

XRT Timeline to be uploaded on 2008/12/27

Period: 2008/12/27 09:48:00 - 2009/01/04 09:52:00

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Normal mode

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XOB #162D: Full Sun - CME Watch - C/Poly + Thin-Be + Med-Be - 4x4 - AEC2													
Term	Pointing (x, y)					Comment							
12/27 10:18:02 - 12/27 17:59:54	Fixed (-830.0, -450.0)					# OP start + 10min upcoming AR							
PROG= 09 Inf.-time(s)													
└─ Subr= 1 4-time(s) 480.0sec													
└─ Seqn= 22 1-time(s) 60.0sec													
	C-poly/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
└─ Seqn= 91 1-time(s) 60.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	4.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
└─ Seqn= 65 1-time(s) 60.0sec													
	med-Be/Open	med-Be/Open	close	Safe	Norm	22.6s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
└─ Subr= 2 1-time(s) 60.0sec													
└─ Seqn= 60 1-time(s) 30.0sec													
	C-poly/Open	C-poly/Open	close	Safe	Dark	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #162E: Synoptic Q95 2x2 - Al/poly(181/4096) + Dark cal(256 Q98) + Ti-poly(256/8192) + G-band(16)													
Term	Pointing (x, y)					Comment							
12/27 18:03:00 - 12/27 18:09:54	Fixed (0.0, 0.0)					synoptic							
12/28 18:02:30 - 12/28 18:09:24	Fixed (0.0, 0.0)					synoptic, shifted -0.5 min							
12/29 17:50:30 - 12/29 17:57:24	Fixed (0.0, 0.0)					synoptic, shifted -12.5 min							
PROG= 05 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 59 1-time(s) 4.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 49 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 44 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 92 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1630: Al/poly 384FOV Q95 - 60s-cad - Ti/poly + Thin-Be context - AEC1													
Term	Pointing (x, y)					Comment							
12/27 18:12:02 - 12/28 06:10:54	Track (-830.0, -450.0) ^{Ⓢ 12/27 18:10:00}					# upcoming AR							
12/28 06:24:00 - 12/28 17:34:00	Track (-799.0, -445.7) ^{Ⓢ 12/28 06:21:00}					# upcoming AR							
12/28 18:12:30 - 12/29 05:44:54	Track (-759.1, -441.6) ^{Ⓢ 12/28 18:09:30}					# upcoming AR							
12/29 05:58:00 - 12/29 17:47:24	Track (-710.2, -437.6) ^{Ⓢ 12/29 05:55:00}					# upcoming AR							
12/29 18:04:30 - 12/30 05:59:54	Track (-651.3, -433.5) ^{Ⓢ 12/29 17:57:30}					# upcoming AR							
PROG= 17 Inf.-time(s)													
└─ Subr= 1 30-time(s) 60.0sec													
└─ Seqn= 26 1-time(s) 30.0sec													
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
└─ Subr= 2 1-time(s) 4.0sec													
└─ Seqn= 21 2-time(s) 4.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Dark	22.6s	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	

XOB #162F: Synoptic Q95 2x2 - Al/mesh(128/4096) + Dark cal(256 Q98) + Ti-poly(256/8192) + G-band(16)													
Term	Pointing (x, y)					Comment							
12/28 06:14:00 - 12/28 06:20:54	Fixed (0.0, 0.0)					synoptic, shifted 11.0 min							
12/29 05:48:00 - 12/29 05:54:54	Fixed (0.0, 0.0)					synoptic, shifted -15.0 min							
12/30 06:03:00 - 01/04 09:52:00	Fixed (0.0, 0.0)					synoptic							
PROG= 10 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 25 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 50 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 44 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 92 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

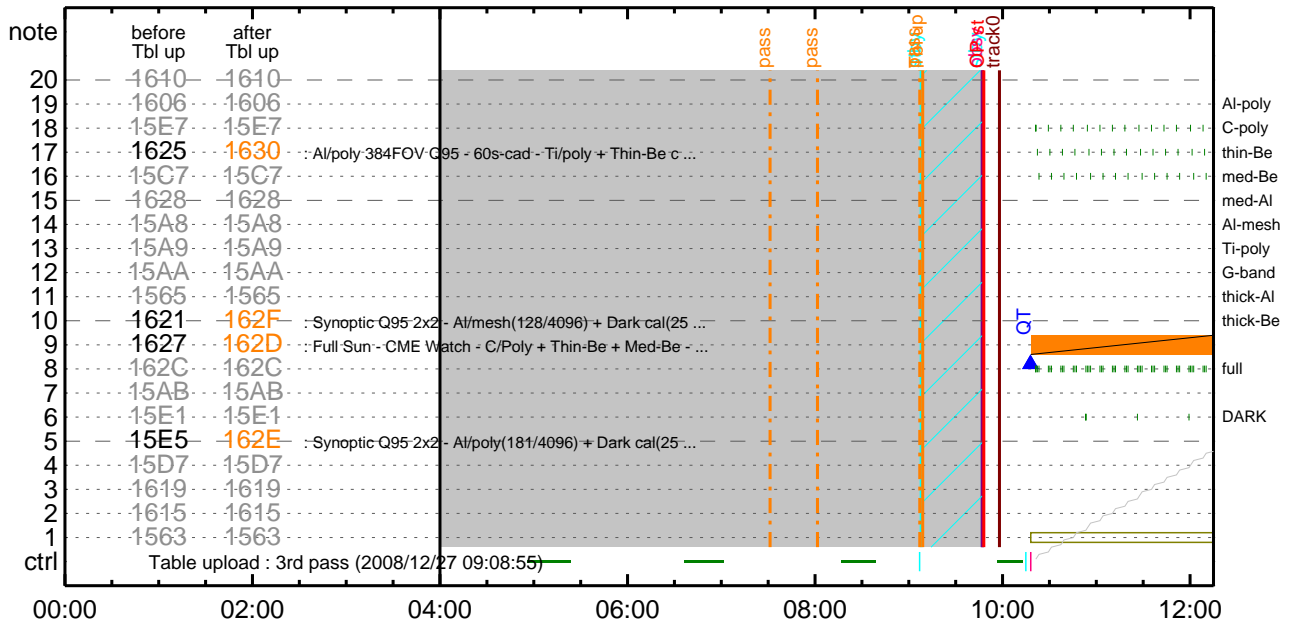
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Flare Detection

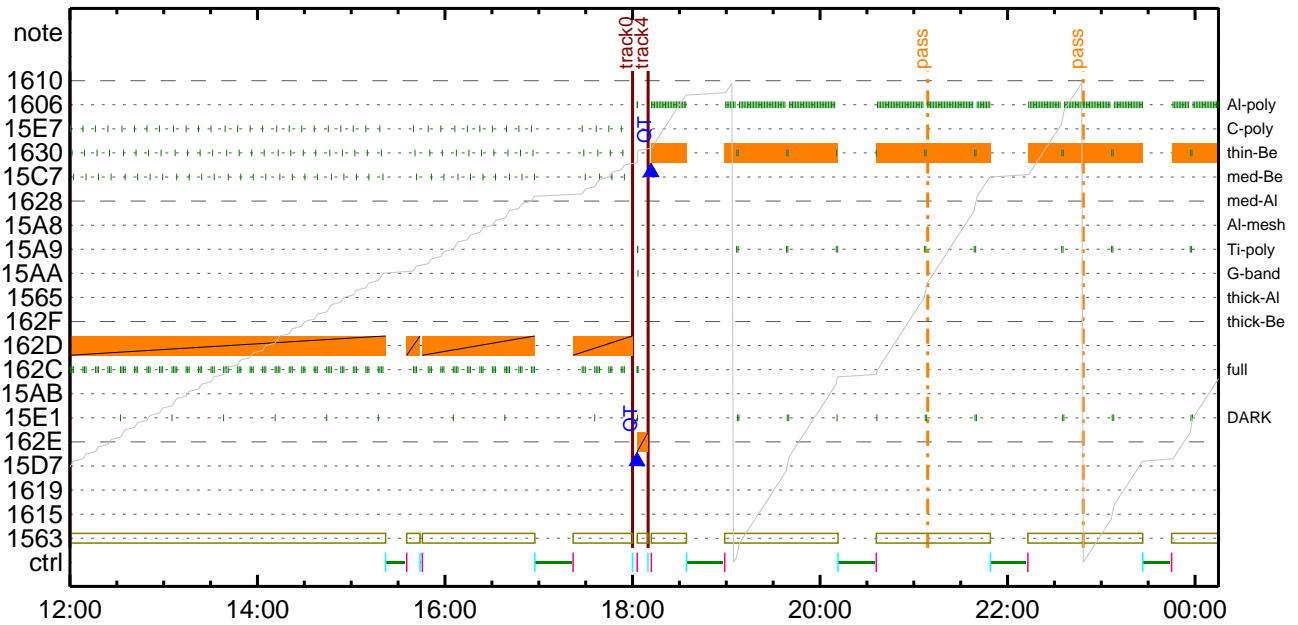
* * * * *

NOT USED

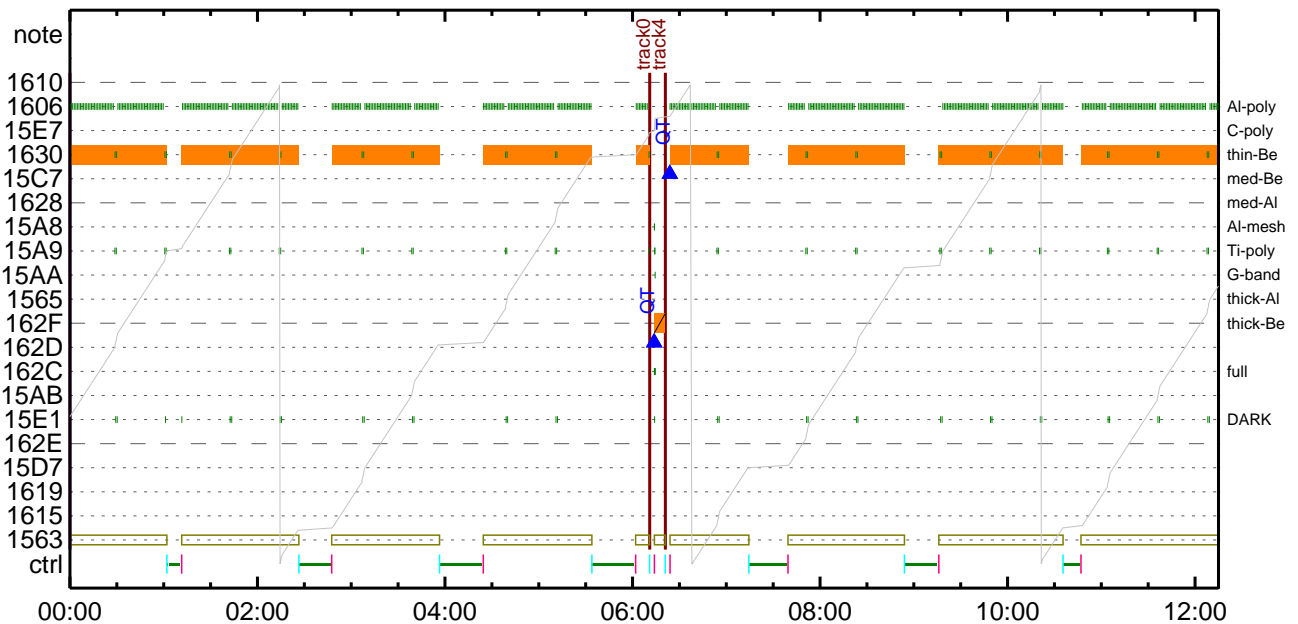
CMDI #0318 2008/12/27



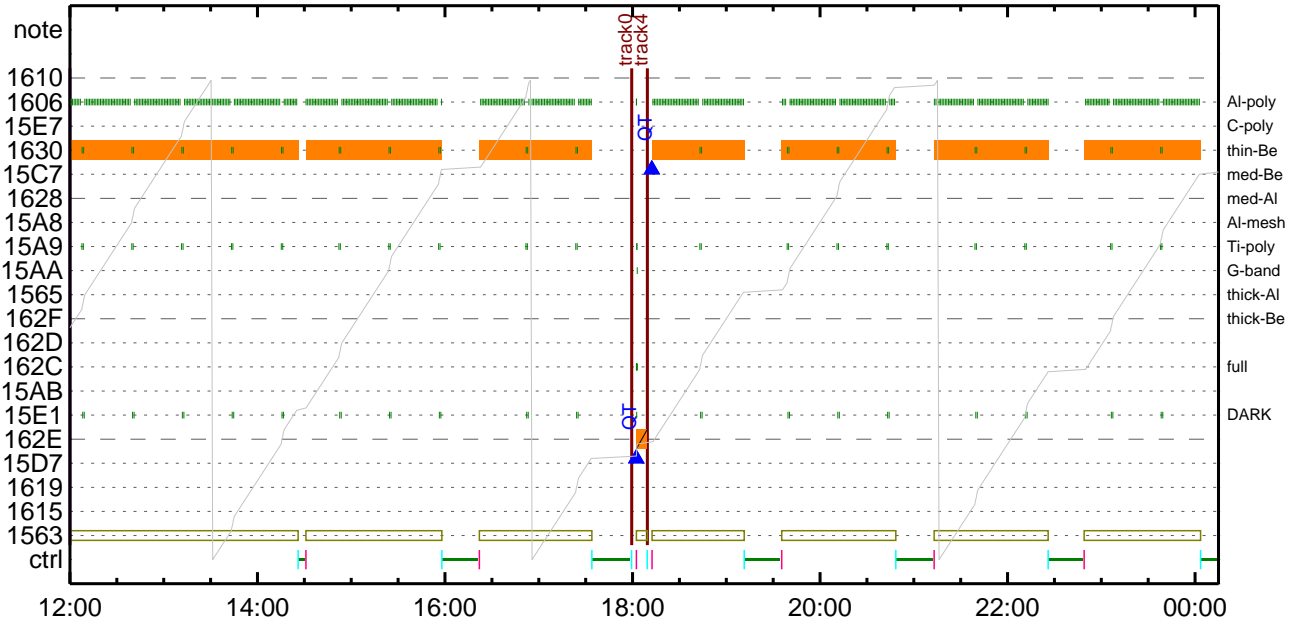
CMDI #0318 2008/12/27



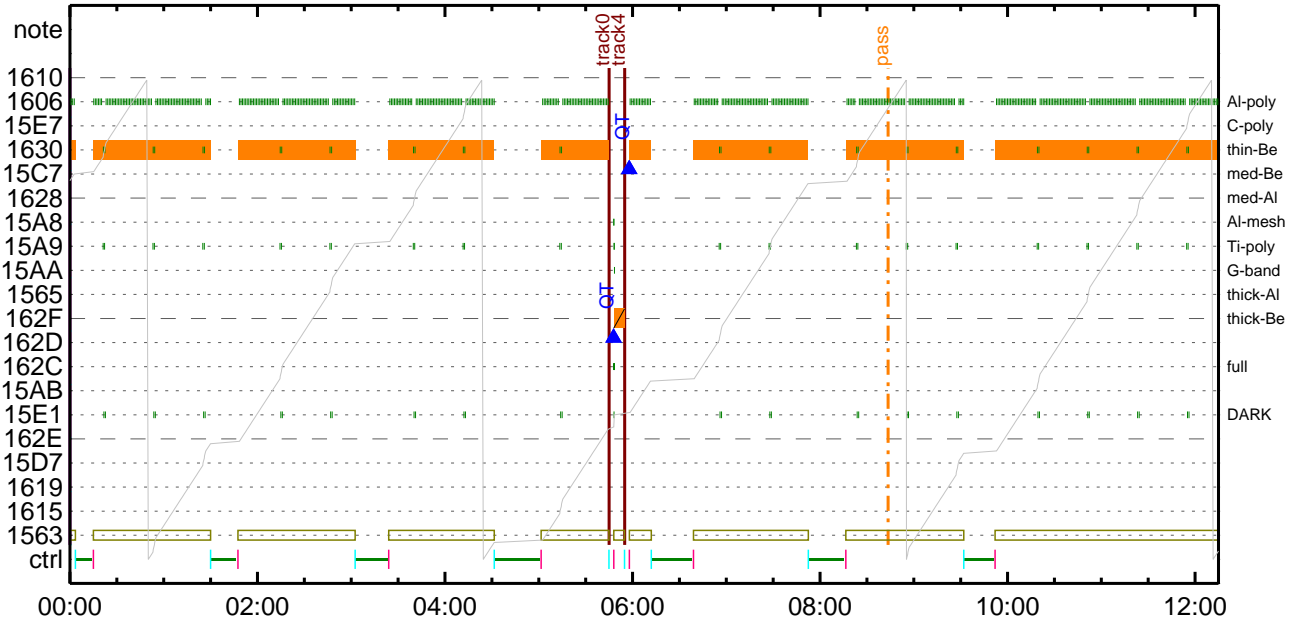
CMDI #0318 2008/12/28



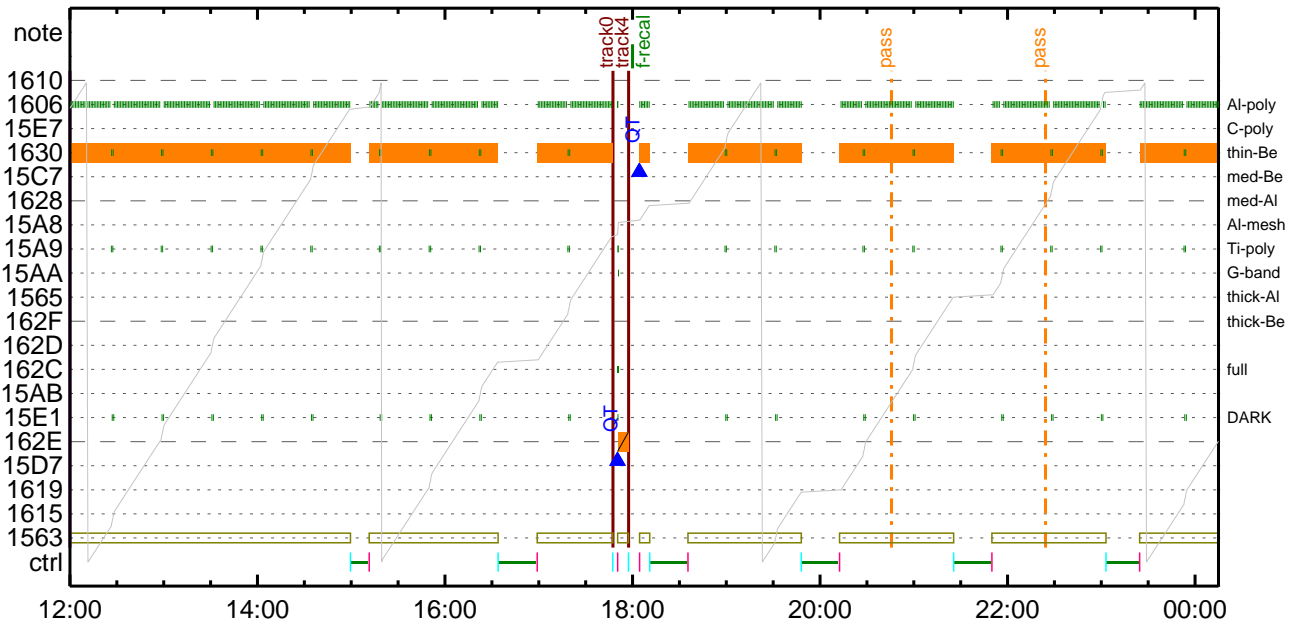
CMDI #0318 2008/12/28



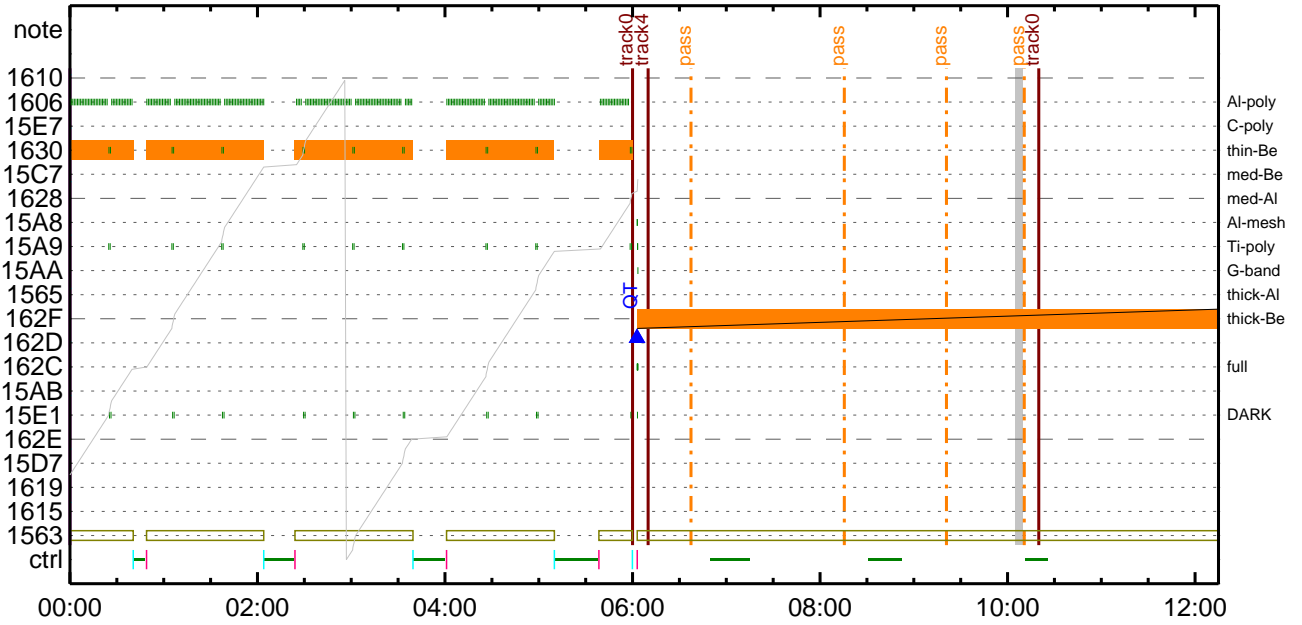
CMDI #0318 2008/12/29



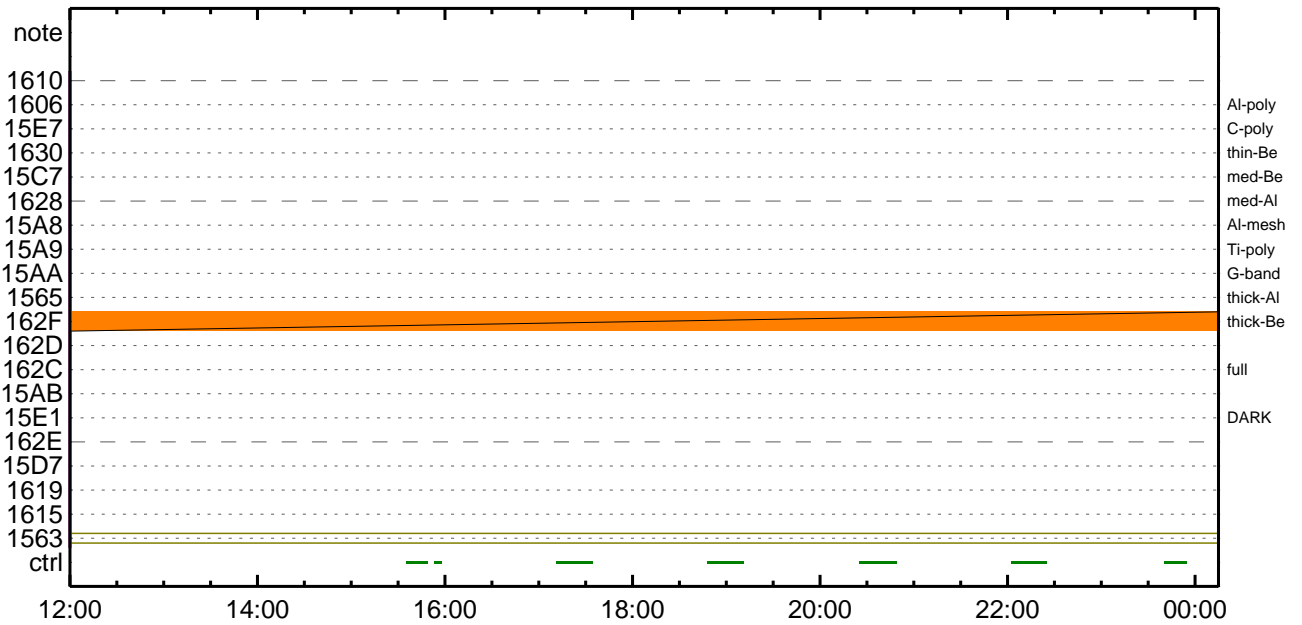
CMDI #0318 2008/12/29



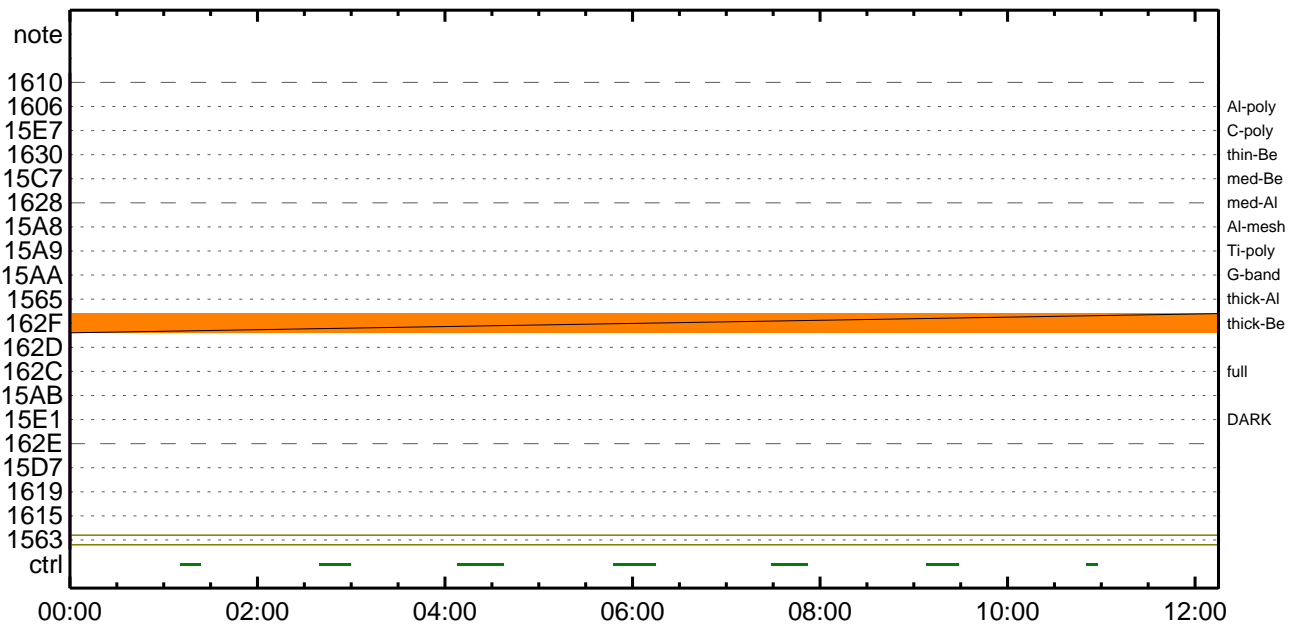
CMDI #0318 2008/12/30



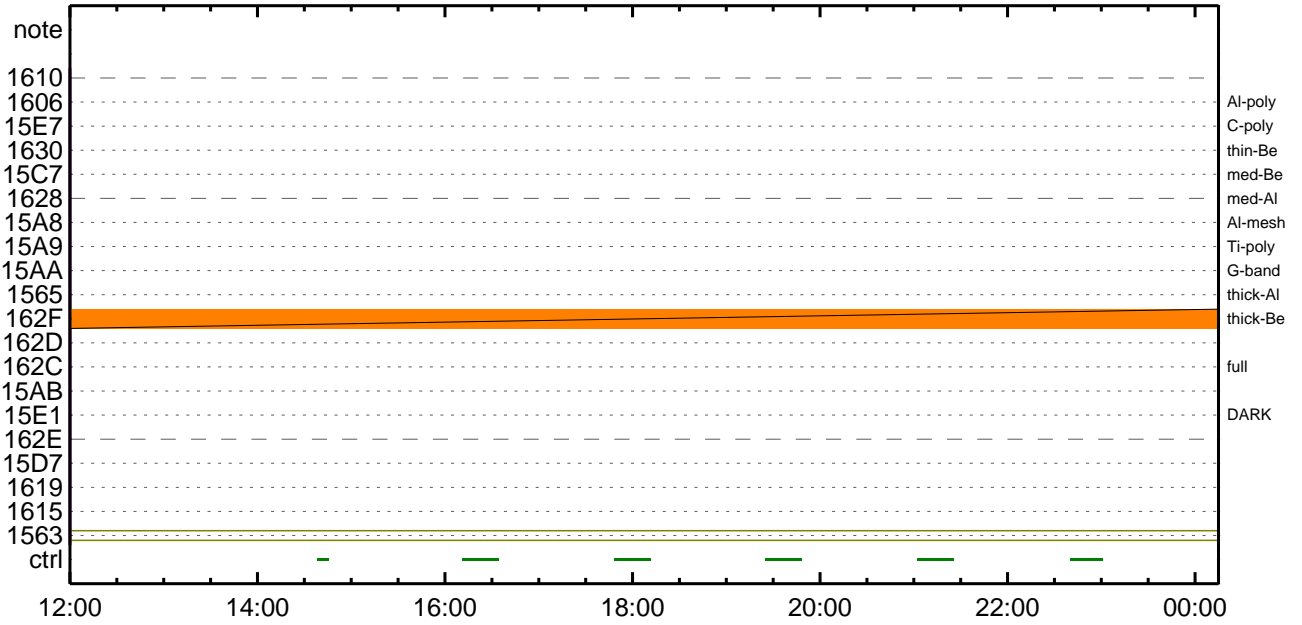
CMDI #0318 2008/12/30



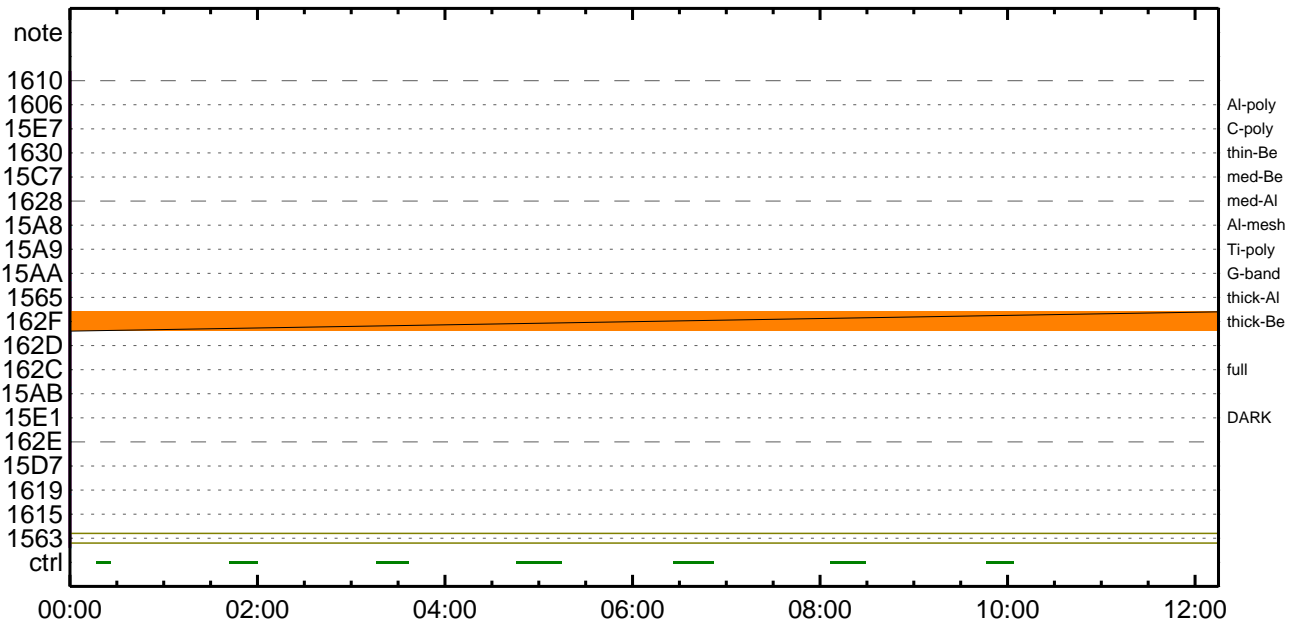
CMDI #0318 2008/12/31



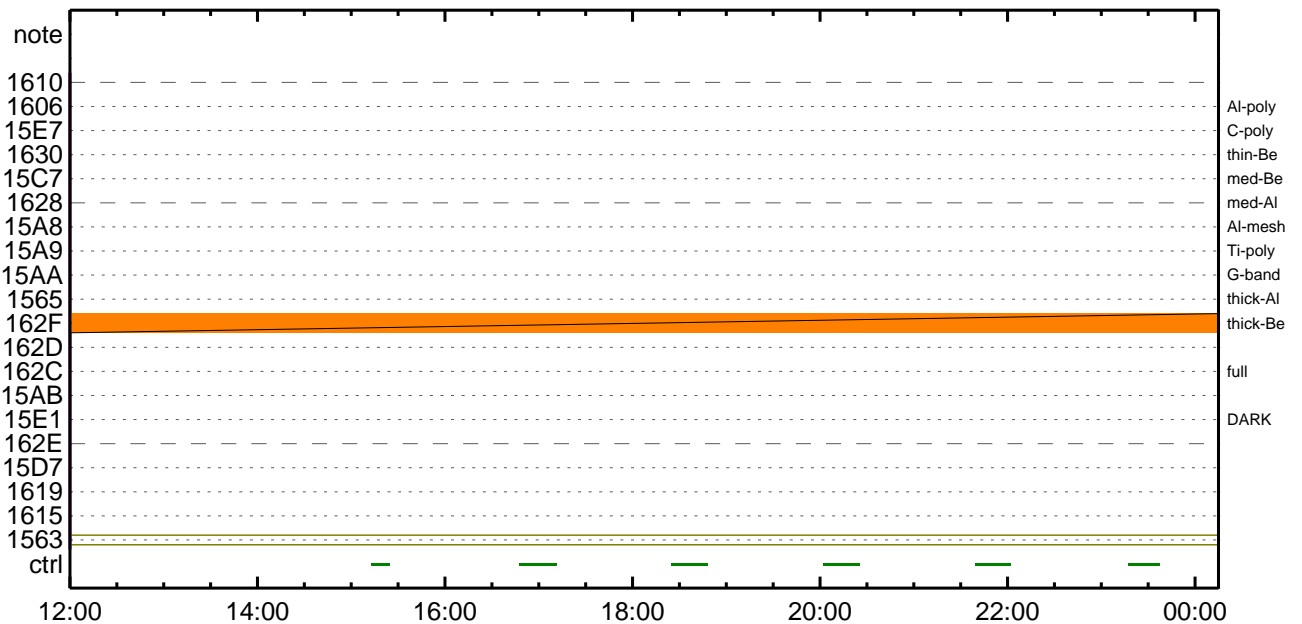
CMDI #0318 2008/12/31



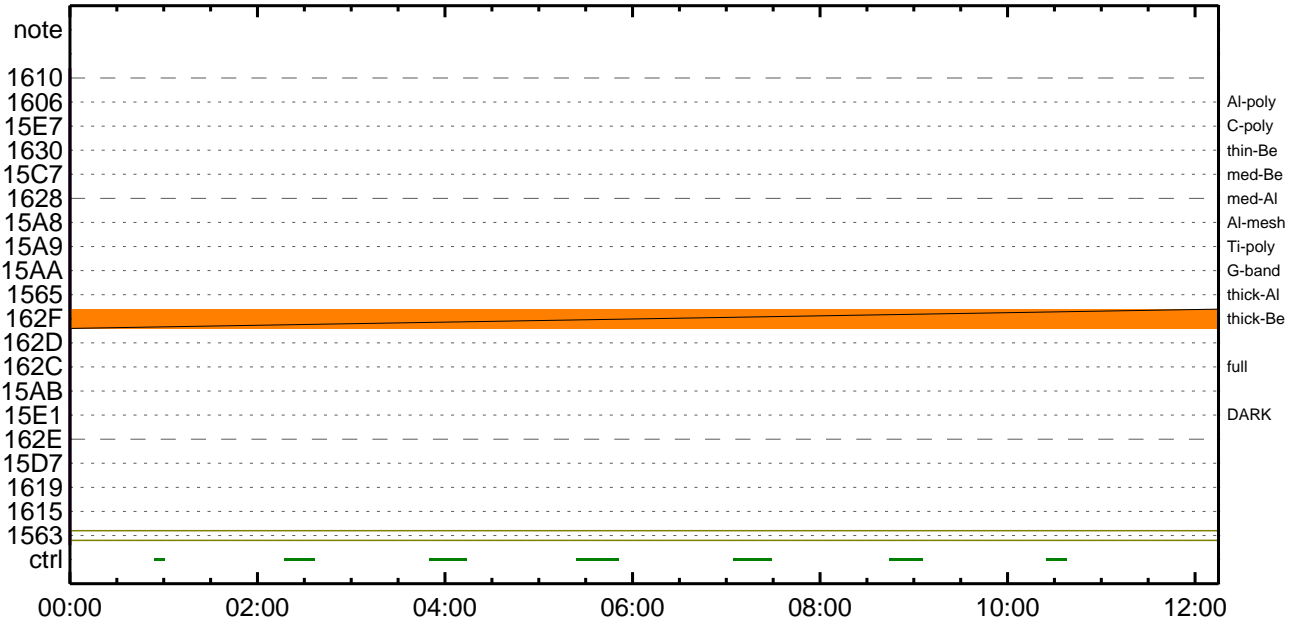
CMDI #0318 2009/01/01



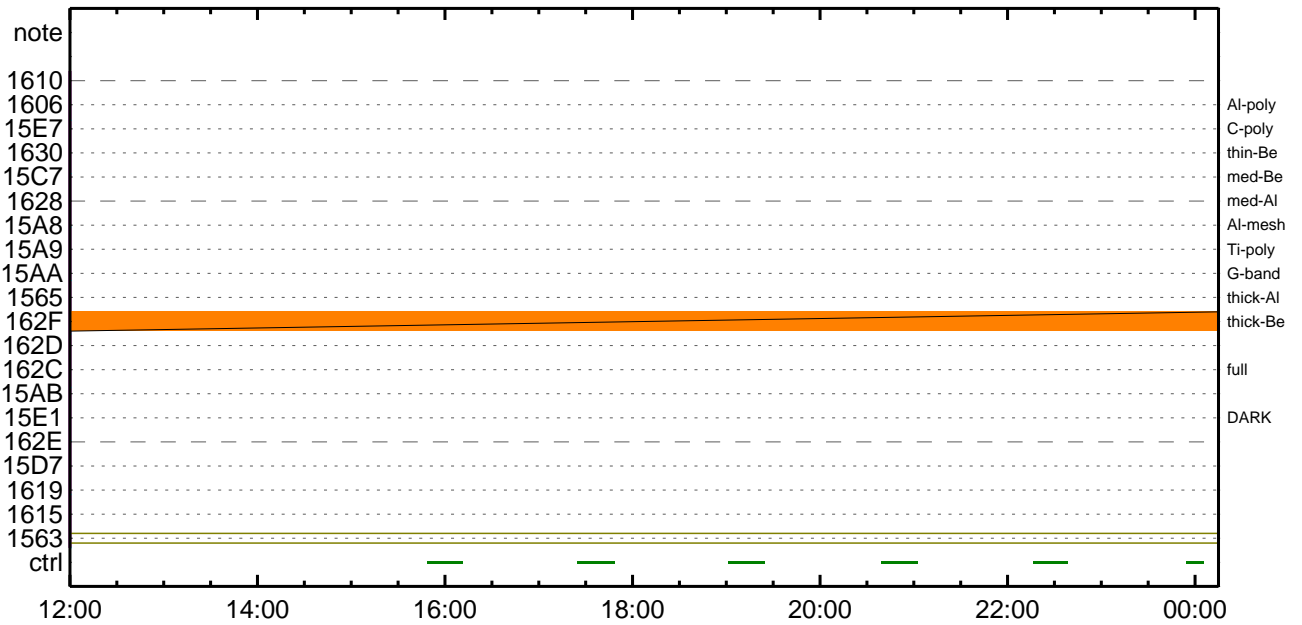
CMDI #0318 2009/01/01



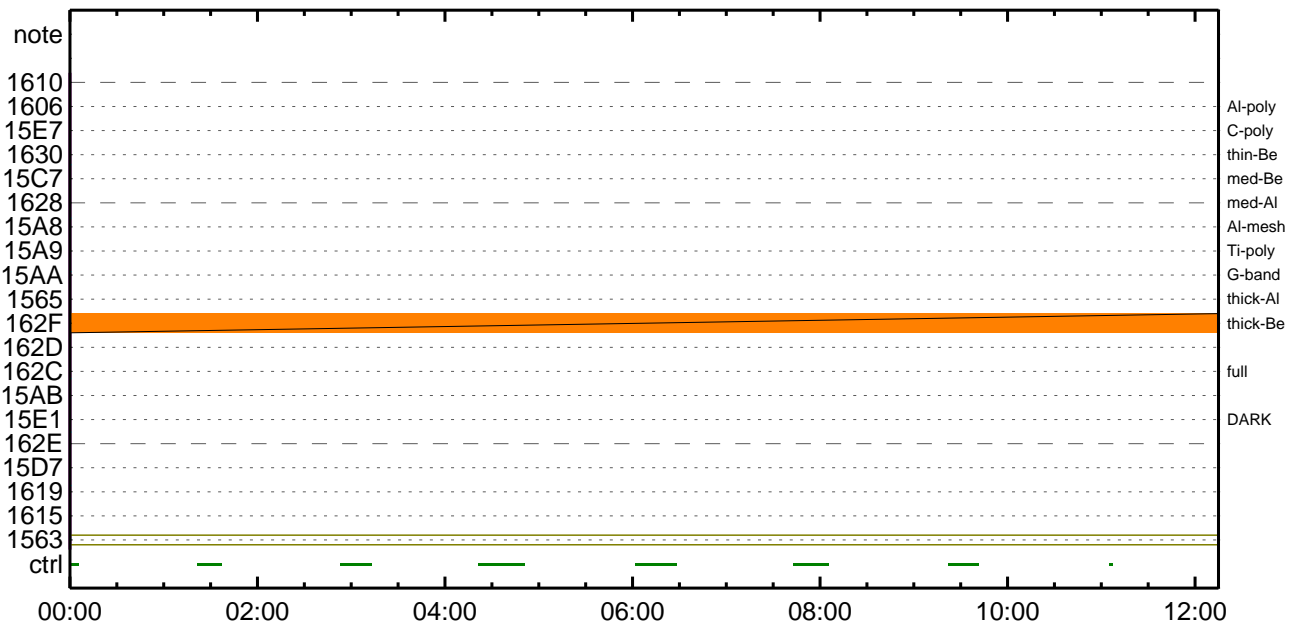
CMDI #0318 2009/01/02



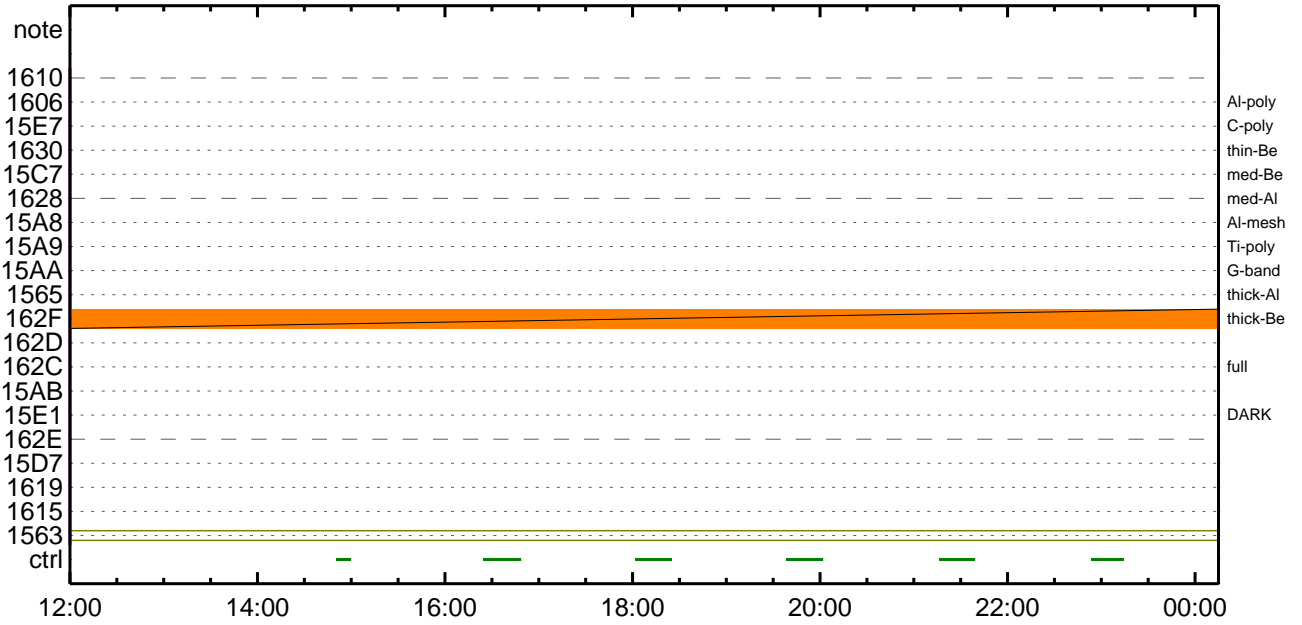
CMDI #0318 2009/01/02



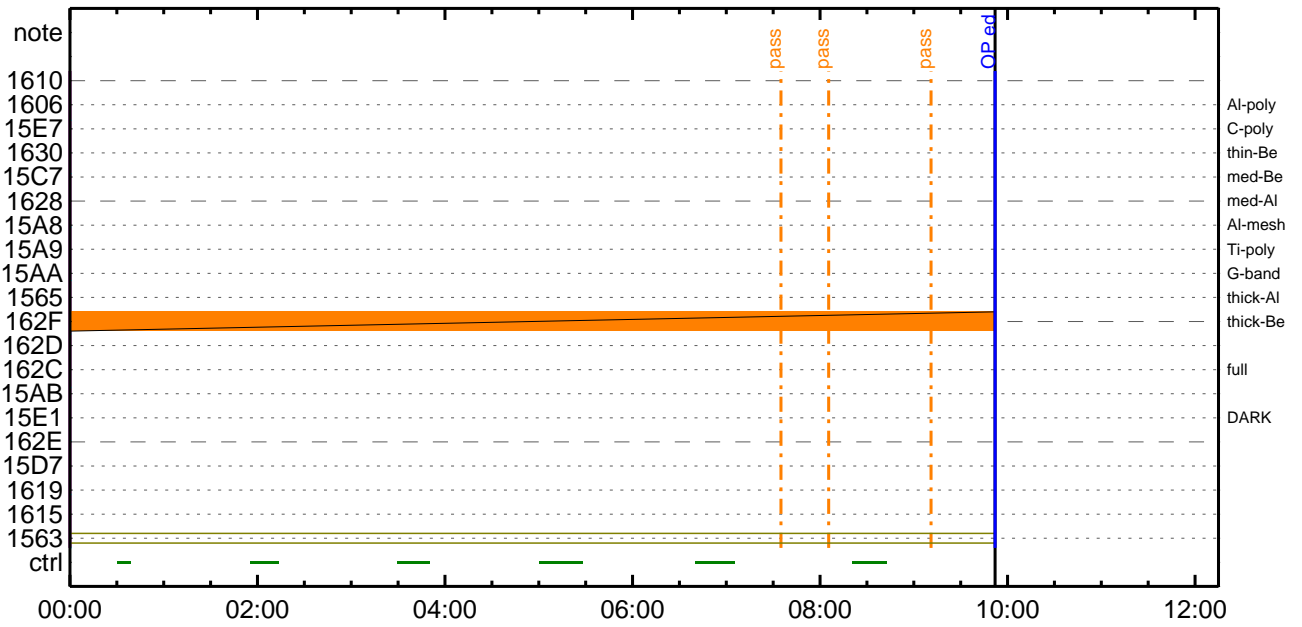
CMDI #0318 2009/01/03



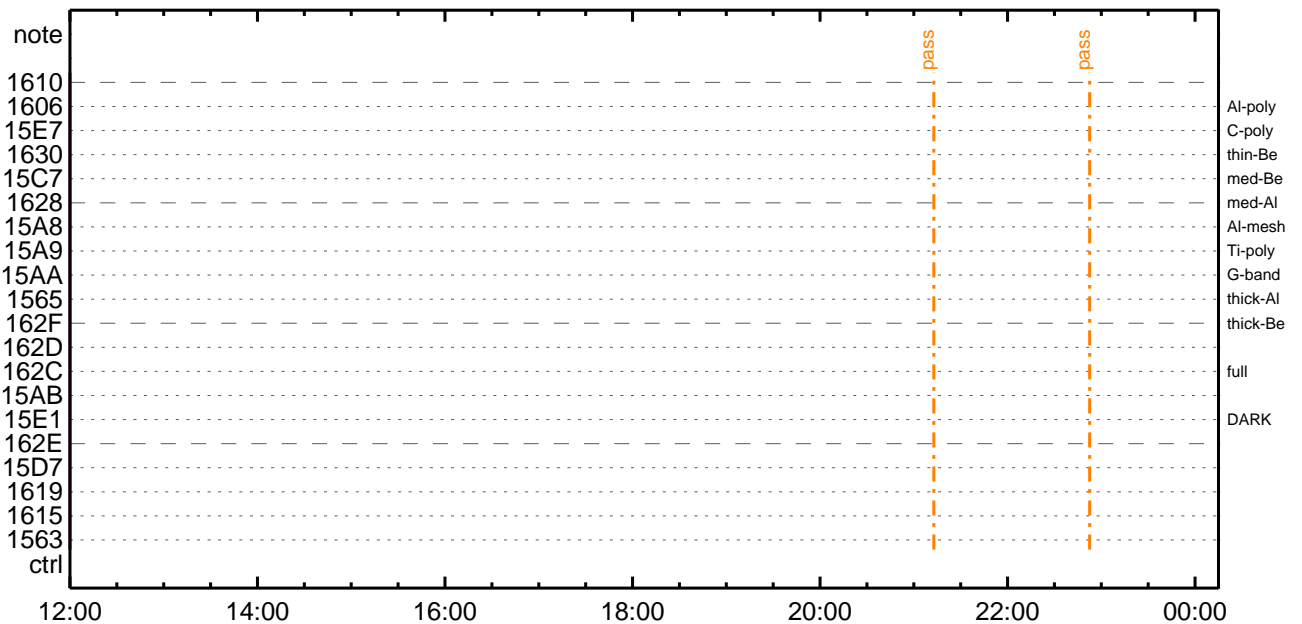
CMDI #0318 2009/01/03



CMDI #0318 2009/01/04



CMDI #0318 2009/01/04




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-319:OP
0104 ( )
0105 S. OG og-319:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOXx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOXx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½Ã´¶Á°òEÉ-ò°Á÷¿@ (¼âµ-YAYOXx½ê½çòðÁÓÆòÇ¼ª°²òE¼î¹çòÇòâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yî;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î½î¹ç;ç°E²¼òî½TI-CMDÁ÷¿@²î½Á¹Ô²°²E²ò²³òE;f
0180 C. ²²ò¿;çSET²E²DUMP²î½±°îYNY¹²ç¹Ô²|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2008-12-27 09:43:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2008-12-27 09:43:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2008-12-27 09:43:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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(a) Spacecraft Operation Procedure (real-commands)

```
main-320 2008-12-27 12:31:29 82 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFÝÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µÁß•µ°Æ»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈßE¼°ÇÔß•¾¿l¹çµÍ;çÀ®, ù¹æßßßçÁ+¿®ß•ßÈßßßßßÈ;f
0011 +. DC 02-8E AOCU_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 AOCU_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 AOCSDUMP 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 AOCU_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 15s
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-820: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 2008-12-27 09:47:50.0
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 `ûÁîôî»ó¼YóÈÁß¹æÈDCBC•x²è *****
0069 C. (¼á°íYÓYÁYÈYÞYÉYáYçYÈß¼µ¼Á»Û¹æ)
0070 . S. DC-BC dcbc-402:DCBC
0071 (MDP_known_event)
0072 C.
0073 C.
0074 . C. ***** YDÝ¹.İ Daily±¿ÍÑæÈ´Ø¹æÈDCBC•x²è *****
0075 . S. DC-BC dcbc-153:DCBC
0076 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0077 C.
0078 C.
0079 . C. ;ãLOSÁYŞYÁY-¼Á»Û;ã
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-269: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 2008-12-27 09:47:18.0
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 06 06)
0160 + DC 07-F0 MDP_XRT_ROI_SET
0161 BC (cd 0f 80 80 04 04)
0162 + DC 07-F0 MDP_XRT_ROI_SET
0163 BC (cd 10 80 80 10 10)
0164 . C. ----- Success Verify ? OK / NG ____
0165 C.
0166 C.
0167 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0168 C.
0169 +. TI 2008-12-27 09:47:02.0
0170 DC 07-F0 MDP_XRT_MODE_OBSV
0171 BC (c2)
0172 . C. ----- Success Verify ? OK / NG ____
0173 C.
0174 C. ***** XRT END *****
0175 C.
0176 . C. ***** MDP 'uAÎqî»ö%ÝðEÄÐa¹æDCBC•x²è *****
0177 C. (%ã°ï¥ÖÄ¥E¥P¥E¥á¥ç¥èE%¼aa¼Ä»Ûa¹æ)
0178 . S. DC-BC dcbc-402:DCBC
0179 (MDP_known_event)
0180 C.
0181 C.
0182 . C. ***** ¥Ð¥¹•İ Daily±¿İÑaÉ'Øa¹æDCBC•x²è *****
0183 . S. DC-BC dcbc-153:DCBC
0184 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0185 C.
0186 C.
0187 . C. ;ãLOS¥Á¥S¥Ä¥-¼Ä»Û;ã
0188 C.
0189 . C. ***** LOS *****
0190 C.

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*** OP Sequence for XRT ***

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2008/12/27 09:58:00.0 AOCS_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 00 28 00 49 ca
2008/12/27 10:14:54.0 XRT_CTRL_MANU_429_OG [0x1ad]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 10:17:32.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION         4 07-F8 22 ff aa 00
2008/12/27 10:17:52.0 XRT_QT_PROG_SET_407_OG [0x197]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 09
2008/12/27 10:17:54.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET          1 07-F0 d0
2008/12/27 10:17:56.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/12/27 10:17:58.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/12/27 10:18:00.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/12/27 10:18:02.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 15:22:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 15:34:30.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 15:35:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 15:44:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 15:44:30.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 15:45:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 16:57:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 17:21:00.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 17:22:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 17:59:54.0 XRT_CTRL_MANU_429_OG [0x1ad]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 18:00:00.0 AOCS_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 00 00 00 00 00
2008/12/27 18:02:32.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION         4 07-F8 22 ff aa 00
2008/12/27 18:02:52.0 XRT_QT_PROG_SET_402_OG [0x192]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 05
2008/12/27 18:02:54.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/12/27 18:02:56.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/12/27 18:02:58.0 XRT_ARS_DIS_417_OG [0x1a1]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/12/27 18:03:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 18:09:54.0 XRT_CTRL_MANU_433_OG [0x1b1]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 18:10:00.0 AOCS_OrE-point_Start_3_OG [0x099]
                        AOCU_NM                    5 02-76 04 00 00 00 00
2008/12/27 18:11:32.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION         4 07-F8 22 fe 97 00
2008/12/27 18:11:52.0 XRT_QT_PROG_SET_423_OG [0x1a7]
                        MDP_XRT_QT_PROG_SET        2 07-F0 c4 11
2008/12/27 18:11:54.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET          1 07-F0 d0
2008/12/27 18:11:56.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS            1 07-F0 d5
2008/12/27 18:11:58.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS            1 07-F0 d9
2008/12/27 18:12:00.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS        1 07-F0 c9
2008/12/27 18:12:02.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 18:34:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 18:58:00.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 18:59:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 20:11:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 20:35:00.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 20:36:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 21:49:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 22:12:00.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 22:13:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/27 23:26:30.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/27 23:44:00.0 XRT_Custom_430_OG [0x1ae]
2008/12/27 23:45:00.0 XRT_CTRL_AUTO_432_OG [0x1b0]
                        MDP_XRT_CTRL_AUTO          1 07-F0 c0
2008/12/28 01:02:00.0 XRT_CTRL_MANU_435_OG [0x1b3]
                        MDP_XRT_CTRL_MANU         1 07-F0 c1
2008/12/28 01:10:30.0 XRT_Custom_430_OG [0x1ae]
2008/12/28 01:11:30.0 XRT_CTRL_AUTO_432_OG [0x1b0]

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2008/12/28	02:26:30.0	XRT_CTRL_MANU_435_OG [0x1b3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	02:46:30.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	02:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	03:56:30.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	04:23:30.5	XRT_Custom_430_OG [0x1ae]								
2008/12/28	04:24:30.5	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	05:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	06:01:00.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	06:02:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	06:10:54.0	XRT_CTRL_MANU_429_OG [0x1ad]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	06:11:00.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00				
2008/12/28	06:13:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/12/28	06:13:52.0	XRT_QT_PROG_SET_411_OG [0x19b]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2008/12/28	06:13:54.0	XRT_FLD_DIS_419_OG [0x1a3]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/28	06:13:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/28	06:13:58.0	XRT_ARS_DIS_417_OG [0x1a1]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/28	06:14:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	06:20:54.0	XRT_CTRL_MANU_429_OG [0x1ad]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	06:21:00.0	AOCS_Ore-point_Start_3_OG [0x099]								
			AOCU_NM	5	02-76	04 00 00 00 00				
2008/12/28	06:23:32.0	XRT_FOCUS_POSITION_441_OG [0x1b9]								
			XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/12/28	06:23:52.0	XRT_QT_PROG_SET_423_OG [0x1a7]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2008/12/28	06:23:54.0	XRT_ARS_DIS_422_OG [0x1a6]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/28	06:23:56.0	XRT_FLD_DIS_445_OG [0x1bd]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/28	06:23:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/28	06:24:00.0	XRT_CTRL_AUTO_403_OG [0x193]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	07:14:30.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	07:38:30.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	07:39:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	08:54:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	09:15:00.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	09:16:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	10:35:30.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	10:46:00.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	10:47:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	14:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	14:30:00.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	14:31:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	15:58:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	16:21:00.0	XRT_Custom_430_OG [0x1ae]								
2008/12/28	16:22:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	17:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	17:59:24.0	XRT_CTRL_MANU_429_OG [0x1ad]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	17:59:30.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00 00 00 00 00				
2008/12/28	18:02:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]								
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/12/28	18:02:22.0	XRT_QT_PROG_SET_402_OG [0x192]								
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2008/12/28	18:02:24.0	XRT_FLD_DIS_419_OG [0x1a3]								
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/28	18:02:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]								
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/28	18:02:28.0	XRT_ARS_DIS_417_OG [0x1a1]								
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/28	18:02:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]								
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	18:09:24.0	XRT_CTRL_MANU_429_OG [0x1ad]								
			MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2008/12/28	18:09:30.0	AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM	5	02-76	04	00	00	00	00
2008/12/28	18:12:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/12/28	18:12:22.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2008/12/28	18:12:24.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/28	18:12:26.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/28	18:12:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/28	18:12:30.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	19:11:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	19:34:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/28	19:35:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	20:48:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	21:12:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/28	21:13:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/28	22:26:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/28	22:48:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/28	22:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	00:03:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	00:14:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	00:15:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	01:30:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	01:46:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	01:47:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	03:02:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	03:23:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	03:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	04:31:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	05:00:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	05:01:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	05:44:54.0	XRT_CTRL_MANU_429_OG [0x1ad] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	05:45:00.0	AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00	00	00	00	00
2008/12/29	05:47:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba] XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2008/12/29	05:47:52.0	XRT_QT_PROG_SET_411_OG [0x19b] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2008/12/29	05:47:54.0	XRT_FLD_DIS_419_OG [0x1a3] MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/29	05:47:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/29	05:47:58.0	XRT_ARS_DIS_417_OG [0x1a1] MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/29	05:48:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	05:54:54.0	XRT_CTRL_MANU_429_OG [0x1ad] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	05:55:00.0	AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM	5	02-76	04	00	00	00	00
2008/12/29	05:57:32.0	XRT_FOCUS_POSITION_441_OG [0x1b9] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2008/12/29	05:57:52.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2008/12/29	05:57:54.0	XRT_ARS_DIS_422_OG [0x1a6] MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/29	05:57:56.0	XRT_FLD_DIS_445_OG [0x1bd] MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/29	05:57:58.0	XRT_FLRCTRL_DIS_416_OG [0x1a0] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/29	05:58:00.0	XRT_CTRL_AUTO_403_OG [0x193] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	06:12:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	06:38:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	06:39:00.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	07:52:30.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	08:15:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	08:16:30.0	XRT_CTRL_AUTO_432_OG [0x1b0] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	09:32:00.0	XRT_CTRL_MANU_435_OG [0x1b3] MDP_XRT_CTRL_MANU	1	07-F0	c1				

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2008/12/29	09:51:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	09:52:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	14:59:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	15:10:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	15:11:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	16:34:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	16:58:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	16:59:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	17:47:24.0	XRT_CTRL_MANU_429_OG [0x1ad]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	17:47:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/12/29	17:50:02.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2008/12/29	17:50:22.0	XRT_QT_PROG_SET_402_OG [0x192]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 05				
2008/12/29	17:50:24.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/29	17:50:26.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/29	17:50:28.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/29	17:50:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	17:57:24.0	XRT_CTRL_MANU_429_OG [0x1ad]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	17:57:30.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2008/12/29	18:00:02.0	XRT_FOCUS_RECALIBRATE_418_OG [0x1a2]							
		XRT_FOCUS_RECAL	2	07-F8	78 00				
2008/12/29	18:04:02.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2008/12/29	18:04:22.0	XRT_QT_PROG_SET_423_OG [0x1a7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2008/12/29	18:04:24.0	XRT_ARS_DIS_422_OG [0x1a6]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/29	18:04:26.0	XRT_FLD_DIS_445_OG [0x1bd]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/29	18:04:28.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/29	18:04:30.0	XRT_CTRL_AUTO_403_OG [0x193]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	18:11:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	18:34:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	18:35:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	19:48:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	20:11:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	20:12:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	21:25:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	21:49:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	21:50:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/29	23:03:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/29	23:23:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/29	23:24:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	00:40:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/30	00:48:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/30	00:49:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	02:04:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/30	02:23:00.0	XRT_Custom_430_OG [0x1ae]							
2008/12/30	02:24:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	03:39:30.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/30	04:00:01.0	XRT_Custom_430_OG [0x1ae]							
2008/12/30	04:01:01.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	05:10:00.0	XRT_CTRL_MANU_435_OG [0x1b3]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/30	05:37:30.0	XRT_Custom_430_OG [0x1ae]							
2008/12/30	05:38:30.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	05:59:54.0	XRT_CTRL_MANU_429_OG [0x1ad]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2008/12/30	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2008/12/30	06:02:32.0	XRT_FOCUS_POSITION_442_OG [0x1ba]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				

2008/12/30	06:02:52.0	XRT_QT_PROG_SET_411_OG [0x19b]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2008/12/30	06:02:54.0	XRT_FLD_DIS_419_OG [0x1a3]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2008/12/30	06:02:56.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2008/12/30	06:02:58.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2008/12/30	06:03:00.0	XRT_CTRL_AUTO_432_OG [0x1b0]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2008/12/30	06:10:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	04	00	00	00	00
2008/12/30	10:20:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00