

XRT Timeline to be uploaded on 2010/07/03

Period: 2010/07/03 09:32:00 - 2010/07/08 10:27:00

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Normal mode

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XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)

Term	Pointing (x, y)	Comment
07/03 17:47:00 - 07/04 03:09:54	Fixed (0.0, 0.0)	synoptic, shifted -16.0 min
07/04 06:06:30 - 07/04 06:13:24	Fixed (0.0, 0.0)	synoptic, shifted 3.5 min
07/04 18:02:30 - 07/04 18:09:24	Fixed (0.0, 0.0)	synoptic, shifted -0.5 min
07/05 05:32:00 - 07/05 05:38:54	Fixed (0.0, 0.0)	synoptic, shifted -31.0 min
07/05 18:22:00 - 07/05 18:28:54	Fixed (0.0, 0.0)	synoptic, shifted 19.0 min
07/06 06:07:30 - 07/06 06:14:24	Fixed (0.0, 0.0)	synoptic, shifted 4.5 min

PROG= 03 1-time(s)

- └─ **Subr= 1 1-time(s) 12.0sec**
 - └─ **Seqn= 7 1-time(s) 4.0sec**
 - └─ Open/Al-mesh Open/Al-mesh close Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - └─ Open/Al-mesh Open/Al-mesh close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - └─ **Seqn= 5 1-time(s) 2.0sec**
 - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
 - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
 - └─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
 - └─ **Seqn= 8 1-time(s) 4.0sec**
 - └─ Open/Ti-poly Open/Ti-poly close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - └─ Open/Ti-poly Open/Ti-poly close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
 - └─ **Seqn= 4 1-time(s) 2.0sec**
 - └─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #17E1: AR Dynamics- Ti/Poly(384FOV) AEC2_3 Q95, G-band(512FOV) - 3min cadence-wide-FOV

Term	Pointing (x, y)	Comment
07/04 03:13:00 - 07/04 05:18:00	Track (-808.5, 211.5) ^{Ⓢ 07/04 03:10:00}	AR obs. on E limb
07/04 10:16:32 - 07/04 16:57:30	Track (358.8, -403.0) ^{Ⓢ 07/04 10:13:30}	Track AR 11084
07/04 18:12:30 - 07/05 05:28:54	Track (417.6, -401.8) ^{Ⓢ 07/04 18:09:30}	Track AR 11084
07/05 11:33:38 - 07/05 17:35:00	Track (534.2, -398.2) ^{Ⓢ 07/05 11:00:00}	Tracking AR 11084
07/05 18:32:00 - 07/05 23:59:54	Track (581.8, -396.2) ^{Ⓢ 07/05 18:29:00}	Track AR 11084
07/06 06:17:32 - 07/06 09:47:00	Track (650.6, -392.5) ^{Ⓢ 07/06 06:14:30}	Track AR 11084

PROG= 06 Inf.-time(s)

- └─ **Subr= 1 1-time(s) 30.0sec**
 - └─ **Seqn= 27 1-time(s) 30.0sec**
 - └─ Open/G-band Open/G-band open Safe Norm 63ms Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec
- └─ **Subr= 2 15-time(s) 180.0sec**
 - └─ **Seqn= 58 1-time(s) 2.0sec**
 - └─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x384 (1024, 1024) Q=95 3 0 2.0sec
 - └─ **Seqn= 59 1-time(s) 2.0sec**
 - └─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 512x384 (1024, 1024) Q=95 2 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
07/04 06:16:30 - 07/04 08:13:24	Fixed (0.0, 945.0)	Coalignment (2h for N limb)

PROG= 11 1-time(s)

- └─ **Subr= 1 1-time(s) 360.0sec**
 - └─ **Seqn= 21 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 #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT

Term	Pointing (x, y)	Comment
07/04 08:16:30 - 07/04 10:13:24	Fixed (-945.0, 0.0)	Coalignment (2h for E limb)

PROG= 12 1-time(s)

- └─ **Subr= 1 1-time(s) 360.0sec**
 - └─ **Seqn= 22 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

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

XOB #17E0: Coronal cavity Al/mesh, Ti/poly, G-band-DPCM 2x2-512x512-FOV -AEC2-3min cadence-SW offset

Term	Pointing (x, y)	Comment
07/05 05:42:00 - 07/05 10:59:30	Fixed (500.0, -815.0)	HOP114 (prominence cavity, for 5h, -11UT)
07/06 00:03:00 - 07/06 06:04:24	Fixed (500.0, -815.0)	HOP114 prominence cavity

PROG= 04 Inf.-time(s)

- └─ **Subr= 2 1-time(s) 2.0sec**
 - └─ **Seqn= 31 1-time(s) 2.0sec**

Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	512x512 (1152, 1152)	Q=95	0	0	2.0sec
Subr= 1 20-time(s) 180.0sec												
Open/AI-mesh	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	768x768 (1152, 896)	DPCM	2	0	2.0sec
Seqn= 55 1-time(s) 2.0sec												
Open/Ti-poly	Open/thick-AI	close	Safe	Norm	4.00s	Obs	2x2	768x768 (1152, 896)	DPCM	2	0	2.0sec
Seqn= 56 1-time(s) 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 #1776: Flare Response short exp at first- Dynamics - Thick-AI - Thick-Be - AEC 1 - 384x384 - Q95												
Term	Pointing (x, y)		Comment									
07/04 03:13:00 - 07/04 05:18:00	Track (-808.5, 211.5)	[Ⓜ] 07/04 03:10:00	AR obs. on E limb									
07/04 10:16:32 - 07/04 16:57:30	Track (358.8, -403.0)	[Ⓜ] 07/04 10:13:30	Track AR 11084									
07/04 18:12:30 - 07/05 05:28:54	Track (417.6, -401.8)	[Ⓜ] 07/04 18:09:30	Track AR 11084									
07/05 05:42:00 - 07/05 10:59:30	Fixed (500.0, -815.0)		HOP114 (prominence cavity, for 5h, -11UT)									
07/05 11:33:38 - 07/05 17:35:00	Track (534.2, -398.2)	[Ⓜ] 07/05 11:00:00	Tracking AR 11084									
07/05 18:32:00 - 07/05 23:59:54	Track (581.8, -396.2)	[Ⓜ] 07/05 18:29:00	Track AR 11084									
07/06 00:03:00 - 07/06 06:04:24	Fixed (500.0, -815.0)		HOP114 prominence cavity									
07/06 06:17:32 - 07/06 09:47:00	Track (650.6, -392.5)	[Ⓜ] 07/06 06:14:30	Track AR 11084									
PROG= 01 1-time(s)												
Subr= 1 2-time(s) 2.0sec												
Seqn= 9 15-time(s) 20.0sec												
Open/thick-AI	Open/thick-AI	close	Safe	Norm	250ms	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= 2 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= 9 15-time(s) 60.0sec												
Open/thick-AI	Open/thick-AI	close	Safe	Norm	250ms	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= 2 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= 9 1-time(s) 600.0sec												
Open/thick-AI	Open/thick-AI	close	Safe	Norm	250ms	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= 2 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

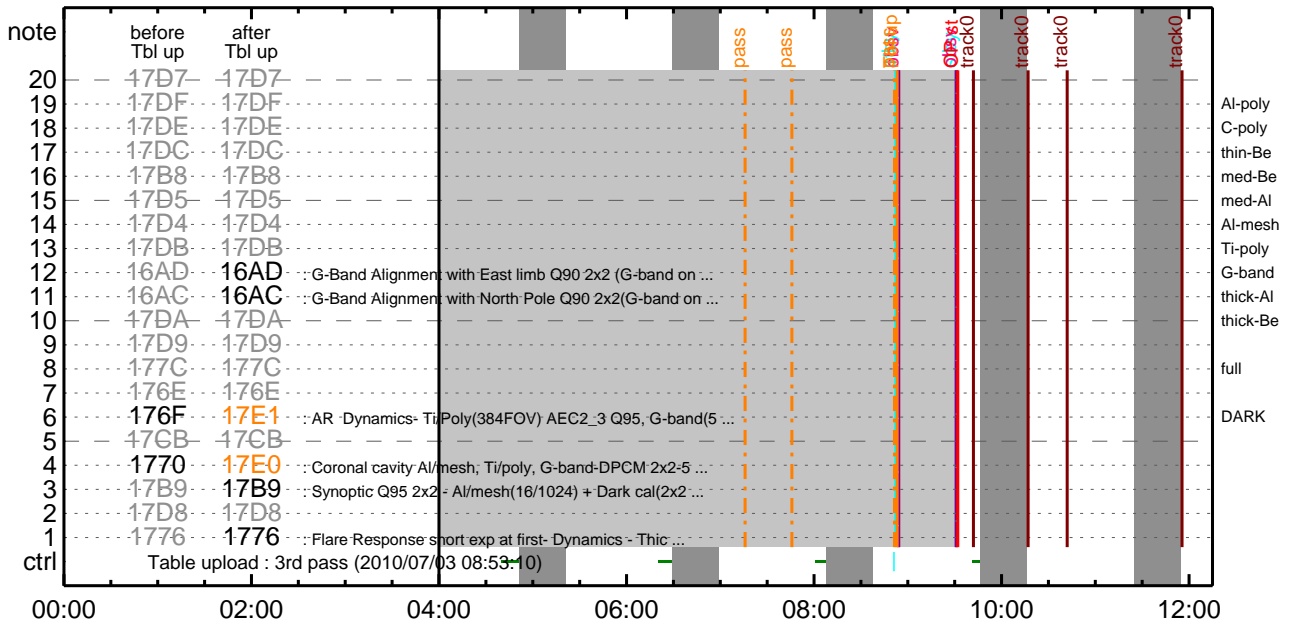
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Flare Detection

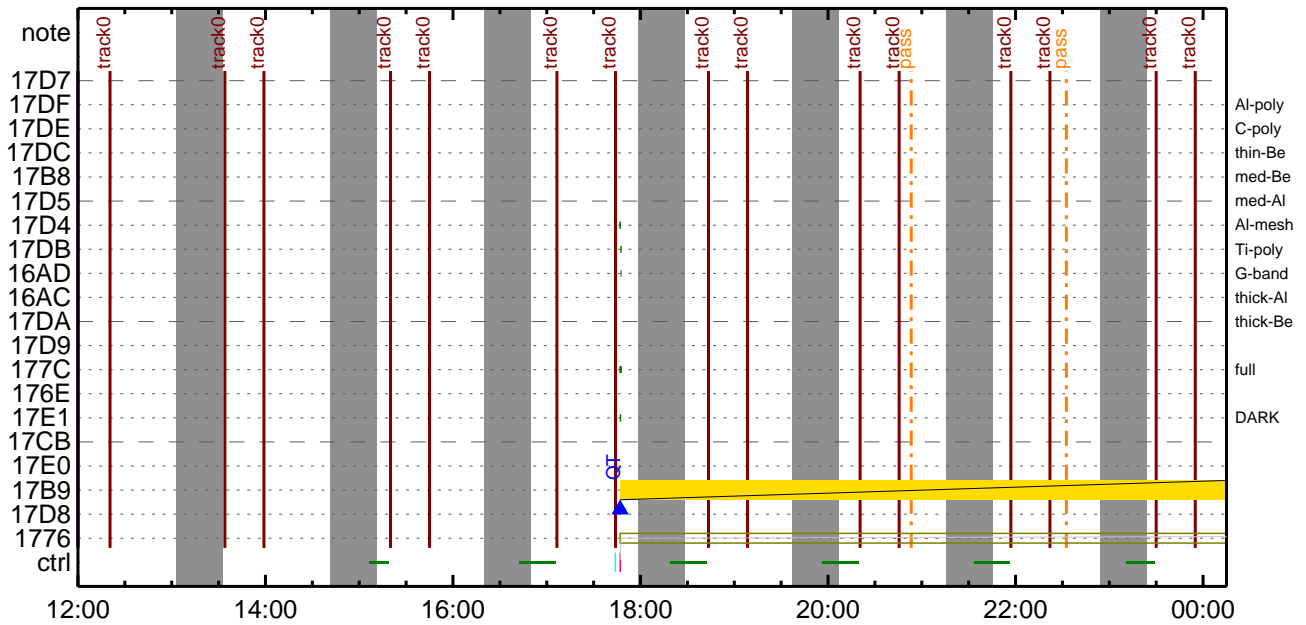
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FLD Patrol												
Term	Pointing (x, y)		Comment									
07/04 03:10:18 - 07/04 06:03:46	Track (-808.5, 211.5)	[Ⓜ] 07/04 03:10:00	AR obs. on E limb									
07/04 10:13:48 - 07/04 17:59:46	Track (358.8, -403.0)	[Ⓜ] 07/04 10:13:30	Track AR 11084									
07/04 18:09:46 - 07/05 05:29:16	Track (417.6, -401.8)	[Ⓜ] 07/04 18:09:30	Track AR 11084									
07/05 05:39:18 - 07/05 18:19:16	Fixed (500.0, -815.0)		HOP114 (prominence cavity, for 5h, -11UT)									
07/05 18:29:16 - 07/06 06:04:46	Track (581.8, -396.2)	[Ⓜ] 07/05 18:29:00	Track AR 11084									
07/06 06:14:48 - 07/08 10:27:00	Track (650.6, -392.5)	[Ⓜ] 07/06 06:14:30	Track AR 11084									
Open/Ti-poly	Open/thick-AI	close	Safe	Norm	8ms	Obs	8x8		Q=50			30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

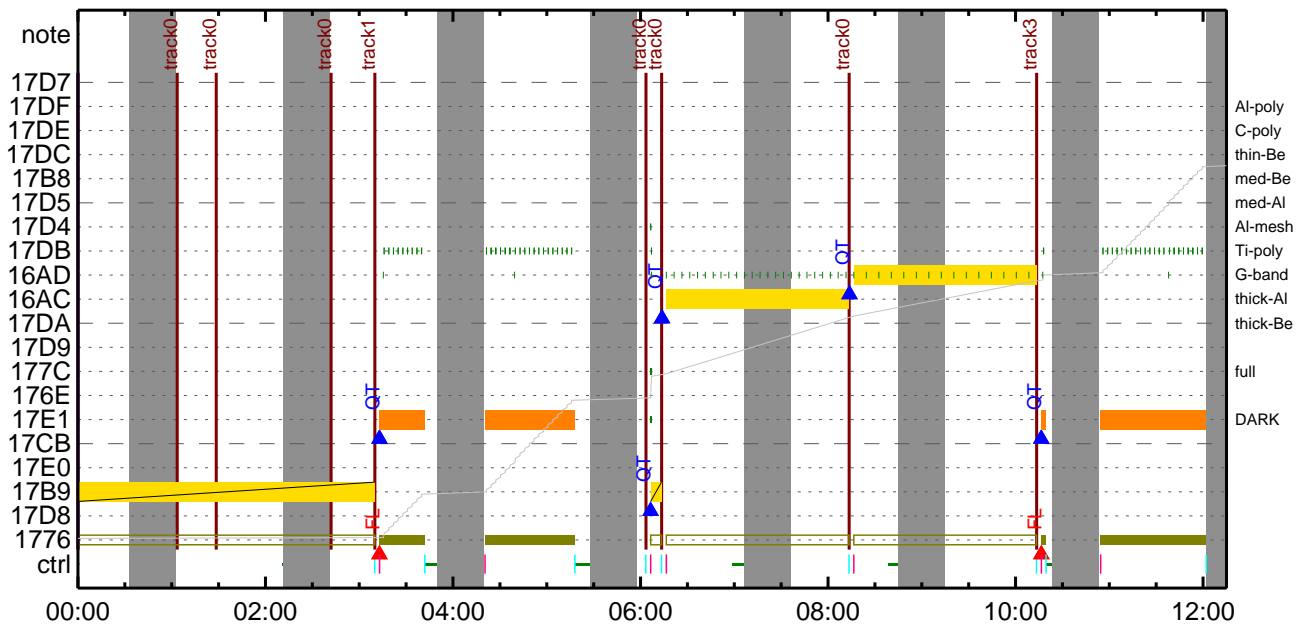
CMDI #0352 2010/07/03



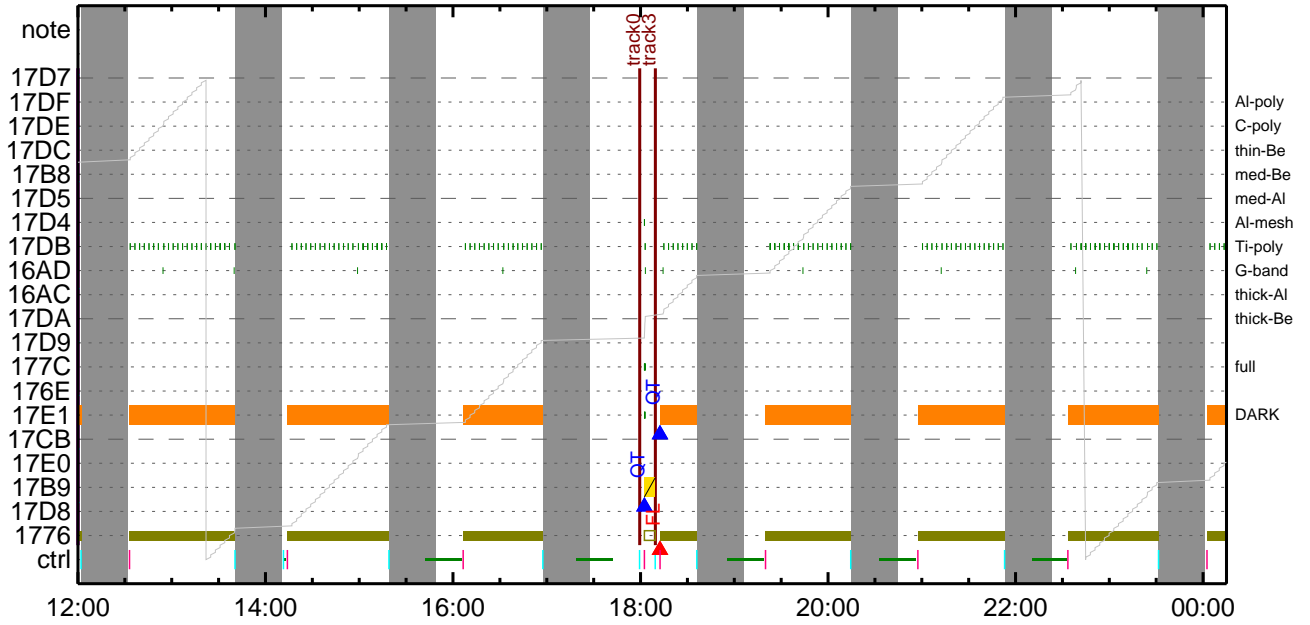
CMDI #0352 2010/07/03



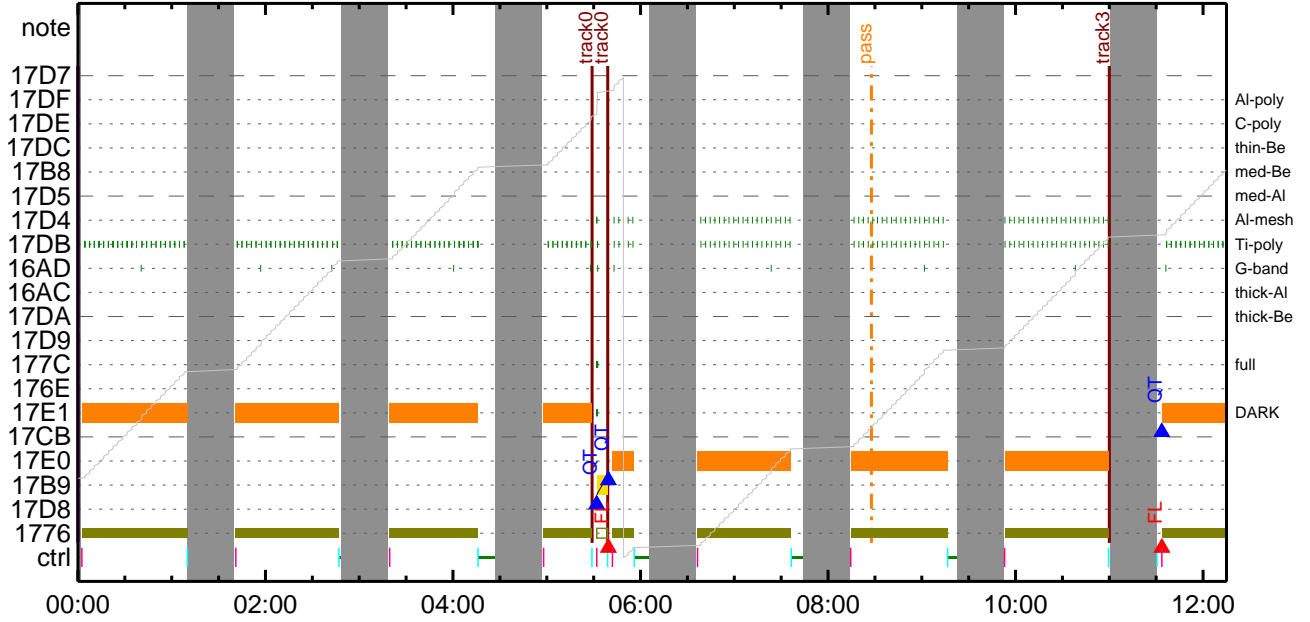
CMDI #0352 2010/07/04



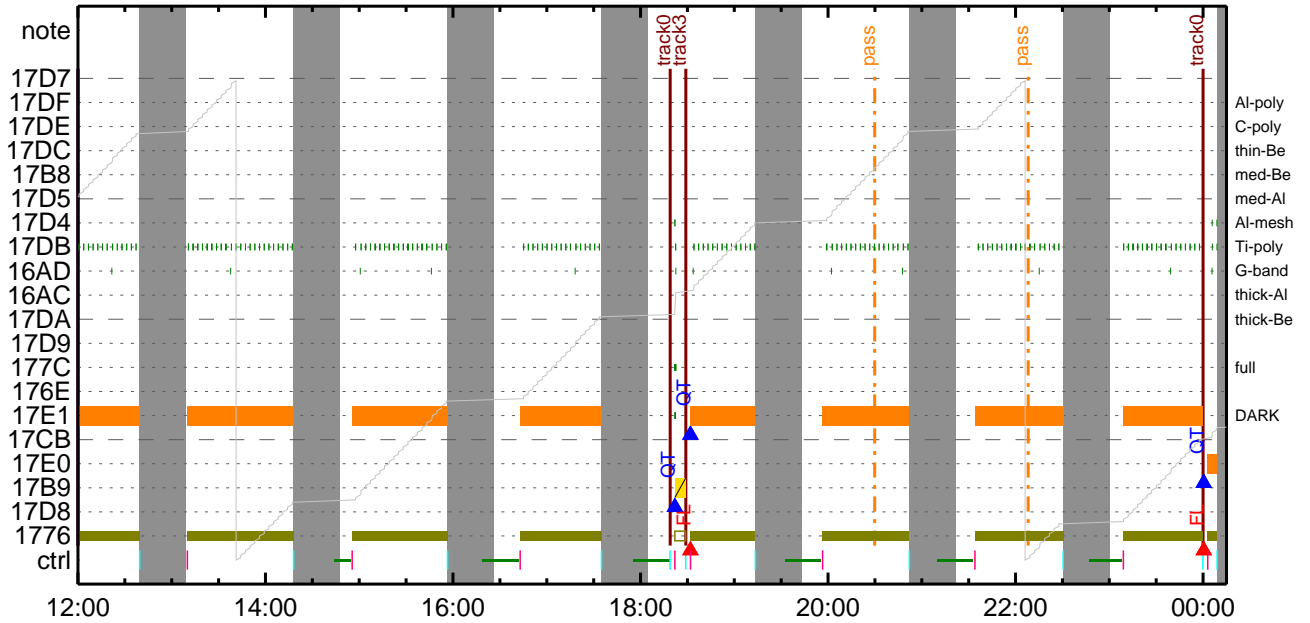
CMDI #0352 2010/07/04



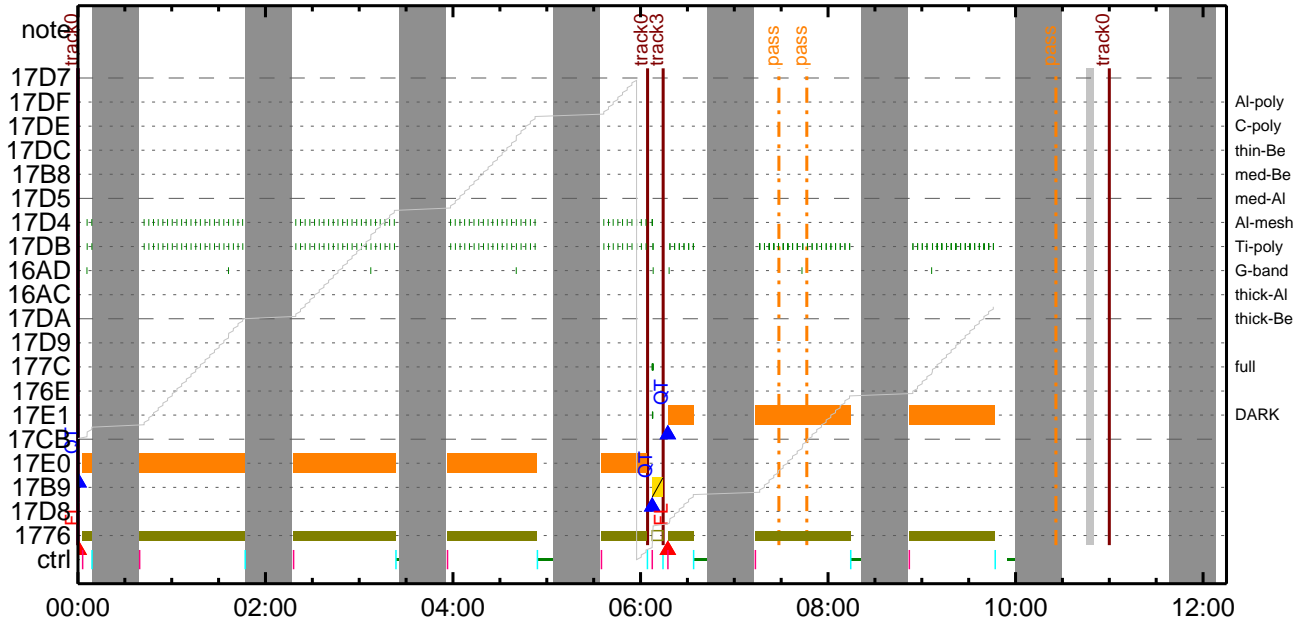
CMDI #0352 2010/07/05



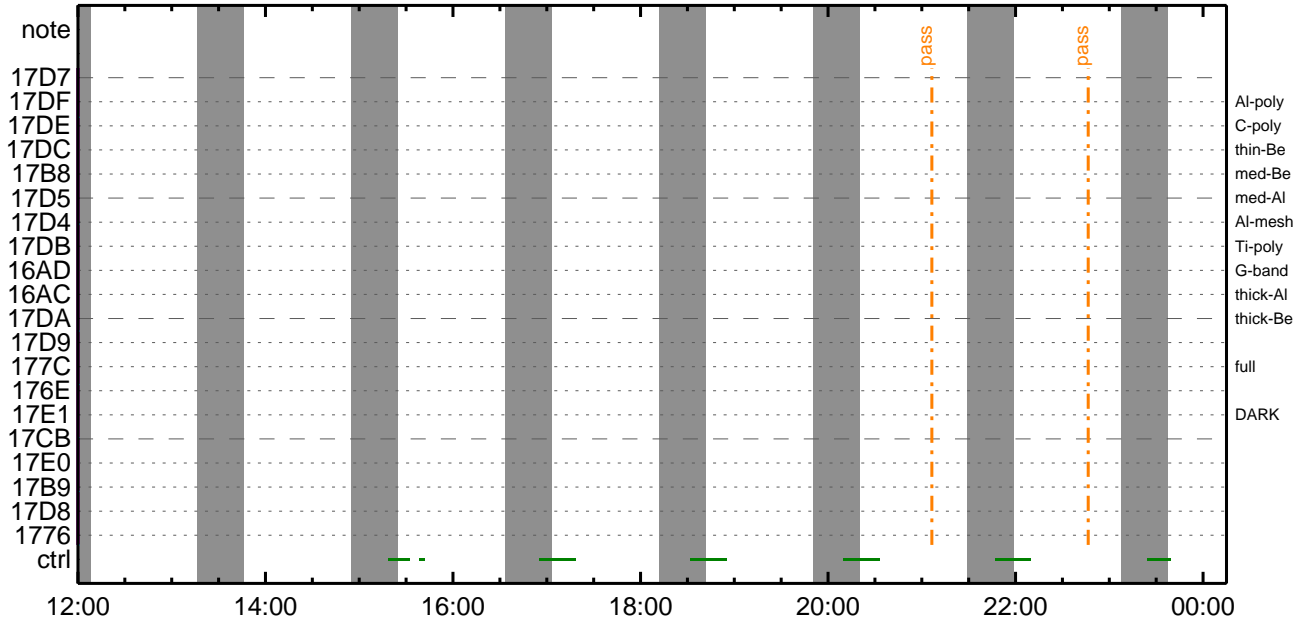
CMDI #0352 2010/07/05



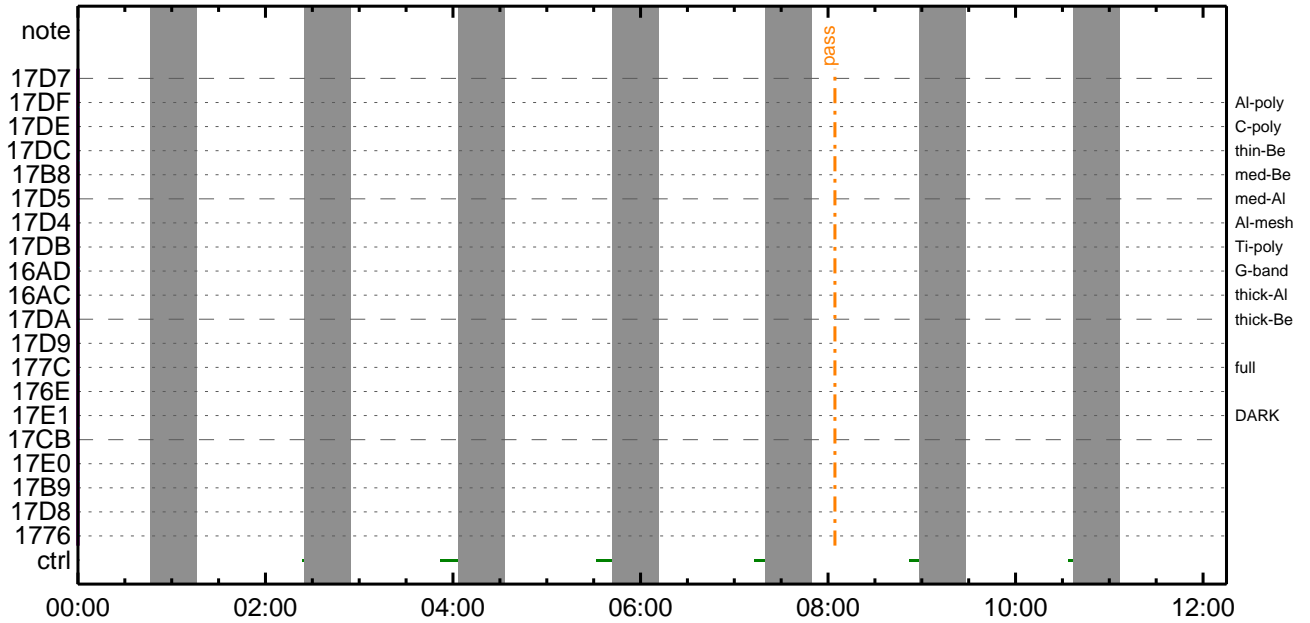
CMDI #0352 2010/07/06



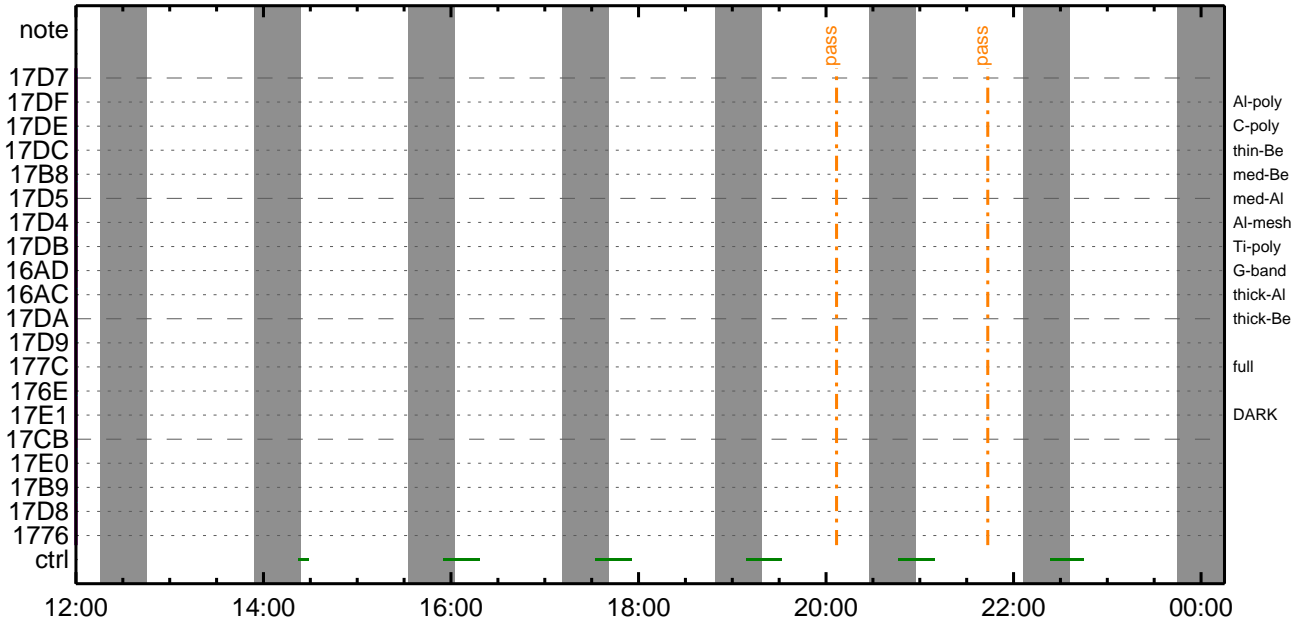
CMDI #0352 2010/07/06



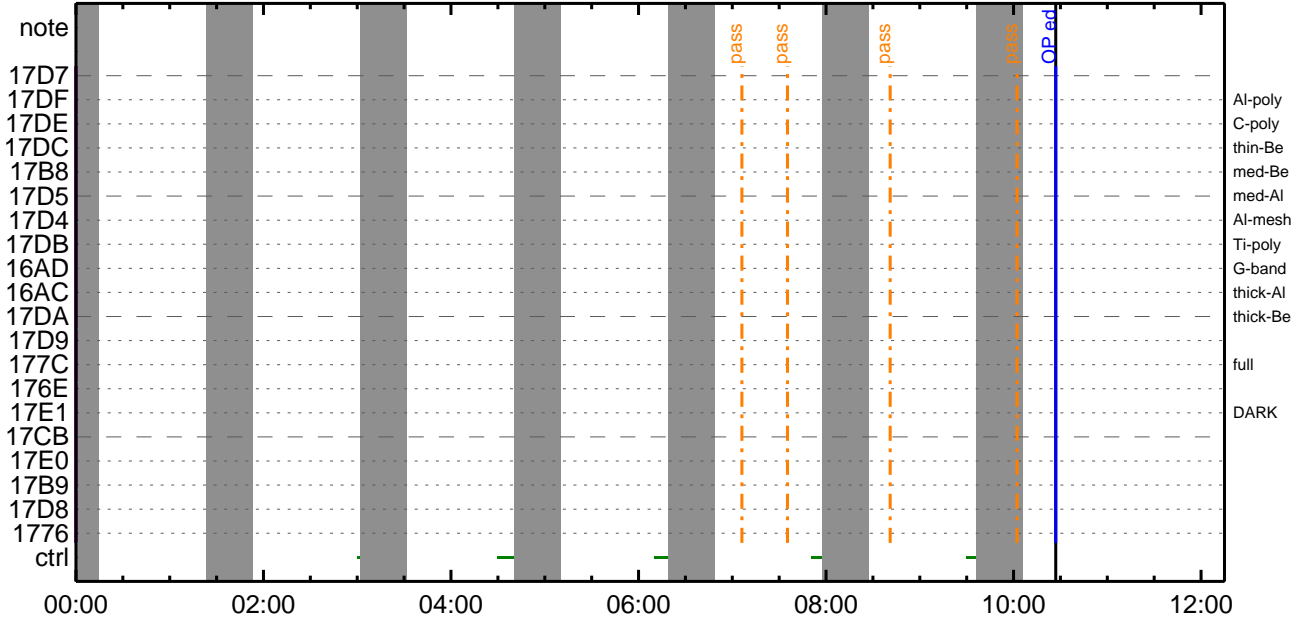
CMDI #0352 2010/07/07



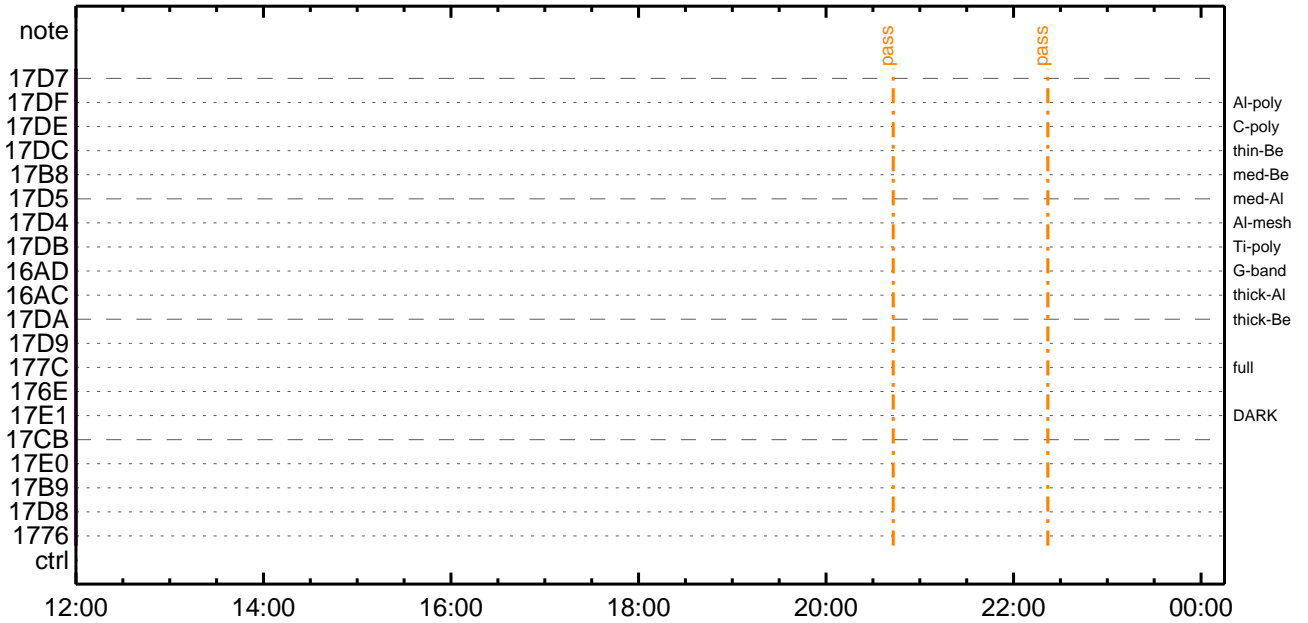
CMDI #0352 2010/07/07



CMDI #0352 2010/07/08



CMDI #0352 2010/07/08




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ã
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-446:OP
0104 ( )
0105 S. OG og-446:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°èYAYôYx;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. YAYôYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YAYôYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç•è²îOK²³îÇ§
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. YAYôYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç•è²îOK²³îÇ§
0165 C.
0166 C. ***** °E²¼²î¼E¹ç•è²îOK²³îÇ§ *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòîã¹
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÷ç@NG²î¼E¹ç•è²¼²îTI-CMDÁ÷ç²î¼E¹Ô²•²E²³²E;f
0180 C. ²³²ç;çSET²E²DUMP²î¼E¹ç•è²¼²î¼E¹Ô²³²E;f
0181 C.
0182 C. TIY³Y½YôYE²òðÁDîç(UT)
0183 +. TI 2010-07-03 09:27:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-07-03 09:27:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-07-03 09:27:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2010-07-03 09:31:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄê%îíñαîî¥Á¥§¥Á¥-¹àîü
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°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.          çç[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]      EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]        EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]        EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]        EQ      EXEC
0224 C.
0225 C. ¥Á¥Ö¥×½ªî»αò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîî¾È¹ç•è²îOKαò³îç§
0229 C.
0230 C. DHU¥â;¼¥É;È¼¥¼. ¥î;¼¥È;Èαòîáα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]        EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2010-07-03 09:31:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2010-07-03 09:31:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2010-07-03 09:31:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2010-07-03 09:31:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 C. ***** MDP `úÃîαî»ö¼ÝαÈÄα¹αèDCBC•x²è *****
0276 C. (¼á°îî¥Á¥È¥¥¥¥¥á¥ç¥èè%¼αα¼Á»Ûα¹αè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ¥Ð¥¹•î Daily±çîñαè'Øα¹αèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOS¥Á¥§¥Á¥-¼Á»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-447 2010-07-03 13:33:49 82 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YFÝÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µÄµ°È»Í×ÁÇµÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈÈ%°ÇÖµ•µ¿¼í¹¿µÍ;çÀ®, ù¹µèµµµÇÁ+¿®µ•µÈµµµ³µÈ;f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCS_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS_DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCS_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_MANU
0047 BC (21 02)
0048 . C. Verify EIS in MANUAL mode
0049 . C. Estimated OBSTBL upload time is 0ms
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-823:EIS_OBSTBL
0054 ( )
0055 +. DC 07-FC EIS_DUMP_OBSTBL
0056 BC (07 07 07 00 00 70 00)
0057 C.
0058 C. Execute, after the success of OBSTBL upload.
0059 C. Set EIS TI-commands
0060 +. TI 2010-07-03 09:31:50.0
0061 DC 07-FC EIS_MODE_CHG_ENA
0062 BC (20)
0063 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0064 C. *****
0065 C. EIS END OBSTBL LOAD
0066 C. *****
0067 C.
0068 . C. ***** MDP `ûÁÍôÍ»ó%YµÈÄµ¹µèDCBC•x²è *****
0069 C. (¼á°íYÓYÁYÈYþYÉYáYçYèµÈ%¼µ¼Ä»Û¹µè)
0070 . S. DC-BC dcbc-402:DCBC
0071 (MDP_known_event)
0072 C.
0073 C.
0074 . C. ***** YDÝ¹.İ Daily±¿ÍÑµÈ`Ø¹µèDCBC•x²è *****
0075 . S. DC-BC dcbc-153:DCBC
0076 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0077 C.
0078 C.
0079 . C. ;ãLOSÁY$YÁY-¼Ä»Û;ä
0080 C.
0081 . C. ***** LOS *****
0082 C.
```



```

0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 . C. -----
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-266:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 C. *****
0120 C. SOT TI command set
0121 C. *****
0122 C. Execute, after the success of TBL upload.
0123 +. TI 2010-07-03 09:31:18.0
0124 DC 07-F0 MDP_SOT_MODE_OBSV
0125 BC (40)
0126 . C. -----
0127 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0128 C. -----
0129 C.
0130 C.
0131 C. ***** XRT START *****
0132 C.
0133 +. DC 07-F0 MDP_XRT_CTRL_MANU
0134 BC (c1)
0135 + DC 07-F0 MDP_XRT_MODE_STBY
0136 BC (c3)
0137 . C. ----- Success Verify ? OK / NG ____
0138 C.
0139 C. XRT Obs. Table Upload
0140 . S. RAM ram-291:MDP_OBS_X
0141 ( )
0142 C.
0143 +. DC 07-F0 MDP_DUMP_XRTTBL
0144 BC (84 07 00 00 00 3a d4)
0145 . C. ----- Comparison Check ? OK / ERR ____
0146 C.
0147 C.
0148 +. DC 07-F0 MDP_XRT_ROI_SET
0149 BC (cd 01 b1 b1 04 04)
0150 + DC 07-F0 MDP_XRT_ROI_SET
0151 BC (cd 02 b1 b1 08 08)
0152 + DC 07-F0 MDP_XRT_ROI_SET
0153 BC (cd 03 b1 b1 08 08)
0154 + DC 07-F0 MDP_XRT_ROI_SET
0155 BC (cd 04 b1 b1 06 06)
0156 + DC 07-F0 MDP_XRT_ROI_SET
0157 BC (cd 06 80 80 20 20)
0158 + DC 07-F0 MDP_XRT_ROI_SET
0159 BC (cd 07 80 80 20 08)
0160 + DC 07-F0 MDP_XRT_ROI_SET
0161 BC (cd 08 80 80 08 20)
0162 + DC 07-F0 MDP_XRT_ROI_SET
0163 BC (cd 09 85 83 08 08)
0164 + DC 07-F0 MDP_XRT_ROI_SET
0165 BC (cd 0a 80 80 08 06)
0166 + DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 0b 80 60 20 18)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 0c a0 80 18 20)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 0d 90 70 0c 0c)
0172 + DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 0e 90 90 08 08)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 0f 80 80 06 06)
0176 + DC 07-F0 MDP_XRT_AEC_RESET
0177 BC (d0)
0178 . C. ----- Success Verify ? OK / NG ____
0179 C.
0180 C.
0181 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0182 C.
0183 +. DC 07-F0 MDP_XRT_MODE_OBSV
0184 BC (c2)
0185 +. TI 2010-07-03 09:31:02.0
0186 DC 07-F0 MDP_XRT_MODE_OBSV
0187 BC (c2)
0188 . C. ----- Success Verify ? OK / NG ____
0189 C.
0190 C. ***** XRT END *****
0191 C.
0192 . C. ***** MDP 'uAfiuI»0%Y»EA»a»1»eDCBC»x²è *****
0193 C. (%â°iYÓYAYEYBYEYAYçYè»E%¼»a»%A»Û»1»è)

```

```
0194 . S. DC-BC dcbc-402:DCBC
0195 (MDP_known_event)
0196 C.
0197 C.
0198 . C. ***** ¥D¥1•İ Daily±;İÑñĒ'Øα¹αēDCBC•x²è *****
0199 . S. DC-BC dcbc-153:DCBC
0200 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0201 C.
0202 C.
0203 . C. ;ăLOSŸĂŸSŸĂŸ~¼Ă»Û;ă
0204 C.
0205 . C. ***** LOS *****
0206 C.
```

*** OP Sequence for XRT ***

```

2010/07/03 09:42:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCu_NM                    5 02-76 00 00 00 00 00
2010/07/03 10:17:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCu_NM                    5 02-76 00 54 00 00 72
2010/07/03 10:42:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCu_NM                    5 02-76 00 4e 0c 00 72
2010/07/03 11:55:30.0 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCu_NM                    5 02-76 00 45 26 00 72
2010/07/03 12:20:30.0 AOCs_OrE-point_Start_5_OG [0x09b]
                        AOCu_NM                    5 02-76 00 3c 41 00 72
2010/07/03 13:34:00.0 AOCs_OrE-point_Start_6_OG [0x09c]
                        AOCu_NM                    5 02-76 00 33 64 00 72
2010/07/03 13:59:00.5 AOCs_OrE-point_Start_7_OG [0x09d]
                        AOCu_NM                    5 02-76 00 2a 7e 00 72
2010/07/03 15:20:00.0 AOCs_OrE-point_Start_8_OG [0x09e]
                        AOCu_NM                    5 02-76 00 21 99 00 72
2010/07/03 15:45:00.0 AOCs_OrE-point_Start_9_OG [0x09f]
                        AOCu_NM                    5 02-76 00 18 b4 00 72
2010/07/03 17:06:30.0 AOCs_OrE-point_Start_10_OG [0x0a0]
                        AOCu_NM                    5 02-76 00 0f ce 00 72
2010/07/03 17:43:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2010/07/03 17:43:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION          4 07-F8 22 ff aa 00
2010/07/03 17:44:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCu_NM                    5 02-76 00 00 00 00 00
2010/07/03 17:44:16.0 XRT_FLD_DIS_402_OG [0x192]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2010/07/03 17:44:18.0 XRT_FLRCTRL_DIS_403_OG [0x193]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2010/07/03 17:44:20.0 XRT_ARS_DIS_404_OG [0x194]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2010/07/03 17:46:58.0 XRT_QT_PROG_SET_407_OG [0x197]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 03
2010/07/03 17:47:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2010/07/03 18:43:30.0 AOCs_OrE-point_Start_11_OG [0x0a1]
                        AOCu_NM                    5 02-76 00 06 f1 00 72
2010/07/03 19:08:30.0 AOCs_OrE-point_Start_12_OG [0x0a2]
                        AOCu_NM                    5 02-76 00 fe f2 00 72
2010/07/03 20:20:30.0 AOCs_OrE-point_Start_13_OG [0x0a3]
                        AOCu_NM                    5 02-76 00 f6 0d 00 72
2010/07/03 20:45:30.0 AOCs_OrE-point_Start_14_OG [0x0a4]
                        AOCu_NM                    5 02-76 00 ed 27 00 72
2010/07/03 21:57:00.0 AOCs_OrE-point_Start_15_OG [0x0a5]
                        AOCu_NM                    5 02-76 00 e4 42 00 72
2010/07/03 22:22:00.0 AOCs_OrE-point_Start_16_OG [0x0a6]
                        AOCu_NM                    5 02-76 00 db 65 00 72
2010/07/03 23:30:00.0 AOCs_OrE-point_Start_17_OG [0x0a7]
                        AOCu_NM                    5 02-76 00 d2 7f 00 72
2010/07/03 23:55:00.0 AOCs_OrE-point_Start_18_OG [0x0a8]
                        AOCu_NM                    5 02-76 00 c9 9a 00 72
2010/07/04 01:03:30.0 AOCs_OrE-point_Start_19_OG [0x0a9]
                        AOCu_NM                    5 02-76 00 c0 b5 00 72
2010/07/04 01:28:30.0 AOCs_OrE-point_Start_20_OG [0x0aa]
                        AOCu_NM                    5 02-76 00 b7 cf 00 72
2010/07/04 02:42:00.0 AOCs_OrE-point_Start_21_OG [0x0ab]
                        AOCu_NM                    5 02-76 00 ae f2 00 72
2010/07/04 03:09:54.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2010/07/04 03:09:56.0 XRT_FOCUS_POSITION_409_OG [0x199]
                        XRT_FOCUS_POSITION          4 07-F8 22 fe 97 00
2010/07/04 03:10:00.0 AOCs_OrE-point_Start_22_OG [0x0ac]
                        AOCu_NM                    5 02-76 01 00 00 00 00
2010/07/04 03:10:16.0 XRT_AEC_RESET_410_OG [0x19a]
                        MDP_XRT_AEC_RESET          1 07-F0 d0
2010/07/04 03:10:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA            1 07-F0 d8
2010/07/04 03:10:20.0 XRT_FLD_RESET_412_OG [0x19c]
                        MDP_XRT_FLD_RESET          1 07-F0 da
2010/07/04 03:10:22.0 XRT_FLRCTRL_ENA_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_ENA        1 07-F0 c8
2010/07/04 03:10:24.0 XRT_ARS_DIS_431_OG [0x1af]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2010/07/04 03:12:56.0 XRT_QT_PROG_SET_426_OG [0x1aa]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 06
2010/07/04 03:12:58.0 XRT_FL_PROG_SET_416_OG [0x1a0]
                        MDP_XRT_FL_PROG_SET        2 07-F0 c5 01
2010/07/04 03:13:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2010/07/04 03:42:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2010/07/04 04:19:30.0 XRT_Custom_418_OG [0x1a2]
2010/07/04 04:20:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2010/07/04 05:18:00.0 XRT_CTRL_MANU_408_OG [0x198]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2010/07/04 06:03:24.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU          1 07-F0 c1
2010/07/04 06:03:26.0 XRT_FOCUS_POSITION_401_OG [0x191]
                        XRT_FOCUS_POSITION          4 07-F8 22 ff aa 00

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XRT_OGLIST_0352.chk

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2010/07/04	06:03:30.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5	02-76	00	00	00	00	00
2010/07/04	06:03:46.0	XRT_FLD_DIS_402_OG [0x192] MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/04	06:03:48.0	XRT_FLRCTRL_DIS_403_OG [0x193] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/04	06:03:50.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/04	06:06:28.0	XRT_QT_PROG_SET_407_OG [0x197] MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/07/04	06:06:30.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	06:13:24.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	06:13:26.0	XRT_FOCUS_POSITION_429_OG [0x1ad] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/07/04	06:13:30.0	AOCS_ORe-point_Start_23_OG [0x0ad] AOCU_NM	5	02-76	00	ac	00	00	00
2010/07/04	06:13:46.0	XRT_QT_PROG_SET_415_OG [0x19f] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2010/07/04	06:13:48.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/04	06:16:26.0	XRT_FLD_DIS_427_OG [0x1ab] MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/04	06:16:28.0	XRT_FLRCTRL_DIS_428_OG [0x1ac] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/04	06:16:30.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	08:13:24.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	08:13:26.0	XRT_FOCUS_POSITION_429_OG [0x1ad] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/07/04	08:13:30.0	AOCS_ORe-point_Start_24_OG [0x0ae] AOCU_NM	5	02-76	00	00	00	54	00
2010/07/04	08:13:46.0	XRT_QT_PROG_SET_405_OG [0x195] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c			
2010/07/04	08:13:48.0	XRT_ARS_DIS_404_OG [0x194] MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/04	08:16:26.0	XRT_FLD_DIS_427_OG [0x1ab] MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/04	08:16:28.0	XRT_FLRCTRL_DIS_428_OG [0x1ac] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/04	08:16:30.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	10:13:24.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	10:13:26.0	XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/07/04	10:13:30.0	AOCS_ORe-point_Start_25_OG [0x0af] AOCU_NM	5	02-76	03	00	00	00	00
2010/07/04	10:13:46.0	XRT_AEC_RESET_410_OG [0x19a] MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/07/04	10:13:48.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/07/04	10:13:50.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da				
2010/07/04	10:13:52.0	XRT_FLRCTRL_ENA_413_OG [0x19d] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/07/04	10:13:54.0	XRT_ARS_DIS_420_OG [0x1a4] MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/04	10:16:28.0	XRT_QT_PROG_SET_426_OG [0x1aa] MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2010/07/04	10:16:30.0	XRT_FL_PROG_SET_416_OG [0x1a0] MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/07/04	10:16:32.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	10:19:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	10:53:30.0	XRT_Custom_418_OG [0x1a2] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	10:54:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	12:02:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	12:32:00.0	XRT_Custom_418_OG [0x1a2] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	12:33:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	13:40:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	14:11:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	14:13:00.0	XRT_Custom_418_OG [0x1a2] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	14:14:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	15:19:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	16:05:30.0	XRT_Custom_418_OG [0x1a2] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	16:06:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/04	16:57:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	17:59:24.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/04	17:59:26.0	XRT_FOCUS_POSITION_401_OG [0x191] MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2010/07/04	17:59:30.0	AOCS_ORe-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	00	00	00
2010/07/04	17:59:46.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/07/04	17:59:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/07/04	17:59:50.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/07/04	18:02:28.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2010/07/04	18:02:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/04	18:09:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/04	18:09:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/07/04	18:09:30.0	AOCS_ORe-point_Start_25_OG [0x0af]	AOCU_NM	5	02-76	03	00	00	00
2010/07/04	18:09:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2010/07/04	18:09:48.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2010/07/04	18:09:50.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2010/07/04	18:09:52.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/07/04	18:12:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2010/07/04	18:12:28.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01		
2010/07/04	18:12:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/04	18:36:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/04	19:19:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/04	19:20:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/04	20:14:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/04	20:56:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/04	20:57:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/04	21:53:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/04	22:32:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/04	22:33:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/04	23:31:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	00:01:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/05	00:02:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/05	01:10:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	01:40:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/05	01:41:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/05	02:47:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	03:18:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/05	03:19:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/05	04:16:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	04:57:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/05	04:58:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/05	05:28:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	05:28:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2010/07/05	05:29:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	00	00	00
2010/07/05	05:29:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2010/07/05	05:29:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2010/07/05	05:29:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2010/07/05	05:31:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2010/07/05	05:32:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2010/07/05	05:38:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2010/07/05	05:38:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2010/07/05	05:39:00.0	AOCS_ORe-point_Start_26_OG [0x0b0]	AOCU_NM	5	02-76	00	48	72	d3
2010/07/05	05:39:16.0	XRT_AEC_RESET_410_OG [0x19a]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2010/07/05	05:39:18.0	XRT_FLD_ENA_411_OG [0x19b]							

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2010/07/05	05:39:20.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2010/07/05	05:39:22.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/07/05	05:39:24.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/05	05:39:26.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	04			
2010/07/05	05:39:28.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/07/05	05:42:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	05:56:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	06:35:30.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	06:36:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	07:36:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	08:13:30.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	08:14:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	09:16:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	09:52:00.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	09:53:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	10:59:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	11:00:00.0	AOCS_ORe-point_Start_25_OG [0x0af]	AOCU_NM	5	02-76	03	00	00	00	00
2010/07/05	11:30:30.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	11:30:32.5	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/07/05	11:30:52.5	XRT_AEC_RESET_410_OG [0x19a]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2010/07/05	11:30:54.5	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/07/05	11:30:56.5	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da				
2010/07/05	11:30:58.5	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/07/05	11:31:00.5	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/05	11:33:34.5	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2010/07/05	11:33:36.5	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01			
2010/07/05	11:33:38.5	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	12:39:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	13:09:00.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	13:10:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	14:18:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	14:54:30.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	14:55:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	15:56:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	16:42:00.0	XRT_Custom_418_OG [0x1a2]								
2010/07/05	16:43:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	17:35:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	18:18:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	18:18:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2010/07/05	18:19:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	00	00	00	00
2010/07/05	18:19:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/07/05	18:19:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/07/05	18:19:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/05	18:21:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2010/07/05	18:22:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/05	18:28:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/05	18:28:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2010/07/05	18:29:00.0	AOCS_ORe-point_Start_25_OG [0x0af]	AOCU_NM	5	02-76	03	00	00	00	00
2010/07/05	18:29:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				

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2010/07/05	18:29:18.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/07/05	18:29:20.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/07/05	18:29:22.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/07/05	18:31:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06	
2010/07/05	18:31:58.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01	
2010/07/05	18:32:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/05	19:13:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/05	19:55:30.0	XRT_Custom_418_OG [0x1a2]						
2010/07/05	19:56:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/05	20:52:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/05	21:33:00.0	XRT_Custom_418_OG [0x1a2]						
2010/07/05	21:34:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/05	22:30:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/05	23:08:00.0	XRT_Custom_418_OG [0x1a2]						
2010/07/05	23:09:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/05	23:59:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/05	23:59:56.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2010/07/06	00:00:00.0	AOCS_ORe-point_Start_26_OG [0x0b0]	AOCU_NM	5	02-76	00	48 72 d3 8e	
2010/07/06	00:00:16.0	XRT_AEC_RESET_410_OG [0x19a]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2010/07/06	00:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2010/07/06	00:00:20.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2010/07/06	00:00:22.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2010/07/06	00:00:24.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/07/06	00:00:26.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	04	
2010/07/06	00:00:28.0	XRT_FL_PROG_SET_416_OG [0x1a0]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	01	
2010/07/06	00:03:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	00:09:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	00:38:30.0	XRT_Custom_418_OG [0x1a2]						
2010/07/06	00:39:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	01:47:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	02:17:00.0	XRT_Custom_418_OG [0x1a2]						
2010/07/06	02:18:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	03:23:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	03:55:30.0	XRT_Custom_418_OG [0x1a2]						
2010/07/06	03:56:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	04:54:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	05:34:00.0	XRT_Custom_418_OG [0x1a2]						
2010/07/06	05:35:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	06:04:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	06:04:26.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2010/07/06	06:04:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00	00 00 00 00	
2010/07/06	06:04:46.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2010/07/06	06:04:48.0	XRT_FLRCTRL_DIS_403_OG [0x193]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2010/07/06	06:04:50.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2010/07/06	06:07:28.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03	
2010/07/06	06:07:30.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2010/07/06	06:14:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2010/07/06	06:14:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2010/07/06	06:14:30.0	AOCS_ORe-point_Start_25_OG [0x0af]	AOCU_NM	5	02-76	03	00 00 00 00	
2010/07/06	06:14:46.0	XRT_AEC_RESET_410_OG [0x19a]	MDP_XRT_AEC_RESET	1	07-F0	d0		

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2010/07/06	06:14:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2010/07/06	06:14:50.0	XRT_FLD_RESET_412_OG [0x19c]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2010/07/06	06:14:52.0	XRT_FLRCTRL_ENA_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2010/07/06	06:14:54.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/07/06	06:17:28.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2010/07/06	06:17:30.0	XRT_FL_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 01				
2010/07/06	06:17:32.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/06	06:34:00.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/06	07:12:30.0	XRT_Custom_418_OG [0x1a2]							
2010/07/06	07:13:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/06	08:14:30.0	XRT_CTRL_MANU_408_OG [0x198]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/06	08:51:00.0	XRT_Custom_418_OG [0x1a2]							
2010/07/06	08:52:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/07/06	09:47:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/07/06	11:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 00 00 00 00				