

# XRT Timeline to be uploaded on 2014/07/29

Period: 2014/07/29 10:36:00 - 2014/08/02 10:19:00

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## Normal mode

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

| Term                            | Pointing (x, y)                          | Comment                     |
|---------------------------------|--|-----------------------------|
| 07/29 10:49:00 - 07/29 17:39:54 | Track ( 199.9, -23.3) @ 07/29 10:46:00   | # OP start + 10min AR 12121 |
| 07/29 18:48:00 - 07/30 05:59:54 | Track ( 270.8, -21.9) @ 07/29 18:45:00   | # AR obs cont.              |
| 07/30 06:13:00 - 07/30 10:18:30 | Track ( -473.3, -344.3) @ 07/30 06:10:00 | # AR 12125 obs              |
| 07/30 20:55:00 - 07/31 04:13:30 | Track ( -360.2, -350.8) @ 07/30 20:50:00 | * AR 12125 obs              |
| 07/31 08:08:30 - 07/31 09:14:00 | Track ( -269.2, -354.7) @ 07/31 08:00:00 | # AR obs cont.              |

**PROG= 20 1-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 8 2-time(s) 2.0sec
    - Open/G-band Open/G-band close Safe Norm 44ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
- Subr= 2 2-time(s) 2.0sec
  - Seqn= 24 1-time(s) 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
    - Open/G-band Open/G-band open Safe Norm 32ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
  - Seqn= 42 4-time(s) 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 5.66s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec
    - Open/thick-Al Open/thick-Al close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
  - Seqn= 62 15-time(s) 120.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
    - thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec
    - Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|

### XOB #19DA: Synoptic Q95 2x2 - Al/mesh(5/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(24/362/1443) + Thin

| Term                            | Pointing (x, y)   | Comment  |
|---------------------------------|-------------------|--|
| 07/29 17:43:00 - 07/29 17:50:24 | Fixed ( 0.0, 0.0) | synoptic, shifted manually                                     |
| 07/30 06:03:00 - 07/30 06:09:54 | Fixed ( 0.0, 0.0) | synoptic   |
| 07/30 18:18:00 - 07/30 18:26:54 | Fixed ( 0.0, 0.0) | synoptic, shifted manually                                     |
| 07/31 05:29:30 - 07/31 05:36:54 | Fixed ( 0.0, 0.0) | SOT flat fields with synoptic starts from 05:26:30 to 05:36:30 |

**PROG= 15 1-time(s)**

- Subr= 1 1-time(s) 12.0sec
  - Seqn= 84 1-time(s) 4.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 5 1-time(s) 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
  - Seqn= 86 1-time(s) 4.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 354ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Ti-poly Open/Ti-poly close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 95 1-time(s) 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - Seqn= 6 1-time(s) 2.0sec
    - Open/G-band Open/G-band open Safe Norm 8ms Obs 2x2 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
    - Open/G-band Open/G-band close Safe Norm 32ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|
|----------------|----------------|-----|------|-------|------|-----|-----|--------------------|-------|------------|----------|

### XOB #1A2A: Stray light study5-1 ;Med-Be 2x2 full FOV(1min-cad) and 2x2 256 on AR(10sec-cad)

| Term                            | Pointing (x, y)   | Comment                    |
|---------------------------------|-------------------|----------------------------|
| 07/29 17:53:30 - 07/29 18:44:54 | Fixed ( 0.0, 0.0) | synoptic, shifted manually |

**PROG= 03 1-time(s)**

- Subr= 1 1-time(s) 2.0sec
  - Seqn= 92 1-time(s) 150.0sec
    - med-Be/Open med-Be/Open close Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
    - med-Be/Open med-Be/Open close Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
- Subr= 2 18-time(s) 2.0sec
  - Seqn= 91 1-time(s) 10.0sec
    - Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 2x2 512x512 (1296, 1000) Q=95 0 0 2.0sec
    - Open/G-band Open/G-band close Safe Norm 8ms Obs 2x2 512x512 (1296, 1000) Q=95 0 0 2.0sec
- Subr= 3 5-time(s) 2.0sec



|                |                |            |      |          |       |     |     |                      |       |            |          |        |  |  |  |
|----------------|----------------|------------|------|----------|-------|-----|-----|----------------------|-------|------------|----------|--------|--|--|--|
| Seqn= 55       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/thick-Al  | Open/thick-Al  | close      | Safe | Norm     | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Open/thick-Be  | Open/thick-Be  | close      | Safe | Norm     | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Seqn= 9        |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/Al-mesh   | Open/Al-mesh   | close      | Safe | Norm     | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Open/Ti-poly   | Open/Ti-poly   | close      | Safe | Norm     | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Subr= 2        |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 39       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band    | Open/G-band    | open       | Safe | Norm     | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |  |  |  |
| Open/G-band    | Open/G-band    | close      | Safe | Norm     | 32ms  | Obs | 1x1 | 384x384 (1024, 1024) | DPCM  | 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 |  |  |  |
| Subr= 3        |                | 30-time(s) |      | 60.0sec  |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 55       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/thick-Al  | Open/thick-Al  | close      | Safe | Norm     | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Open/thick-Be  | Open/thick-Be  | close      | Safe | Norm     | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Seqn= 70       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/Al-mesh   | Open/Al-mesh   | close      | Safe | Norm     | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Open/Ti-poly   | Open/Ti-poly   | close      | Safe | Norm     | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Subr= 2        |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 39       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band    | Open/G-band    | open       | Safe | Norm     | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |  |  |  |
| Open/G-band    | Open/G-band    | close      | Safe | Norm     | 32ms  | Obs | 1x1 | 384x384 (1024, 1024) | DPCM  | 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 |  |  |  |
| Subr= 3        |                | 30-time(s) |      | 60.0sec  |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 55       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/thick-Al  | Open/thick-Al  | close      | Safe | Norm     | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Open/thick-Be  | Open/thick-Be  | close      | Safe | Norm     | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Seqn= 70       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/Al-mesh   | Open/Al-mesh   | close      | Safe | Norm     | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Open/Ti-poly   | Open/Ti-poly   | close      | Safe | Norm     | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Subr= 2        |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 39       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band    | Open/G-band    | open       | Safe | Norm     | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |  |  |  |
| Open/G-band    | Open/G-band    | close      | Safe | Norm     | 32ms  | Obs | 1x1 | 384x384 (1024, 1024) | DPCM  | 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 |  |  |  |
| Subr= 3        |                | 30-time(s) |      | 60.0sec  |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 55       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/thick-Al  | Open/thick-Al  | close      | Safe | Norm     | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Open/thick-Be  | Open/thick-Be  | close      | Safe | Norm     | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |  |  |  |
| Seqn= 70       |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/Al-mesh   | Open/Al-mesh   | close      | Safe | Norm     | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Open/Ti-poly   | Open/Ti-poly   | close      | Safe | Norm     | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |  |  |  |
| Subr= 4        |                | 24-time(s) |      | 600.0sec |       |     |     |                      |       |            |          |        |  |  |  |
| Seqn= 1        |                | 1-time(s)  |      | 2.0sec   |       |     |     |                      |       |            |          |        |  |  |  |
| Open/Al-mesh   | Open/thick-Al  | close      | Safe | Norm     | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 1          | 0        | 2.0sec |  |  |  |
| Open/Ti-poly   | Open/thick-Be  | close      | Safe | Norm     | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 1          | 0        | 2.0sec |  |  |  |
| Open/G-band    | Open/G-band    | open       | Safe | Norm     | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |  |  |  |
| Open/Al-mesh   | Open/Al-mesh   | close      | Safe | Dark     | 1.00s | Obs | 1x1 | 384x384 (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

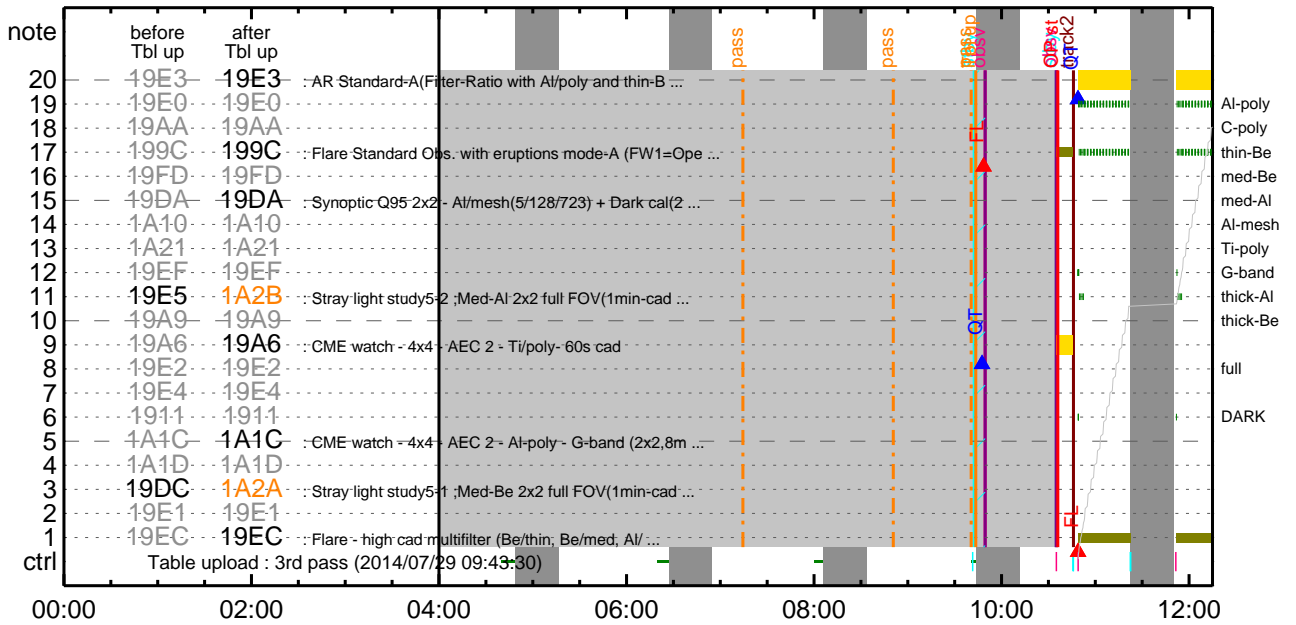
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### Flare Detection

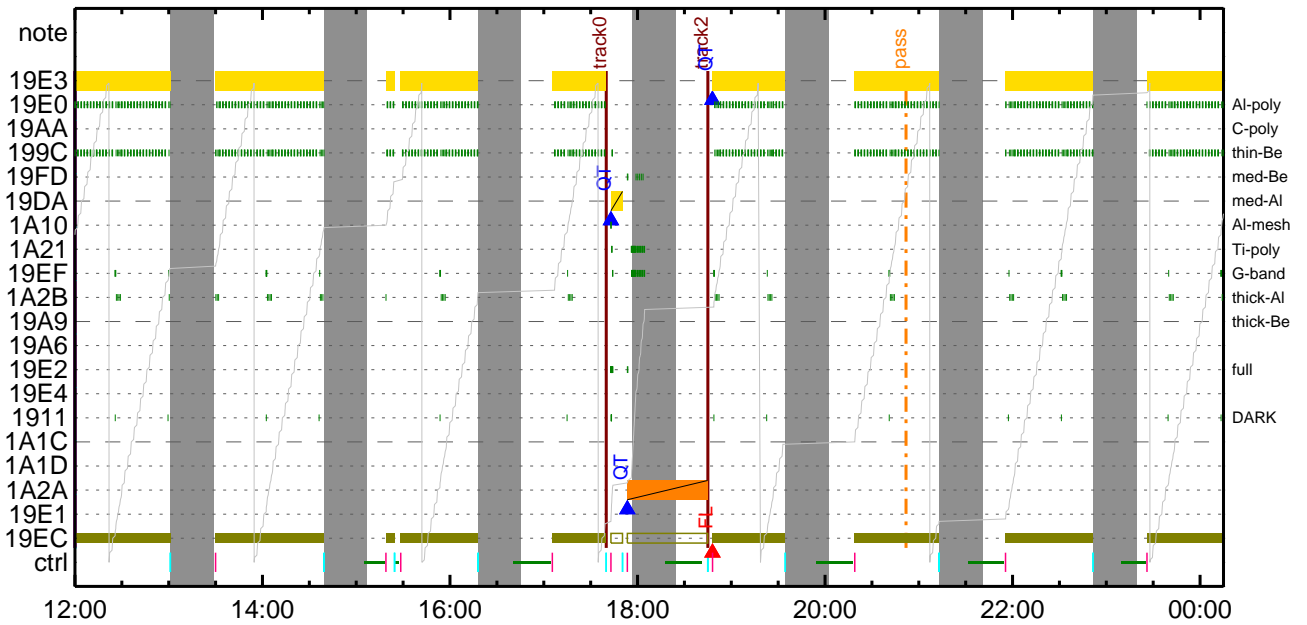
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| FLD Patrol                      |   |       |      |       |  |     |     |                    |       |            |          |
|---------------------------------|---|-------|------|-------|--|-----|-----|--------------------|-------|------------|----------|
| Term                            | Pointing (x, y)                                     |       |      |       | Comment  |     |     |                    |       |            |          |
| 07/29 18:45:18 - 07/30 06:00:18 | Track ( 270.8, -21.9) <sup>® 07/29 18:45:00</sup>   |       |      |       | # AR obs cont.   |     |     |                    |       |            |          |
| 07/30 19:20:18 - 07/31 05:26:48 | Track ( -320.3, -181.2) <sup>® 07/30 19:20:00</sup> |       |      |       | CH hole observation for EIS                                    |     |     |                    |       |            |          |
| 07/31 05:37:18 - 08/02 10:19:00 | Fixed ( 0.0, 0.0)                                   |       |      |       | SOT flat fields with synoptic starts from 05:26:30 to 05:36:30 |     |     |                    |       |            |          |
| Open/Ti-poly                    | Open/thick-Al                                       | close | Safe | Norm  | 8ms  | Obs | 8x8 |                    | Q=50  |            | 30sec    |
| Default Filter                  | Thicker Filter                                      | VLS   | mode | image | Exp.   | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |

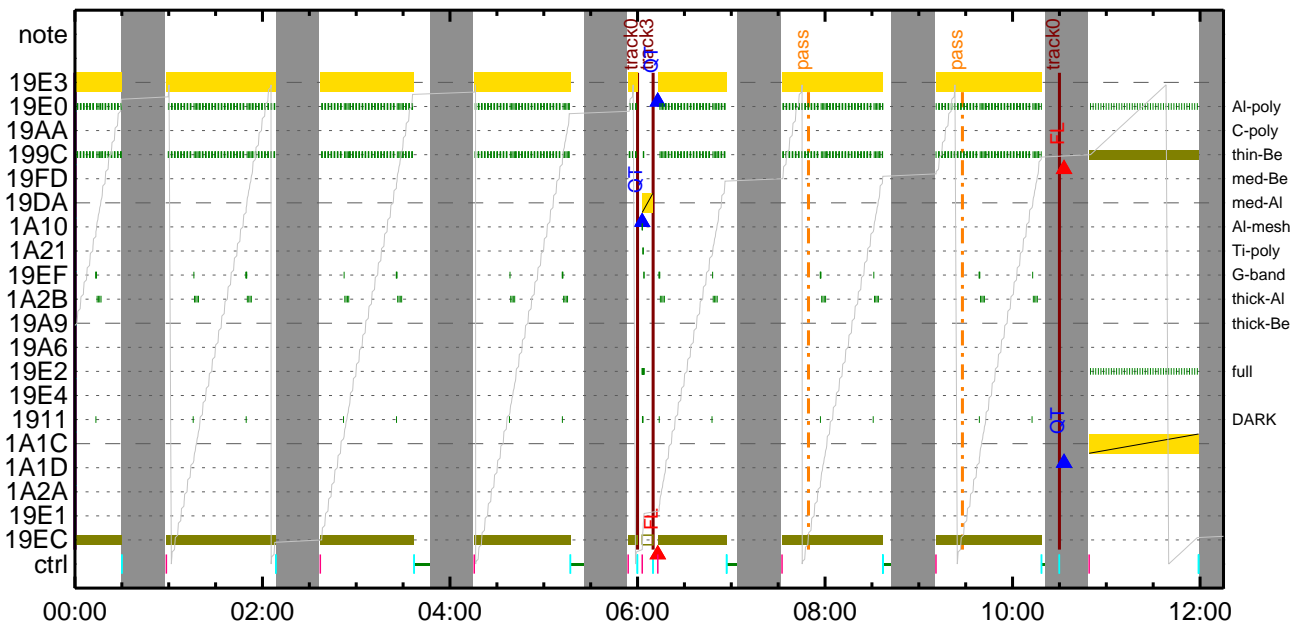
### CMDI #0439 2014/07/29



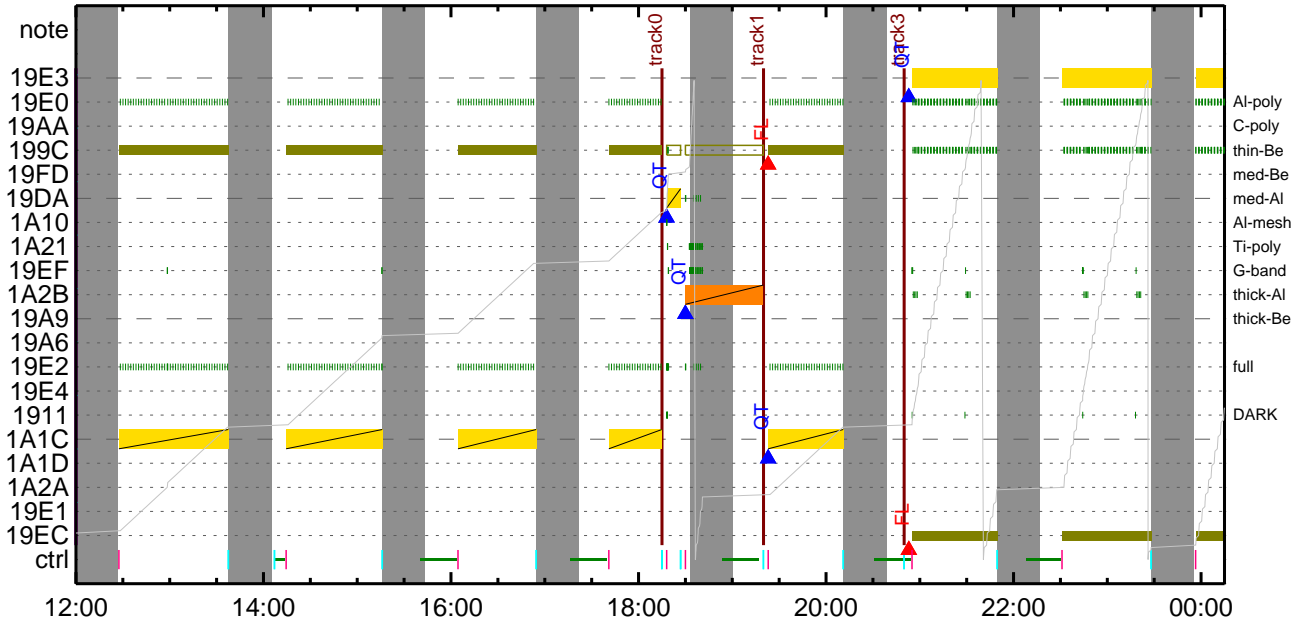
### CMDI #0439 2014/07/29



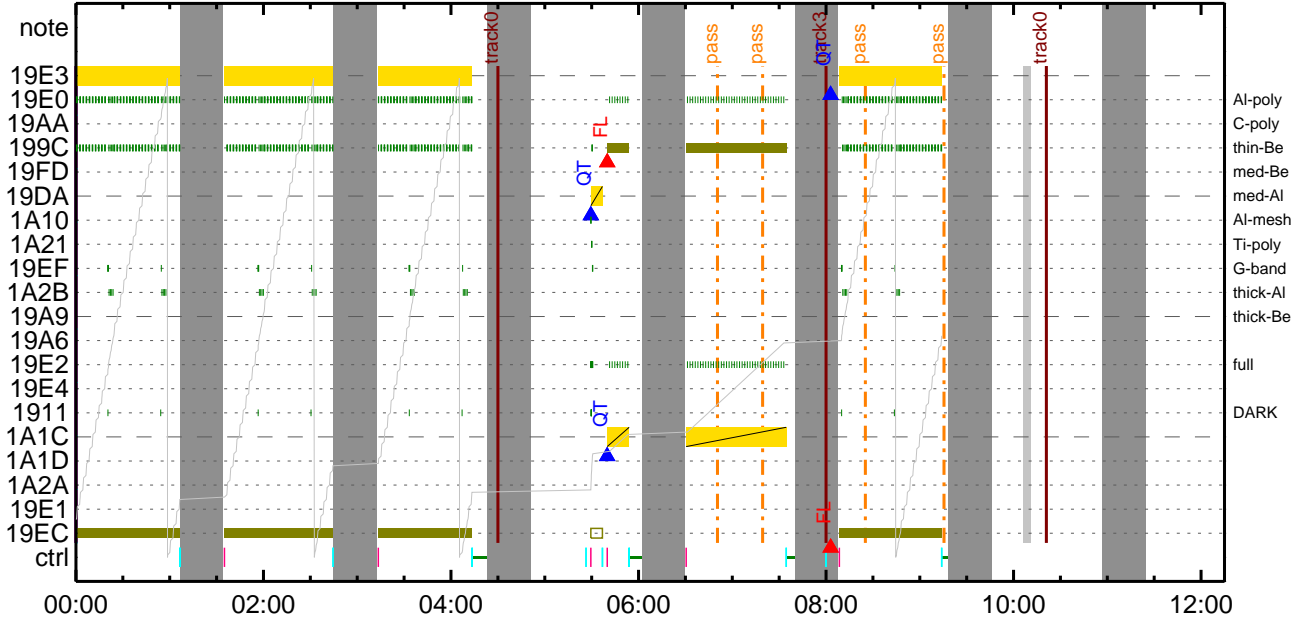
### CMDI #0439 2014/07/30



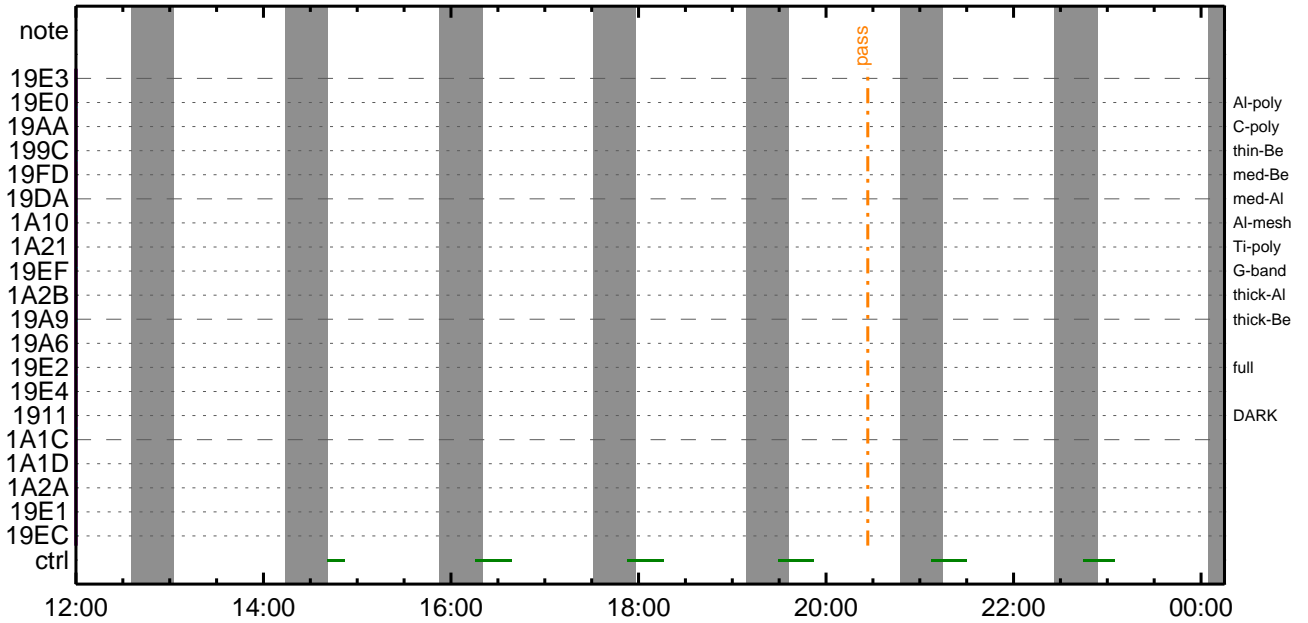
CMDI #0439 2014/07/30



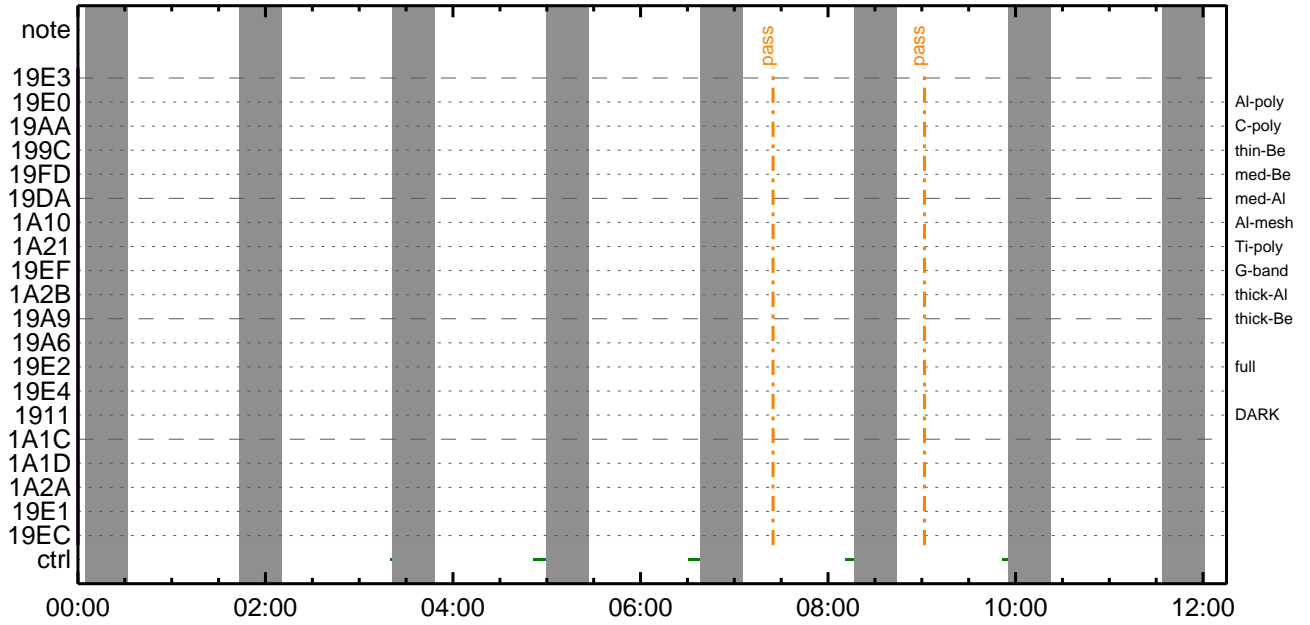
CMDI #0439 2014/07/31



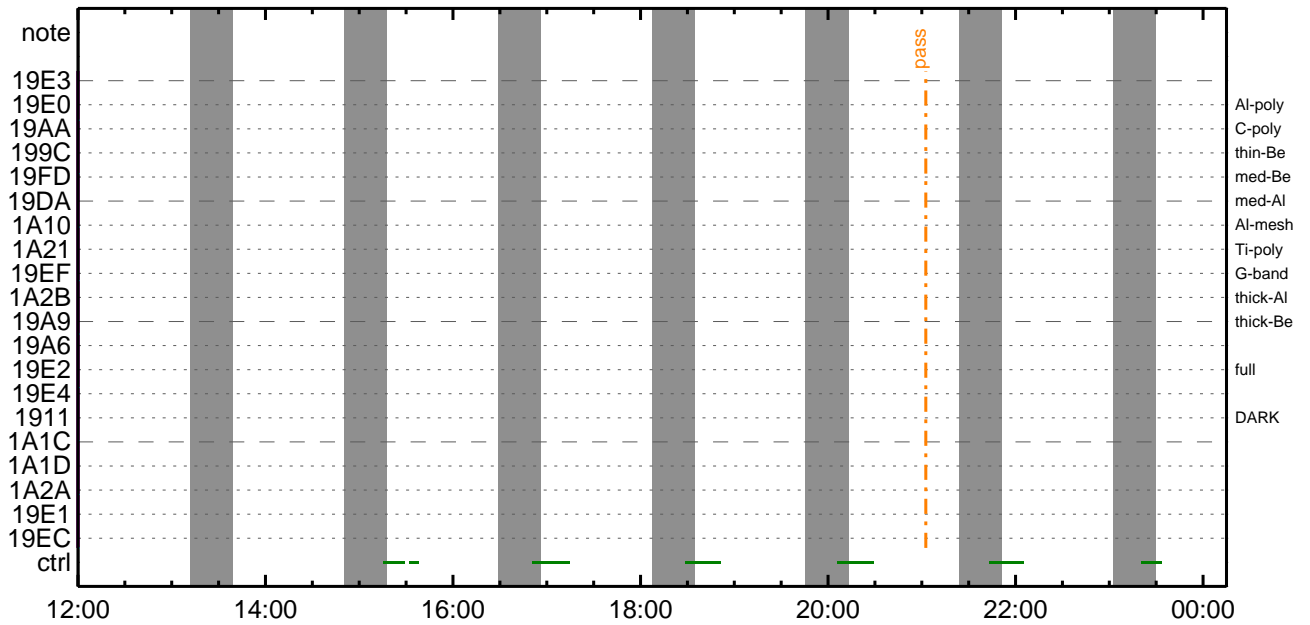
CMDI #0439 2014/07/31



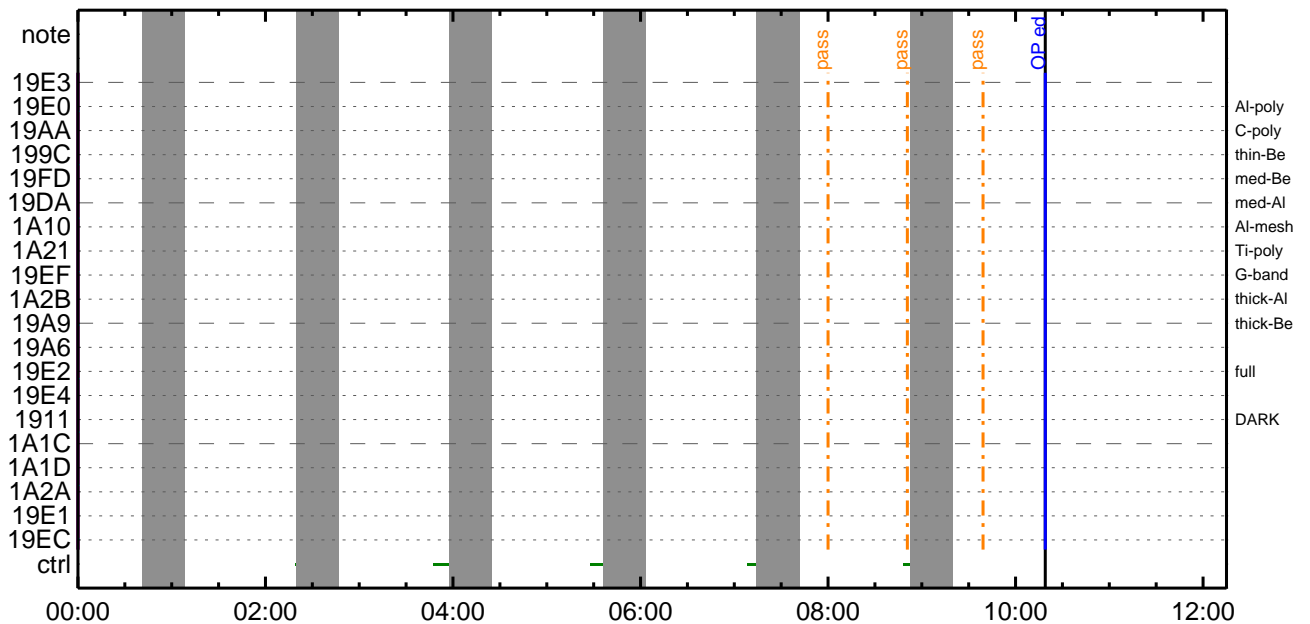
CMDI #0439 2014/08/01



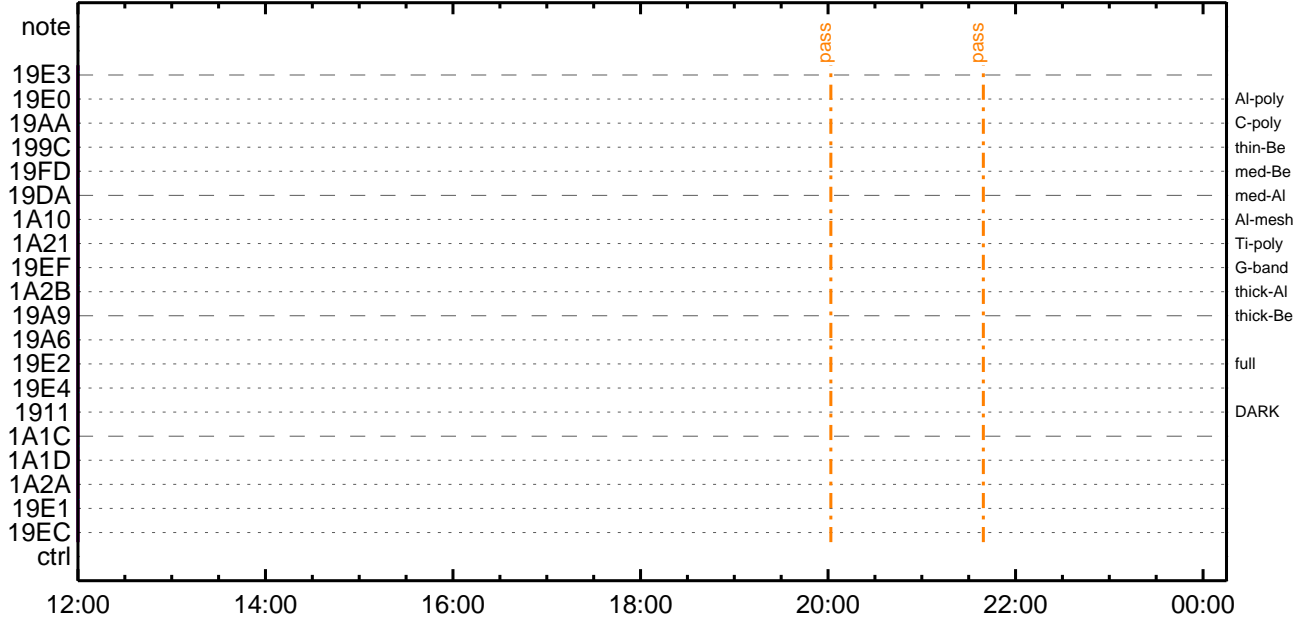
CMDI #0439 2014/08/01



CMDI #0439 2014/08/02



CMDI #0439 2014/08/02









```
0194 C.
0195 +. TI 2014-07-29 10:35:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄë%îîñαîŷÄŷ§ŷÄŷ-¹àîÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]             EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]                EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]             EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]             EQ      0xB3
0204 C.
0205 C. *****
0206 C. TÍîŧ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]           EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]           EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]            EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]           EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]             EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]              EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]             EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]           EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]             EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»αð³îÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]             EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîŷÊ¹ç•è²îOKαð³îÇ§
0229 C.
0230 C. DHUŷâ;¼ŷÊ;Ê¼ŷ¼.ŷî;¼ŷÊ;Êαðîãα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]              EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]             EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]           EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]           EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2014-07-29 10:35:16.0
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 2014-07-29 10:35:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2014-07-29 10:35:40.0
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 2014-07-29 10:35:00.0
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 ´ûÃîαî»ö¼ŷαÊÄα¹αèDCBC•x²è *****
0276 C. (¼ª°îŷÖŷÄŷÊŷŷŷÄŷçŷèè¼αα¼Ã»Ûα¹αè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹•î Daily±çîñèË'Øα¹αèDCBC•x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ-¼Ã»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.
```







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0096 C.
0097 C. XRT Obs. Table Upload
0098 . S. RAM ram-291:MDP_OBS_X
0099 ( )
0100 C.
0101 +. DC 07-F0 MDP_DUMP_XRTTBL
0102 BC (84 07 00 00 00 3a d4)
0103 . C. ----- Comparison Check ? OK / ERR ____
0104 C.
0105 C.
0106 +. DC 07-F0 MDP_XRT_ROI_SET
0107 BC (cd 01 b1 b1 04 04)
0108 + DC 07-F0 MDP_XRT_ROI_SET
0109 BC (cd 02 b1 b1 08 08)
0110 + DC 07-F0 MDP_XRT_ROI_SET
0111 BC (cd 03 b1 b1 08 08)
0112 + DC 07-F0 MDP_XRT_ROI_SET
0113 BC (cd 04 b1 b1 06 06)
0114 + DC 07-F0 MDP_XRT_ROI_SET
0115 BC (cd 05 85 83 06 06)
0116 + DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 06 80 80 20 20)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 07 85 83 06 06)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 08 85 83 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 09 80 80 20 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 0a 80 80 08 20)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 0b a2 7d 08 08)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 0c 80 80 08 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 0d 53 54 08 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 0f 80 80 06 06)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 10 80 80 08 08)
0136 + DC 07-F0 MDP_XRT_FLD_ENA
0137 BC (d8)
0138 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0139 BC (c8)
0140 + DC 07-F0 MDP_XRT_ARS_DIS
0141 BC (d5)
0142 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0143 BC (c4 09)
0144 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0145 BC (c5 11)
0146 . C. ----- Success Verify ? OK / NG ____
0147 C.
0148 C.
0149 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0150 C.
0151 +. DC 07-F0 MDP_XRT_MODE_OBSV
0152 BC (c2)
0153 +. TI 2014-07-29 10:35:02.0
0154 DC 07-F0 MDP_XRT_MODE_OBSV
0155 BC (c2)
0156 +. TI 2014-07-29 10:35:04.0
0157 DC 07-F0 MDP_XRT_CTRL_AUTO
0158 BC (c0)
0159 . C. ----- Success Verify ? OK / NG ____
0160 C.
0161 C. ***** XRT END *****
0162 C.
0163 . C. ***** MDP `ûÃîoî»ô%ŸoÊÂðo¹oèDCBC•x²è *****
0164 C. (¼á°îŸÓŸÃŸÈŸPŸÈŸáŸçŸèoÈ%¼o¼Ã»Ûo¹oè)
0165 . S. DC-BC dcbc-402:DCBC
0166 (MDP_known_event)
0167 C.
0168 C.
0169 . C. ***** ŸDŸ¹•Ï Daily±;îÑoÈ`Øo¹oèDCBC•x²è *****
0170 . S. DC-BC dcbc-153:DCBC
0171 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0172 C.
0173 C.
0174 . C. ;ãLOSŸÁŸSŸÄŸ-¼Ã»Û;ã
0175 C.
0176 . C. ***** LOS *****
0177 C.
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\*\*\* OP Sequence for XRT \*\*\*

|            |            |                                   |   |       |                |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|
| 2014/07/29 | 10:45:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 10:45:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 10:45:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2014/07/29 | 10:46:00.0 | AOCS_Ore-point_Start_1_OG [0x097] |   |       |                |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 02 00 00 00 00 |  |  |
| 2014/07/29 | 10:46:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |
| 2014/07/29 | 10:46:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |
| 2014/07/29 | 10:46:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |
| 2014/07/29 | 10:46:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |
| 2014/07/29 | 10:46:26.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 10:48:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb]    |   |       |                |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14          |  |  |
| 2014/07/29 | 10:48:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6]    |   |       |                |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 01          |  |  |
| 2014/07/29 | 10:49:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 11:22:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 11:22:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 11:22:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 11:22:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |
| 2014/07/29 | 11:25:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |
| 2014/07/29 | 11:50:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |
| 2014/07/29 | 11:51:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 13:01:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 13:01:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 13:01:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 13:01:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |
| 2014/07/29 | 13:04:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |
| 2014/07/29 | 13:29:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |
| 2014/07/29 | 13:30:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 14:39:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 14:39:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 14:39:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 14:39:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |
| 2014/07/29 | 14:42:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |
| 2014/07/29 | 15:18:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |
| 2014/07/29 | 15:19:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 15:24:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 15:24:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 15:24:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 15:24:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |
| 2014/07/29 | 15:27:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |
| 2014/07/29 | 15:27:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |
| 2014/07/29 | 15:28:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 16:18:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 16:18:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |
| 2014/07/29 | 16:18:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |
| 2014/07/29 | 16:18:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |
| 2014/07/29 | 16:21:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |
| 2014/07/29 | 17:04:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |
| 2014/07/29 | 17:05:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |
| 2014/07/29 | 17:39:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |

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|            |            |                                   |                     |   |       |                |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2014/07/29 | 17:39:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 17:39:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2014/07/29 | 17:40:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |
| 2014/07/29 | 17:40:18.0 | XRT_FLD_DIS_422_OG [0x1a6]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2014/07/29 | 17:42:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2014/07/29 | 17:42:56.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2014/07/29 | 17:42:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0f          |  |
| 2014/07/29 | 17:43:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2014/07/29 | 17:50:24.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 17:50:26.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 17:50:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2014/07/29 | 17:50:48.0 | XRT_FLD_DIS_422_OG [0x1a6]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2014/07/29 | 17:53:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2014/07/29 | 17:53:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2014/07/29 | 17:53:28.0 | XRT_QT_PROG_SET_442_OG [0x1ba]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 03          |  |
| 2014/07/29 | 17:53:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2014/07/29 | 18:44:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 18:44:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 18:44:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2014/07/29 | 18:45:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | AOCU_NM             | 5 | 02-76 | 02 00 00 00 00 |  |
| 2014/07/29 | 18:45:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2014/07/29 | 18:45:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2014/07/29 | 18:45:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2014/07/29 | 18:45:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2014/07/29 | 18:45:26.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2014/07/29 | 18:47:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14          |  |
| 2014/07/29 | 18:47:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 01          |  |
| 2014/07/29 | 18:48:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2014/07/29 | 19:34:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 19:34:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 19:34:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2014/07/29 | 19:34:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2014/07/29 | 19:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2014/07/29 | 20:18:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |                |  |
| 2014/07/29 | 20:19:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2014/07/29 | 21:13:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 21:13:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 21:13:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2014/07/29 | 21:13:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2014/07/29 | 21:16:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2014/07/29 | 21:54:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |                |  |
| 2014/07/29 | 21:55:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2014/07/29 | 22:51:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 22:51:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2014/07/29 | 22:51:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2014/07/29 | 22:51:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2014/07/29 | 22:54:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2014/07/29 | 23:25:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |                |  |



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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2014/07/29 | 23:26:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 00:30:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 00:30:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 00:30:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 00:30:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 00:33:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 00:57:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 00:58:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 02:08:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 02:08:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 02:08:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 02:08:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 02:11:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 02:36:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 02:37:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 03:37:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 03:37:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 03:37:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 03:37:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 03:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 04:14:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 04:15:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 05:17:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 05:17:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 05:17:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 05:17:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 05:20:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 05:53:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 05:54:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 05:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 05:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 05:59:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/30 | 06:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2014/07/30 | 06:00:18.0 | XRT_FLD_DIS_422_OG [0x1a6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2014/07/30 | 06:02:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2014/07/30 | 06:02:56.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/30 | 06:02:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0f          |  |  |  |  |
| 2014/07/30 | 06:03:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 06:09:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 06:09:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 06:09:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2014/07/30 | 06:10:00.0 | AOCS_Ore-point_Start_3_OG [0x099] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 03 00 00 00 00 |  |  |  |  |
| 2014/07/30 | 06:10:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2014/07/30 | 06:10:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2014/07/30 | 06:10:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2014/07/30 | 06:10:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/30 | 06:10:26.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 06:12:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14          |  |  |  |  |
| 2014/07/30 | 06:12:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6]    |   |       |                |  |  |  |  |

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|            |            |                                   |                     |   |       |             |    |
|------------|------------|-----------------------------------|---------------------|---|-------|-------------|----|
| 2014/07/30 | 06:13:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5          | 01 |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2014/07/30 | 06:57:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 06:57:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 06:57:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 06:57:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2014/07/30 | 07:00:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2014/07/30 | 07:31:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2014/07/30 | 07:32:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2014/07/30 | 08:37:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 08:37:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 08:37:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 08:37:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2014/07/30 | 08:40:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2014/07/30 | 09:10:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2014/07/30 | 09:11:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2014/07/30 | 10:18:30.5 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 10:18:33.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 10:18:35.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 10:18:37.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2014/07/30 | 10:21:45.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2014/07/30 | 10:29:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 10:29:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 10:29:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa    | 00 |
| 2014/07/30 | 10:30:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 00 56 66 00 | 9b |
| 2014/07/30 | 10:30:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8          |    |
| 2014/07/30 | 10:30:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8          |    |
| 2014/07/30 | 10:30:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0          |    |
| 2014/07/30 | 10:30:24.0 | XRT_ARS_DIS_427_OG [0x1ab]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5          |    |
| 2014/07/30 | 10:32:54.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 10:32:56.0 | XRT_QT_PROG_SET_426_OG [0x1aa]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4          | 05 |
| 2014/07/30 | 10:32:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5          | 11 |
| 2014/07/30 | 10:48:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2014/07/30 | 10:49:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2014/07/30 | 11:59:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 11:59:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 11:59:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 11:59:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2014/07/30 | 12:02:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2014/07/30 | 12:26:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |             |    |
| 2014/07/30 | 12:27:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0          |    |
| 2014/07/30 | 13:37:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 13:37:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 13:37:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |
| 2014/07/30 | 13:37:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8          |    |
| 2014/07/30 | 13:40:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9          |    |
| 2014/07/30 | 14:07:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 14:07:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1          |    |
| 2014/07/30 | 14:07:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da          |    |

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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2014/07/30 | 14:07:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 14:10:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 14:13:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 14:14:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 15:16:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 15:16:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 15:16:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 15:16:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 15:19:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 16:03:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 16:04:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 16:54:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 16:54:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 16:54:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 16:54:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/30 | 16:57:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/30 | 17:40:00.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/30 | 17:41:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 18:14:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 18:14:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 18:14:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/30 | 18:15:00.0 | AOCS_ORe-point_Start_2_OG [0x098] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2014/07/30 | 18:15:18.0 | XRT_FLD_DIS_422_OG [0x1a6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2014/07/30 | 18:17:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2014/07/30 | 18:17:56.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/30 | 18:17:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0f          |  |  |  |  |
| 2014/07/30 | 18:18:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 18:26:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 18:26:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 18:26:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/30 | 18:27:18.0 | XRT_FLD_DIS_422_OG [0x1a6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2014/07/30 | 18:29:54.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2014/07/30 | 18:29:56.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/30 | 18:29:58.0 | XRT_QT_PROG_SET_433_OG [0x1b1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0b          |  |  |  |  |
| 2014/07/30 | 18:30:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 19:19:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 19:19:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/30 | 19:19:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/30 | 19:20:00.0 | AOCS_ORe-point_Start_5_OG [0x09b] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 01 00 00 00 00 |  |  |  |  |
| 2014/07/30 | 19:20:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2014/07/30 | 19:20:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2014/07/30 | 19:20:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2014/07/30 | 19:20:24.0 | XRT_ARS_DIS_427_OG [0x1ab]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/30 | 19:22:54.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/30 | 19:22:56.0 | XRT_QT_PROG_SET_426_OG [0x1aa]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 05          |  |  |  |  |
| 2014/07/30 | 19:22:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 11          |  |  |  |  |
| 2014/07/30 | 19:23:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/30 | 20:11:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |

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|            |            |                                   |                     |   |       |    |    |          |
|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----------|
| 2014/07/30 | 20:11:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 20:11:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/30 | 20:11:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2014/07/30 | 20:14:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2014/07/30 | 20:49:54.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 20:49:56.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 20:49:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 00    |
| 2014/07/30 | 20:50:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 03 | 00 | 00 00 00 |
| 2014/07/30 | 20:50:18.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |          |
| 2014/07/30 | 20:50:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |          |
| 2014/07/30 | 20:50:22.0 | XRT_AEC_RESET_413_OG [0x19d]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |          |
| 2014/07/30 | 20:50:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |          |
| 2014/07/30 | 20:50:26.0 | XRT_FLD_RESET_407_OG [0x197]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/30 | 20:52:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 14 |          |
| 2014/07/30 | 20:52:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 01 |          |
| 2014/07/30 | 20:54:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |    |    |          |
| 2014/07/30 | 20:55:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2014/07/30 | 21:49:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 21:49:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 21:49:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/30 | 21:49:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2014/07/30 | 21:52:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2014/07/30 | 22:30:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |    |    |          |
| 2014/07/30 | 22:31:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2014/07/30 | 23:28:00.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 23:28:02.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/30 | 23:28:04.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/30 | 23:28:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2014/07/30 | 23:31:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2014/07/30 | 23:55:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |    |    |          |
| 2014/07/30 | 23:56:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2014/07/31 | 01:06:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 01:06:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 01:06:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/31 | 01:06:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2014/07/31 | 01:09:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2014/07/31 | 01:34:00.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |    |    |          |
| 2014/07/31 | 01:35:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2014/07/31 | 02:44:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 02:44:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 02:44:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/31 | 02:44:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |
| 2014/07/31 | 02:47:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |          |
| 2014/07/31 | 03:12:30.0 | XRT_Custom_430_OG [0x1ae]         |                     |   |       |    |    |          |
| 2014/07/31 | 03:13:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |          |
| 2014/07/31 | 04:13:30.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 04:13:32.0 | XRT_CTRL_MANU_402_OG [0x192]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |          |
| 2014/07/31 | 04:13:34.0 | XRT_FLD_RESET_415_OG [0x19f]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |          |
| 2014/07/31 | 04:13:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |          |

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|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2014/07/31 | 04:16:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/31 | 04:30:00.0 | AOCs_OrE-point_Start_2_OG [0x098] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2014/07/31 | 05:26:24.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:26:26.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:26:28.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/31 | 05:26:48.0 | XRT_FLD_DIS_422_OG [0x1a6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2014/07/31 | 05:29:24.0 | XRT_FLRCTRL_DIS_405_OG [0x195]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2014/07/31 | 05:29:26.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/31 | 05:29:28.0 | XRT_QT_PROG_SET_421_OG [0x1a5]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0f          |  |  |  |  |
| 2014/07/31 | 05:29:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/31 | 05:36:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:36:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:36:58.0 | XRT_FOCUS_POSITION_403_OG [0x193] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2014/07/31 | 05:37:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2014/07/31 | 05:37:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2014/07/31 | 05:37:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2014/07/31 | 05:37:24.0 | XRT_ARS_DIS_427_OG [0x1ab]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/31 | 05:39:54.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/31 | 05:39:56.0 | XRT_QT_PROG_SET_426_OG [0x1aa]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 05          |  |  |  |  |
| 2014/07/31 | 05:39:58.0 | XRT_FL_PROG_SET_401_OG [0x191]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 11          |  |  |  |  |
| 2014/07/31 | 05:40:00.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/31 | 05:54:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:54:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 05:54:04.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/31 | 05:54:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/31 | 05:57:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/31 | 06:29:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/31 | 06:30:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/31 | 07:34:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 07:34:32.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 07:34:34.0 | XRT_FLD_RESET_415_OG [0x19f]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/31 | 07:34:36.0 | XRT_PREFLR_STRT_439_OG [0x1b7]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2014/07/31 | 07:37:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2014/07/31 | 07:59:54.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 07:59:56.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 07:59:58.0 | XRT_FOCUS_POSITION_410_OG [0x19a] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2014/07/31 | 08:00:00.0 | AOCs_OrE-point_Start_3_OG [0x099] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 03 00 00 00 00 |  |  |  |  |
| 2014/07/31 | 08:00:18.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2014/07/31 | 08:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2014/07/31 | 08:00:22.0 | XRT_AEC_RESET_413_OG [0x19d]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2014/07/31 | 08:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2014/07/31 | 08:00:26.0 | XRT_FLD_RESET_407_OG [0x197]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2014/07/31 | 08:02:56.0 | XRT_QT_PROG_SET_443_OG [0x1bb]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14          |  |  |  |  |
| 2014/07/31 | 08:02:58.0 | XRT_FL_PROG_SET_438_OG [0x1b6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 01          |  |  |  |  |
| 2014/07/31 | 08:07:30.0 | XRT_Custom_430_OG [0x1ae]         |   |       |                |  |  |  |  |
| 2014/07/31 | 08:08:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2014/07/31 | 09:14:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2014/07/31 | 09:14:02.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |       |                |  |  |  |  |

|            |            |                                  |                     |   |       |                |
|------------|------------|----------------------------------|---------------------|---|-------|----------------|
| 2014/07/31 | 09:14:04.0 | XRT_FLD_RESET_415_OG [0x19f]     | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
|            |            |                                  | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2014/07/31 | 09:14:06.0 | XRT_PREFLR_STRT_439_OG [0x1b7]   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |
| 2014/07/31 | 09:17:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3]   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |
| 2014/07/31 | 10:21:00.0 | AOCS_Or-point_Start_2_OG [0x098] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |