

# XRT Timeline to be uploaded on 2011/01/20

Period: 2011/01/20 09:40:00 - 2011/01/25 10:02:00

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## Normal mode

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| <b>XOB #1852: AR (Filter-Ratio) with PFB, thin-Be context, 384x384, 240s cad, offset</b>                                                                                                                                                                                                                                                                 |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--|--|--|--|--|-------------------------------------|--|--|--|--|--|
| Term                                                                                                                                                                                                                                                                                                                                                     | Pointing (x, y)                                    |  |  |  |  |  | Comment                             |  |  |  |  |  |
| 01/20 10:05:00 - 01/20 17:59:54                                                                                                                                                                                                                                                                                                                          | Track ( -310.5, 470.1) <sup>Ⓜ 01/20 09:50:00</sup> |  |  |  |  |  | # OP start + 10min, track AR 11147. |  |  |  |  |  |
| 01/20 18:13:00 - 01/21 06:01:54                                                                                                                                                                                                                                                                                                                          | Track ( -243.9, 472.5) <sup>Ⓜ 01/20 18:10:00</sup> |  |  |  |  |  | # Track AR 11147.                   |  |  |  |  |  |
| 01/21 06:15:00 - 01/21 18:04:54                                                                                                                                                                                                                                                                                                                          | Track ( -145.2, 475.2) <sup>Ⓜ 01/21 06:12:00</sup> |  |  |  |  |  | # Cont.                             |  |  |  |  |  |
| 01/22 05:49:00 - 01/22 09:16:00                                                                                                                                                                                                                                                                                                                          | Fixed ( 830.0, -467.0)                             |  |  |  |  |  | # Cont.                             |  |  |  |  |  |
| <b>PROG= 05 Inf.-time(s)</b>                                                                                                                                                                                                                                                                                                                             |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─ Subr= 1 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                              |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─ Seqn= 82 4-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                           |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 500ms 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                                                                                                                                                                                                                                                       |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─ Subr= 2 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                            |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─ Seqn= 13 20-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                        |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ 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 58.0sec                                                                                                                                                                                                                                                  |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Al-mesh Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec                                                                                                                                                                                                                                                   |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 58.0sec                                                                                                                                                                                                                                                  |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Al-mesh Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec                                                                                                                                                                                                                                                   |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 58.0sec                                                                                                                                                                                                                                                  |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Al-mesh Open/thick-Al close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 3 2.0sec                                                                                                                                                                                                                                                   |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| └─┬─┬─┬─ Open/Ti-poly Open/thick-Be close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 3 58.0sec                                                                                                                                                                                                                                                  |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
| <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 #183F: Synoptic Q95 2x2 - Al/mesh(64/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(181/4096) + G-band(16</b>                                                                                                                                                                                             |                   |  |  |  |  |  |                             |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|--|--|--|--|-----------------------------|--|--|--|--|--|
| Term                                                                                                                                                                                                                                                                                                                                                     | Pointing (x, y)   |  |  |  |  |  | Comment                     |  |  |  |  |  |
| 01/20 18:03:00 - 01/20 18:09:54                                                                                                                                                                                                                                                                                                                          | Fixed ( 0.0, 0.0) |  |  |  |  |  | synoptic                    |  |  |  |  |  |
| 01/21 06:05:00 - 01/21 06:11:54                                                                                                                                                                                                                                                                                                                          | Fixed ( 0.0, 0.0) |  |  |  |  |  | synoptic, shifted 2.0 min   |  |  |  |  |  |
| 01/21 18:08:00 - 01/21 18:14:54                                                                                                                                                                                                                                                                                                                          | Fixed ( 0.0, 0.0) |  |  |  |  |  | synoptic, shifted 5.0 min   |  |  |  |  |  |
| 01/22 05:39:00 - 01/22 05:45:54                                                                                                                                                                                                                                                                                                                          | Fixed ( 0.0, 0.0) |  |  |  |  |  | synoptic, shifted -24.0 min |  |  |  |  |  |
| <b>PROG= 17 1-time(s)</b>                                                                                                                                                                                                                                                                                                                                |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─ Subr= 1 1-time(s) 12.0sec                                                                                                                                                                                                                                                                                                                             |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─ Seqn= 69 1-time(s) 4.0sec                                                                                                                                                                                                                                                                                                                           |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec                                                                                                                                                                                                                                                     |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec                                                                                                                                                                                                                                                    |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─ Seqn= 5 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                            |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec                                                                                                                                                                                                                                                   |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec                                                                                                                                                                                                                                                   |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec                                                                                                                                                                                                                                                   |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec                                                                                                                                                                                                                                                    |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec                                                                                                                                                                                                                                                    |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─ Seqn= 28 1-time(s) 4.0sec                                                                                                                                                                                                                                                                                                                           |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec                                                                                                                                                                                                                                                    |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/Ti-poly Open/Ti-poly close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec                                                                                                                                                                                                                                                    |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─ Seqn= 4 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                            |                   |  |  |  |  |  |                             |  |  |  |  |  |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec                                                                                                                                                                                                                                                        |                   |  |  |  |  |  |                             |  |  |  |  |  |
| <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 #1854: Ti/poly short(256x256)/long(512x512) - 1min cad +Thin-Be, Al/Mesh-512x512- 1hr cad</b>                                                                                                                                                                                                                                                     |                        |  |  |  |  |  |                                 |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--|--|--|--|--|---------------------------------|--|--|--|--|--|
| Term                                                                                                                                                                                                                                                                                                                                                     | Pointing (x, y)        |  |  |  |  |  | Comment                         |  |  |  |  |  |
| 01/21 18:18:00 - 01/22 05:35:54                                                                                                                                                                                                                                                                                                                          | Fixed ( 830.0, -467.0) |  |  |  |  |  | # Observe AR 11148 near W limb. |  |  |  |  |  |
| <b>PROG= 19 Inf.-time(s)</b>                                                                                                                                                                                                                                                                                                                             |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─ Subr= 1 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                              |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─ Seqn= 61 1-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                           |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─┬─ Open/Al-mesh Open/Ti-poly close Safe Norm 500ms Obs 1x1 512x512 (1064, 1048) Q=98 3 0 2.0sec                                                                                                                                                                                                                                                      |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─┬─ thin-Be/Open med-Be/Open close Safe Norm 16.0s Obs 1x1 512x512 (1064, 1048) Q=98 3 0 2.0sec                                                                                                                                                                                                                                                       |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─ Subr= 2 60-time(s) 2.0sec                                                                                                                                                                                                                                                                                                                           |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─┬─ Seqn= 78 1-time(s) 60.0sec                                                                                                                                                                                                                                                                                                                        |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 250ms Obs 1x1 256x256 (1064, 1048) Q=98 3 0 2.0sec                                                                                                                                                                                                                                                   |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| └─┬─┬─┬─ Open/Ti-poly Open/thick-Al close Safe Norm 4.00s Obs 1x1 512x512 (1064, 1048) Q=98 2 0 2.0sec                                                                                                                                                                                                                                                   |                        |  |  |  |  |  |                                 |  |  |  |  |  |
| <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> |                        |  |  |  |  |  |                                 |  |  |  |  |  |

\* \* \* \* \*

## Flare mode

\* \* \* \* \*

| <b>XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open)</b> |                                                    |  |  |  |  |  |                                     |  |  |  |  |  |
|------------------------------------------------------------------------|----------------------------------------------------|--|--|--|--|--|-------------------------------------|--|--|--|--|--|
| Term                                                                   | Pointing (x, y)                                    |  |  |  |  |  | Comment                             |  |  |  |  |  |
| 01/20 10:05:00 - 01/20 17:59:54                                        | Track ( -310.5, 470.1) <sup>Ⓜ 01/20 09:50:00</sup> |  |  |  |  |  | # OP start + 10min, track AR 11147. |  |  |  |  |  |
| 01/20 18:13:00 - 01/21 06:01:54                                        | Track ( -243.9, 472.5) <sup>Ⓜ 01/20 18:10:00</sup> |  |  |  |  |  | # Track AR 11147.                   |  |  |  |  |  |
| 01/21 06:15:00 - 01/21 18:04:54                                        | Track ( -145.2, 475.2) <sup>Ⓜ 01/21 06:12:00</sup> |  |  |  |  |  | # Cont.                             |  |  |  |  |  |
| 01/21 18:18:00 - 01/22 05:35:54                                        | Fixed ( 830.0, -467.0)                             |  |  |  |  |  | # Observe AR 11148 near W limb.     |  |  |  |  |  |
| 01/22 05:49:00 - 01/22 09:16:00                                        | Fixed ( 830.0, -467.0)                             |  |  |  |  |  | # Cont.                             |  |  |  |  |  |
| <b>PROG= 16 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 |   |        |

\* \* \* \* \*

**Active Region Search**

\* \* \* \* \*

NOT USED

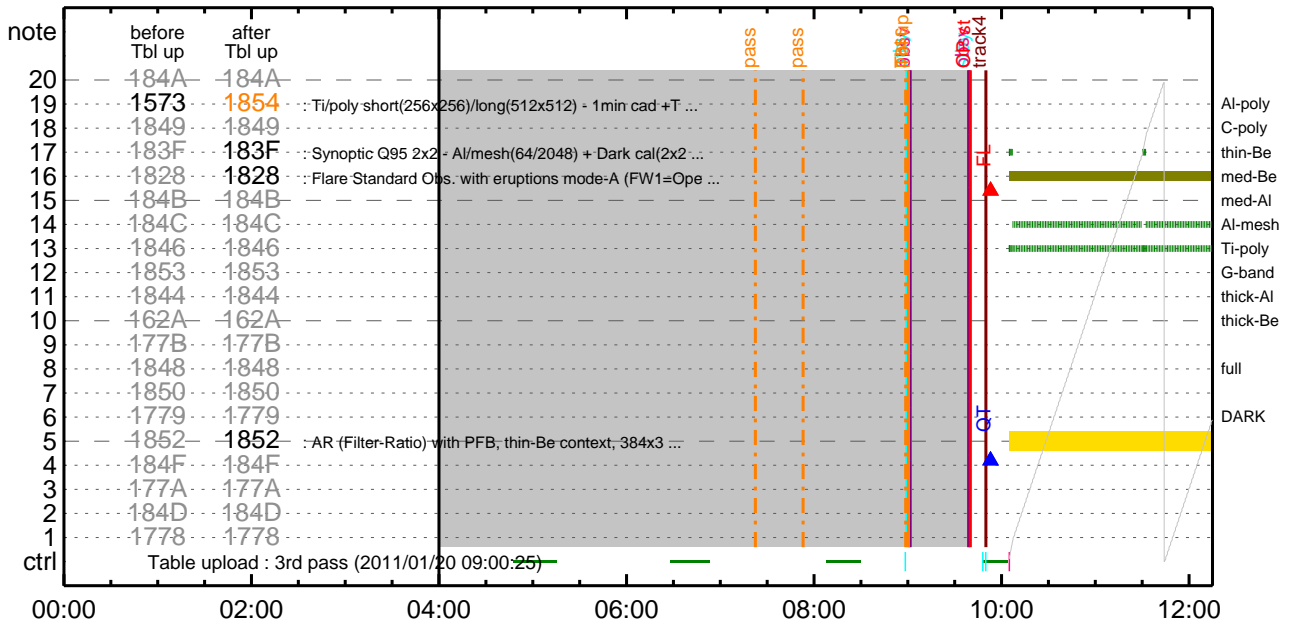
\* \* \* \* \*

**Flare Detection**

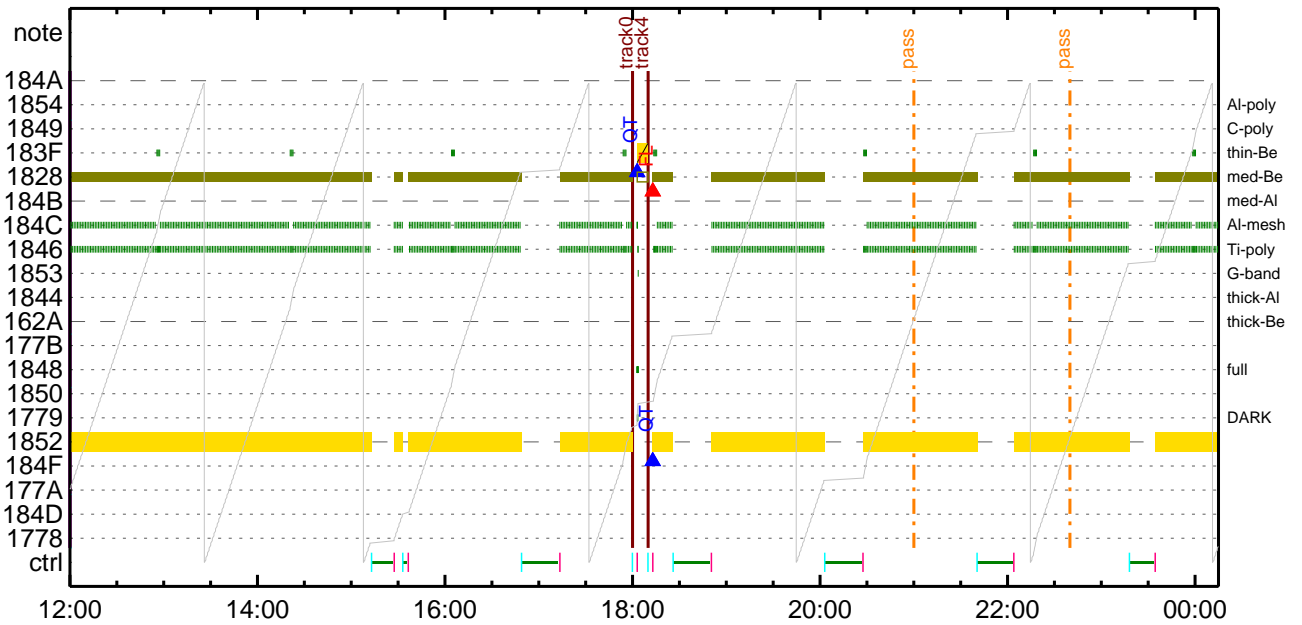
\* \* \* \* \*

| <b>FLD Patrol</b>               |                        |                  |      |       |      |     |     |                                     |         |            |          |  |
|---------------------------------|------------------------|------------------|------|-------|------|-----|-----|-------------------------------------|---------|------------|----------|--|
| Term                            | Pointing (x, y)        |                  |      |       |      |     |     |                                     | Comment |            |          |  |
| 01/20 09:50:16 - 01/20 18:00:16 | Track ( -310.5, 470.1) | © 01/20 09:50:00 |      |       |      |     |     | # OP start + 10min, track AR 11147. |         |            |          |  |
| 01/20 18:10:16 - 01/21 06:02:16 | Track ( -243.9, 472.5) | © 01/20 18:10:00 |      |       |      |     |     | # Track AR 11147.                   |         |            |          |  |
| 01/21 06:12:16 - 01/21 18:05:16 | Track ( -145.2, 475.2) | © 01/21 06:12:00 |      |       |      |     |     | # Cont.                             |         |            |          |  |
| 01/21 18:15:16 - 01/22 05:36:16 | Fixed ( 830.0, -467.0) |                  |      |       |      |     |     | # Observe AR 11148 near W limb.     |         |            |          |  |
| 01/22 05:46:16 - 01/25 10:02:00 | Fixed ( 830.0, -467.0) |                  |      |       |      |     |     | # Cont.                             |         |            |          |  |
| Open/Ti-poly                    | Open/thick-Al          | close            | Safe | Norm  | 8ms  | Obs | 8x8 | Q=50                                | 30sec   |            |          |  |
| Default Filter                  | Thicker Filter         | VLS              | mode | image | Exp. | CCD | Bin | ROI: size (center)                  | Comp.   | AEC Buffer | Interval |  |

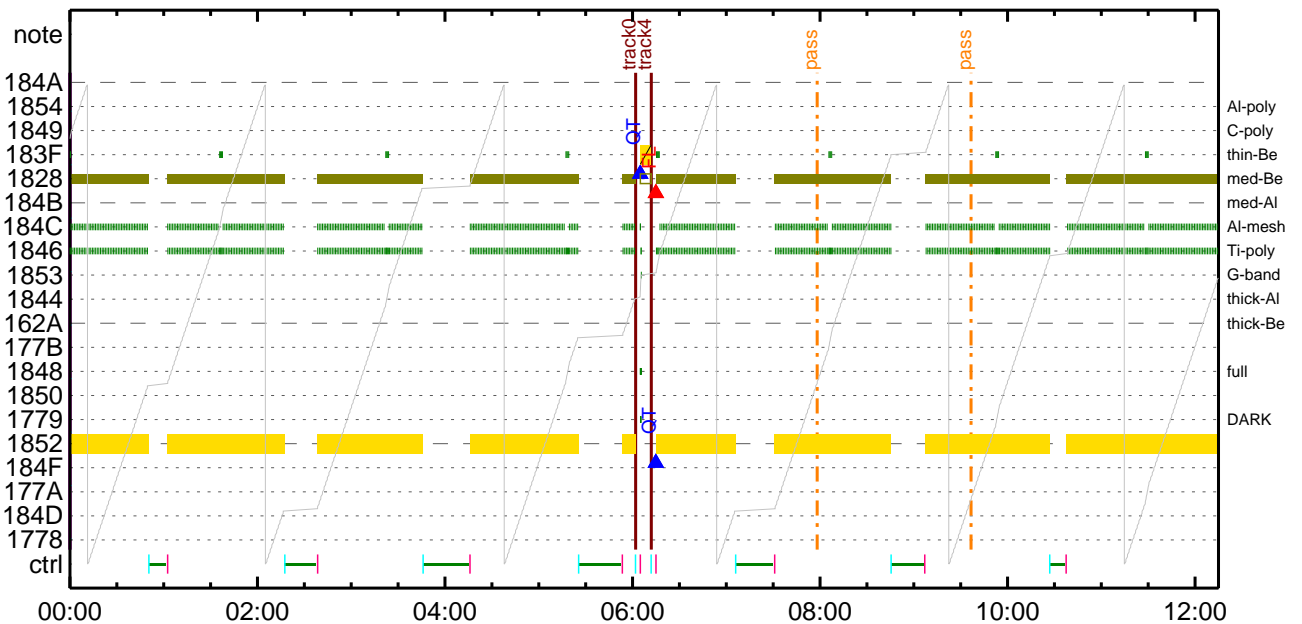
### CMDI #0727 2011/01/20



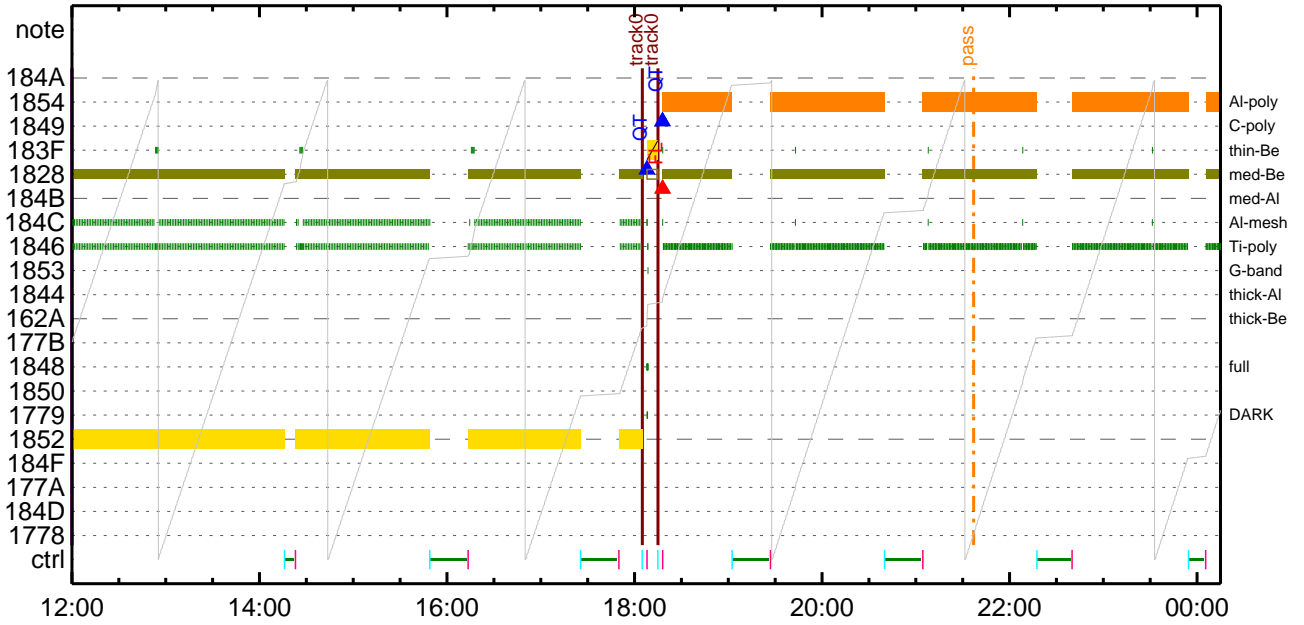
### CMDI #0727 2011/01/20



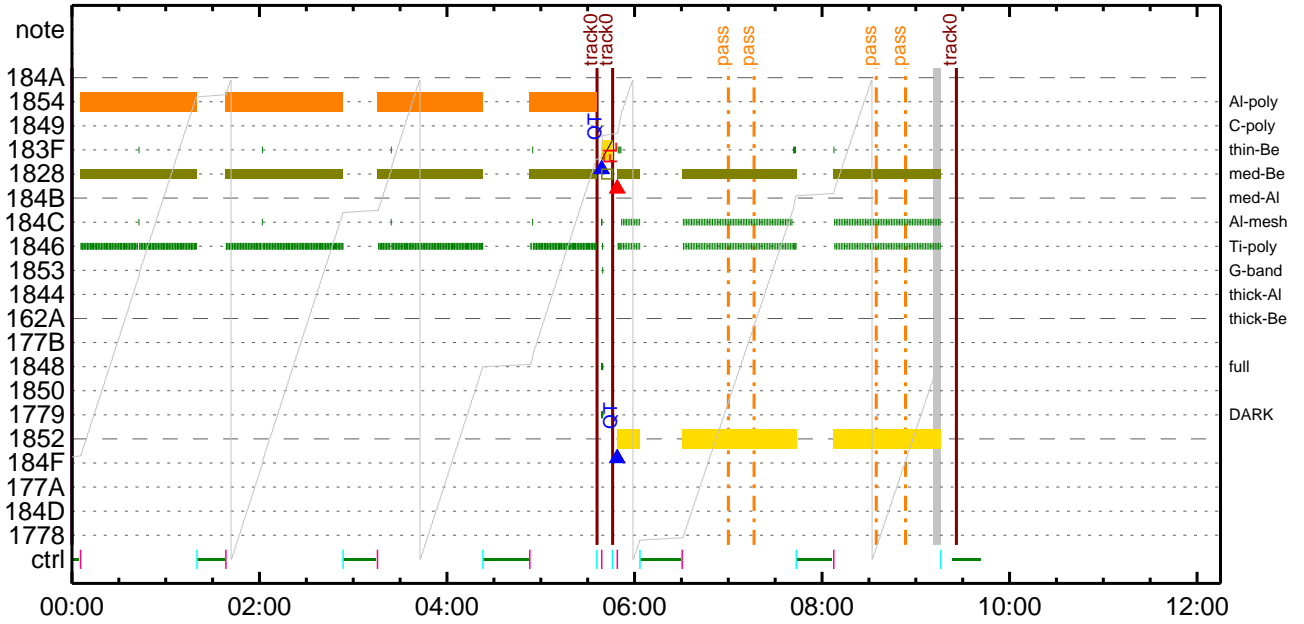
### CMDI #0727 2011/01/21



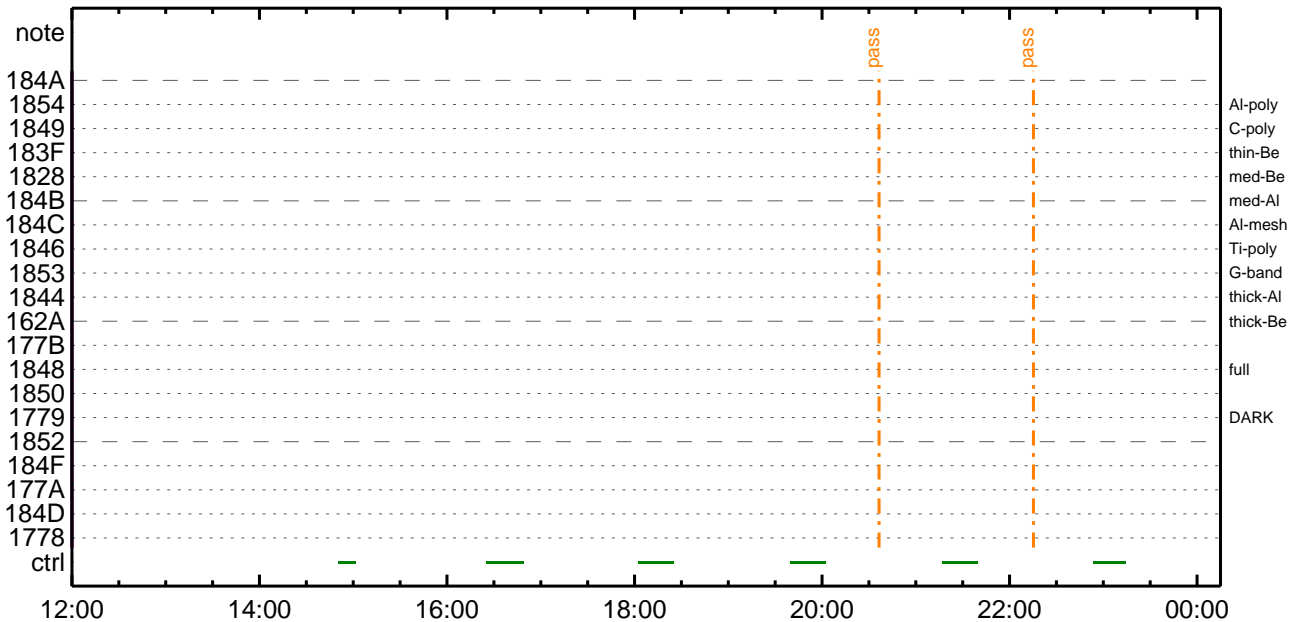
### CMDI #0727 2011/01/21



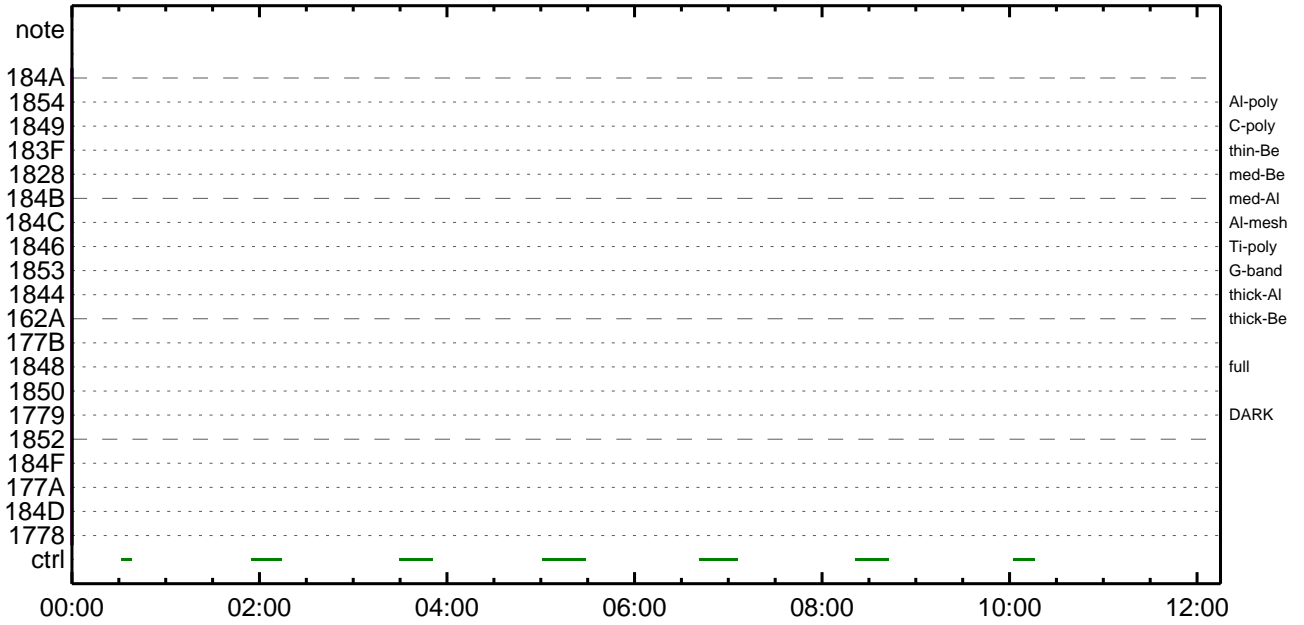
### CMDI #0727 2011/01/22



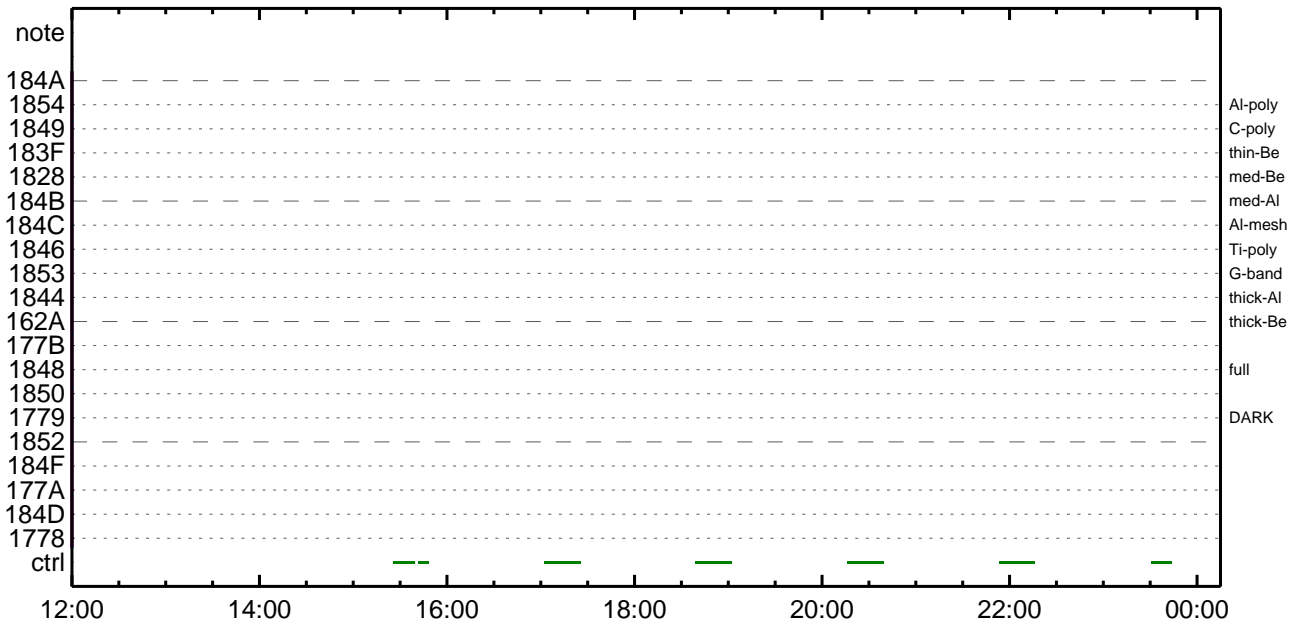
### CMDI #0727 2011/01/22



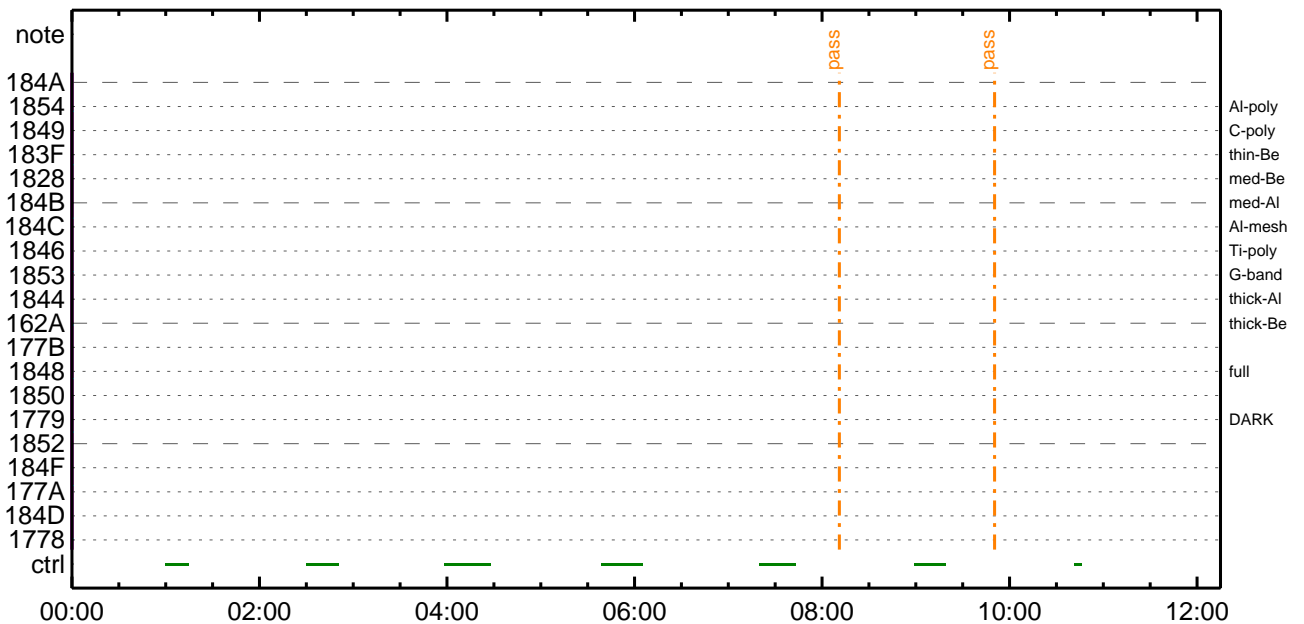
CMDI #0727 2011/01/23



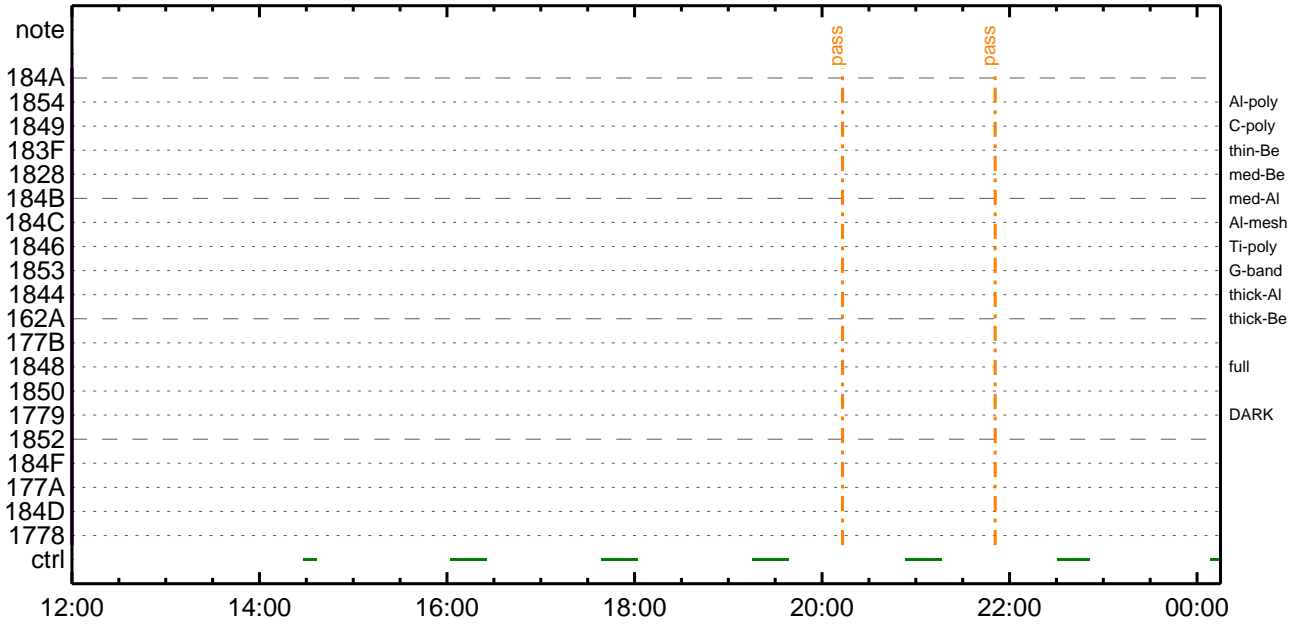
CMDI #0727 2011/01/23



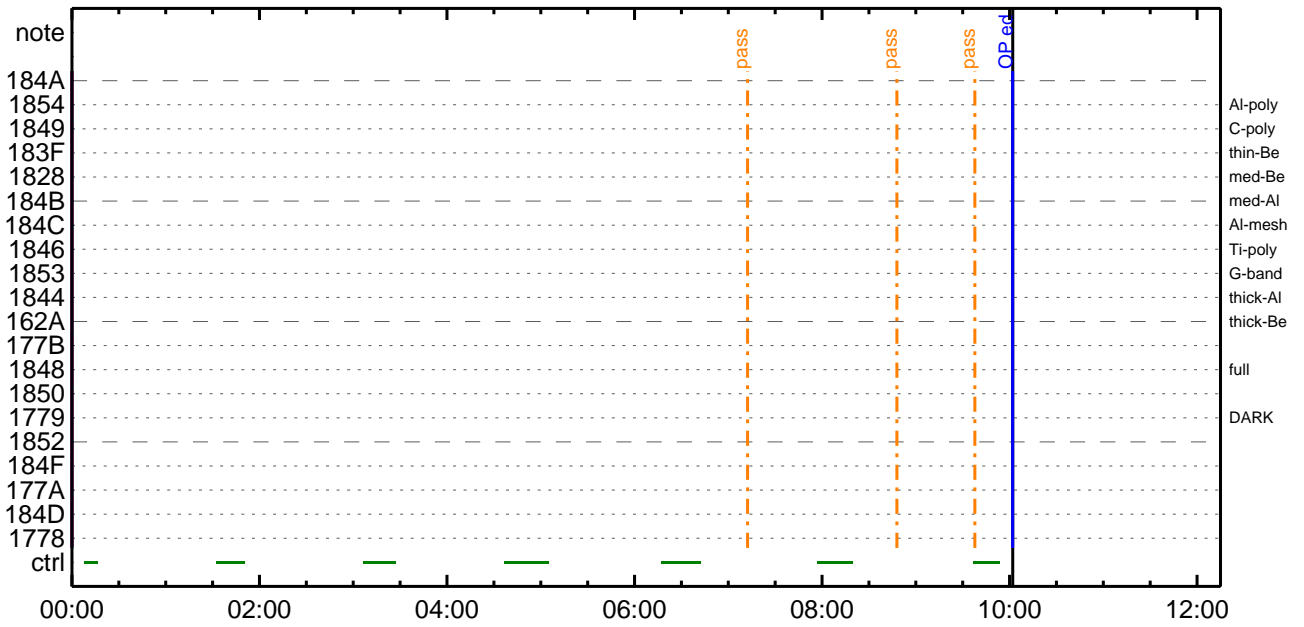
CMDI #0727 2011/01/24



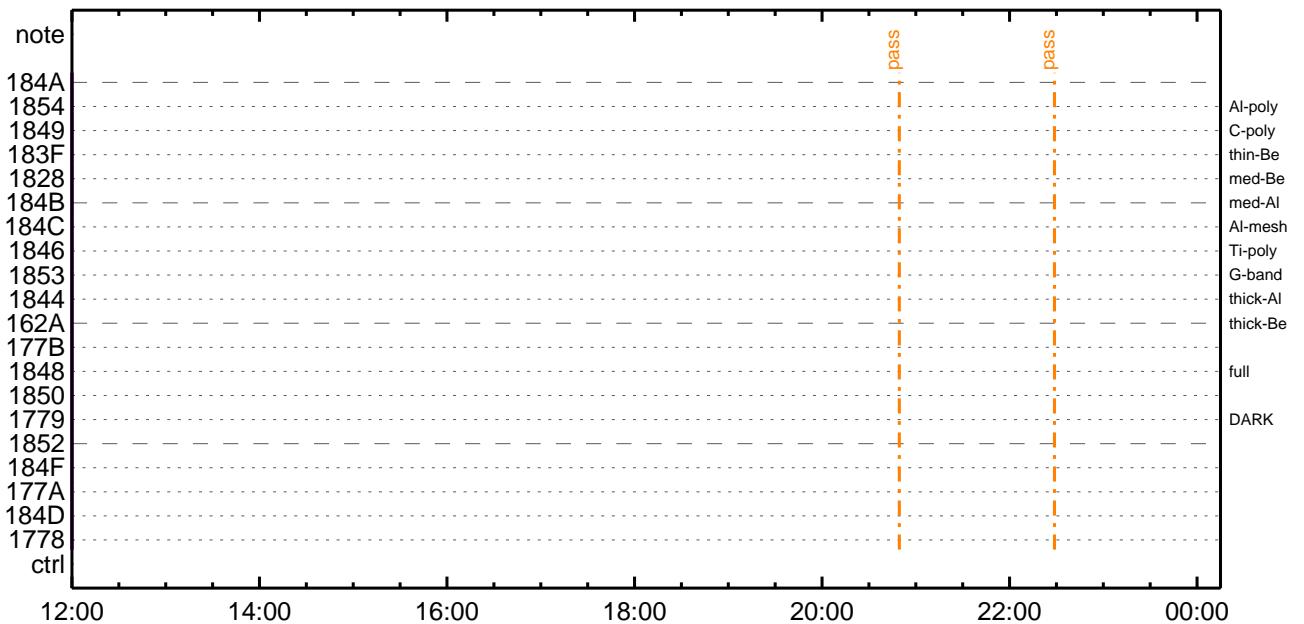
CMDI #0727 2011/01/24



CMDI #0727 2011/01/25



CMDI #0727 2011/01/25





```
0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;aOP/OGY1;4YE;a
0103 S. OP op-839:OP
0104 ( )
0105 S. OG og-839:OG
0106 ( )
0107 C.
0108 C. ;aNMOG&OPf^°eYAYOX;a
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. YAYOXx½^aÎ»oð³ÎÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGqî½E¹ç•ë²ÏOKoð³ÎÇ§
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. YAYOXx½^aÎ»oð³ÎÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGqî½E¹ç•ë²ÏOKoð³ÎÇ§
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. YAYOXx½^aÎ»oð³ÎÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPqî½E¹ç•ë²ÏOKoð³ÎÇ§
0165 C.
0166 C. ***** oE²¼oî½A'¶Á°oEÉ-°oÁ÷¿@ (¼áµ-YAYOXx½e½çoðÁÓæoç¼^a"°e¼i¹çoçoâ) *****
0167 C. DHUYâ;4YE;E½Y½, Yî;4YE;Eoðîá¹
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 UPLOADo-Á÷¿@NGuî½i¹ç;ç°E²¼oîTI-CMDÁ÷¿@oî½Á¹Ôo•oEoð³oE;f
0180 C. oBp¿;çSEToEDUMPaîE±°iYNY¹oç¹Ôo|o³oE;f
0181 C.
0182 C. TIY³YB¥OYÉoðÁDî¿(UT)
0183 +. TI 2011-01-20 09:35:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2011-01-20 09:35:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2011-01-20 09:35:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
```









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0096 C.
0097 C.
0098 C.
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 06 06)
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 80 80 20 20)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 80 80 20 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 08 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 85 83 08 08)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 85 83 04 04)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0f 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 10 80 80 08 08)
0142 . C. ----- Success Verify ? OK / NG ____
0143 C.
0144 C.
0145 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0146 C.
0147 +. DC 07-F0 MDP_XRT_MODE_OBSV
0148 BC (c2)
0149 +. TI 2011-01-20 09:39:02.0
0150 DC 07-F0 MDP_XRT_MODE_OBSV
0151 BC (c2)
0152 . C. ----- Success Verify ? OK / NG ____
0153 C.
0154 C. ***** XRT END *****
0155 C.
0156 . C. ***** MDP `úÃîï»ö%ÝðÊÄð¹ðèDCBC•x²è *****
0157 C. (%á°î¥ÓYÁYBYBYEYáYçYèðE%¼ð¼Á»Û¹ðè)
0158 . S. DC-BC dcbc-402:DCBC
0159 (MDP_known_event)
0160 C.
0161 C.
0162 . C. ***** ¥D¥¹•İ Daily±¿İÑðE´Ø¹ðèDCBC•x²è *****
0163 . S. DC-BC dcbc-153:DCBC
0164 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0165 C.
0166 C.
0167 . C. ;ãLOS¥Á¥$¥Ã¥-¼Á»Û;ä
0168 C.
0169 . C. ***** LOS *****
0170 C.

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Jan 20, 11 12:04

## XRT\_OGLIST\_0727.chk

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

|            |            |                                   |   |       |                |  |  |  |  |
|------------|------------|-----------------------------------|---|-------|----------------|--|--|--|--|
| 2011/01/20 | 09:48:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 09:48:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2011/01/20 | 09:48:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/01/20 | 09:49:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 09:49:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/01/20 | 09:50:00.0 | AOCS_Ore-point_Start_1_OG [0x097] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 04 00 00 00 00 |  |  |  |  |
| 2011/01/20 | 09:50:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2011/01/20 | 09:50:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2011/01/20 | 09:50:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |  |  |  |  |
| 2011/01/20 | 09:50:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/01/20 | 09:51:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/01/20 | 09:52:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2011/01/20 | 09:52:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 05          |  |  |  |  |
| 2011/01/20 | 09:52:58.0 | XRT_FL_PROG_SET_421_OG [0x1a5]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 10          |  |  |  |  |
| 2011/01/20 | 10:04:00.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |  |  |  |  |
| 2011/01/20 | 10:05:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/01/20 | 15:13:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 15:13:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2011/01/20 | 15:13:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/01/20 | 15:16:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/01/20 | 15:26:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |  |  |  |  |
| 2011/01/20 | 15:27:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/01/20 | 15:33:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 15:33:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2011/01/20 | 15:33:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/01/20 | 15:35:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |  |  |  |  |
| 2011/01/20 | 15:36:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/01/20 | 15:36:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/01/20 | 16:49:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 16:49:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |  |  |  |  |
| 2011/01/20 | 16:49:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/01/20 | 16:52:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/01/20 | 17:12:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |  |  |  |  |
| 2011/01/20 | 17:13:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/01/20 | 17:59:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 17:59:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |  |  |  |  |
| 2011/01/20 | 18:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |
| 2011/01/20 | 18:00:16.0 | XRT_FLD_DIS_402_OG [0x192]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |  |  |  |  |
| 2011/01/20 | 18:00:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |  |  |  |  |
| 2011/01/20 | 18:00:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/01/20 | 18:02:58.0 | XRT_QT_PROG_SET_403_OG [0x193]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 11          |  |  |  |  |
| 2011/01/20 | 18:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/01/20 | 18:09:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/01/20 | 18:09:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/01/20 | 18:10:00.0 | AOCS_Ore-point_Start_1_OG [0x097] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 04 00 00 00 00 |  |  |  |  |
| 2011/01/20 | 18:10:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |  |  |  |  |
| 2011/01/20 | 18:10:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |  |  |  |  |
| 2011/01/20 | 18:10:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                |  |  |  |  |

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|            |            |                                |                     |   |       |       |
|------------|------------|--------------------------------|---------------------|---|-------|-------|
| 2011/01/20 | 18:10:22.0 | XRT_ARS_DIS_437_OG [0x1b5]     | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0    |
|            |            |                                | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5    |
| 2011/01/20 | 18:12:54.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/20 | 18:12:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 05 |
| 2011/01/20 | 18:12:58.0 | XRT_FL_PROG_SET_421_OG [0x1a5] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 10 |
| 2011/01/20 | 18:13:00.0 | XRT_CTRL_AUTO_406_OG [0x196]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/20 | 18:26:00.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/20 | 18:26:02.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/20 | 18:26:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/20 | 18:29:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/20 | 18:49:30.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/20 | 18:50:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/20 | 20:03:00.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/20 | 20:03:02.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/20 | 20:03:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/20 | 20:06:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/20 | 20:26:30.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/20 | 20:27:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/20 | 21:40:30.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/20 | 21:40:32.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/20 | 21:40:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/20 | 21:43:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/20 | 22:03:00.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/20 | 22:04:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/20 | 23:18:00.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/20 | 23:18:02.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/20 | 23:18:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/20 | 23:21:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/20 | 23:33:30.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/20 | 23:34:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/21 | 00:50:30.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/21 | 00:50:32.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/21 | 00:50:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/21 | 00:53:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/21 | 01:01:30.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/21 | 01:02:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/21 | 02:17:30.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/21 | 02:17:32.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/21 | 02:17:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/21 | 02:20:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/21 | 02:37:30.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/21 | 02:38:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/21 | 03:46:00.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/21 | 03:46:02.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/21 | 03:46:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8    |
| 2011/01/21 | 03:49:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9    |
| 2011/01/21 | 04:15:00.0 | XRT_Custom_418_OG [0x1a2]      |                     |   |       |       |
| 2011/01/21 | 04:16:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0    |
| 2011/01/21 | 05:25:30.0 | XRT_CTRL_MANU_408_OG [0x198]   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1    |
| 2011/01/21 | 05:25:32.0 | XRT_FLD_RESET_412_OG [0x19c]   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da    |
| 2011/01/21 | 05:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] |                     |   |       |       |

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|            |            |                                   |                     |   |       |                |  |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|
| 2011/01/21 | 05:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/01/21 | 05:52:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |
| 2011/01/21 | 05:53:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 06:01:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 06:01:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] |                     |   |       |                |  |  |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2011/01/21 | 06:02:00.0 | AOCS_ORe-point_Start_2_OG [0x098] |                     |   |       |                |  |  |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |  |
| 2011/01/21 | 06:02:16.0 | XRT_FLD_DIS_402_OG [0x192]        |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |
| 2011/01/21 | 06:02:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |
| 2011/01/21 | 06:02:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2011/01/21 | 06:04:58.0 | XRT_QT_PROG_SET_403_OG [0x193]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11          |  |  |
| 2011/01/21 | 06:05:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 06:11:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 06:11:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |                     |   |       |                |  |  |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2011/01/21 | 06:12:00.0 | AOCS_ORe-point_Start_1_OG [0x097] |                     |   |       |                |  |  |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 04 00 00 00 00 |  |  |
| 2011/01/21 | 06:12:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |
| 2011/01/21 | 06:12:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |
| 2011/01/21 | 06:12:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |
| 2011/01/21 | 06:12:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2011/01/21 | 06:14:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 06:14:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 05          |  |  |
| 2011/01/21 | 06:14:58.0 | XRT_FL_PROG_SET_421_OG [0x1a5]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 10          |  |  |
| 2011/01/21 | 06:15:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 07:06:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 07:06:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 07:06:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/01/21 | 07:09:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/01/21 | 07:30:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |
| 2011/01/21 | 07:31:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 08:45:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 08:45:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 08:45:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/01/21 | 08:48:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/01/21 | 09:06:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |
| 2011/01/21 | 09:07:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 10:27:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 10:27:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 10:27:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/01/21 | 10:30:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/01/21 | 10:36:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |
| 2011/01/21 | 10:37:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 14:16:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 14:16:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 14:16:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/01/21 | 14:19:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/01/21 | 14:22:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |  |
| 2011/01/21 | 14:23:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/01/21 | 15:49:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/01/21 | 15:49:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/01/21 | 15:49:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |  |

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|            |            |                                   |                     |   |       |                |  |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|
| 2011/01/21 | 15:52:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/01/21 | 16:12:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |
| 2011/01/21 | 16:13:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 17:25:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 17:25:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 17:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/01/21 | 17:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/01/21 | 17:49:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |
| 2011/01/21 | 17:50:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 18:04:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 18:04:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] |                     |   |       |                |  |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/01/21 | 18:05:00.0 | AOCS_OrE-point_Start_2_OG [0x098] |                     |   |       |                |  |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |
| 2011/01/21 | 18:05:16.0 | XRT_FLD_DIS_402_OG [0x192]        |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2011/01/21 | 18:05:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2011/01/21 | 18:05:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/01/21 | 18:07:58.0 | XRT_QT_PROG_SET_403_OG [0x193]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11          |  |
| 2011/01/21 | 18:08:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 18:14:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 18:14:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |                     |   |       |                |  |
|            |            |                                   | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2011/01/21 | 18:15:00.0 | AOCS_OrE-point_Start_3_OG [0x099] |                     |   |       |                |  |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 00 29 81 b6 36 |  |
| 2011/01/21 | 18:15:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/01/21 | 18:15:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/01/21 | 18:15:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/01/21 | 18:15:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/01/21 | 18:17:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 18:17:56.0 | XRT_QT_PROG_SET_428_OG [0x1ac]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13          |  |
| 2011/01/21 | 18:17:58.0 | XRT_FL_PROG_SET_421_OG [0x1a5]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 10          |  |
| 2011/01/21 | 18:18:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 19:02:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 19:02:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 19:02:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/01/21 | 19:05:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/01/21 | 19:26:00.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |
| 2011/01/21 | 19:27:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 20:40:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 20:40:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 20:40:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/01/21 | 20:43:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/01/21 | 21:03:30.0 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |
| 2011/01/21 | 21:04:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 22:17:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 22:17:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 22:17:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2011/01/21 | 22:20:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/01/21 | 22:39:00.5 | XRT_Custom_418_OG [0x1a2]         |                     |   |       |                |  |
| 2011/01/21 | 22:40:00.5 | XRT_CTRL_AUTO_419_OG [0x1a3]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/01/21 | 23:54:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/01/21 | 23:54:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |                     |   |       |                |  |
|            |            |                                   | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/01/21 | 23:54:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |                     |   |       |                |  |



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|            |            |                                   |   |       |                |
|------------|------------|-----------------------------------|---|-------|----------------|
| 2011/01/21 | 23:57:44.0 | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |
|            |            | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |
| 2011/01/22 | 00:04:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |
| 2011/01/22 | 00:05:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 01:20:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 01:20:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 01:20:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |
| 2011/01/22 | 01:23:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |
| 2011/01/22 | 01:37:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |
| 2011/01/22 | 01:38:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 02:53:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 02:53:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 02:53:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |
| 2011/01/22 | 02:56:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |
| 2011/01/22 | 03:14:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |
| 2011/01/22 | 03:15:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 04:23:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 04:23:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 04:23:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |
| 2011/01/22 | 04:26:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |
| 2011/01/22 | 04:52:00.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |
| 2011/01/22 | 04:53:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 05:35:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 05:35:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00    |
| 2011/01/22 | 05:36:00.0 | AOCS_Orе-point_Start_2_OG [0x098] |   |       |                |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 |
| 2011/01/22 | 05:36:16.0 | XRT_FLD_DIS_402_OG [0x192]        |   |       |                |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9             |
| 2011/01/22 | 05:36:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    |   |       |                |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9             |
| 2011/01/22 | 05:36:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        |   |       |                |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |
| 2011/01/22 | 05:38:58.0 | XRT_QT_PROG_SET_403_OG [0x193]    |   |       |                |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 11          |
| 2011/01/22 | 05:39:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 05:45:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 05:45:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] |   |       |                |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 fe 97 00    |
| 2011/01/22 | 05:46:00.0 | AOCS_Orе-point_Start_3_OG [0x099] |   |       |                |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 29 81 b6 36 |
| 2011/01/22 | 05:46:16.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8             |
| 2011/01/22 | 05:46:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8             |
| 2011/01/22 | 05:46:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0             |
| 2011/01/22 | 05:46:22.0 | XRT_ARS_DIS_437_OG [0x1b5]        |   |       |                |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5             |
| 2011/01/22 | 05:48:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 05:48:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd]    |   |       |                |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 05          |
| 2011/01/22 | 05:48:58.0 | XRT_FL_PROG_SET_421_OG [0x1a5]    |   |       |                |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 10          |
| 2011/01/22 | 05:49:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 06:03:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 06:03:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 06:03:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8             |
| 2011/01/22 | 06:06:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9             |
| 2011/01/22 | 06:29:30.0 | XRT_Custom_418_OG [0x1a2]         |   |       |                |
| 2011/01/22 | 06:30:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]      |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0             |
| 2011/01/22 | 07:43:30.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1             |
| 2011/01/22 | 07:43:32.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da             |
| 2011/01/22 | 07:43:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                |

