

# XRT Timeline to be uploaded on 2009/12/30

Period: 2009/12/30 11:48:00 - 2010/01/06 10:57:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

XOB #1753: AR - Ti/Poly(384FOV), Al-mesh, Ti-poly AEC1_3, Thick-Al fixed 32, G-band(512FOV) - AEC1_3 - 1.5 min cadence												
Term	Pointing (x, y)	Comment										
12/30 12:05:02 - 12/30 17:43:24	Track ( 26.4, -414.3) @ 12/30 11:58:00	# OP start + 10min: Track AR11039										
12/30 17:56:30 - 12/31 05:59:54	Track ( 74.1, -413.9) @ 12/30 17:53:30	# Ttrack AR11039										
12/31 06:13:00 - 12/31 18:01:24	Track ( 172.0, -413.7) @ 12/31 06:10:00	# Track AR11039										
12/31 18:14:30 - 01/01 06:20:24	Track ( 265.7, -414.0) @ 12/31 18:11:30	# Track AR11039										
01/01 06:33:30 - 01/01 17:43:30	Track ( 358.2, -415.0) @ 01/01 06:30:30	# Track AR11039										
01/01 18:20:00 - 01/02 05:53:54	Track ( 442.2, -416.4) @ 01/01 18:17:00	# Track AR11039										
<b>PROG= 17 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 30.0sec												
└─ Seqn= 41 1-time(s) 30.0sec												
└─ Open/G-band	Open/G-band open	Safe	Norm	63ms	Obs	1x1	512x512 (1024, 1024)	Q=98	0	0	2.0sec	
└─ Seqn= 66 1-time(s) 40.0sec												
└─ Open/Al-mesh	Open/Ti-poly close	Safe	Norm	125ms	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec	
└─ Open/Ti-poly	Open/thick-Al close	Safe	Norm	250ms	Obs	1x1	512x512 (1024, 1024)	Q=95	1	0	2.0sec	
└─ Open/thick-Al	Open/thick-Al close	Safe	Norm	32.0s	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec	
└─ Subr= 2 20-time(s) 2.0sec												
└─ Seqn= 1 1-time(s) 90.0sec												
└─ Open/Ti-poly	Open/thick-Al close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1754: Synoptic Q95 2x2 - Al/mesh(64/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(128/2048) + G-band(16												
Term	Pointing (x, y)	Comment										
12/30 17:46:30 - 12/30 17:53:24	Fixed ( 0.0, 0.0)	synoptic, shifted -16.5 min										
12/31 06:03:00 - 12/31 06:09:54	Fixed ( 0.0, 0.0)	synoptic										
12/31 18:04:30 - 12/31 18:11:24	Fixed ( 0.0, 0.0)	synoptic, shifted 1.5 min										
01/01 06:23:30 - 01/01 06:30:24	Fixed ( 0.0, 0.0)	synoptic, shifted 20.5 min										
01/01 18:10:00 - 01/01 18:16:54	Fixed ( 0.0, 0.0)	synoptic, shifted 7.0 min										
01/02 05:57:00 - 01/02 06:03:54	Fixed ( 0.0, 0.0)	synoptic, shifted -6.0 min										
01/02 18:00:00 - 01/02 18:06:54	Fixed ( 0.0, 0.0)	synoptic, shifted -3.0 min										
01/03 06:03:00 - 01/03 06:10:00	Track ( -168.9, -2.2) @ 01/02 18:07:00	# HOP149										
01/03 18:04:06 - 01/03 18:11:00	Track ( -168.9, -2.2) @ 01/02 18:07:00	# HOP149										
01/04 05:33:30 - 01/04 05:40:24	Fixed ( 0.0, 0.0)	synoptic, shifted -29.5 min										
01/04 18:23:30 - 01/04 18:30:24	Fixed ( 0.0, 0.0)	synoptic, shifted 20.5 min										
01/05 06:09:30 - 01/05 06:16:24	Fixed ( 0.0, 0.0)	synoptic, shifted 6.5 min										
<b>PROG= 02 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 59 1-time(s) 4.0sec												
└─ Open/Al-mesh	Open/Al-mesh close	Safe	Norm	63ms	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= 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= 60 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/Ti-poly close	Safe	Norm	2.00s	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 #1752: Full Sun Q95 - 4x4 - Ti/poly - AEC1+2 - Thick-Al - fixed 46s												
Term	Pointing (x, y)	Comment										
01/02 06:07:02 - 01/02 17:56:54	Track ( -280.1, -4.6) @ 01/02 06:04:00	# HOP149										
01/02 18:10:00 - 01/03 05:59:54	Track ( -168.9, -2.2) @ 01/02 18:07:00	# HOP149										
01/03 06:13:06 - 01/03 18:01:00	Track ( -168.9, -2.2) @ 01/02 18:07:00	# HOP149										
01/03 18:14:06 - 01/04 05:30:24	Track ( -168.9, -2.2) @ 01/02 18:07:00	# HOP149										
01/04 05:43:30 - 01/04 17:57:00	Track ( 167.0, 0.7) @ 01/04 05:40:30	# HOP149										
01/04 18:33:30 - 01/05 06:06:24	Track ( 285.3, 0.0) @ 01/04 18:30:30	# HOP149										
01/05 06:19:30 - 01/05 09:00:01	Track ( 390.0, -1.4) @ 01/05 06:16:30	# HOP149										
<b>PROG= 12 Inf.-time(s)</b>												
└─ Subr= 1 6-time(s) 2.0sec												
└─ Seqn= 65 3-time(s) 180.0sec												
└─ Open/Ti-poly	Open/thick-Al close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=95	1	0	2.0sec	
└─ Open/Ti-poly	Open/thick-Al close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=95	2	0	2.0sec	
└─ Seqn= 32 1-time(s) 60.0sec												
└─ Open/thick-Al	Open/thick-Al close	Safe	Norm	45.2s	Obs	4x4	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
└─ Subr= 2 1-time(s) 60.0sec												
└─ Seqn= 36 1-time(s) 60.0sec												
└─ Open/Ti-poly	Open/Ti-poly close	Safe	Dark	22.6s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec	

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

**XOB #1747: Dark - Open+Thick-Be - 8x8 - 512x512**

Term Pointing (x, y) Comment  
01/05 09:02:47 - 01/05 09:03:47 Track ( 390.0, -1.4) @ 01/05 06:16:30 # HOP149

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

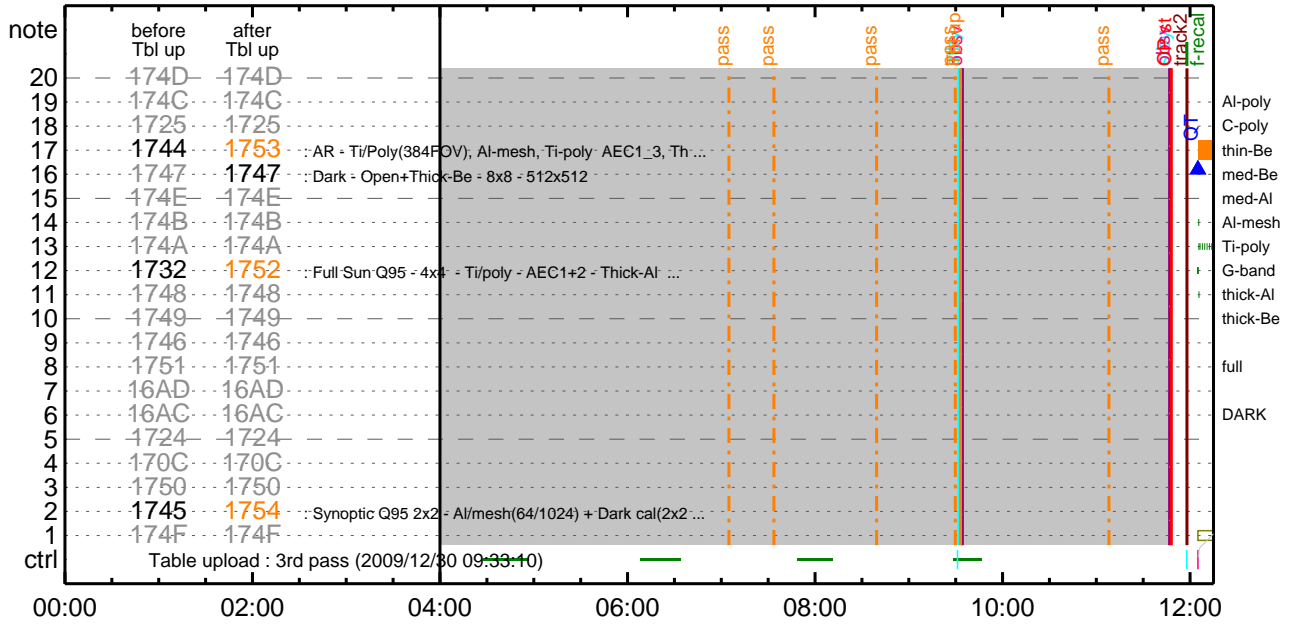
```

* * * * *
                Flare mode
                NOT USED
                * * * * *

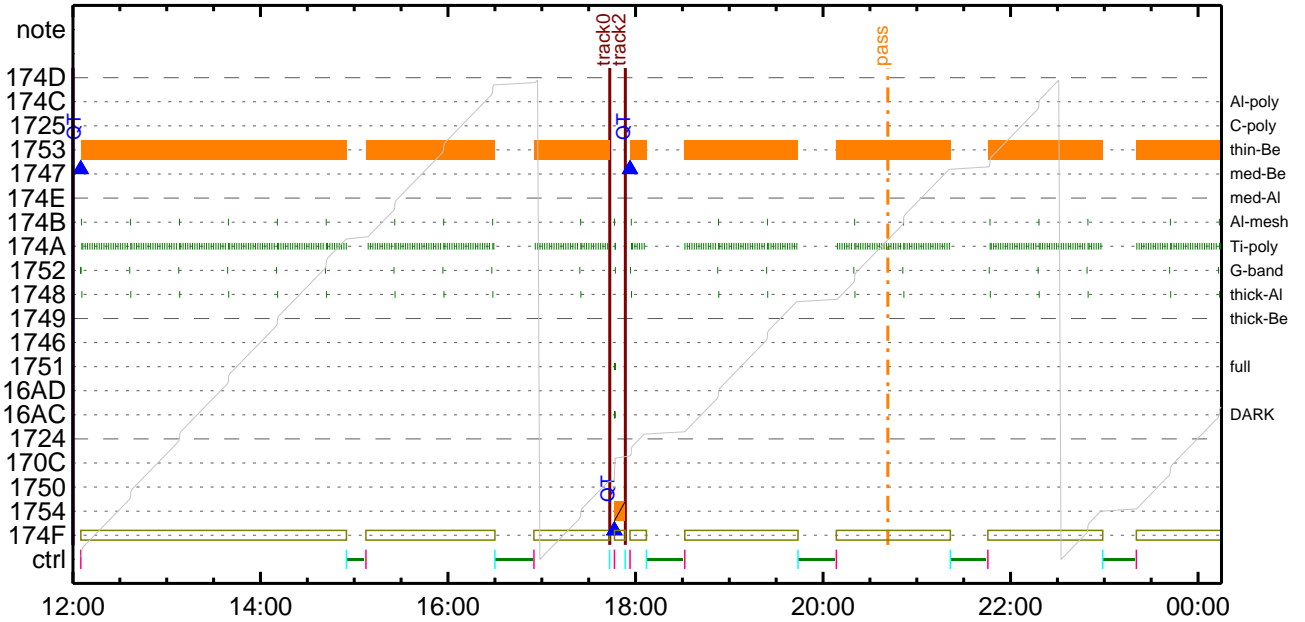
* * * * *
                Active Region Search
                NOT USED
                * * * * *

* * * * *
                Flare Detection
                NOT USED
                * * * * *
```

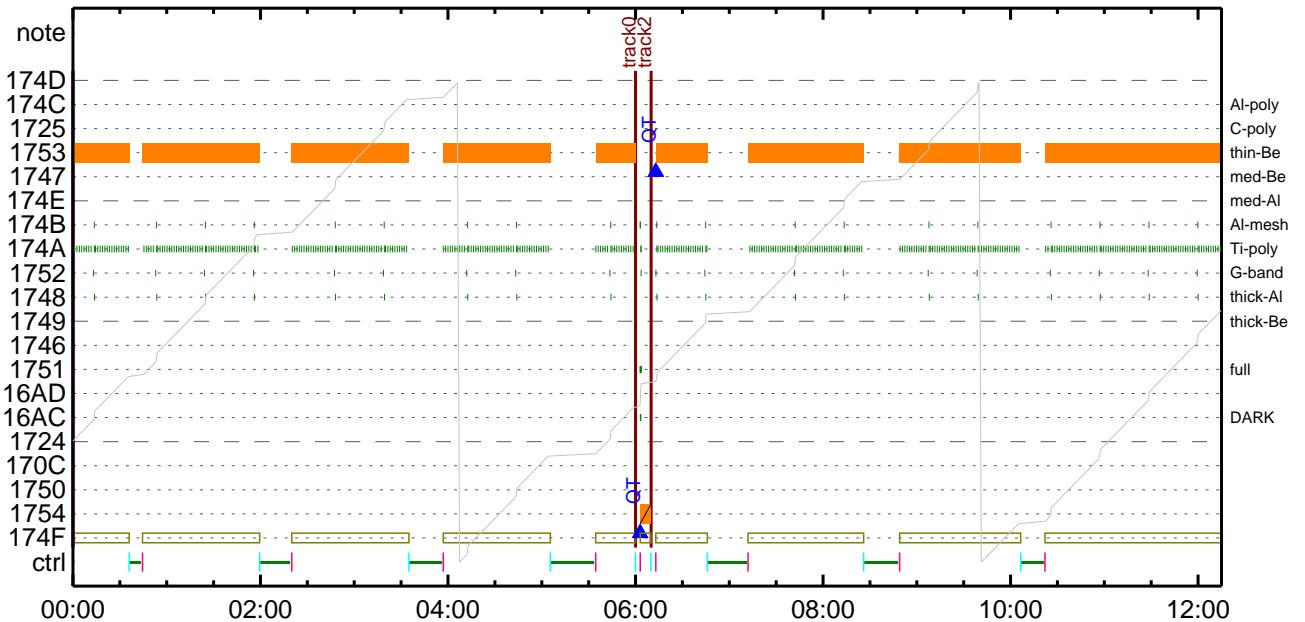
### CMDI #0996 2009/12/30



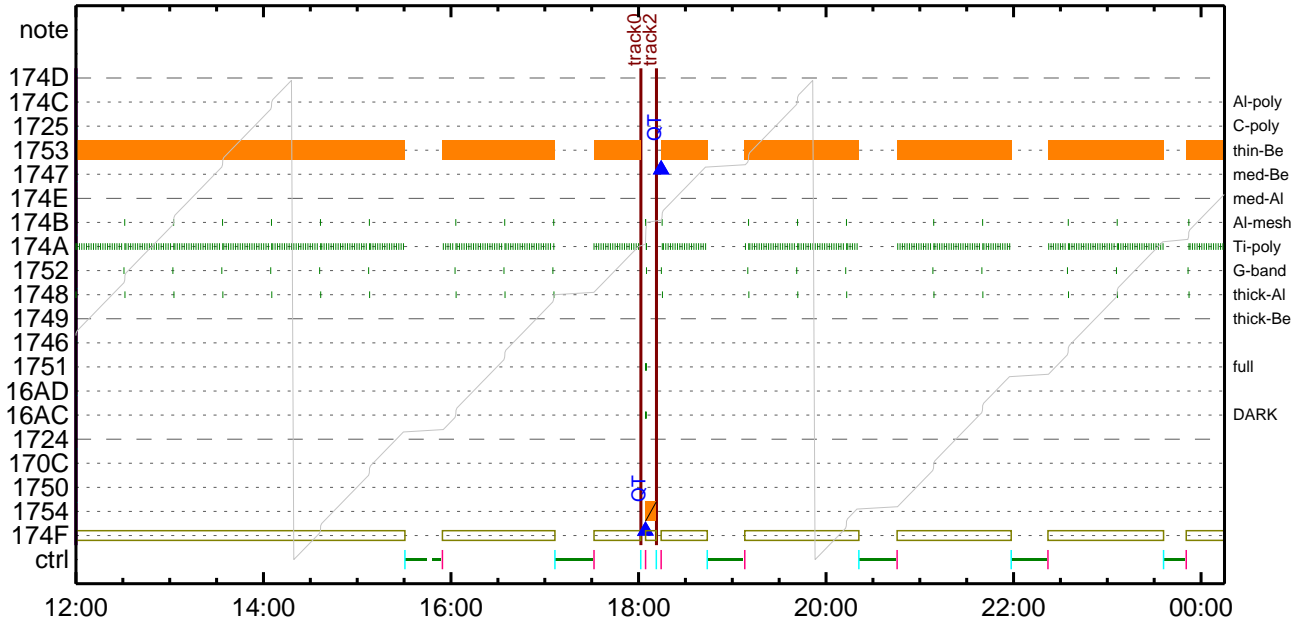
### CMDI #0996 2009/12/30



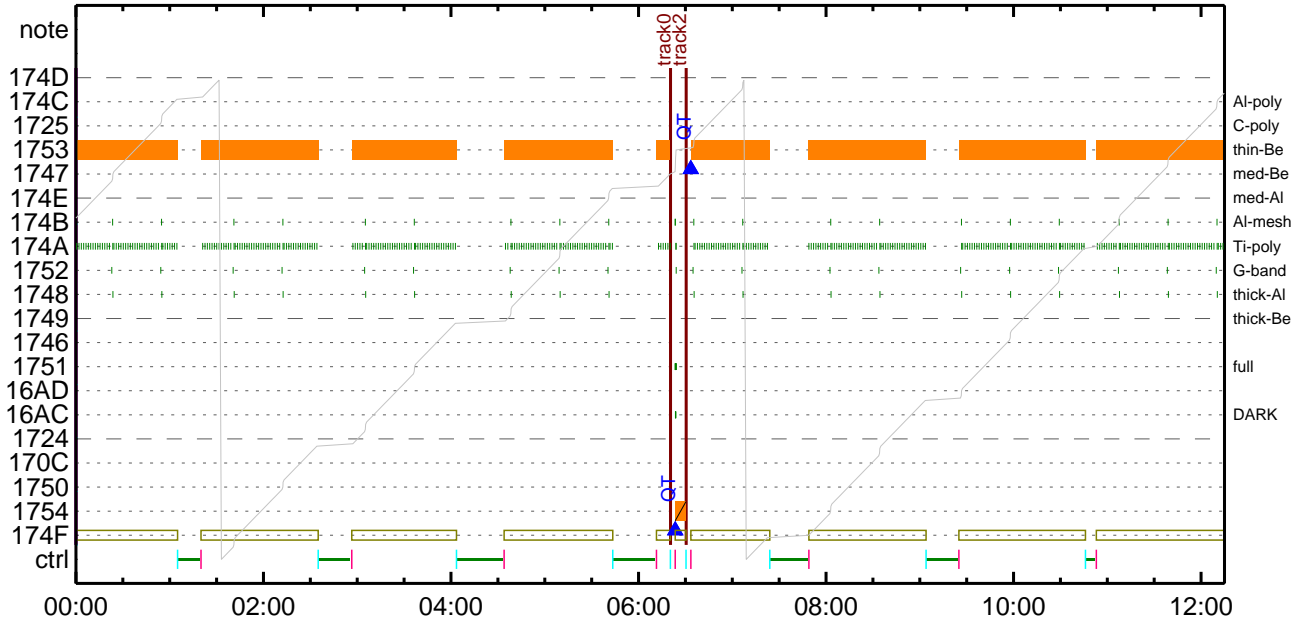
### CMDI #0996 2009/12/31



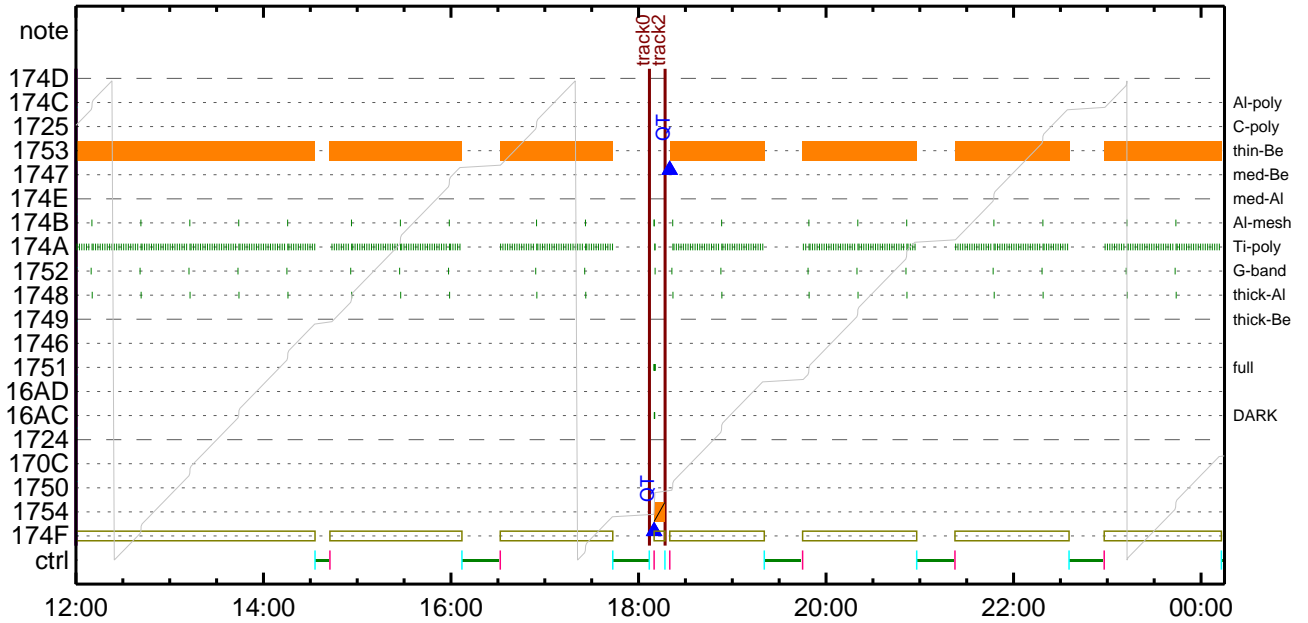
CMDI #0996 2009/12/31



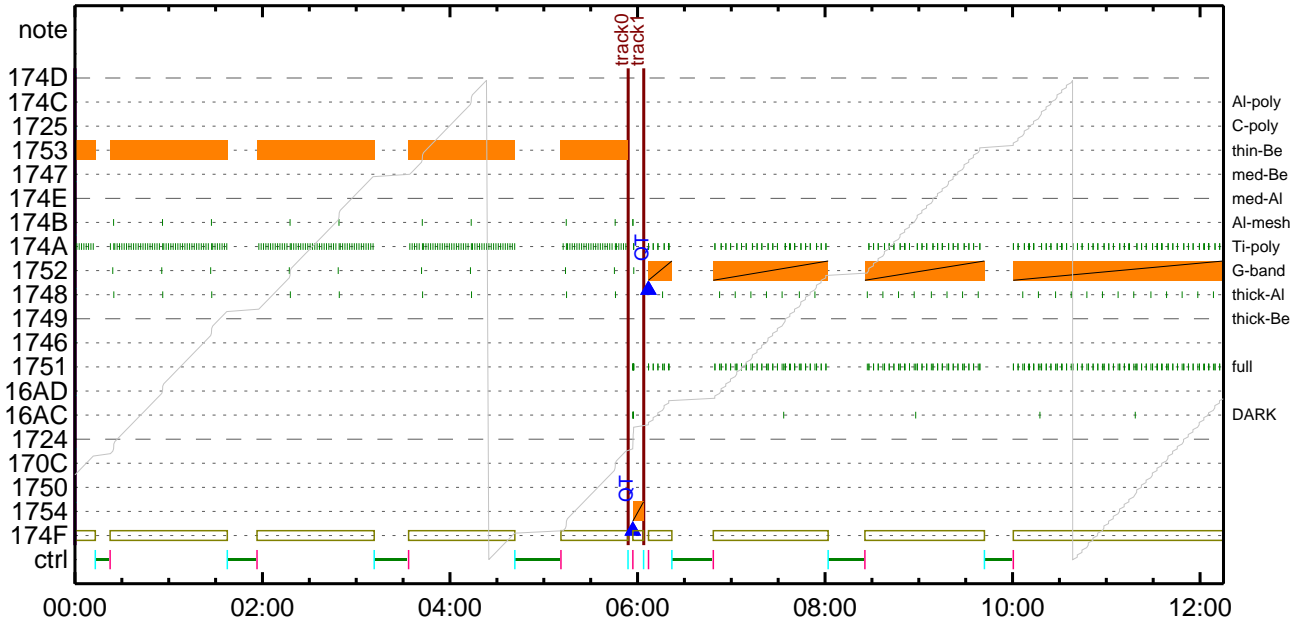
CMDI #0996 2010/01/01



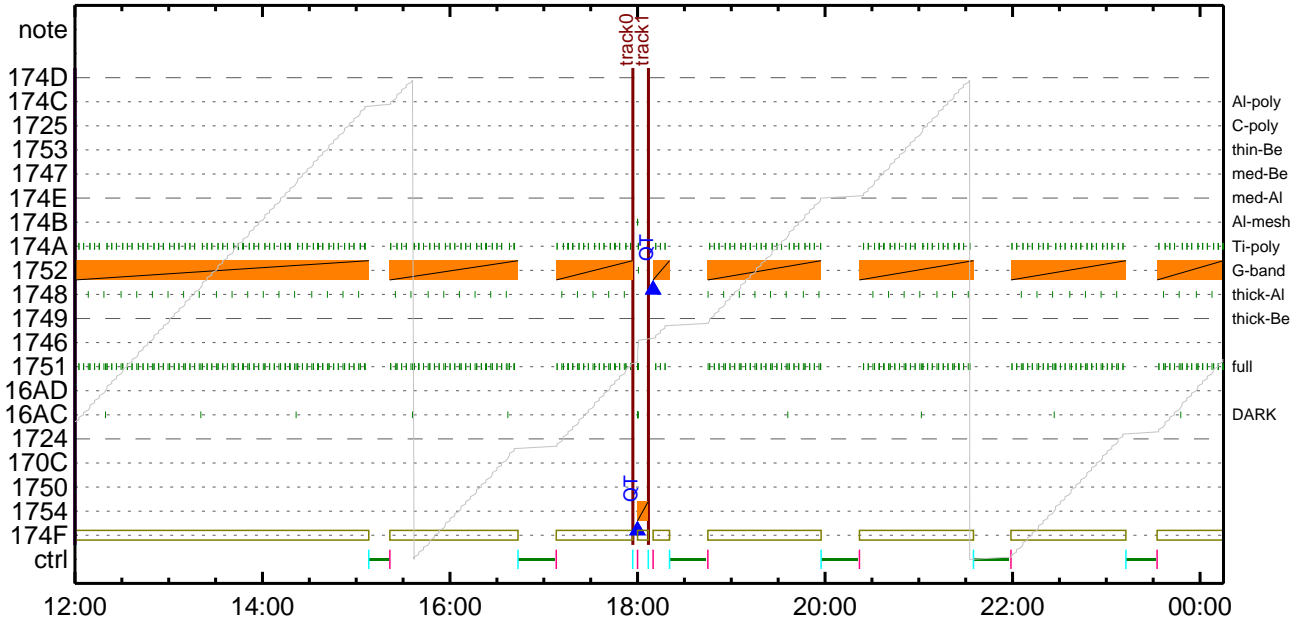
CMDI #0996 2010/01/01



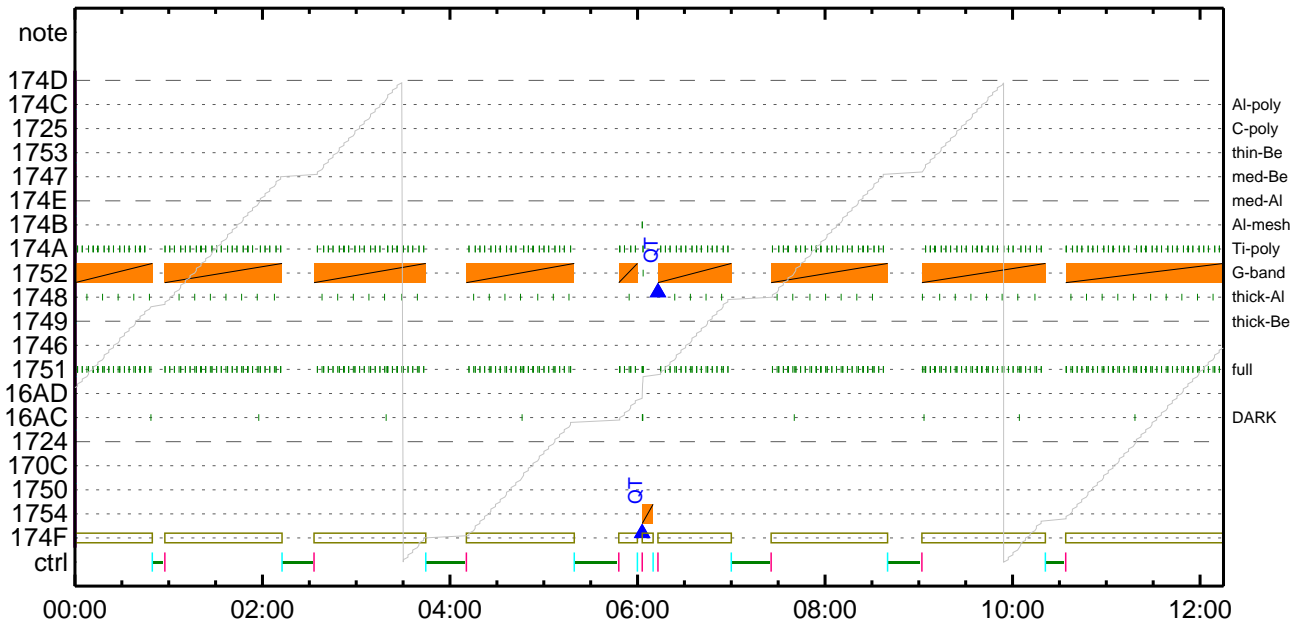
CMDI #0996 2010/01/02



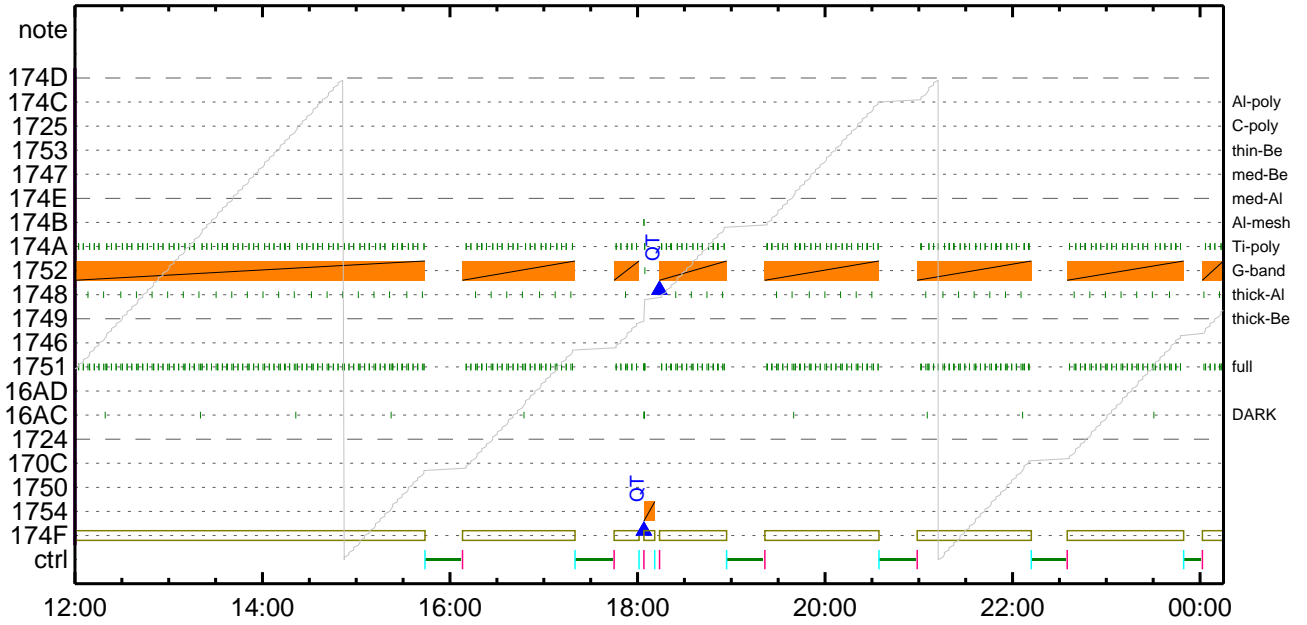
CMDI #0996 2010/01/02



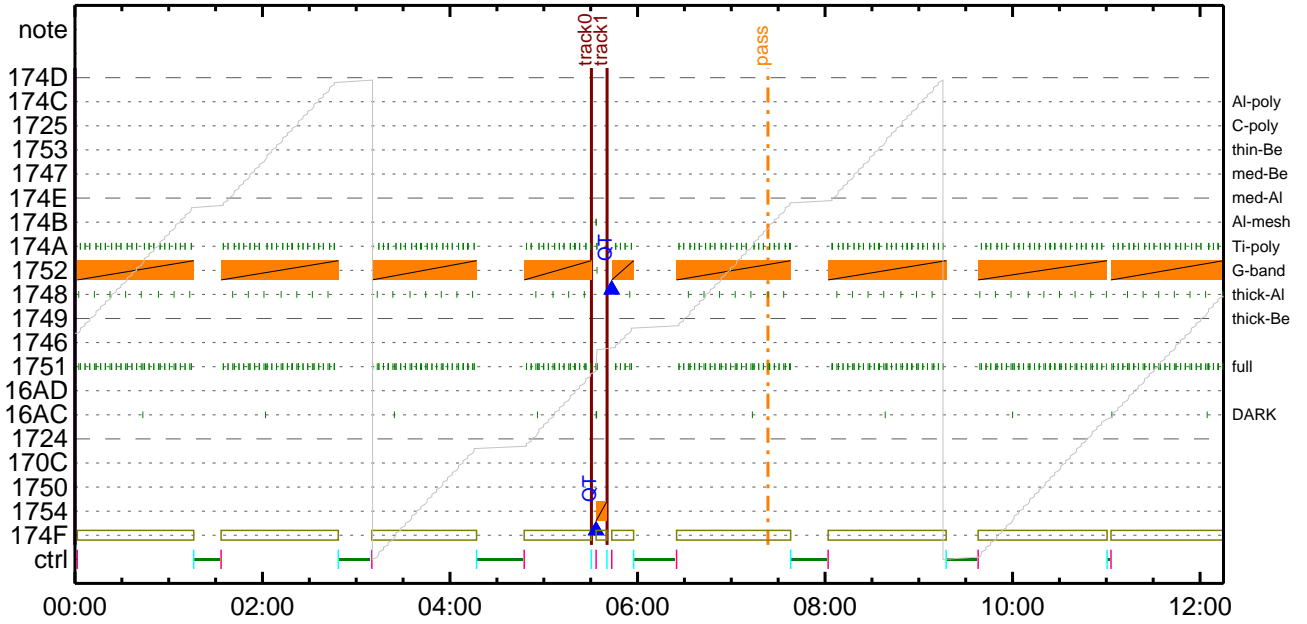
CMDI #0996 2010/01/03



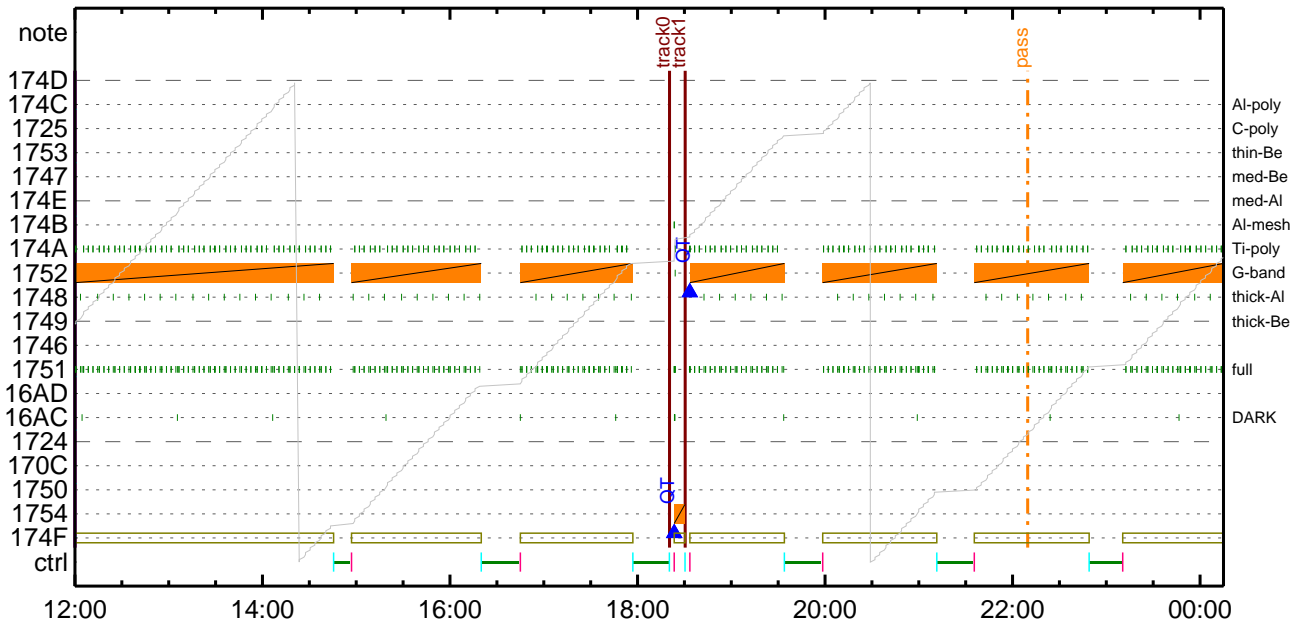
CMDI #0996 2010/01/03



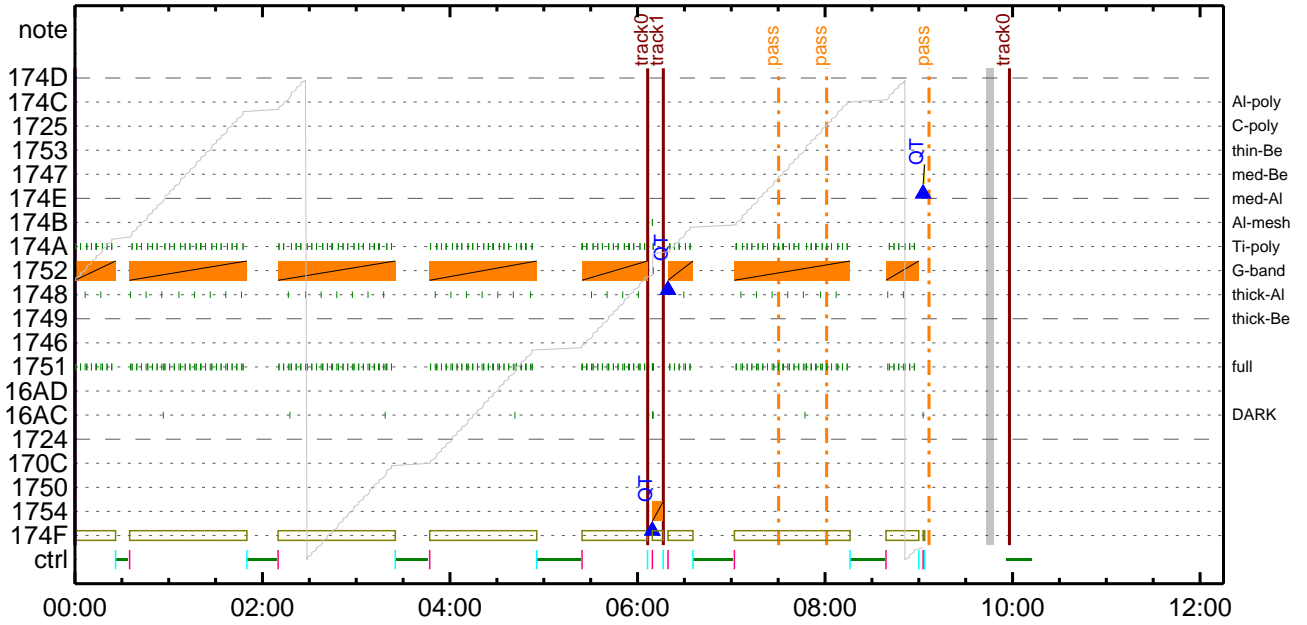
CMDI #0996 2010/01/04



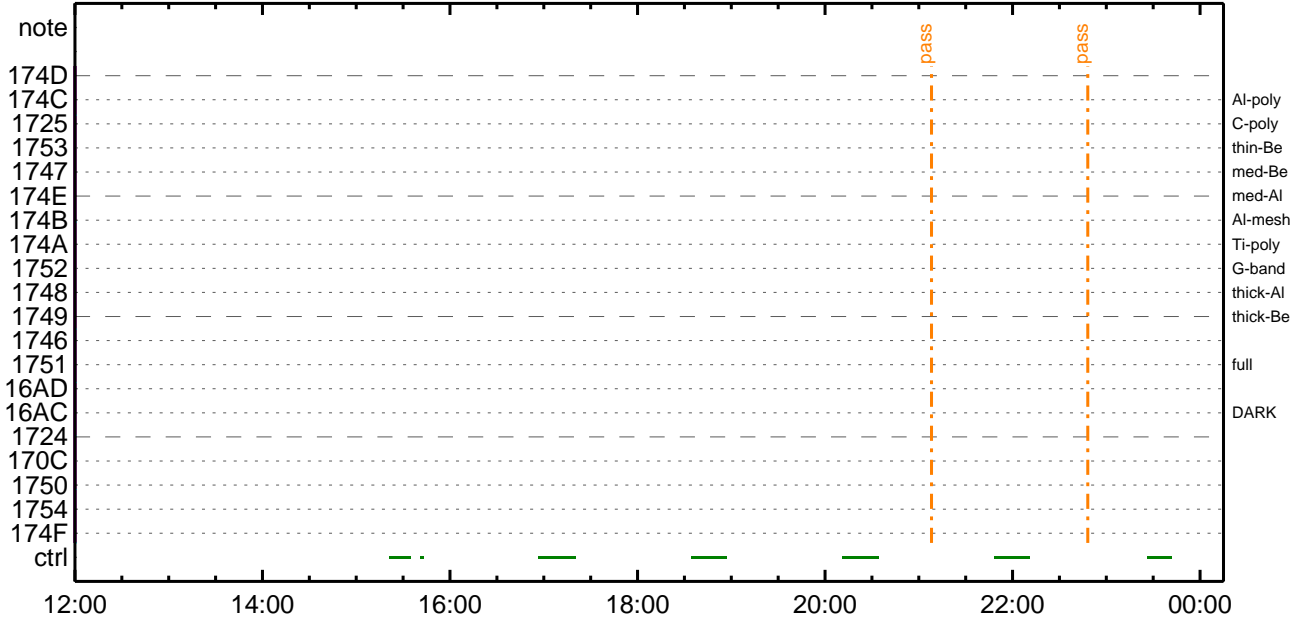
CMDI #0996 2010/01/04



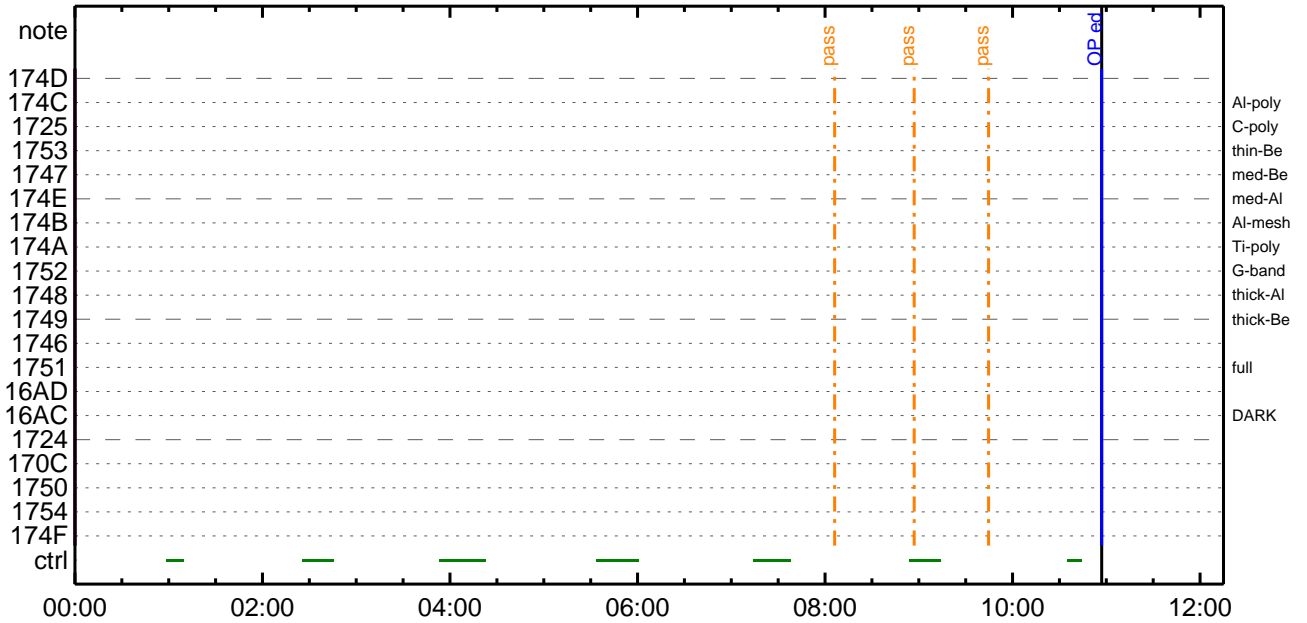
CMDI #0996 2010/01/05



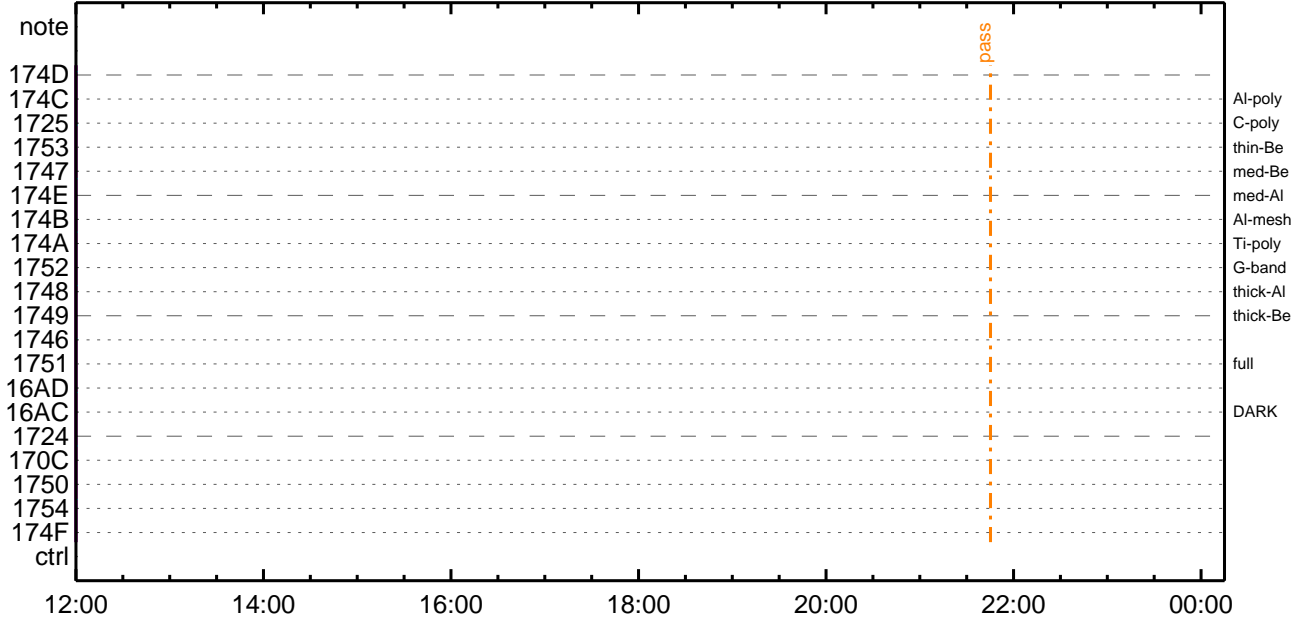
CMDI #0996 2010/01/05



CMDI #0996 2010/01/06



CMDI #0996 2010/01/06







```

0096 BC (21 00 41 01 02)
0097 C.          ÷[HK1_DMP_TOP_ADRS_1]          EQ      42
0098 C.          ÷[HK1_DMP_TOP_ADRS_0]          EQ      0
0099 C.          ÷[HK1_DMP_BLOCK_NUM]          EQ      65
0100 C.          ÷[HK1_DMP_REPEAT_NUM]          EQ      0
0101 C.          ÷[HK1_DMA_DMP_PIM]            EQ      DHU
0102 +. DC 01-22 DHU_MODE_CHNG
0103 BC (07 0b f8)
0104 C.          ÷[HK1_PKT_FORM_NO]              EQ      7
0105 C.          ÷[HK1_PKT_GEN_TIME]            EQ      0.25 s
0106 C.          ÷[HK1_S_TLM_BIT_RATE]          EQ      32k
0107 C.          ÷[HK1_X_TLM_BIT_RATE]          EQ      4M
0108 C.          ÷[HK1_DMP_CHK_FLG]            EQ      EXEC
0109 . C.      ¥À¥Ö¥×½ªî»ð³îÇ§
0110 C.          ÷[HK1_DMP_CHK_FLG]              EQ      NON
0111 . C.      RAM ID=NMOG, RAM ID=OPîîË¹ç•ë²îOKðð³îÇ§
0112 C.
0113 . C.      ***** òÊ²¼ðîÏ¼Ã´¶Á°ðÊË-ð°Á÷ç® (¼åµ-¥À¥Ö¥×½ªððÁÖÃæç¼ª°ð³ðË¼î¹çðÇâ) *****
0114 C.      DHU¥â;¼¥Ë;Ê¼¥½, ¥ì;¼¥Ë;Ëððîã¹
0115 +. DC 01-22 DHU_MODE_CHNG
0116 BC (02 0a f8)
0117 C.          ÷[HK1_PKT_FORM_NO]              EQ      2
0118 C.          ÷[HK1_PKT_GEN_TIME]            EQ      0.5S
0119 C.          ÷[HK1_S_TLM_BIT_RATE]          EQ      32K
0120 C.          ÷[HK1_X_TLM_BIT_RATE]          EQ      4M
0121 C.
0122 . C.      *****
0123 C.      TI-CMD SET (OPOG STOP/COPY/START)
0124 C.      *****
0125 C.
0126 . C.      NOTICE ;§ OPOG UPLOADð-Á÷ç®NGðîî¹ç;ç°Ê²¼ðîîTI-CMDÁ÷ç®ðîÏ¼Ã¹Òð•ðËðð³ðË;£
0127 C.          ððç;çSETðËDUMPðîË±°î¥Ñ¥¹ç¹Òð|ð³ðË;£
0128 C.
0129 . C.      TI¥³¥ð¥ö¥ËððÁðîç (UT)
0130 +. TI 2009-12-30 11:43:00.0
0131 DC 01-B3 DHU_OP_STOP
0132 C.          ÷[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0133 C.
0134 +. TI 2009-12-30 11:43:01.0
0135 DC 01-B4 DHU_OP_COPY
0136 C.          ÷[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0137 C.
0138 +. TI 2009-12-30 11:43:01.0
0139 DC 01-B5 DHU_OPOG_COPY
0140 C.          ÷[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0141 C.
0142 +. TI 2009-12-30 11:47:59.5
0143 DC 01-B2 DHU_OP_START
0144 C.          ÷[HK1_TI_CMD_NUM]              EQ      1COUNTUP
0145 C.
0146 C.      òÊ²¼ðîÏ¼Ã¹îîðîî¥À¥§¥À¥-¹àîÛ
0147 C.          ÷[HK1_TI_CMD_ENA/DIS]          EQ      ENA
0148 C.          ÷[HK1_TI_CMD_NUM]              EQ      4
0149 C.          ÷[HK1_NEXT_EXEC_PIM]            EQ      DHU
0150 C.          ÷[HK1_NEXT_EXEC_DC]            EQ      0xB3
0151 C.
0152 . C.      *****
0153 C.      TIîî°è¥À¥Ö¥×
0154 C.      *****
0155 C.
0156 C.      TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0157 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0158 BC (03 ab 03 01 02)
0159 C.          ÷[HK1_DMP_TOP_ADRS_1]          EQ      07
0160 C.          ÷[HK1_DMP_TOP_ADRS_0]          EQ      2B
0161 C.          ÷[HK1_DMP_BLOCK_NUM]          EQ      3
0162 C.          ÷[HK1_DMP_REPEAT_NUM]          EQ      0
0163 C.          ÷[HK1_DMA_DMP_PIM]            EQ      DHU
0164 +. DC 01-22 DHU_MODE_CHNG
0165 BC (07 0b f8)
0166 C.          ÷[HK1_PKT_FORM_NO]              EQ      7
0167 C.          ÷[HK1_PKT_GEN_TIME]            EQ      0.25 s
0168 C.          ÷[HK1_S_TLM_BIT_RATE]          EQ      32k
0169 C.          ÷[HK1_X_TLM_BIT_RATE]          EQ      4M
0170 C.          ÷[HK1_DMP_CHK_FLG]            EQ      EXEC
0171 C.
0172 . C.      ¥À¥Ö¥×½ªî»ð³îÇ§
0173 C.          ÷[HK1_DMP_CHK_FLG]              EQ      NON
0174 C.
0175 . C.      RAM ID=TI_TBLðîîË¹ç•ë²îOKðð³îÇ§
0176 C.
0177 . C.      DHU¥â;¼¥Ë;Ê¼¥½, ¥ì;¼¥Ë;Ëððîã¹
0178 +. DC 01-22 DHU_MODE_CHNG
0179 BC (02 0a f8)
0180 C.          ÷[HK1_PKT_FORM_NO]              EQ      2
0181 C.          ÷[HK1_PKT_GEN_TIME]            EQ      0.5S
0182 C.          ÷[HK1_S_TLM_BIT_RATE]          EQ      32K
0183 C.          ÷[HK1_X_TLM_BIT_RATE]          EQ      4M
0184 C.
0185 C.      *****
0186 C.      SOT TI command set
0187 C.      *****
0188 C.      Execute, after the success of OP upload.
0189 +. TI 2009-12-30 11:47:16.0
0190 DC 07-F0 MDP_SOT_MODE_STBY
0191 BC (41)
0192 . C.      -----
0193 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]

```

```
0194 C. -----
0195 C. ***** SOT END *****
0196 . C. Stop EIS observation and temporarily disable EIS mode changes
0197 C.
0198 C.
0199 C. ***** Start EIS operation (TI set) *****
0200 C. Execute, after the success of OP upload.
0201 C. Set EIS TI-commands
0202 +. TI 2009-12-30 11:47:30.0
0203 DC 07-FC EIS_MODE_MANU
0204 BC (21 02)
0205 +. TI 2009-12-30 11:47:40.0
0206 DC 07-FC EIS_MODE_CHG_DIS
0207 BC (22)
0208 . C. [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0209 C. ***** End EIS operation (TI set) *****
0210 C.
0211 C.
0212 C.
0213 C. ***** XRT START *****
0214 C. Execute, after the success of OP upload.
0215 +. TI 2009-12-30 11:47:00.0
0216 DC 07-F0 MDP_XRT_MODE_STBY
0217 BC (c3)
0218 . C. [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0219 C.
0220 C. ***** XRT END *****
0221 C.
0222 . C. ***** MDP (MDP_known_event) *****
0223 C. (DC-BC dcbc-402:DCBC)
0224 . S. DC-BC dcbc-402:DCBC
0225 (MDP_known_event)
0226 C.
0227 C.
0228 . C. ***** Daily (SPECIAL-CMD_DAILY_OPERATIN_DCB) *****
0229 . S. DC-BC dcbc-153:DCBC
0230 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0231 C.
0232 C.
0233 . C. ;ãLOS (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0234 C.
0235 . C. ***** LOS *****
0236 C.
```



```
0096 C.
0097 C.
0098 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0099 +. DC 07-FC EIS_MODE_MANU
0100 BC (21 02)
0101 . C. Verify EIS in MANUAL mode
0102 . C. Estimated OBSTBL upload time is 16s
0103 C. *****
0104 C. EIS START OBSTBL LOAD
0105 C. *****
0106 . S. RAM ram-820:EIS_OBSTBL
0107 ( )
0108 +. DC 07-FC EIS_DUMP_OBSTBL
0109 BC (07 07 07 00 00 70 00)
0110 C.
0111 C. Execute, after the success of OBSTBL upload.
0112 C. Set EIS TI-commands
0113 +. TI 2009-12-30 11:47:50.0
0114 DC 07-FC EIS_MODE_CHG_ENA
0115 BC (20)
0116 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0117 C. *****
0118 C. EIS END OBSTBL LOAD
0119 C. *****
0120 C.
0121 . C. ***** MDP `ûÃîñî»ö¼ÿñÈÃñ¹ñèDCBC•x²è *****
0122 C. (¼ã°îÿÓÿÃÿÈÿÏÿÈÿÃÿçÿèñ¼çñ¼Ã»Ûñ¹ñè)
0123 . S. DC-BC dcbc-402:DCBC
0124 (MDP_known_event)
0125 C.
0126 C.
0127 . C. ***** ÿDÿ¹•î Daily±;îññÈ´Øñ¹ñèDCBC•x²è *****
0128 . S. DC-BC dcbc-153:DCBC
0129 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0130 C.
0131 C.
0132 . C. ;ãLOSÿÃÿSÿÿÃÿ-¼Ã»Û;ã
0133 C.
0134 . C. ***** LOS *****
0135 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-080 2009-12-30 12:10:33 132 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY~¼Ä»Ü;ä
0005 C.
0006 C. YÄYŞ;¼Y³YFYÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µÄß•µ°Æ»ÍxÁÇµíYçYÄY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈßÈ¼°ÇÖß•µ¿¼l¹çµí;çÄ®, ùµ¹µèµßµçÄ+¿®µ•µÈµµµ³µÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-268:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-281:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2009-12-30 11:47:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 C. ***** XRT START *****
0066 C.
0067 +. DC 07-F0 MDP_XRT_CTRL_MANU
0068 BC (c1)
0069 +. DC 07-F0 MDP_XRT_MODE_STBY
0070 BC (c3)
0071 . C. ----- Success Verify ? OK / NG_____
0072 C.
0073 C. XRT Obs. Table Upload
0074 . S. RAM ram-291:MDP_OBS_X
0075 ( )
0076 C.
0077 +. DC 07-F0 MDP_DUMP_XRTTBL
0078 BC (84 07 00 00 00 3a d4)
0079 . C. ----- Comparison Check ? OK / ERR _____
0080 C.
0081 C.
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 01 b1 b1 04 04)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 02 b1 b1 08 08)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 03 b1 b1 08 08)
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 04 b1 b1 06 06)
0090 +. DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 06 80 80 08 08)
0092 +. DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 07 85 83 06 06)
0094 +. DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 08 80 80 20 20)
```

0096 + DC 07-F0 MDP\_XRT\_ROI\_SET  
0097 BC (cd 09 80 80 20 08)  
0098 + DC 07-F0 MDP\_XRT\_ROI\_SET  
0099 BC (cd 0a 80 80 08 20)  
0100 + DC 07-F0 MDP\_XRT\_ROI\_SET  
0101 BC (cd 0f 80 80 06 06)  
0102 + DC 07-F0 MDP\_XRT\_ROI\_SET  
0103 BC (cd 10 80 80 04 04)  
0104 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0105 C.  
0106 C.  
0107 . C. All OK? Yes--> Please Proceed. / No --> Stop here.  
0108 C.  
0109 +. DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0110 BC (c2)  
0111 +. TI 2009-12-30 11:47:02.0  
0112 DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0113 BC (c2)  
0114 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0115 C.  
0116 C. \*\*\*\*\* XRT END \*\*\*\*\*  
0117 C.  
0118 . C. \*\*\*\*\* MDP `ûÃîñî»ö¼ÿoĚĀðñ¹æĎCIBC•x²è \*\*\*\*\*  
0119 C. (¼â°îÿÔŸĀŸĒŸPŸĒŸĀŸçŸĚæ¼¾¼¼Ā»Ûñ¹æè)  
0120 . S. DC-BC dcbc-402:DCBC  
0121 (MDP\_known\_event)  
0122 C.  
0123 C.  
0124 . C. \*\*\*\*\* ŸDŸ¹•ï Daily±;îññĒ'Øñ¹æĎCIBC•x²è \*\*\*\*\*  
0125 . S. DC-BC dcbc-153:DCBC  
0126 (SPECIAL-CMD\_DAILY\_OPERATIN\_DCB)  
0127 C.  
0128 C.  
0129 . C. ;ãLOSŸĀŸŸŸĀŸ-¼Ā»Û;ã  
0130 C.  
0131 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0132 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-081 2009-12-30 12:10:33 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŠYÄY^-¼Ä»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αÄα•μ°Æ»Í×ÁÇαíYçYÄY×Yí;¼YÉ;ÈÈè%μ•ííÉ;ÈÈÈ¼°ÇÖα•α¿¼i¹çαí;çÄ®, ùα¹αèαβαÇÁ+¿®α•αÈααα³αÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP `úÁíαí»ö¼YαÈÄα¹αèDCBC•x²è *****
0016 C. (%á°íYÓYÄYÈYβYÉYáYçYèαÈ%¼αα%Ä»Ûα¹αè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** YDÝ¹•İ Daily+¿íÑαÈ´Øα¹αèDCBC•x²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOSÁYŠYÄY^-¼Ä»Û;ä
0027 C.
0028 . C. ***** LOS *****
0029 C.
```



Dec 30, 09 12:10

XRT\_OGLIST\_0996.chk

Page 1/9

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

2009/12/30	11:57:54.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	11:57:56.0	XRT_FOCUS_RECALIBRATE_424_OG [0x1a8]			
		XRT_FOCUS_RECAL	2	07-F8	78 00
2009/12/30	11:58:00.0	AOCS_OrE-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	02 00 00 00 00
2009/12/30	12:01:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/12/30	12:02:16.0	XRT_AEC_RESET_403_OG [0x193]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2009/12/30	12:02:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/12/30	12:02:20.0	XRT_FLRCTRL_DIS_410_OG [0x19a]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/12/30	12:02:22.0	XRT_ARS_DIS_411_OG [0x19b]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/12/30	12:05:00.0	XRT_QT_PROG_SET_430_OG [0x1ae]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/12/30	12:05:02.0	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	14:55:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	15:06:30.0	XRT_Custom_420_OG [0x1a4]			
2009/12/30	15:07:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	16:30:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	16:54:00.0	XRT_Custom_420_OG [0x1a4]			
2009/12/30	16:55:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	17:43:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	17:43:26.0	XRT_FOCUS_POSITION_408_OG [0x198]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2009/12/30	17:43:30.0	AOCS_OrE-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2009/12/30	17:43:46.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/12/30	17:43:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/12/30	17:43:50.0	XRT_ARS_DIS_411_OG [0x19b]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/12/30	17:46:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2009/12/30	17:46:30.0	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	17:53:24.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	17:53:26.0	XRT_FOCUS_POSITION_413_OG [0x19d]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2009/12/30	17:53:30.0	AOCS_OrE-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	02 00 00 00 00
2009/12/30	17:53:46.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2009/12/30	17:53:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2009/12/30	17:53:50.0	XRT_ARS_DIS_411_OG [0x19b]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2009/12/30	17:56:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2009/12/30	17:56:30.0	XRT_CTRL_AUTO_407_OG [0x197]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	18:07:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	18:30:30.5	XRT_Custom_420_OG [0x1a4]			
2009/12/30	18:31:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	19:44:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	20:07:30.0	XRT_Custom_420_OG [0x1a4]			
2009/12/30	20:08:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	21:21:30.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	21:44:30.0	XRT_Custom_420_OG [0x1a4]			
2009/12/30	21:45:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/30	22:59:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/30	23:19:30.0	XRT_Custom_420_OG [0x1a4]			
2009/12/30	23:20:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/31	00:36:00.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/31	00:43:30.0	XRT_Custom_420_OG [0x1a4]			
2009/12/31	00:44:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2009/12/31	01:59:30.0	XRT_CTRL_MANU_419_OG [0x1a3]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2009/12/31	02:19:00.0	XRT_Custom_420_OG [0x1a4]			
2009/12/31	02:20:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]			

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 2/9

2009/12/31	03:35:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	03:56:00.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	03:57:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	05:05:30.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	05:33:30.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	05:34:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	05:59:56.0	XRT_FOCUS_POSITION_408_OG [0x198]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00			
2009/12/31	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00	00 00			
2009/12/31	06:00:16.0	XRT_FLD_DIS_409_OG [0x199]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/31	06:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/31	06:00:20.0	XRT_ARS_DIS_411_OG [0x19b]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/31	06:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2009/12/31	06:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	06:09:54.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	06:09:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00			
2009/12/31	06:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]								
			AOCU_NM	5	02-76	02 00 00 00	00 00			
2009/12/31	06:10:16.0	XRT_FLD_DIS_409_OG [0x199]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/31	06:10:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/31	06:10:20.0	XRT_ARS_DIS_411_OG [0x19b]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/31	06:12:58.0	XRT_QT_PROG_SET_430_OG [0x1ae]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2009/12/31	06:13:00.0	XRT_CTRL_AUTO_407_OG [0x197]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	06:46:00.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	07:11:00.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	07:12:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	08:26:00.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	08:48:00.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	08:49:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	10:06:30.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	10:21:00.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	10:22:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	15:30:30.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	15:53:30.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	15:54:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	17:06:30.0	XRT_CTRL_MANU_419_OG [0x1a3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	17:30:30.0	XRT_Custom_420_OG [0x1a4]								
2009/12/31	17:31:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	18:01:24.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	18:01:26.0	XRT_FOCUS_POSITION_408_OG [0x198]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00			
2009/12/31	18:01:30.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00	00 00			
2009/12/31	18:01:46.0	XRT_FLD_DIS_409_OG [0x199]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/31	18:01:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2009/12/31	18:01:50.0	XRT_ARS_DIS_411_OG [0x19b]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2009/12/31	18:04:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2009/12/31	18:04:30.0	XRT_CTRL_AUTO_407_OG [0x197]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2009/12/31	18:11:24.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2009/12/31	18:11:26.0	XRT_FOCUS_POSITION_413_OG [0x19d]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00			
2009/12/31	18:11:30.0	AOCS_Ore-point_Start_1_OG [0x097]								
			AOCU_NM	5	02-76	02 00 00 00	00 00			
2009/12/31	18:11:46.0	XRT_FLD_DIS_409_OG [0x199]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2009/12/31	18:11:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]								

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 3/9

2009/12/31	18:11:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/12/31	18:14:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2009/12/31	18:14:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/31	18:44:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/31	19:07:00.0	XRT_Custom_420_OG [0x1a4]					
2009/12/31	19:08:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/31	20:21:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/31	20:44:30.0	XRT_Custom_420_OG [0x1a4]					
2009/12/31	20:45:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/31	21:58:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/31	22:21:00.0	XRT_Custom_420_OG [0x1a4]					
2009/12/31	22:22:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/12/31	23:36:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/12/31	23:49:30.0	XRT_Custom_420_OG [0x1a4]					
2009/12/31	23:50:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	01:05:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	01:19:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	01:20:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	02:35:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	02:55:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	02:56:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	04:03:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	04:33:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	04:34:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	05:43:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	06:10:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	06:11:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	06:20:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	06:20:26.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/01/01	06:20:30.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00 00
2010/01/01	06:20:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/01	06:20:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/01	06:20:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/01	06:23:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
2010/01/01	06:23:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	06:30:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	06:30:26.0	XRT_FOCUS_POSITION_413_OG [0x19d]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2010/01/01	06:30:30.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 00 00 00	00 00
2010/01/01	06:30:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/01	06:30:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/01	06:30:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/01	06:33:28.0	XRT_QT_PROG_SET_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2010/01/01	06:33:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	07:24:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	07:48:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	07:49:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	09:04:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	09:24:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	09:25:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	10:46:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	10:52:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	10:53:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 4/9

2010/01/01	14:33:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	14:41:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	14:42:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	16:07:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	16:30:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	16:31:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	17:43:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	18:06:54.0	XRT_CTRL_MANU_400_OG [0x190]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	18:06:56.0	XRT_FOCUS_POSITION_408_OG [0x198]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/01/01	18:07:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2010/01/01	18:07:16.0	XRT_FLD_DIS_409_OG [0x199]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/01	18:07:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/01	18:07:20.0	XRT_ARS_DIS_411_OG [0x19b]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/01	18:09:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 02	
2010/01/01	18:10:00.0	XRT_CTRL_AUTO_407_OG [0x197]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	18:16:54.0	XRT_CTRL_MANU_400_OG [0x190]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	18:16:56.0	XRT_FOCUS_POSITION_413_OG [0x19d]					
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2010/01/01	18:17:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
			AOCU_NM	5	02-76	02 00 00 00 00	
2010/01/01	18:17:16.0	XRT_FLD_DIS_409_OG [0x199]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/01	18:17:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/01	18:17:20.0	XRT_ARS_DIS_411_OG [0x19b]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/01	18:19:58.0	XRT_QT_PROG_SET_430_OG [0x1ae]					
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2010/01/01	18:20:00.0	XRT_CTRL_AUTO_407_OG [0x197]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	19:20:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	19:44:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	19:45:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	20:58:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	21:21:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	21:22:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/01	22:35:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/01	22:57:00.0	XRT_Custom_420_OG [0x1a4]					
2010/01/01	22:58:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	00:13:00.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	00:21:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/02	00:22:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	01:37:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	01:55:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/02	01:56:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	03:11:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	03:32:30.0	XRT_Custom_420_OG [0x1a4]					
2010/01/02	03:33:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	04:41:30.0	XRT_CTRL_MANU_419_OG [0x1a3]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	05:10:00.5	XRT_Custom_420_OG [0x1a4]					
2010/01/02	05:11:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]					
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	05:53:54.0	XRT_CTRL_MANU_400_OG [0x190]					
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	05:53:56.0	XRT_FOCUS_POSITION_408_OG [0x198]					
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2010/01/02	05:54:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
			AOCU_NM	5	02-76	00 00 00 00 00	
2010/01/02	05:54:16.0	XRT_FLD_DIS_409_OG [0x199]					
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/02	05:54:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]					
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/02	05:54:20.0	XRT_ARS_DIS_411_OG [0x19b]					
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/02	05:56:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]					

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 5/9

2010/01/02	05:57:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
2010/01/02	06:03:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	06:03:56.0	XRT_FOCUS_POSITION_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	06:04:00.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/01/02	06:04:16.0	XRT_AEC_RESET_403_OG [0x193]	AOCU_NM	5	02-76	01 00 00 00	00
2010/01/02	06:04:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2010/01/02	06:04:20.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/02	06:04:22.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/02	06:07:00.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/02	06:07:02.5	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2010/01/02	06:22:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	06:47:30.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	06:48:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	08:02:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	08:24:30.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	08:25:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	09:42:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	09:59:30.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	10:00:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	15:08:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	15:20:30.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	15:21:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	16:43:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	17:07:00.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	17:08:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	17:56:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	17:56:56.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/01/02	17:57:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2010/01/02	17:57:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/02	17:57:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/02	17:57:20.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/02	17:59:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
2010/01/02	18:00:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	18:06:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	18:06:56.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2010/01/02	18:07:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00	00
2010/01/02	18:07:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2010/01/02	18:07:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2010/01/02	18:07:20.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2010/01/02	18:09:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2010/01/02	18:10:00.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	18:20:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	18:44:00.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	18:45:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	19:57:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	20:21:00.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	20:22:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2010/01/02	21:35:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	21:58:00.0	XRT_Custom_420_OG [0x1a4]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2010/01/02	21:59:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 6/9

2010/01/02	23:12:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/02	23:31:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/02	23:32:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	00:49:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	00:56:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	00:57:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	02:12:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	02:32:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	02:33:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	03:44:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	04:09:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	04:10:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	05:19:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	05:47:00.5	XRT_Custom_420_OG [0x1a4]							
2010/01/03	05:48:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	05:59:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	05:59:56.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/03	06:00:16.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/01/03	06:00:18.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/01/03	06:00:20.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/01/03	06:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2010/01/03	06:03:00.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	06:10:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	06:10:02.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/03	06:10:22.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/01/03	06:10:24.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/01/03	06:10:26.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/01/03	06:13:04.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2010/01/03	06:13:06.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	07:00:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	07:24:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	07:25:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	08:40:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	09:01:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	09:02:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	10:21:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	10:33:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	10:34:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	15:44:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	16:07:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	16:08:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	17:20:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	17:44:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/03	17:45:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	18:01:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/03	18:01:02.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/03	18:01:22.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/01/03	18:01:24.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/01/03	18:01:26.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/01/03	18:04:04.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2010/01/03	18:04:06.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/03	18:11:00.0	XRT_CTRL_MANU_400_OG [0x190]							

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 7/9

2010/01/03	18:11:02.0	XRT_FOCUS_POSITION_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1
		XRT_FOCUS_POSITION		4	07-F8	22 ff aa 00
2010/01/03	18:11:22.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2010/01/03	18:11:24.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/03	18:11:26.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/03	18:14:04.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2010/01/03	18:14:06.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/03	18:57:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/03	19:20:30.0	XRT_Custom_420_OG [0x1a4]				
2010/01/03	19:21:30.5	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/03	20:34:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/03	20:58:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/03	20:59:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/03	22:12:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/03	22:34:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/03	22:35:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/03	23:49:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	00:00:30.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	00:01:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	01:16:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	01:32:30.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	01:33:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	02:48:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	03:09:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	03:10:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	04:17:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	04:46:30.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	04:47:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	05:30:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	05:30:26.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/01/04	05:30:30.0	AOCS_Orе-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2010/01/04	05:30:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2010/01/04	05:30:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/04	05:30:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/04	05:33:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2010/01/04	05:33:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	05:40:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	05:40:26.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/01/04	05:40:30.0	AOCS_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00
2010/01/04	05:40:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2010/01/04	05:40:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/04	05:40:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/04	05:43:28.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2010/01/04	05:43:30.5	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	05:57:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	06:24:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	06:25:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	07:38:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	08:01:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/04	08:02:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/04	09:17:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/04	09:37:00.0	XRT_Custom_420_OG [0x1a4]				

Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 8/9

2010/01/04	09:38:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	11:00:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	11:02:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	11:03:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	14:45:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	14:56:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	14:57:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	16:20:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	16:44:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	16:45:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	17:57:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	18:20:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	18:20:26.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/04	18:20:30.5	AOCs_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/01/04	18:20:46.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/01/04	18:20:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/01/04	18:20:50.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/01/04	18:23:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2010/01/04	18:23:30.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	18:30:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	18:30:26.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/04	18:30:30.0	AOCs_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2010/01/04	18:30:46.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/01/04	18:30:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/01/04	18:30:50.0	XRT_ARS_DIS_411_OG [0x19b]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/01/04	18:33:28.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2010/01/04	18:33:30.0	XRT_CTRL_AUTO_407_OG [0x197]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	19:34:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	19:57:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	19:58:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	21:11:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	21:34:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	21:35:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/04	22:49:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/04	23:09:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/04	23:10:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/05	00:26:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/05	00:34:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/05	00:35:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/05	01:50:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/05	02:09:00.5	XRT_Custom_420_OG [0x1a4]							
2010/01/05	02:10:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/05	03:25:00.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/05	03:46:00.0	XRT_Custom_420_OG [0x1a4]							
2010/01/05	03:47:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/05	04:55:30.0	XRT_CTRL_MANU_419_OG [0x1a3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/05	05:23:30.0	XRT_Custom_420_OG [0x1a4]							
2010/01/05	05:24:30.0	XRT_CTRL_AUTO_416_OG [0x1a0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/01/05	06:06:24.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/01/05	06:06:26.0	XRT_FOCUS_POSITION_408_OG [0x198]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/01/05	06:06:30.0	AOCs_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/01/05	06:06:46.0	XRT_FLD_DIS_409_OG [0x199]							



Dec 30, 09 12:10

## XRT\_OGLIST\_0996.chk

Page 9/9

2010/01/05	06:06:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLD_DIS	1	07-F0	d9
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/05	06:06:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/05	06:09:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2010/01/05	06:09:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/05	06:16:24.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/05	06:16:26.0	XRT_FOCUS_POSITION_408_OG [0x198]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2010/01/05	06:16:30.0	AOCS_Or-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00
2010/01/05	06:16:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2010/01/05	06:16:48.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/05	06:16:50.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/05	06:19:28.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2010/01/05	06:19:30.0	XRT_CTRL_AUTO_407_OG [0x197]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/05	06:35:30.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/05	07:01:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/05	07:02:00.5	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/05	08:16:00.0	XRT_CTRL_MANU_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/05	08:38:00.0	XRT_Custom_420_OG [0x1a4]				
2010/01/05	08:39:00.0	XRT_CTRL_AUTO_416_OG [0x1a0]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/05	09:00:01.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/05	09:00:03.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2010/01/05	09:00:05.0	XRT_FLRCTRL_DIS_410_OG [0x19a]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2010/01/05	09:00:07.0	XRT_ARS_DIS_411_OG [0x19b]	MDP_XRT_ARS_DIS	1	07-F0	d5
2010/01/05	09:02:45.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2010/01/05	09:02:47.0	XRT_CTRL_AUTO_447_OG [0x1bf]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2010/01/05	09:03:47.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2010/01/05	09:58:00.0	AOCS_Or-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00