

XRT Timeline to be uploaded on 2014/07/10

Period: 2014/07/10 09:29:00 - 2014/07/15 10:05:00

* * * * *

Normal mode

* * * * *

XOB #1A10: Synoptic Q95 2x2 - Al/mesh(2/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(5/256/1443) + Thin...

| Term | Pointing (x, y) | Comment |
|---------------------------------|---------------------|--|
| 07/10 17:41:30 - 07/10 17:48:24 | Fixed (0.0, 0.0) | synoptic, shifted -21.5 min |
| 07/11 06:03:00 - 07/11 06:09:54 | Fixed (0.0, 0.0) | synoptic |
| 07/11 17:57:30 - 07/11 18:04:24 | Fixed (0.0, 0.0) | synoptic, shifted -5.5 min |
| 07/12 06:37:00 - 07/12 06:43:54 | Fixed (0.0, 0.0) | synoptic, shifted 34.0 min |
| PROG= 14 1-time(s) | | |
| └─ Subr= 1 1-time(s) 12.0sec | | |
| └─ Seqn= 35 1-time(s) 4.0sec | | |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 2ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Seqn= 5 1-time(s) 2.0sec | | |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec |
| └─ Seqn= 72 1-time(s) 4.0sec | | |
| Open/Ti-poly | Open/Ti-poly close | Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Open/Ti-poly | Open/Ti-poly close | Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Open/Ti-poly | Open/Ti-poly close | Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Seqn= 67 1-time(s) 2.0sec | | |
| thin-Be/Open | thin-Be/Open close | Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close | Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close | Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Seqn= 6 1-time(s) 2.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 8ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Default Filter | Thicker Filter | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

XOB #19E3: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, and Al/Poly context, with G-band (33ms)

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|--|
| 07/11 06:13:00 - 07/11 10:15:30 | Track (-327.3, 40.5) @ 07/11 06:10:00 | # Track AR 12113 |
| 07/11 22:28:00 - 07/12 06:33:54 | Track (-187.9, 36.7) @ 07/11 22:04:30 | # Track AR 12113 |
| 07/12 06:47:00 - 07/12 09:11:00 | Track (-110.0, 35.2) @ 07/12 06:44:00 | # Track AR 12113 |
| PROG= 20 Inf.-time(s) | | |
| └─ Subr= 1 1-time(s) 2.0sec | | |
| └─ Seqn= 8 2-time(s) 2.0sec | | |
| Open/G-band | Open/G-band close | Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec |
| └─ Subr= 2 2-time(s) 2.0sec | | |
| └─ Seqn= 24 1-time(s) 2.0sec | | |
| Open/Ti-poly | Open/thick-Al close | Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec |
| Open/G-band | Open/G-band open | Safe Norm 32ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec |
| └─ Seqn= 42 4-time(s) 2.0sec | | |
| Al-poly/Open | thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec |
| thin-Be/Open | med-Be/Open close | Safe Norm 5.66s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec |
| Open/thick-Al | Open/thick-Al close | Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec |
| └─ Seqn= 62 15-time(s) 120.0sec | | |
| thin-Be/Open | med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec |
| Al-poly/Open | thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec |
| thin-Be/Open | med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec |
| Al-poly/Open | thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec |
| thin-Be/Open | med-Be/Open close | Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec |
| Al-poly/Open | thin-Be/Open close | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec |
| Default Filter | Thicker Filter | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

XOB #19A0: HOP81/206 2-filter - Ti/poly 4s, Al/mesh 4s, G-band - 384x384 45ms with G-band VLS closed 33ms

| Term | Pointing (x, y) | Comment |
|---------------------------------|-----------------------|--|
| 07/11 10:48:00 - 07/11 17:54:24 | Fixed (-7.0, -968.0) | # HOP81 South-pole |
| PROG= 06 Inf.-time(s) | | |
| └─ Subr= 1 1-time(s) 2.0sec | | |
| └─ Seqn= 74 2-time(s) 2.0sec | | |
| Open/G-band | Open/G-band close | Safe Norm 32ms Obs 1x1 512x512 (1064, 1048) DPCM 0 0 2.0sec |
| └─ Subr= 2 1-time(s) 2.0sec | | |
| └─ Seqn= 30 1-time(s) 30.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec |
| └─ Subr= 3 30-time(s) 2.0sec | | |
| └─ Seqn= 76 2-time(s) 30.0sec | | |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 4.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec |
| Open/Ti-poly | Open/Ti-poly close | Safe Norm 4.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec |
| Default Filter | Thicker Filter | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

| XOB #19A9: G-Band Alignment with North Pole Q90 2x2(G-band only) - 8msec - 5min cadence - Partial Sun-wNGT-2 | | | | | | | | | | | | |
|---|----------------|---------------------|------|-------|------|-----|------------------------------------|-----------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/11 18:19:30 - 07/11 20:04:24 | | Fixed (0.0, 930.0) | | | | | # Co-alignment program run; N-pole | | | | | |
| PROG= 10 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 360.0sec | | | | | | | | | | | | |
| └─ Seqn= 93 24-time(s) 300.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 8ms | Obs | 2x2 | 2048x1536 (1024, 768) | Q=90 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #19AA: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8msec - 8 min cadence-wNGT-2 | | | | | | | | | | | | |
|--|----------------|----------------------|------|-------|------|-----|------------------------------------|------------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/11 20:19:30 - 07/11 22:04:24 | | Fixed (-945.0, 0.0) | | | | | # Co-alignment program run; E-limb | | | | | |
| PROG= 18 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 360.0sec | | | | | | | | | | | | |
| └─ Seqn= 94 15-time(s) 480.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 8ms | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

* * * * *

Flare mode

* * * * *

| XOB #19EC: Flare - high cad multifilter (Be/thin, Be/med, Al/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + Gband (4 | | | | | | | | | | | | |
|--|------------------|--|------|-------|-------|-----|--------------------|----------------------|-------|------------|----------|--------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/11 06:13:00 - 07/11 10:15:30 | | Track (-327.3, 40.5) @ 07/11 06:10:00 | | | | | # Track AR 12113 | | | | | |
| 07/11 10:48:00 - 07/11 17:54:24 | | Fixed (-7.0, -968.0) | | | | | # HOP81 South-pole | | | | | |
| 07/11 22:28:00 - 07/12 06:33:54 | | Track (-187.9, 36.7) @ 07/11 22:04:30 | | | | | # Track AR 12113 | | | | | |
| 07/12 06:47:00 - 07/12 09:11:00 | | Track (-110.0, 35.2) @ 07/12 06:44:00 | | | | | # Track AR 12113 | | | | | |
| PROG= 01 30-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 30-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 26 1-time(s) 4.0sec | | | | | | | | | | | | |
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 8ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| med-Be/Open | Open/thick-Al | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 10 1-time(s) 2.0sec | | | | | | | | | | | | |
| med-Al/Open | med-Al/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| Open/thick-Be | Open/thick-Be | close | Safe | Norm | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
| └─ Seqn= 11 1-time(s) 2.0sec | | | | | | | | | | | | |
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
| └─ Seqn= 15 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 44ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Al | close | Safe | Dark | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Al | close | Safe | Dark | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

* * * * *

Active Region Search

* * * * *

NOT USED

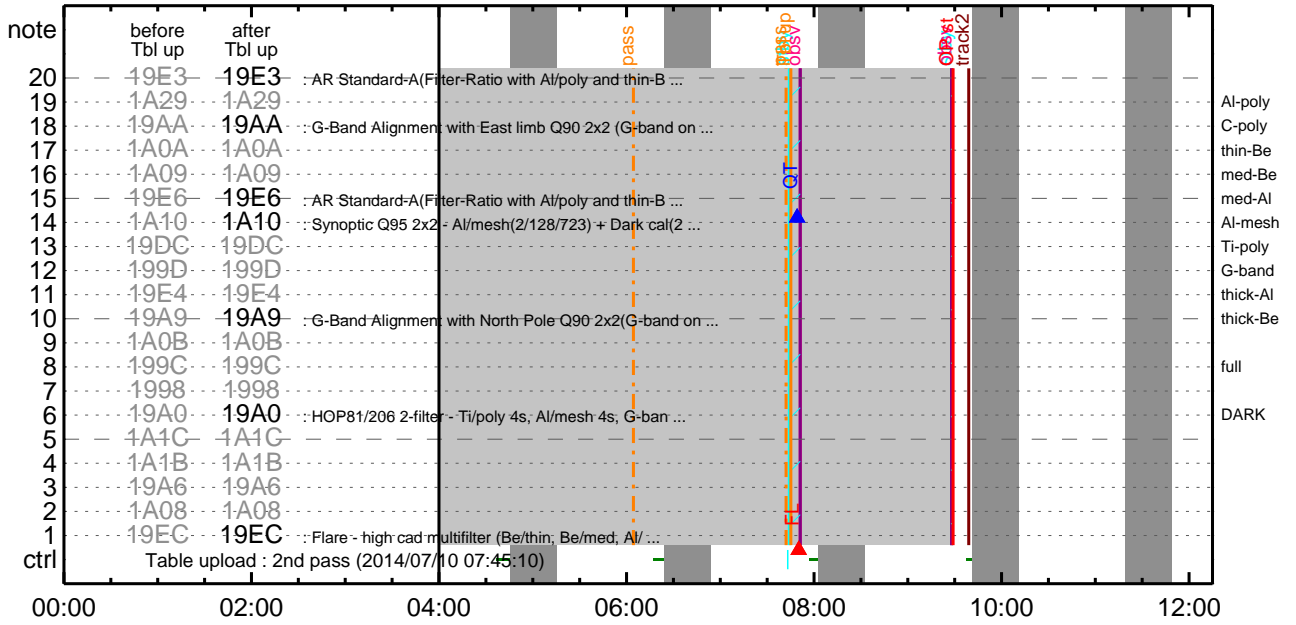
* * * * *

Flare Detection

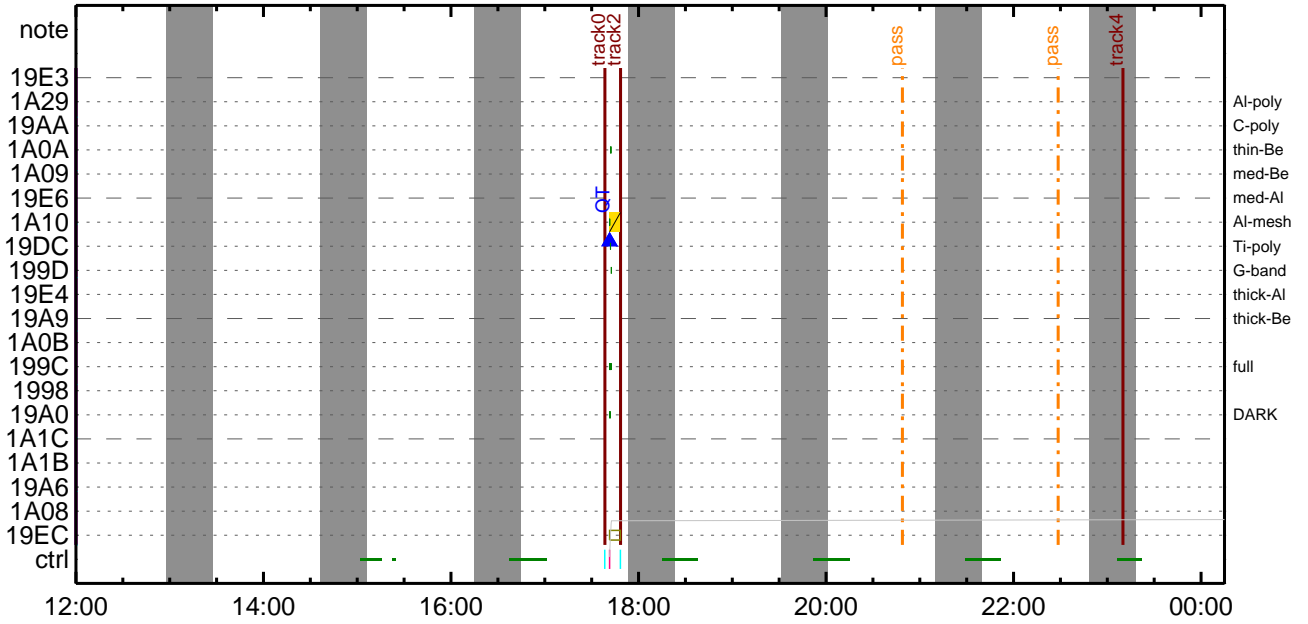
* * * * *

| FLD Patrol | | | | | | | | | | | | |
|---------------------------------|----------------|--|------|-------|------|-----|------------------|--------------------|-------|------------|----------|-------|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/11 06:10:16 - 07/11 17:54:46 | | Track (-327.3, 40.5) @ 07/11 06:10:00 | | | | | # Track AR 12113 | | | | | |
| 07/11 22:04:46 - 07/12 06:34:16 | | Track (-187.9, 36.7) @ 07/11 22:04:30 | | | | | # Track AR 12113 | | | | | |
| 07/12 06:44:16 - 07/15 10:05:00 | | Track (-110.0, 35.2) @ 07/12 06:44:00 | | | | | # Track AR 12113 | | | | | |
| Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 8ms | Obs | 8x8 | | Q=50 | | | 30sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

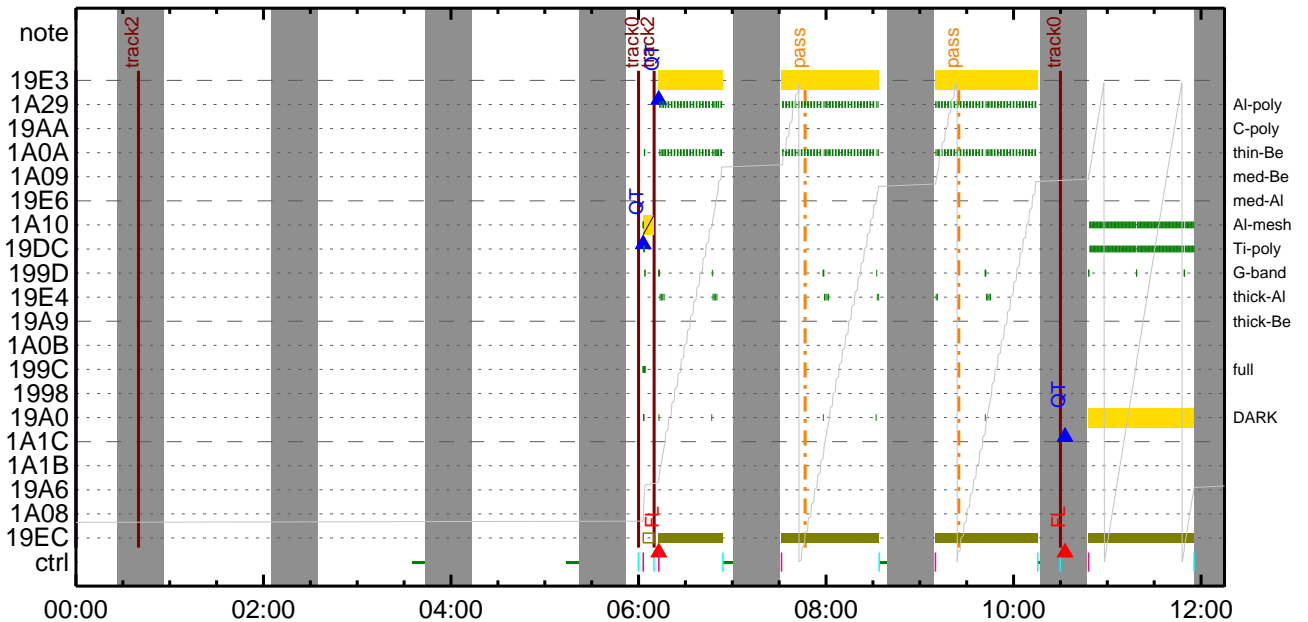
CMDI #0397 2014/07/10



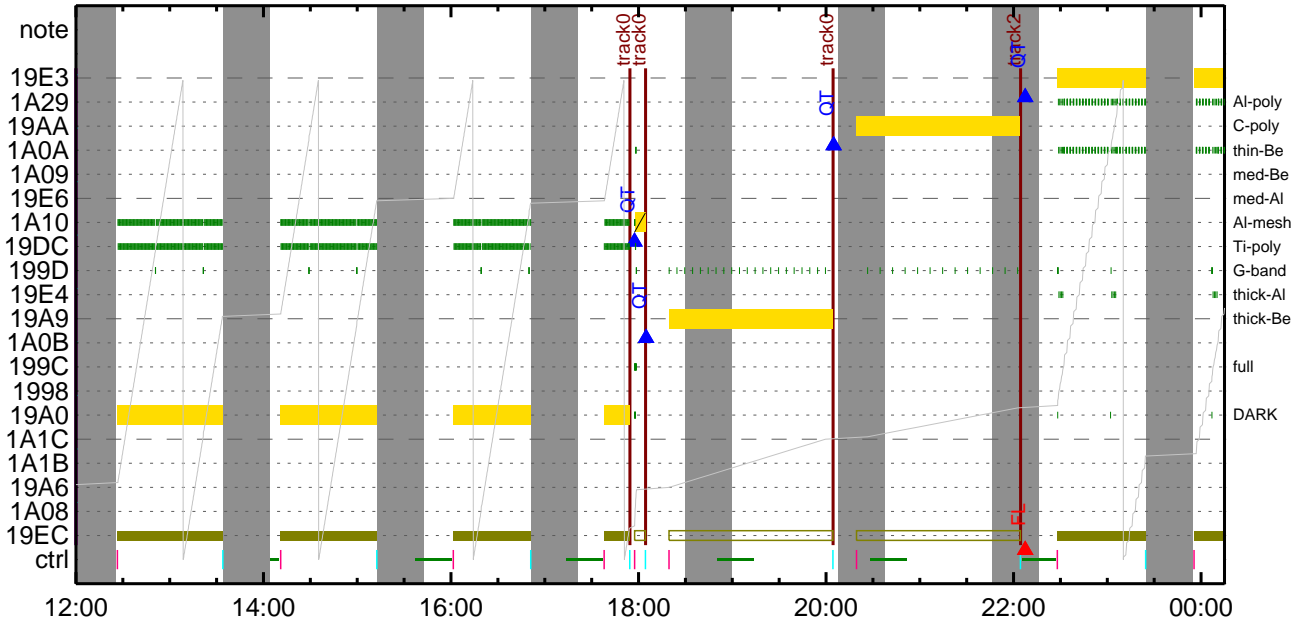
CMDI #0397 2014/07/10



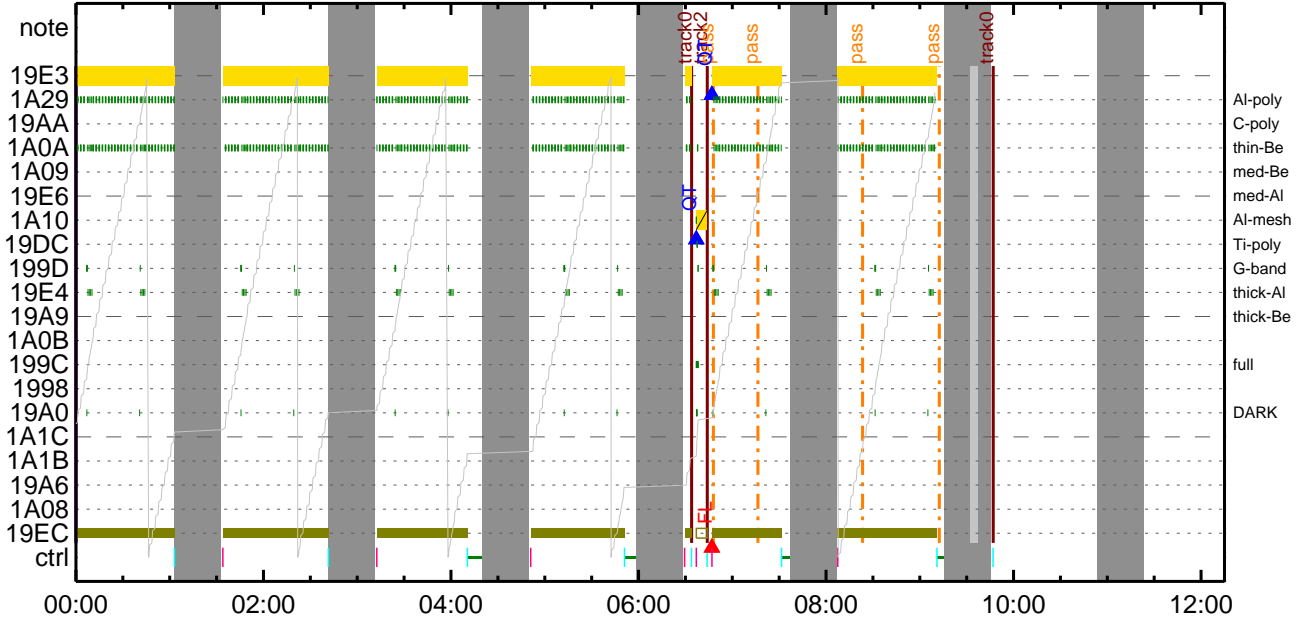
CMDI #0397 2014/07/11



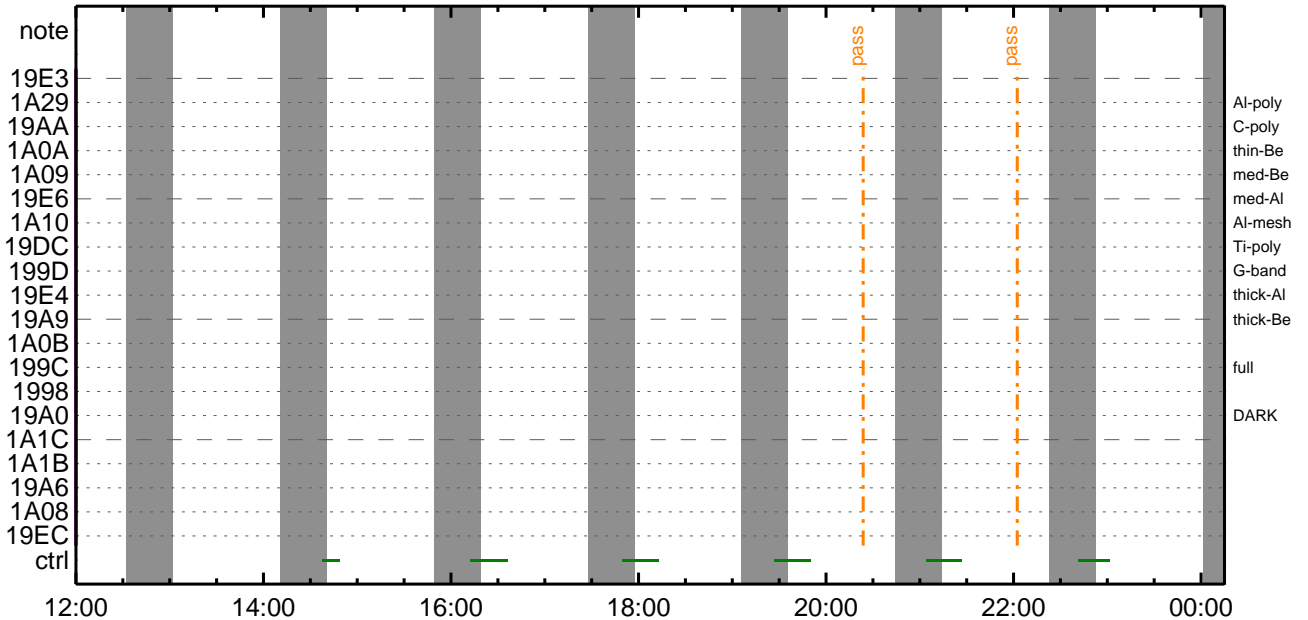
CMDI #0397 2014/07/11



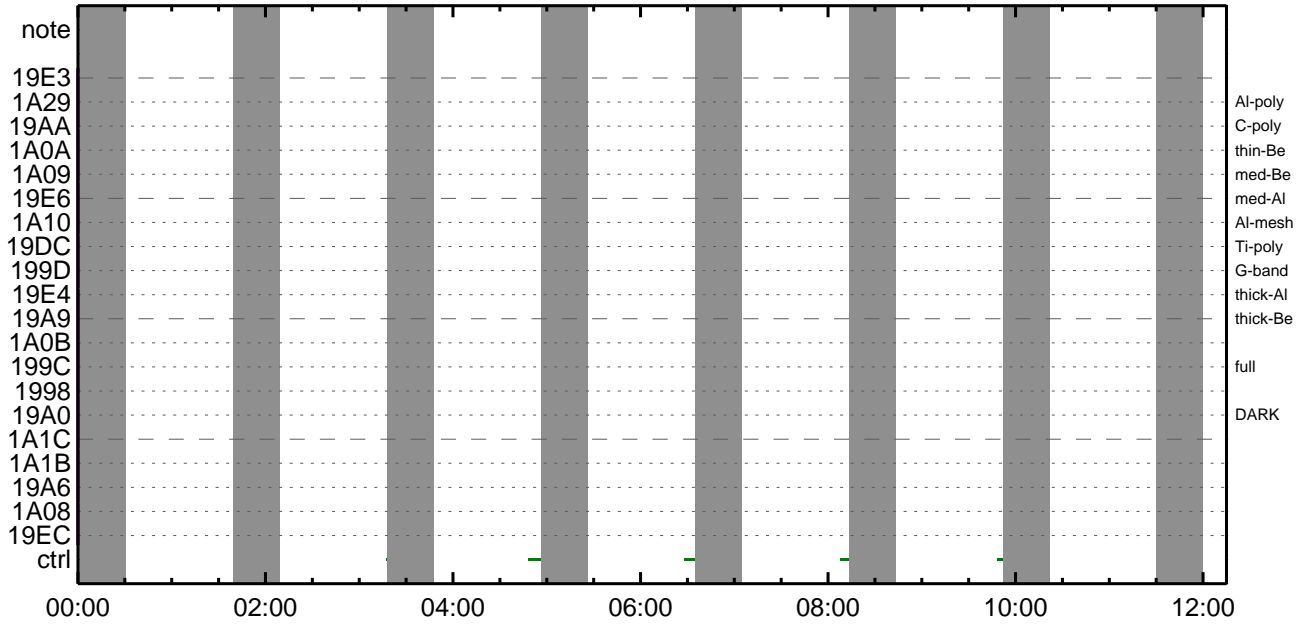
CMDI #0397 2014/07/12



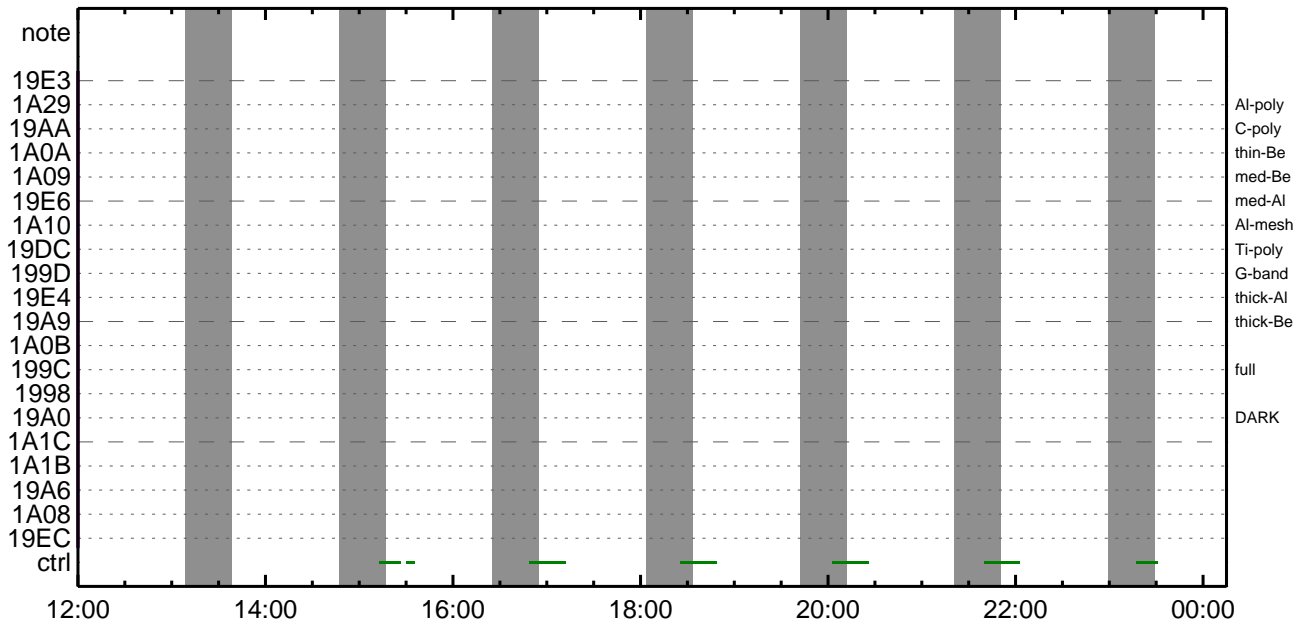
CMDI #0397 2014/07/12



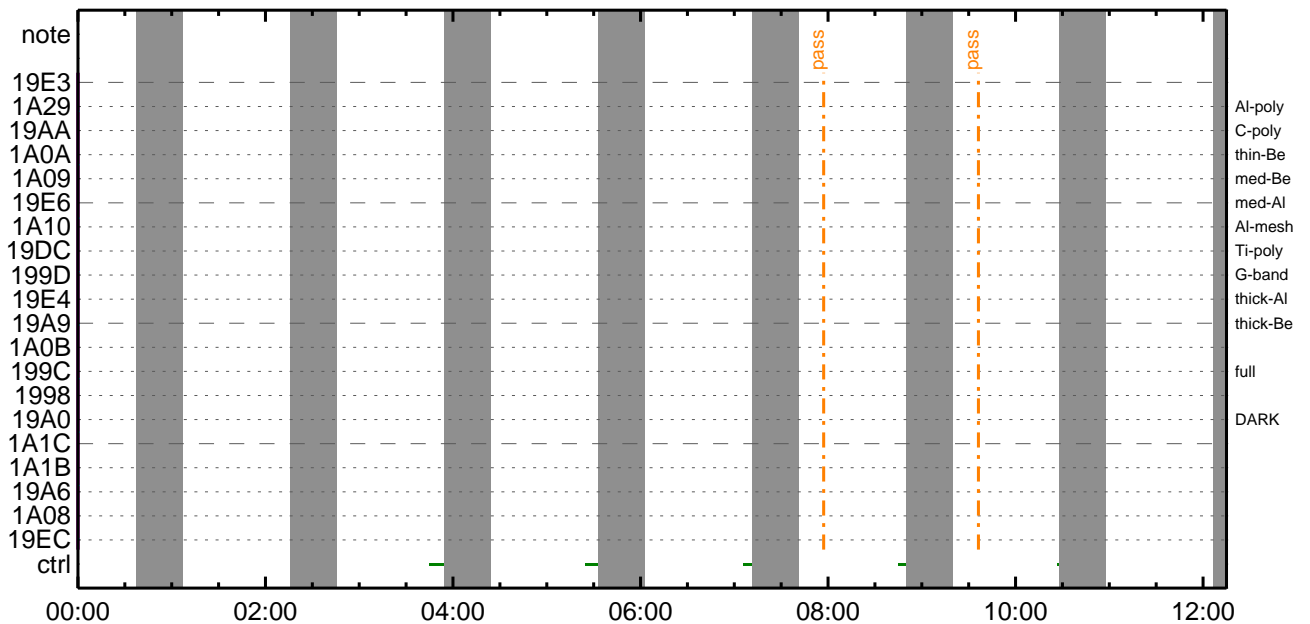
CMDI #0397 2014/07/13



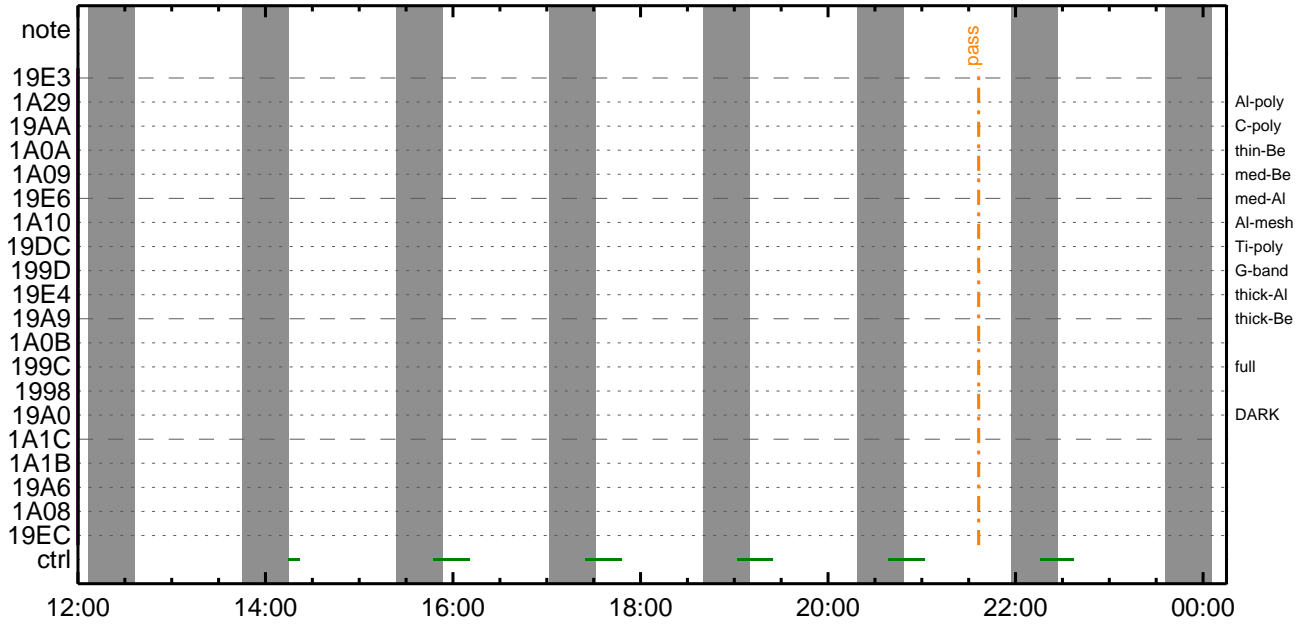
CMDI #0397 2014/07/13



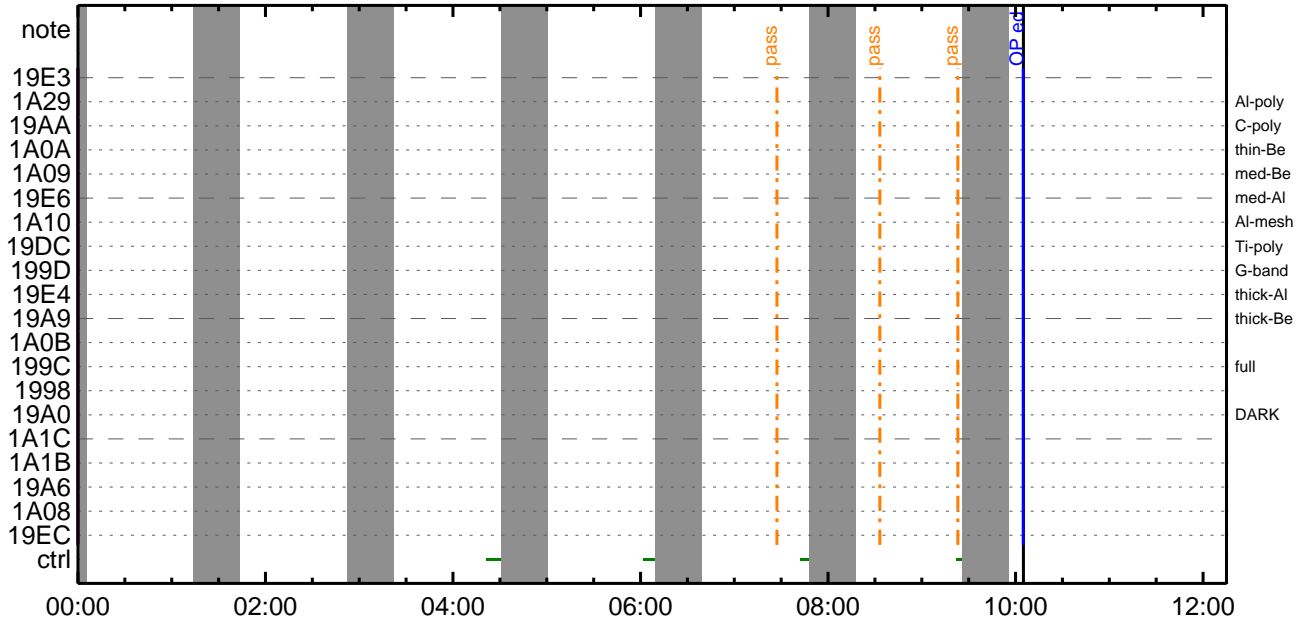
CMDI #0397 2014/07/14



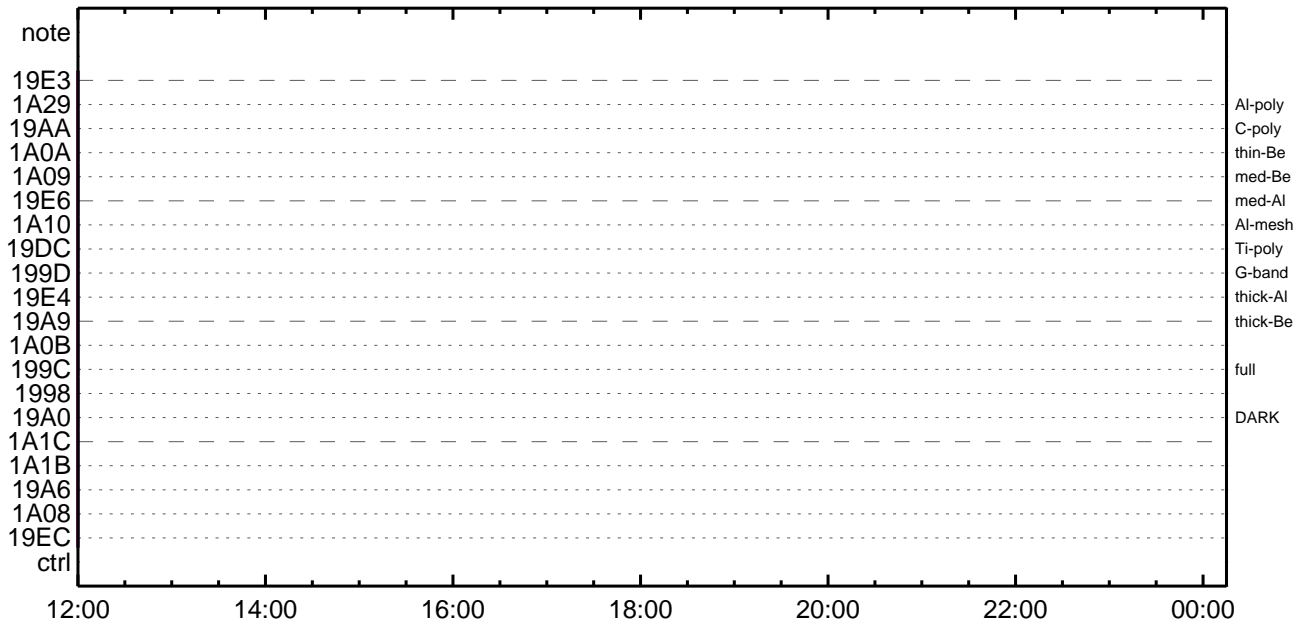
CMDI #0397 2014/07/14



CMDI #0397 2014/07/15



CMDI #0397 2014/07/15




```

0096 C.                0p0z;çSET0EDUMP0İÆ±°iYÑY¹0ç¹00|0³0E;E
0097 C.
0098 . C. TIY³YF¥ÖYÉ00dÄDİ¿(UT)
0099 +. TI 2014-07-10 09:24:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2014-07-10 09:24:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2014-07-10 09:24:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2014-07-10 09:28:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C.  °Ê²¼0İÄê%îÍÑ0İYÁY§YÄY-¹àÛ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]              EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]                EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]              EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]               EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIİİ°èYÄYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]              EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]              EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]               EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]              EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]                EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]                 EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]               EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]              EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]                 EQ        EXEC
0140 C.
0141 . C. YÄYÖY×½ªİ»0ð³İÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]                 EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İ%È¹ç•è²İOK0ð³İÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;Ê¼Y½,Yî;¼YÈ;Ë0ðİá0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]                 EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]               EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]              EQ        4M
0153 C.
0154 C.
0155 C. ***** XRT START *****
0156 C. Execute, after the success of OP upload.
0157 +. TI 2014-07-10 09:28:00.0
0158 DC 07-F0 MDP_XRT_MODE_STBY
0159 BC (c3)
0160 . C.                [ ] [HK1_TI_CMD_NUM]                EQ        1COUNTUP
0161 C.
0162 C. ***** XRT END *****
0163 . C. Stop EIS observation and temporarily disable EIS mode changes
0164 C.
0165 C.
0166 C. ***** Start EIS operation (TI set) *****
0167 C. Execute, after the success of OP upload.
0168 C. Set EIS TI-commands
0169 +. TI 2014-07-10 09:28:30.0
0170 DC 07-FC EIS_MODE_MANU
0171 BC (21 02)
0172 +. TI 2014-07-10 09:28:40.0
0173 DC 07-FC EIS_MODE_CHG_DIS
0174 BC (22)
0175 . C.                [ ] [HK1_TI_CMD_NUM]                EQ        2 COUNTUP
0176 C. ***** End EIS operation (TI set) *****
0177 C.
0178 C.
0179 C.
0180 . C. ***** MDP ´úÄî0İ»ö¼Y0EÄ00¹0E0C0C0x²è *****
0181 C. (%â°İYÖYÄYÉYF¥YÄYçYè0E¼000¼Ä»Ü0¹0è)
0182 . S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 . C. ***** YD¥¹.İ Daily±¿İÑ0E'00¹0E0C0C0x²è *****
0187 . S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 . C. ;ãLOS¥ÄY§YÄY-¼Ä»Ü;ä
0192 C.
0193 . C. ***** LOS *****

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-497 2014-07-10 13:02:21 158 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αÁα•μ°È»Í×ÁÇαÍYçYÁY×Yí;¼YÉ;ÈÈ%μ•íÉ;ÈÈ%°ÇÔα•α¿¼l¹çαÍ;çÀ®, ùα¹αÈαBαÇÁ+¿®α•αÈααα³αÈ;f
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.
0046 C. ***** XRT START *****
0047 C.
0048 +. DC 07-F0 MDP_XRT_CTRL_MANU
0049 BC (c1)
0050 + DC 07-F0 MDP_XRT_MODE_STBY
0051 BC (c3)
0052 . C. ----- Success Verify ? OK / NG_____
0053 C.
0054 C. XRT Obs. Table Upload
0055 . S. RAM ram-291:MDP_OBS_X
0056 ( )
0057 C.
0058 +. DC 07-F0 MDP_DUMP_XRTTBL
0059 BC (84 07 00 00 00 3a d4)
0060 . C. ----- Comparison Check ? OK / ERR _____
0061 C.
0062 C.
0063 +. DC 07-F0 MDP_XRT_ROI_SET
0064 BC (cd 01 b1 b1 04 04)
0065 + DC 07-F0 MDP_XRT_ROI_SET
0066 BC (cd 02 b1 b1 08 08)
0067 + DC 07-F0 MDP_XRT_ROI_SET
0068 BC (cd 03 b1 b1 08 08)
0069 + DC 07-F0 MDP_XRT_ROI_SET
0070 BC (cd 04 b1 b1 06 06)
0071 + DC 07-F0 MDP_XRT_ROI_SET
0072 BC (cd 05 85 83 06 06)
0073 + DC 07-F0 MDP_XRT_ROI_SET
0074 BC (cd 06 85 83 06 06)
0075 + DC 07-F0 MDP_XRT_ROI_SET
0076 BC (cd 07 85 83 08 08)
0077 + DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 08 80 80 20 20)
0079 + DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 09 80 80 20 08)
0081 + DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 0a 80 80 08 20)
0083 + DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 0b 80 60 20 18)
0085 + DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 0c a0 80 18 20)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 0f 80 80 06 06)
0089 + DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 10 80 80 08 08)
0091 + DC 07-F0 MDP_XRT_FLD_ENA
0092 BC (d8)
0093 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0094 BC (c8)
0095 + DC 07-F0 MDP_XRT_AEC_RESET
```

```
0096 BC (d0)
0097 + DC 07-F0 MDP_XRT_ARS_DIS
0098 BC (d5)
0099 + DC 07-F0 MDP_XRT_FLD_RESET
0100 BC (da)
0101 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0102 BC (c4 0f)
0103 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0104 BC (c5 01)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C.
0108 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0109 C.
0110 +. DC 07-F0 MDP_XRT_MODE_OBSV
0111 BC (c2)
0112 +. TI 2014-07-10 09:28:02.0
0113 DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 . C. ----- Success Verify ? OK / NG ____
0116 C.
0117 C. ***** XRT END *****
0118 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0119 +. DC 07-FC EIS_MODE_CHG_ENA
0120 BC (20)
0121 . C. Verify EIS_MODE_CHG_FLG is ENA
0122 +. DC 07-FC EIS_MODE_MANU
0123 BC (21 02)
0124 . C. Verify EIS in MANUAL mode
0125 . C. Estimated OBSTBL upload time is 14s
0126 C. *****
0127 C. EIS START OBSTBL LOAD
0128 C. *****
0129 . S. RAM ram-820:EIS_OBSTBL
0130 ( )
0131 +. DC 07-FC EIS_DUMP_OBSTBL
0132 BC (07 07 07 00 00 70 00)
0133 C.
0134 C. Execute, after the success of OBSTBL upload.
0135 C. Set EIS TI-commands
0136 +. TI 2014-07-10 09:28:50.0
0137 DC 07-FC EIS_MODE_CHG_ENA
0138 BC (20)
0139 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0140 C. *****
0141 C. EIS END OBSTBL LOAD
0142 C. *****
0143 C.
0144 . C. ***** MDP `úÃîï»ö%ÝðĒĀð¹ñēDCBC•x²è *****
0145 C. (%ã°îÿÓŸĀŸĒŸpŸĒŸáŸçŸēñĒ%¼ññ%Ā»Ūñ¹ñē)
0146 . S. DC-BC dcbc-402:DCBC
0147 (MDP_known_event)
0148 C.
0149 C.
0150 . C. ***** ŸĐŸ¹•Ī Daily±ġİÑñĒ'Øñ¹ñēDCBC•x²è *****
0151 . S. DC-BC dcbc-153:DCBC
0152 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0153 C.
0154 C.
0155 . C. ĩãLOSŸĀŸŸŸĀŸ~¼Ā»Ū;ä
0156 C.
0157 . C. ***** LOS *****
0158 C.
```

Jul 10, 14 13:02

XRT_OGLIST_0397.chk

Page 1/4

*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----|----|----|----|----|
| 2014/07/10 | 09:39:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2014/07/10 | 17:38:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/10 | 17:38:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2014/07/10 | 17:38:30.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2014/07/10 | 17:38:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2014/07/10 | 17:41:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2014/07/10 | 17:41:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/10 | 17:41:28.0 | XRT_QT_PROG_SET_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0e | | | |
| 2014/07/10 | 17:41:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/10 | 17:48:24.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/10 | 17:48:30.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2014/07/10 | 23:10:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 |
| 2014/07/11 | 00:40:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2014/07/11 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 05:59:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2014/07/11 | 06:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2014/07/11 | 06:00:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2014/07/11 | 06:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2014/07/11 | 06:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/11 | 06:02:58.0 | XRT_QT_PROG_SET_444_OG [0x1bc] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0e | | | |
| 2014/07/11 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 06:09:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2014/07/11 | 06:10:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2014/07/11 | 06:10:16.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2014/07/11 | 06:10:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2014/07/11 | 06:10:20.0 | XRT_AEC_RESET_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2014/07/11 | 06:10:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/11 | 06:10:24.0 | XRT_FLD_RESET_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 06:12:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2014/07/11 | 06:12:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 01 | | | |
| 2014/07/11 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 06:54:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 06:54:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 06:54:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/11 | 06:57:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/11 | 07:30:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 07:31:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 08:34:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 08:34:02.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 08:34:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/11 | 08:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/11 | 09:09:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 09:10:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 10:15:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 10:15:32.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 10:15:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | | | | | | | |

Jul 10, 14 13:02

XRT_OGLIST_0397.chk

Page 2/4

| | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|-------|
| 2014/07/11 | 10:18:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2014/07/11 | 10:29:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 10:29:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2014/07/11 | 10:30:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 00 | 56 | 0c | 00 9b |
| 2014/07/11 | 10:30:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | |
| 2014/07/11 | 10:30:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | |
| 2014/07/11 | 10:30:20.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | |
| 2014/07/11 | 10:30:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2014/07/11 | 10:30:24.0 | XRT_FLD_RESET_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2014/07/11 | 10:32:56.0 | XRT_QT_PROG_SET_421_OG [0x1a5] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 06 | | |
| 2014/07/11 | 10:32:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 01 | | |
| 2014/07/11 | 10:47:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 10:48:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 11:55:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 11:55:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2014/07/11 | 11:55:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2014/07/11 | 11:58:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2014/07/11 | 12:25:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 12:26:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 13:34:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 13:34:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2014/07/11 | 13:34:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2014/07/11 | 13:37:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2014/07/11 | 14:10:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 14:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 15:12:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 15:12:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2014/07/11 | 15:12:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2014/07/11 | 15:15:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2014/07/11 | 16:00:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 16:01:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 16:51:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 16:51:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | |
| 2014/07/11 | 16:51:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | |
| 2014/07/11 | 16:54:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | |
| 2014/07/11 | 17:37:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | |
| 2014/07/11 | 17:38:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 17:54:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 17:54:26.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2014/07/11 | 17:54:30.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 00 00 |
| 2014/07/11 | 17:54:46.0 | XRT_FLD_DIS_434_OG [0x1b2] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | |
| 2014/07/11 | 17:57:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | |
| 2014/07/11 | 17:57:26.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | |
| 2014/07/11 | 17:57:28.0 | XRT_QT_PROG_SET_444_OG [0x1bc] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0e | | |
| 2014/07/11 | 17:57:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | |
| 2014/07/11 | 18:04:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | |
| 2014/07/11 | 18:04:26.0 | XRT_FOCUS_POSITION_449_OG [0x1c1] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2014/07/11 | 18:04:30.0 | AOCS_ORe-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 | ad | 59 | 00 00 |
| 2014/07/11 | 18:04:46.0 | XRT_FLD_DIS_446_OG [0x1be] | | | | | | | |

Jul 10, 14 13:02

XRT_OGLIST_0397.chk

Page 3/4

| | | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|----|
| 2014/07/11 | 18:04:48.0 | XRT_FLRCTRL_DIS_445_OG [0x1bd] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2014/07/11 | 18:04:50.0 | XRT_ARS_DIS_414_OG [0x19e] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/11 | 18:04:52.0 | XRT_QT_PROG_SET_436_OG [0x1b4] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0a | | | |
| 2014/07/11 | 18:19:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 20:04:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 20:04:26.0 | XRT_FOCUS_POSITION_449_OG [0x1c1] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2014/07/11 | 20:04:30.0 | AOCS_ORe-point_Start_6_OG [0x09c] | AOCU_NM | 5 | 02-76 | 00 | 00 | 00 | 54 | 00 |
| 2014/07/11 | 20:04:46.0 | XRT_FLD_DIS_446_OG [0x1be] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2014/07/11 | 20:04:48.0 | XRT_FLRCTRL_DIS_445_OG [0x1bd] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2014/07/11 | 20:04:50.0 | XRT_ARS_DIS_414_OG [0x19e] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/11 | 20:04:52.0 | XRT_QT_PROG_SET_409_OG [0x199] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 12 | | | |
| 2014/07/11 | 20:19:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 22:04:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 22:04:26.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | fe | 97 | 00 | |
| 2014/07/11 | 22:04:30.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2014/07/11 | 22:04:46.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2014/07/11 | 22:04:48.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2014/07/11 | 22:04:50.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2014/07/11 | 22:04:52.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2014/07/11 | 22:04:54.0 | XRT_FLD_RESET_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 22:07:26.0 | XRT_QT_PROG_SET_443_OG [0x1bb] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 | | | |
| 2014/07/11 | 22:07:28.0 | XRT_FL_PROG_SET_438_OG [0x1b6] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 01 | | | |
| 2014/07/11 | 22:27:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2014/07/11 | 22:28:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/11 | 23:24:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/11 | 23:24:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/11 | 23:24:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/11 | 23:27:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/11 | 23:54:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2014/07/11 | 23:55:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/12 | 01:03:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/12 | 01:03:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/12 | 01:03:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/12 | 01:06:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/12 | 01:33:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2014/07/12 | 01:34:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/12 | 02:41:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/12 | 02:41:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/12 | 02:41:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/12 | 02:44:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/12 | 03:11:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2014/07/12 | 03:12:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/12 | 04:10:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2014/07/12 | 04:10:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2014/07/12 | 04:10:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2014/07/12 | 04:13:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2014/07/12 | 04:50:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | | | | |
| 2014/07/12 | 04:51:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2014/07/12 | 05:51:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | | |

Jul 10, 14 13:02

XRT_OGLIST_0397.chk

Page 4/4

| | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2014/07/12 | 05:51:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 05:51:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2014/07/12 | 05:54:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2014/07/12 | 06:28:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2014/07/12 | 06:29:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2014/07/12 | 06:33:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 06:33:56.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | |
| 2014/07/12 | 06:34:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |
| 2014/07/12 | 06:34:16.0 | XRT_FLD_DIS_434_OG [0x1b2] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2014/07/12 | 06:36:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2014/07/12 | 06:36:56.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2014/07/12 | 06:36:58.0 | XRT_QT_PROG_SET_444_OG [0x1bc] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0e | |
| 2014/07/12 | 06:37:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2014/07/12 | 06:43:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 06:43:56.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | |
| 2014/07/12 | 06:44:00.0 | AOCS_Ore-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 02 00 00 00 00 | |
| 2014/07/12 | 06:44:16.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2014/07/12 | 06:44:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2014/07/12 | 06:44:20.0 | XRT_AEC_RESET_413_OG [0x19d] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2014/07/12 | 06:44:22.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2014/07/12 | 06:44:24.0 | XRT_FLD_RESET_431_OG [0x1af] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2014/07/12 | 06:46:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | |
| 2014/07/12 | 06:46:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01 | |
| 2014/07/12 | 06:47:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2014/07/12 | 07:31:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 07:31:32.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2014/07/12 | 07:31:34.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2014/07/12 | 07:34:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2014/07/12 | 08:06:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2014/07/12 | 08:07:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2014/07/12 | 09:11:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 09:11:02.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2014/07/12 | 09:11:04.0 | XRT_PREFLR_STRT_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2014/07/12 | 09:14:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2014/07/12 | 09:46:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2014/07/12 | 09:47:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | |