

XRT Timeline to be uploaded on 2018/05/05

Period: 2018/05/05 10:14:00 - 2018/05/10 09:55:00

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Normal mode

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| XOB #1AEC: G-Band Alignment with North Pole Q90 2x2 (G-band and VLS=CLS) - 1msec (Al/poly) - 4096msec - 5min cadence - Partial Sun-wNGT | | | | | | | | | | | | |
|---|----------------|---------------------|-------|------|-------|--|-----|-----|-----------------------|-------|------------|----------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | |
| 05/05 10:39:00 - 05/05 12:23:54 | | Fixed (0.0, 930.0) | | | | # OP start + 10min, Co-alignment at N-pole | | | | | | |
| PROG= 20 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 24-time(s) 300.0sec | | | | | | | | | | | | |
| └─ Seqn= 98 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 2x2 | 2048x1536 (1024, 768) | Q=90 | 0 | 0 2.0sec |
| └─ Seqn= 63 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 2x2 | 2048x1536 (1024, 768) | Q=90 | 0 | 0 2.0sec |
| └─ Seqn= 45 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Al-poly/Open | med-Be/Open | close | Safe | Norm | 4.00s | Obs | 2x2 | 2048x1536 (1024, 768) | Q=95 | 0 | 0 2.0sec |
| | Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |

| XOB #1AED: G-Band Alignment with East limb Q90 2x2 (G-band and VLS=CLS) - 1msec - (Al/poly) 1443msec - 8 min cadence-wNGT | | | | | | | | | | | | |
|---|----------------|---------------------|-------|------|-------|------------------------|-----|-----|------------------------|-------|------------|----------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | |
| 05/05 12:39:00 - 05/05 14:23:54 | | Fixed (-970.0, 0.0) | | | | Co-alignment at E-limb | | | | | | |
| PROG= 03 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 15-time(s) 480.0sec | | | | | | | | | | | | |
| └─ Seqn= 19 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=90 | 0 | 0 2.0sec |
| └─ Seqn= 43 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=90 | 0 | 0 2.0sec |
| └─ Seqn= 70 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Al-poly/Open | med-Be/Open | close | Safe | Norm | 1.41s | Obs | 2x2 | 1536x2048 (1280, 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 #1BD8: Synoptic 7 Filter w/ Al-mesh(64/512/2897), Al-poly(45/512/4096), Thin-Be(1024/11571/23142) - Thick-Be(65536), Al-poly+Ti-poly(512/8192), Med | | | | | | | | | | | | |
|---|-----------------|-------------------|-------|------|-------|--------------|-----|-----|------------------------|-------|------------|----------|
| Term | | Pointing (x, y) | | | | Comment | | | | | | |
| 05/05 14:27:00 - 05/05 14:34:58 | | Fixed (0.0, 0.0) | | | | XRT synoptic | | | | | | |
| PROG= 18 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 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= 36 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 63ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| └─ Seqn= 99 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 44ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | Al-poly/Open | Al-poly/Open | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 4.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| └─ Seqn= 33 1-time(s) 2.0sec | | | | | | | | | | | | |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| | thin-Be/Open | thin-Be/Open | close | Safe | Norm | 22.6s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| └─ Seqn= 23 1-time(s) 4.0sec | | | | | | | | | | | | |
| | Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 2.0sec |
| | Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 2.0sec |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─ Seqn= 46 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Open/thick-Be | Open/thick-Be | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 2.0sec |
| └─ Seqn= 17 1-time(s) 2.0sec | | | | | | | | | | | | |
| | med-Al/Open | med-Al/Open | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 2.0sec |
| | med-Al/Open | med-Al/Open | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 2.0sec |
| └─ Seqn= 25 1-time(s) 2.0sec | | | | | | | | | | | | |
| | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 2.0sec |
| | Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 8.00s | Obs | 2x2 | 2048x2048 (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 |

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Flare mode

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NOT USED

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Active Region Search

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NOT USED

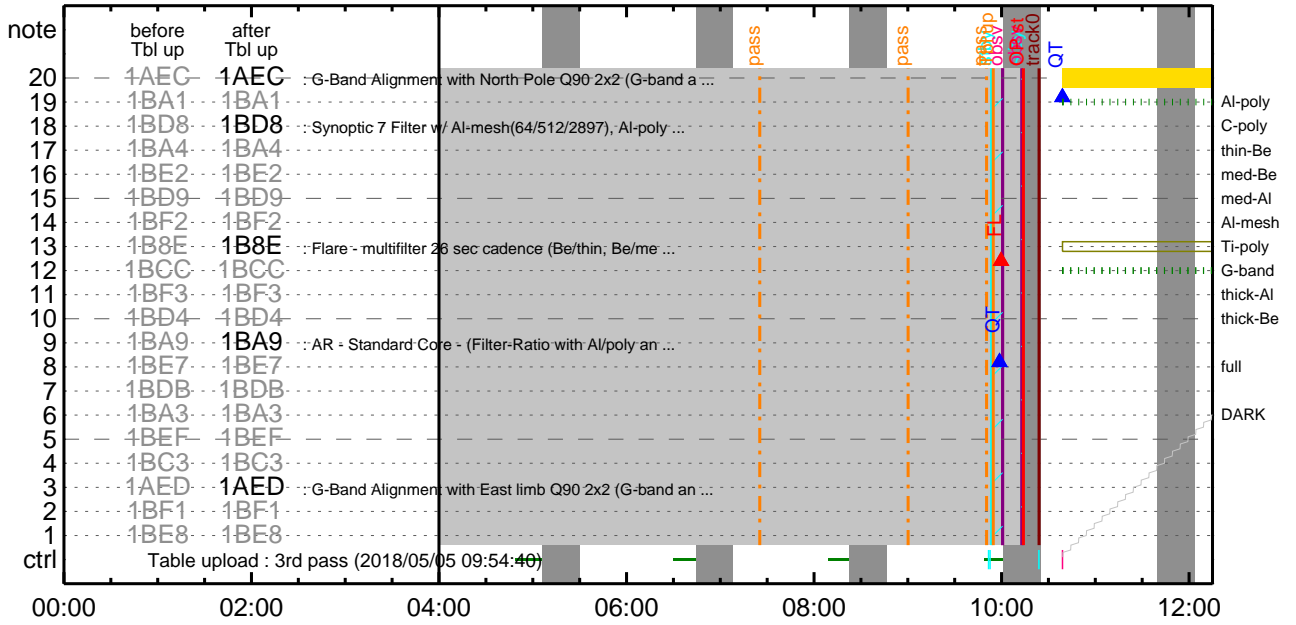
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Flare Detection

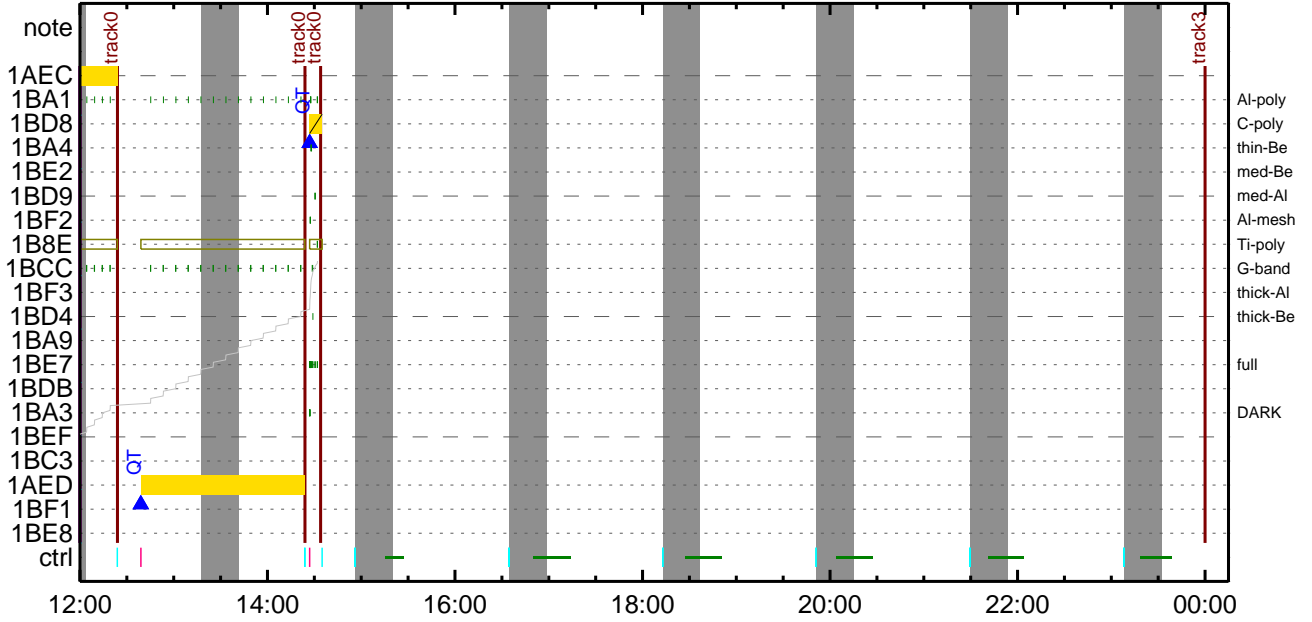
* * * * *

NOT USED

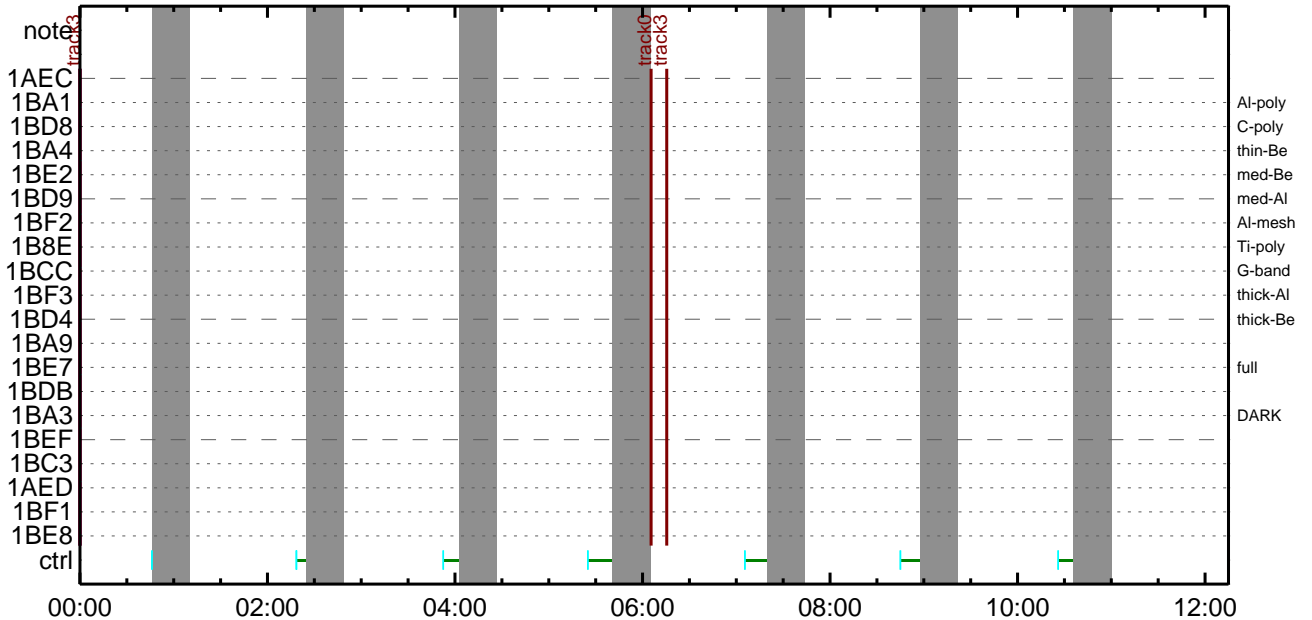
CMDI #0476 2018/05/05



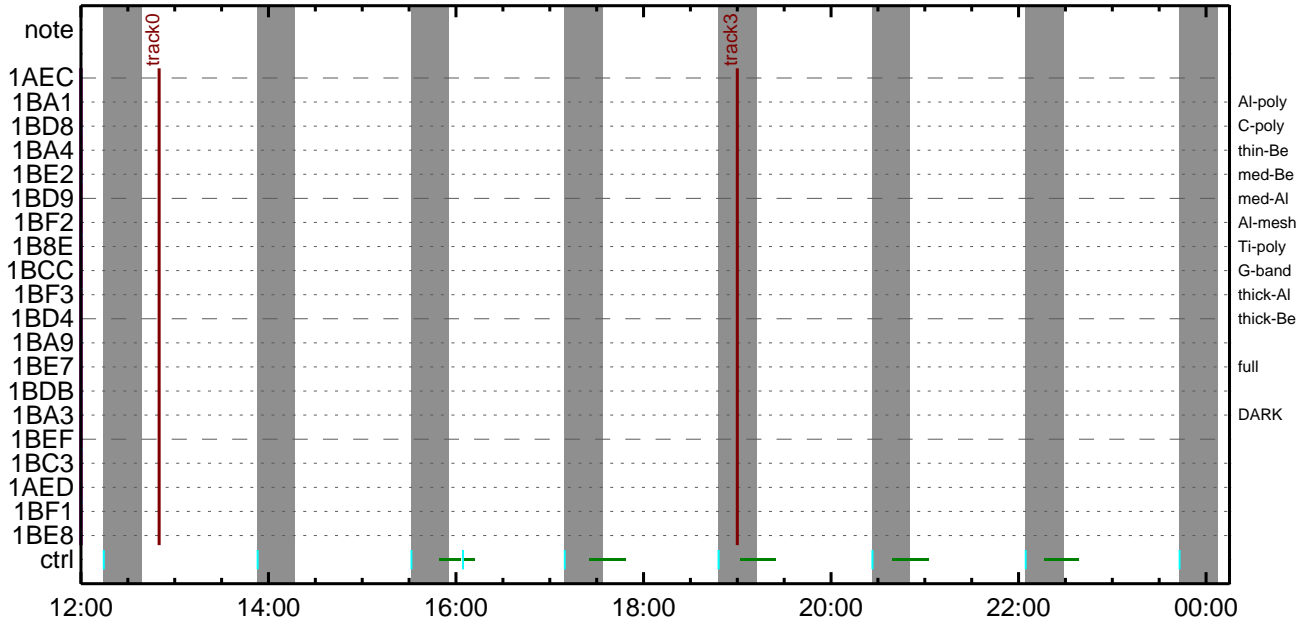
CMDI #0476 2018/05/05



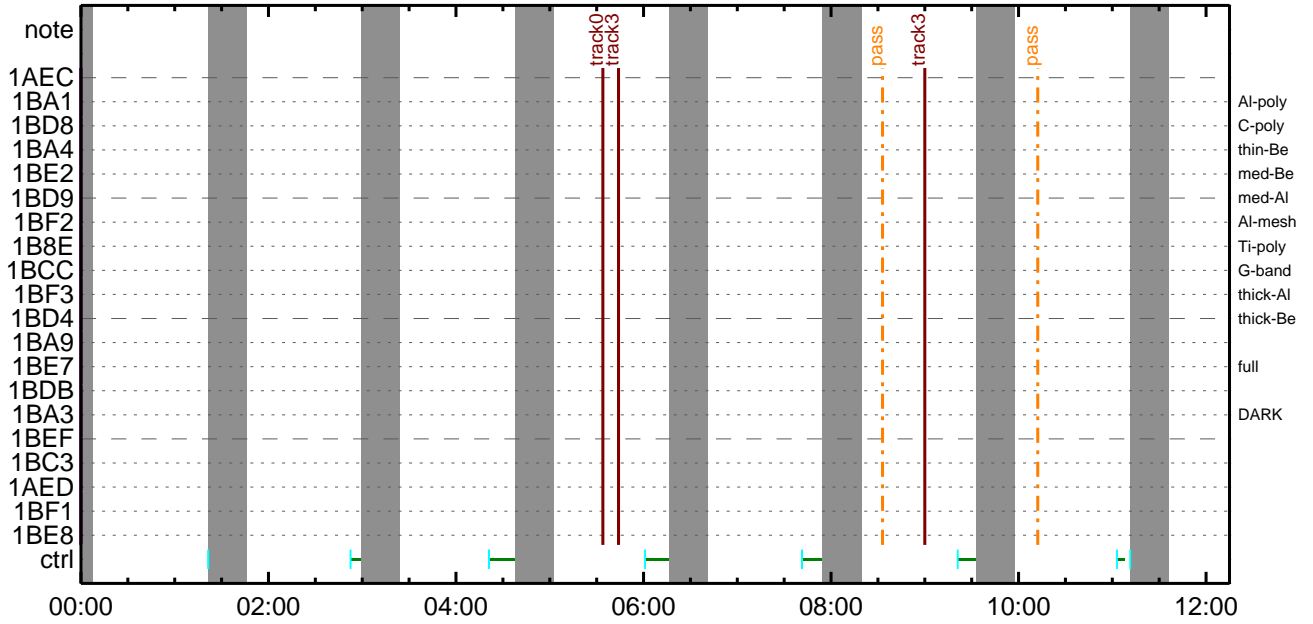
CMDI #0476 2018/05/06



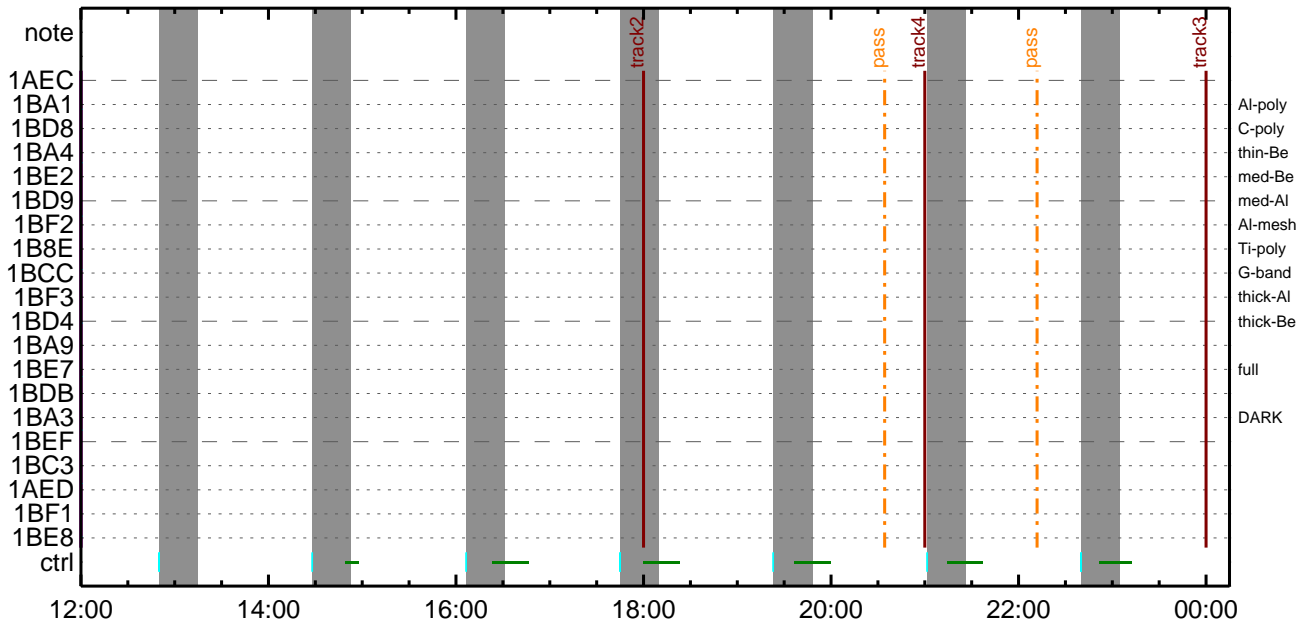
CMDI #0476 2018/05/06



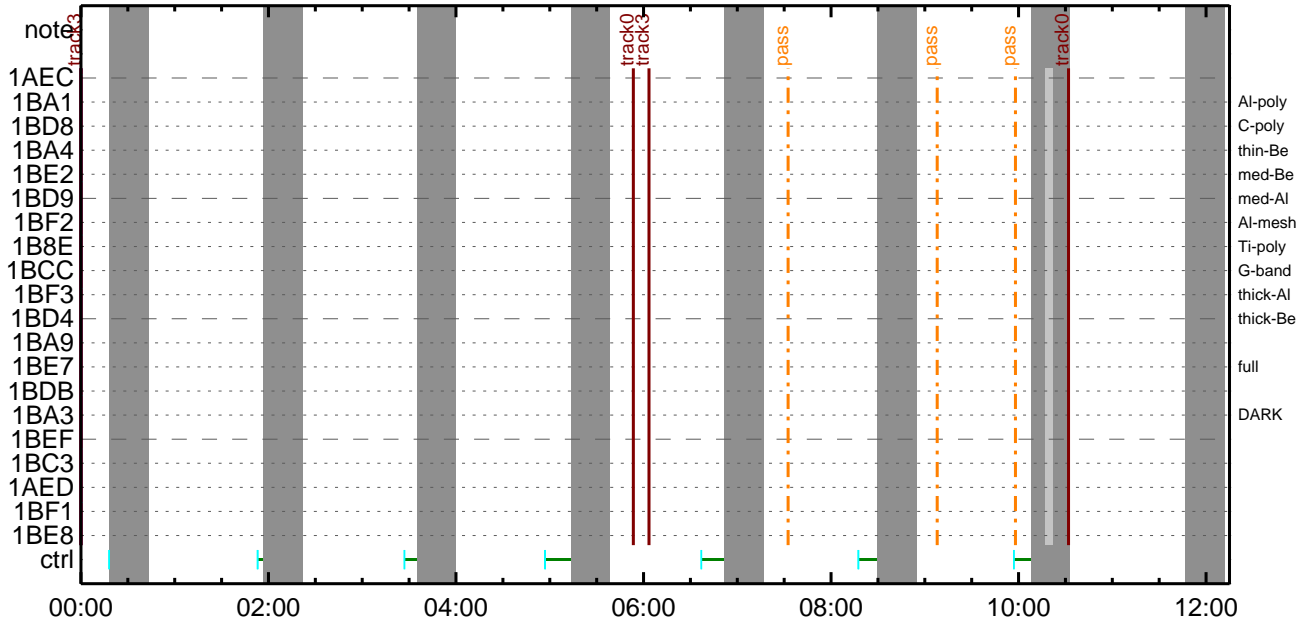
CMDI #0476 2018/05/07



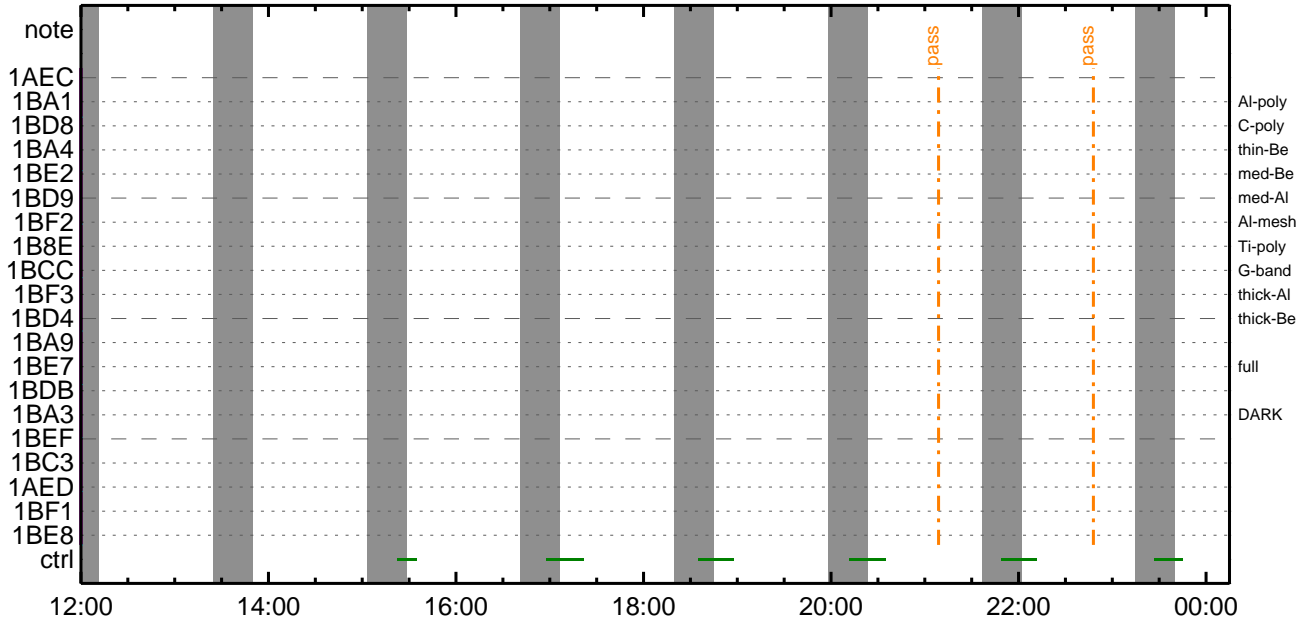
CMDI #0476 2018/05/07



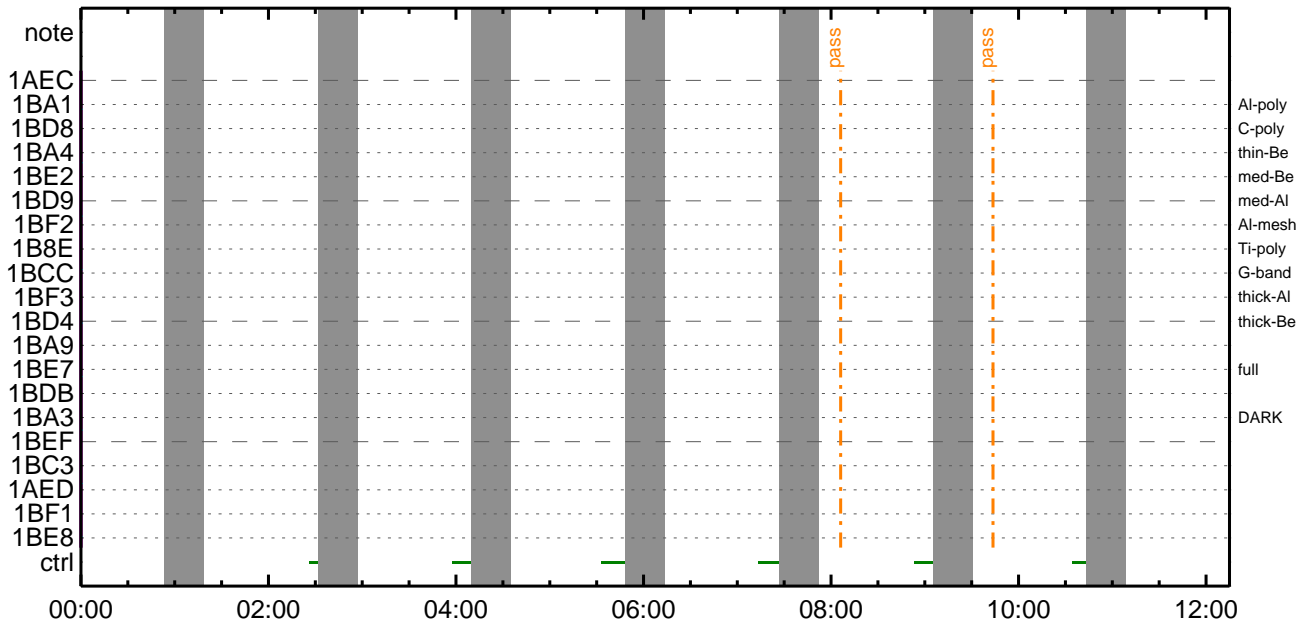
CMDI #0476 2018/05/08



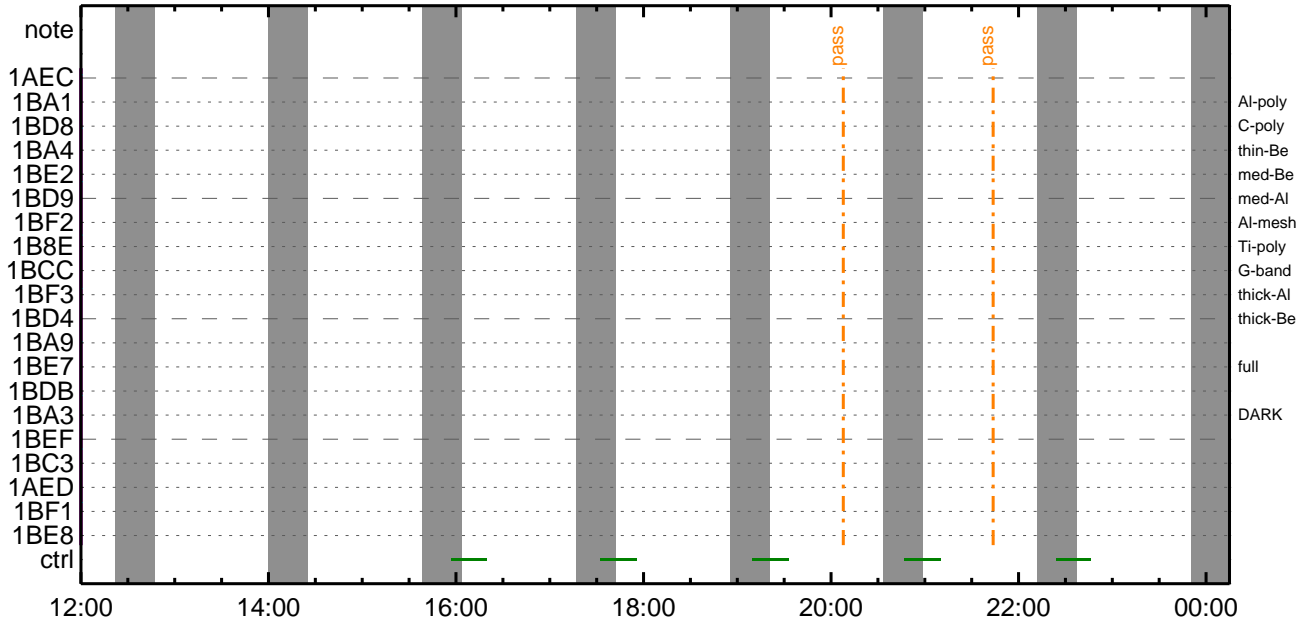
CMDI #0476 2018/05/08



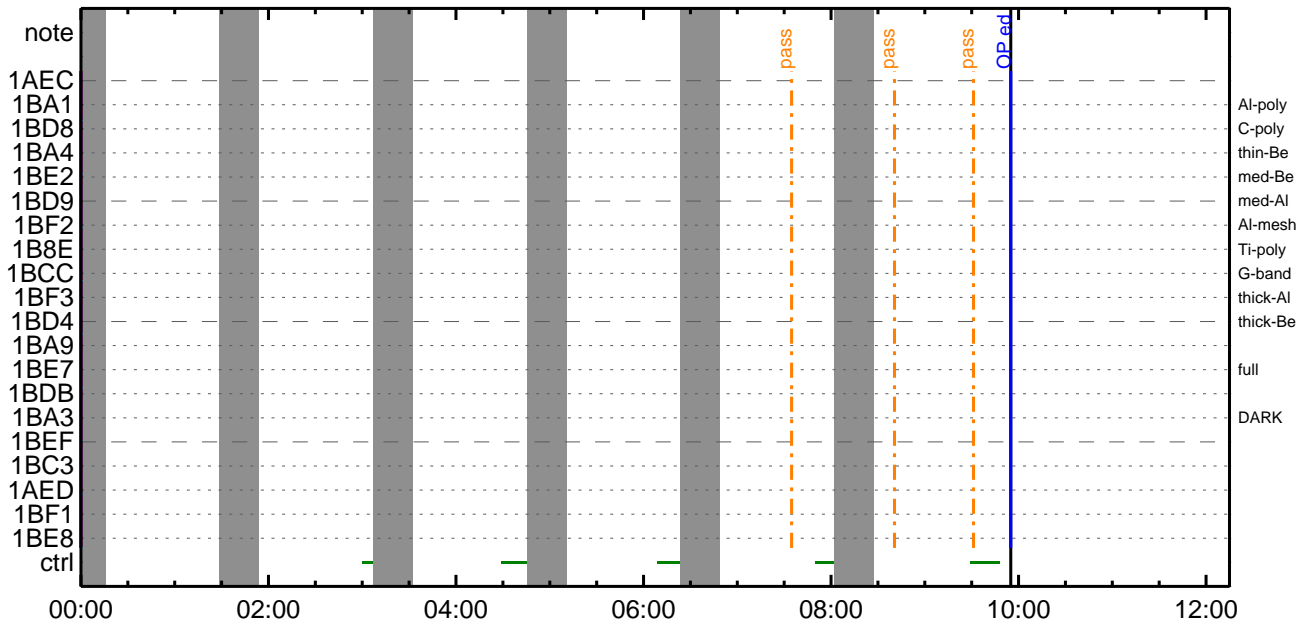
CMDI #0476 2018/05/09



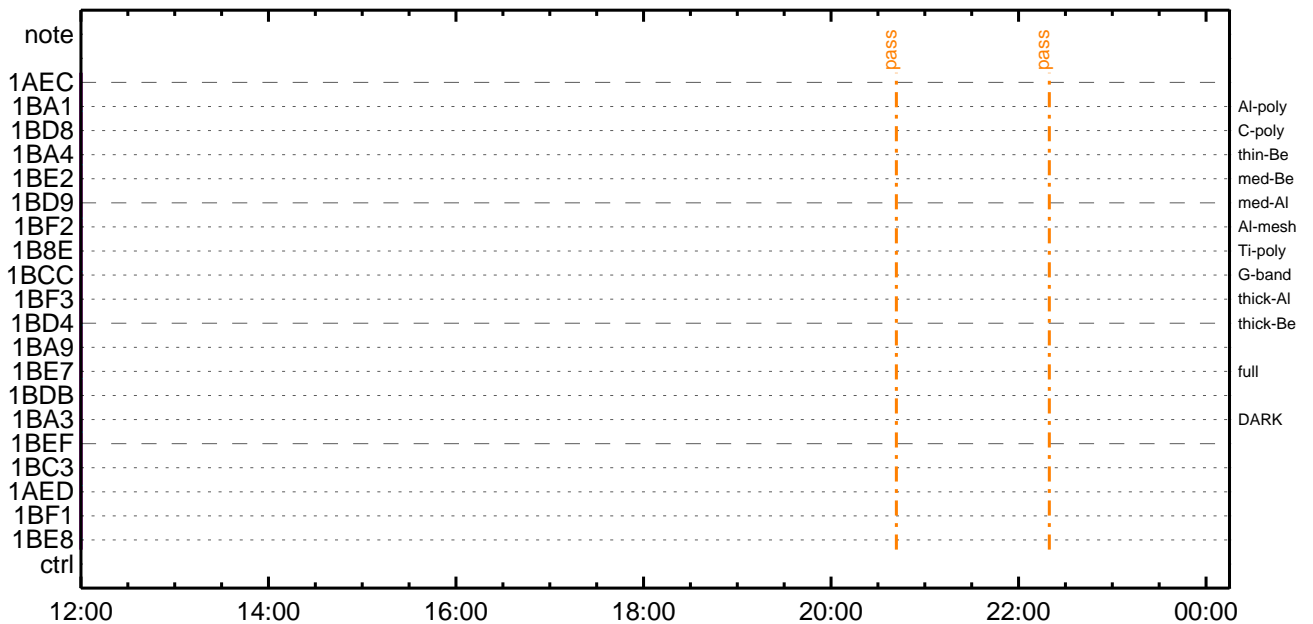
CMDI #0476 2018/05/09



CMDI #0476 2018/05/10



CMDI #0476 2018/05/10




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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-354:OP
0104 ( )
0105 S. OG og-354:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOYx½ªî»ò³îç§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç•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=NMOG²î¼E¹ç•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=OP²î¼E¹ç•è²îOKò³îç§
0165 C.
0166 C. ***** °E²¼òî¼Ã´¶Á°òEÉ¬ò°Á÷¿@ (¼âµ-YAYOYx½ê¼çòðÁÓÆòç¼ª°¬òE¼î¹çòçòâ) *****
0167 C. DHUYâ;4YE;E¼Y½;Yî;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î¼î¹ç;ç°E²¼òî¼TI-CMDÁ÷¿@²î¼Á¹Ô²•²E²²²³òE;f
0180 C. ²²²¿;çSET²E²DUMP²î¼E²±²îY²¹²ç¹Ô²|²³²E;f
0181 C.
0182 C. TIY³Y²YóYÉ²òðÁDî¿(UT)
0183 +. TI 2018-05-05 10:09:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2018-05-05 10:09:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2018-05-05 10:09:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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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.
0130 . C. ***** MDP 'ûÃîñî»ò¼ÿñÊÃÐñ¹ñèDCBC•x²è *****
0131 C. (¼ã°îÿÓÿÃÿÊÿPÿËÿáÿçÿèñÊ¼ã¼Ã»Ûñ¹ñè)
0132 . S. DC-BC dcbc-402:DCBC
0133 (MDP_known_event)
0134 C.
0135 C.
0136 . C. ***** ÿDÿ¹•Ï Daily±;îÑñÊ'Øñ¹ñèDCBC•x²è *****
0137 . S. DC-BC dcbc-153:DCBC
0138 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0139 C.
0140 C.
0141 . C. ;ãLOSÿÃÿSÿÿÿ¼Ã»Û;ã
0142 C.
0143 . C. ***** LOS *****
0144 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-356 2018-05-05 12:23:09 132 33 SOLAR-B MAIN //
0001  C.
0002  . C. ***** AOS *****
0003  C.
0004  . C. ;äAOSYÄYSYÄY-¼Ä»Ü;ä
0005  C.
0006  C. YÄYB;¼Y³YFYÖYEÄ+¿®
0007  +. DC 00-00 NULL_DUMMY_CMD
0008  C.
0009  . C. ***** AOCs : Reload orbital element (send every contact) *****
0010  C. ÄíÈ¿αΑ•μ°È»Í×ÁÇαÍYçYÄY×Yí;¼YÉ;ÈÈè%μ•íÉ;ÈEÈ¼°ÇÔα•α¿¼l¹çαÍ;çÄ®,ùα¹αèαBαÇÄ+¿®α•αÈααα³αÈ;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-288: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. *****
0036  C. SOT TI command set
0037  C. *****
0038  C. Execute, after the success of TBL upload.
0039  +. TI 2018-05-05 10:13:18.0
0040  DC 07-F0 MDP_SOT_MODE_OBSV
0041  BC (40)
0042  C. -----
0043  C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044  C. -----
0045  C.
0046  C.
0047  C. ***** XRT START *****
0048  C.
0049  +. DC 07-F0 MDP_XRT_CTRL_MANU
0050  BC (c1)
0051  +. DC 07-F0 MDP_XRT_CTRL_MANU
0052  BC (c1)
0053  +. DC 07-F0 MDP_XRT_MODE_STBY
0054  BC (c3)
0055  . C. ----- Success Verify ? OK / NG_____
0056  C.
0057  C. XRT Obs. Table Upload
0058  . S. RAM ram-291:MDP_OBS_X
0059  ( )
0060  C.
0061  +. DC 07-F0 MDP_DUMP_XRTTBL
0062  BC (84 07 00 00 00 3a d4)
0063  . C. ----- Comparison Check ? OK / ERR _____
0064  C.
0065  C.
0066  +. DC 07-F0 MDP_XRT_ROI_SET
0067  BC (cd 01 b1 b1 04 04)
0068  +. DC 07-F0 MDP_XRT_ROI_SET
0069  BC (cd 02 b1 b1 08 08)
0070  +. DC 07-F0 MDP_XRT_ROI_SET
0071  BC (cd 03 b1 b1 08 08)
0072  +. DC 07-F0 MDP_XRT_ROI_SET
0073  BC (cd 04 b1 b1 06 06)
0074  +. DC 07-F0 MDP_XRT_ROI_SET
0075  BC (cd 06 85 83 06 06)
0076  +. DC 07-F0 MDP_XRT_ROI_SET
0077  BC (cd 07 80 60 20 18)
0078  +. DC 07-F0 MDP_XRT_ROI_SET
0079  BC (cd 08 a0 80 18 20)
0080  +. DC 07-F0 MDP_XRT_ROI_SET
0081  BC (cd 09 80 80 20 20)
0082  +. DC 07-F0 MDP_XRT_ROI_SET
0083  BC (cd 0a 80 80 20 08)
0084  +. DC 07-F0 MDP_XRT_ROI_SET
0085  BC (cd 0b 80 80 08 20)
0086  +. DC 07-F0 MDP_XRT_ROI_SET
0087  BC (cd 0f 80 80 06 06)
0088  +. DC 07-F0 MDP_XRT_ROI_SET
0089  BC (cd 10 80 80 08 08)
0090  +. DC 07-F0 MDP_XRT_FLD_ENA
0091  BC (d8)
0092  +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0093  BC (c8)
0094  +. DC 07-F0 MDP_XRT_ARS_DIS
0095  BC (d5)
```


*** OP Sequence for XRT ***

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2018/05/05 10:23:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 10:23:56.0 XRT_FOCUS_POSITION_439_OG [0x1b7]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2018/05/05 10:24:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 ad 59 00 00
2018/05/05 10:24:16.0 XRT_FLD_DIS_420_OG [0x1a4]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2018/05/05 10:38:54.0 XRT_FLRCTRL_DIS_435_OG [0x1b3]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2018/05/05 10:38:56.0 XRT_ARS_DIS_445_OG [0x1bd]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2018/05/05 10:38:58.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 14
2018/05/05 10:39:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2018/05/05 12:23:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 12:23:56.0 XRT_FOCUS_POSITION_439_OG [0x1b7]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2018/05/05 12:24:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 56 35
2018/05/05 12:24:16.0 XRT_FLD_DIS_420_OG [0x1a4]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2018/05/05 12:38:54.0 XRT_FLRCTRL_DIS_435_OG [0x1b3]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2018/05/05 12:38:56.0 XRT_ARS_DIS_445_OG [0x1bd]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2018/05/05 12:38:58.0 XRT_QT_PROG_SET_414_OG [0x19e]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 03
2018/05/05 12:39:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2018/05/05 14:23:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 14:23:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 14:23:58.0 XRT_FOCUS_POSITION_403_OG [0x193]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2018/05/05 14:24:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 00 00 00 00 00
2018/05/05 14:24:18.0 XRT_FLD_DIS_425_OG [0x1a9]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2018/05/05 14:26:54.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2018/05/05 14:26:56.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2018/05/05 14:26:58.0 XRT_QT_PROG_SET_434_OG [0x1b2]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 12
2018/05/05 14:27:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2018/05/05 14:34:00.0 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCU_NM 5 02-76 00 f2 a8 51 ca
2018/05/05 14:34:58.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 14:35:00.5 XRT_TCIB_XRT_S_HTR_A_ENA_438_OG [0x1b6]
                        TCIB_XRT_S_HTR_A_ENA 0 04-BC
2018/05/05 14:56:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 14:56:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 14:56:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2018/05/05 14:56:06.0 XRT_PREFLR_STRT_406_OG [0x196]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2018/05/05 14:59:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2018/05/05 16:34:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 16:34:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 16:34:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2018/05/05 16:34:36.0 XRT_PREFLR_STRT_406_OG [0x196]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2018/05/05 16:37:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2018/05/05 18:13:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 18:13:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 18:13:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2018/05/05 18:13:06.0 XRT_PREFLR_STRT_406_OG [0x196]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2018/05/05 18:16:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2018/05/05 19:51:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 19:51:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2018/05/05 19:51:04.0 XRT_FLD_RESET_415_OG [0x19f]

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|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2018/05/05 | 19:51:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/05 | 19:54:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/05 | 21:29:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/05 | 21:29:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/05 | 21:29:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/05 | 21:29:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/05 | 21:32:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/05 | 23:08:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/05 | 23:08:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/05 | 23:08:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/05 | 23:08:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/05 | 23:11:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 00:00:00.5 | AOCS_Or-e-point_Start_5_OG [0x09b] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 00:46:00.0 | XRT_CTRL_MANU_400_OG [0x190] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | | | | |
| 2018/05/06 | 00:46:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 00:46:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 00:46:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 00:49:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 02:18:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 02:18:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 02:18:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 02:18:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 02:21:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 03:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 03:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 03:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 03:52:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 03:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 05:25:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 05:25:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 05:25:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 05:25:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 05:28:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 06:05:30.0 | AOCS_Or-e-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 06:15:30.0 | AOCS_Or-e-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2018/05/06 | 07:05:30.0 | XRT_CTRL_MANU_400_OG [0x190] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | | | | |
| 2018/05/06 | 07:05:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 07:05:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 07:05:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 07:08:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 08:45:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/06 | 08:45:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 08:45:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 08:45:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 08:48:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/06 | 10:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2018/05/06 | 10:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 10:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 10:26:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 10:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 12:14:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 12:14:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 12:14:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 12:14:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 12:17:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 12:50:00.0 | AOCS_OrE-point_Start_6_OG [0x09c] | AOCU_NM | 5 | 02-76 | 00 fa a8 55 58 | |
| 2018/05/06 | 13:53:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 13:53:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 13:53:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 13:53:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 13:56:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 15:31:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 15:31:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 15:31:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 15:31:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 15:34:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 16:04:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 16:04:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 16:04:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 16:04:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 16:07:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 17:09:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 17:09:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 17:09:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 17:09:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 17:12:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 18:48:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 18:48:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 18:48:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 18:48:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 18:51:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 19:00:00.0 | AOCS_OrE-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | |
| 2018/05/06 | 20:26:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 20:26:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 20:26:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 20:26:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 20:29:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 22:04:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 22:04:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2018/05/06 | 22:04:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2018/05/06 | 22:04:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2018/05/06 | 22:07:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2018/05/06 | 23:43:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |

| | | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2018/05/06 | 23:43:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 23:43:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/06 | 23:43:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/06 | 23:46:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 01:21:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 01:21:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 01:21:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 01:21:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 01:24:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 02:52:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 02:52:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 02:52:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 02:52:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 02:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 04:21:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 04:21:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 04:21:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 04:21:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 04:24:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 05:34:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 05:44:00.0 | AOCS_ORe-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2018/05/07 | 06:01:00.0 | XRT_CTRL_MANU_400_OG [0x190] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | | | | |
| 2018/05/07 | 06:01:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 06:01:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 06:01:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 06:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 07:41:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 07:41:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 07:41:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 07:41:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 07:44:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 09:00:00.0 | AOCS_ORe-point_Start_5_OG [0x09b] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 09:21:00.0 | XRT_CTRL_MANU_400_OG [0x190] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | | | | |
| 2018/05/07 | 09:21:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 09:21:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 09:21:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 09:24:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 11:03:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 11:03:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 11:03:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 11:03:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 11:06:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 11:11:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 11:11:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 11:11:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 11:11:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |

| | | | | | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2018/05/07 | 11:14:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 12:50:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 12:50:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 12:50:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 12:50:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 12:53:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 14:28:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 14:28:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 14:28:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 14:28:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 14:31:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 16:06:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 16:06:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 16:06:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 16:06:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 16:09:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 17:45:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 17:45:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 17:45:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 17:45:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 17:48:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 18:00:00.0 | AOCS_ORe-point_Start_7_OG [0x09d] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 02 00 00 00 00 | | | | |
| 2018/05/07 | 19:23:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 19:23:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 19:23:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 19:23:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 19:26:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 21:00:00.0 | AOCS_ORe-point_Start_8_OG [0x09e] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 04 00 00 00 00 | | | | |
| 2018/05/07 | 21:01:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 21:01:32.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 21:01:34.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 21:01:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 21:04:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/07 | 22:40:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 22:40:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/07 | 22:40:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/07 | 22:40:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/07 | 22:43:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/08 | 00:00:00.0 | AOCS_ORe-point_Start_5_OG [0x09b] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 | | | | |
| 2018/05/08 | 00:18:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/08 | 00:18:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/08 | 00:18:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2018/05/08 | 00:18:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2018/05/08 | 00:21:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2018/05/08 | 01:53:00.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/08 | 01:53:02.0 | XRT_CTRL_MANU_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2018/05/08 | 01:53:04.0 | XRT_FLD_RESET_415_OG [0x19f] | | | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2018/05/08 | 01:53:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 01:56:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 03:27:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/05/08 | 03:27:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 03:27:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 03:27:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 03:30:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 04:57:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/05/08 | 04:57:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 04:57:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 04:57:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 05:00:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 05:53:30.0 | AOCS_Ore-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/05/08 | 06:03:30.0 | AOCS_Ore-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2018/05/08 | 06:37:00.0 | XRT_CTRL_MANU_400_OG [0x190] | AOCU_NM | 5 | 02-76 | 03 00 00 00 00 |
| 2018/05/08 | 06:37:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 06:37:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 06:37:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 06:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 08:17:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/05/08 | 08:17:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 08:17:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 08:17:36.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 08:20:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 09:57:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2018/05/08 | 09:57:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 09:57:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2018/05/08 | 09:57:06.0 | XRT_PREFLR_STRT_406_OG [0x196] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2018/05/08 | 10:00:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2018/05/08 | 10:32:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| | | AOCU_NM | | 5 | 02-76 | 00 00 00 00 00 |