

# XRT Timeline to be uploaded on 2009/01/27

Period: 2009/01/27 10:00:00 - 2009/01/31 10:50:00

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## Normal mode

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<b>XOB #15E7: HOP81 - Al/poly, G-band - 16s - 384x384</b>												
Term	Pointing (x, y)				Comment							
01/27 10:15:33 - 01/27 17:49:24	Fixed ( 0.0, -940.0)				# OP start + 10min Obs south pole for HOP 81, and CH obs.							
01/27 18:05:17 - 01/28 05:59:54	Fixed ( 0.0, -940.0)				# Cont south pole obs							
<b>PROG= 06 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 1 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 99 30-time(s) 60.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

<b>XOB #15A3: Synoptic Q95 2x2 - Al/poly(512/5795) + Dark cal(512 Q98) + Ti-poly(723/11571) + G-band(16)</b>												
Term	Pointing (x, y)				Comment							
01/27 17:51:30 - 01/27 18:04:45	Fixed ( 0.0, 0.0)				synoptic, shifted -10.5 min							
01/28 06:02:00 - 01/28 06:15:20	Fixed ( 0.0, 0.0)				synoptic							
01/28 17:55:00 - 01/28 18:08:20	Fixed ( 0.0, 0.0)				synoptic, shifted -6.5 min							
01/29 06:28:00 - 01/31 10:50:00	Fixed ( 0.0, 0.0)				synoptic, shifted 26.5 min							
<b>PROG= 07 1-time(s)</b>												
└─ Subr= 1 1-time(s) 12.0sec												
└─ Seqn= 36 1-time(s) 4.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 6 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
└─ Seqn= 88 1-time(s) 4.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 92 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

<b>XOB #157A: Multi-filter - 8x8 + 2x2 - 2048FOV - AEC1 Q90</b>												
Term	Pointing (x, y)				Comment							
01/28 06:15:52 - 01/28 17:52:54	Track ( -83.2, -0.9) @ 01/28 06:10:00				# Disk center tracking, EIS study for bright points, blinkers, etc.							
<b>PROG= 20 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 210.0sec												
└─ Seqn= 42 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	8x8	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
C-poly/Open	C-poly/Open	close	Safe	Norm	250ms	Obs	8x8	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	Obs	8x8	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└─ Subr= 2 1-time(s) 60.0sec												
└─ Seqn= 30 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Dark	500ms	Obs	2x2	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

<b>XOB #1454: CH Jets - Al/poly - 32s exp - FOV512</b>												
Term	Pointing (x, y)				Comment							
01/28 18:08:52 - 01/28 23:00:00	Fixed ( 0.0, -940.0)				# South pole obs, CH observations.							
<b>PROG= 16 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 32.0sec												
└─ Seqn= 19 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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## Flare mode

\* \* \* \* \*

NOT USED

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## Active Region Search

\* \* \* \* \*

NOT USED

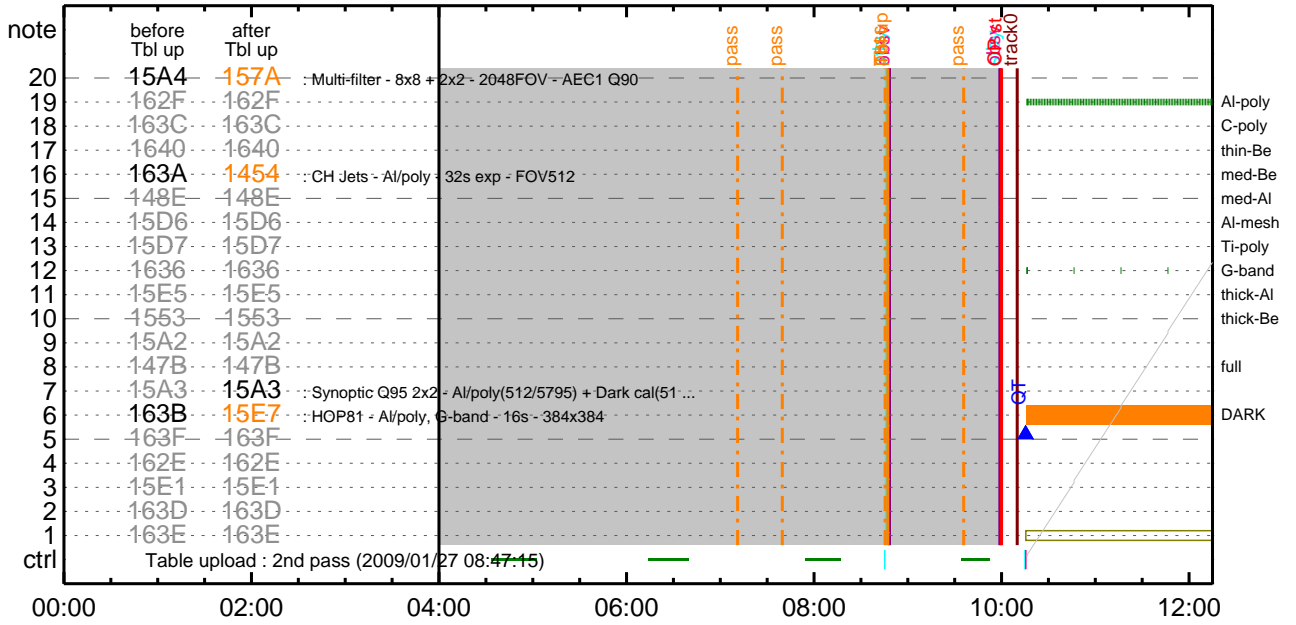
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## Flare Detection

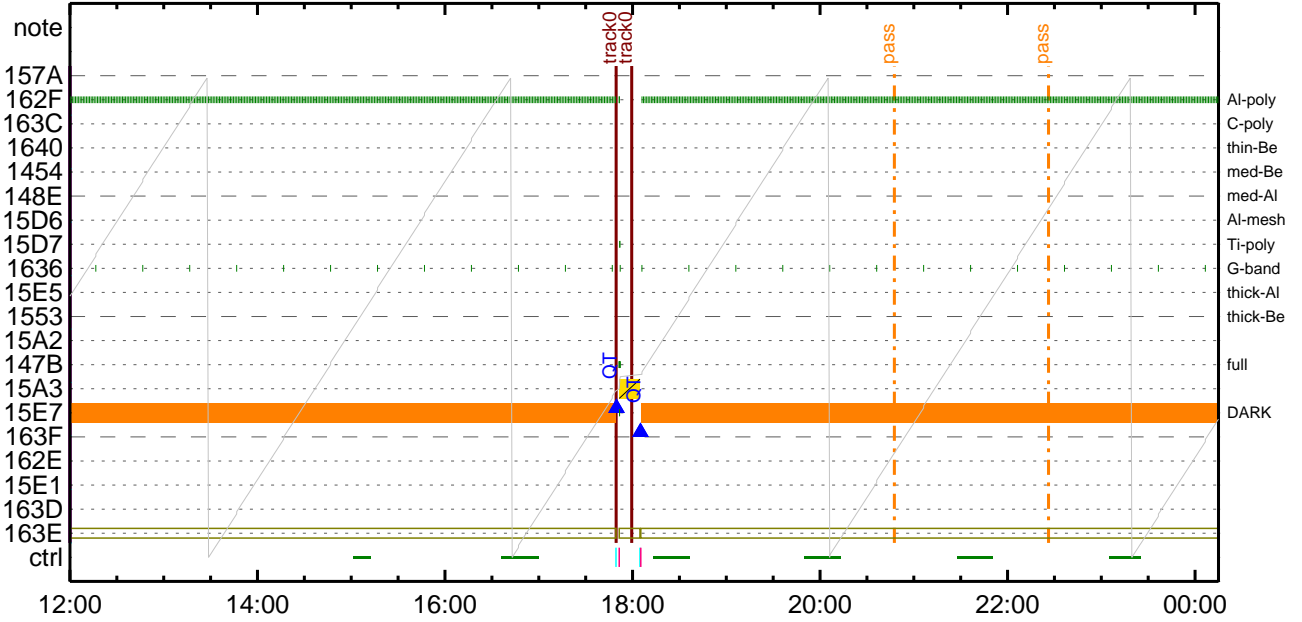
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NOT USED

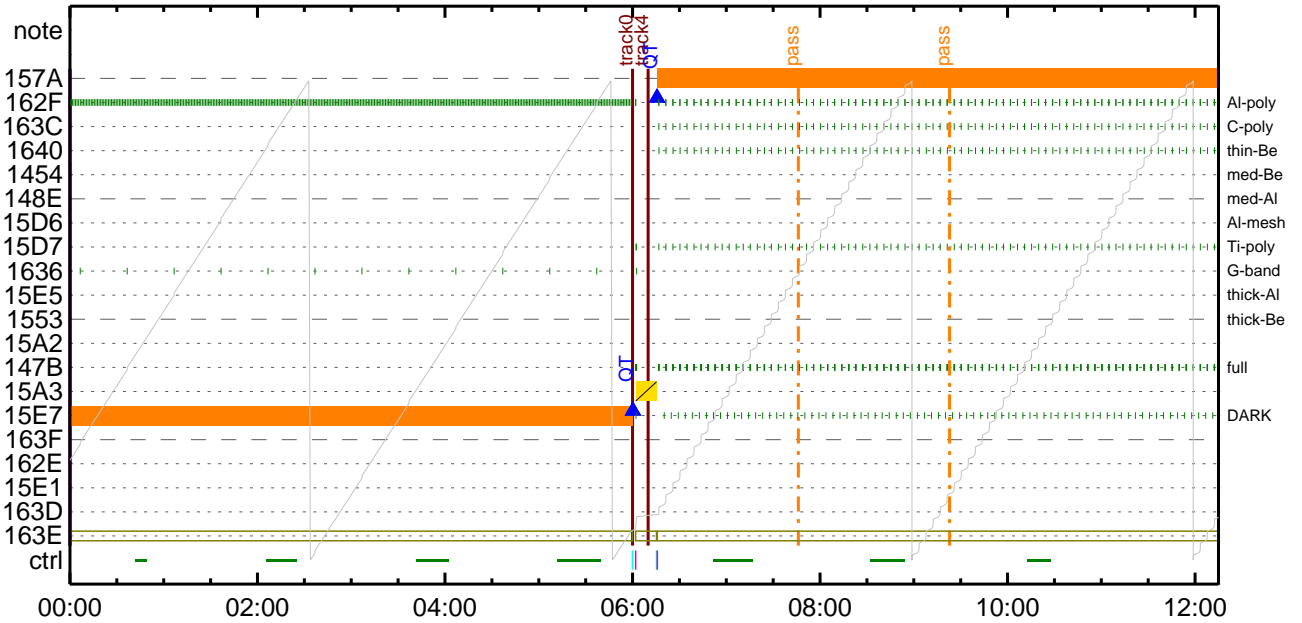
### CMDI #0370 2009/01/27



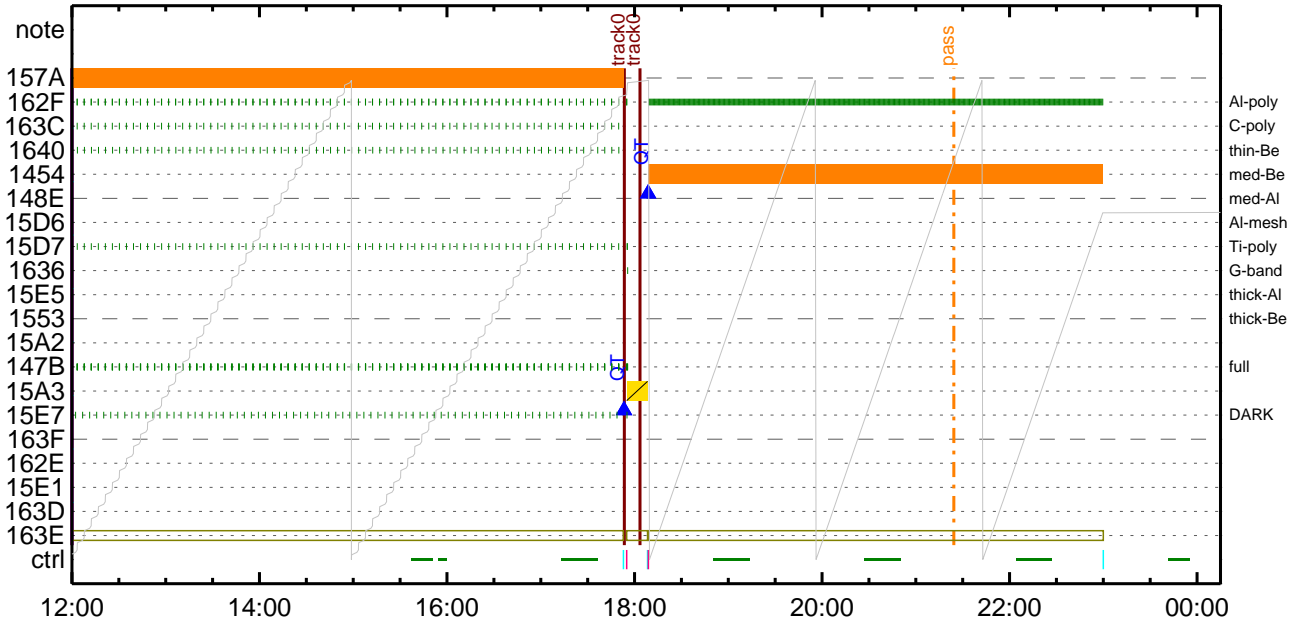
### CMDI #0370 2009/01/27



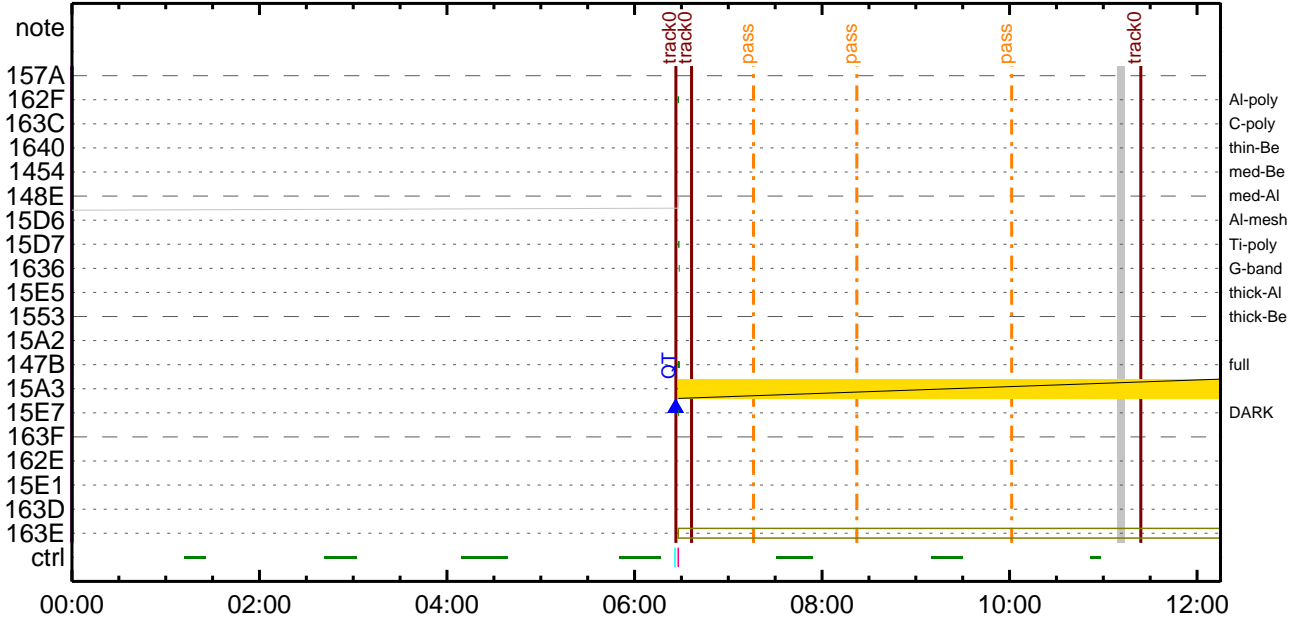
### CMDI #0370 2009/01/28



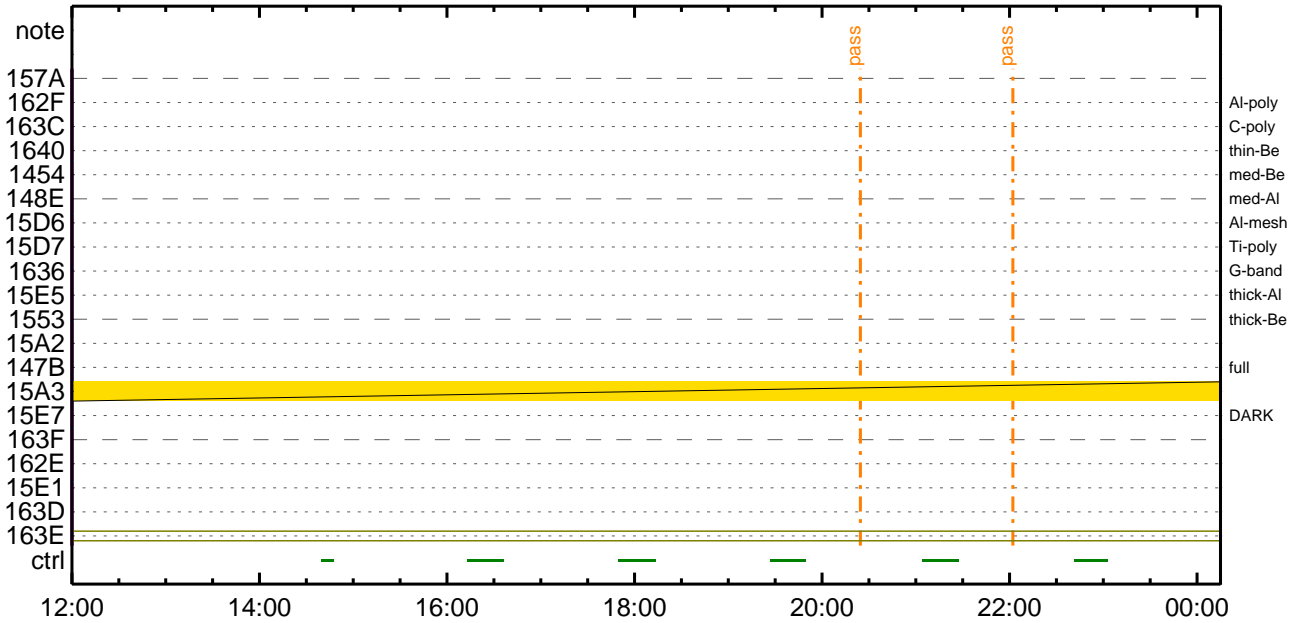
### CMDI #0370 2009/01/28



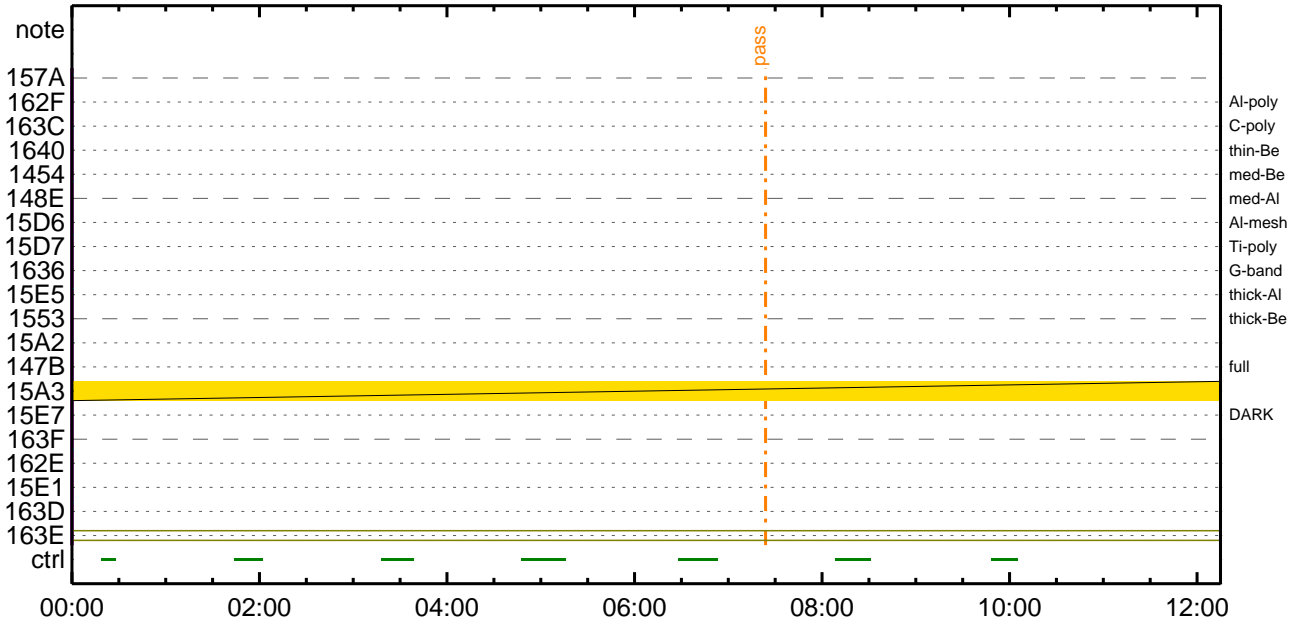
### CMDI #0370 2009/01/29



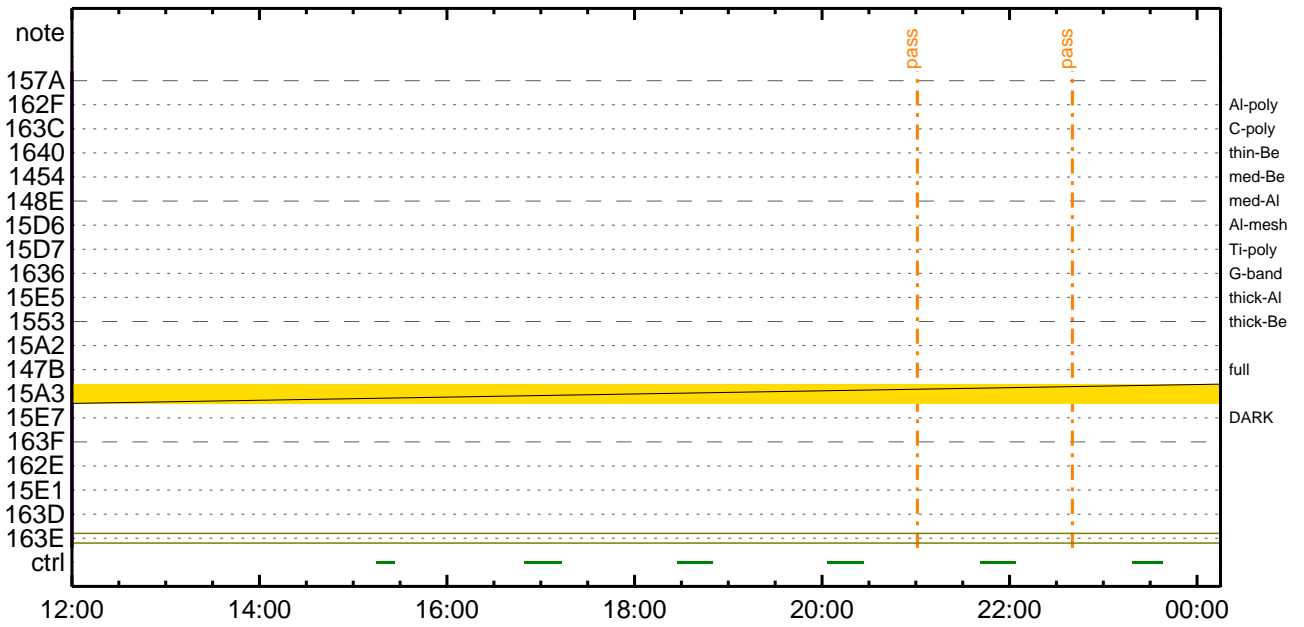
### CMDI #0370 2009/01/29



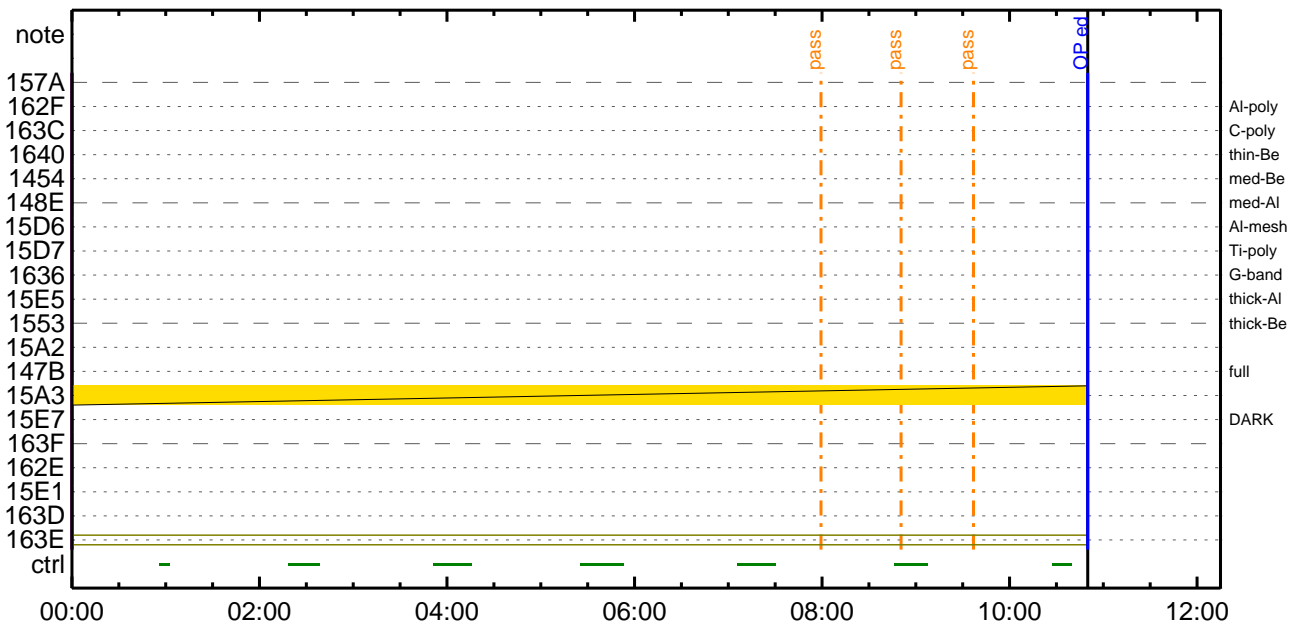
CMDI #0370 2009/01/30



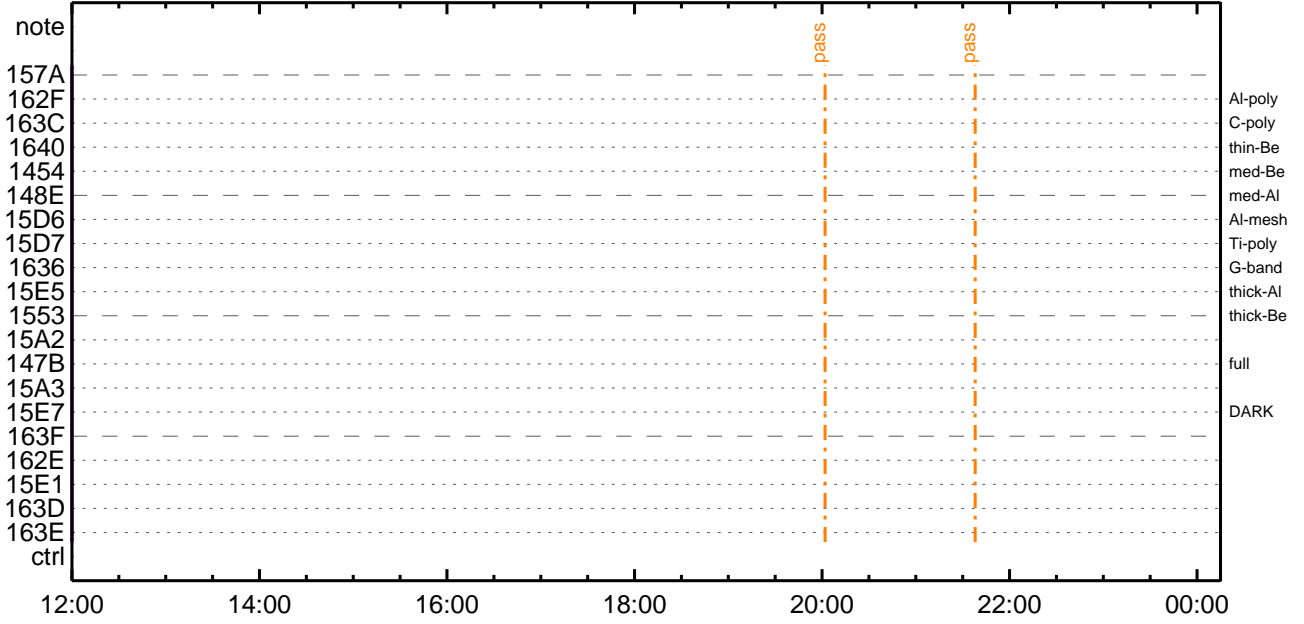
CMDI #0370 2009/01/30



CMDI #0370 2009/01/31



CMDI #0370 2009/01/31





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0096 C.                01-27 09:55:00.0
0097 C.
0098 . C. TI 2009-01-27 09:55:00.0
0099 +. TI 2009-01-27 09:55:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                01-27 09:55:01.0
0102 C.
0103 +. TI 2009-01-27 09:55:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                01-27 09:55:01.0
0106 C.
0107 +. TI 2009-01-27 09:55:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                01-27 09:59:59.5
0110 C.
0111 +. TI 2009-01-27 09:59:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                01-27 09:59:59.5
0114 C.
0115 C.                01-27 09:59:59.5
0116 C.                01-27 09:59:59.5
0117 C.                01-27 09:59:59.5
0118 C.                01-27 09:59:59.5
0119 C.                01-27 09:59:59.5
0120 C.
0121 . C. *****
0122 C. TI 2009-01-27 09:59:59.5
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF; 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                01-27 09:59:59.5
0129 C.                01-27 09:59:59.5
0130 C.                01-27 09:59:59.5
0131 C.                01-27 09:59:59.5
0132 C.                01-27 09:59:59.5
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                01-27 09:59:59.5
0136 C.                01-27 09:59:59.5
0137 C.                01-27 09:59:59.5
0138 C.                01-27 09:59:59.5
0139 C.                01-27 09:59:59.5
0140 C.
0141 . C. *****
0142 C.                01-27 09:59:59.5
0143 C.
0144 . C. RAM ID=TI_TBL(0x03AB00-0x03AEFF; 1024byte)
0145 C.
0146 . C. DHU_DMA_DMP_PRM_SET
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                01-27 09:59:59.5
0150 C.                01-27 09:59:59.5
0151 C.                01-27 09:59:59.5
0152 C.                01-27 09:59:59.5
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2009-01-27 09:59:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC (41)
0161 . C.
0162 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0163 C.
0164 C. ***** SOT END *****
0165 . C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2009-01-27 09:59:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2009-01-27 09:59:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 . C. [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2009-01-27 09:59:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC (c3)
0187 . C. [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 . C. ***** MDP_XRT_MODE_STBY *****
0192 C. *****
0193 . S. DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 6609516.8 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_MANU
0140 BC (21 02)
0141 . C. Verify EIS in MANUAL mode
0142 . C. Estimated OBSTBL upload time is 19s
0143 C. *****
0144 C. EIS START OBSTBL LOAD
0145 C. *****
0146 . S. RAM ram-820:EIS_OBSTBL
0147 ( )
0148 +. DC 07-FC EIS_DUMP_OBSTBL
0149 BC (07 07 07 00 00 70 00)
0150 C.
0151 C. Execute, after the success of OBSTBL upload.
0152 C. Set EIS TI-commands
0153 +. TI 2009-01-27 09:59:50.0
0154 DC 07-FC EIS_MODE_CHG_ENA
0155 BC (20)
0156 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0157 C. *****
0158 C. EIS END OBSTBL LOAD
0159 C. *****
0160 C.
0161 C. ***** XRT START *****
0162 C.
0163 +. DC 07-F0 MDP_XRT_CTRL_MANU
0164 BC (c1)
0165 + DC 07-F0 MDP_XRT_MODE_STBY
0166 BC (c3)
0167 . C. ----- Success Verify ? OK / NG____
0168 C.
0169 C. XRT Obs. Table Upload
0170 . S. RAM ram-291:MDP_OBS_X
0171 ( )
0172 C.
0173 +. DC 07-F0 MDP_DUMP_XRTTBL
0174 BC (84 07 00 00 00 3a d4)
0175 . C. ----- Comparison Check ? OK / ERR ____
0176 C.
0177 C.
0178 +. DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 01 b1 b1 04 04)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 02 b1 b1 08 08)
0182 + DC 07-F0 MDP_XRT_ROI_SET
0183 BC (cd 03 b1 b1 08 08)
0184 + DC 07-F0 MDP_XRT_ROI_SET
0185 BC (cd 04 b1 b1 06 06)
0186 + DC 07-F0 MDP_XRT_ROI_SET
0187 BC (cd 06 85 83 06 06)
0188 + DC 07-F0 MDP_XRT_ROI_SET
0189 BC (cd 07 80 80 20 20)
0190 + DC 07-F0 MDP_XRT_ROI_SET
0191 BC (cd 08 80 80 08 08)
0192 + DC 07-F0 MDP_XRT_ROI_SET
0193 BC (cd 0f 80 80 06 06)

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(a) Spacecraft Operation Procedure (real-commands)

```
main-379 2009-01-27 12:37:56 103 33 SOLAR-B MAIN //
0001  C.
0002  . C. ***** AOS *****
0003  C.
0004  . C. ;ãAOSYÁY$YÁY-¼Á»Ü;ã
0005  C.
0006  C. YÀYB;¼Y³YFYóYEÁ+¿@
0007  +. DC 00-00 NULL_DUMMY_CMD
0008  C.
0009  . C. ***** AOCs : Reload orbital element (send every contact) *****
0010  C.  Āi;Ē□¿□Ā□•μ°Ē»Í×ÁÇ□İYçYÁY×Yİ;¼YĒj;ĒĒē¼μ•íĒ;Ē□Ē¼°ÇŌ□•□¿¼İ¹ç□İ;çĀ@,Ù□¹□Ē□Ē□□Ā+¿@□•□Ē□□□³□Ē;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-262:MDP_OBS_F
0026  C. ( )
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-288:MDP_OBS_S
0044  C. ( )
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. < Upload DPL table >
0054  C.
0055  C. YçYÁY×Yİ;¼YĒ□Ā°□ĒESTS_CHK□□ōFF□□Ē□□ē
0056  C.
0057  . S. RAM ram-271:MDP_DPL
0058  C. ( )
0059  C.
0060  . C. < Dump RAMID=MDP_DPL >
0061  +. DC 07-F0 MDP_DUMP_FGTBL
0062  BC (82 07 00 38 b8 00 40)
0063  C. -----
0064  C. MDP_DPL verify = OK [ ]
0065  C. -----
0066  C.
0067  C. STS_CHK□□ōON□□Ē□□ē
0068  C.
0069  . C. < Update MDP DSC PAR1 >
0070  +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0071  BC (4c)
0072  C. MDP_CMD_CODE = F04C0700 [ ]
0073  C. MDP_CMD_CNT (count-up 1) [ ]
0074  C. -----
0075  C.
0076  . C.
0077  C. *****
0078  C. SOT TI command set
0079  C. *****
0080  C. Execute, after the success of TBL upload.
0081  +. TI 2009-01-27 09:59:18.0
0082  DC 07-F0 MDP_SOT_MODE_OBSV
0083  BC (40)
0084  C. -----
0085  C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0086  C. -----
0087  C.
0088  C.
0089  . C. ***** MDP `ūĀİ□İ»ō¼Y□ĒĀ□□ēDCBC•×²ē *****
0090  C. (¼ā°İYóYÁYĒYBYĒYáYçYē□□ē¼□□¼Ā»Ü□□ē)
0091  . S. DC-BC dcbc-402:DCBC
0092  (MDP_known_event)
0093  C.
0094  C.
0095  . C. ***** YDY!•İ Daily±¿İÑ□Ē`Ō□¹□ēDCBC•×²ē *****
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0096 . S. DC-BC dcbc-153:DCBC
0097 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0098 C.
0099 C.
0100 . C. ;ãLOS¥Á¥$¥Ã¥-¼Á»Û;ã
0101 C.
0102 . C. ***** LOS *****
0103 C.
```

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

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2009/01/27 10:10:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                5 02-76 00 53 8d 00 00
2009/01/27 10:15:01.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/27 10:15:03.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION      4 07-F8 22 fe 97 00
2009/01/27 10:15:23.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET     2 07-F0 c4 06
2009/01/27 10:15:25.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET       1 07-F0 d0
2009/01/27 10:15:27.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS         1 07-F0 d5
2009/01/27 10:15:29.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS         1 07-F0 d9
2009/01/27 10:15:31.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS     1 07-F0 c9
2009/01/27 10:15:33.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO       1 07-F0 c0
2009/01/27 17:49:24.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/27 17:49:26.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION      4 07-F8 22 ff aa 00
2009/01/27 17:49:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                5 02-76 00 00 00 00 00
2009/01/27 17:49:46.0 XRT_QT_PROG_SET_408_OG [0x198]
                        MDP_XRT_QT_PROG_SET     2 07-F0 c4 07
2009/01/27 17:49:48.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS         1 07-F0 d9
2009/01/27 17:49:50.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS     1 07-F0 c9
2009/01/27 17:49:52.0 XRT_ARS_DIS_427_OG [0x1ab]
                        MDP_XRT_ARS_DIS         1 07-F0 d5
2009/01/27 17:51:30.0 XRT_CTRL_AUTO_444_OG [0x1bc]
                        MDP_XRT_CTRL_AUTO       1 07-F0 c0
2009/01/27 17:59:30.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                5 02-76 00 53 8d 00 00
2009/01/27 18:04:45.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/27 18:04:47.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION      4 07-F8 22 fe 97 00
2009/01/27 18:05:07.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET     2 07-F0 c4 06
2009/01/27 18:05:09.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET       1 07-F0 d0
2009/01/27 18:05:11.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS         1 07-F0 d5
2009/01/27 18:05:13.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS         1 07-F0 d9
2009/01/27 18:05:15.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS     1 07-F0 c9
2009/01/27 18:05:17.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO       1 07-F0 c0
2009/01/28 05:59:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/28 05:59:56.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION      4 07-F8 22 ff aa 00
2009/01/28 06:00:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                5 02-76 00 00 00 00 00
2009/01/28 06:00:16.0 XRT_QT_PROG_SET_408_OG [0x198]
                        MDP_XRT_QT_PROG_SET     2 07-F0 c4 07
2009/01/28 06:00:18.0 XRT_FLD_DIS_419_OG [0x1a3]
                        MDP_XRT_FLD_DIS         1 07-F0 d9
2009/01/28 06:00:20.0 XRT_FLRCTRL_DIS_447_OG [0x1bf]
                        MDP_XRT_FLRCTRL_DIS     1 07-F0 c9
2009/01/28 06:00:22.0 XRT_ARS_DIS_427_OG [0x1ab]
                        MDP_XRT_ARS_DIS         1 07-F0 d5
2009/01/28 06:02:00.0 XRT_CTRL_AUTO_444_OG [0x1bc]
                        MDP_XRT_CTRL_AUTO       1 07-F0 c0
2009/01/28 06:10:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM                5 02-76 04 00 00 00 00
2009/01/28 06:15:20.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/28 06:15:22.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION      4 07-F8 22 fe 97 00
2009/01/28 06:15:42.0 XRT_QT_PROG_SET_420_OG [0x1a4]
                        MDP_XRT_QT_PROG_SET     2 07-F0 c4 14
2009/01/28 06:15:44.0 XRT_AEC_RESET_415_OG [0x19f]
                        MDP_XRT_AEC_RESET       1 07-F0 d0
2009/01/28 06:15:46.0 XRT_ARS_DIS_422_OG [0x1a6]
                        MDP_XRT_ARS_DIS         1 07-F0 d5
2009/01/28 06:15:48.0 XRT_FLD_DIS_445_OG [0x1bd]
                        MDP_XRT_FLD_DIS         1 07-F0 d9
2009/01/28 06:15:50.0 XRT_FLRCTRL_DIS_416_OG [0x1a0]
                        MDP_XRT_FLRCTRL_DIS     1 07-F0 c9
2009/01/28 06:15:52.0 XRT_CTRL_AUTO_403_OG [0x193]
                        MDP_XRT_CTRL_AUTO       1 07-F0 c0
2009/01/28 17:52:54.0 XRT_CTRL_MANU_428_OG [0x1ac]
                        MDP_XRT_CTRL_MANU      1 07-F0 c1
2009/01/28 17:52:56.0 XRT_FOCUS_POSITION_442_OG [0x1ba]
                        XRT_FOCUS_POSITION      4 07-F8 22 ff aa 00
2009/01/28 17:53:16.0 XRT_QT_PROG_SET_408_OG [0x198]

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## XRT\_OGLIST\_0370.chk

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2009/01/28	17:53:18.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
			MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/28	17:53:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/28	17:53:22.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/28	17:53:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2009/01/28	17:55:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/28	18:03:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 53 8d 00	00
2009/01/28	18:08:20.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/28	18:08:22.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2009/01/28	18:08:42.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10
2009/01/28	18:08:44.0	XRT_AEC_RESET_415_OG [0x19f]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2009/01/28	18:08:46.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/28	18:08:48.0	XRT_FLD_DIS_445_OG [0x1bd]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/28	18:08:50.0	XRT_FLRCTRL_DIS_416_OG [0x1a0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/28	18:08:52.0	XRT_CTRL_AUTO_403_OG [0x193]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/28	23:00:00.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/29	06:25:54.0	XRT_CTRL_MANU_428_OG [0x1ac]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2009/01/29	06:25:56.0	XRT_FOCUS_POSITION_442_OG [0x1ba]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2009/01/29	06:26:16.0	XRT_QT_PROG_SET_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
2009/01/29	06:26:18.0	XRT_FLD_DIS_419_OG [0x1a3]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2009/01/29	06:26:20.0	XRT_FLRCTRL_DIS_447_OG [0x1bf]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2009/01/29	06:26:22.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2009/01/29	06:26:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2009/01/29	06:28:00.0	XRT_CTRL_AUTO_444_OG [0x1bc]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2009/01/29	06:36:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 53 8d 00	00
2009/01/29	11:24:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00