

XRT Timeline to be uploaded on 2014/08/05

Period: 2014/08/05 09:56:00 - 2014/08/09 09:38:00

* * * * *

Normal mode

* * * * *

NOT USED

* * * * *

Flare mode

* * * * *

NOT USED

* * * * *

Active Region Search

* * * * *

NOT USED

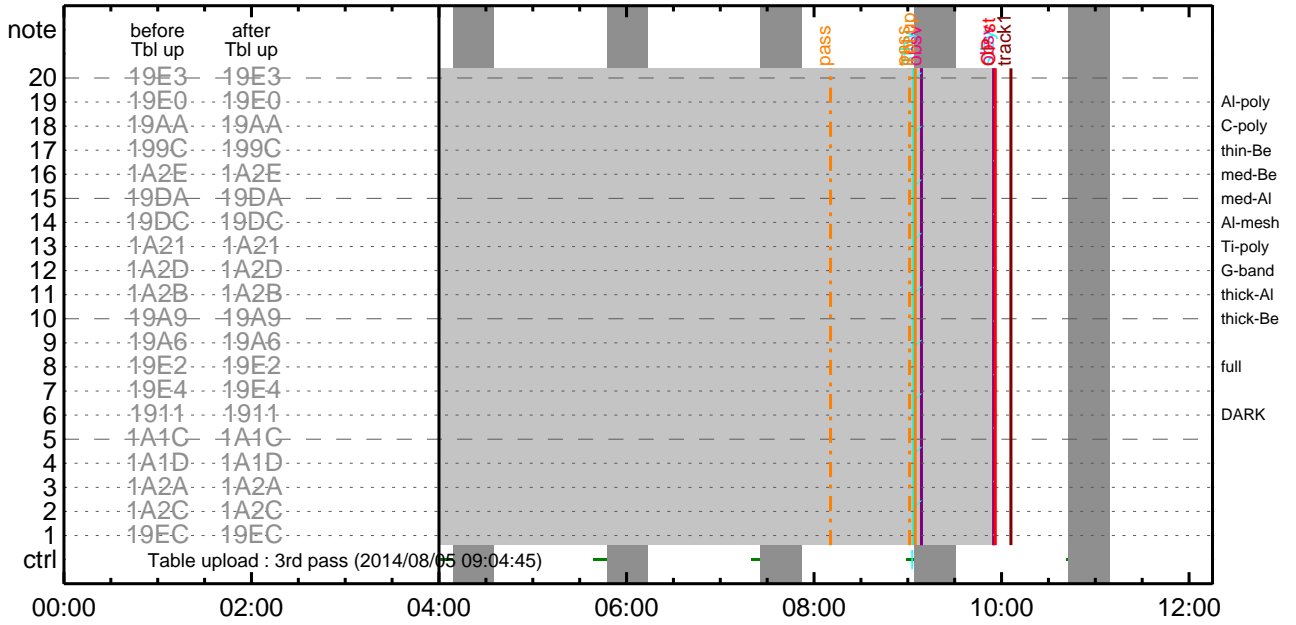
* * * * *

Flare Detection

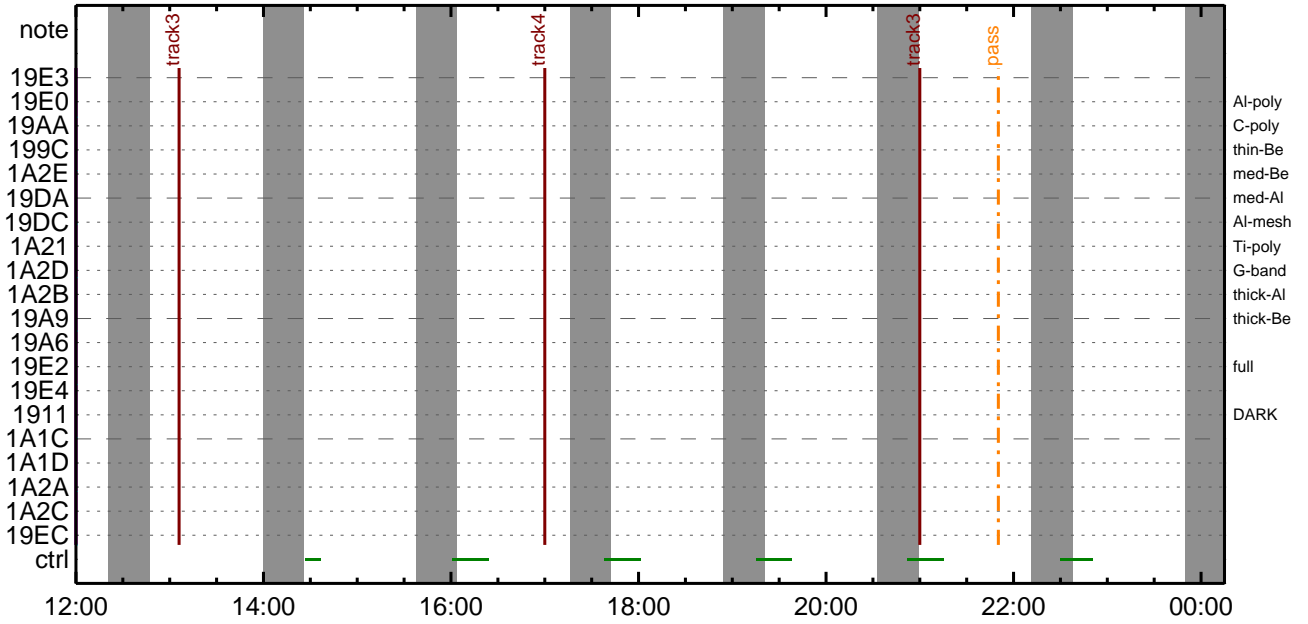
* * * * *

NOT USED

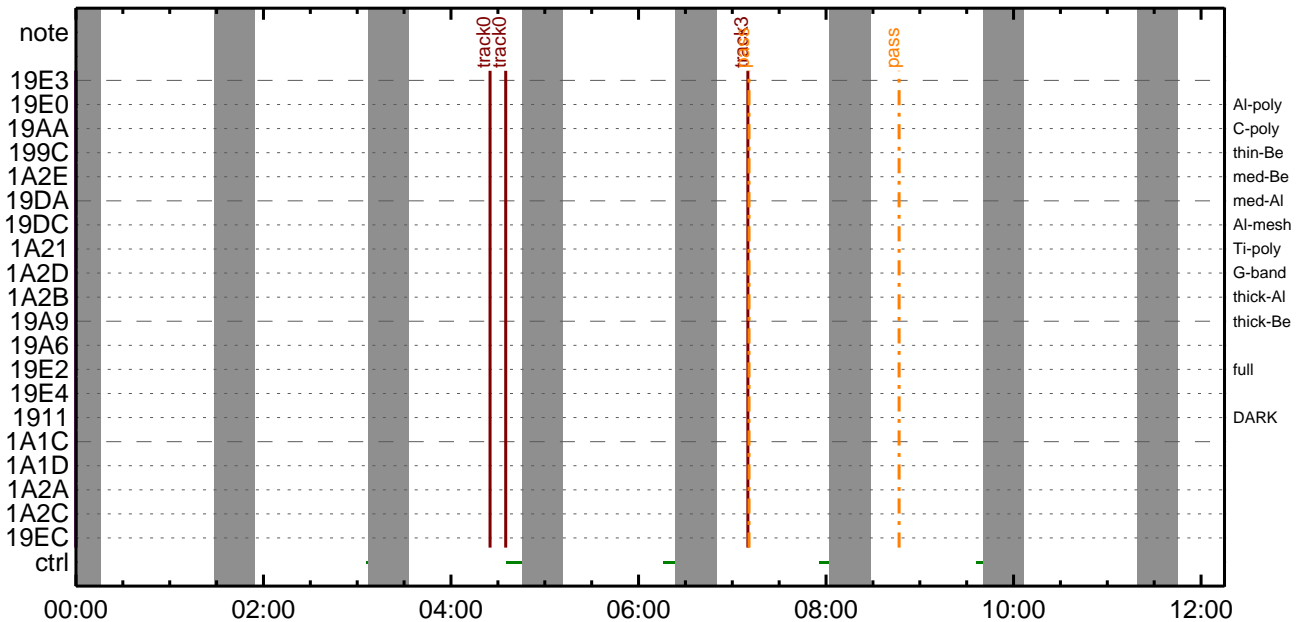
CMDI #0455 2014/08/05



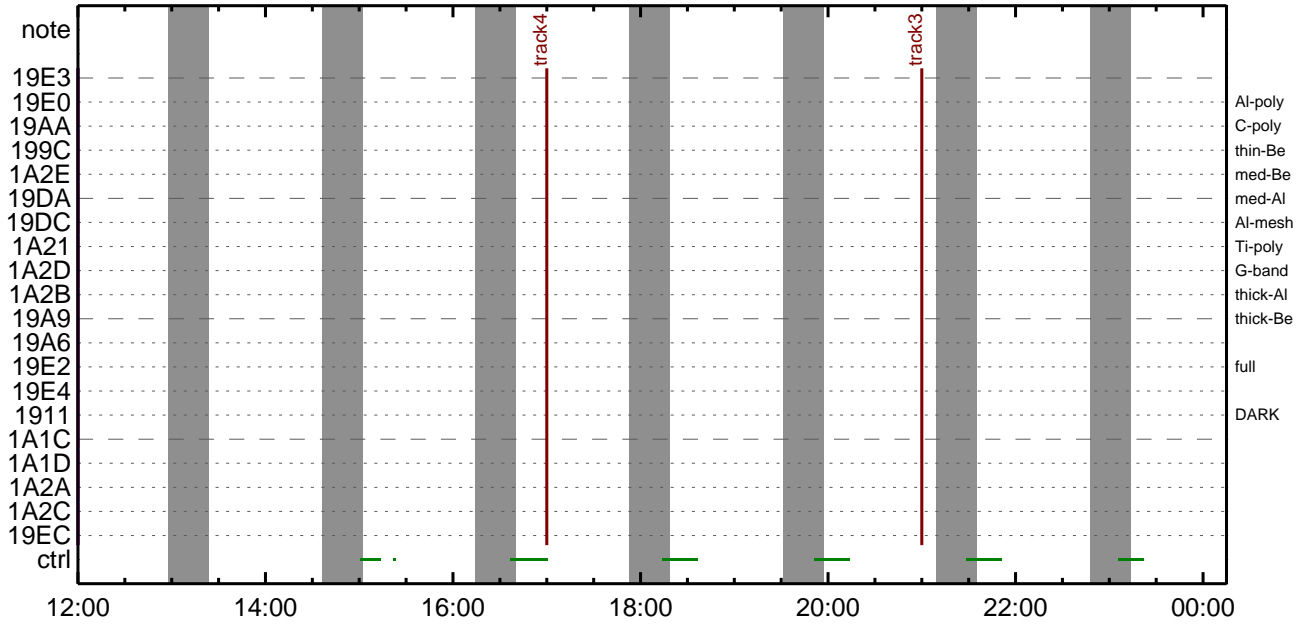
CMDI #0455 2014/08/05



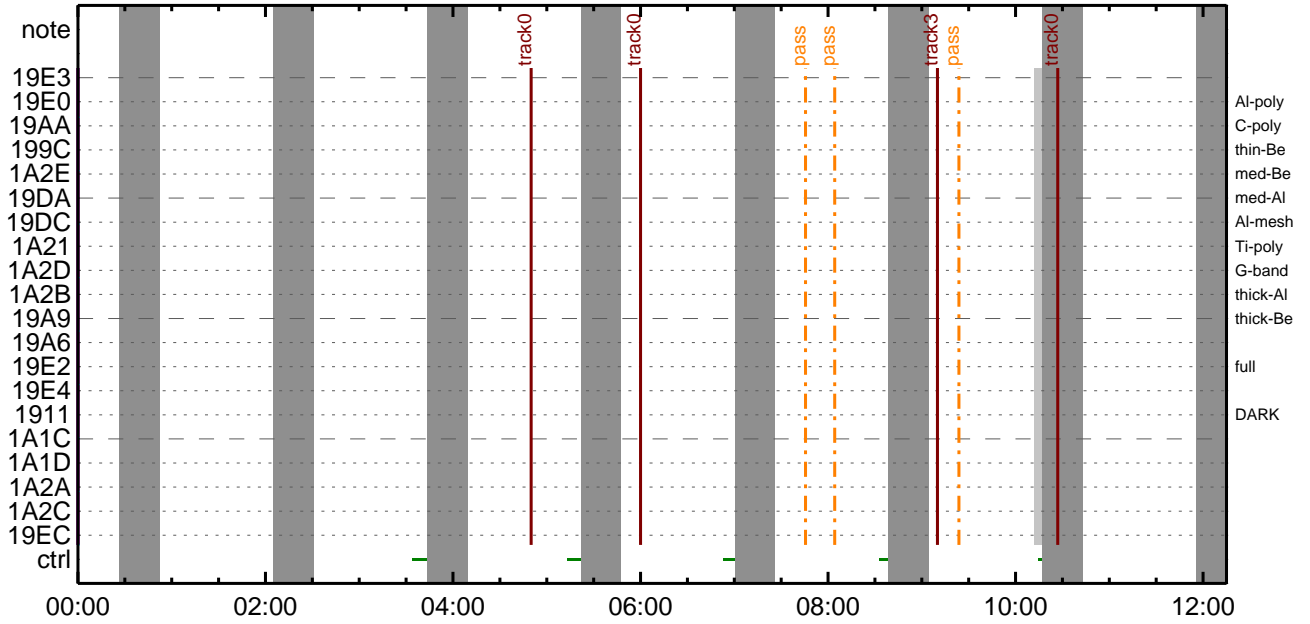
CMDI #0455 2014/08/06



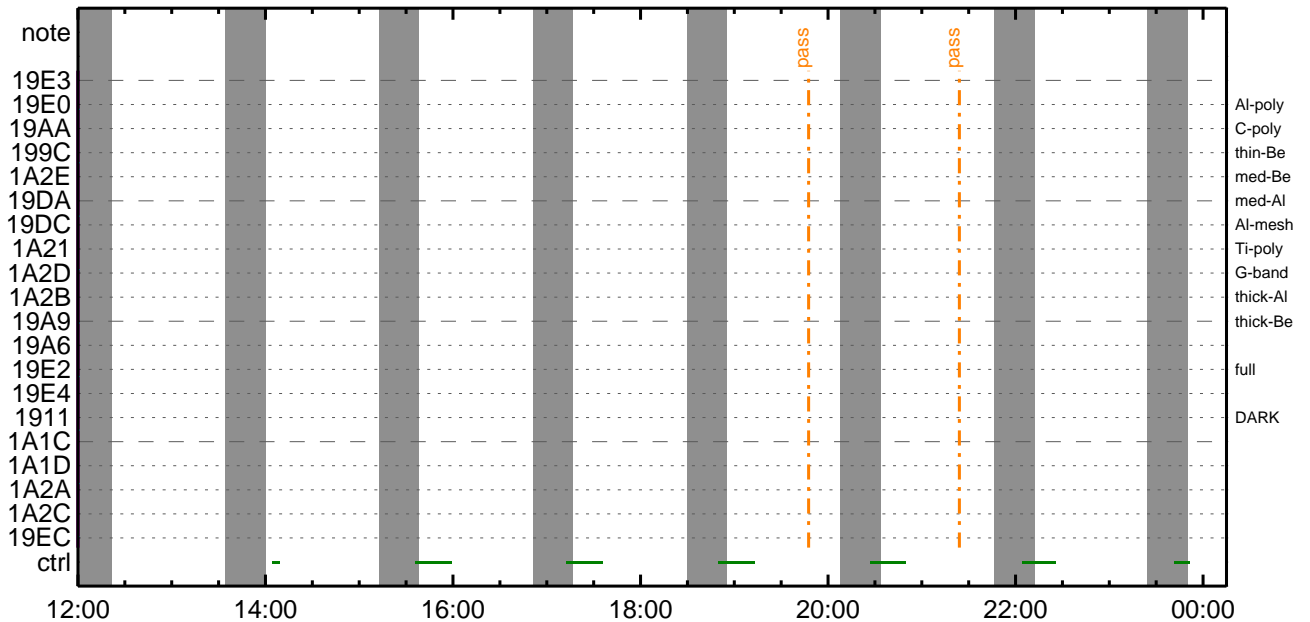
CMDI #0455 2014/08/06



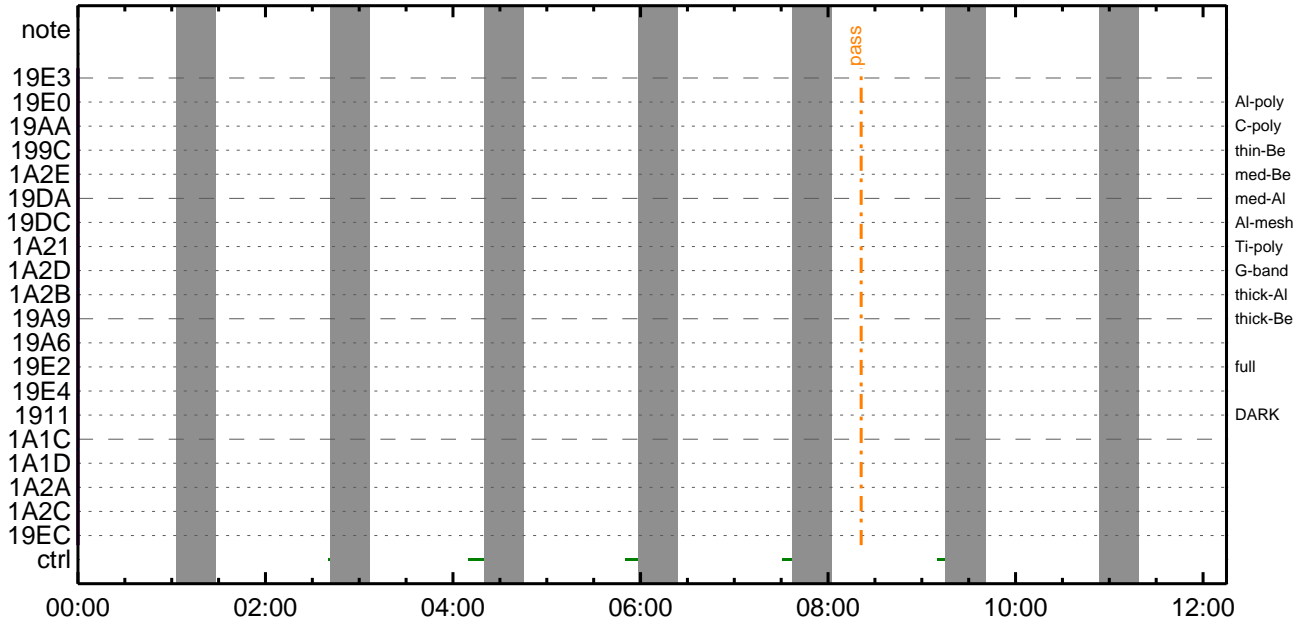
CMDI #0455 2014/08/07



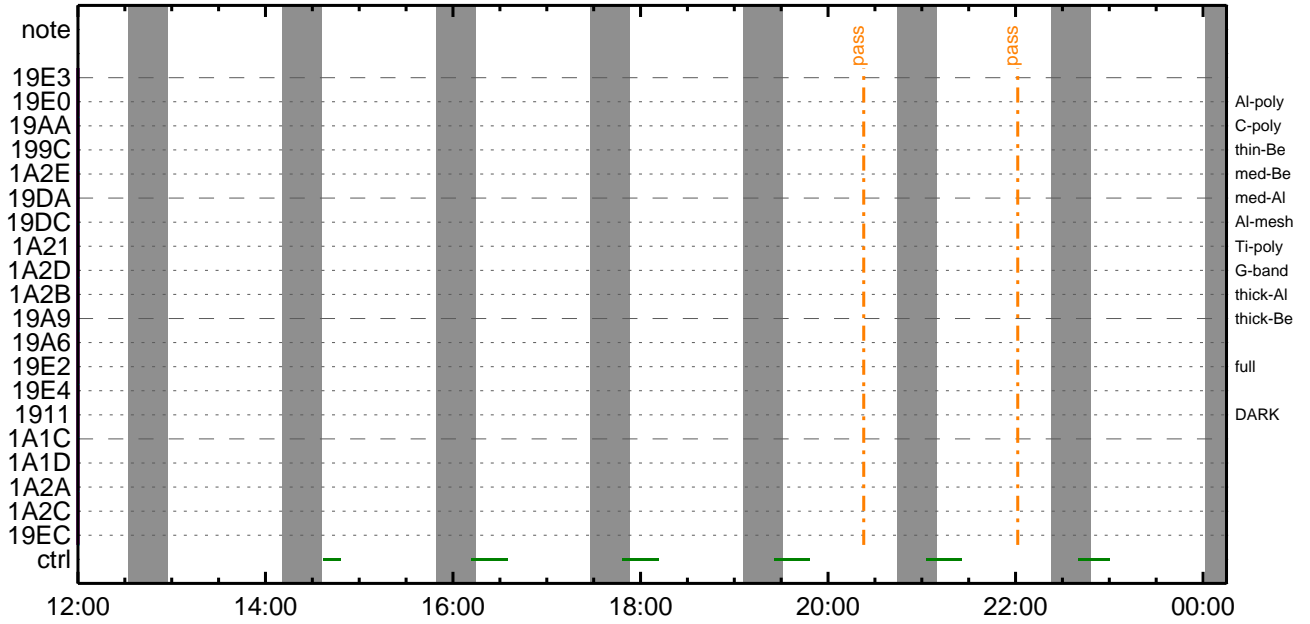
CMDI #0455 2014/08/07



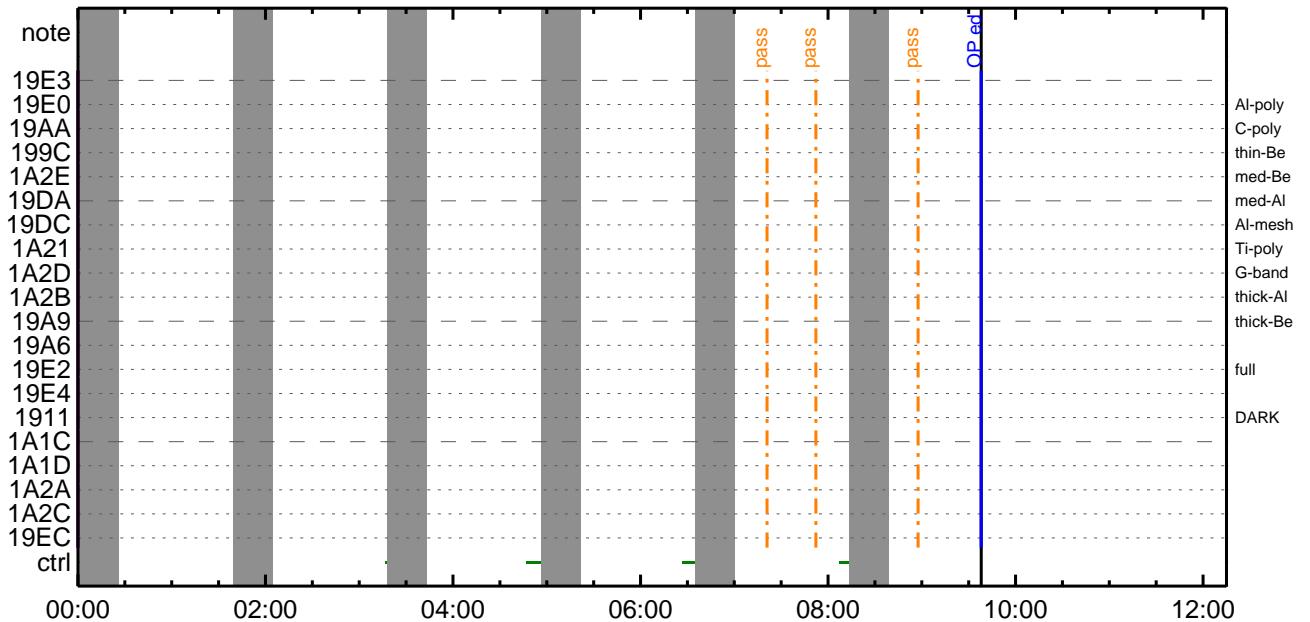
CMDI #0455 2014/08/08



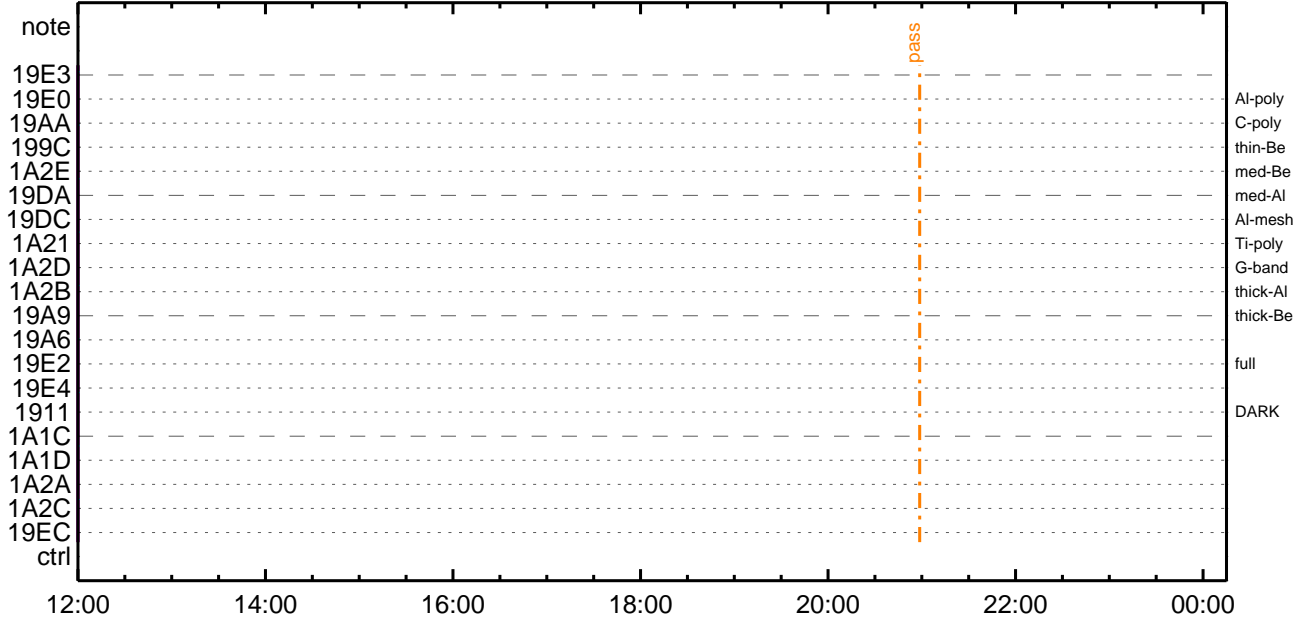
CMDI #0455 2014/08/08



CMDI #0455 2014/08/09



CMDI #0455 2014/08/09




```
0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-550:OP
0104 ( )
0105 S. OG og-550:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;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. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½È¹ç•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. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½È¹ç•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. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½È¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °È²¼òî½Ä´¶Á°òÈÈ¬ò°Á÷¿@ (½âµ-YAYOYx½ê½çòðÁÓÆòÇ½ª°¬òè½î¹çòçòâ) *****
0167 C. DHU½â;½YE;È½Y½;Y½;½YE;Èòðîã¹
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°È²¼òî½TI-CMDÁ÷¿@²î½Á¹Ô²°²È²²²³²È;f
0180 C. ²²²;çSET²ÈDUMP²î½±°î½Y¹²ç¹Ô²²²³²È;f
0181 C.
0182 C. TIY³Y½Y½Y½È²òðÁDî¿(UT)
0183 +. TI 2014-08-05 09:51:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2014-08-05 09:51:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2014-08-05 09:51:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
```

```
0194 C.
0195 +. TI 2014-08-05 09:55:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C.  °Ê²¼ǒïÄê%ĩĩñǒîŷÄ¥§ŷÄŷ-¹âiŭ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]                    EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]                        EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]                     EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]                       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°èŷÄŷõŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PIM_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.  ŸÄŷõŷ×½ªî»ǒ³îçš
0226 C.          çç[HK1_DMP_CHK_FLG]                       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLǒîŷÄŷõŷ×ªî»ǒ³îçš
0229 C.
0230 C. DHUŷª;½ŷÊ;Ê½ŷ½. ŷî;½ŷÊ;Êǒðîäǒ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]                       EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]                       EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]                    EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]                    EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2014-08-05 09:55:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2014-08-05 09:55:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2014-08-05 09:55:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]                      EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2014-08-05 09:55:00.0
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 ´ûÄîǒî»õ¼ŷǒÊÄðǒ¹ǒêDCBC·x²è *****
0276 C. (¼ª°îŷÄŷõŷ×½ªî»ǒ³îçš¼ǒª¼ª»ŭǒ¹ǒè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŸĐŷ¹·î Daily±çîñǒÊ´øǒ¹ǒêDCBC·x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷõŷ×ŷÄŷ-¼ª»ŭ;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-552 2014-08-05 13:53:05 167 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY`¼Á»Û;ã
0005 C.
0006 C. YÁY$;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C.  Āí;È¿¿òÃó•µºÈ»Í×ÁÇóÍY¿Y×Yí;¼YÉ;ÉÈ½µ•íÉ;ÈóÈ¼ºÇÒó•ó¿¼í¹¿óÍ;çÀ®, ùó¹óÈóÈóÇÁ+¿®ó•óÈóóó³óÈ;É
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 ()
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 ()
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. Y¿YÁY×Yí;¼YÉóÍÁºóÈSTS_CHKóòOFFóÈó¹óÈ
0056 C.
0057 . S. RAM ram-271:MDP_DPL
0058 ()
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_CHKóòONóÈó¹óÈ
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. < Resume FG table (auto mode) >
0078 +. DC 07-F0 MDP_FG_CTRL_AUTO
0079 BC (50)
0080 . C. -----
0081 C. MDP_FG_CTRL_MODE = AUTO [ ]
0082 C. -----
0083 C.
0084 C. *****
0085 C. SOT TI command set
0086 C. *****
0087 C. Execute, after the success of TBL upload.
0088 +. TI 2014-08-05 09:55:18.0
0089 DC 07-F0 MDP_SOT_MODE_OBSV
0090 BC (40)
0091 . C. -----
0092 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0093 C. -----
0094 C.
0095 C. Only when FG_CTRL_AUTO is used in RT.
```

```
0096 +. TI 2014-08-05 09:55:20.0
0097 DC 07-F0 MDP_FG_CTRL_AUTO
0098 BC (50)
0099 . C. -----
0100 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0101 C. -----
0102 C. ***** SOT END *****
0103 C.
0104 C. ***** XRT START *****
0105 C.
0106 +. DC 07-F0 MDP_XRT_CTRL_MANU
0107 BC (c1)
0108 + DC 07-F0 MDP_XRT_MODE_STBY
0109 BC (c3)
0110 . C. ----- Success Verify ? OK / NG ____
0111 C.
0112 C. XRT Obs. Table Upload
0113 . S. RAM ram-291:MDP_OBS_X
0114 ( )
0115 C.
0116 +. DC 07-F0 MDP_DUMP_XRTTBL
0117 BC (84 07 00 00 00 3a d4)
0118 . C. ----- Comparison Check ? OK / ERR ____
0119 C.
0120 C.
0121 +. DC 07-F0 MDP_XRT_ROI_SET
0122 BC (cd 01 b1 b1 04 04)
0123 + DC 07-F0 MDP_XRT_ROI_SET
0124 BC (cd 02 b1 b1 08 08)
0125 + DC 07-F0 MDP_XRT_ROI_SET
0126 BC (cd 03 b1 b1 08 08)
0127 + DC 07-F0 MDP_XRT_ROI_SET
0128 BC (cd 04 b1 b1 06 06)
0129 + DC 07-F0 MDP_XRT_FLD_ENA
0130 BC (d8)
0131 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0132 BC (c8)
0133 + DC 07-F0 MDP_XRT_AEC_RESET
0134 BC (d0)
0135 + DC 07-F0 MDP_XRT_ARS_DIS
0136 BC (d5)
0137 + DC 07-F0 MDP_XRT_FLD_RESET
0138 BC (da)
0139 . C. ----- Success Verify ? OK / NG ____
0140 C.
0141 C.
0142 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0143 C.
0144 +. DC 07-F0 MDP_XRT_MODE_OBSV
0145 BC (c2)
0146 +. TI 2014-08-05 09:55:02.0
0147 DC 07-F0 MDP_XRT_MODE_OBSV
0148 BC (c2)
0149 . C. ----- Success Verify ? OK / NG ____
0150 C.
0151 C. ***** XRT END *****
0152 C.
0153 . C. ***** MDP `úÃîï»ö%ÝðÊÂð¹æDCBC•x²è *****
0154 C. (%á°îÿÓYÁYBYBYEYáYçYèE%¼æ¼Á»Û¹æè)
0155 . S. DC-BC dcbc-402:DCBC
0156 (MDP_known_event)
0157 C.
0158 C.
0159 . C. ***** YDY¹•İ Daily±¿İÑæË´Ø¹æèDCBC•x²è *****
0160 . S. DC-BC dcbc-153:DCBC
0161 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0162 C.
0163 C.
0164 . C. ;ãLOS¥Á¥$¥Ã¥-¼Á»Û;ä
0165 C.
0166 . C. ***** LOS *****
0167 C.
```

*** OP Sequence for XRT ***

2014/08/05	10:06:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	01	00	00	00	00
2014/08/05	13:06:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2014/08/05	17:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	04	00	00	00	00
2014/08/05	21:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2014/08/06	04:25:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	00	00	00	00
2014/08/06	04:35:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	eb	9e	50	00
2014/08/06	07:10:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2014/08/06	17:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	04	00	00	00	00
2014/08/06	21:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2014/08/07	04:15:00.0	XRT_TCIB_XRT_S_HTR_A_DIS_428_OG [0x1ac]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2014/08/07	04:50:00.0	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00	bc	73	d7	1b
2014/08/07	06:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	00	00	00	00
2014/08/07	09:10:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	03	00	00	00	00
2014/08/07	10:27:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	00	00	00	00