

XRT Timeline to be uploaded on 2017/04/06

Period: 2017/04/06 10:25:00 - 2017/04/11 09:33:00

* * * * *

Normal mode

* * * * *

NOT USED

* * * * *

Flare mode

* * * * *

NOT USED

* * * * *

Active Region Search

* * * * *

NOT USED

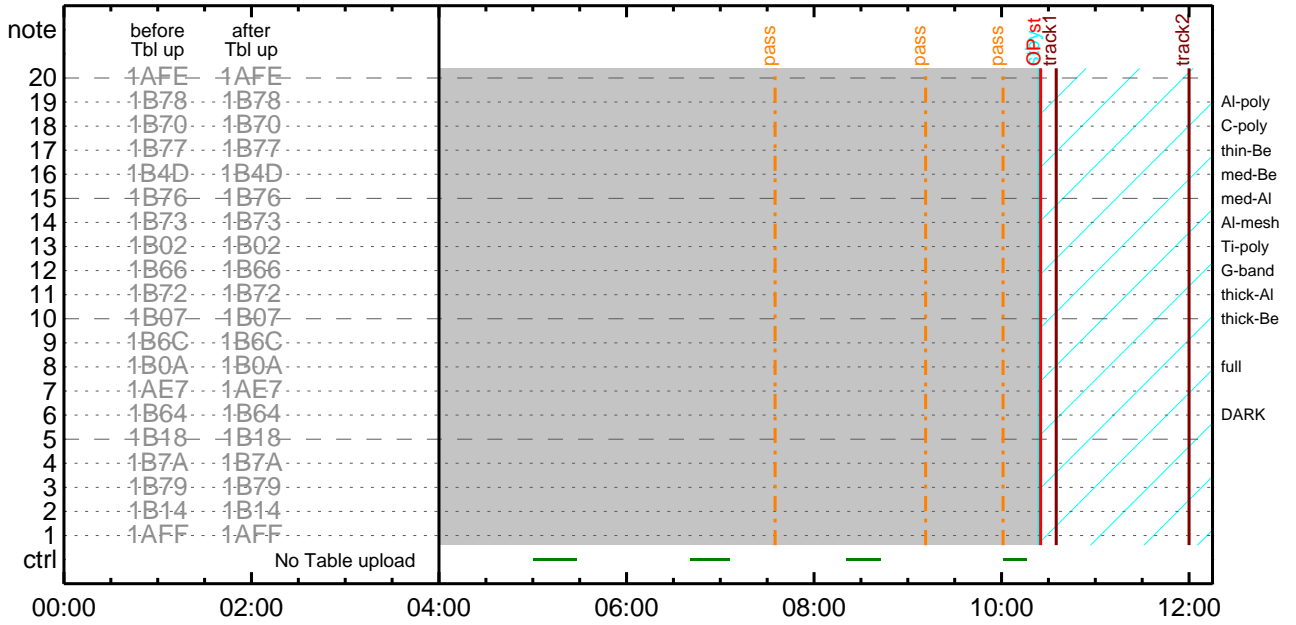
* * * * *

Flare Detection

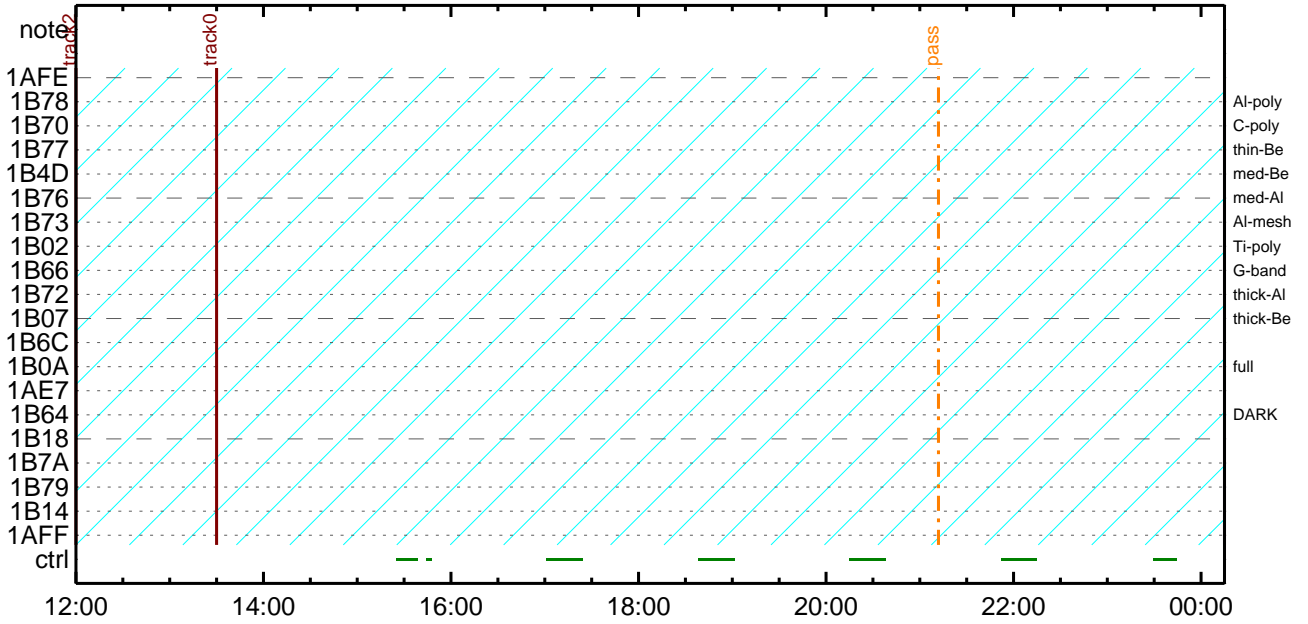
* * * * *

NOT USED

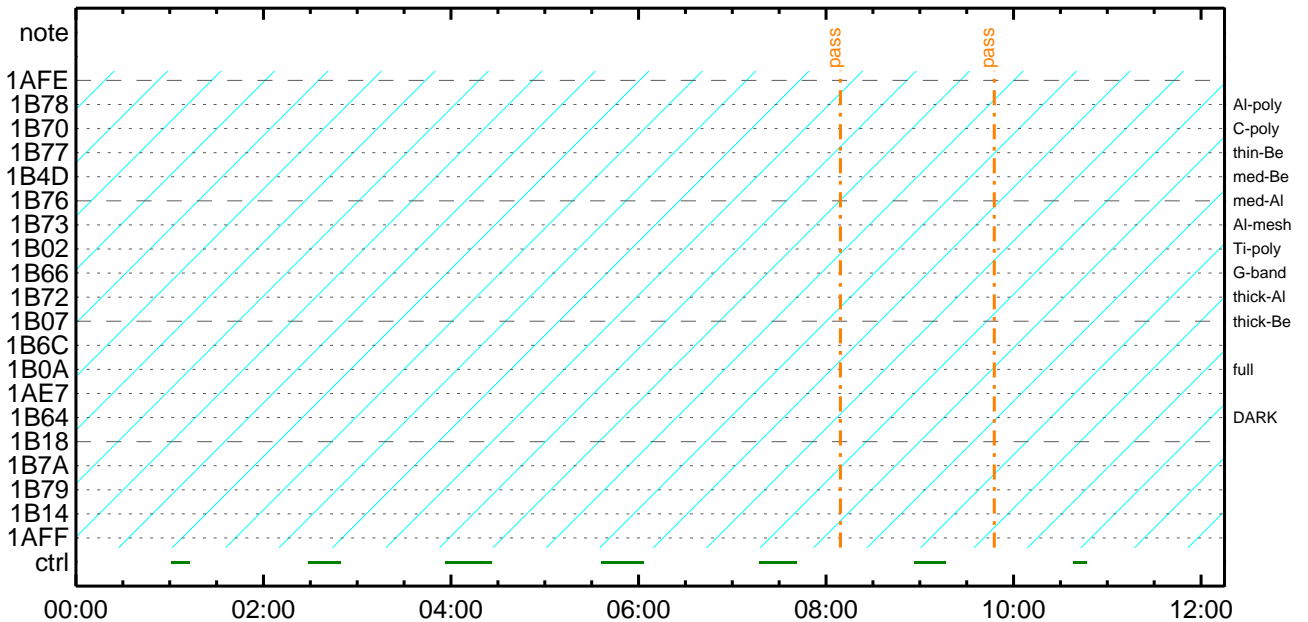
CMDI #0666 2017/04/06



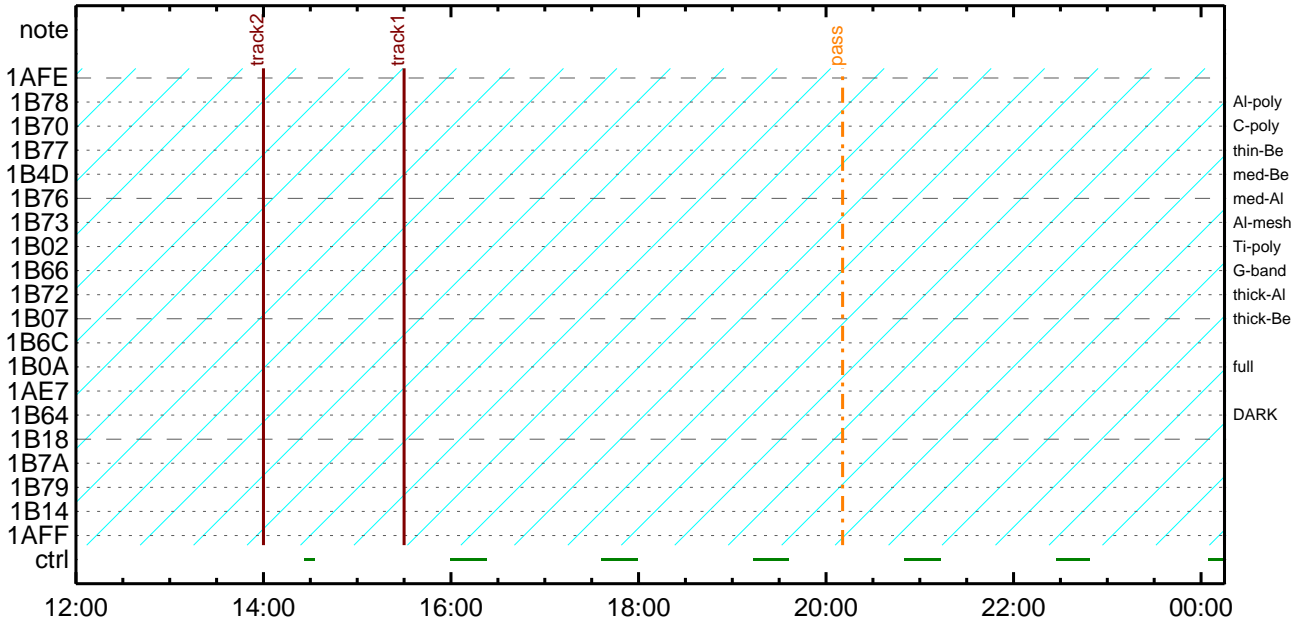
CMDI #0666 2017/04/06



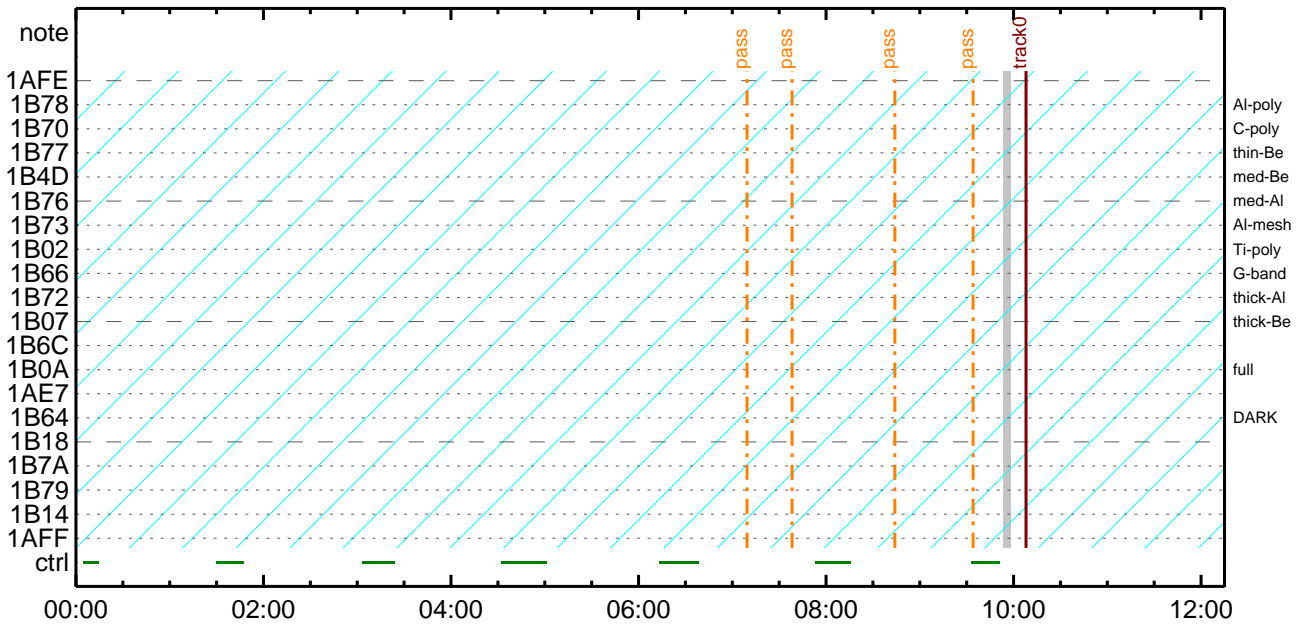
CMDI #0666 2017/04/07



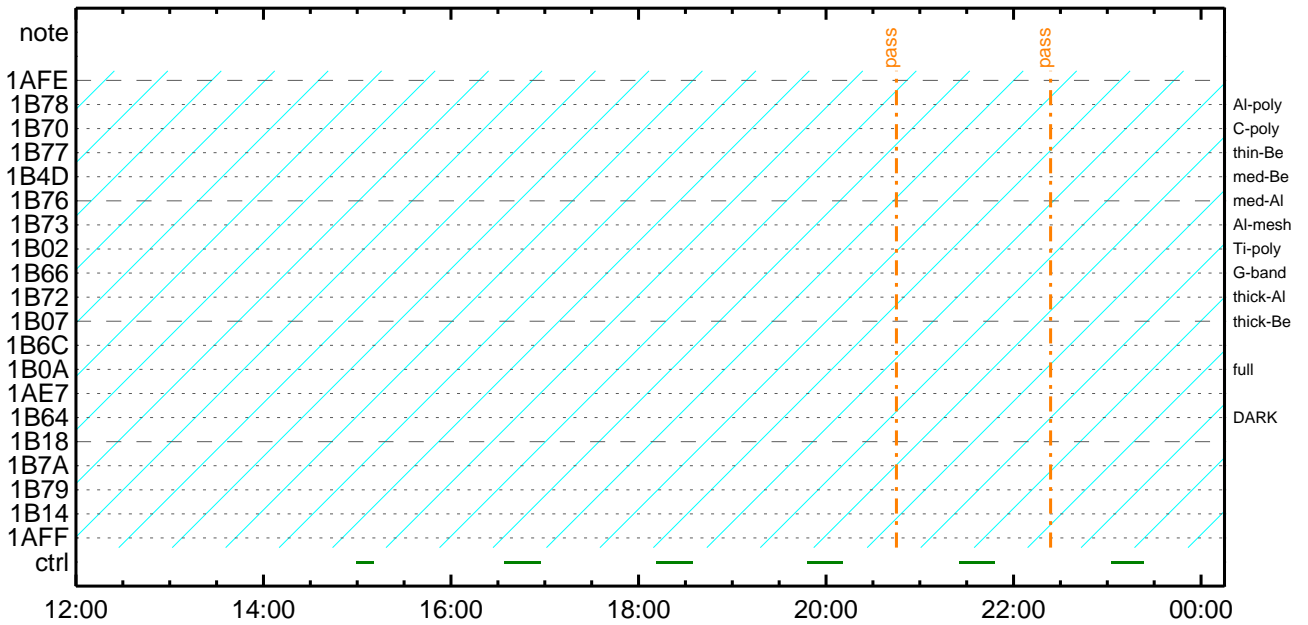
CMDI #0666 2017/04/07



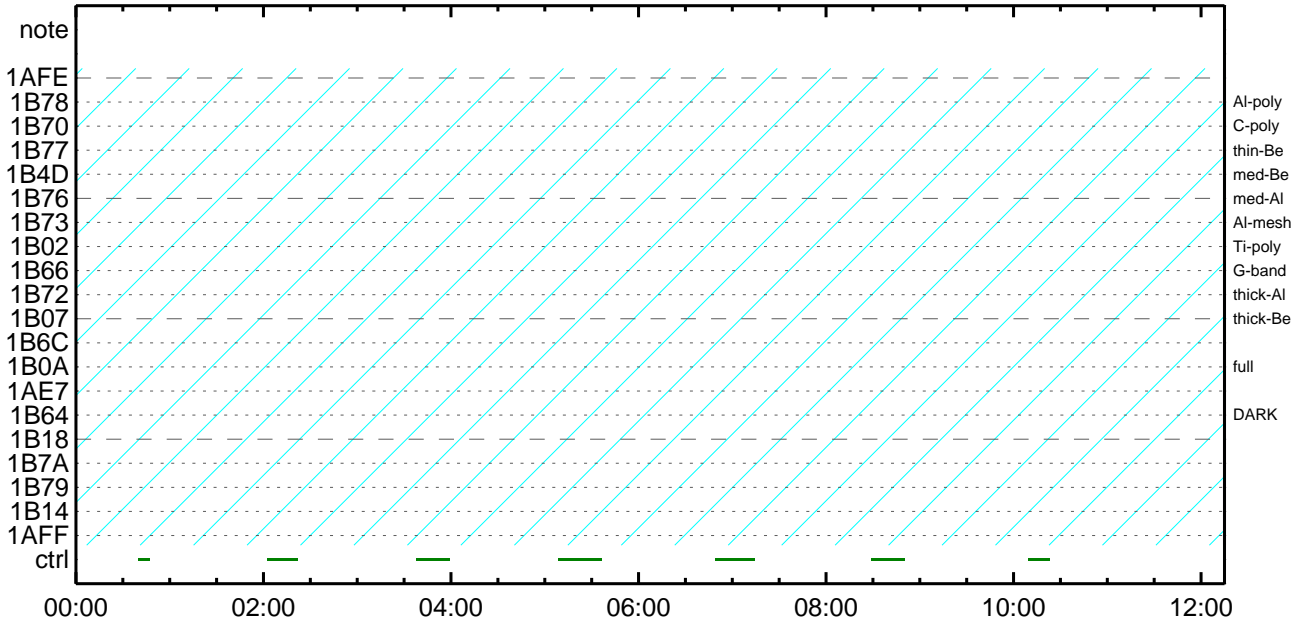
CMDI #0666 2017/04/08



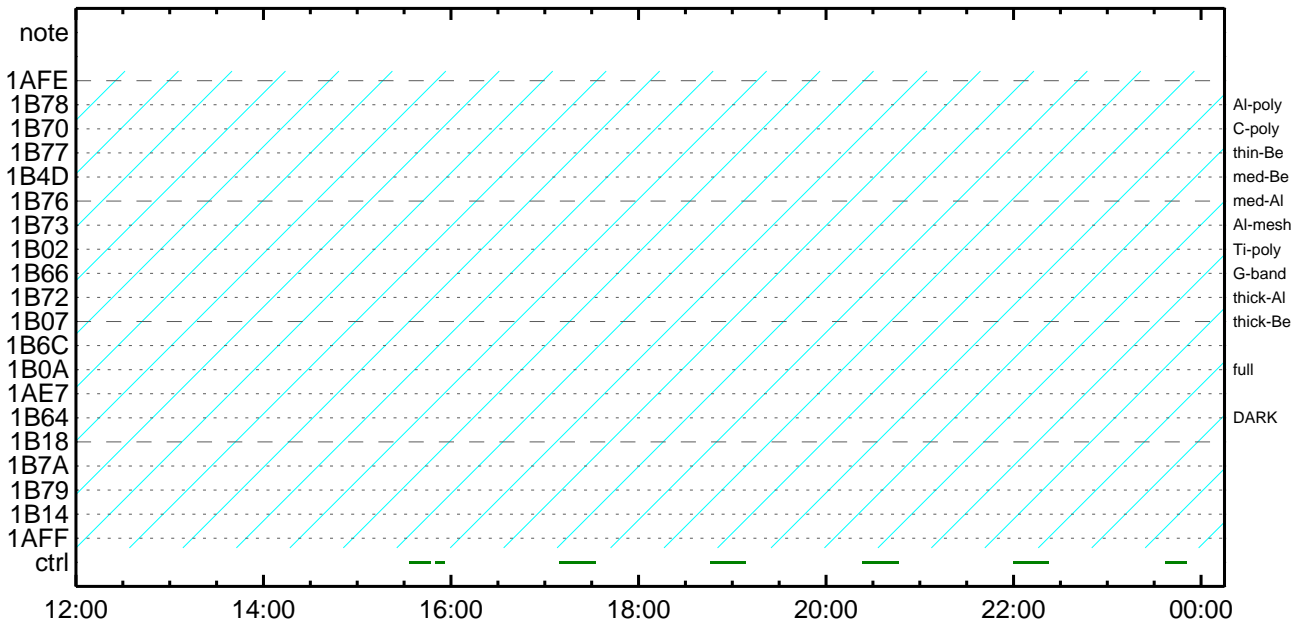
CMDI #0666 2017/04/08



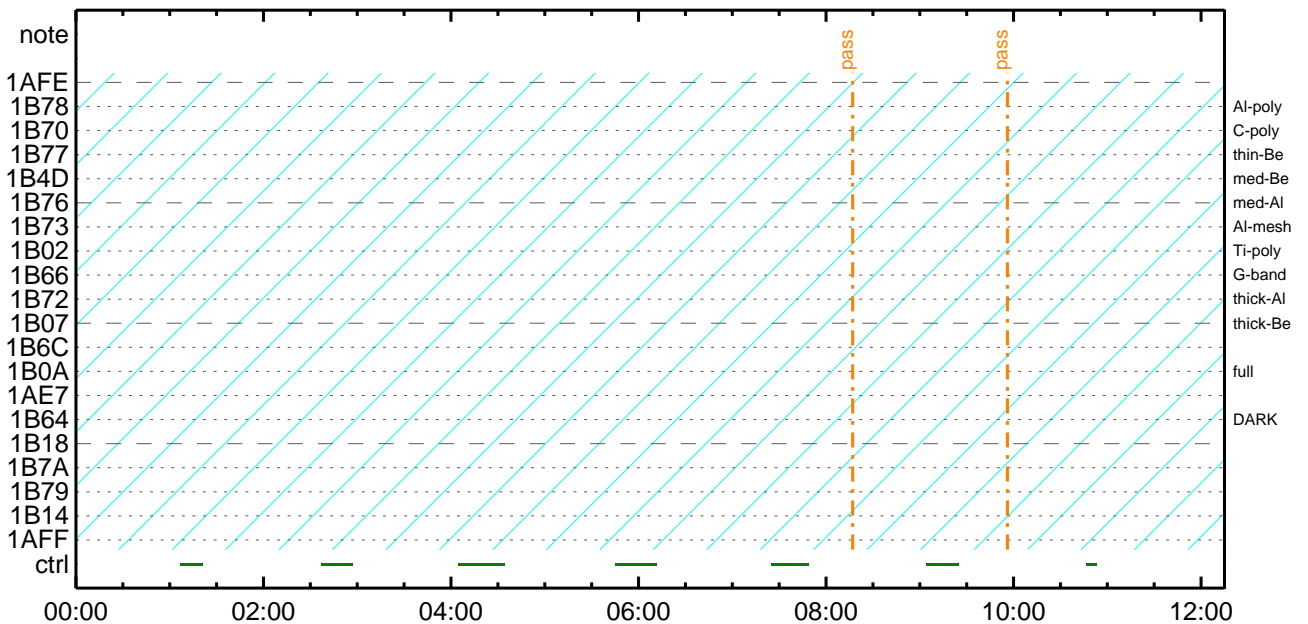
CMDI #0666 2017/04/09



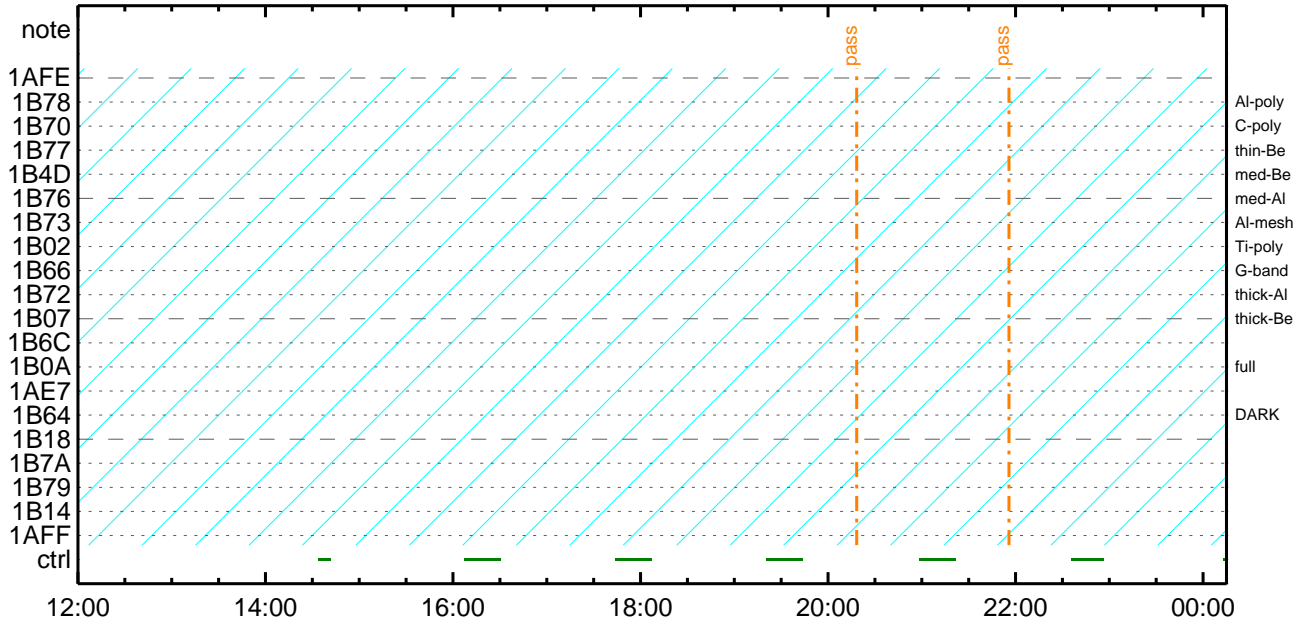
CMDI #0666 2017/04/09



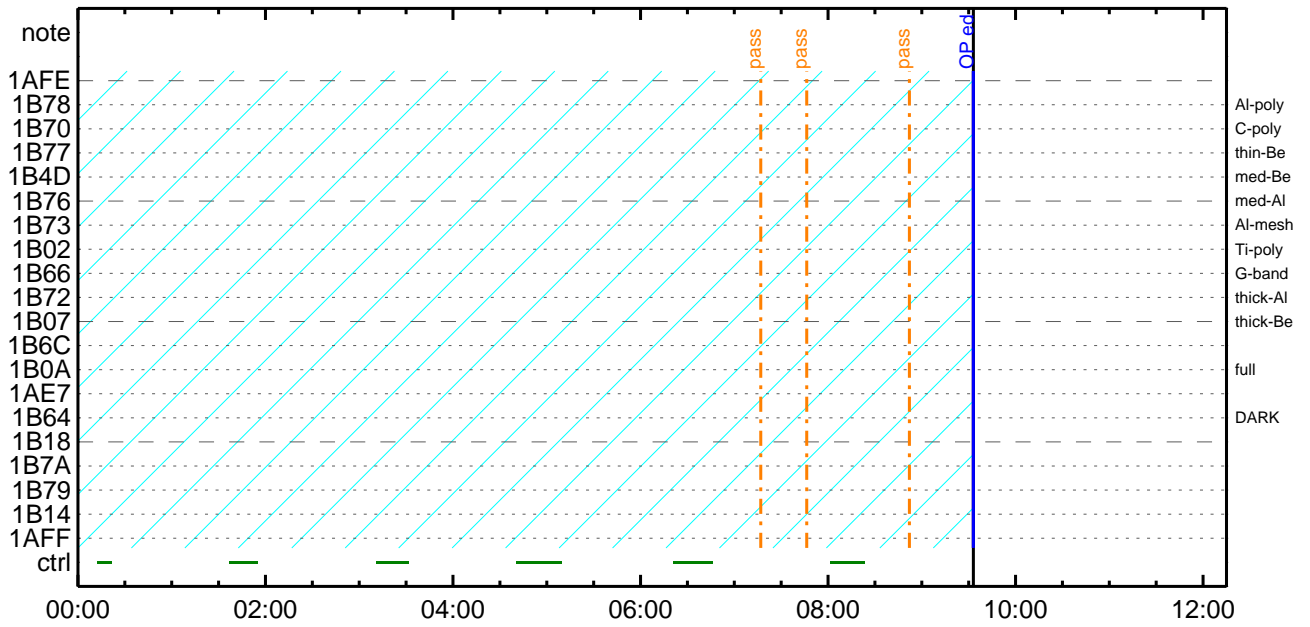
CMDI #0666 2017/04/10



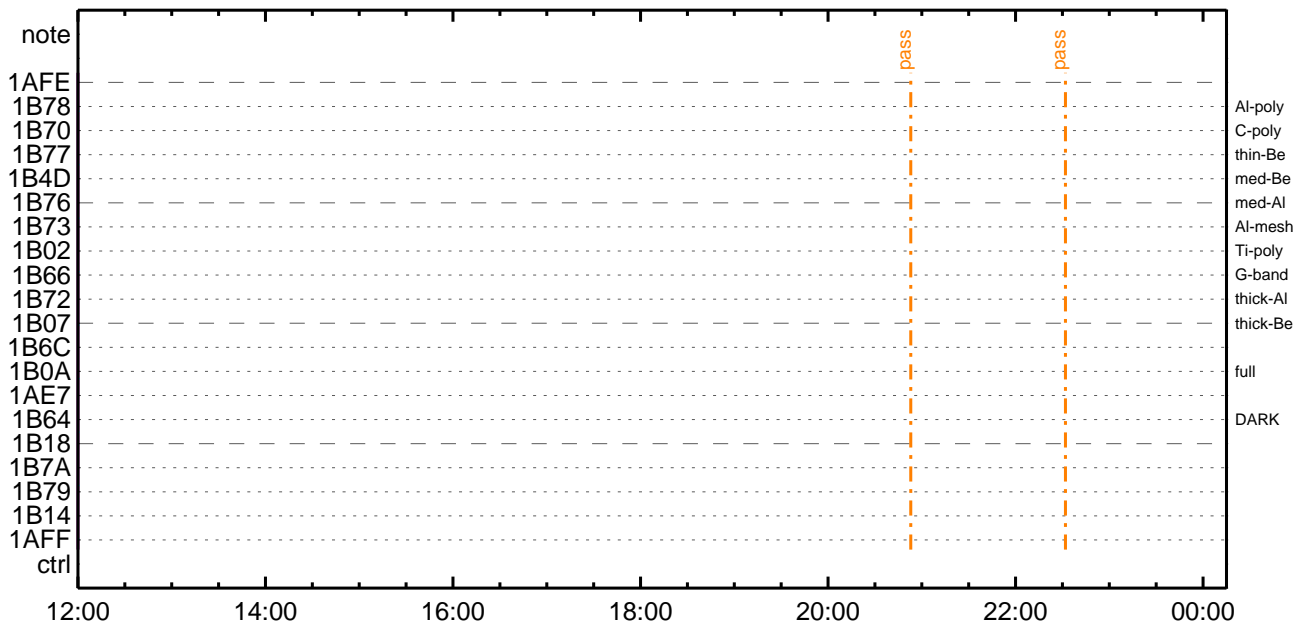
CMDI #0666 2017/04/10



CMDI #0666 2017/04/11



CMDI #0666 2017/04/11




```
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-528:OP
0104 ( )
0105 S. OG og-528: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»ð³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGãî½E¹ç•è²îOKãð³îÇ§
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»ð³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGãî½E¹ç•è²îOKãð³îÇ§
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»ð³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPãî½E¹ç•è²îOKãð³îÇ§
0165 C.
0166 C. ***** òE²¼òî½Ã´¶Á°òEÈ-ò°Ã÷¿@ (¼ãµ-YAYOXx½E½ççãðÃÓÃæç¼ª°ãðE¼i¹çççã) *****
0167 C. DHUYã;4YE;E½Y½;Yi;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 UPLOADã-Ã÷¿@NGUî½i¹ç;ç°E²¼òîTI-CMDÃ÷¿@ãî½Ã¹Òã•òEòã³òE;f
0180 C. ãðã¿;çSETãEDUMPAîE±°iYNY¹ç¹Òã|ã³òE;f
0181 C.
0182 C. TIY³YpYóYEòðÃDî¿(UT)
0183 +. TI 2017-04-06 10:20:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2017-04-06 10:20:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2017-04-06 10:20:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
```

```
0194 C.
0195 +. TI 2017-04-06 10:24:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °È²¼ɑĩÄē%ĩĩñɑîŷÄŷ$ŷÄŷ-¹àîÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]        EQ          ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ          4
0202 C.          çç[HK1_NEXT_EXEC_PIM]        EQ          DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]        EQ          0xB3
0204 C.
0205 . C. *****
0206 C. TIîî°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]      EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]      EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]      EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]        EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]        EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]       EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]    EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]       EQ          EXEC
0224 C.
0225 . C. ŷÄŷÖŷ×½ªî»ɑð³îç$
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ          NON
0227 C.
0228 . C. RAM ID=TI_TBLɑîŷÈ¹ç•è²îOKɑð³îç$
0229 C.
0230 . C. DHUŷâ;¼ŷÈ;Èŷ½. ŷî;¼ŷÈ;Èɑðîãɑ¹
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 2017-04-06 10:24:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC          (21 02)
0247 +. TI 2017-04-06 10:24:40.0
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. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2017-04-06 10:24:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC          (c3)
0260 . C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 . C. ***** MDP ´ûÃîɑî»ò¼ŷɑÈÄðɑ¹ɑèDCBC•×²è *****
0265 C. (¼ª°îŷÖŷÄŷÈŷŷŷÈŷŷŷâŷçŷèè²¼ɑ¼ª»Ûɑ¹ɑè)
0266 . S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 . C. ***** ŷĐŷ¹.İ Daily±;îñɑÈ´Øɑ¹ɑèDCBC•×²è *****
0271 . S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 . C. ĵãLOSŷÄŷ$ŷÄŷ-¼ª»Û;ã
0276 C.
0277 . C. ***** LOS *****
0278 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-530 2017-04-06 15:25:21 29 33 SOLAR-B MAIN //
0001      C.
0002      . C. ***** AOS *****
0003      C.
0004      . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005      C.
0006      C. YÀYB;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008      C.
0009      . C. ***** AOCs : Reload orbital element (send every contact) *****
0010      C.  Áí;È□¿Á□•µ°Æ»Í×ÁÇ□íYçYÁY×Yí;¼YÉ;ÈÈè%µ•íÍÉ;È□È¼°ÇÖ□•□¿¼í¹ç□í;çÀ®, ù□¹□è□□çÁ+¿®□•□È□□□³□È;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012      C.
0013      C.
0014      C.
0015      . C. ***** MDP ´úÁí□í»ô¼Y□ÈÁ□¹□èDCBC•x²è *****
0016      C. (¼á°íYÓYÁYÈYB¥ÈYáYçYè□È%¼□□¼Á»Û□¹□è)
0017      . S. DC-BC dcbc-402:DCBC
0018      (MDP_known_event)
0019      C.
0020      C.
0021      . C. ***** YD¥¹•İ Daily+¿ÍÑ□È´Ø□¹□èDCBC•x²è *****
0022      . S. DC-BC dcbc-153:DCBC
0023      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024      C.
0025      C.
0026      . C. ;ãLOS¥ÁY$YÁY-¼Á»Û;ã
0027      C.
0028      . C. ***** LOS *****
0029      C.
```

*** OP Sequence for XRT ***

2017/04/06	10:35:00.0	AOCS_ORe-point_Start_1_OG	[0x097]								
		AOCU_NM		5	02-76	01	00	00	00	00	00
2017/04/06	12:00:00.0	AOCS_ORe-point_Start_2_OG	[0x098]								
		AOCU_NM		5	02-76	02	02	f1	01	f3	
2017/04/06	13:30:00.0	AOCS_ORe-point_Start_3_OG	[0x099]								
		AOCU_NM		5	02-76	00	54	72	00	00	
2017/04/07	14:00:00.0	AOCS_ORe-point_Start_4_OG	[0x09a]								
		AOCU_NM		5	02-76	02	00	00	00	00	
2017/04/07	15:30:00.0	AOCS_ORe-point_Start_1_OG	[0x097]								
		AOCU_NM		5	02-76	01	00	00	00	00	
2017/04/08	10:08:00.0	AOCS_ORe-point_Start_5_OG	[0x09b]								
		AOCU_NM		5	02-76	00	00	00	00	00	