

# XRT Timeline to be uploaded on 2024/08/17

Period: 2024/08/17 11:05:00 - 2024/08/22 11:08:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

## XOB #1CA6: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 72s

| Term                              | Pointing (x, y)                                   | Comment  |
|-----------------------------------|---|--|
| 08/17 11:20:30 - 08/17 17:30:30   | Track ( 533.7, 111.5) <sup>@ 08/17 11:15:00</sup> | # OP start + 10min, AR13784  |
| 08/17 18:16:30 - 08/18 03:07:00   | Track ( 581.3, 115.9) <sup>@ 08/17 18:13:30</sup> | AR13784  |
| <b>PROG= 16 Inf.-time(s)</b>      |   |  |
| <b>Subr= 1 1-time(s) 2.0sec</b>   |   |  |
| <b>Seqn= 92 1-time(s) 2.0sec</b>  |   |  |
| Open/G-band                       | Open/G-band open                                  | Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec               |
| Open/G-band                       | Open/G-band close                                 | Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec               |
| Open/Ti-poly                      | Open/thick-Al close                               | Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec             |
| <b>Seqn= 71 3-time(s) 2.0sec</b>  |   |  |
| Open/thick-Al                     | Open/thick-Be close                               | Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=98 3 0 2.0sec             |
| <b>Subr= 2 75-time(s) 72.0sec</b> |   |  |
| <b>Seqn= 94 1-time(s) 34.0sec</b> |   |  |
| Al-poly/Open                      | thin-Be/Open close                                | Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 2 0 2.0sec             |
| Al-poly/Open                      | thin-Be/Open close                                | Safe Norm 250ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec             |
| <b>Seqn= 58 1-time(s) 34.0sec</b> |   |  |
| 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 1 2.0sec             |
| <b>Seqn= 48 1-time(s) 2.0sec</b>  |   |  |
| Al-poly/Open                      | thin-Be/Open close                                | Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec             |
| thin-Be/Open                      | med-Be/Open close                                 | Safe Norm 1.00s 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 #1D08: Synoptic for HOP448 w/ Al-mesh(3/128/723), Al-poly(5/181/1443), Thin-Be(24/512/4096), Thick-Be(32768), Med-Al(181/5795/32768), Med-Be(88/4

| Term                             | Pointing (x, y)        | Comment  |
|----------------------------------|------------------------|--|
| 08/17 18:06:30 - 08/17 18:13:24  | Fixed ( 0.0, 0.0)      | synoptic, shifted 3.5 min  |
| <b>PROG= 20 1-time(s)</b>        |                        |  |
| <b>Subr= 1 1-time(s) 2.0sec</b>  |                        |  |
| <b>Seqn= 5 1-time(s) 2.0sec</b>  |                        |  |
| 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            |
| <b>Seqn= 55 1-time(s) 2.0sec</b> |                        |  |
| 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           |
| <b>Seqn= 98 1-time(s) 2.0sec</b> |                        |  |
| Al-poly/Open                     | Al-poly/Open close     | Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec             |
| Al-poly/Open                     | Al-poly/Open close     | Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| Al-poly/Open                     | Al-poly/thick-Al close | Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| <b>Seqn= 76 1-time(s) 2.0sec</b> |                        |  |
| thin-Be/Open                     | thin-Be/Open close     | Safe Norm 24ms 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 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| <b>Seqn= 23 1-time(s) 4.0sec</b> |                        |  |
| 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             |
| <b>Subr= 2 1-time(s) 2.0sec</b>  |                        |  |
| <b>Seqn= 41 1-time(s) 2.0sec</b> |                        |  |
| Open/thick-Be                    | Open/thick-Be close    | Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec           |
| <b>Seqn= 18 1-time(s) 2.0sec</b> |                        |  |
| med-Al/Open                      | med-Al/thick-Al close  | Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| med-Al/Open                      | med-Al/Open close      | Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| med-Al/Open                      | med-Al/Open close      | Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| <b>Seqn= 86 1-time(s) 2.0sec</b> |                        |  |
| med-Be/Open                      | Open/thick-Al close    | Safe Norm 86ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec            |
| med-Be/Open                      | med-Be/Open close      | Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec           |
| med-Be/Open                      | med-Be/Open close      | Safe Norm 22.6s Obs 2x2 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 #1D09: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[5/181/1443], thin-Be[16/512/3897] with 512x512 G-band+Leak - 90min cad) + CME wa

| Term                              | Pointing (x, y)    | Comment  |
|-----------------------------------|--------------------|--|
| 08/18 03:42:30 - 08/18 05:50:00   | Fixed ( 0.0, 0.0)  | synoptic, HOP349, EIS QS                                       |
| <b>PROG= 18 Inf.-time(s)</b>      |                    |  |
| <b>Subr= 1 1-time(s) 600.0sec</b> |                    |  |
| <b>Seqn= 55 1-time(s) 2.0sec</b>  |                    |  |
| 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 |



|                                   |                  |       |      |       |       |     |     |                      |       |            |          |        |
|-----------------------------------|------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Al-poly/Open                      | Al-poly/thick-Al | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 73 1-time(s) 10.0sec</b> |                  |       |      |       |       |     |     |                      |       |            |          |        |
| thin-Be/Open                      | med-Be/Open      | close | Safe | Norm  | 125ms | 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-Be                     | Open/thick-Be    | close | Safe | Norm  | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| <b>Subr= 2 1-time(s) 2.0sec</b>   |                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 10 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| 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 |
| <b>Seqn= 11 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open                      | Al-poly/thick-Al | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 87 1-time(s) 2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Open/G-band                       | Open/G-band      | open  | Safe | Norm  | 1ms   | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/G-band                       | Open/G-band      | close | Safe | Norm  | 1ms   | 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 |        |

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### Active Region Search

\* \* \* \* \*

NOT USED

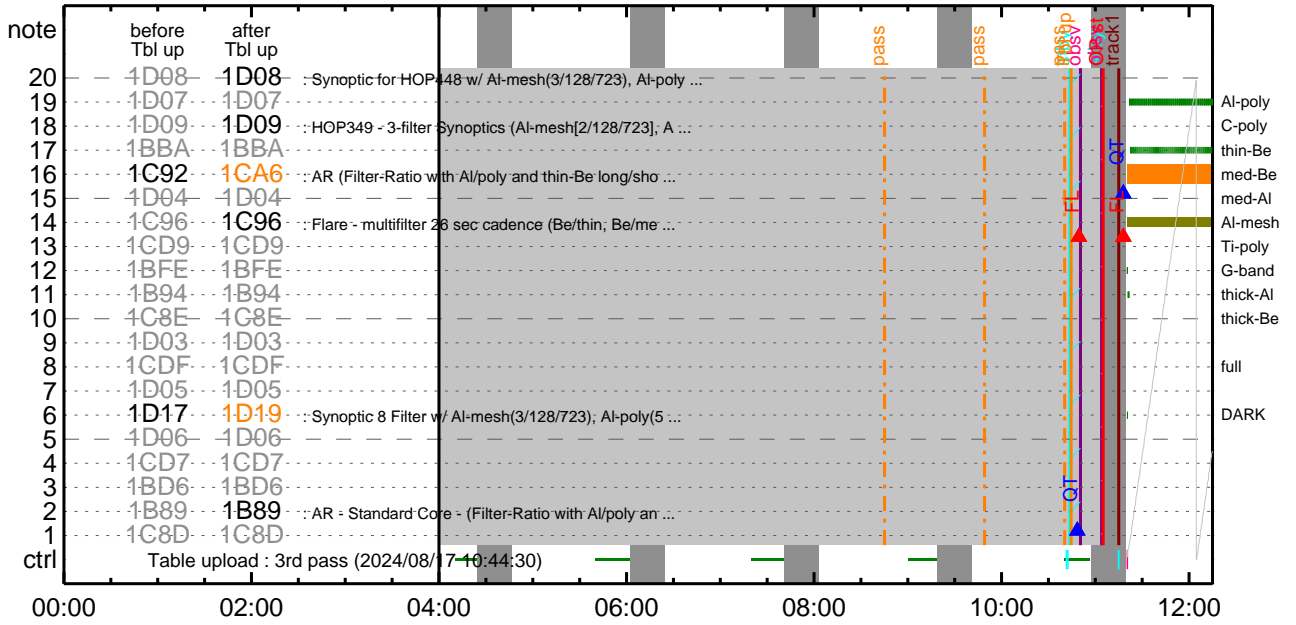
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### Flare Detection

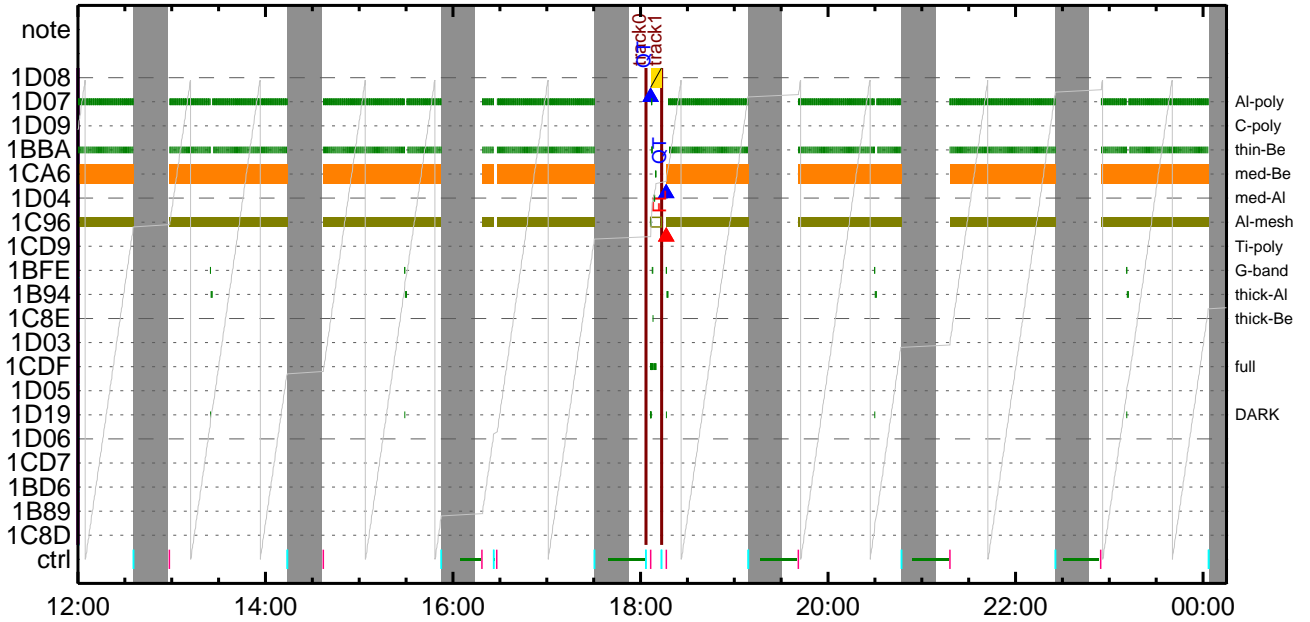
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| FLD Patrol                      |   |       |      |       |      |     |     |                    |       |            |          |  |
|---------------------------------|---|-------|------|-------|------|-----|-----|--------------------|-------|------------|----------|--|
| Term                            | Pointing (x, y)   |       |      |       |      |     |     | Comment            |       |            |          |  |
| 08/17 10:45:30 - 08/17 18:03:48 | cannot be identified                                      |       |      |       |      |     |     |                    |       |            |          |  |
| 08/17 18:13:48 - 08/18 05:50:24 | Track ( 581.3, 115.9) <sup>® 08/17 18:13:30</sup> AR13784 |       |      |       |      |     |     |                    |       |            |          |  |
| Al-poly/Open                    | Al-poly/Open  | close | Safe | Norm  | 4ms  | Obs | 8x8 | Q=50               | 30sec |            |          |  |
| Default Filter                  | Thicker Filter  | VLS   | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |  |

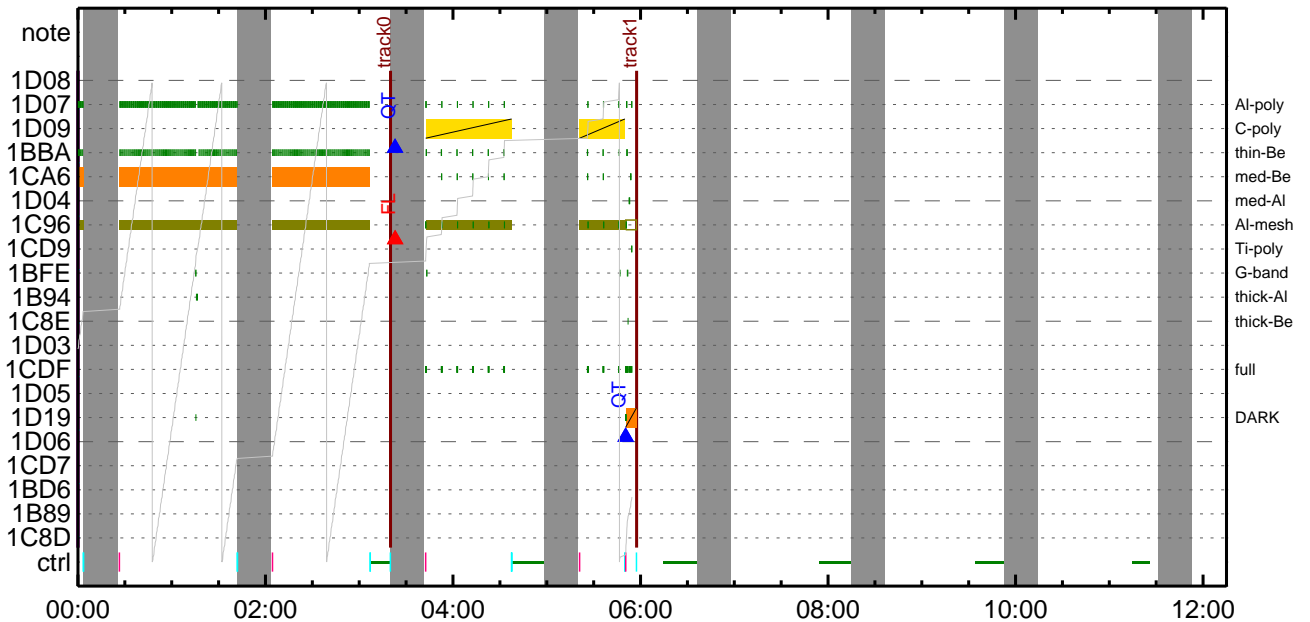
### CMDI #0028 2024/08/17



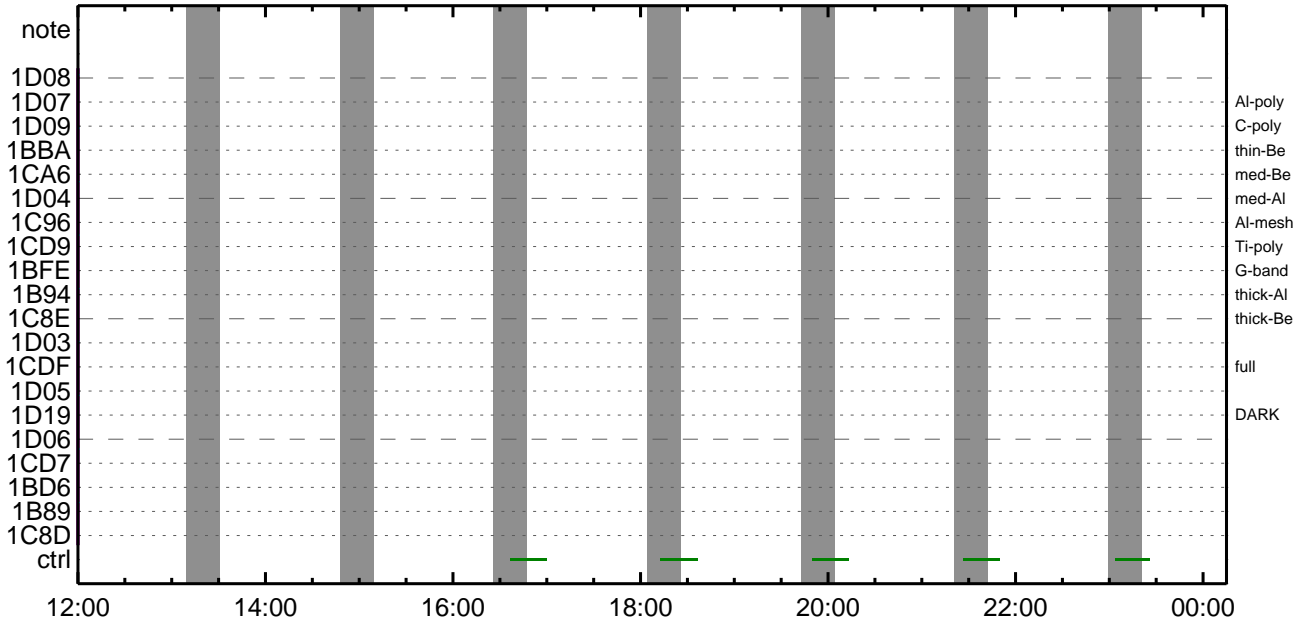
### CMDI #0028 2024/08/17



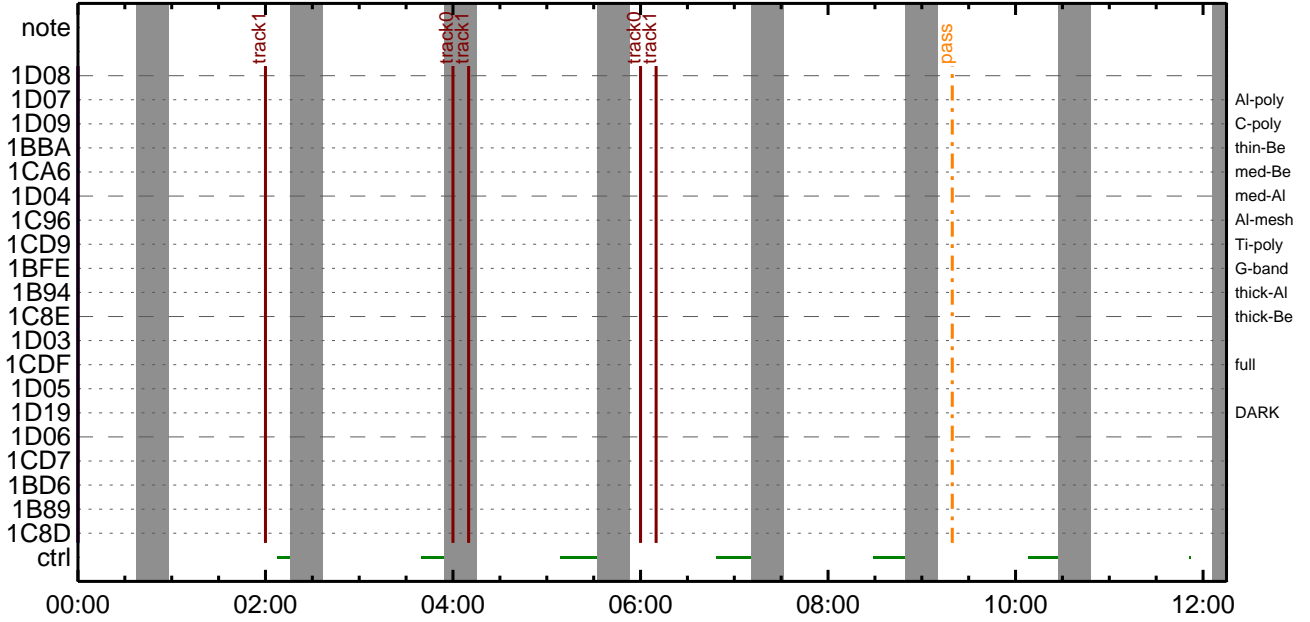
### CMDI #0028 2024/08/18



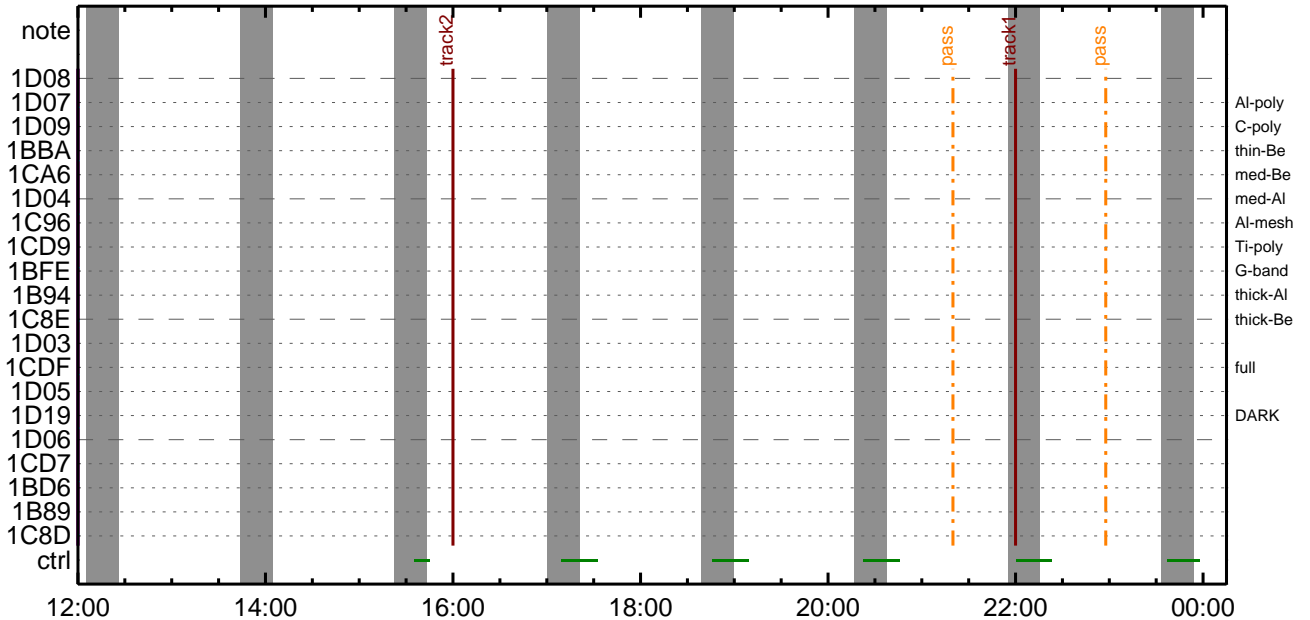
CMDI #0028 2024/08/18



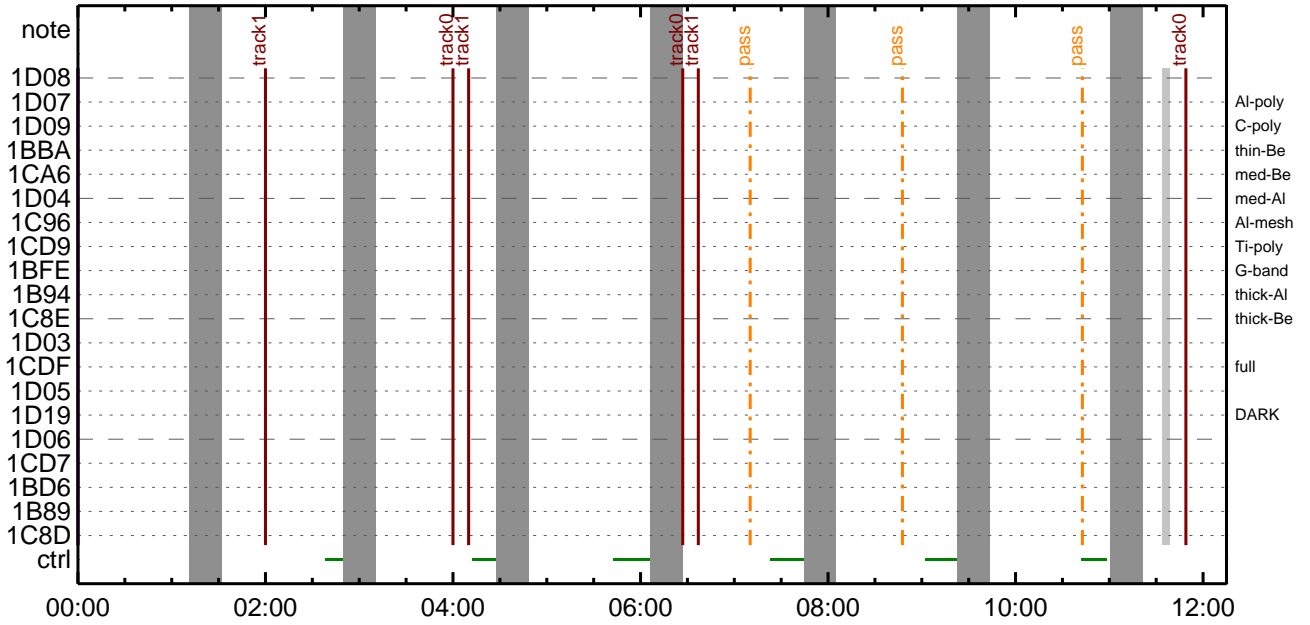
CMDI #0028 2024/08/19



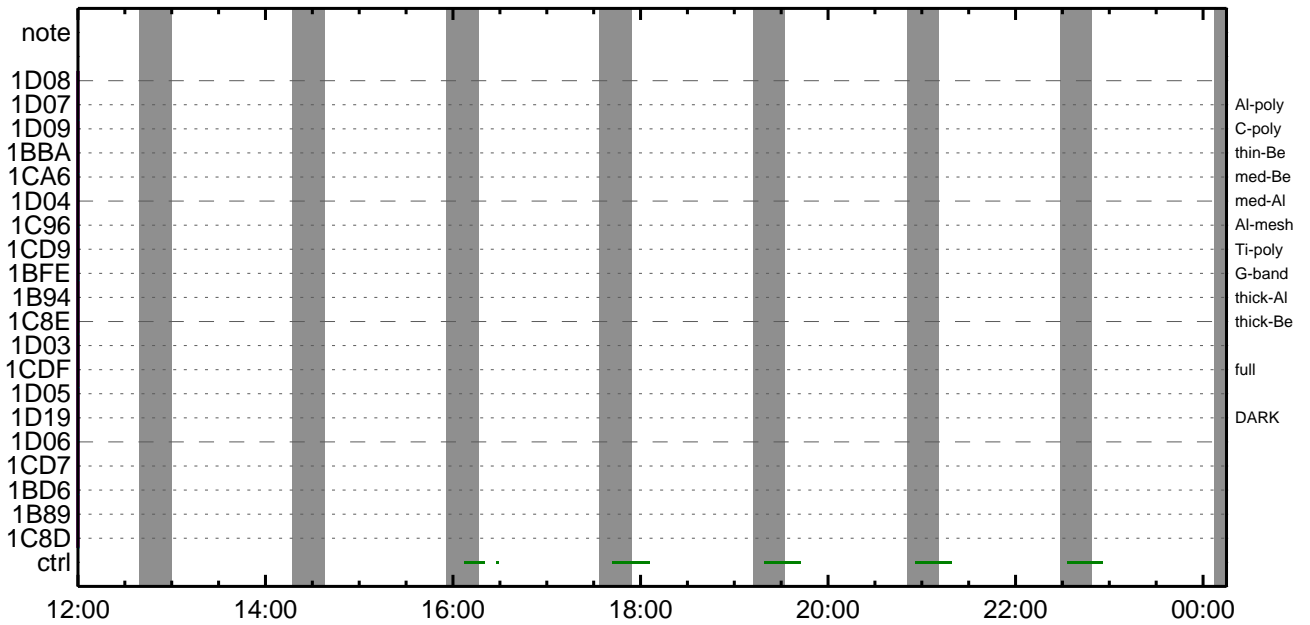
CMDI #0028 2024/08/19



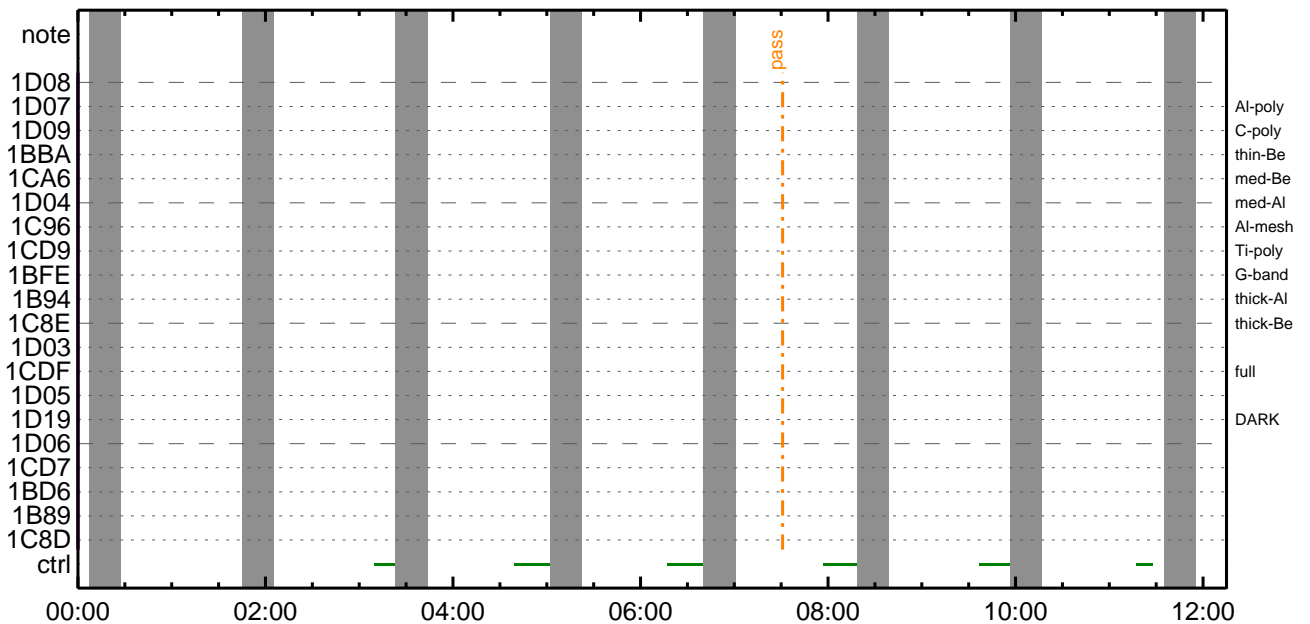
CMDI #0028 2024/08/20



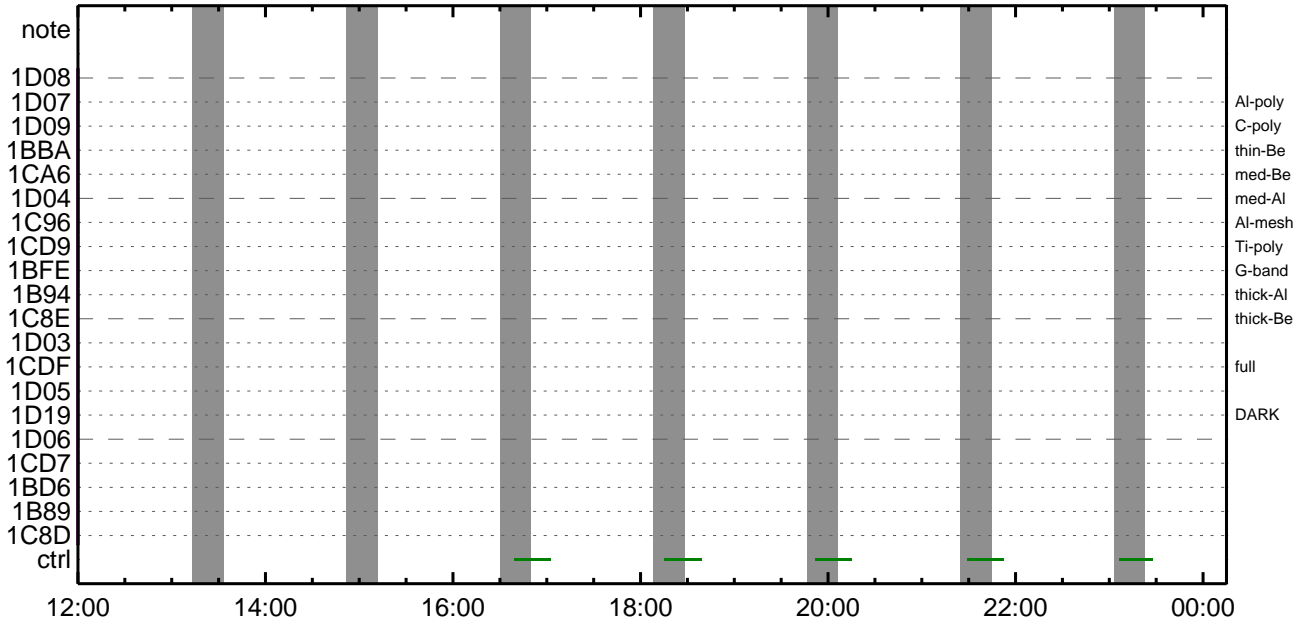
CMDI #0028 2024/08/20



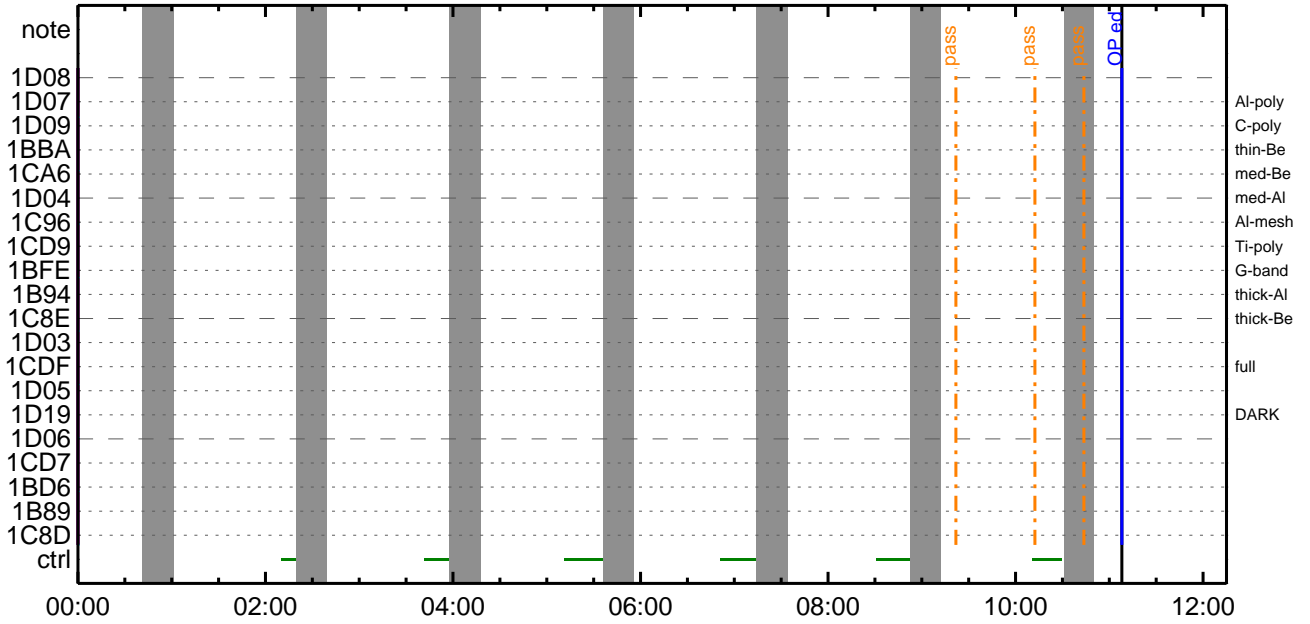
CMDI #0028 2024/08/21



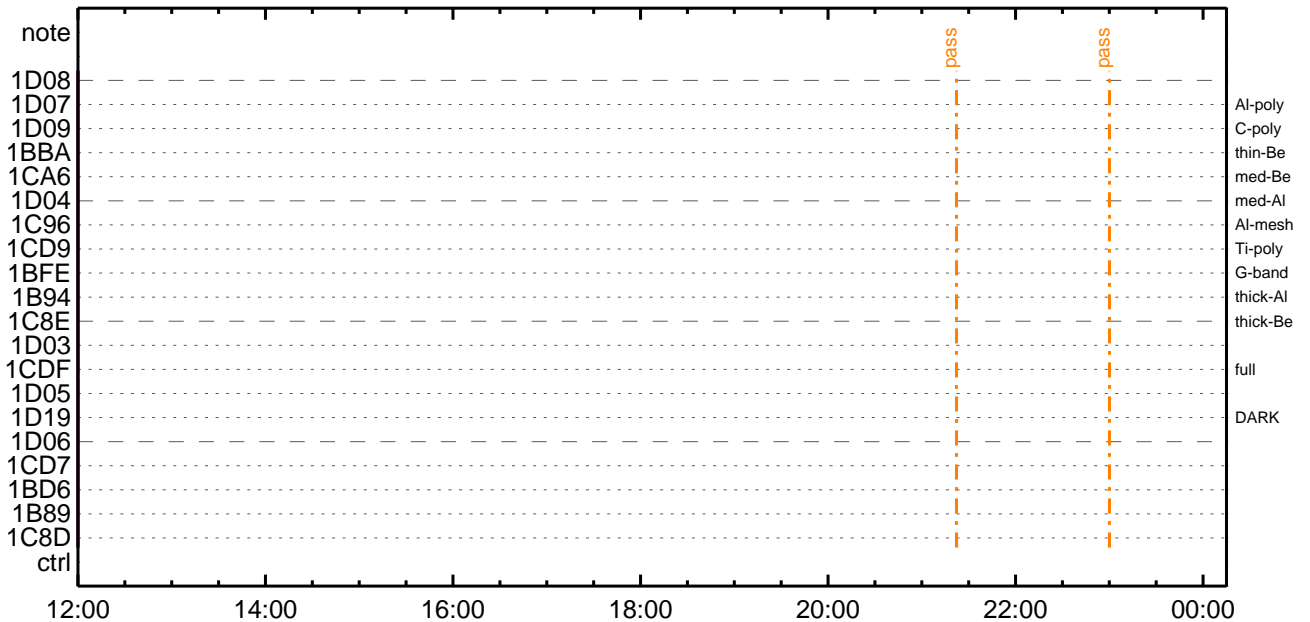
CMDI #0028 2024/08/21



CMDI #0028 2024/08/22



CMDI #0028 2024/08/22









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0194 C.
0195 +. TI 2024-08-17 11:04:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼¼ñîÄê¾íîñ¼îîŸÄŸ$ŸÄŸ~¹àîÛ
0200 C.          ¢¢[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      4
0202 C.          ¢¢[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          ¢¢[HK1_NEXT_EXEC_DC]        EQ      0xB3
0204 C.
0205 . C. *****
0206 C. TIîî°èŸÄŸÖŸ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          ¢¢[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          ¢¢[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          ¢¢[HK1_DMP_BLOCK_NUM]      EQ      3
0215 C.          ¢¢[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          ¢¢[HK1_DMA_DMP_PIM]        EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          ¢¢[HK1_PKT_FORM_NO]        EQ      7
0220 C.          ¢¢[HK1_PKT_GEN_TIME]        EQ      0.25 s
0221 C.          ¢¢[HK1_S_TLM_BIT_RATE]     EQ      32k
0222 C.          ¢¢[HK1_X_TLM_BIT_RATE]     EQ      4M
0223 C.          ¢¢[HK1_DMP_CHK_FLG]        EQ      EXEC
0224 C.
0225 . C. ŸÄŸÖŸ×½ªî»¼³îÇS
0226 C.          ¢¢[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 . C. RAM ID=TI_TBL¼î¾È¹Ç•è²ìOK¼¼³îÇS
0229 C.
0230 . C. DHUŸâ;¼ŸÉ;È¼Ÿ½.Ÿi;¼ŸÈ;È¼òîá¼¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          ¢¢[HK1_PKT_FORM_NO]        EQ      2
0234 C.          ¢¢[HK1_PKT_GEN_TIME]        EQ      0.5S
0235 C.          ¢¢[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          ¢¢[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2024-08-17 11:04:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 . C. -----
0246 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 . C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2024-08-17 11:04:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2024-08-17 11:04:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 . C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2024-08-17 11:04:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 . C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 . C. ***** MDP ´ûÃîñî»ö¾Ÿ¼ÈÄñ¼¼èDCBC•x²è *****
0276 C. (¾å°îŸÖŸÄŸÈŸŸÈŸÄŸÇŸÈ¼¾¼¼Ä»Û¼¼è)
0277 . S. DC-BC dcbc-402:DCBC
0278 (MDP_known_event)
0279 C.
0280 C.
0281 . C. ***** ŸŸŸ¹•î Daily±çîñ¼È´Ø¼¼¼èDCBC•x²è *****
0282 . S. DC-BC dcbc-153:DCBC
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 . C. ;ãLOSŸÄŸ$ŸÄŸ~¼Ä»Û;ã
0287 C.
0288 . C. ***** LOS *****
0289 C.

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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. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_CHG_ENA
0131 BC (20)
0132 . C. Verify EIS_MODE_CHG_FLG is ENA
0133 +. DC 07-FC EIS_MODE_MANU
0134 BC (21 02)
0135 . C. Verify EIS in MANUAL mode
0136 . C. Estimated OBSTBL upload time is 48s
0137 C. *****
0138 C. EIS START OBSTBL LOAD
0139 C. *****
0140 . S. RAM ram-820:EIS_OBSTBL
0141 ()
0142 +. DC 07-FC EIS_DUMP_OBSTBL
0143 BC (07 07 07 00 00 70 00)
0144 C.
0145 C. Execute, after the success of OBSTBL upload.
0146 C. Set EIS TI-commands
0147 +. TI 2024-08-17 11:04:50.0
0148 DC 07-FC EIS_MODE_CHG_ENA
0149 BC (20)
0150 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0151 C. *****
0152 C. EIS END OBSTBL LOAD
0153 C. *****
0154 C.
0155 . C. ***** MDP 'uAÎI»ö¼YnEÄDn¹nëDCBC•x²è *****
0156 C. (%ã°I¥ÓYÄYÉYÐYËYáYçYëE¼¼n¼Ä»Ün¹në)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥Ð¥¹•Ï Daily±çÍÑE'Øn¹nëDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Ä¥~¼Ä»Ü;ä
0167 C.
0168 . C. ***** LOS *****
0169 C.

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(a) Spacecraft Operation Procedure (real-commands)

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main-753 2024-08-17 12:25:22 134 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Ü;ä
0005 C.
0006 C. YÁY$;¼Y³YD¥óYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ë¼¿¼Á¼•µ°Æ»Í×ÁÇ¼ÍYçYÁY×Yí;¼YÉ;ËË½µ•íË;Ë¼Ë¼°ÇÖ¼•¼¿¼í¹Ç¼Í;ÇÁ®,¼¼¹¼Ë¼D¼ÇÁ÷¿®¼¼•¼Ë¼¼¼³¼Ë;Ë
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-287: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 2024-08-17 11:04:18.0
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 05 85 83 06 06)
0076 +. DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 06 85 83 06 06)
0078 +. DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 07 85 83 08 08)
0080 +. DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 08 80 80 20 20)
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 09 80 80 20 08)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0a 80 80 08 20)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0b 80 80 08 08)
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 0f 80 80 06 06)
0090 +. DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 10 80 80 08 08)
0092 +. DC 07-F0 MDP_XRT_FLD_ENA
0093 BC (d8)
0094 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0095 BC (c8)
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0096 + DC 07-F0 MDP\_XRT\_ARS\_DIS  
0097 BC (d5)  
0098 + DC 07-F0 MDP\_XRT\_AEC\_RESET  
0099 BC (d0)  
0100 + DC 07-F0 MDP\_XRT\_FLD\_RESET  
0101 BC (da)  
0102 +. DC 07-F0 MDP\_XRT\_QT\_PROG\_SET  
0103 BC (c4 02)  
0104 +. DC 07-F0 MDP\_XRT\_FL\_PROG\_SET  
0105 BC (c5 0e)  
0106 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0107 C.  
0108 C.  
0109 . C. All OK? Yes--> Please Proceed. / No --> Stop here.  
0110 C.  
0111 +. DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0112 BC (c2)  
0113 +. TI 2024-08-17 11:04:02.0  
0114 DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0115 BC (c2)  
0116 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0117 C.  
0118 C. \*\*\*\*\* XRT END \*\*\*\*\*  
0119 C.  
0120 . C. \*\*\*\*\* MDP 'ûÃîñĪ»ö¼ÝñĒĀÐñ¹ñēDCBC•x²è \*\*\*\*\*  
0121 C. (¼Å°î¥Ó¥Ā¥Ē¥Ð¥Ĥ¥Ā¥ç¥ēñĒĒ¼ñ¼Ā»Ūñ¹ñē)  
0122 . S. DC-BC dcbc-402:DCBC  
0123 (MDP\_known\_event)  
0124 C.  
0125 C.  
0126 . C. \*\*\*\*\* ¥Ð¥¹•Ī Daily±¿ĪññĒĒ`Øñ¹ñēDCBC•x²è \*\*\*\*\*  
0127 . S. DC-BC dcbc-153:DCBC  
0128 (SPECIAL-CMD\_DAILY\_OPERATIN\_DCB)  
0129 C.  
0130 C.  
0131 . C. ;ãLOS¥Ā¥\$¥Ā¥~¼Ā»Ū;ä  
0132 C.  
0133 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0134 C.

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

|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2024/08/17 | 11:14:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 11:14:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 11:14:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2024/08/17 | 11:15:00.0 | AOCS_Ore-point_Start_1_OG [0x097] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/17 | 11:15:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2024/08/17 | 11:15:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2024/08/17 | 11:15:22.0 | XRT_AEC_RESET_448_OG [0x1c0]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2024/08/17 | 11:15:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2024/08/17 | 11:15:26.0 | XRT_FLD_RESET_434_OG [0x1b2]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 11:17:56.0 | XRT_QT_PROG_SET_418_OG [0x1a2]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 10          |  |  |  |  |
| 2024/08/17 | 11:17:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2024/08/17 | 11:19:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/08/17 | 11:20:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/17 | 12:35:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 12:35:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 12:35:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 12:35:36.0 | XRT_PREFLR_STRT_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/17 | 12:38:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/17 | 12:57:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/08/17 | 12:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/17 | 14:14:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 14:14:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 14:14:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 14:14:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/17 | 14:17:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/17 | 14:36:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/08/17 | 14:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/17 | 15:52:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 15:52:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 15:52:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 15:52:36.0 | XRT_PREFLR_STRT_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/17 | 15:55:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/17 | 16:17:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/08/17 | 16:18:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/17 | 16:26:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 16:26:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 16:26:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 16:26:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/17 | 16:27:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2024/08/17 | 16:28:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/17 | 16:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/17 | 17:30:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 17:30:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 17:30:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/17 | 17:30:36.0 | XRT_PREFLR_STRT_417_OG [0x1a1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/17 | 17:33:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/17 | 18:03:24.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/17 | 18:03:26.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |

|            |            |   |   |       |                |
|------------|------------|---|---|-------|----------------|
| 2024/08/17 | 18:03:28.0 | XRT_FOCUS_POSITION_406_OG [0x196]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2024/08/17 | 18:03:30.0 | AOCS_Ore-point_Start_2_OG [0x098]<br>AOCU_NM            | 5 | 02-76 | 00 00 00 00 00 |
| 2024/08/17 | 18:03:48.0 | XRT_FLD_DIS_409_OG [0x199]<br>MDP_XRT_FLD_DIS           | 1 | 07-F0 | d9             |
| 2024/08/17 | 18:03:50.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]<br>MDP_XRT_FLRCTRL_DIS   | 1 | 07-F0 | c9             |
| 2024/08/17 | 18:03:52.0 | XRT_ARS_DIS_435_OG [0x1b3]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2024/08/17 | 18:06:28.0 | XRT_QT_PROG_SET_407_OG [0x197]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 14          |
| 2024/08/17 | 18:06:30.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/17 | 18:13:24.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 18:13:26.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 18:13:28.0 | XRT_FOCUS_POSITION_410_OG [0x19a]<br>XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00    |
| 2024/08/17 | 18:13:30.0 | AOCS_Ore-point_Start_1_OG [0x097]<br>AOCU_NM            | 5 | 02-76 | 01 04 31 01 db |
| 2024/08/17 | 18:13:48.0 | XRT_FLD_ENA_411_OG [0x19b]<br>MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2024/08/17 | 18:13:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]<br>MDP_XRT_FLRCTRL_ENA   | 1 | 07-F0 | c8             |
| 2024/08/17 | 18:13:52.0 | XRT_AEC_RESET_448_OG [0x1c0]<br>MDP_XRT_AEC_RESET       | 1 | 07-F0 | d0             |
| 2024/08/17 | 18:13:54.0 | XRT_ARS_DIS_423_OG [0x1a7]<br>MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2024/08/17 | 18:13:56.0 | XRT_FLD_RESET_434_OG [0x1b2]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/08/17 | 18:16:26.0 | XRT_QT_PROG_SET_418_OG [0x1a2]<br>MDP_XRT_QT_PROG_SET   | 2 | 07-F0 | c4 10          |
| 2024/08/17 | 18:16:28.0 | XRT_FL_PROG_SET_439_OG [0x1b7]<br>MDP_XRT_FL_PROG_SET   | 2 | 07-F0 | c5 0e          |
| 2024/08/17 | 18:16:30.0 | XRT_CTRL_AUTO_408_OG [0x198]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/17 | 19:09:00.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 19:09:02.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 19:09:04.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/08/17 | 19:09:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/08/17 | 19:12:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/08/17 | 19:40:00.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/08/17 | 19:41:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/17 | 20:47:00.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 20:47:02.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 20:47:04.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/08/17 | 20:47:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/08/17 | 20:50:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/08/17 | 21:17:00.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/08/17 | 21:18:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/17 | 22:25:30.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 22:25:32.0 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/17 | 22:25:34.0 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/08/17 | 22:25:36.0 | XRT_PREFLR_STRT_417_OG [0x1a1]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/08/17 | 22:28:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/08/17 | 22:53:30.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/08/17 | 22:54:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/18 | 00:03:30.5 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/18 | 00:03:32.5 | XRT_CTRL_MANU_402_OG [0x192]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/18 | 00:03:34.5 | XRT_FLD_RESET_415_OG [0x19f]<br>MDP_XRT_FLD_RESET       | 1 | 07-F0 | da             |
| 2024/08/18 | 00:03:36.5 | XRT_PREFLR_STRT_417_OG [0x1a1]<br>MDP_XRT_PREFLR_STRT   | 1 | 07-F0 | e8             |
| 2024/08/18 | 00:06:44.5 | XRT_PREFLR_STOP_419_OG [0x1a3]<br>MDP_XRT_PREFLR_STOP   | 1 | 07-F0 | e9             |
| 2024/08/18 | 00:25:30.0 | XRT_Custom_430_OG [0x1ae]                               |   |       |                |
| 2024/08/18 | 00:26:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]<br>MDP_XRT_CTRL_AUTO       | 1 | 07-F0 | c0             |
| 2024/08/18 | 01:42:00.0 | XRT_CTRL_MANU_400_OG [0x190]<br>MDP_XRT_CTRL_MANU       | 1 | 07-F0 | c1             |
| 2024/08/18 | 01:42:02.0 | XRT_CTRL_MANU_402_OG [0x192]                            |   |       |                |



|            |            |   |                      |   |       |                |  |  |  |  |
|------------|------------|---|----------------------|---|-------|----------------|--|--|--|--|
| 2024/08/18 | 01:42:04.0 | XRT_FLD_RESET_415_OG [0x19f]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
|            |            |   | MDP_XRT_FLD_RESET    | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/18 | 01:42:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]          | MDP_XRT_PREFLR_STRT  | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/18 | 01:45:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]          | MDP_XRT_PREFLR_STOP  | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/18 | 02:03:30.0 | XRT_Custom_430_OG [0x1ae]               |                      |   |       |                |  |  |  |  |
| 2024/08/18 | 02:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]            | MDP_XRT_CTRL_AUTO    | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/18 | 03:07:00.0 | XRT_CTRL_MANU_400_OG [0x190]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 03:07:02.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 03:07:04.0 | XRT_FLD_RESET_415_OG [0x19f]            | MDP_XRT_FLD_RESET    | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/18 | 03:07:06.0 | XRT_PREFLR_STRT_417_OG [0x1a1]          | MDP_XRT_PREFLR_STRT  | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/18 | 03:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]          | MDP_XRT_PREFLR_STOP  | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/18 | 03:19:54.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 03:19:56.0 | XRT_FOCUS_POSITION_406_OG [0x196]       | XRT_FOCUS_POSITION   | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2024/08/18 | 03:20:00.0 | AOCS_Ore-point_Start_2_OG [0x098]       | AOCU_NM              | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2024/08/18 | 03:20:16.0 | XRT_FLD_ENA_411_OG [0x19b]              | MDP_XRT_FLD_ENA      | 1 | 07-F0 | d8             |  |  |  |  |
| 2024/08/18 | 03:20:18.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]          | MDP_XRT_FLRCTRL_ENA  | 1 | 07-F0 | c8             |  |  |  |  |
| 2024/08/18 | 03:20:20.0 | XRT_AEC_RESET_448_OG [0x1c0]            | MDP_XRT_AEC_RESET    | 1 | 07-F0 | d0             |  |  |  |  |
| 2024/08/18 | 03:20:22.0 | XRT_ARS_DIS_423_OG [0x1a7]              | MDP_XRT_ARS_DIS      | 1 | 07-F0 | d5             |  |  |  |  |
| 2024/08/18 | 03:20:24.0 | XRT_FLD_RESET_438_OG [0x1b6]            | MDP_XRT_FLD_RESET    | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/18 | 03:22:56.0 | XRT_QT_PROG_SET_444_OG [0x1bc]          | MDP_XRT_QT_PROG_SET  | 2 | 07-F0 | c4 12          |  |  |  |  |
| 2024/08/18 | 03:22:58.0 | XRT_FL_PROG_SET_439_OG [0x1b7]          | MDP_XRT_FL_PROG_SET  | 2 | 07-F0 | c5 0e          |  |  |  |  |
| 2024/08/18 | 03:41:30.0 | XRT_Custom_430_OG [0x1ae]               |                      |   |       |                |  |  |  |  |
| 2024/08/18 | 03:42:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]            | MDP_XRT_CTRL_AUTO    | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/18 | 04:37:30.0 | XRT_CTRL_MANU_400_OG [0x190]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 04:37:32.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 04:37:34.0 | XRT_FLD_RESET_415_OG [0x19f]            | MDP_XRT_FLD_RESET    | 1 | 07-F0 | da             |  |  |  |  |
| 2024/08/18 | 04:37:36.0 | XRT_PREFLR_STRT_417_OG [0x1a1]          | MDP_XRT_PREFLR_STRT  | 1 | 07-F0 | e8             |  |  |  |  |
| 2024/08/18 | 04:40:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]          | MDP_XRT_PREFLR_STOP  | 1 | 07-F0 | e9             |  |  |  |  |
| 2024/08/18 | 05:20:00.0 | XRT_Custom_430_OG [0x1ae]               |                      |   |       |                |  |  |  |  |
| 2024/08/18 | 05:21:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]            | MDP_XRT_CTRL_AUTO    | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/18 | 05:50:00.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 05:50:02.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 05:50:04.0 | XRT_FOCUS_POSITION_406_OG [0x196]       | XRT_FOCUS_POSITION   | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2024/08/18 | 05:50:24.0 | XRT_FLD_DIS_409_OG [0x199]              | MDP_XRT_FLD_DIS      | 1 | 07-F0 | d9             |  |  |  |  |
| 2024/08/18 | 05:50:26.0 | XRT_FLRCTRL_DIS_413_OG [0x19d]          | MDP_XRT_FLRCTRL_DIS  | 1 | 07-F0 | c9             |  |  |  |  |
| 2024/08/18 | 05:50:28.0 | XRT_ARS_DIS_423_OG [0x1a7]              | MDP_XRT_ARS_DIS      | 1 | 07-F0 | d5             |  |  |  |  |
| 2024/08/18 | 05:50:30.0 | XRT_QT_PROG_SET_401_OG [0x191]          | MDP_XRT_QT_PROG_SET  | 2 | 07-F0 | c4 06          |  |  |  |  |
| 2024/08/18 | 05:50:32.0 | XRT_CTRL_AUTO_408_OG [0x198]            | MDP_XRT_CTRL_AUTO    | 1 | 07-F0 | c0             |  |  |  |  |
| 2024/08/18 | 05:57:24.0 | XRT_CTRL_MANU_402_OG [0x192]            | MDP_XRT_CTRL_MANU    | 1 | 07-F0 | c1             |  |  |  |  |
| 2024/08/18 | 05:57:30.0 | AOCS_Ore-point_Start_1_OG [0x097]       | AOCU_NM              | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/18 | 06:00:00.0 | XRT_TCIB_XRT_S_HTR_A_ENA_425_OG [0x1a9] | TCIB_XRT_S_HTR_A_ENA | 0 | 04-BC |                |  |  |  |  |
| 2024/08/19 | 02:00:00.0 | AOCS_Ore-point_Start_1_OG [0x097]       | AOCU_NM              | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/19 | 04:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098]       | AOCU_NM              | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2024/08/19 | 04:10:00.0 | AOCS_Ore-point_Start_1_OG [0x097]       | AOCU_NM              | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/19 | 06:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098]       | AOCU_NM              | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2024/08/19 | 06:10:00.0 | AOCS_Ore-point_Start_1_OG [0x097]       | AOCU_NM              | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/19 | 16:00:00.0 | AOCS_Ore-point_Start_3_OG [0x099]       | AOCU_NM              | 5 | 02-76 | 02 04 31 01 db |  |  |  |  |
| 2024/08/19 | 22:00:00.0 | AOCS_Ore-point_Start_1_OG [0x097]       | AOCU_NM              | 5 | 02-76 | 01 04 31 01 db |  |  |  |  |
| 2024/08/20 | 02:00:00.0 | AOCS_Ore-point_Start_1_OG [0x097]       |                      |   |       |                |  |  |  |  |

|            |            |                                   |         |                        |
|------------|------------|-----------------------------------|---------|------------------------|
| 2024/08/20 | 04:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 02-76 01 04 31 01 db |
| 2024/08/20 | 04:10:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 02-76 00 00 00 00 00 |
| 2024/08/20 | 06:27:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 02-76 01 04 31 01 db |
| 2024/08/20 | 06:37:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM | 5 02-76 00 00 00 00 00 |
| 2024/08/20 | 11:49:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM | 5 02-76 01 04 31 01 db |
|            |            |                                   | AOCU_NM | 5 02-76 00 00 00 00 00 |