

# XRT Timeline to be uploaded on 2011/08/18

Period: 2011/08/18 10:40:00 - 2011/08/23 11:00:00

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**Normal mode**

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| <b>XOB #1886: AR Standard-A(Filter-Ratio) with eruption PFB, FW1=Open, 512x512 at 1064 1048, 100s cad</b>  |  |  |  |  |  |  |  |                              |  |  |  |  |
|--|--|--|--|--|--|--|--|------------------------------|--|--|--|--|
| Term   | Pointing (x, y)                                    |  |  |  |  |  |  | Comment                      |  |  |  |  |
| 08/18 10:53:00 - 08/18 11:59:00  | Track ( -616.9, 161.6) <sup>© 08/18 10:50:00</sup> |  |  |  |  |  |  | # OP start + 10min, HOP 195. |  |  |  |  |
| <b>PROG= 20 Inf.-time(s)</b>   |  |  |  |  |  |  |  |                              |  |  |  |  |
| ┌ <b>Subr= 1 1-time(s) 2.0sec</b>  |  |  |  |  |  |  |  |                              |  |  |  |  |
| ├ <b>Seqn= 19 1-time(s) 2.0sec</b>   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ 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 63ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| ├ <b>Seqn= 49 4-time(s) 2.0sec</b>   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Ti-poly Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec  |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/thick-Al Open/thick-Be close Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| └ <b>Subr= 2 1-time(s) 2.0sec</b>  |  |  |  |  |  |  |  |                              |  |  |  |  |
| ├ <b>Seqn= 6 18-time(s) 2.0sec</b>   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Al-mesh Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec  |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 20.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 512x512 (1064, 1048) Q=95 2 1 2.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 2 1 20.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 2x2 512x512 (1064, 1048) Q=95 2 2 2.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 2 2 20.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Al-mesh Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 3 2.0sec  |  |  |  |  |  |  |  |                              |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 3 3 20.0sec   |  |  |  |  |  |  |  |                              |  |  |  |  |
| <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Default Filter</span> <span>Thicker Filter</span> <span>VLS</span> <span>mode</span> <span>image</span> <span>Exp.</span> <span>CCD</span> <span>Bin</span> <span>ROI: size (center)</span> <span>Comp.</span> <span>AEC Buffer</span> <span>Interval</span> </div> |  |  |  |  |  |  |  |                              |  |  |  |  |

| <b>XOB #189F: AR Standard-A(Filter-Ratio) with PFB, thin-Be, thick Al and Al/Poly context, 384x384 at 1064 1048, 60s cad</b>   |  |  |  |  |  |  |  |   |  |  |  |  |
|--|--|--|--|--|--|--|--|---|--|--|--|--|
| Term   | Pointing (x, y)                                    |  |  |  |  |  |  | Comment   |  |  |  |  |
| 08/18 12:26:05 - 08/18 17:56:24  | Track ( 155.7, -411.2) <sup>© 08/18 12:00:00</sup> |  |  |  |  |  |  | # EIS emerging flux region observations (AR 11273). |  |  |  |  |
| 08/18 18:09:30 - 08/18 20:59:54  | Track ( -589.7, 159.1) <sup>© 08/18 18:06:30</sup> |  |  |  |  |  |  | # AR 11271 continued (HOP 191, from 18-21UT).       |  |  |  |  |
| 08/18 21:03:00 - 08/19 02:44:00  | Track ( 231.0, -409.5) <sup>© 08/18 21:00:00</sup> |  |  |  |  |  |  | # EIS emerging flux region observations (AR 11273). |  |  |  |  |
| 08/19 03:12:00 - 08/19 06:29:24  | Track ( -527.7, 153.3) <sup>© 08/19 03:00:00</sup> |  |  |  |  |  |  | # Track AR 11271.                                   |  |  |  |  |
| 08/19 06:42:30 - 08/19 07:33:30  | Track ( -501.0, 151.1) <sup>© 08/19 06:39:30</sup> |  |  |  |  |  |  | # AR 11271 cont.                                    |  |  |  |  |
| 08/19 16:43:00 - 08/19 17:35:00  | Track ( -430.1, 146.0) <sup>© 08/19 16:00:00</sup> |  |  |  |  |  |  | # AR 11271 cont.                                    |  |  |  |  |
| 08/19 18:29:00 - 08/20 06:01:24  | Track ( -411.1, 144.7) <sup>© 08/19 18:26:00</sup> |  |  |  |  |  |  | # AR 11271 (HOP 191 from 18UT-21UT).                |  |  |  |  |
| 08/20 06:24:30 - 08/20 09:51:30  | Track ( -314.6, 139.5) <sup>© 08/20 06:21:30</sup> |  |  |  |  |  |  | # AR 11271 cont.                                    |  |  |  |  |
| <b>PROG= 18 Inf.-time(s)</b>   |  |  |  |  |  |  |  |   |  |  |  |  |
| ┌ <b>Subr= 1 1-time(s) 2.0sec</b>  |  |  |  |  |  |  |  |   |  |  |  |  |
| ├ <b>Seqn= 19 1-time(s) 2.0sec</b>   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ 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 63ms Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| ├ <b>Seqn= 76 4-time(s) 2.0sec</b>   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Al-poly/Open thin-Be/Open close Safe Norm 500ms Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ thin-Be/Open med-Be/Open close Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/thick-Al Open/thick-Al close Safe Norm 16.0s Obs 1x1 512x512 (1024, 1024) Q=95 3 0 2.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| └ <b>Subr= 2 1-time(s) 2.0sec</b>  |  |  |  |  |  |  |  |   |  |  |  |  |
| ├ <b>Seqn= 62 20-time(s) 2.0sec</b>  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ thin-Be/Open Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 15.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ thin-Be/Open Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 1 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 3 1 15.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ thin-Be/Open Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 2 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 3 2 15.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| │ thin-Be/Open Open/thick-Al close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=95 3 3 2.0sec  |  |  |  |  |  |  |  |   |  |  |  |  |
| │ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 512x512 (1064, 1048) Q=95 3 3 15.0sec   |  |  |  |  |  |  |  |   |  |  |  |  |
| <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Default Filter</span> <span>Thicker Filter</span> <span>VLS</span> <span>mode</span> <span>image</span> <span>Exp.</span> <span>CCD</span> <span>Bin</span> <span>ROI: size (center)</span> <span>Comp.</span> <span>AEC Buffer</span> <span>Interval</span> </div> |  |  |  |  |  |  |  |   |  |  |  |  |

| <b>XOB #187C: Synoptic Q95 2x2 - Al/mesh(45/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(88/2897) + Thin-Be(36)</b> |                   |  |  |  |  |  |  |                            |  |  |  |  |
|---|-------------------|--|--|--|--|--|--|----------------------------|--|--|--|--|
| Term  | Pointing (x, y)   |  |  |  |  |  |  | Comment                    |  |  |  |  |
| 08/18 17:59:30 - 08/18 18:06:24   | Fixed ( 0.0, 0.0) |  |  |  |  |  |  | synoptic, shifted -3.5 min |  |  |  |  |
| 08/19 06:32:30 - 08/19 06:39:24   | Fixed ( 0.0, 0.0) |  |  |  |  |  |  | synoptic, shifted 29.5 min |  |  |  |  |
| 08/19 18:19:00 - 08/19 18:25:54   | Fixed ( 0.0, 0.0) |  |  |  |  |  |  | synoptic, shifted 16.0 min |  |  |  |  |
| <b>PROG= 07 1-time(s)</b>   |                   |  |  |  |  |  |  |                            |  |  |  |  |
| ┌ <b>Subr= 1 1-time(s) 12.0sec</b>  |                   |  |  |  |  |  |  |                            |  |  |  |  |
| ├ <b>Seqn= 86 1-time(s) 4.0sec</b>  |                   |  |  |  |  |  |  |                            |  |  |  |  |
| │ Open/Al-mesh Open/Al-mesh close Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec   |                   |  |  |  |  |  |  |                            |  |  |  |  |
| │ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec  |                   |  |  |  |  |  |  |                            |  |  |  |  |
| ├ <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= 37 1-time(s) 4.0sec</b>  |                   |  |  |  |  |  |  |                            |  |  |  |  |

|   |                 |              |                  |               |      |       |     |     |                        |      |   |   |        |
|---|-----------------|--------------|------------------|---------------|------|-------|-----|-----|------------------------|------|---|---|--------|
| ┌   | Open/Ti-poly    | Open/Ti-poly | close            | Safe          | Norm | 86ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
|   | Open/Ti-poly    | Open/Ti-poly | close            | Safe          | Norm | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| └   | <b>Seqn= 32</b> |              | <b>1-time(s)</b> | <b>2.0sec</b> |      |       |     |     |                        |      |   |   |        |
| ┌   | thin-Be/Open    | thin-Be/Open | close            | Safe          | Norm | 354ms | 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 |
| └   | <b>Seqn= 4</b>  |              | <b>1-time(s)</b> | <b>2.0sec</b> |      |       |     |     |                        |      |   |   |        |
| ┌   | Open/G-band     | Open/G-band  | open             | Safe          | Norm | 16ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| <hr/> Default Filter    Thicker Filter    VLS    mode    image    Exp.    CCD    Bin    ROI: size (center)    Comp.    AEC Buffer    Interval |                 |              |                  |               |      |       |     |     |                        |      |   |   |        |

| <b>XOB #183D: AR Standard-A(Filter-Ratio) with PFB, FW1=Open, 384x384 at 1064 1048, 100s cad</b>  |                 |  |                   |               |      |       |     |           |                      |      |   |   |         |
|---|-----------------|--|-------------------|---------------|------|-------|-----|-----------|----------------------|------|---|---|---------|
| Term  |                 | Pointing (x, y)                                    |                   |               |      |       |     | Comment   |                      |      |   |   |         |
| 08/19 08:06:30 - 08/19 11:59:54   |                 | Track ( -467.2, 148.1) <sup>© 08/19 08:00:00</sup> |                   |               |      |       |     | # HOP 195 |                      |      |   |   |         |
| <b>PROG= 05</b> <b>Inf.-time(s)</b>   |                 |  |                   |               |      |       |     |           |                      |      |   |   |         |
| ┌   | <b>Subr= 1</b>  |  | <b>1-time(s)</b>  | <b>2.0sec</b> |      |       |     |           |                      |      |   |   |         |
| ┌   | <b>Seqn= 19</b> |  | <b>1-time(s)</b>  | <b>2.0sec</b> |      |       |     |           |                      |      |   |   |         |
| ┌   | 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 | 63ms  | Obs | 1x1       | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec  |
| ┌   | <b>Seqn=100</b> |  | <b>4-time(s)</b>  | <b>2.0sec</b> |      |       |     |           |                      |      |   |   |         |
| ┌   | Open/Ti-poly    | Open/thick-Al                                      | close             | Safe          | Norm | 500ms | Obs | 1x1       | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec  |
| ┌   | Open/thick-Al   | Open/thick-Be                                      | close             | Safe          | Norm | 16.0s | Obs | 1x1       | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec  |
| └   | <b>Subr= 2</b>  |  | <b>1-time(s)</b>  | <b>2.0sec</b> |      |       |     |           |                      |      |   |   |         |
| ┌   | <b>Seqn= 2</b>  |  | <b>18-time(s)</b> | <b>2.0sec</b> |      |       |     |           |                      |      |   |   |         |
| ┌   | Open/Al-mesh    | Open/thick-Al                                      | close             | Safe          | Norm | 500ms | Obs | 1x1       | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec  |
| ┌   | Open/Ti-poly    | Open/thick-Be                                      | close             | Safe          | Norm | 1.00s | Obs | 1x1       | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 20.0sec |
| ┌   | Open/Al-mesh    | Open/thick-Al                                      | close             | Safe          | Norm | 500ms | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 1 | 2.0sec  |
| ┌   | Open/Ti-poly    | Open/thick-Be                                      | close             | Safe          | Norm | 1.00s | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 1 | 20.0sec |
| ┌   | Open/Al-mesh    | Open/thick-Al                                      | close             | Safe          | Norm | 500ms | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 2 | 2.0sec  |
| ┌   | Open/Ti-poly    | Open/thick-Be                                      | close             | Safe          | Norm | 1.00s | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 2 | 20.0sec |
| ┌   | Open/Al-mesh    | Open/thick-Al                                      | close             | Safe          | Norm | 500ms | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 3 | 2.0sec  |
| ┌   | Open/Ti-poly    | Open/thick-Be                                      | close             | Safe          | Norm | 1.00s | Obs | 1x1       | 512x512 (1064, 1048) | Q=95 | 3 | 3 | 20.0sec |
| <hr/> Default Filter    Thicker Filter    VLS    mode    image    Exp.    CCD    Bin    ROI: size (center)    Comp.    AEC Buffer    Interval |                 |  |                   |               |      |       |     |           |                      |      |   |   |         |

| <b>XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT</b>                                     |                 |                     |                   |                 |      |      |     |                              |                       |      |   |   |        |
|---|-----------------|---------------------|-------------------|-----------------|------|------|-----|------------------------------|-----------------------|------|---|---|--------|
| Term  |                 | Pointing (x, y)     |                   |                 |      |      |     | Comment                      |                       |      |   |   |        |
| 08/19 12:15:00 - 08/19 13:59:54   |                 | Fixed ( 0.0, 945.0) |                   |                 |      |      |     | # Coalignment at North Pole. |                       |      |   |   |        |
| <b>PROG= 14</b> <b>1-time(s)</b>  |                 |                     |                   |                 |      |      |     |                              |                       |      |   |   |        |
| ┌   | <b>Subr= 1</b>  |                     | <b>1-time(s)</b>  | <b>360.0sec</b> |      |      |     |                              |                       |      |   |   |        |
| ┌   | <b>Seqn= 21</b> |                     | <b>24-time(s)</b> | <b>300.0sec</b> |      |      |     |                              |                       |      |   |   |        |
| ┌   | Open/G-band     | Open/G-band         | open              | Safe            | Norm | 16ms | Obs | 2x2                          | 2048x1536 (1024, 768) | Q=90 | 0 | 0 | 2.0sec |
| <hr/> Default Filter    Thicker Filter    VLS    mode    image    Exp.    CCD    Bin    ROI: size (center)    Comp.    AEC Buffer    Interval |                 |                     |                   |                 |      |      |     |                              |                       |      |   |   |        |

| <b>XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT</b>  |                 |                      |                   |                 |      |      |     |                             |                        |      |   |   |        |
|---|-----------------|----------------------|-------------------|-----------------|------|------|-----|-----------------------------|------------------------|------|---|---|--------|
| Term  |                 | Pointing (x, y)      |                   |                 |      |      |     | Comment                     |                        |      |   |   |        |
| 08/19 14:15:00 - 08/19 15:56:30   |                 | Fixed ( -945.0, 0.0) |                   |                 |      |      |     | # Coalignment at East limb. |                        |      |   |   |        |
| <b>PROG= 06</b> <b>1-time(s)</b>  |                 |                      |                   |                 |      |      |     |                             |                        |      |   |   |        |
| ┌   | <b>Subr= 1</b>  |                      | <b>1-time(s)</b>  | <b>360.0sec</b> |      |      |     |                             |                        |      |   |   |        |
| ┌   | <b>Seqn= 22</b> |                      | <b>15-time(s)</b> | <b>480.0sec</b> |      |      |     |                             |                        |      |   |   |        |
| ┌   | Open/G-band     | Open/G-band          | open              | Safe            | Norm | 16ms | Obs | 2x2                         | 1536x2048 (1280, 1024) | Q=90 | 0 | 0 | 2.0sec |
| <hr/> Default Filter    Thicker Filter    VLS    mode    image    Exp.    CCD    Bin    ROI: size (center)    Comp.    AEC Buffer    Interval |                 |                      |                   |                 |      |      |     |                             |                        |      |   |   |        |

| <b>XOB #1726: Synoptic 9 Filter- 2x2 Q98 Shorter exp 2 loop</b>   |                 |                   |                  |                 |      |       |     |   |                        |      |   |   |        |
|---|-----------------|-------------------|------------------|-----------------|------|-------|-----|---|------------------------|------|---|---|--------|
| Term  |                 | Pointing (x, y)   |                  |                 |      |       |     | Comment   |                        |      |   |   |        |
| 08/20 06:04:30 - 08/20 06:21:24   |                 | Fixed ( 0.0, 0.0) |                  |                 |      |       |     | synoptic, shifted 1.5 min and extended 10 mins. |                        |      |   |   |        |
| <b>PROG= 12</b> <b>2-time(s)</b>  |                 |                   |                  |                 |      |       |     |   |                        |      |   |   |        |
| ┌   | <b>Subr= 1</b>  |                   | <b>1-time(s)</b> | <b>180.0sec</b> |      |       |     |   |                        |      |   |   |        |
| ┌   | <b>Seqn= 82</b> |                   | <b>1-time(s)</b> | <b>25.0sec</b>  |      |       |     |   |                        |      |   |   |        |
| ┌   | Open/Al-mesh    | Open/Al-mesh      | close            | Safe            | Norm | 125ms | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | Open/Al-mesh    | Open/Al-mesh      | close            | Safe            | Norm | 1.00s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 98</b> |                   | <b>1-time(s)</b> | <b>25.0sec</b>  |      |       |     |   |                        |      |   |   |        |
| ┌   | Open/Ti-poly    | Open/Ti-poly      | close            | Safe            | Norm | 250ms | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | Open/Ti-poly    | Open/Ti-poly      | close            | Safe            | Norm | 2.00s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 74</b> |                   | <b>1-time(s)</b> | <b>25.0sec</b>  |      |       |     |   |                        |      |   |   |        |
| ┌   | Al-poly/Open    | Al-poly/Open      | close            | Safe            | Norm | 125ms | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | Al-poly/Open    | Al-poly/Open      | close            | Safe            | Norm | 1.00s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 99</b> |                   | <b>1-time(s)</b> | <b>25.0sec</b>  |      |       |     |   |                        |      |   |   |        |
| ┌   | C-poly/Open     | C-poly/Open       | close            | Safe            | Norm | 250ms | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | C-poly/Open     | C-poly/Open       | close            | Safe            | Norm | 5.66s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 24</b> |                   | <b>1-time(s)</b> | <b>25.0sec</b>  |      |       |     |   |                        |      |   |   |        |
| ┌   | Al-poly/Ti-poly | Al-poly/thick-Al  | close            | Safe            | Norm | 2.00s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 80</b> |                   | <b>1-time(s)</b> | <b>4.0sec</b>   |      |       |     |   |                        |      |   |   |        |
| ┌   | thin-Be/Open    | thin-Be/Open      | close            | Safe            | Norm | 11.3s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| └   | <b>Subr= 2</b>  |                   | <b>1-time(s)</b> | <b>360.0sec</b> |      |       |     |   |                        |      |   |   |        |
| ┌   | <b>Seqn= 85</b> |                   | <b>1-time(s)</b> | <b>4.0sec</b>   |      |       |     |   |                        |      |   |   |        |
| ┌   | med-Al/Open     | med-Al/Open       | close            | Safe            | Norm | 64.0s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| ┌   | <b>Seqn= 71</b> |                   | <b>1-time(s)</b> | <b>4.0sec</b>   |      |       |     |   |                        |      |   |   |        |
| ┌   | Open/thick-Be   | Open/thick-Be     | close            | Safe            | Norm | 64.0s | Obs | 2x2   | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| <hr/> Default Filter    Thicker Filter    VLS    mode    image    Exp.    CCD    Bin    ROI: size (center)    Comp.    AEC Buffer    Interval |                 |                   |                  |                 |      |       |     |   |                        |      |   |   |        |

|                |                |        |              |              |       |      |      |                    |       |            |                        |      |   |   |        |
|----------------|----------------|--------|--------------|--------------|-------|------|------|--------------------|-------|------------|------------------------|------|---|---|--------|
| Seqn= 67       | 1-time(s)      | 4.0sec | Open/Al-mesh | Open/Al-mesh | close | Safe | Dark | 250ms              | Obs   | 2x2        | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 4        | 1-time(s)      | 4.0sec | Open/G-band  | Open/G-band  | open  | Safe | Norm | 16ms               | 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               |      |   |   |        |

\* \* \* \* \*

### Flare mode

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| <b>XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open)</b> |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
|--|------------------------|-------|------------------------------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|--|--|--|
| Term   | Pointing (x, y)        |       | Comment                      |       |       |     |     |                      |       |            |          |        |  |  |  |
| 08/18 10:53:00 - 08/18 11:59:00  | Track ( -616.9, 161.6) |       | # OP start + 10min, HOP 195. |       |       |     |     |                      |       |            |          |        |  |  |  |
| 08/19 08:06:30 - 08/19 11:59:54  | Track ( -467.2, 148.1) |       | # HOP 195                    |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>PROG= 08 1-time(s)</b>  |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Subr= 1 30-time(s) 20.0sec</b>                                      |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 87 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Seqn= 60 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Subr= 2 1-time(s) 2.0sec</b>  |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 90 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band  | Open/G-band            | open  | Safe                         | Norm  | 63ms  | 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 |  |  |  |
| <b>Subr= 3 30-time(s) 60.0sec</b>                                      |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 87 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Seqn= 88 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Subr= 2 1-time(s) 2.0sec</b>  |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 90 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band  | Open/G-band            | open  | Safe                         | Norm  | 63ms  | 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 |  |  |  |
| <b>Subr= 3 30-time(s) 60.0sec</b>                                      |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 87 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Seqn= 88 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Subr= 2 1-time(s) 2.0sec</b>  |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 90 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| Open/G-band  | Open/G-band            | open  | Safe                         | Norm  | 63ms  | 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 |  |  |  |
| <b>Subr= 3 30-time(s) 60.0sec</b>                                      |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 87 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Seqn= 88 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |  |  |  |
| <b>Subr= 4 24-time(s) 600.0sec</b>                                     |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| <b>Seqn= 89 1-time(s) 2.0sec</b>                                       |                        |       |                              |       |       |     |     |                      |       |            |          |        |  |  |  |
| 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 |        |  |  |  |

| <b>XOB #1869: Flare standard obs. multifilter (thin-Be,med-Al,thick-Be 384x384 - Al-poly 512x512 2x2)</b> |                        |       |   |      |       |     |     |                      |      |   |   |        |  |  |  |
|---|------------------------|-------|---|------|-------|-----|-----|----------------------|------|---|---|--------|--|--|--|
| Term  | Pointing (x, y)        |       | Comment   |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/18 12:26:05 - 08/18 17:56:24   | Track ( 155.7, -411.2) |       | # EIS emerging flux region observations (AR 11273). |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/18 18:09:30 - 08/18 20:59:54   | Track ( -589.7, 159.1) |       | # AR 11271 continued (HOP 191, from 18-21UT).       |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/18 21:03:00 - 08/19 02:44:00   | Track ( 231.0, -409.5) |       | # EIS emerging flux region observations (AR 11273). |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/19 03:12:00 - 08/19 06:29:24   | Track ( -527.7, 153.3) |       | # Track AR 11271.                                   |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/19 06:42:30 - 08/19 07:33:30   | Track ( -501.0, 151.1) |       | # AR 11271 cont.                                    |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/19 16:43:00 - 08/19 17:35:00   | Track ( -430.1, 146.0) |       | # AR 11271 cont.                                    |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/19 18:29:00 - 08/20 06:01:24   | Track ( -411.1, 144.7) |       | # AR 11271 (HOP 191 from 18UT-21UT).                |      |       |     |     |                      |      |   |   |        |  |  |  |
| 08/20 06:24:30 - 08/20 09:51:30   | Track ( -314.6, 139.5) |       | # AR 11271 cont.                                    |      |       |     |     |                      |      |   |   |        |  |  |  |
| <b>PROG= 13 1-time(s)</b>   |                        |       |   |      |       |     |     |                      |      |   |   |        |  |  |  |
| <b>Subr= 1 4-time(s) 2.0sec</b>   |                        |       |   |      |       |     |     |                      |      |   |   |        |  |  |  |
| <b>Seqn= 55 45-time(s) 20.0sec</b>  |                        |       |   |      |       |     |     |                      |      |   |   |        |  |  |  |
| thin-Be/Open  | med-Be/Open            | close | Safe  | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |  |  |  |

|   |                                  |       |      |       |       |     |     |                      |       |            |          |        |
|---|----------------------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| med- <i>Al</i> /Open                    | med- <i>Al</i> /thick- <i>Al</i> | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| Open/thick- <i>Be</i>                   | Open/thick- <i>Be</i>            | close | Safe | Norm  | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| <i>Al</i> -poly/Open                    | <i>Al</i> -poly/thick- <i>Al</i> | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 90    1-time(s)    2.0sec</b>  |                                  |       |      |       |       |     |     |                      |       |            |          |        |
| Open/ <i>G</i> -band                    | Open/ <i>G</i> -band             | open  | Safe | Norm  | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/thick- <i>Al</i>                   | Open/thick- <i>Al</i>            | close | Safe | Dark  | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/thick- <i>Al</i>                   | Open/thick- <i>Al</i>            | close | Safe | Dark  | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| <b>Subr= 2    1-time(s)    600.0sec</b> |                                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 89    1-time(s)    2.0sec</b>  |                                  |       |      |       |       |     |     |                      |       |            |          |        |
| Open/ <i>Al</i> -mesh                   | Open/thick- <i>Al</i>            | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 1          | 0        | 2.0sec |
| Open/ <i>Ti</i> -poly                   | Open/thick- <i>Be</i>            | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 1          | 0        | 2.0sec |
| Open/ <i>G</i> -band                    | Open/ <i>G</i> -band             | open  | Safe | Norm  | 63ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/ <i>Al</i> -mesh                   | Open/ <i>Al</i> -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 |        |

\* \* \* \* \*

### Active Region Search

\* \* \* \* \*

NOT USED

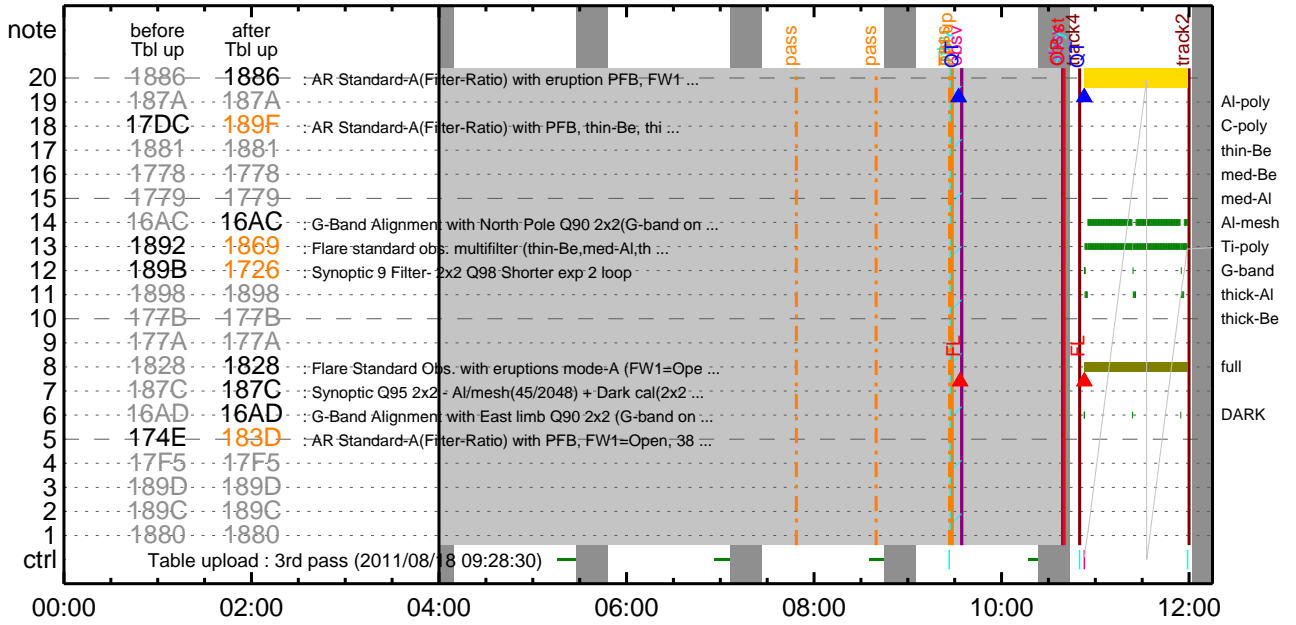
\* \* \* \* \*

### Flare Detection

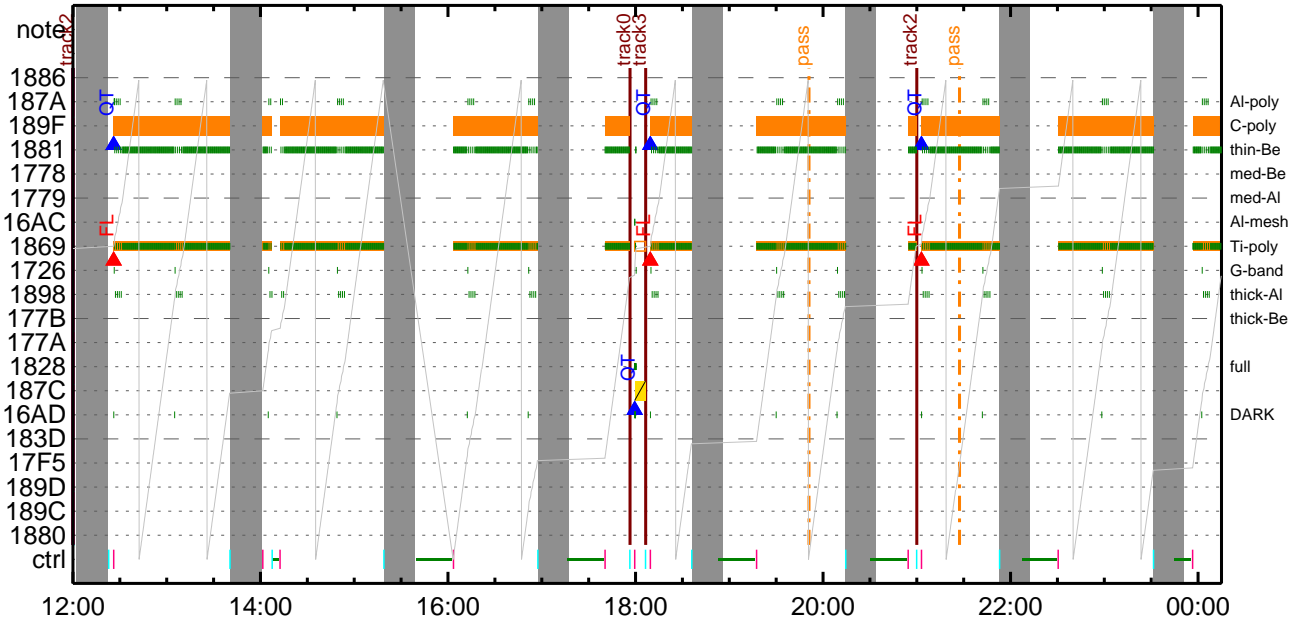
\* \* \* \* \*

| <b>FLD Patrol</b>               |                       |                                 |   |       |      |     |     |                    |       |            |          |  |
|---------------------------------|-----------------------|---------------------------------|---|-------|------|-----|-----|--------------------|-------|------------|----------|--|
| Term                            | Pointing (x, y)       |                                 |   |       |      |     |     | Comment            |       |            |          |  |
| 08/18 18:09:16 - 08/19 06:29:46 | Track (-589.7, 159.1) | <small>© 08/18 18:06:30</small> | # AR 11271 continued (HOP 191, from 18-21UT). |       |      |     |     |                    |       |            |          |  |
| 08/19 16:42:46 - 08/19 18:16:16 | Track (-430.1, 146.0) | <small>© 08/19 16:00:00</small> | # AR 11271 cont.                              |       |      |     |     |                    |       |            |          |  |
| 08/19 18:28:46 - 08/20 06:01:46 | Track (-411.1, 144.7) | <small>© 08/19 18:26:00</small> | # AR 11271 (HOP 191 from 18UT-21UT).          |       |      |     |     |                    |       |            |          |  |
| 08/20 06:24:16 - 08/23 11:00:00 | Track (-314.6, 139.5) | <small>© 08/20 06:21:30</small> | # AR 11271 cont.                              |       |      |     |     |                    |       |            |          |  |
| Open/ <i>Ti</i> -poly           | Open/thick- <i>Al</i> | 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 |  |

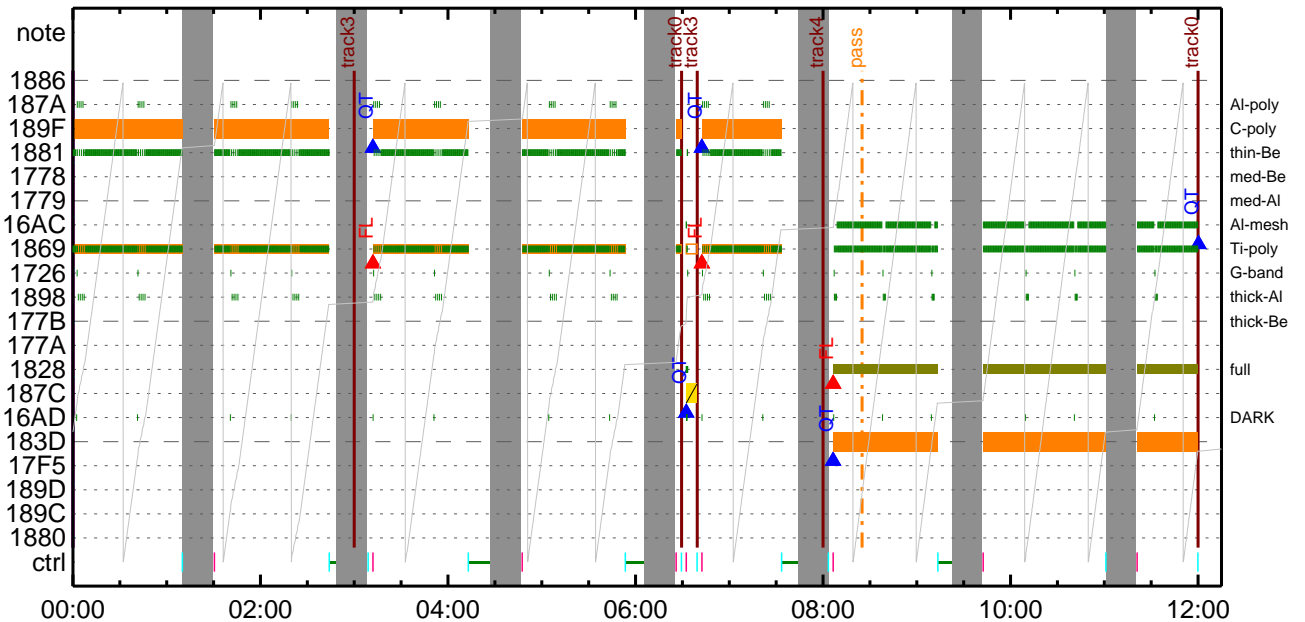
### CMDI #0092 2011/08/18



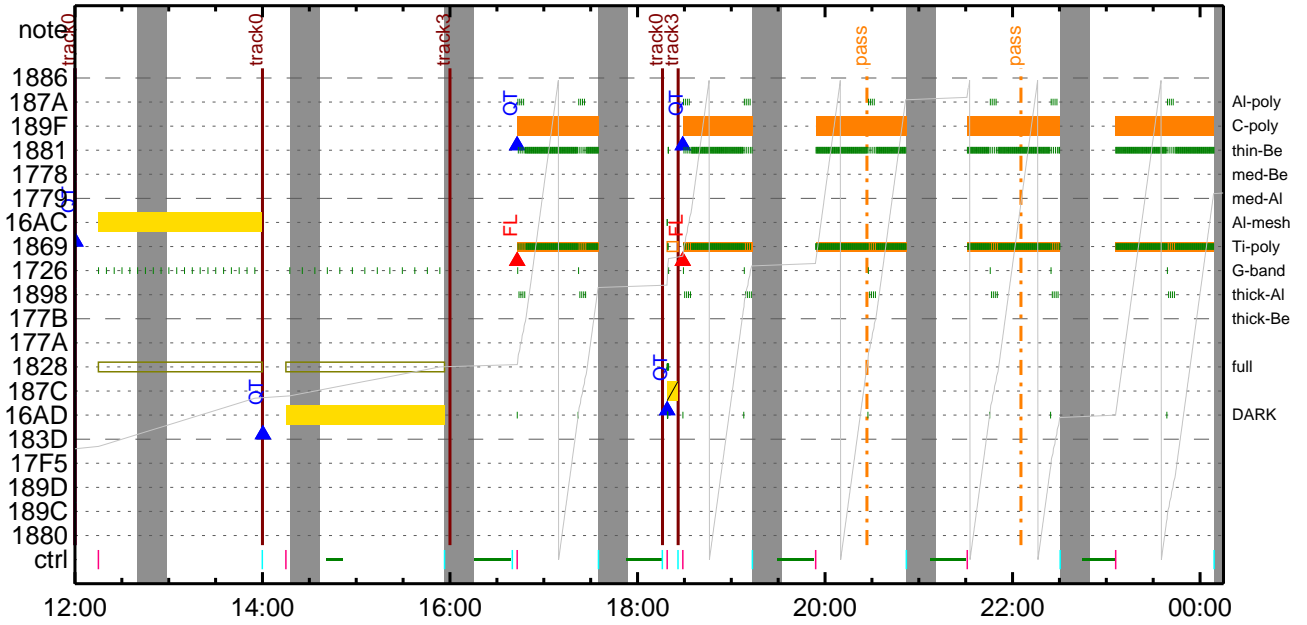
### CMDI #0092 2011/08/18



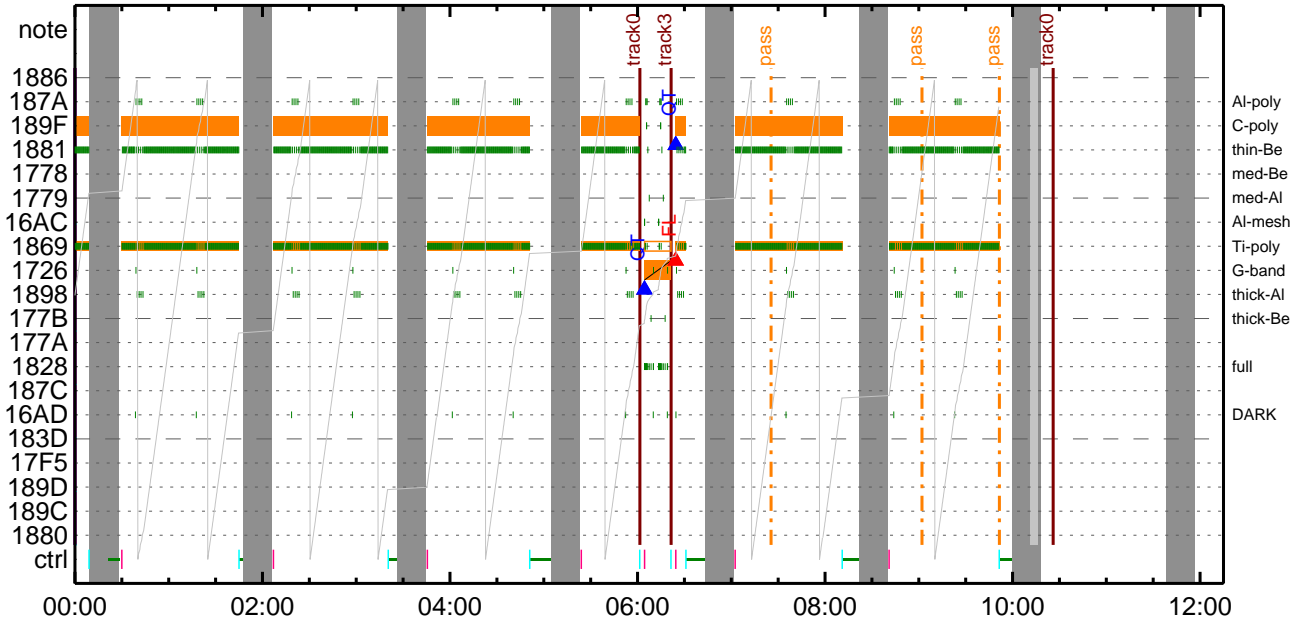
### CMDI #0092 2011/08/19



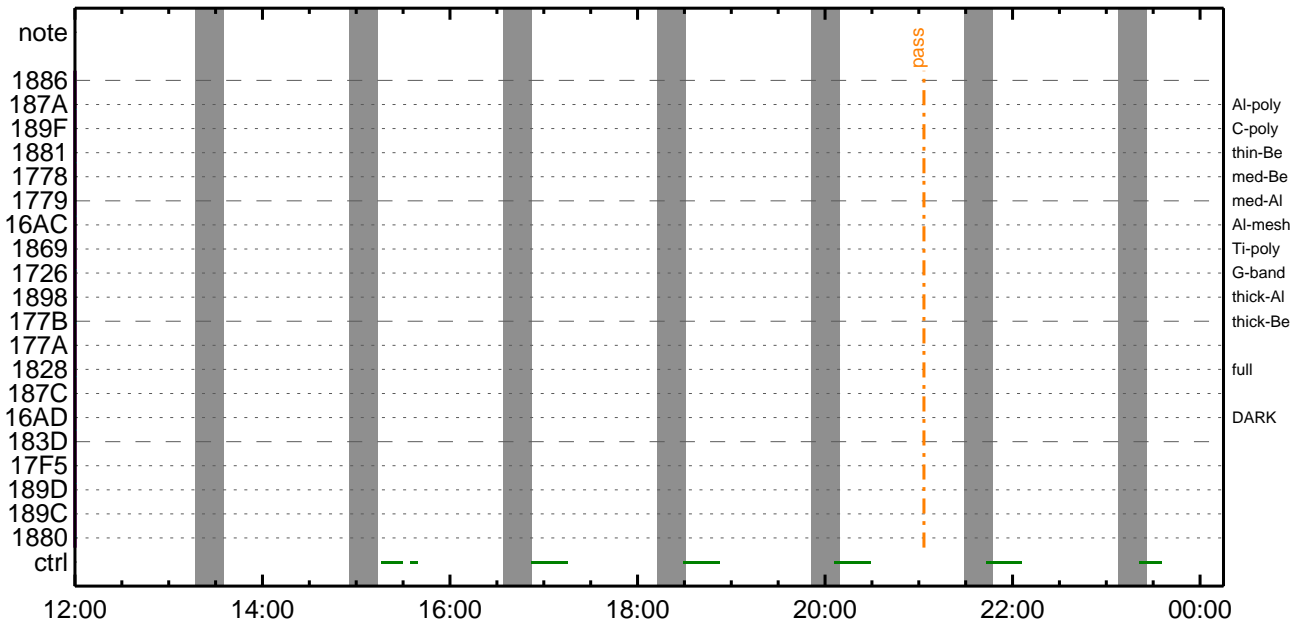
CMDI #0092 2011/08/19



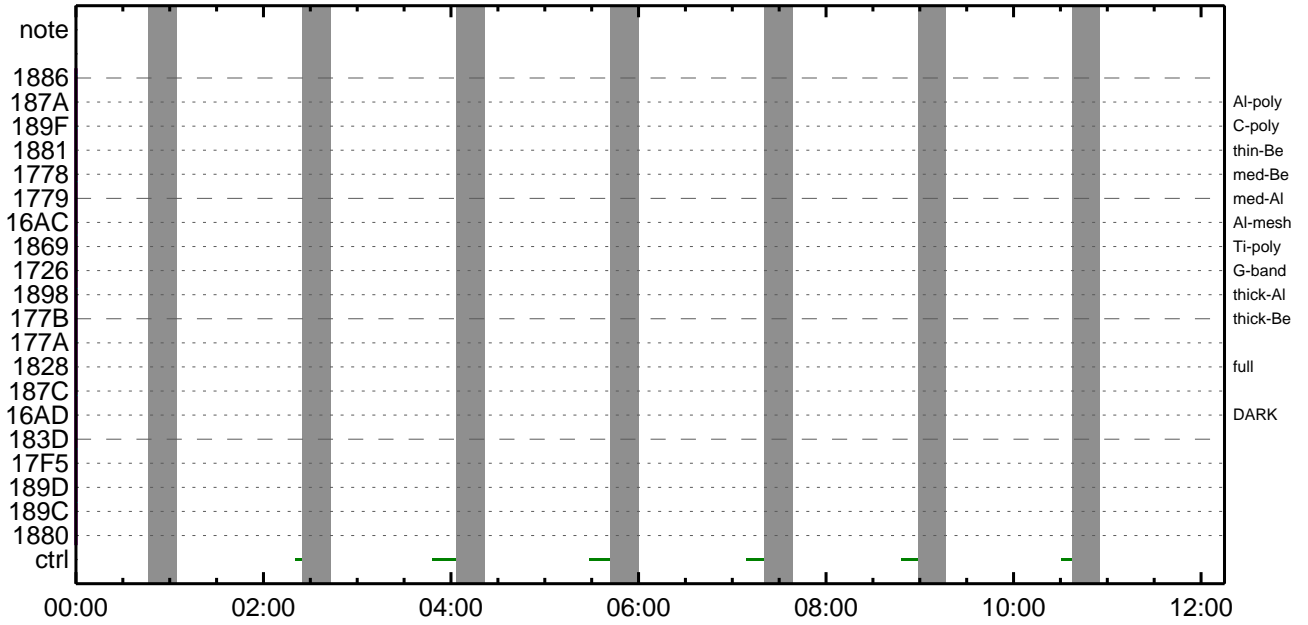
CMDI #0092 2011/08/20



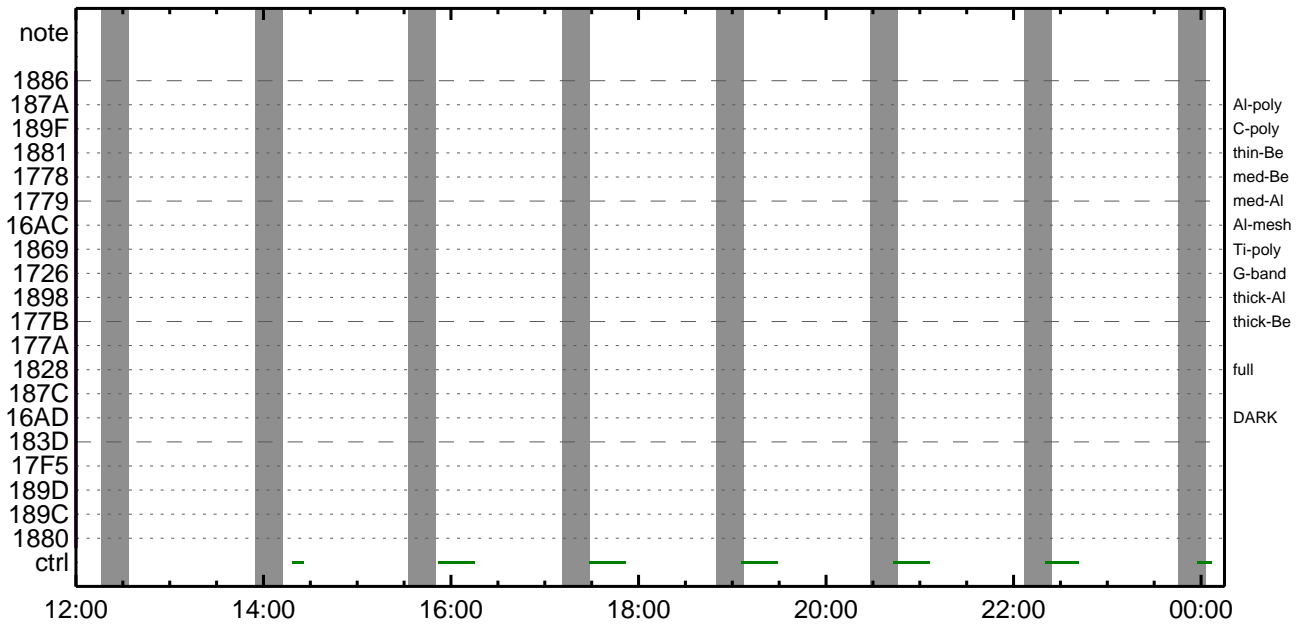
CMDI #0092 2011/08/20



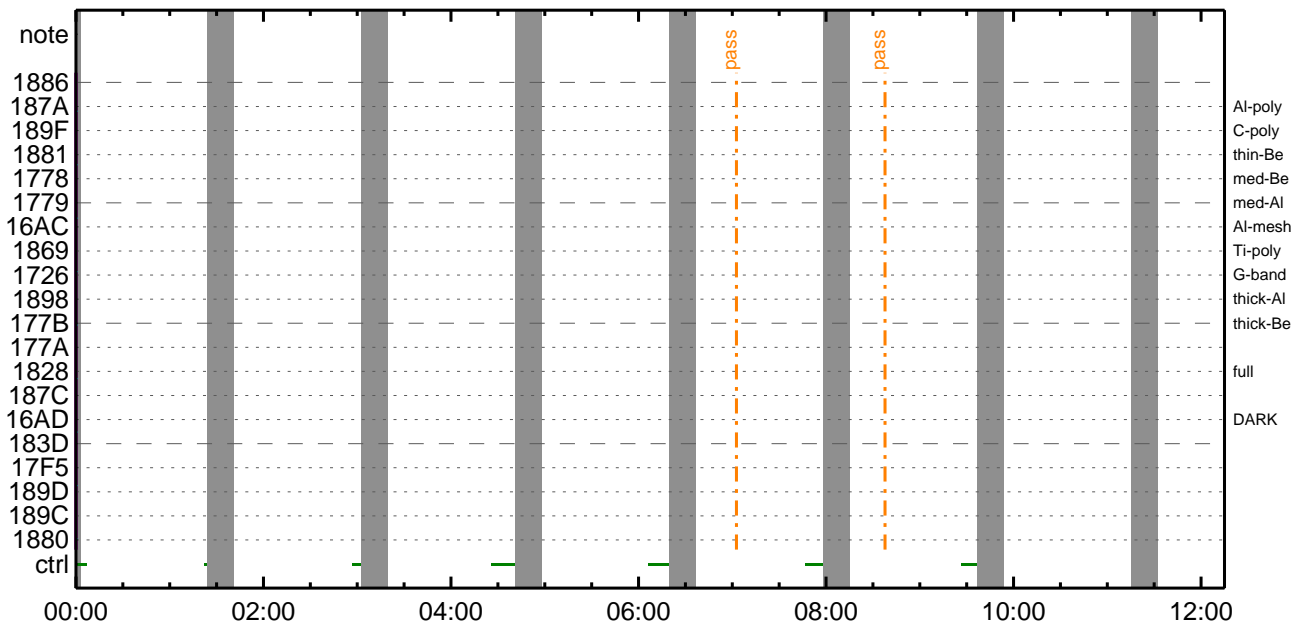
CMDI #0092 2011/08/21



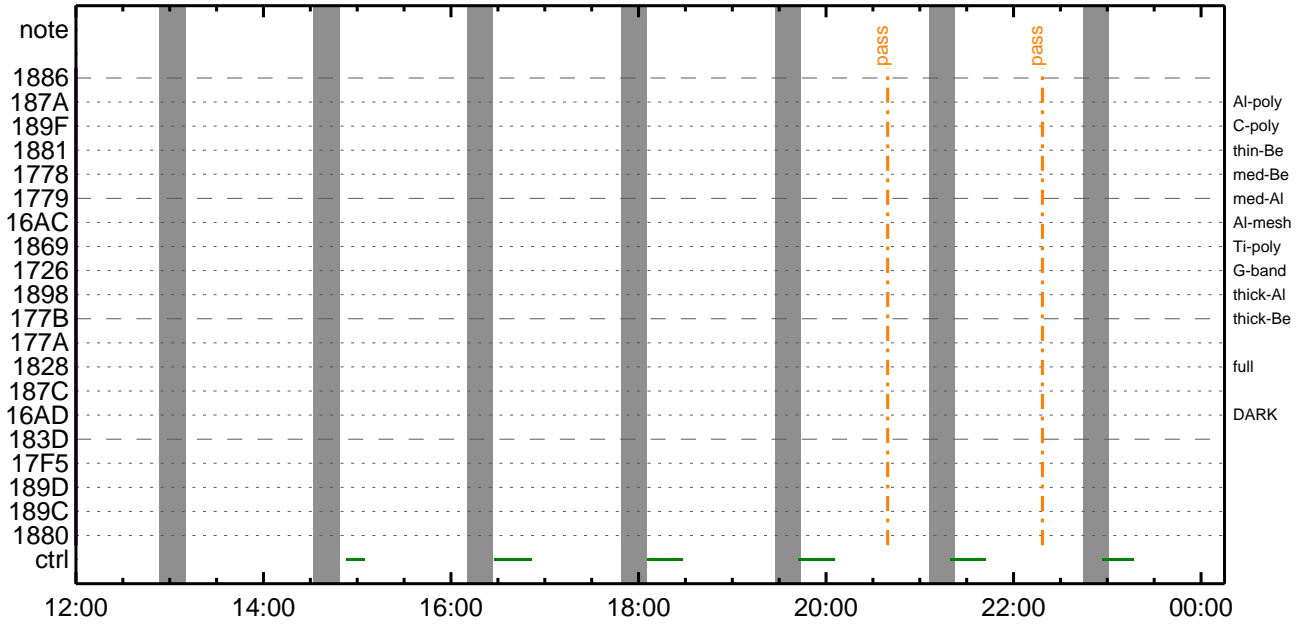
CMDI #0092 2011/08/21



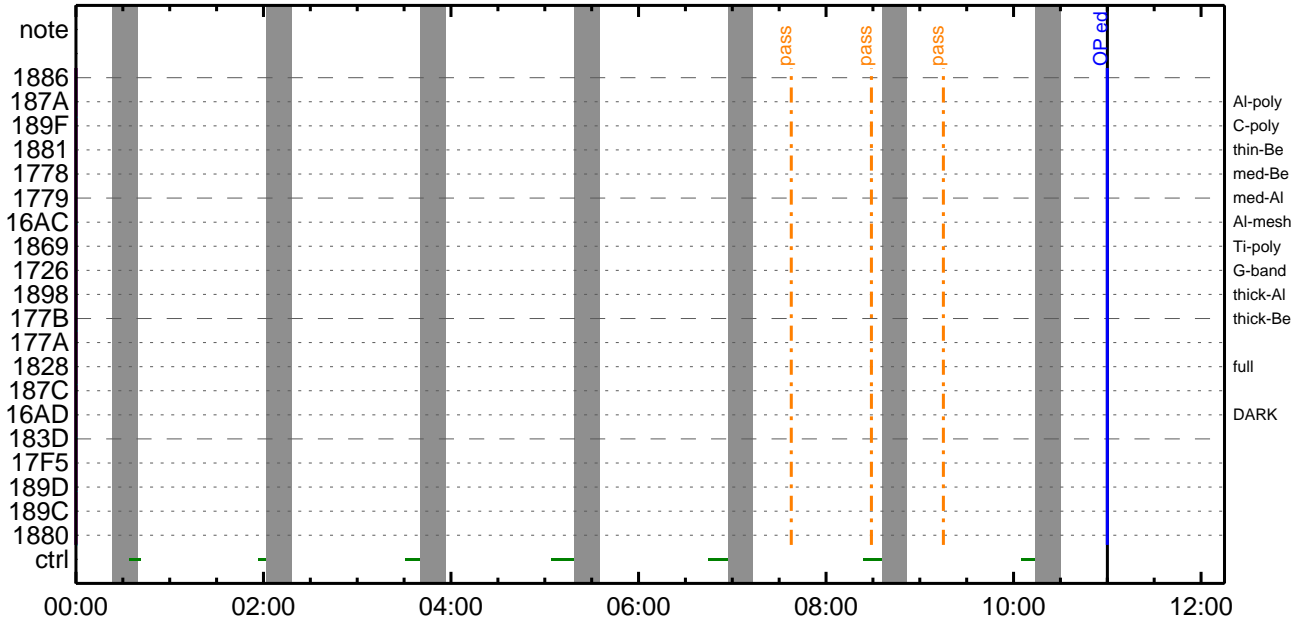
CMDI #0092 2011/08/22



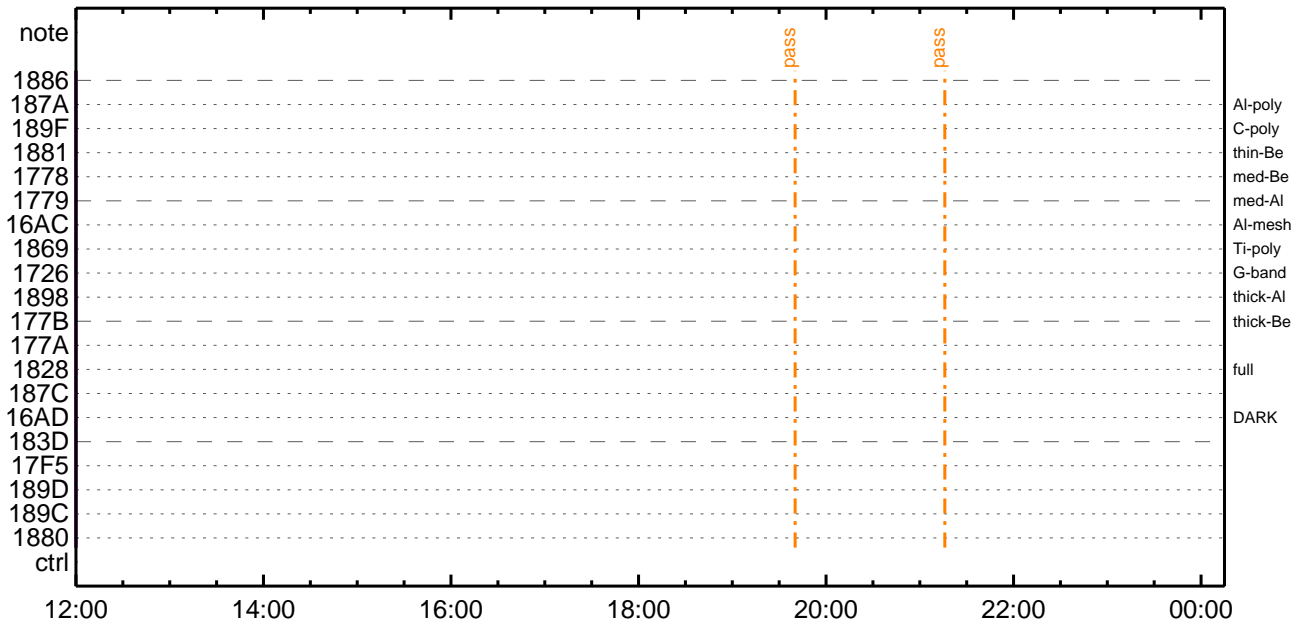
CMDI #0092 2011/08/22



CMDI #0092 2011/08/23



CMDI #0092 2011/08/23







0096 C.  
0097 C.  
0098 C. \*\*\*\*\*  
0099 C. OP/OGY1;4YE;ã  
0100 C. \*\*\*\*\*  
0101 C.  
0102 C. ;ãOP/OGY1;4YE;ã  
0103 S. OP op-266:OP  
0104 (  
0105 S. OG og-266:OG  
0106 (  
0107 C.  
0108 C. ;ãNMOG&OPfî°èYAYôYx;ã  
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)  
0110 +. DC 01-23 DHU\_DMA\_DMP\_PRM\_SET  
0111 BC (20 00 7f 01 02)  
0112 C. çç[HK1\_DMP\_TOP\_ADRS\_1] EQ 40  
0113 C. çç[HK1\_DMP\_TOP\_ADRS\_0] EQ 0  
0114 C. çç[HK1\_DMP\_BLOCK\_NUM] EQ 127  
0115 C. çç[HK1\_DMP\_REPEAT\_NUM] EQ 0  
0116 C. çç[HK1\_DMA\_DMP\_PIM] EQ DHU  
0117 +. DC 01-22 DHU\_MODE\_CHNG  
0118 BC (07 0b f8)  
0119 C. çç[HK1\_PKT\_FORM\_NO] EQ 7  
0120 C. çç[HK1\_PKT\_GEN\_TIME] EQ 0.25 s  
0121 C. çç[HK1\_S\_TLM\_BIT\_RATE] EQ 32k  
0122 C. çç[HK1\_X\_TLM\_BIT\_RATE] EQ 4M  
0123 C. çç[HK1\_DMP\_CHK\_FLG] EQ EXEC  
0124 C. YAYôYx½ªî»ò³îÇ§  
0125 C. çç[HK1\_DMP\_CHK\_FLG] EQ NON  
0126 C. RAM ID=NMOG²î½Ë¹ç•è²îOKò³îÇ§  
0127 C.  
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)  
0129 +. DC 01-23 DHU\_DMA\_DMP\_PRM\_SET  
0130 BC (20 80 7f 01 02)  
0131 C. çç[HK1\_DMP\_TOP\_ADRS\_1] EQ 41  
0132 C. çç[HK1\_DMP\_TOP\_ADRS\_0] EQ 0  
0133 C. çç[HK1\_DMP\_BLOCK\_NUM] EQ 127  
0134 C. çç[HK1\_DMP\_REPEAT\_NUM] EQ 0  
0135 C. çç[HK1\_DMA\_DMP\_PIM] EQ DHU  
0136 +. DC 01-22 DHU\_MODE\_CHNG  
0137 BC (07 0b f8)  
0138 C. çç[HK1\_PKT\_FORM\_NO] EQ 7  
0139 C. çç[HK1\_PKT\_GEN\_TIME] EQ 0.25 s  
0140 C. çç[HK1\_S\_TLM\_BIT\_RATE] EQ 32k  
0141 C. çç[HK1\_X\_TLM\_BIT\_RATE] EQ 4M  
0142 C. çç[HK1\_DMP\_CHK\_FLG] EQ EXEC  
0143 C. YAYôYx½ªî»ò³îÇ§  
0144 C. çç[HK1\_DMP\_CHK\_FLG] EQ NON  
0145 C. RAM ID=NMOG²î½Ë¹ç•è²îOKò³îÇ§  
0146 C.  
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)  
0148 +. DC 01-23 DHU\_DMA\_DMP\_PRM\_SET  
0149 BC (21 00 41 01 02)  
0150 C. çç[HK1\_DMP\_TOP\_ADRS\_1] EQ 42  
0151 C. çç[HK1\_DMP\_TOP\_ADRS\_0] EQ 0  
0152 C. çç[HK1\_DMP\_BLOCK\_NUM] EQ 65  
0153 C. çç[HK1\_DMP\_REPEAT\_NUM] EQ 0  
0154 C. çç[HK1\_DMA\_DMP\_PIM] EQ DHU  
0155 +. DC 01-22 DHU\_MODE\_CHNG  
0156 BC (07 0b f8)  
0157 C. çç[HK1\_PKT\_FORM\_NO] EQ 7  
0158 C. çç[HK1\_PKT\_GEN\_TIME] EQ 0.25 s  
0159 C. çç[HK1\_S\_TLM\_BIT\_RATE] EQ 32k  
0160 C. çç[HK1\_X\_TLM\_BIT\_RATE] EQ 4M  
0161 C. çç[HK1\_DMP\_CHK\_FLG] EQ EXEC  
0162 C. YAYôYx½ªî»ò³îÇ§  
0163 C. çç[HK1\_DMP\_CHK\_FLG] EQ NON  
0164 C. RAM ID=NMOG, RAM ID=OP²î½Ë¹ç•è²îOKò³îÇ§  
0165 C.  
0166 C. \*\*\*\*\* °Ê²¼òî½Ã´¶Á°òÊË¬ò°Á÷¿@ (½âµ-YAYôYx½ê½çòðÁÓæòÇ½ª°²òè½î¹çòçòâ) \*\*\*\*\*  
0167 C. DHUYâ;½YE;Ê½Y½;Yî;½YE;Ëòðîã¹  
0168 +. DC 01-22 DHU\_MODE\_CHNG  
0169 BC (02 0a f8)  
0170 C. çç[HK1\_PKT\_FORM\_NO] EQ 2  
0171 C. çç[HK1\_PKT\_GEN\_TIME] EQ 0.5S  
0172 C. çç[HK1\_S\_TLM\_BIT\_RATE] EQ 32K  
0173 C. çç[HK1\_X\_TLM\_BIT\_RATE] EQ 4M  
0174 C.  
0175 C. \*\*\*\*\*  
0176 C. TI-CMD SET (OPOG STOP/COPY/START)  
0177 C. \*\*\*\*\*  
0178 C.  
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î½î¹ç;ç°Ê²¼òî½TI-CMDÁ÷¿@²î½î¹çòçòâ³òË;f  
0180 C. ²òç¿;çSET²EDUMP²î½±°î½Y¹ç¹ç¹ç²î½³òç;f  
0181 C.  
0182 C. TIY³Y½YôYËòðÁî¿¿(UT)  
0183 +. TI 2011-08-18 10:35:00.0  
0184 DC 01-B3 DHU\_OP\_STOP  
0185 C. çç[HK1\_TI\_CMD\_NUM] EQ 1COUNTUP  
0186 C.  
0187 +. TI 2011-08-18 10:35:01.0  
0188 DC 01-B4 DHU\_OP\_COPY  
0189 C. çç[HK1\_TI\_CMD\_NUM] EQ 1COUNTUP  
0190 C.  
0191 +. TI 2011-08-18 10:35:01.0  
0192 DC 01-B5 DHU\_OPOG\_COPY  
0193 C. çç[HK1\_TI\_CMD\_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2011-08-18 10:39:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]           EQ      1COUNTUP
0198 C.
0199 C. °È²¼îÏÄè%îíñöîî¥Å¥$¥Å¥~¹àîÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]        EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]           EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]        EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]        EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°è¥Å¥ø¥×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;$ 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. ¥Å¥ø¥×½ªî»ò³îçš
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLîî¼È¹ç•è²îOKîò³îçš
0229 C.
0230 C. DHU¥â;¼¥È;È¼½¥; ¥î;¼¥È;Èòðîäî¹
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. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2011-08-18 10:39:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC          (21 02)
0247 +. TI 2011-08-18 10:39:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC          (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2011-08-18 10:39:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC          (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP ˆûÃîîî»ò¼¼îèÄð¹îèDCBC•×²è *****
0265 C. (¼å°îî¥Ó¥Ä¥È¥Ï¥È¥á¥ç¥èèè¼¼å»Ûî¹îè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ¥D¥¹•î Dailyîîîîñöîîè°¹îèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. îäLOS¥Å¥$¥Å¥~¼Ä»Û;ä
0276 C.
0277 C. ***** LOS *****
0278 C.

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0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 05 85 83 08 08)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 85 83 06 06)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 85 83 08 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 80 80 08 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 20 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 80 80 20 08)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 80 80 08 20)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0c 80 60 20 18)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0d a0 80 18 20)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0f 80 80 06 06)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 10 80 80 08 08)
0146 + DC 07-F0 MDP_XRT_FLD_ENA
0147 BC (d8)
0148 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0149 BC (c8)
0150 + DC 07-F0 MDP_XRT_ARS_DIS
0151 BC (d5)
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 14)
0154 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0155 BC (c5 08)
0156 . C. ----- Success Verify ? OK / NG ____
0157 C.
0158 C.
0159 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0160 C.
0161 +. DC 07-F0 MDP_XRT_MODE_OBSV
0162 BC (c2)
0163 +. TI 2011-08-18 10:39:02.0
0164 DC 07-F0 MDP_XRT_MODE_OBSV
0165 BC (c2)
0166 . C. ----- Success Verify ? OK / NG ____
0167 C.
0168 C. ***** XRT END *****
0169 C.
0170 . C. ***** MDP 'úÃîîî»ö¼ÝðÊÃð¹ñèDCBC•x²è *****
0171 C. (%ã°îÿÖÿÄÿËÿÏÿÛÿäÿçÿèè¼¼¼¼¼»Û¹ñè)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ÝÐÿ¹•Ï Daily±¿ÎÑñË'Ø¹ñèDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

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Aug 18, 11 12:46

XRT\_OGLIST\_0092.chk

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

|            |            |                                   |   |       |                   |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|-------------------|--|--|--|--|
| 2011/08/18 | 10:49:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 10:50:00.0 | AOCS_ORe-point_Start_1_OG [0x097] |   |       |                   |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 04 00 00 00 00    |  |  |  |  |
| 2011/08/18 | 10:52:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                   |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00       |  |  |  |  |
| 2011/08/18 | 10:52:46.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8                |  |  |  |  |
| 2011/08/18 | 10:52:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8                |  |  |  |  |
| 2011/08/18 | 10:52:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0                |  |  |  |  |
| 2011/08/18 | 10:52:52.0 | XRT_ARS_DIS_431_OG [0x1af]        |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |  |
| 2011/08/18 | 10:52:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |  |
| 2011/08/18 | 10:52:56.0 | XRT_QT_PROG_SET_434_OG [0x1b2]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 14             |  |  |  |  |
| 2011/08/18 | 10:52:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 08             |  |  |  |  |
| 2011/08/18 | 10:53:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |  |
| 2011/08/18 | 11:59:00.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 12:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] |   |       |                   |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 02 00 00 00 00    |  |  |  |  |
| 2011/08/18 | 12:22:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 12:25:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                   |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00       |  |  |  |  |
| 2011/08/18 | 12:25:46.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8                |  |  |  |  |
| 2011/08/18 | 12:25:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8                |  |  |  |  |
| 2011/08/18 | 12:25:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0                |  |  |  |  |
| 2011/08/18 | 12:25:52.0 | XRT_ARS_DIS_431_OG [0x1af]        |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |  |
| 2011/08/18 | 12:25:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |  |
| 2011/08/18 | 12:25:56.0 | XRT_ROI_A_440_OG [0x1b8]          |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 05 85 83 06 06 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 06 85 83 06 06 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 08 80 80 08 08 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 09 80 80 20 20 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0a 80 80 20 08 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0b 80 80 08 20 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0c 80 60 20 18 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0d a0 80 18 20 |  |  |  |  |
| 2011/08/18 | 12:25:56.5 | XRT_ROI_B_404_OG [0x194]          |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0d a0 80 18 20 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 0f 80 80 06 06 |  |  |  |  |
|            |            | MDP_XRT_ROI_SET                   | 6 | 07-F0 | cd 10 80 80 08 08 |  |  |  |  |
| 2011/08/18 | 12:26:01.5 | XRT_QT_PROG_SET_448_OG [0x1c0]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12             |  |  |  |  |
| 2011/08/18 | 12:26:03.5 | XRT_FL_PROG_SET_420_OG [0x1a4]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0d             |  |  |  |  |
| 2011/08/18 | 12:26:05.5 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |  |
| 2011/08/18 | 13:40:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 13:40:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |  |
| 2011/08/18 | 13:40:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8                |  |  |  |  |
| 2011/08/18 | 13:43:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9                |  |  |  |  |
| 2011/08/18 | 14:00:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                   |  |  |  |  |
| 2011/08/18 | 14:01:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |  |
| 2011/08/18 | 14:07:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 14:07:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |  |
| 2011/08/18 | 14:07:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8                |  |  |  |  |
| 2011/08/18 | 14:10:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9                |  |  |  |  |
| 2011/08/18 | 14:11:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                   |  |  |  |  |
| 2011/08/18 | 14:12:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |  |
| 2011/08/18 | 15:19:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |  |
| 2011/08/18 | 15:19:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |  |
| 2011/08/18 | 15:19:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8                |  |  |  |  |
| 2011/08/18 | 15:22:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                   |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9                |  |  |  |  |
| 2011/08/18 | 16:02:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                   |  |  |  |  |
| 2011/08/18 | 16:03:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                   |  |  |  |  |

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|            |            |                                   |                                   |   |       |                |  |  |  |
|------------|------------|-----------------------------------|-----------------------------------|---|-------|----------------|--|--|--|
| 2011/08/18 | 16:57:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 16:57:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | da             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
| 2011/08/18 | 16:57:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
| 2011/08/18 | 17:00:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
| 2011/08/18 | 17:39:30.0 | XRT_Custom_418_OG [0x1a2]         | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |
| 2011/08/18 | 17:40:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 17:56:24.0 | XRT_CTRL_MANU_400_OG [0x190]      | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 17:56:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |
|            |            |                                   | MDP_XRT_FOCUS_POSITION            | 4 | 07-F8 | 22 ff aa 00    |  |  |  |
| 2011/08/18 | 17:56:30.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |
|            |            |                                   | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |
| 2011/08/18 | 17:56:46.0 | XRT_FLD_DIS_402_OG [0x192]        | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |
| 2011/08/18 | 17:56:48.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |
|            |            |                                   | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |
| 2011/08/18 | 17:56:50.0 | XRT_ARS_DIS_438_OG [0x1b6]        | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
|            |            |                                   | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
| 2011/08/18 | 17:59:28.0 | XRT_QT_PROG_SET_410_OG [0x19a]    | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 07          |  |  |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 07          |  |  |  |
| 2011/08/18 | 17:59:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 18:06:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | AOCS_ORe-point_Start_4_OG [0x09a] |   |       |                |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 18:06:30.0 | AOCS_ORe-point_Start_4_OG [0x09a] | AOCU_NM                           | 5 | 02-76 | 03 00 00 00 00 |  |  |  |
|            |            |                                   | AOCU_NM                           | 5 | 02-76 | 03 00 00 00 00 |  |  |  |
| 2011/08/18 | 18:08:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
|            |            |                                   | MDP_XRT_FOCUS_POSITION            | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
| 2011/08/18 | 18:09:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |
| 2011/08/18 | 18:09:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |
| 2011/08/18 | 18:09:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |
|            |            |                                   | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |
| 2011/08/18 | 18:09:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
|            |            |                                   | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
| 2011/08/18 | 18:09:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
| 2011/08/18 | 18:09:26.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12          |  |  |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12          |  |  |  |
| 2011/08/18 | 18:09:28.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0d          |  |  |  |
|            |            |                                   | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0d          |  |  |  |
| 2011/08/18 | 18:09:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 18:36:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 18:36:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
| 2011/08/18 | 18:36:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
| 2011/08/18 | 18:39:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
| 2011/08/18 | 19:16:30.0 | XRT_Custom_418_OG [0x1a2]         | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |
| 2011/08/18 | 19:17:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 20:14:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 20:14:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
| 2011/08/18 | 20:14:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |
| 2011/08/18 | 20:17:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |
| 2011/08/18 | 20:53:30.0 | XRT_Custom_418_OG [0x1a2]         | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |
| 2011/08/18 | 20:54:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 20:59:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | AOCS_ORe-point_Start_2_OG [0x098] |   |       |                |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |
| 2011/08/18 | 21:00:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | AOCU_NM                           | 5 | 02-76 | 02 00 00 00 00 |  |  |  |
|            |            |                                   | AOCU_NM                           | 5 | 02-76 | 02 00 00 00 00 |  |  |  |
| 2011/08/18 | 21:02:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
|            |            |                                   | MDP_XRT_FOCUS_POSITION            | 4 | 07-F8 | 22 fe 97 00    |  |  |  |
| 2011/08/18 | 21:02:46.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |
| 2011/08/18 | 21:02:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |
| 2011/08/18 | 21:02:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |
|            |            |                                   | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |
| 2011/08/18 | 21:02:52.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
|            |            |                                   | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |
| 2011/08/18 | 21:02:54.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |
| 2011/08/18 | 21:02:56.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12          |  |  |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 12          |  |  |  |
| 2011/08/18 | 21:02:58.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0d          |  |  |  |
|            |            |                                   | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 0d          |  |  |  |
| 2011/08/18 | 21:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |



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|            |            |                                   |                     |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2011/08/18 | 21:53:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/18 | 21:53:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/18 | 21:53:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/18 | 21:56:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/18 | 22:29:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |  |  |
| 2011/08/18 | 22:30:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/18 | 23:31:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/18 | 23:31:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/18 | 23:31:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/18 | 23:34:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/18 | 23:55:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |  |  |
| 2011/08/18 | 23:56:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/19 | 01:10:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 01:10:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/19 | 01:10:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/19 | 01:13:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/19 | 01:29:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |  |  |
| 2011/08/19 | 01:30:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/19 | 02:44:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 02:44:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/19 | 02:44:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/19 | 02:47:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/19 | 03:00:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 03 00 00 00 00 |  |  |  |  |
| 2011/08/19 | 03:08:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 03:11:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/08/19 | 03:11:46.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |  |  |
| 2011/08/19 | 03:11:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |  |  |
| 2011/08/19 | 03:11:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |  |  |
| 2011/08/19 | 03:11:52.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/08/19 | 03:11:54.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/19 | 03:11:56.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 12          |  |  |  |  |
| 2011/08/19 | 03:11:58.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d          |  |  |  |  |
| 2011/08/19 | 03:12:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/19 | 04:13:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 04:13:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/19 | 04:13:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/19 | 04:16:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/19 | 04:46:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |  |  |
| 2011/08/19 | 04:47:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/19 | 05:53:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 05:53:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/08/19 | 05:53:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/08/19 | 05:56:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/08/19 | 06:25:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |  |  |
| 2011/08/19 | 06:26:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/08/19 | 06:29:24.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/08/19 | 06:29:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2011/08/19 | 06:29:30.0 | AOCS_ORe-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2011/08/19 | 06:29:46.0 | XRT_FLD_DIS_402_OG [0x192]        |                     |   |       |                |  |  |  |  |

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|            |            |                                   |                     |   |       |    |    |    |    |
|------------|------------|-----------------------------------|---------------------|---|-------|----|----|----|----|
| 2011/08/19 | 06:29:48.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |    |    |    |
|            |            |                                   | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |    |    |    |
| 2011/08/19 | 06:29:50.0 | XRT_ARS_DIS_438_OG [0x1b6]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |
| 2011/08/19 | 06:32:28.0 | XRT_QT_PROG_SET_410_OG [0x19a]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 07 |    |    |
| 2011/08/19 | 06:32:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/08/19 | 06:39:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 06:39:30.0 | AOCs_OrE-point_Start_4_OG [0x09a] |                     |   |       |    |    |    |    |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 03 | 00 | 00 | 00 |
| 2011/08/19 | 06:41:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |                     |   |       |    |    |    |    |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2011/08/19 | 06:42:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |    |
| 2011/08/19 | 06:42:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |    |
| 2011/08/19 | 06:42:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |    |
| 2011/08/19 | 06:42:22.0 | XRT_ARS_DIS_431_OG [0x1af]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |
| 2011/08/19 | 06:42:24.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/08/19 | 06:42:26.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 12 |    |    |
| 2011/08/19 | 06:42:28.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |    |    |
| 2011/08/19 | 06:42:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/08/19 | 07:33:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 07:33:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/08/19 | 07:33:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/08/19 | 07:36:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/08/19 | 08:00:00.0 | AOCs_OrE-point_Start_1_OG [0x097] |                     |   |       |    |    |    |    |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 04 | 00 | 00 | 00 |
| 2011/08/19 | 08:03:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 08:05:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |                     |   |       |    |    |    |    |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2011/08/19 | 08:06:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |    |
| 2011/08/19 | 08:06:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |    |
| 2011/08/19 | 08:06:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |    |
| 2011/08/19 | 08:06:22.0 | XRT_ARS_DIS_431_OG [0x1af]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |
| 2011/08/19 | 08:06:24.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/08/19 | 08:06:26.0 | XRT_QT_PROG_SET_423_OG [0x1a7]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 05 |    |    |
| 2011/08/19 | 08:06:28.0 | XRT_FL_PROG_SET_414_OG [0x19e]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 |    |    |
| 2011/08/19 | 08:06:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/08/19 | 09:13:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 09:13:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/08/19 | 09:13:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/08/19 | 09:16:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/08/19 | 09:41:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |    |    |    |
| 2011/08/19 | 09:42:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/08/19 | 11:01:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 11:01:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/08/19 | 11:01:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/08/19 | 11:04:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/08/19 | 11:20:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |    |    |    |
| 2011/08/19 | 11:21:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/08/19 | 11:59:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/08/19 | 11:59:56.0 | XRT_FOCUS_POSITION_445_OG [0x1bd] |                     |   |       |    |    |    |    |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2011/08/19 | 12:00:00.0 | AOCs_OrE-point_Start_5_OG [0x09b] |                     |   |       |    |    |    |    |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 00 | ac | 00 | 00 |
| 2011/08/19 | 12:00:16.0 | XRT_QT_PROG_SET_429_OG [0x1ad]    |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0e |    |    |
| 2011/08/19 | 12:00:18.0 | XRT_FLD_DIS_425_OG [0x1a9]        |                     |   |       |    |    |    |    |
|            |            |                                   | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |    |    |    |

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|            |            |                                   |                     |   |       |                |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2011/08/19 | 12:00:20.0 | XRT_FLRCTRL_DIS_432_OG [0x1b0]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2011/08/19 | 12:00:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/08/19 | 12:15:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/08/19 | 13:59:54.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 13:59:56.0 | XRT_FOCUS_POSITION_445_OG [0x1bd] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2011/08/19 | 14:00:00.0 | AOCS_OrE-point_Start_6_OG [0x09c] | AOCU_NM             | 5 | 02-76 | 00 00 00 54 00 |  |
| 2011/08/19 | 14:00:16.0 | XRT_QT_PROG_SET_444_OG [0x1bc]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06          |  |
| 2011/08/19 | 14:00:18.0 | XRT_FLD_DIS_425_OG [0x1a9]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2011/08/19 | 14:00:20.0 | XRT_FLRCTRL_DIS_432_OG [0x1b0]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2011/08/19 | 14:00:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/08/19 | 14:15:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/08/19 | 15:56:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 15:56:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/08/19 | 15:56:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/08/19 | 15:59:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/08/19 | 16:00:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 03 00 00 00 00 |  |
| 2011/08/19 | 16:39:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 16:42:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2011/08/19 | 16:42:46.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/08/19 | 16:42:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/08/19 | 16:42:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/08/19 | 16:42:52.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/08/19 | 16:42:54.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/08/19 | 16:42:56.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 12          |  |
| 2011/08/19 | 16:42:58.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d          |  |
| 2011/08/19 | 16:43:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/08/19 | 17:35:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 17:35:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/08/19 | 17:35:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/08/19 | 17:38:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/08/19 | 18:15:54.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 18:15:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/08/19 | 18:16:00.5 | AOCS_OrE-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |
| 2011/08/19 | 18:16:16.0 | XRT_FLD_DIS_402_OG [0x192]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2011/08/19 | 18:16:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2011/08/19 | 18:16:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/08/19 | 18:18:58.0 | XRT_QT_PROG_SET_410_OG [0x19a]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 07          |  |
| 2011/08/19 | 18:19:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/08/19 | 18:25:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/08/19 | 18:26:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM             | 5 | 02-76 | 03 00 00 00 00 |  |
| 2011/08/19 | 18:28:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2011/08/19 | 18:28:46.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/08/19 | 18:28:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/08/19 | 18:28:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/08/19 | 18:28:52.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/08/19 | 18:28:54.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/08/19 | 18:28:56.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    |                     |   |       |                |  |

|            |            |                                   |                     |   |       |    |             |
|------------|------------|-----------------------------------|---------------------|---|-------|----|-------------|
| 2011/08/19 | 18:28:58.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 12          |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d          |
| 2011/08/19 | 18:29:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/19 | 19:13:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/19 | 19:13:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/19 | 19:13:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/19 | 19:16:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/19 | 19:53:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/19 | 19:54:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/19 | 20:52:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/19 | 20:52:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/19 | 20:52:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/19 | 20:55:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/19 | 21:30:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/19 | 21:31:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/19 | 22:30:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/19 | 22:30:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/19 | 22:30:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/19 | 22:33:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/19 | 23:05:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/19 | 23:06:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/20 | 00:09:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/20 | 00:09:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/20 | 00:09:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/20 | 00:12:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/20 | 00:29:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/20 | 00:30:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/20 | 01:45:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/20 | 01:45:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/20 | 01:45:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/20 | 01:48:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/20 | 02:06:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/20 | 02:07:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/20 | 03:20:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/20 | 03:20:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/20 | 03:20:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/20 | 03:23:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/20 | 03:44:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/20 | 03:45:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/20 | 04:51:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/20 | 04:51:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/08/20 | 04:51:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/08/20 | 04:54:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/08/20 | 05:23:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |    |             |
| 2011/08/20 | 05:24:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/08/20 | 06:01:24.0 | XRT_CTRL_MANU_400_OG [0x190]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/08/20 | 06:01:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff aa 00    |
| 2011/08/20 | 06:01:30.0 | AOCS_Ore-point_Start_3_OG [0x099] | AOCU_NM             | 5 | 02-76 | 00 | 00 00 00 00 |
| 2011/08/20 | 06:01:46.0 | XRT_FLD_DIS_402_OG [0x192]        | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |             |
| 2011/08/20 | 06:01:48.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |             |
| 2011/08/20 | 06:01:50.0 | XRT_ARS_DIS_438_OG [0x1b6]        |                     |   |       |    |             |

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|            |            |                                   |                           |   |       |                |
|------------|------------|-----------------------------------|---------------------------|---|-------|----------------|
| 2011/08/20 | 06:04:28.0 | XRT_QT_PROG_SET_447_OG [0x1bf]    | MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2011/08/20 | 06:04:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_QT_PROG_SET       | 2 | 07-F0 | c4 0c          |
| 2011/08/20 | 06:21:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_AUTO         | 1 | 07-F0 | c0             |
| 2011/08/20 | 06:21:30.0 | AOCS_ORe-point_Start_4_OG [0x09a] | MDP_XRT_CTRL_MANU         | 1 | 07-F0 | c1             |
| 2011/08/20 | 06:23:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] | AOCU_NM                   | 5 | 02-76 | 03 00 00 00 00 |
| 2011/08/20 | 06:24:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | XRT_FOCUS_POSITION        | 4 | 07-F8 | 22 fe 97 00    |
| 2011/08/20 | 06:24:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLD_ENA           | 1 | 07-F0 | d8             |
| 2011/08/20 | 06:24:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_FLRCTRL_ENA       | 1 | 07-F0 | c8             |
| 2011/08/20 | 06:24:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_AEC_RESET         | 1 | 07-F0 | d0             |
| 2011/08/20 | 06:24:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_ARS_DIS           | 1 | 07-F0 | d5             |
| 2011/08/20 | 06:24:26.0 | XRT_QT_PROG_SET_448_OG [0x1c0]    | MDP_XRT_FLD_RESET         | 1 | 07-F0 | da             |
| 2011/08/20 | 06:24:28.0 | XRT_FL_PROG_SET_420_OG [0x1a4]    | MDP_XRT_QT_PROG_SET       | 2 | 07-F0 | c4 12          |
| 2011/08/20 | 06:24:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_FL_PROG_SET       | 2 | 07-F0 | c5 0d          |
| 2011/08/20 | 06:31:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_AUTO         | 1 | 07-F0 | c0             |
| 2011/08/20 | 06:31:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_CTRL_MANU         | 1 | 07-F0 | c1             |
| 2011/08/20 | 06:31:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_FLD_RESET         | 1 | 07-F0 | da             |
| 2011/08/20 | 06:34:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STRT       | 1 | 07-F0 | e8             |
| 2011/08/20 | 07:01:30.0 | XRT_Custom_418_OG [0x1a2]         | MDP_XRT_PREFLR_STOP       | 1 | 07-F0 | e9             |
| 2011/08/20 | 07:02:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | XRT_Custom_418_OG [0x1a2] |   |       |                |
| 2011/08/20 | 08:11:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_AUTO         | 1 | 07-F0 | c0             |
| 2011/08/20 | 08:11:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_CTRL_MANU         | 1 | 07-F0 | c1             |
| 2011/08/20 | 08:11:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_FLD_RESET         | 1 | 07-F0 | da             |
| 2011/08/20 | 08:14:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STRT       | 1 | 07-F0 | e8             |
| 2011/08/20 | 08:40:00.0 | XRT_Custom_418_OG [0x1a2]         | MDP_XRT_PREFLR_STOP       | 1 | 07-F0 | e9             |
| 2011/08/20 | 08:41:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      | XRT_Custom_418_OG [0x1a2] |   |       |                |
| 2011/08/20 | 09:51:30.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_AUTO         | 1 | 07-F0 | c0             |
| 2011/08/20 | 09:51:32.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_CTRL_MANU         | 1 | 07-F0 | c1             |
| 2011/08/20 | 09:51:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_FLD_RESET         | 1 | 07-F0 | da             |
| 2011/08/20 | 09:54:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STRT       | 1 | 07-F0 | e8             |
| 2011/08/20 | 10:26:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | MDP_XRT_PREFLR_STOP       | 1 | 07-F0 | e9             |
|            |            | AOCU_NM                           |                           | 5 | 02-76 | 00 00 00 00 00 |