

XRT Timeline to be uploaded on 2008/07/10

Period: 2008/07/10 10:25:00 - 2008/07/15 10:15:00

* * * * *

Normal mode

* * * * *

| XOB #1563: CCD Monitor During Bakeout - G-band + dark - wide FOV | | | | | | | | | | | | |
|--|---|-------|------|-------|-------|-----|---|------------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | | | | | | Comment | | | | | |
| 07/10 11:12:00 - 07/10 15:34:30 | Track (-21.1, 200.3) @ 07/10 10:35:00 | | | | | | # OP start + 10min, EIS sensitivity monitoring. | | | | | |
| 07/10 16:21:30 - 07/10 18:10:00 | Track (-210.3, 693.1) @ 07/10 16:00:00 | | | | | | * SOT filament observations. | | | | | |
| PROG= 15 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 600.0sec | | | | | | | | | | | | |
| └─ Seqn= 98 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 2048x256 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 2048x256 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |
| XOB #1565: CCD Monitor During Bakeout - G-band + dark - wide FOV - lower cadence (30min) | | | | | | | | | | | | |
| Term | Pointing (x, y) | | | | | | Comment | | | | | |
| 07/10 18:10:10 - 07/11 04:00:00 | Track (-210.3, 693.1) @ 07/10 16:00:00 | | | | | | * SOT filament observations. | | | | | |
| PROG= 10 Inf.-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 1800.0sec | | | | | | | | | | | | |
| └─ Seqn= 98 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 2048x256 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 2048x256 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |
| XOB #1588: Synoptic Q90 2x2 - Al/mesh(128/2048) + Dark cal(512 Q98) + Ti-poly(256/5975) + G-band(16)-rev | | | | | | | | | | | | |
| Term | Pointing (x, y) | | | | | | Comment | | | | | |
| 07/11 17:40:30 - 07/11 17:48:24 | Fixed (0.0, 0.0) | | | | | | synoptic, shifted -21.5 min | | | | | |
| 07/12 03:06:00 - 07/12 03:13:54 | Fixed (0.0, 0.0) | | | | | | synoptic, shifted manually. | | | | | |
| PROG= 13 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 55 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh | Open/Ti-poly | close | Safe | Norm | 125ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/Al-mesh | Open/Ti-poly | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └─ Seqn= 72 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/Al-mesh | Open/Al-mesh | close | Safe | Dark | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| └─ Seqn= 85 1-time(s) 4.0sec | | | | | | | | | | | | |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 250ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| └─ Seqn= 46 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 16ms | Obs | 2x2 | 2048x2048 (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 | |
| XOB #1584: CCD Monitor During Bakeout - G-Band 45ms and 63ms - 1kx1k - Q90 - 1st Quadrant-rev | | | | | | | | | | | | |
| Term | Pointing (x, y) | | | | | | Comment | | | | | |
| 07/11 18:37:06 - 07/11 18:45:00 | Fixed (-528.4, -528.4) | | | | | | # XRT four-quadrant pointing, 1 of 4. | | | | | |
| PROG= 14 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 13 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (1536, 1536) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |
| XOB #1585: CCD Monitor During Bakeout - G-Band 45ms and 63ms - 1kx1k - Q90 - 2nd Quadrant-rev | | | | | | | | | | | | |
| Term | Pointing (x, y) | | | | | | Comment | | | | | |
| 07/11 18:48:06 - 07/11 19:00:00 | Fixed (528.4, -528.4) | | | | | | * " 2 of 4. | | | | | |
| PROG= 20 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Seqn= 5 1-time(s) 12.0sec | | | | | | | | | | | | |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=90 | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=98 | 0 | 0 | 2.0sec |
| └─ Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (512, 1536) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |
| XOB #1586: CCD Monitor During Bakeout - G-Band 45ms and 63ms - 1kx1k - Q90 - 3rd Quadrant-rev | | | | | | | | | | | | |
| Term | Pointing (x, y) | | | | | | Comment | | | | | |

| PROG= 03 1-time(s) | | | | | | | | | | | | |
|------------------------------|----------------|-------|------|-------|------|-----|-----|----------------------|-------|------------|----------|--------|
| └ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └ Seqn= 19 1-time(s) 12.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (512, 512) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1587: CCD Monitor During Bakeout - G-Band 45ms and 63ms - 1kx1k - Q90 - 4th Quadrant-rev

| Term Pointing (x, y) Comment | | | | | | | | | | | | |
|--|----------------|-------|------|-------|------|-----|-----|-----------------------|-------|------------|----------|--------|
| 07/11 19:18:06 - 07/11 19:29:00 Fixed (-528.4, 528.4) * " 4 of 4. | | | | | | | | | | | | |
| PROG= 08 1-time(s) | | | | | | | | | | | | |
| └ Subr= 1 1-time(s) 12.0sec | | | | | | | | | | | | |
| └ Seqn= 54 1-time(s) 12.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=90 | 0 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be | close | Safe | Dark | 44ms | Obs | 1x1 | 1024x1024 (1536, 512) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #1589: Star Cal - 63 Gem - C/Poly (23s) + dark - 2x2 - DPCM - ROI_1

| Term Pointing (x, y) Comment | | | | | | | | | | | | |
|--|----------------|-------|------|-------|-------|-----|-----|---------------------|-------|------------|----------|--------|
| 07/12 04:12:06 - 07/12 07:35:00 Fixed (0.0, -940.0) # Pointing for X-ray star observations (no SOT observations, so can point > 935" from cen | | | | | | | | | | | | |
| PROG= 05 Inf.-time(s) | | | | | | | | | | | | |
| └ Subr= 1 1-time(s) 780.0sec | | | | | | | | | | | | |
| └ Seqn= 83 1-time(s) 25.0sec | | | | | | | | | | | | |
| C-poly/Open | C-poly/Open | close | Safe | Dark | 22.6s | Obs | 2x2 | 512x256 (1536, 256) | DPCM | 0 | 0 | 5.0sec |
| └ Seqn= 20 30-time(s) 25.0sec | | | | | | | | | | | | |
| C-poly/Open | C-poly/Open | close | Safe | Norm | 22.6s | Obs | 2x2 | 512x256 (1536, 256) | DPCM | 0 | 0 | 5.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #158A: Star Cal - 63 Gem - C/Poly (23s) + dark - 2x2 - DPCM - ROI_2

| Term Pointing (x, y) Comment | | | | | | | | | | | | |
|--|----------------|-------|------|-------|-------|-----|-----|---------------------|-------|------------|----------|--------|
| 07/12 07:37:06 - 07/12 10:10:00 Fixed (0.0, -940.0) # Pointing for X-ray star observations (no SOT observations, so can point > 935" from cen | | | | | | | | | | | | |
| PROG= 07 Inf.-time(s) | | | | | | | | | | | | |
| └ Subr= 1 1-time(s) 780.0sec | | | | | | | | | | | | |
| └ Seqn= 31 1-time(s) 25.0sec | | | | | | | | | | | | |
| C-poly/Open | C-poly/Open | close | Safe | Dark | 22.6s | Obs | 2x2 | 512x256 (1024, 384) | DPCM | 0 | 0 | 5.0sec |
| └ Seqn= 94 30-time(s) 25.0sec | | | | | | | | | | | | |
| C-poly/Open | C-poly/Open | close | Safe | Norm | 22.6s | Obs | 2x2 | 512x256 (1024, 384) | DPCM | 0 | 0 | 5.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

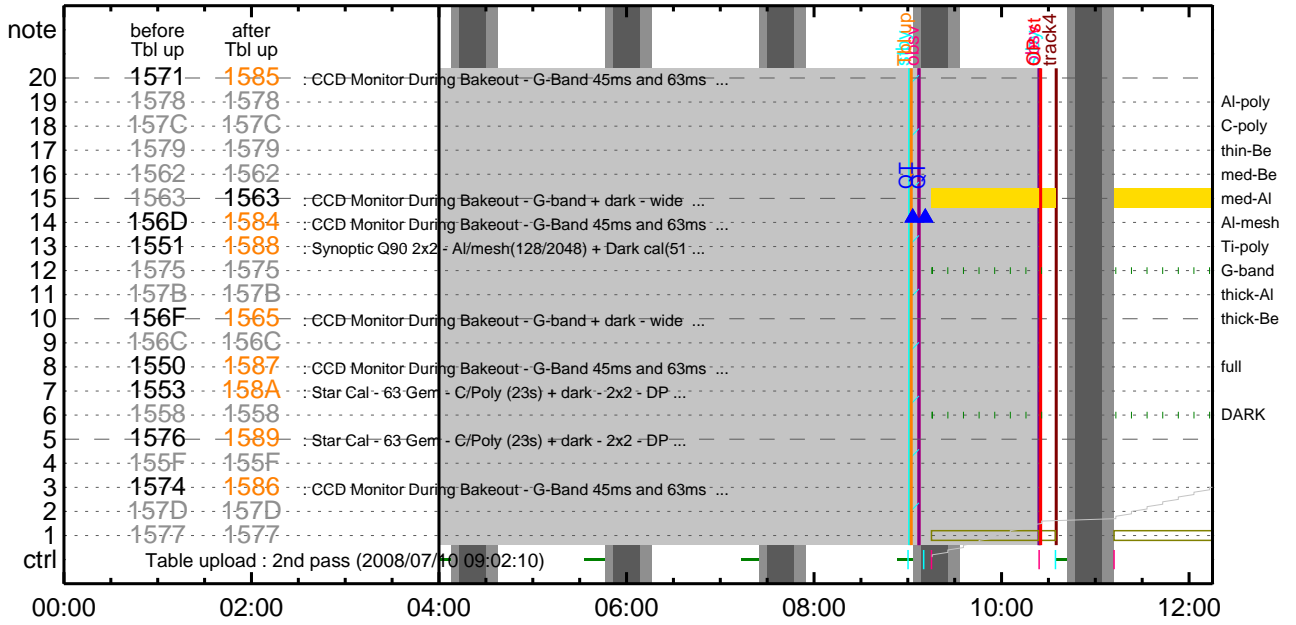
```

* * * * *           Flare mode           * * * * *
                                NOT USED

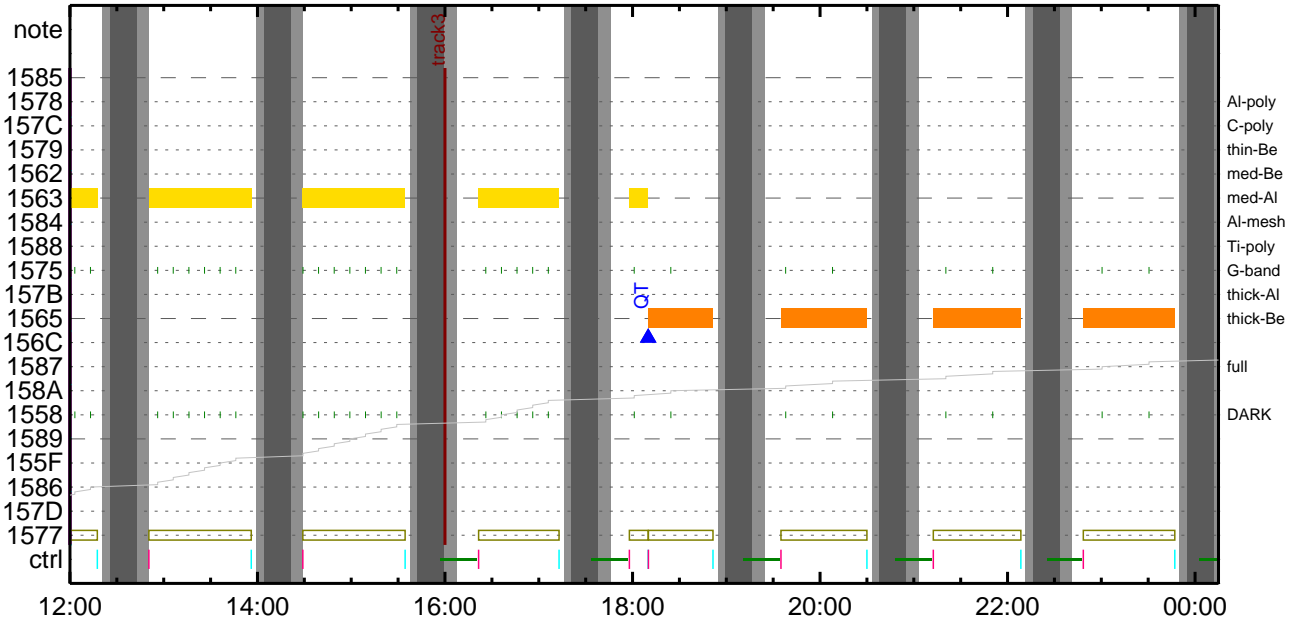
* * * * *           Active Region Search   * * * * *
                                NOT USED

* * * * *           Flare Detection       * * * * *
                                NOT USED
    
```

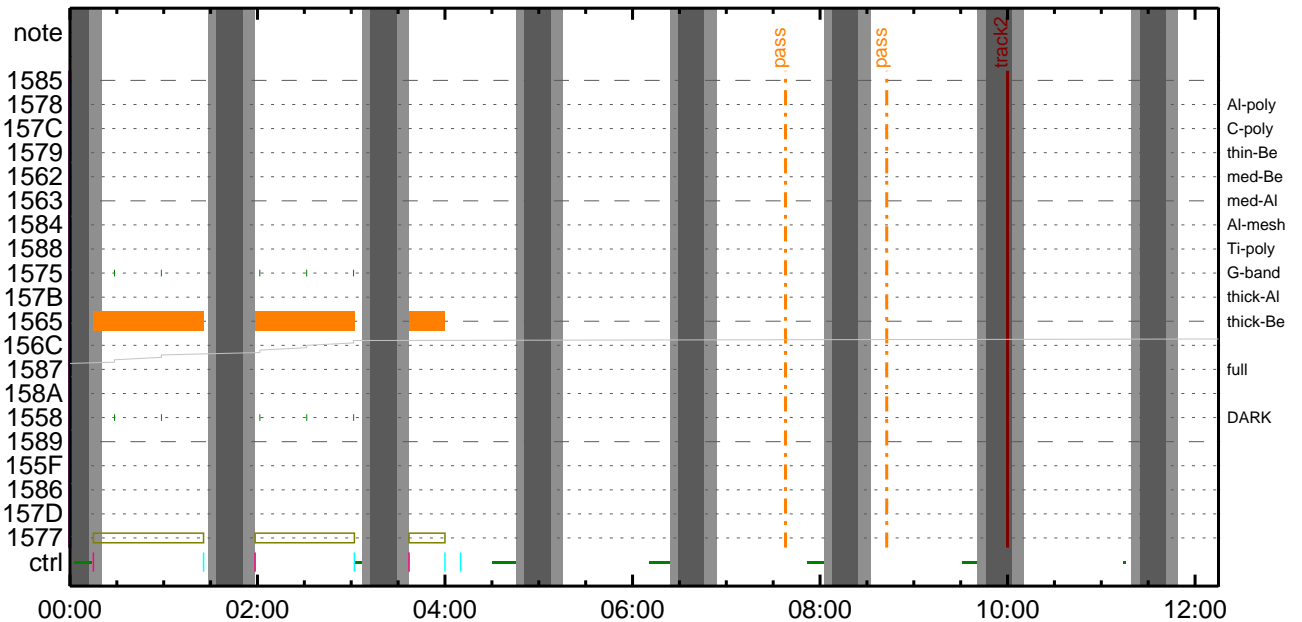
CMDI #0026 2008/07/10



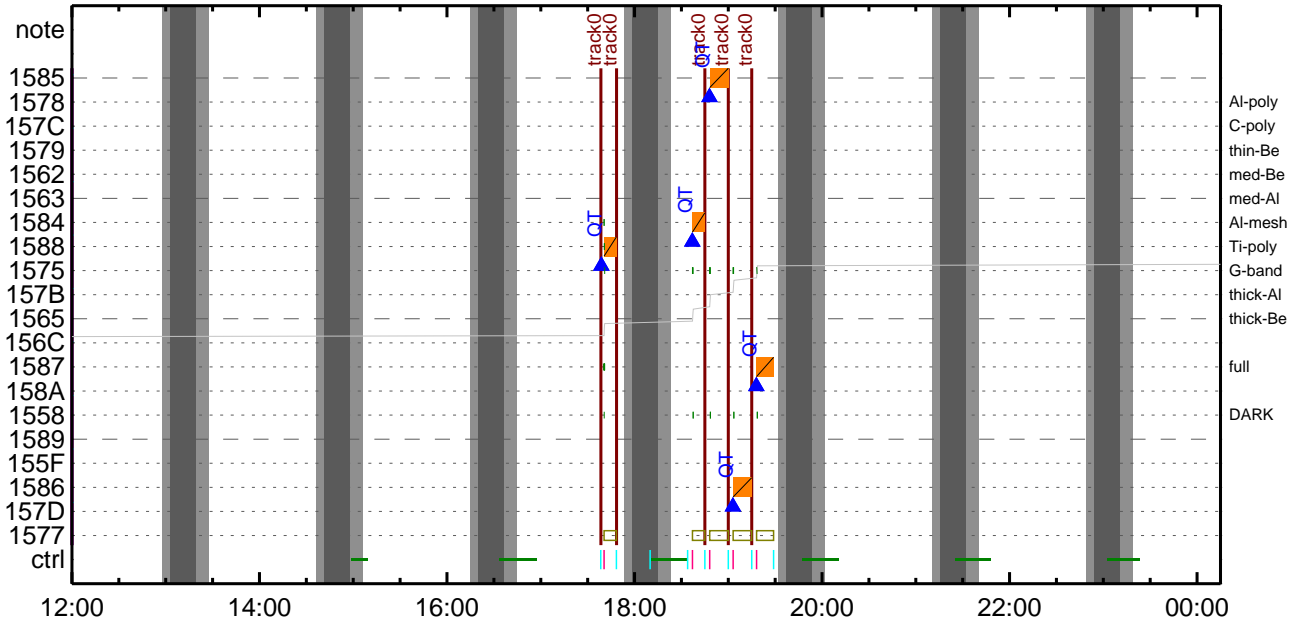
CMDI #0026 2008/07/10



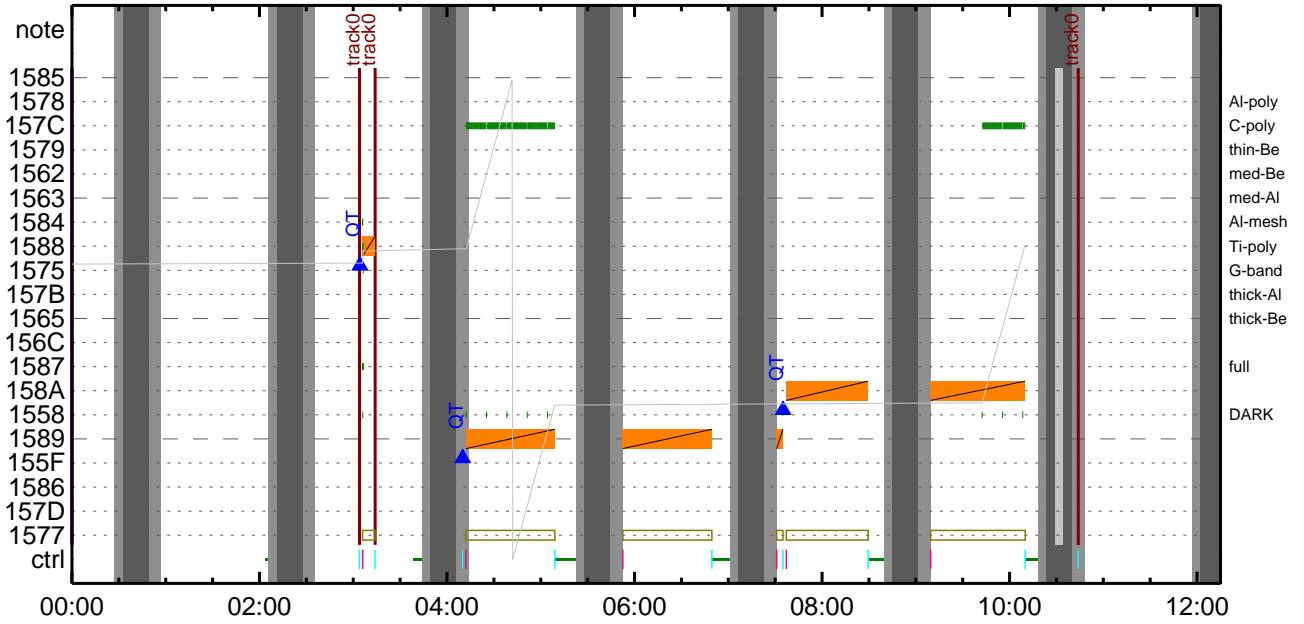
CMDI #0026 2008/07/11



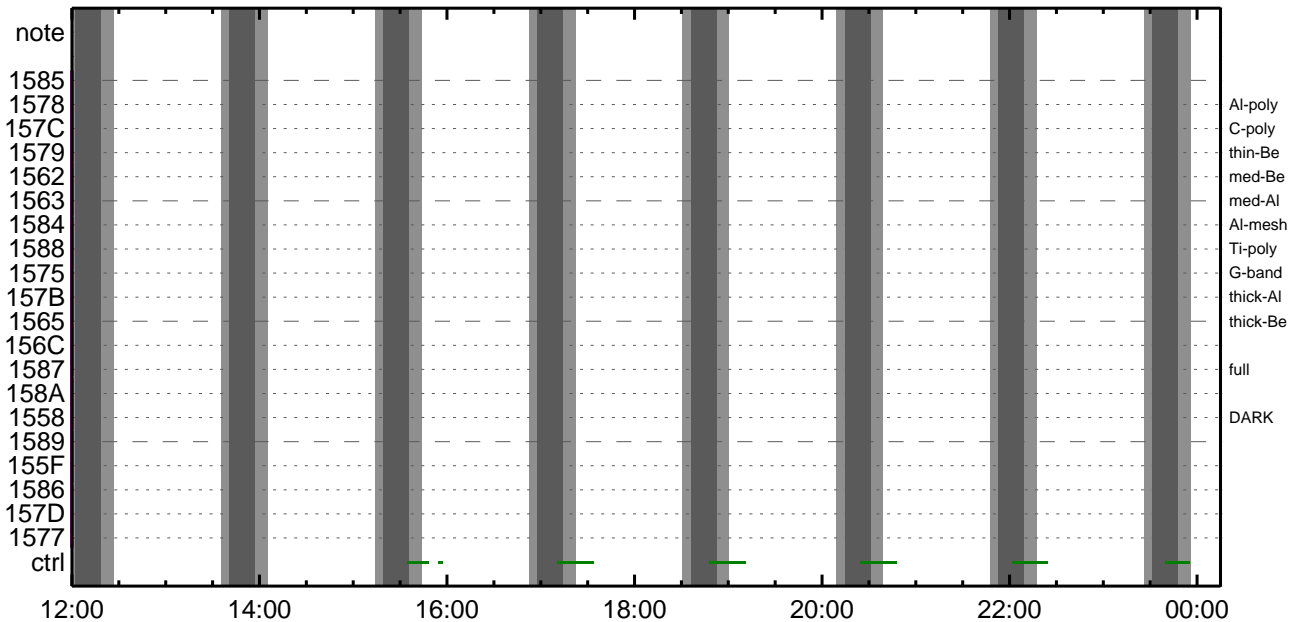
CMDI #0026 2008/07/11



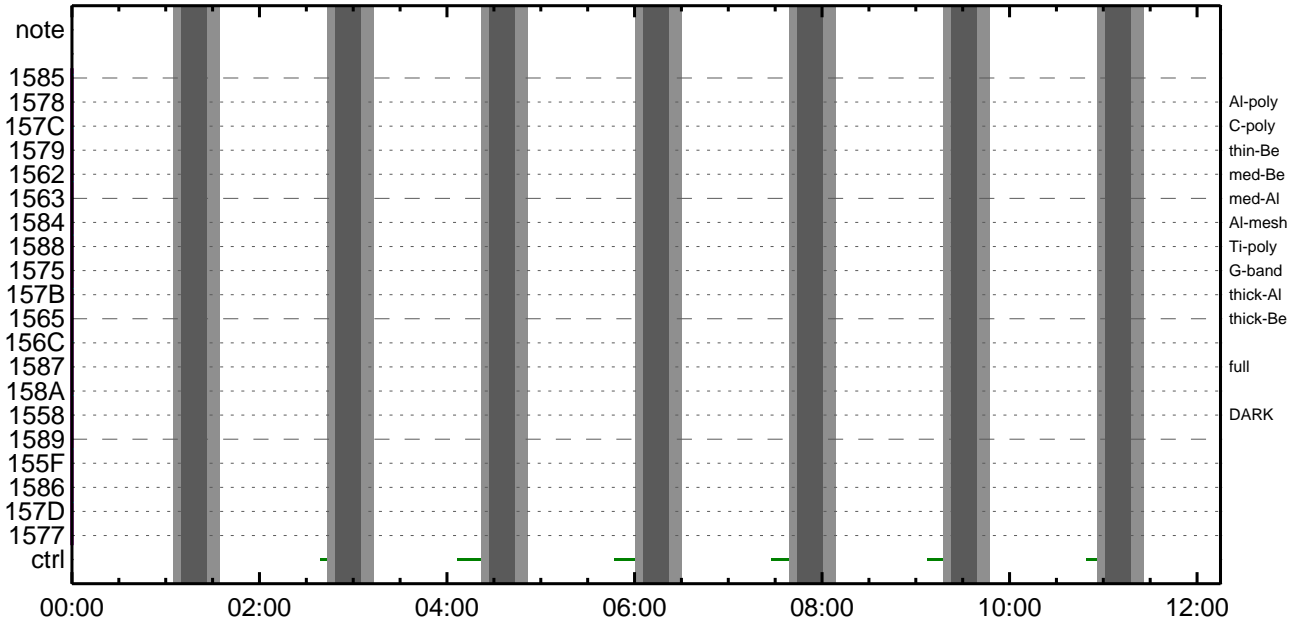
CMDI #0026 2008/07/12



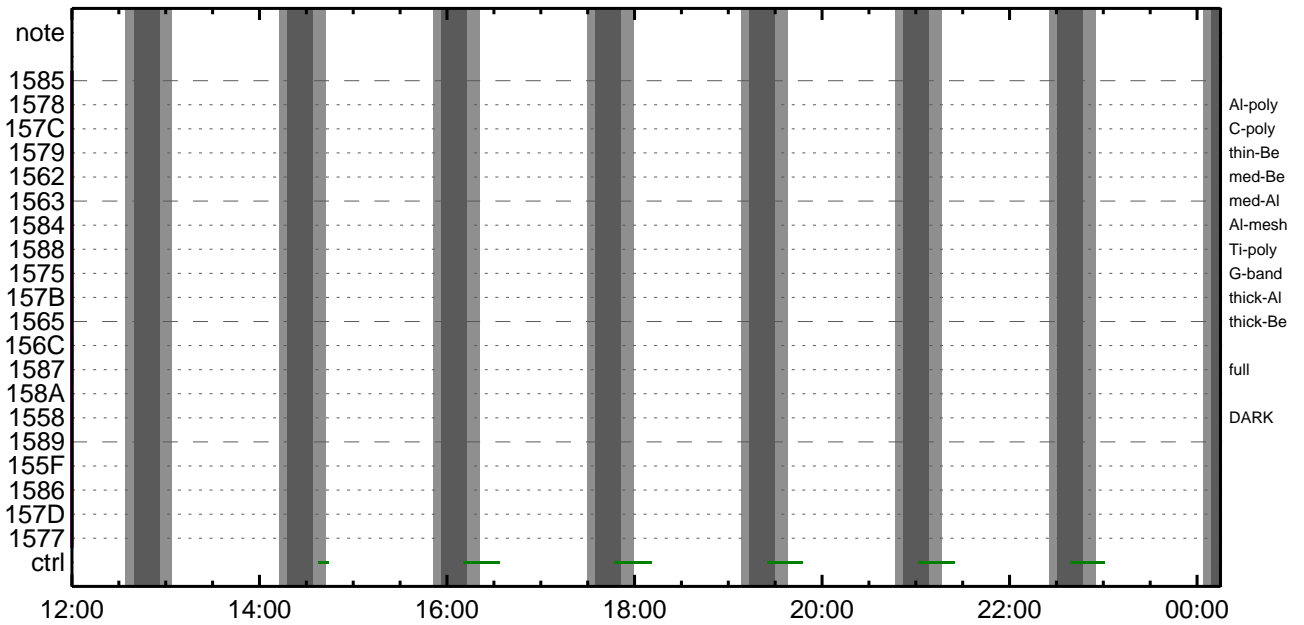
CMDI #0026 2008/07/12



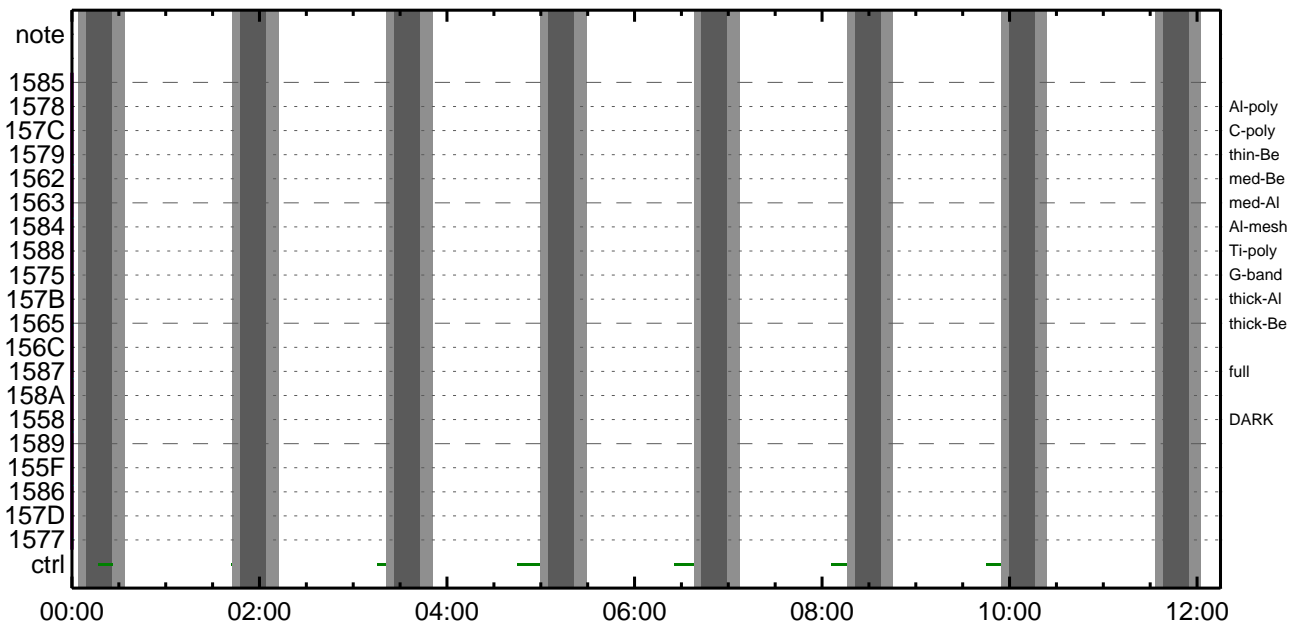
CMDI #0026 2008/07/13



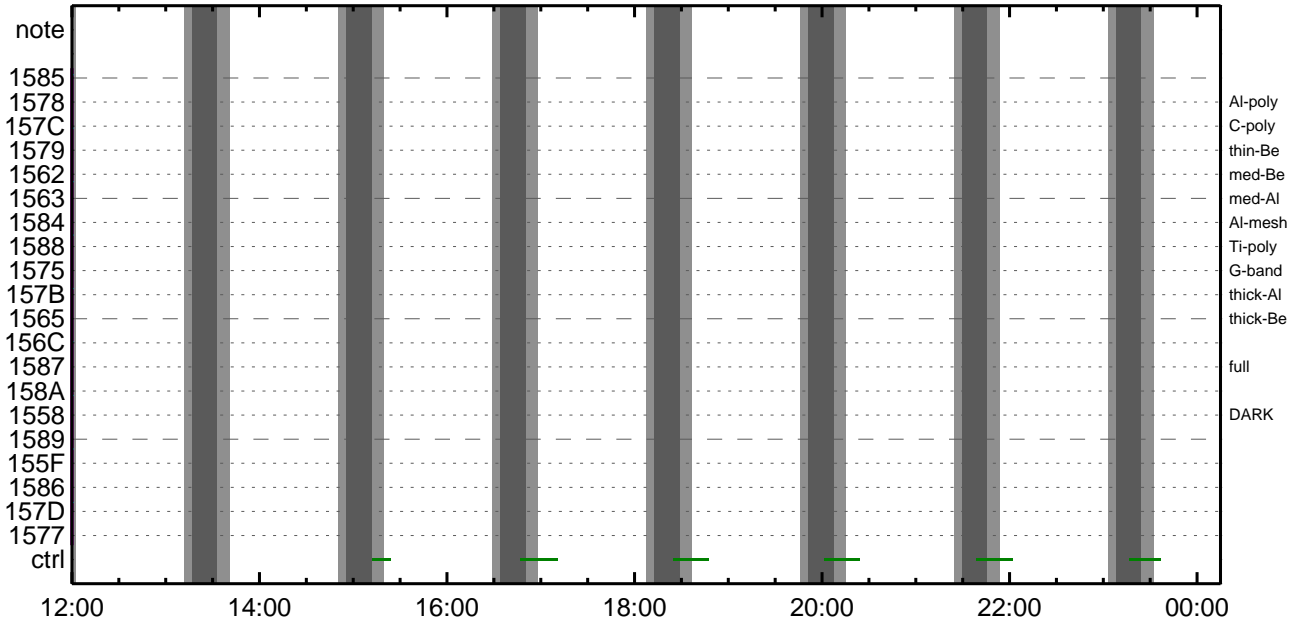
CMDI #0026 2008/07/13



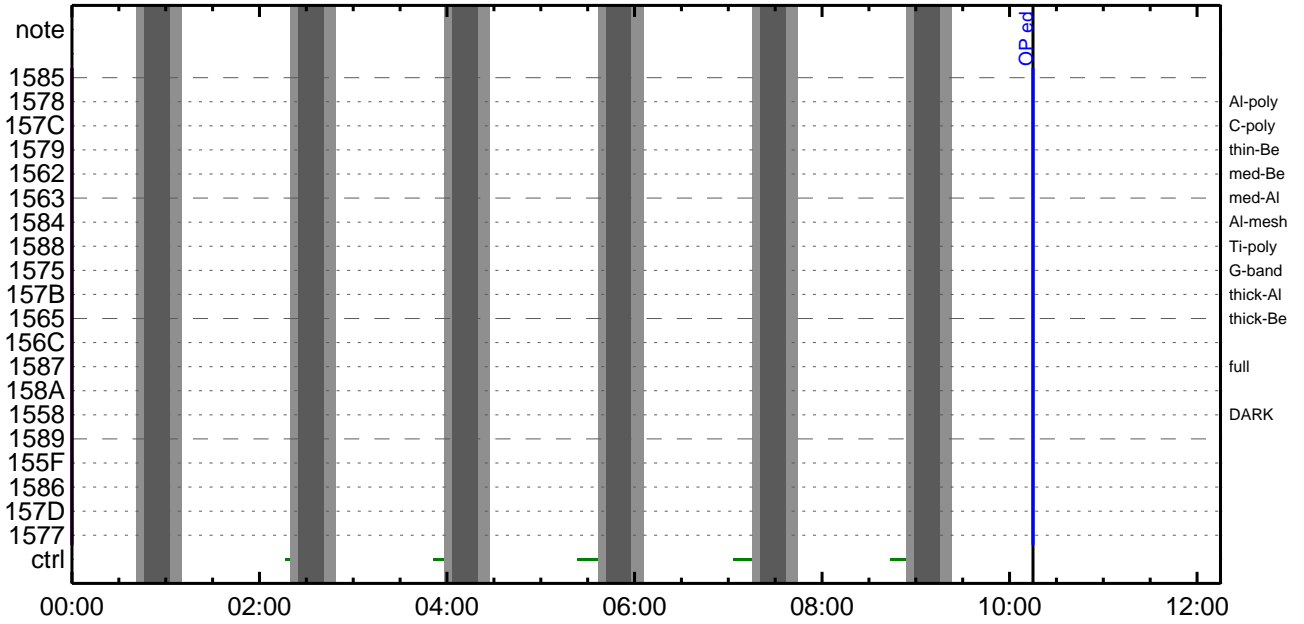
CMDI #0026 2008/07/14



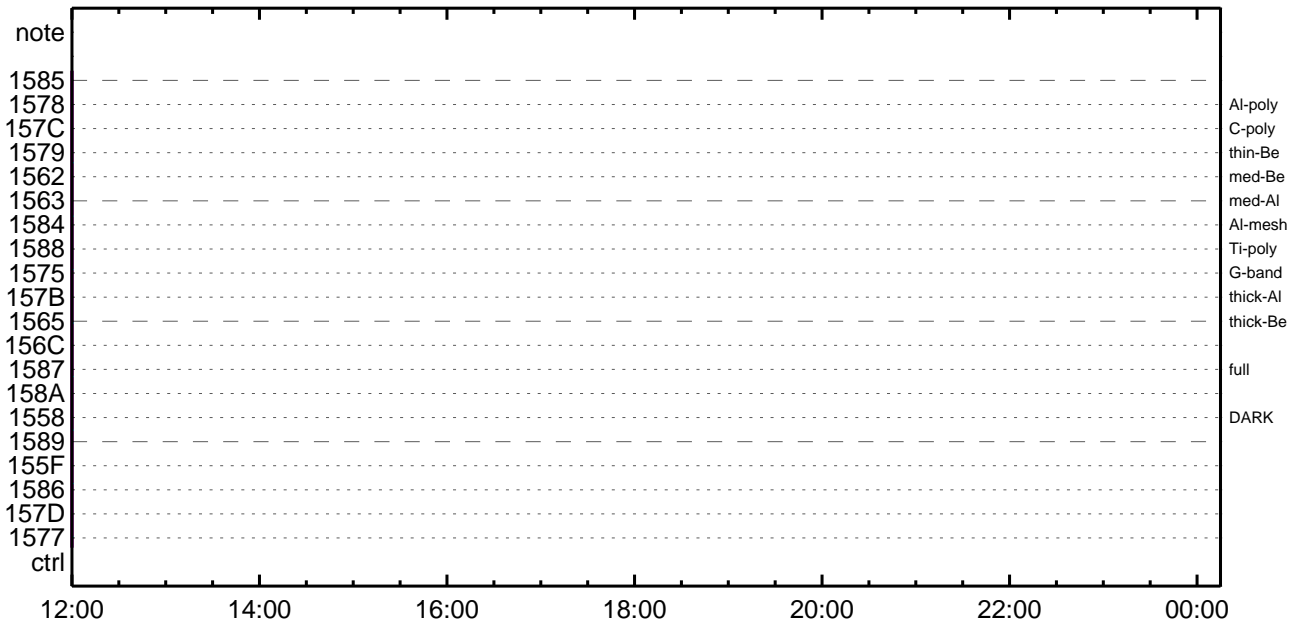
CMDI #0026 2008/07/14



CMDI #0026 2008/07/15



CMDI #0026 2008/07/15



0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ä
0100 C. *****
0101 C.
0102 C. äOP/OGY1;4YE;ä
0103 S. OP op-977:OP
0104 (
0105 S. OG og-977:OG
0106 (
0107 C.
0108 C. äNMOG&OPî°èYÄYÖYx;ä
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. YÄYÖYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGðî½Ë¹ç.ë²îOKòð³îÇ§
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. YÄYÖYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGðî½Ë¹ç.ë²îOKòð³îÇ§
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. YÄYÖYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPðî½Ë¹ç.ë²îOKòð³îÇ§
0165 C.
0166 C. ***** òË²¼òî½Ä´¶Ï°òËË-ò°Ã÷¿® (½âµ-YÄYÖYx½ê½çòðÃÕæòç½ªª°ðë½î¹çòçòâ) *****
0167 C. DHUYä;¼YE;Ë½Y½;Yî;½YE;Ëòðîã¹
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 UPLOADò-Ã÷¿®NGòî½î¹ç;ç°Ë²¼òî½TI-CMDÃ÷¿®òî½Ä¹Òª.òËòòò³òË;ç
0180 C. òþò¿;çSETòËDUMPAË±òîYÑY¹ç¹Òò|ò³òË;ç
0181 C.
0182 C. TIY³YßYÖYËòððÄîç (UT)
0183 +. TI 2008-07-10 10:20:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2008-07-10 10:20:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2008-07-10 10:20:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

(a) Spacecraft Operation Procedure (real-commands)

```
main-978 2008-07-10 16:20:35 187 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŸÄŸŸŸÄŸ-¼Ä»Û;ä
0005 C.
0006 C. ŸÄŸß;¼Ÿ³ŸŸŸóŸÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èò¿òÄò•µ°È»Í×ÁÇóÍŸçŸÄŸ×ŸÍ;¼ŸÉ;ÈÈè¼µ•íÉ;ÈòÈ¼°ÇÔò•ò¿¼l¹çòÍ;çÄ®, ùò¹òÈòÈòÇÄ+¿®ò•òÈòòò³òÈ; È
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_MANU
0047 BC (21 02)
0048 . C. Verify EIS in MANUAL mode
0049 . C. Estimated OBSTBL upload time is 17s
0050 C. *****
0051 C. EIS START OBSTBL LOAD
0052 C. *****
0053 . S. RAM ram-820:EIS_OBSTBL
0054 ( )
0055 +. DC 07-FC EIS_DUMP_OBSTBL
0056 BC (07 07 07 00 00 70 00)
0057 C.
0058 C. Execute, after the success of OBSTBL upload.
0059 C. Set EIS TI-commands
0060 +. TI 2008-07-10 10:24:50.0
0061 DC 07-FC EIS_MODE_CHG_ENA
0062 BC (20)
0063 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0064 C. *****
0065 C. EIS END OBSTBL LOAD
0066 C. *****
0067 C.
0068 C. ***** XRT START *****
0069 C.
0070 +. DC 07-F0 MDP_XRT_CTRL_MANU
0071 BC (c1)
0072 + DC 07-F0 MDP_XRT_MODE_STBY
0073 BC (c3)
0074 . C. ----- Success Verify ? OK / NG_____
0075 C.
0076 C. XRT Obs. Table Upload
0077 . S. RAM ram-291:MDP_OBS_X
0078 ( )
0079 C.
0080 +. DC 07-F0 MDP_DUMP_XRTTBL
0081 BC (84 07 00 00 00 3a d4)
0082 . C. ----- Comparison Check ? OK / ERR _____
0083 C.
0084 C.
0085 +. DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 01 b1 b1 04 04)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 02 b1 b1 08 08)
0089 + DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 03 b1 b1 08 08)
0091 + DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 04 b1 b1 06 06)
0093 + DC 07-F0 MDP_XRT_ROI_SET
0094 BC (cd 06 80 80 20 04)
0095 + DC 07-F0 MDP_XRT_ROI_SET
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0096 BC (cd 07 80 80 20 20)
0097 + DC 07-F0 MDP_XRT_ROI_SET
0098 BC (cd 08 c0 c0 10 10)
0099 + DC 07-F0 MDP_XRT_ROI_SET
0100 BC (cd 09 40 c0 10 10)
0101 + DC 07-F0 MDP_XRT_ROI_SET
0102 BC (cd 0a 40 40 10 10)
0103 + DC 07-F0 MDP_XRT_ROI_SET
0104 BC (cd 0b c0 40 10 10)
0105 + DC 07-F0 MDP_XRT_ROI_SET
0106 BC (cd 0c c0 20 08 04)
0107 + DC 07-F0 MDP_XRT_ROI_SET
0108 BC (cd 0d 80 30 08 04)
0109 + DC 07-F0 MDP_XRT_ROI_SET
0110 BC (cd 0f 80 80 06 06)
0111 + DC 07-F0 MDP_XRT_ROI_SET
0112 BC (cd 10 80 80 04 04)
0113 . C. ----- Success Verify ? OK / NG ____
0114 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0115 BC (c4 0f)
0116 + DC 07-F0 MDP_XRT_ARS_DIS
0117 BC (d5)
0118 + DC 07-F0 MDP_XRT_FLD_DIS
0119 BC (d9)
0120 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0121 BC (c9)
0122 C.
0123 C.
0124 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0125 C.
0126 +. DC 07-F0 MDP_XRT_MODE_OBSV
0127 BC (c2)
0128 +. TI 2008-07-10 10:24:02.0
0129 DC 07-F0 MDP_XRT_MODE_OBSV
0130 BC (c2)
0131 +. TI 2008-07-10 10:24:04.0
0132 DC 07-F0 MDP_XRT_CTRL_AUTO
0133 BC (c0)
0134 . C. ----- Success Verify ? OK / NG ____
0135 C.
0136 C. ***** XRT END *****
0137 C. *****
0138 C. START of XRT_CCD_HEATER_ON operation
0139 C. *****
0140 C.
0141 +. DC 07-F0 MDP_XRT_CTRL_MANU
0142 BC (c1)
0143 C. ----- Success Verify ? OK / NG;
0144 C.
0145 +. DC 04-BC TCIB_XRT_S_HTR_A_ENA
0146 C. ----- Success Verify ? OK / NG;
0147 C.
0148 C. -----
0149 C. If anomalous situation appeared, execute TCIB_XRT_S_HTR_A_DIS using DCBC-442 (line 24)
0150 C. -----
0151 C.
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 0f)
0154 + DC 07-F0 MDP_XRT_FLD_DIS
0155 BC (d9)
0156 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0157 BC (c9)
0158 + DC 07-F0 MDP_XRT_ARS_DIS
0159 BC (d5)
0160 C. ----- Success Verify ? OK / NG ____
0161 C.
0162 C.
0163 C. All OK? Yes--> Please Proceed. / No --> Stop here.
0164 C.
0165 +. DC 07-F0 MDP_XRT_CTRL_AUTO
0166 BC (c0)
0167 C. *****
0168 C. END of XRT_CCD_HEATER_ON operation
0169 C. *****
0170 C.
0171 C.
0172 C.
0173 . C. ***** MDP 'uAÎaÎ»ö¼ÝaEÄa¹aèDCBC•x²è *****
0174 C. (¼ã°îÝÖÝÄÝEÝPÝEÝáÝçÝèE¼aa¼A»Üa¹aè)
0175 . S. DC-BC dcbc-402:DCBC
0176 (MDP_known_event)
0177 C.
0178 C.
0179 . C. ***** ÝDÝ¹•İ Daily±çİÑaE'Øa¹aèDCBC•x²è *****
0180 . S. DC-BC dcbc-153:DCBC
0181 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0182 C.
0183 C.
0184 . C. ;ãLOSÝÁÝSÝÄÝ-¼A»Ü;ã
0185 C.
0186 . C. ***** LOS *****
0187 C.

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*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|---|---|-------|----------------|--|--|--|--|
| 2008/07/10 | 10:34:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 10:35:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | | |
| 2008/07/10 | 11:04:00.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | |
| 2008/07/10 | 11:12:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 12:17:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 12:42:30.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | |
| 2008/07/10 | 12:50:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 13:56:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 14:21:00.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | |
| 2008/07/10 | 14:29:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 15:34:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 16:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 03 02 a7 00 00 | | | | |
| 2008/07/10 | 16:20:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/10 | 16:21:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 17:13:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 17:57:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/10 | 17:58:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 18:10:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 18:10:02.0 | XRT_QT_PROG_SET_449_OG [0x1c1] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0a | | | | |
| 2008/07/10 | 18:10:04.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/10 | 18:10:06.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/10 | 18:10:08.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/10 | 18:10:10.5 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 18:51:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 19:34:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/10 | 19:35:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 20:30:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 21:11:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/10 | 21:12:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 22:08:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/10 | 22:47:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/10 | 22:48:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/10 | 23:47:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 00:14:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2008/07/11 | 00:15:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 01:25:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 01:50:30.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | |
| 2008/07/11 | 01:58:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 03:02:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 03:29:00.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | |
| 2008/07/11 | 03:37:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 04:00:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 04:00:02.0 | XRT_TCIB_XRT_S_HTR_A_DIS_433_OG [0x1b1] | | | | | | | |
| | | TCIB_XRT_S_HTR_A_DIS | 0 | 04-C0 | | | | | |
| 2008/07/11 | 04:10:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 10:00:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 00 00 00 00 | | | | |
| 2008/07/11 | 17:38:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 17:38:26.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/11 | 17:38:30.0 | AOCS_ORe-point_Start_4_OG [0x09a] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2008/07/11 | 17:38:46.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d | | | | |
| 2008/07/11 | 17:38:48.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/11 | 17:38:50.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |

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|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2008/07/11 | 17:38:52.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/11 | 17:40:30.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 17:48:24.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 17:48:30.0 | AOCS_OrE-point_Start_5_OG [0x09b] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 2e f9 2e f9 | | | | |
| 2008/07/11 | 18:10:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 18:34:00.0 | XRT_CTRL_MANU_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 18:36:38.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/11 | 18:36:58.0 | XRT_QT_PROG_SET_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0e | | | | |
| 2008/07/11 | 18:37:00.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/11 | 18:37:02.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/11 | 18:37:04.0 | XRT_ARS_DIS_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/11 | 18:37:06.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 18:45:00.0 | AOCS_OrE-point_Start_6_OG [0x09c] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 2e f9 d1 07 | | | | |
| 2008/07/11 | 18:45:00.5 | XRT_CTRL_MANU_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 18:47:38.5 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/11 | 18:47:58.5 | XRT_QT_PROG_SET_440_OG [0x1b8] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2008/07/11 | 18:48:00.5 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/11 | 18:48:02.5 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/11 | 18:48:04.5 | XRT_ARS_DIS_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/11 | 18:48:06.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 19:00:00.0 | AOCS_OrE-point_Start_7_OG [0x09d] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 d1 07 d1 07 | | | | |
| 2008/07/11 | 19:00:00.5 | XRT_CTRL_MANU_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 19:02:38.5 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/11 | 19:02:58.5 | XRT_QT_PROG_SET_425_OG [0x1a9] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03 | | | | |
| 2008/07/11 | 19:03:00.5 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/11 | 19:03:02.5 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/11 | 19:03:04.5 | XRT_ARS_DIS_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/11 | 19:03:06.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 19:15:00.0 | AOCS_OrE-point_Start_8_OG [0x09e] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 d1 07 2e f9 | | | | |
| 2008/07/11 | 19:15:00.5 | XRT_CTRL_MANU_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/11 | 19:17:38.5 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/11 | 19:17:58.5 | XRT_QT_PROG_SET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 08 | | | | |
| 2008/07/11 | 19:18:00.5 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/11 | 19:18:02.5 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/11 | 19:18:04.5 | XRT_ARS_DIS_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/11 | 19:18:06.5 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/11 | 19:29:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/12 | 03:03:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/12 | 03:03:56.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2008/07/12 | 03:04:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2008/07/12 | 03:04:16.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d | | | | |
| 2008/07/12 | 03:04:18.0 | XRT_FLD_DIS_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2008/07/12 | 03:04:20.0 | XRT_FLRCTRL_DIS_447_OG [0x1bf] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2008/07/12 | 03:04:22.0 | XRT_ARS_DIS_427_OG [0x1ab] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2008/07/12 | 03:06:00.0 | XRT_CTRL_AUTO_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2008/07/12 | 03:13:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2008/07/12 | 03:14:00.0 | AOCS_OrE-point_Start_9_OG [0x09f] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|----|
| 2008/07/12 | 04:10:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | AOCU_NM | 5 | 02-76 | 00 | 53 | 8d | 00 | 00 |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 04:10:02.0 | XRT_QT_PROG_SET_443_OG [0x1bb] | | | | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | | 05 | |
| 2008/07/12 | 04:11:40.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | 00 |
| 2008/07/12 | 04:12:00.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2008/07/12 | 04:12:02.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | | d9 | | | |
| 2008/07/12 | 04:12:04.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | | c9 | | | |
| 2008/07/12 | 04:12:06.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2008/07/12 | 05:09:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 05:44:30.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | | |
| 2008/07/12 | 05:52:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2008/07/12 | 06:49:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 07:23:00.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | | |
| 2008/07/12 | 07:31:00.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2008/07/12 | 07:35:00.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 07:35:02.0 | XRT_QT_PROG_SET_404_OG [0x194] | | | | | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | | c4 | | 07 | |
| 2008/07/12 | 07:36:40.0 | XRT_FOCUS_POSITION_442_OG [0x1ba] | | | | | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | 00 |
| 2008/07/12 | 07:37:00.0 | XRT_ARS_DIS_422_OG [0x1a6] | | | | | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | | d5 | | | |
| 2008/07/12 | 07:37:02.0 | XRT_FLD_DIS_445_OG [0x1bd] | | | | | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | | d9 | | | |
| 2008/07/12 | 07:37:04.0 | XRT_FLRCTRL_DIS_416_OG [0x1a0] | | | | | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | | c9 | | | |
| 2008/07/12 | 07:37:06.0 | XRT_CTRL_AUTO_403_OG [0x193] | | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2008/07/12 | 08:29:30.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 09:01:30.0 | XRT_Custom_421_OG [0x1a5] | | | | | | | | |
| 2008/07/12 | 09:09:30.0 | XRT_CTRL_AUTO_432_OG [0x1b0] | | | | | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | | c0 | | | |
| 2008/07/12 | 10:10:00.0 | XRT_CTRL_MANU_435_OG [0x1b3] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 10:43:54.0 | XRT_CTRL_MANU_428_OG [0x1ac] | | | | | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | | c1 | | | |
| 2008/07/12 | 10:44:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | | | | | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |