

# XRT Timeline to be uploaded on 2015/09/15

Period: 2015/09/15 10:54:00 - 2015/09/19 10:16:00

\* \* \* \* \*

**Normal mode**

\* \* \* \* \*

NOT USED

\* \* \* \* \*

**Flare mode**

\* \* \* \* \*

NOT USED

\* \* \* \* \*

**Active Region Search**

\* \* \* \* \*

NOT USED

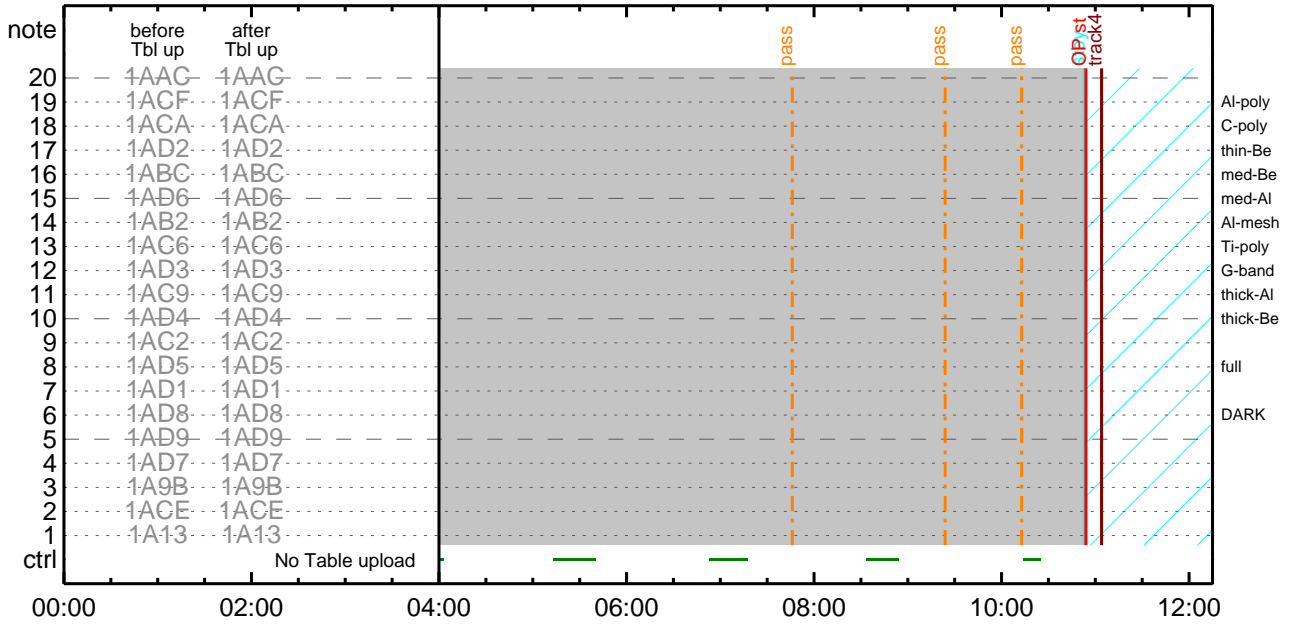
\* \* \* \* \*

**Flare Detection**

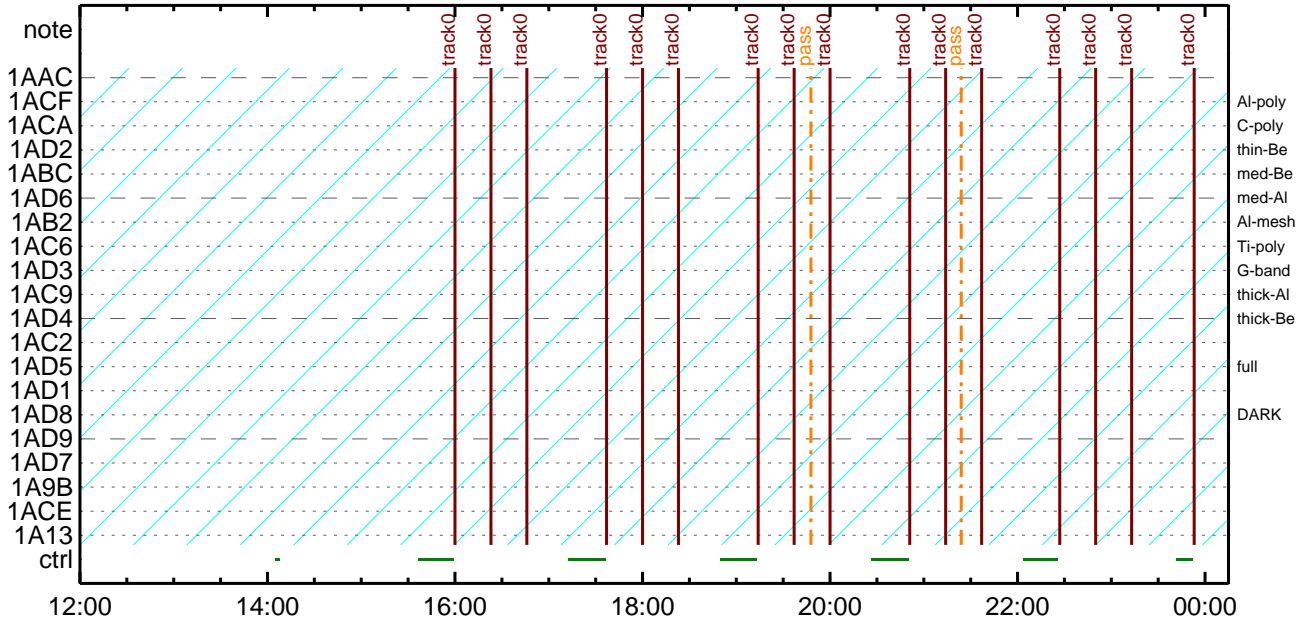
\* \* \* \* \*

NOT USED

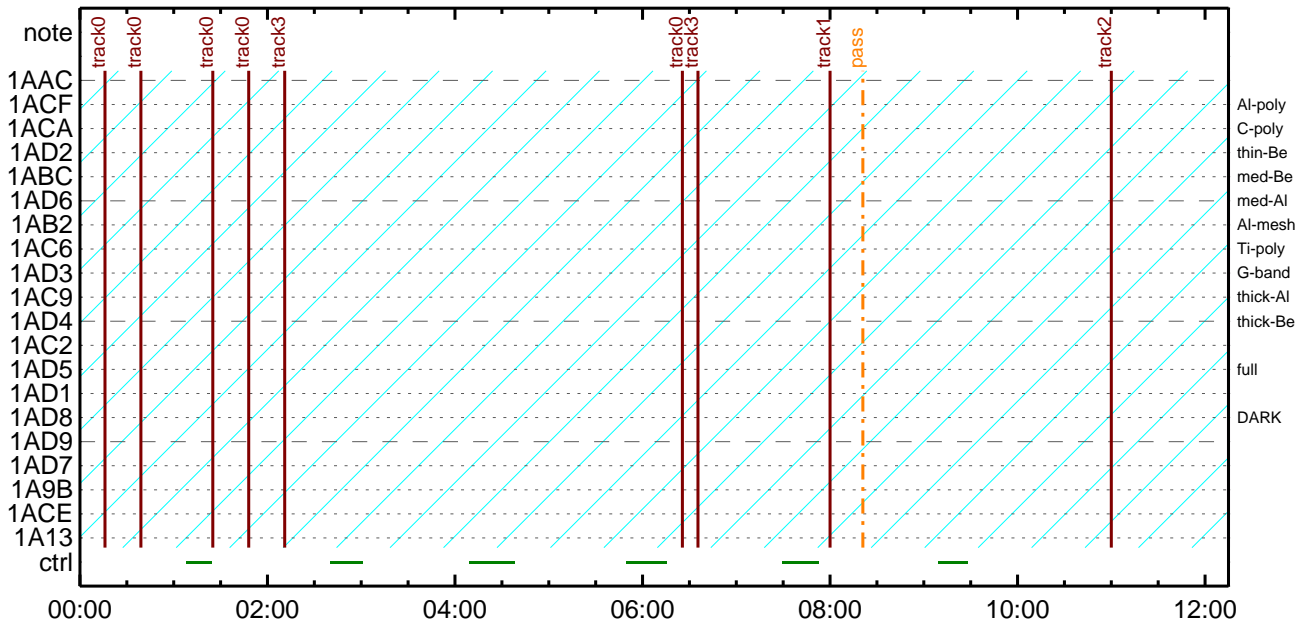
### CMDI #0397 2015/09/15



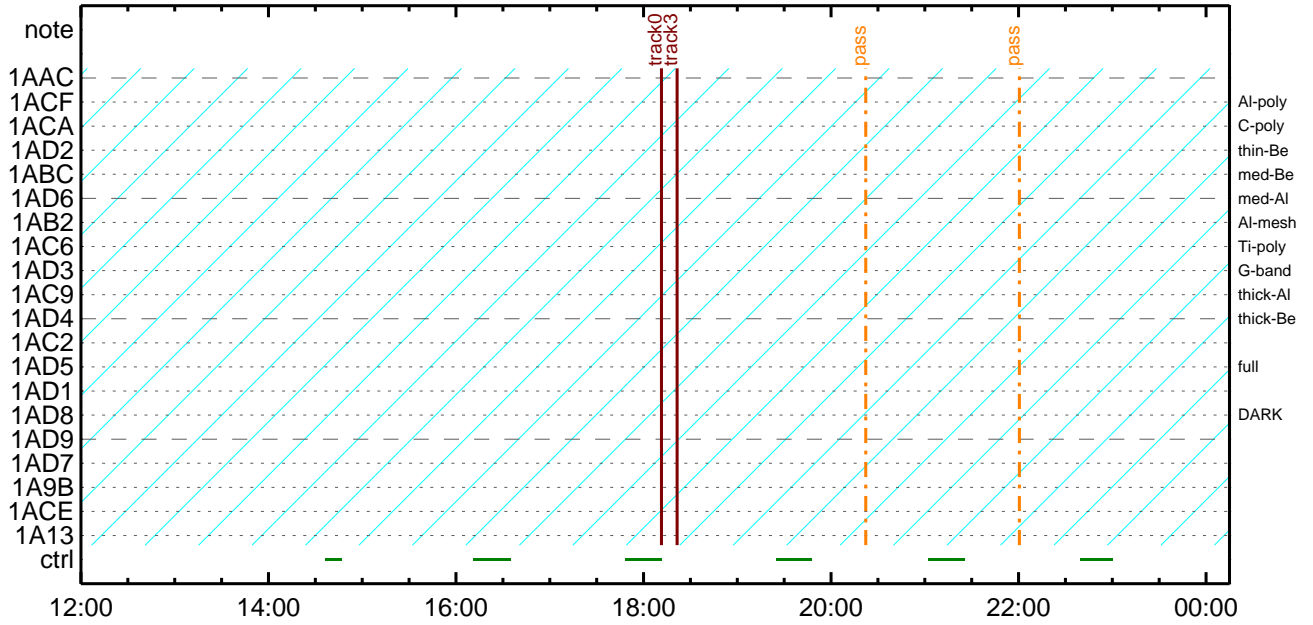
### CMDI #0397 2015/09/15



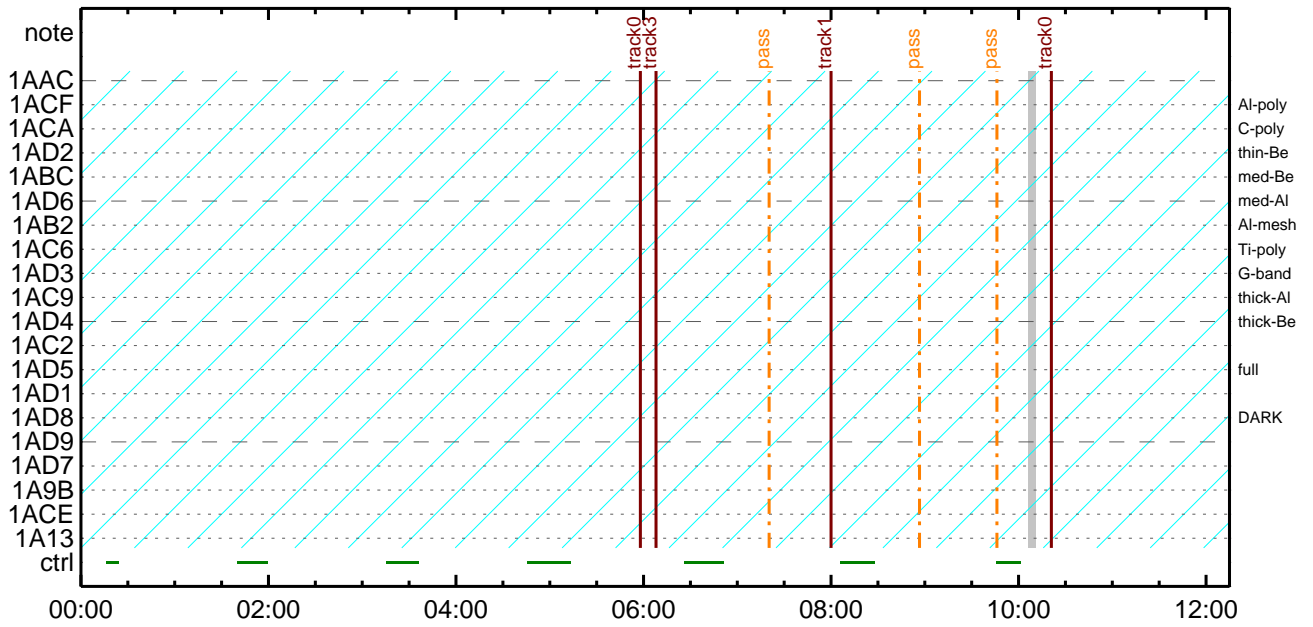
### CMDI #0397 2015/09/16



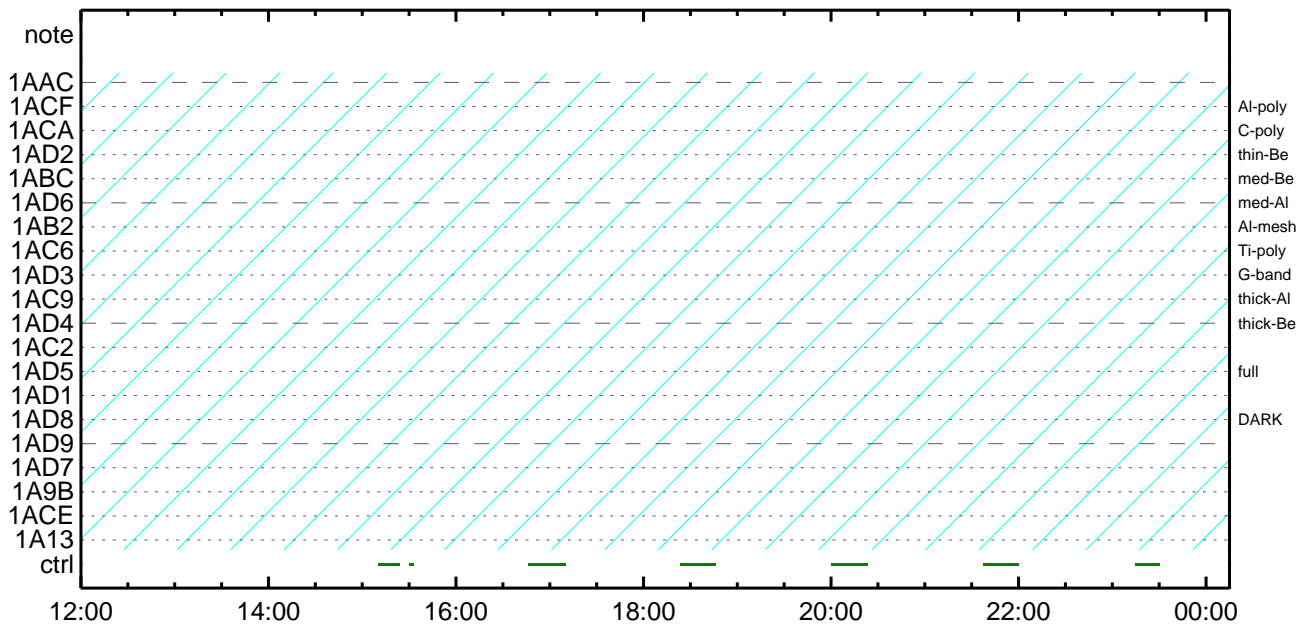
CMDI #0397 2015/09/16



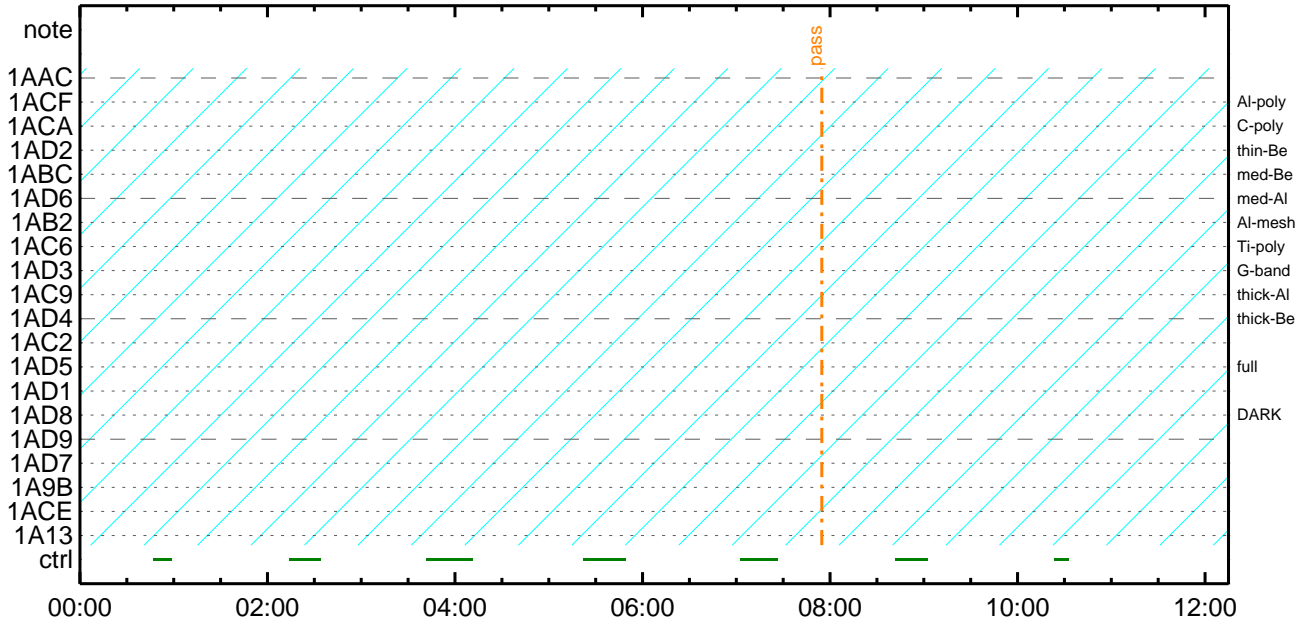
CMDI #0397 2015/09/17



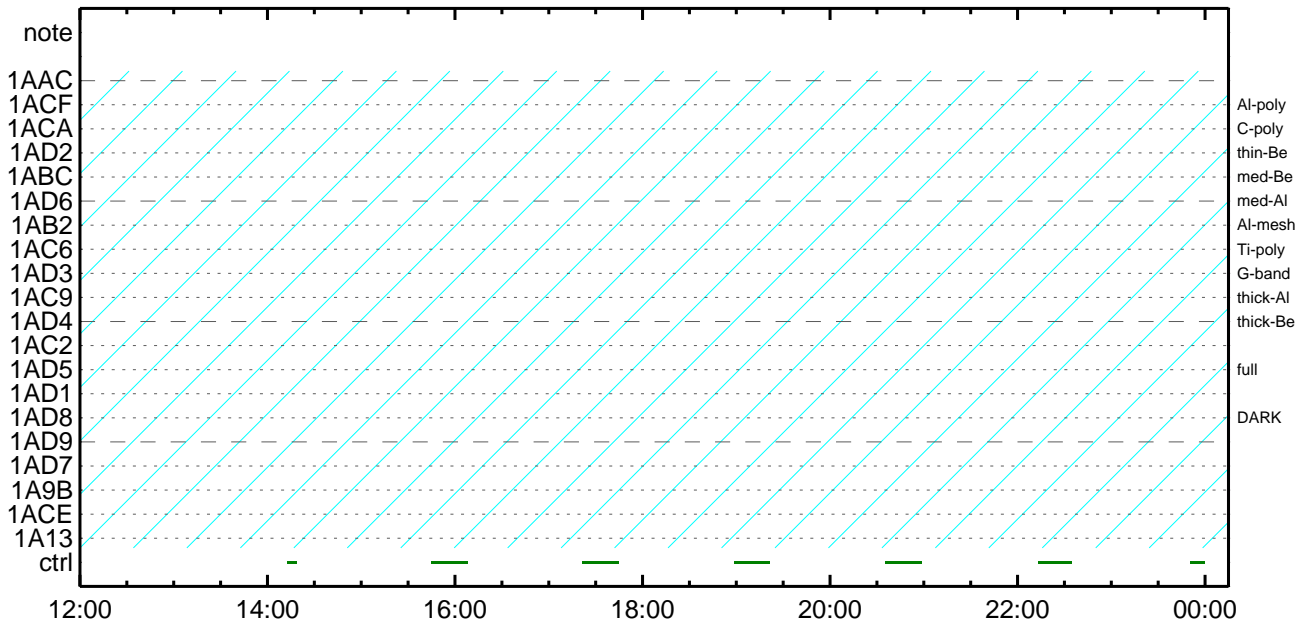
CMDI #0397 2015/09/17



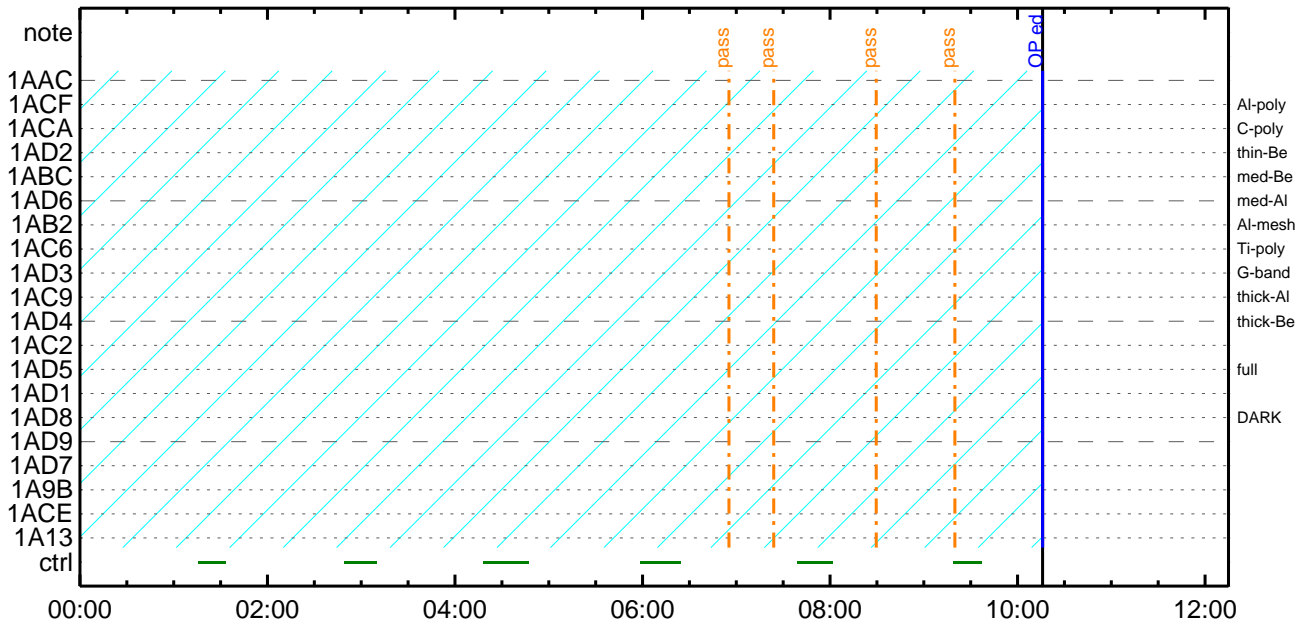
CMDI #0397 2015/09/18



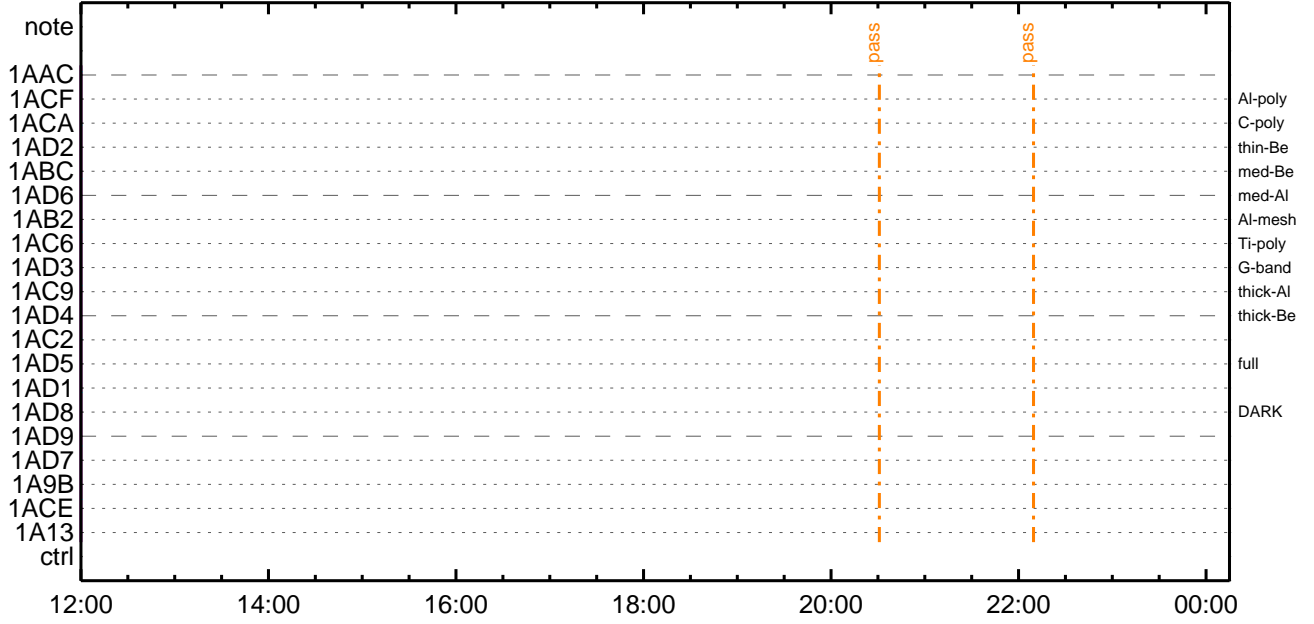
CMDI #0397 2015/09/18



CMDI #0397 2015/09/19



CMDI #0397 2015/09/19





```

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-374:OP
0104 ( )
0105 S. OG og-374:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°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=NMOG²î½Ê¹ç•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=NMOG²î½Ê¹ç•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=OP²î½Ê¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °Ê²¼òî½Ã´¶Á°òÊÊ¬ò°Á÷¿@ (¼âµ-YAYOYx½ê½çòðÁÔÃæç¼ª°¬²è¼î¹çççâ) *****
0167 C. DHUYâ;4YE;Ê½Y½;Yî;4YE;Êòðîã¹
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°Ê²¼òîTI-CMDÁ÷¿@²î½î¹ç°²è¼î¹çççâ³²è;f
0180 C. çç[HK1_DMP_CHK_FLG] EQ NON
0181 C.
0182 C. TIY³YpYóYÊòðÁDî¿¿(UT)
0183 +. TI 2015-09-15 10:49:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2015-09-15 10:49:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2015-09-15 10:49:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2015-09-15 10:53:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼õİÄë%İİñõİŷÄŷ§ŷÄŷ-¹àİÜ
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. TIİİ°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×½ªİ»õ³İÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]                         EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLõİ¼È¹ç•è²İOKõõ³İÇ§
0229 C.
0230 C. DHUŷã;¼ŷÈ;È¼ŷ¼. ŷİ;¼ŷÈ;Èõõİãõ¹
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 2015-09-15 10:53:16.0
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 2015-09-15 10:53:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2015-09-15 10:53:40.0
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 2015-09-15 10:53:00.0
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 ´úÃİõİ»ö¼ŷõÈÄõõ¹õèDCBC•x²è *****
0276 C. (%ã°İŷÖŷÄŷÈŷŷŷÄŷÇŷèõÈ¼õõ¼Ã»Üõ¹õè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷĐŷ¹•İ Daily±çİñõÈ'õõ¹õèDCBC•x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ã»Ü;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```





```
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 = 6102610.2 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. Verify EIS_MODE_CHG_FLG is ENA
0142 +. DC 07-FC EIS_MODE_MANU
0143 BC (21 02)
0144 . C. Verify EIS in MANUAL mode
0145 . C. Estimated OBSTBL upload time is 1ml0s
0146 C. *****
0147 C. EIS START OBSTBL LOAD
0148 C. *****
0149 . S. RAM ram-820:EIS_OBSTBL
0150 ( )
0151 +. DC 07-FC EIS_DUMP_OBSTBL
0152 BC (07 07 07 00 00 70 00)
0153 C.
0154 C. Execute, after the success of OBSTBL upload.
0155 C. Set EIS TI-commands
0156 +. TI 2015-09-15 10:53:50.0
0157 DC 07-FC EIS_MODE_CHG_ENA
0158 BC (20)
0159 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0160 C. *****
0161 C. EIS END OBSTBL LOAD
0162 C. *****
0163 C.
0164 . C. ***** MDP `úÃîâî»ö¼ÝðĒĀð¹ñēDCBC•x²è *****
0165 C. (%ã°îÿÓÿÄÿĒÿÏÿËÿÛÿÇÿĒÿĒÿ¼ã¼Ā»Û¹ñē)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** ÝĐÿ¹•Ī Daily±;ĪÑñĒ'Ø¹ñēDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSÿÁÿSÿÛÿÛÿ¼Ā»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-376 2015-09-15 13:05:58 90 33 SOLAR-B MAIN //
0001   C.
0002   . C. ***** AOS *****
0003   C.
0004   . C. ;ãAOSYÁY$YÁY~¼Á»Û;ä
0005   C.
0006   C. YÁY$;¼Y³YFYóYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008   C.
0009   . C. ***** AOCs : Reload orbital element (send every contact) *****
0010   C.   Áí;Ë¿òÄò•µ°»Í×ÁÇòÍYçYÁY×YÍ;¼YÉ;ËÈèµ•ííË;ËòÈ¼°ÇÔò•ò¿¼í¹çòí;çÁ®, ùò¹òÈòòòçÁ+¿®ò•òËòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012   C.
0013   C.
0014   . C. *****
0015   C.   SOT table upload
0016   C. *****
0017   . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019   BC          (61)
0020   C. -----
0021   C.   MDP_SP_CTRL_MODE          = MANU      [ ]
0022   C. -----
0023   C.
0024   . C. <Upload SP Observation Table>
0025   . S. RAM  ram-281:MDP_OBS_S
0026   ( )
0027   C.
0028   . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030   BC          (83 07 00 00 00 38 b8)
0031   C. -----
0032   C.   MDP_OBS_S verify = OK/NG      [ ]
0033   C. -----
0034   C.
0035   . C. < Upload DPL table >
0036 +. DC 07-F0 MDP_FG_CTRL_MANU
0037   BC          (51)
0038   C. -----
0039   C.   MDP_FG_CTRL_MODE          = MANU      [ ]
0040   C. -----
0041   C.
0042   C. YçYÁY×YÍ;¼YÉòÍÁ°òËSTS_CHKòòOFFòËò¹òÈ
0043   C.
0044   . S. RAM  ram-271:MDP_DPL
0045   ( )
0046   C.
0047   . C. < Dump RAMID=MDP_DPL >
0048 +. DC 07-F0 MDP_DUMP_FGTBL
0049   BC          (82 07 00 38 b8 00 40)
0050   C. -----
0051   C.   MDP_DPL verify            = OK      [ ]
0052   C. -----
0053   C.
0054   C. STS_CHKòòONòËò¹òÈ
0055   C.
0056   . C. < Update MDP DSC PAR1 >
0057 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0058   BC          (4c)
0059   C.   MDP_CMD_CODE              = F04C0700[ ]
0060   C.   MDP_CMD_CNT              (count-up 1) [ ]
0061   C. -----
0062   C.
0063   C.
0064   C. *****
0065   C.   SOT TI command set
0066   C. *****
0067   C. Execute, after the success of TBL upload.
0068 +. TI 2015-09-15 10:53:18.0
0069   DC 07-F0 MDP_SOT_MODE_OBSV
0070   BC          (40)
0071   C. -----
0072   C.   HK1_TI_CMD_NUM            = 1 CNTUP [ ]
0073   C. -----
0074   C.
0075   C.
0076   . C. ***** MDP ´ûÁíòí»ò¼YòËÁòò¹òÈDCBC•x²è *****
0077   C. (%á°íYÓYÁYËYBYÉYÁYçYÈòÈ%¼òò¼Á»Ûò¹òÈ)
0078   . S. DC-BC dcbc-402:DCBC
0079   (MDP_known_event)
0080   C.
0081   C.
0082   . C. ***** YDY¹.ï Daily+¿ÍñòË´Øò¹òÈDCBC•x²è *****
0083   . S. DC-BC dcbc-153:DCBC
0084   (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0085   C.
0086   C.
0087   . C. ;ãLOSÁY$YÁY~¼Á»Û;ä
0088   C.
0089   . C. ***** LOS *****
0090   C.
```

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

|            |            |   |   |       |    |    |    |    |    |
|------------|------------|---|---|-------|----|----|----|----|----|
| 2015/09/15 | 11:04:00.0 | AOCS_ORe-point_Start_1_OG [0x097]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 |
| 2015/09/15 | 16:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 56 | 4d | 01 | 68 |
| 2015/09/15 | 16:23:00.0 | AOCS_ORe-point_Start_3_OG [0x099]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 4d | 68 | 01 | 68 |
| 2015/09/15 | 16:46:00.0 | AOCS_ORe-point_Start_4_OG [0x09a]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 44 | 8b | 01 | 68 |
| 2015/09/15 | 17:37:00.0 | AOCS_ORe-point_Start_5_OG [0x09b]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 3b | a5 | 01 | 68 |
| 2015/09/15 | 18:00:00.0 | AOCS_ORe-point_Start_6_OG [0x09c]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 32 | c0 | 01 | 68 |
| 2015/09/15 | 18:23:00.0 | AOCS_ORe-point_Start_7_OG [0x09d]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 29 | db | 01 | 68 |
| 2015/09/15 | 19:14:00.0 | AOCS_ORe-point_Start_8_OG [0x09e]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 20 | fd | 01 | 68 |
| 2015/09/15 | 19:37:00.0 | AOCS_ORe-point_Start_9_OG [0x09f]       |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 18 | 18 | 01 | 68 |
| 2015/09/15 | 20:00:00.0 | AOCS_ORe-point_Start_10_OG [0x0a0]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 0f | 33 | 01 | 68 |
| 2015/09/15 | 20:51:00.0 | AOCS_ORe-point_Start_11_OG [0x0a1]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 06 | 4d | 01 | 68 |
| 2015/09/15 | 21:14:00.0 | AOCS_ORe-point_Start_12_OG [0x0a2]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | fe | 4e | 01 | 68 |
| 2015/09/15 | 21:37:00.0 | AOCS_ORe-point_Start_13_OG [0x0a3]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | f5 | 69 | 01 | 68 |
| 2015/09/15 | 22:27:00.0 | AOCS_ORe-point_Start_14_OG [0x0a4]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | ec | 8c | 01 | 68 |
| 2015/09/15 | 22:50:00.0 | AOCS_ORe-point_Start_15_OG [0x0a5]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | e3 | a6 | 01 | 68 |
| 2015/09/15 | 23:13:00.0 | AOCS_ORe-point_Start_16_OG [0x0a6]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | da | c1 | 01 | 68 |
| 2015/09/15 | 23:53:00.0 | AOCS_ORe-point_Start_17_OG [0x0a7]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | d1 | dc | 01 | 68 |
| 2015/09/16 | 00:16:00.0 | AOCS_ORe-point_Start_18_OG [0x0a8]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | c8 | fe | 01 | 68 |
| 2015/09/16 | 00:39:00.0 | AOCS_ORe-point_Start_19_OG [0x0a9]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | c0 | 19 | 01 | 68 |
| 2015/09/16 | 01:25:00.0 | AOCS_ORe-point_Start_20_OG [0x0aa]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | b7 | 34 | 01 | 68 |
| 2015/09/16 | 01:48:00.0 | AOCS_ORe-point_Start_21_OG [0x0ab]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | ae | 4e | 01 | 68 |
| 2015/09/16 | 02:11:00.0 | AOCS_ORe-point_Start_22_OG [0x0ac]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 03 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 06:25:30.0 | AOCS_ORe-point_Start_23_OG [0x0ad]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 06:35:30.0 | AOCS_ORe-point_Start_22_OG [0x0ac]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 03 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 08:00:00.0 | AOCS_ORe-point_Start_24_OG [0x0ae]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 01 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 11:00:00.0 | AOCS_ORe-point_Start_25_OG [0x0af]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 18:11:30.5 | AOCS_ORe-point_Start_23_OG [0x0ad]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2015/09/16 | 18:21:30.0 | AOCS_ORe-point_Start_22_OG [0x0ac]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 03 | 00 | 00 | 00 | 00 |
| 2015/09/17 | 05:58:00.0 | AOCS_ORe-point_Start_23_OG [0x0ad]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2015/09/17 | 06:05:00.0 | XRT_TCIB_XRT_S_HTR_A_DIS_416_OG [0x1a0] |   |       |    |    |    |    |    |
|            |            | TCIB_XRT_S_HTR_A_DIS                    | 0 | 04-C0 |    |    |    |    |    |
| 2015/09/17 | 06:08:00.0 | AOCS_ORe-point_Start_22_OG [0x0ac]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 03 | 00 | 00 | 00 | 00 |
| 2015/09/17 | 08:00:00.0 | AOCS_ORe-point_Start_24_OG [0x0ae]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 01 | 00 | 00 | 00 | 00 |
| 2015/09/17 | 10:21:00.0 | AOCS_ORe-point_Start_23_OG [0x0ad]      |   |       |    |    |    |    |    |
|            |            | AOCU_NM                                 | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |