

XRT Timeline to be uploaded on 2010/10/30

Period: 2010/10/30 11:29:00 - 2010/11/03 10:41:00

* * * * *

Normal mode

* * * * *

XOB #1831: FW1 test - AI/mesh G-band													
Term			Pointing (x, y)				Comment						
10/30	11:41:56 - 10/30	11:44:01	Track (776.9,	302.5)	[®] 10/30 11:39:00	# OP start + 10min: track AR 11117						
PROG= 18 1-time(s)													
└ Subr= 1 1-time(s) 2.0sec													
└ Seqn= 43 3-time(s) 2.0sec													
└ Open/AI-mesh		Open/Ti-poly	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
└ Open/G-band		Open/G-band	open	Safe	Norm	16ms	Obs	2x2	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		

* * * * *

Flare mode

* * * * *

NOT USED

* * * * *

Active Region Search

* * * * *

NOT USED

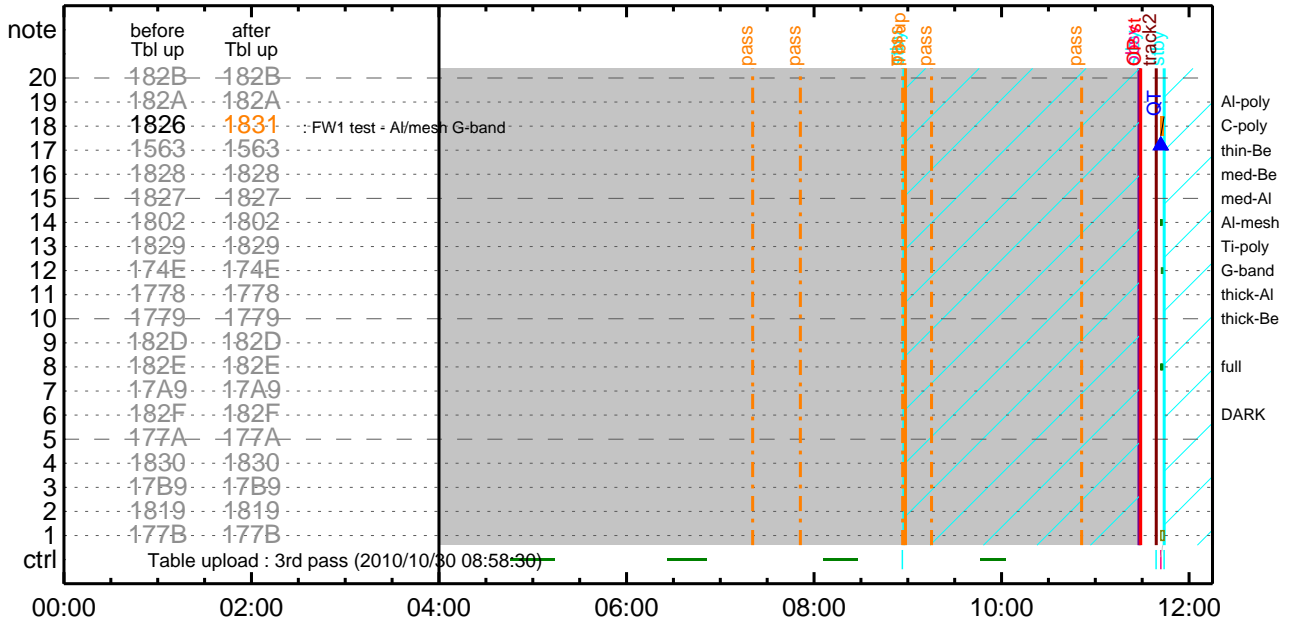
* * * * *

Flare Detection

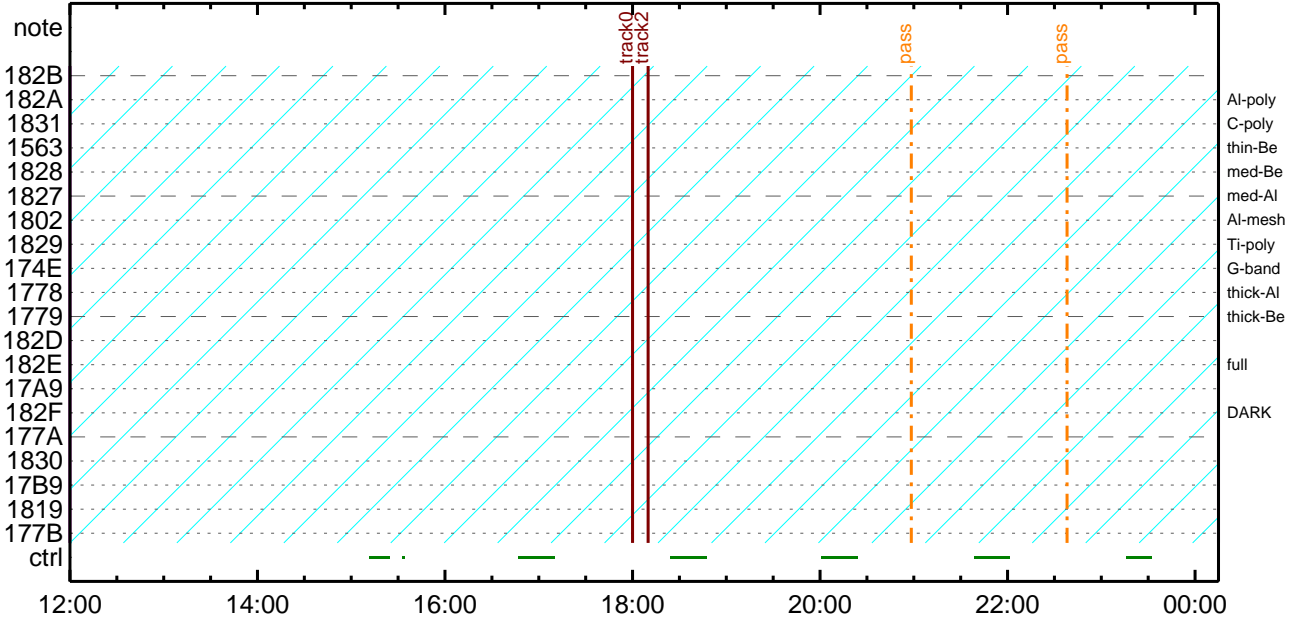
* * * * *

NOT USED

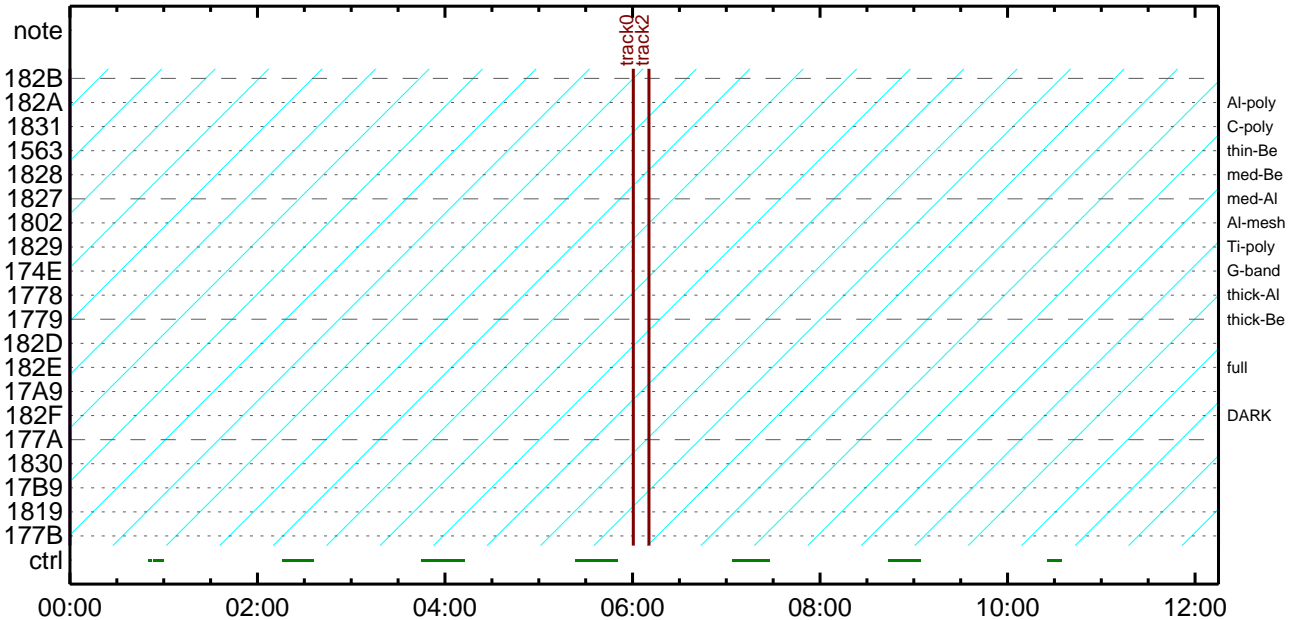
CMDI #0569 2010/10/30



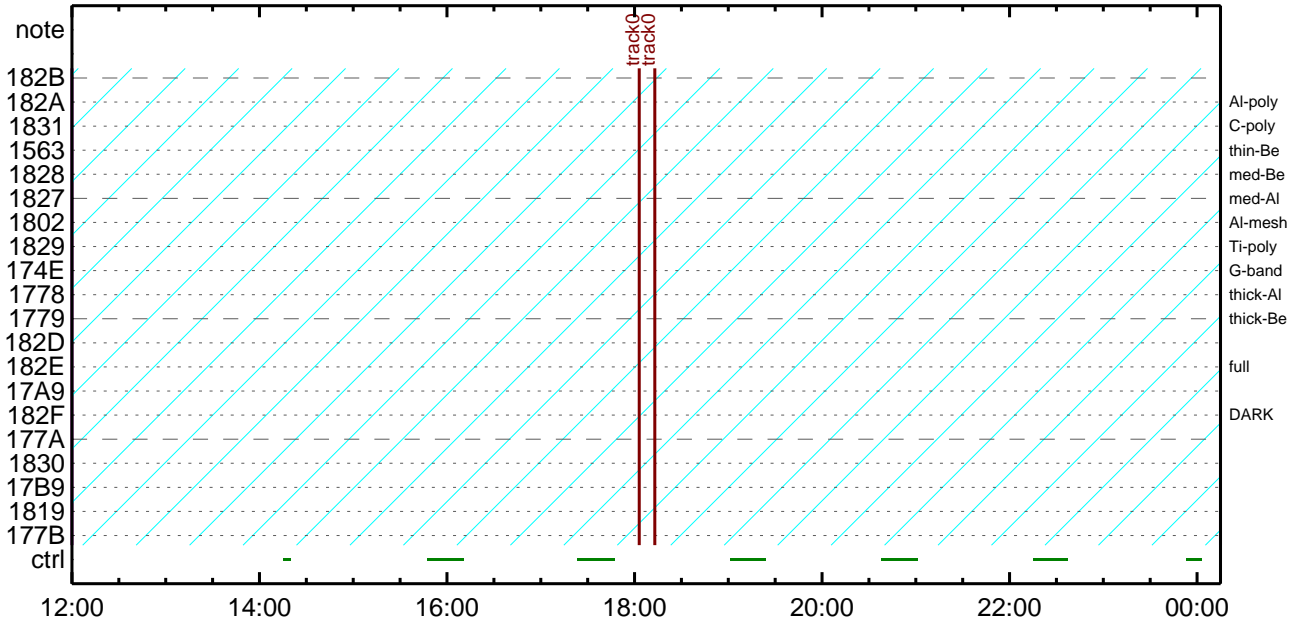
CMDI #0569 2010/10/30



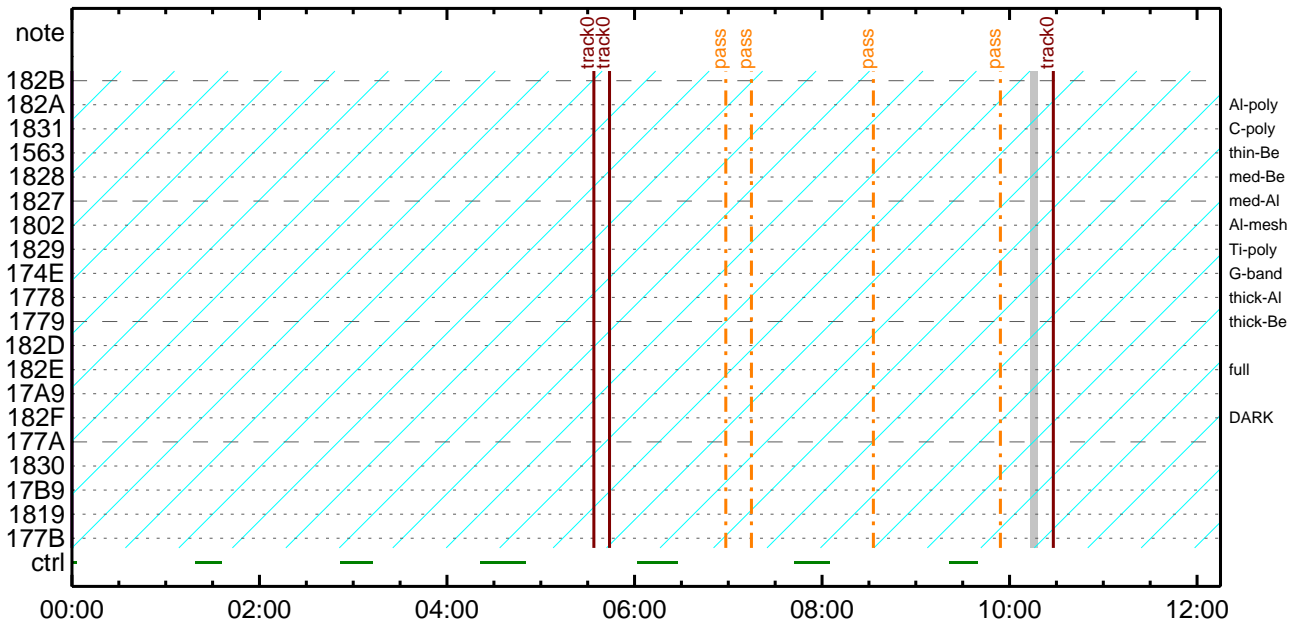
CMDI #0569 2010/10/31



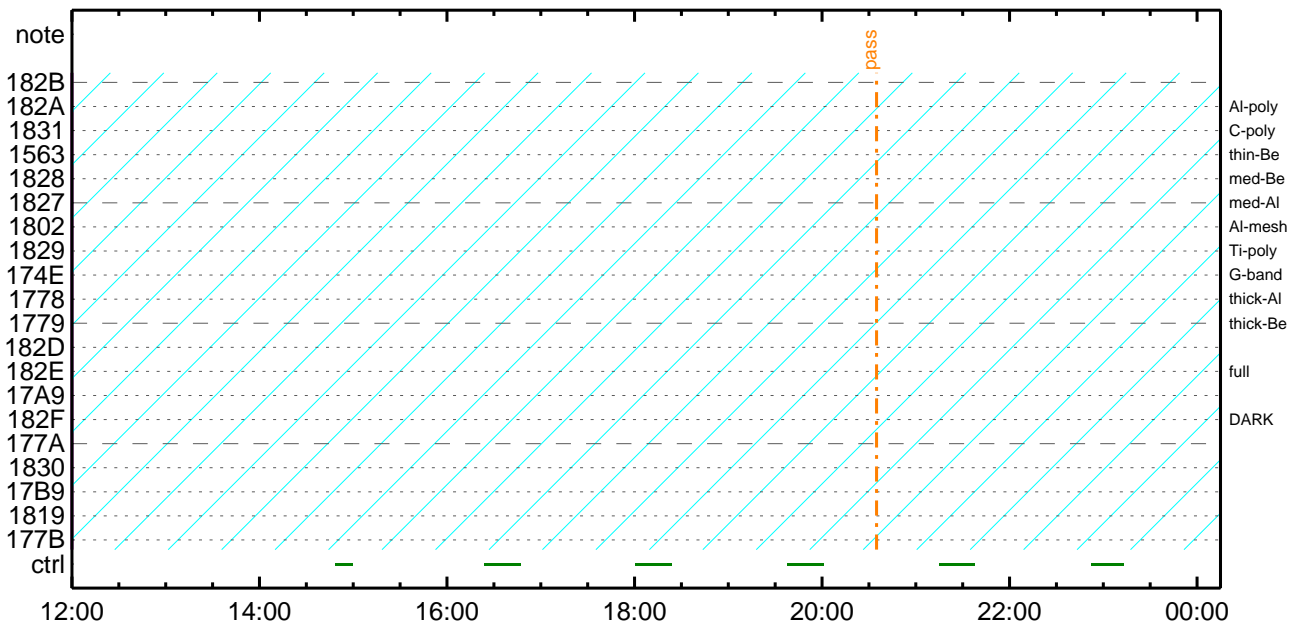
CMDI #0569 2010/10/31



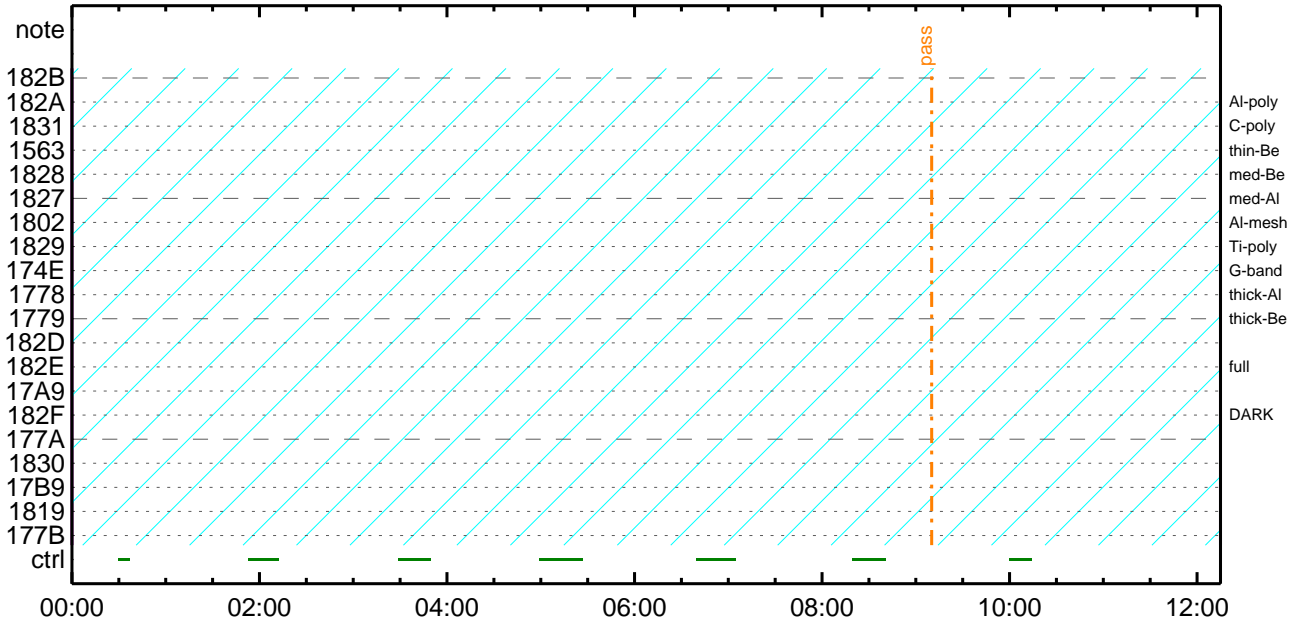
CMDI #0569 2010/11/01



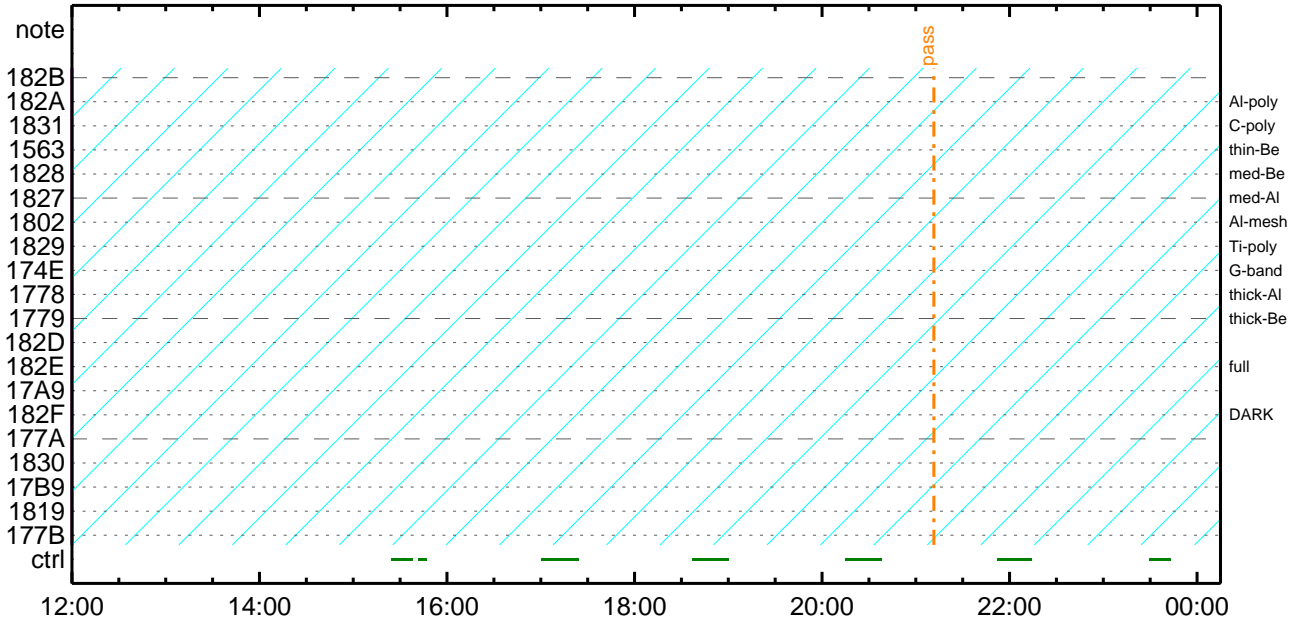
CMDI #0569 2010/11/01



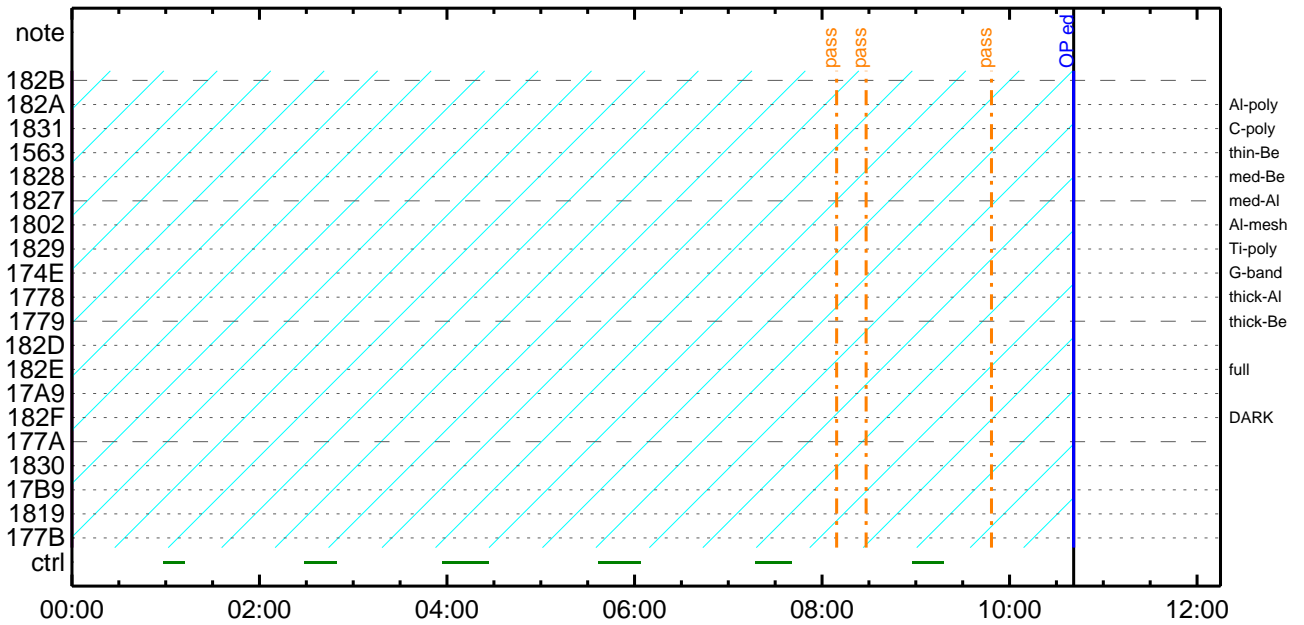
CMDI #0569 2010/11/02



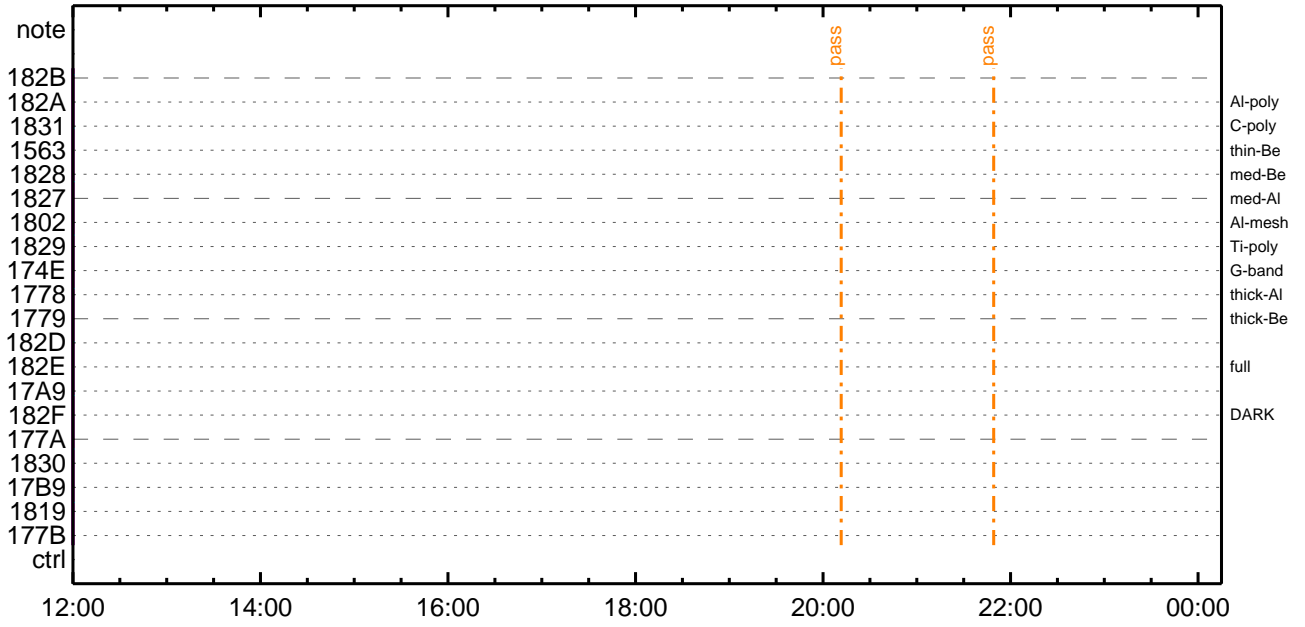
CMDI #0569 2010/11/02



CMDI #0569 2010/11/03



CMDI #0569 2010/11/03




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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-672:OP
0104 ( )
0105 S. OG og-672: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. YAYOXx½ª î»ò³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGªî½ª¹ç•è² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGªî½ª¹ç•è² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPªî½ª¹ç•è² îOKªò³ îÇ§
0165 C.
0166 C. ***** °ê²¼ª î½ª¹ç•è² îOKªò³ îÇ§ *****
0167 C. DHUYâ;4YE;ê½½;Yi;4YE;êòîãª¹
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 UPLOADª-Á÷ç@NGªî½ª¹ç•è²¼ª î½ª¹ç•è²ª îOKªò³ îÇ§ª
0180 C. çç[HK1_DMP_CHK_FLG] EQ NON
0181 C.
0182 C. TIY³YpYóYêªòîãîç(UT)
0183 +. TI 2010-10-30 11:24:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2010-10-30 11:24:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2010-10-30 11:24:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2010-10-30 11:28:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.      çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C.  °Ê²¼œîÄë%îíñœîîŷÄŷ§ŷÄŷ~¹âîŷ
0200 C.      çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.      çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.      çç[HK1_NEXT_EXEC_PIM]      EQ      DHU
0203 C.      çç[HK1_NEXT_EXEC_DC]      EQ      0xB3
0204 C.
0205 C.  *****
0206 C.  Tîîî°èŷÄŷÖŷ×
0207 C.  *****
0208 C.
0209 C.  TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.      çç[HK1_DMP_TOP_ADRS_1]    EQ      07
0213 C.      çç[HK1_DMP_TOP_ADRS_0]    EQ      2B
0214 C.      çç[HK1_DMP_BLOCK_NUM]     EQ      3
0215 C.      çç[HK1_DMP_REPEAT_NUM]    EQ      0
0216 C.      çç[HK1_DMA_DMP_PIM]      EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.      çç[HK1_PKT_FORM_NO]      EQ      7
0220 C.      çç[HK1_PKT_GEN_TIME]      EQ      0.25 s
0221 C.      çç[HK1_S_TLM_BIT_RATE]   EQ      32k
0222 C.      çç[HK1_X_TLM_BIT_RATE]   EQ      4M
0223 C.      çç[HK1_DMP_CHK_FLG]     EQ      EXEC
0224 C.
0225 C.  ŷÄŷÖŷ×½ªî»œ³îç§
0226 C.      çç[HK1_DMP_CHK_FLG]     EQ      NON
0227 C.
0228 C.  RAM ID=TI_TBLœîîî°è²îœœ³îç§
0229 C.
0230 C.  DHUŷâ;¼ŷÉ;È¼ŷ¼.ŷî;¼ŷÈ;Èœœîáœ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.      çç[HK1_PKT_FORM_NO]      EQ      2
0234 C.      çç[HK1_PKT_GEN_TIME]      EQ      0.5S
0235 C.      çç[HK1_S_TLM_BIT_RATE]   EQ      32K
0236 C.      çç[HK1_X_TLM_BIT_RATE]   EQ      4M
0237 C.
0238 C.  Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C.  ***** Start EIS operation (TI set) *****
0242 C.  Execute, after the success of OP upload.
0243 C.  Set EIS TI-commands
0244 +. TI 2010-10-30 11:28:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2010-10-30 11:28:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.      [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0251 C.  ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.  *****
0255 C.  SOT TI command set
0256 C.  *****
0257 C.  Execute, after the success of OP upload.
0258 +. TI 2010-10-30 11:28:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC      (41)
0261 C.  -----
0262 C.      HK1_TI_CMD_NUM              = 1 CNTUP [ ]
0263 C.  -----
0264 C.  ***** SOT END *****
0265 C.
0266 C.  ***** XRT START *****
0267 C.  Execute, after the success of OP upload.
0268 +. TI 2010-10-30 11:28:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.      [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0272 C.
0273 C.  ***** XRT END *****
0274 C.
0275 C.  ***** MDP ´úÄîœî»ö¼ŷœîÄœœ¹œèDCBC•x²è *****
0276 C.  (¼ª°îŷÖŷÄŷÈŷŷŷÈŷÄŷçŷèœ¼œœ¼ª»ŷœ¹œè)
0277 S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 C.  ***** ŷĐŷ¹•î Daily±çîñœîÈ'œœ¹œèDCBC•x²è *****
0282 S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C.  ;ãLOSŷÄŷ§ŷÄŷ~¼ª»ŷ;ã
0287 C.
0288 C.  ***** LOS *****
0289 C.

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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 06 80 80 20 20)
0126 . C. ----- Success Verify ? OK / NG ____
0127 C.
0128 C.
0129 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0130 C.
0131 +. TI 2010-10-30 11:28:02.0
0132 DC 07-F0 MDP_XRT_MODE_OBSV
0133 BC (c2)
0134 . C. ----- Success Verify ? OK / NG ____
0135 C.
0136 C. ***** XRT END *****
0137 . C. *****
0138 C. SOT table upload
0139 C. *****
0140 . C. < Stop FG table >
0141 +. DC 07-F0 MDP_FG_CTRL_MANU
0142 BC (51)
0143 . C. -----
0144 C. MDP_FG_CTRL_MODE = MANU [ ]
0145 C. -----
0146 C.
0147 . C. <Upload FG Observation Table>
0148 . S. RAM ram-263:MDP_OBS_F
0149 ( )
0150 C.
0151 . C. < Dump RAMID=MDP_OBS_F >
0152 +. DC 07-F0 MDP_DUMP_FGTBL
0153 BC (82 07 00 00 00 38 b8)
0154 C. -----
0155 C. MDP_OBS_F verify = OK/NG [ ]
0156 C. -----
0157 C.
0158 C. *****
0159 C. SOT TI command set
0160 C. *****
0161 C. Execute, after the success of TBL upload.
0162 +. TI 2010-10-30 11:28:18.0
0163 DC 07-F0 MDP_SOT_MODE_OBSV
0164 BC (40)
0165 . C. -----
0166 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0167 C. -----
0168 C.
0169 C.
0170 . C. ***** MDP 'úÃîî»ö¼ÝðËÄð¹ñèDCBC•x²è *****
0171 C. (%ã°îÿÓÿÄÿËÿÏÿËÿáÿçÿèñ¼¼¼¼»Û¹ñè)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ÝÐÿ¹•Ï Daily±¿ÎñÈ'Ø¹ñèDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-675 2010-10-30 13:15:45 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YBYóYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿ðÀð•µ°Æ»Í×ÁÇçíYçYÁY×Yí;¼YÉ;ÈÈè¼µ•ííÈ;ÈÈÈ¼°ÇÔð•¿¼í¹ççí;çÀ®, ùð¹ðèððçÁ+¿®ð•ðÈððð³ðÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP `úÁíðí»ò¼YðÈÁðð¹ðèDCBC•x²è *****
0016 C. (¼á°íYóYÁYÈYB¥ÈYáYçYèðÈ¼ð¼Á»Ûð¹ðè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** YD¥¹•İ Daily±¿İÑðÈ´Øð¹ðèDCBC•x²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOS¥ÁY$YÁY-¼Á»Û;ä
0027 C.
0028 . C. ***** LOS *****
0029 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-676 2010-10-30 13:15:45 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µ°Æ»ÍxÁÇúÍYçYÁYxYí;¼YÉ;ÈÈèµ•ííÉ;ÈÈÈ¼°ÇÔα•¿¿i¹çαÍ;çÀ®, ùα¹αèαβαÇÁ+¿®α•αÊααα³αÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP `úÁíαí»ö¼YαÊÁα¹αèDCBC•x²è *****
0016 C. (¼á°íYÓYÁYÈYβYÈYáYçYèαÈ¼αα¼Á»Ûα¹αè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** YDY¹•İ Daily+¿ÍÑαÈ´Øα¹αèDCBC•x²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOSÁY$YÁY-¼Á»Û;ã
0027 C.
0028 . C. ***** LOS *****
0029 C.
```

Oct 30, 10 13:16

XRT_OGLIST_0569.chk

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*** OP Sequence for XRT ***

2010/10/30	11:38:54.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/10/30	11:38:56.0	XRT_FOCUS_POSITION_401_OG [0x191]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2010/10/30	11:39:00.0	AOCS_OrE-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2010/10/30	11:39:16.0	XRT_FLD_DIS_402_OG [0x192]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2010/10/30	11:39:18.0	XRT_FLRCTRL_DIS_403_OG [0x193]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2010/10/30	11:39:20.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2010/10/30	11:41:54.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2010/10/30	11:41:56.0	XRT_CTRL_AUTO_406_OG [0x196]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2010/10/30	11:44:01.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2010/10/30	11:44:03.0	XRT_MODE_STBY_425_OG [0x1a9]							
		MDP_XRT_MODE_STBY	1	07-F0	c3				
2010/10/30	11:44:05.0	XRT_STANDBY_417_OG [0x1a1]							
		XRT_STBY	2	07-F8	03 01				
2010/10/30	18:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/10/30	18:10:00.0	AOCS_OrE-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	02 00 00 00 00				
2010/10/31	06:00:30.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2010/10/31	06:10:30.0	AOCS_OrE-point_Start_1_OG [0x097]							
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2010/10/31	18:03:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
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2010/10/31	18:13:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
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2010/11/01	05:34:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
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2010/11/01	05:44:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 e3 65 b2 0d				
2010/11/01	10:28:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
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