

# XRT Timeline to be uploaded on 2011/06/07

Period: 2011/06/07 10:25:00 - 2011/06/11 09:37:00

\* \* \* \* \*

Normal mode

\* \* \* \* \*

## XOB #1889: HOP 186 (short exp) FW1=OPEN Al/mesh (64/2048ms) + Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1

| Term                            | Pointing (x, y)   | Comment  |
|---------------------------------|---|--|
| 06/07 10:38:00 - 06/07 10:49:54 | Fixed ( 0.0, 0.0)   | # OP start + 10min, HOP-186 and XRT synoptic.  |
| 06/08 10:03:00 - 06/08 10:09:54 | Fixed ( 0.0, 0.0)   | synoptic, shifted 23.5 min, and HOP-186.       |
| <b>PROG= 16 1-time(s)</b>       |   |  |
| └─ Subr= 1 1-time(s) 12.0sec    |   |  |
| └─ Seqn= 7 1-time(s) 4.0sec     |   |  |
| └─ Open/Al-mesh                 | Open/Al-mesh close Safe Norm 16ms   | Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Open/Al-mesh                 | Open/Al-mesh close Safe Norm 1.00s  | 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= 8 1-time(s) 4.0sec     |   |  |
| └─ Open/Ti-poly                 | Open/Ti-poly close Safe Norm 32ms   | Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Open/Ti-poly                 | Open/Ti-poly close Safe Norm 2.00s  | 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 |
| └─ Subr= 2 1-time(s) 2.0sec     |   |  |
| └─ Seqn= 81 1-time(s) 2.0sec    |   |  |
| └─ Open/Al-mesh                 | Open/Al-mesh close Safe Norm 63ms   | Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| └─ Open/Al-mesh                 | Open/Al-mesh close Safe Norm 2.00s  | Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Default Filter                  | Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |  |

## XOB #1881: CME watch - 4x4 - AEC 2 - Ti/poly

| Term                            | Pointing (x, y)         | Comment        |
|---------------------------------|-------------------------|----------------|
| 06/07 10:53:00 - 06/07 11:05:54 | Fixed ( 936.0, 0.0)     | # HOP-130 1/15 |
| 06/07 11:09:00 - 06/07 11:21:54 | Fixed ( 468.0, 0.0)     | # 2/15         |
| 06/07 11:25:00 - 06/07 11:45:00 | Fixed ( 0.0, 0.0)       | # 3/15         |
| 06/07 12:17:30 - 06/07 12:30:24 | Fixed ( -468.0, 0.0)    | # 4/15         |
| 06/07 12:33:30 - 06/07 12:46:24 | Fixed ( -936.0, 0.0)    | # 5/15         |
| 06/07 12:49:30 - 06/07 12:56:24 | Fixed ( 815.0, 470.0)   | # 6/15         |
| 06/07 12:59:30 - 06/07 13:23:00 | Fixed ( 411.0, 847.0)   | # 7/15         |
| 06/07 13:56:00 - 06/07 14:08:54 | Fixed ( 0.0, 941.0)     | # 8/15         |
| 06/07 14:12:00 - 06/07 14:24:54 | Fixed ( -411.0, 847.0)  | # 9/15         |
| 06/07 14:28:00 - 06/07 14:34:54 | Fixed ( -815.0, 470.0)  | # 10/15        |
| 06/07 14:38:00 - 06/07 14:44:54 | Fixed ( 815.0, -470.0)  | # 11/15        |
| 06/07 14:48:00 - 06/07 15:53:54 | Fixed ( 411.0, -847.0)  | # 12/15        |
| 06/07 15:57:00 - 06/07 16:09:54 | Fixed ( 0.0, -941.0)    | # 13/15        |
| 06/07 16:13:00 - 06/07 16:25:54 | Fixed ( -411.0, -847.0) | # 14/15        |
| 06/07 16:29:00 - 06/07 16:35:54 | Fixed ( -815.0, -471.0) | # 15/15        |

## PROG= 11 Inf.-time(s)

|                               |   |  |
|-------------------------------|---|--|
| └─ Subr= 1 1-time(s) 120.0sec |   |  |
| └─ Seqn= 33 1-time(s) 4.0sec  |   |  |
| └─ Open/Ti-poly               | Open/thick-Al close Safe Norm 125ms   | Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec |
| Default Filter                | Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |  |

## XOB #1886: AR Standard-A(Filter-Ratio) with eruption PFB, FW1=Open, 512x512 at 1064 1048, 100s cad

| Term                            | Pointing (x, y)                                    | Comment                                    |
|---------------------------------|--|--|
| 06/07 16:39:00 - 06/07 23:59:54 | Track ( 23.9, 115.8) <sup>Ⓜ 06/07 16:36:00</sup>   | # AR 11231 tracking near cenrtal meridian. |
| 06/08 00:13:00 - 06/08 07:59:54 | Track ( 92.7, 115.1) <sup>Ⓜ 06/08 00:10:00</sup>   | # AR 11231 cont.                           |
| 06/08 10:13:00 - 06/08 23:29:54 | Track ( 182.8, 114.3) <sup>Ⓜ 06/08 10:10:00</sup>  | # AR 11231 cont.                           |
| 06/09 03:43:00 - 06/09 07:56:30 | Track ( 838.3, -379.6) <sup>Ⓜ 06/09 03:40:00</sup> | # Observe AR 11226 approaching west limb.  |

## PROG= 12 Inf.-time(s)

|                              |                                     |  |
|------------------------------|-------------------------------------|--|
| └─ Subr= 1 1-time(s) 2.0sec  |                                     |  |
| └─ Seqn= 19 1-time(s) 2.0sec |                                     |  |
| └─ Open/Ti-poly              | Open/thick-Al close Safe Dark 16.0s | Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec |
| └─ Open/G-band               | Open/G-band open Safe Norm 63ms     | Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec |
| └─ Seqn= 49 4-time(s) 2.0sec |                                     |  |
| └─ Open/Ti-poly              | Open/thick-Al close Safe Norm 500ms | Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec |
| └─ Open/thick-Al             | Open/thick-Be close Safe Norm 16.0s | Obs 1x1 512x512 (1064, 1048) Q=95 3 0 2.0sec |
| └─ Subr= 2 1-time(s) 2.0sec  |                                     |  |
| └─ Seqn= 6 18-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 2.0sec |
| └─ Open/Al-mesh              | Open/Ti-poly close Safe Norm 500ms  | Obs 2x2 512x512 (1064, 1048) Q=95 2 1 2.0sec |
| └─ Open/Ti-poly              | Open/thick-Be close Safe Norm 1.00s | Obs 1x1 512x512 (1064, 1048) Q=95 2 1 2.0sec |
| └─ Open/Al-mesh              | Open/Ti-poly close Safe Norm 500ms  | Obs 2x2 512x512 (1064, 1048) Q=95 2 2 2.0sec |
| └─ Open/Ti-poly              | Open/thick-Be close Safe Norm 1.00s | Obs 1x1 512x512 (1064, 1048) Q=95 2 2 2.0sec |
| └─ Open/Al-mesh              | Open/thick-Al close Safe Norm 500ms | Obs 1x1 512x512 (1064, 1048) Q=95 3 3 2.0sec |

|                |                |       |      |       |       |     |     |                      |       |            |          |         |
|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|---------|
| Open/Ti-poly   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 3        | 20.0sec |
| Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |         |

**XOB #17B9: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + G-band(16)**

| Term                            | Pointing (x, y)   | Comment                   |
|---------------------------------|-------------------|---------------------------|
| 06/08 00:03:00 - 06/08 00:09:54 | Fixed ( 0.0, 0.0) | synoptic                  |
| 06/08 23:33:00 - 06/08 23:39:54 | Fixed ( 0.0, 0.0) | synoptic, shifted 1.5 min |

**PROG= 19 1-time(s)**

└─ **Subr= 1 1-time(s) 12.0sec**

└─ **Seqn= 7 1-time(s) 4.0sec**

|              |              |       |      |      |       |     |     |                        |      |   |   |        |
|--------------|--------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 16ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 1.00s | 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= 8 1-time(s) 4.0sec**

|              |              |       |      |      |       |     |     |                        |      |   |   |        |
|--------------|--------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 32ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 2.00s | 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 |
| Default Filter | Thicker Filter | VLS  | mode | image | Exp. | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

**XOB #188A: XBP Al/mesh - Ti/Poly - FOV384 - Q90 - AEC4 - 40s cadence**

| Term                            | Pointing (x, y)                       | Comment                                     |
|---------------------------------|---------------------------------------|---|
| 06/08 08:03:00 - 06/08 09:59:54 | Track ( -8.6, -41.0) @ 06/08 08:00:00 | # HOP-126 chromospheric jets with La Palma. |
| 06/09 08:34:30 - 06/09 09:38:54 | Track ( -8.6, -41.0) @ 06/09 08:00:00 | # HOP-126 chromospheric jets with La Palma. |

**PROG= 02 Inf.-time(s)**

└─ **Subr= 1 1-time(s) 180.0sec**

└─ **Seqn= 84 60-time(s) 40.0sec**

|                |                |       |      |       |       |     |     |                      |       |            |          |        |
|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Open/Al-mesh   | Open/Al-mesh   | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=90  | 4          | 0        | 2.0sec |
| Open/Ti-poly   | Open/Ti-poly   | close | Safe | Norm  | 4.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=90  | 4          | 0        | 2.0sec |
| Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

**XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT**

| Term                            | Pointing (x, y)     | Comment                          |
|---------------------------------|---------------------|----------------------------------|
| 06/08 23:55:00 - 06/09 01:35:00 | Fixed ( 0.0, 945.0) | # Coalignment at the North Pole. |

**PROG= 14 1-time(s)**

└─ **Subr= 1 1-time(s) 360.0sec**

└─ **Seqn= 21 24-time(s) 300.0sec**

|                |                |      |      |       |      |     |     |                       |       |            |          |        |
|----------------|----------------|------|------|-------|------|-----|-----|-----------------------|-------|------------|----------|--------|
| Open/G-band    | Open/G-band    | open | Safe | Norm  | 16ms | Obs | 2x2 | 2048x1536 (1024, 768) | Q=90  | 0          | 0        | 2.0sec |
| Default Filter | Thicker Filter | VLS  | mode | image | Exp. | CCD | Bin | ROI: size (center)    | Comp. | AEC Buffer | Interval |        |

**XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT**

| Term                            | Pointing (x, y)      | Comment                         |
|---------------------------------|----------------------|---------------------------------|
| 06/09 01:55:00 - 06/09 03:39:54 | Fixed ( -945.0, 0.0) | # Coalignment at the East limb. |

**PROG= 06 1-time(s)**

└─ **Subr= 1 1-time(s) 360.0sec**

└─ **Seqn= 22 15-time(s) 480.0sec**

|                |                |      |      |       |      |     |     |                        |       |            |          |        |
|----------------|----------------|------|------|-------|------|-----|-----|------------------------|-------|------------|----------|--------|
| Open/G-band    | Open/G-band    | open | Safe | Norm  | 16ms | Obs | 2x2 | 1536x2048 (1280, 1024) | Q=90  | 0          | 0        | 2.0sec |
| Default Filter | Thicker Filter | VLS  | mode | image | Exp. | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

\* \* \* \* \*

**Flare mode**

\* \* \* \* \*

**XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open )**

| Term                            | Pointing (x, y)                       | Comment                                    |
|---------------------------------|---------------------------------------|--|
| 06/07 10:53:00 - 06/07 11:05:54 | Fixed ( 936.0, 0.0)                   | # HOP-130 1/15                             |
| 06/07 11:09:00 - 06/07 11:21:54 | Fixed ( 468.0, 0.0)                   | # 2/15                                     |
| 06/07 11:25:00 - 06/07 11:45:00 | Fixed ( 0.0, 0.0)                     | # 3/15                                     |
| 06/07 12:17:30 - 06/07 12:30:24 | Fixed ( -468.0, 0.0)                  | # 4/15                                     |
| 06/07 12:33:30 - 06/07 12:46:24 | Fixed ( -936.0, 0.0)                  | # 5/15                                     |
| 06/07 12:49:30 - 06/07 12:56:24 | Fixed ( 815.0, 470.0)                 | # 6/15                                     |
| 06/07 12:59:30 - 06/07 13:23:00 | Fixed ( 411.0, 847.0)                 | # 7/15                                     |
| 06/07 13:56:00 - 06/07 14:08:54 | Fixed ( 0.0, 941.0)                   | # 8/15                                     |
| 06/07 14:12:00 - 06/07 14:24:54 | Fixed ( -411.0, 847.0)                | # 9/15                                     |
| 06/07 14:28:00 - 06/07 14:34:54 | Fixed ( -815.0, 470.0)                | # 10/15                                    |
| 06/07 14:38:00 - 06/07 14:44:54 | Fixed ( 815.0, -470.0)                | # 11/15                                    |
| 06/07 14:48:00 - 06/07 15:53:54 | Fixed ( 411.0, -847.0)                | # 12/15                                    |
| 06/07 15:57:00 - 06/07 16:09:54 | Fixed ( 0.0, -941.0)                  | # 13/15                                    |
| 06/07 16:13:00 - 06/07 16:25:54 | Fixed ( -411.0, -847.0)               | # 14/15                                    |
| 06/07 16:29:00 - 06/07 16:35:54 | Fixed ( -815.0, -471.0)               | # 15/15                                    |
| 06/07 16:39:00 - 06/07 23:59:54 | Track ( 23.9, 115.8) @ 06/07 16:36:00 | # AR 11231 tracking near central meridian. |
| 06/08 00:13:00 - 06/08 07:59:54 | Track ( 92.7, 115.1) @ 06/08 00:10:00 | # AR 11231 cont.                           |

06/08 08:03:00 - 06/08 09:59:54 Track ( -8.6, -41.0) @ 06/08 08:00:00 # HOP-126 chromospheric jets with La Palma.  
 06/08 10:13:00 - 06/08 23:29:54 Track ( 182.8, 114.3) @ 06/08 10:10:00 # AR 11231 cont.  
 06/09 03:43:00 - 06/09 07:56:30 Track ( 838.3, -379.6) @ 06/09 03:40:00 # Observe AR 11226 approaching west limb.  
 06/09 08:34:30 - 06/09 09:38:54 Track ( -8.6, -41.0) @ 06/09 08:00:00 # HOP-126 chromospheric jets with La Palma.

| PROG= 08 1-time(s)          |                |               |       |       |      |       |     |                    |                      |            |            |
|-----------------------------|----------------|---------------|-------|-------|------|-------|-----|--------------------|----------------------|------------|------------|
| Subr= 1 30-time(s) 20.0sec  |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 87 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Norm | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
|                             | Open/thick-Be  | Open/thick-Be | close | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
| Seqn= 60 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/Al-mesh   | Open/Al-mesh  | close | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
|                             | Open/Ti-poly   | Open/Ti-poly  | close | Safe  | Norm | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
| Subr= 2 1-time(s) 2.0sec    |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 90 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/G-band    | Open/G-band   | open  | Safe  | Norm | 63ms  | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=98       | 0 0 2.0sec |
| Subr= 3 30-time(s) 60.0sec  |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 87 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Norm | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
|                             | Open/thick-Be  | Open/thick-Be | close | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
| Seqn= 88 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/Al-mesh   | Open/Al-mesh  | close | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
|                             | Open/Ti-poly   | Open/Ti-poly  | close | Safe  | Norm | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
| Subr= 2 1-time(s) 2.0sec    |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 90 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/G-band    | Open/G-band   | open  | Safe  | Norm | 63ms  | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=98       | 0 0 2.0sec |
| Subr= 3 30-time(s) 60.0sec  |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 87 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Norm | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
|                             | Open/thick-Be  | Open/thick-Be | close | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
| Seqn= 88 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/Al-mesh   | Open/Al-mesh  | close | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
|                             | Open/Ti-poly   | Open/Ti-poly  | close | Safe  | Norm | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
| Subr= 2 1-time(s) 2.0sec    |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 90 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/G-band    | Open/G-band   | open  | Safe  | Norm | 63ms  | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Dark | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=98       | 0 0 2.0sec |
| Subr= 3 30-time(s) 60.0sec  |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 87 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/thick-Al  | Open/thick-Al | close | Safe  | Norm | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
|                             | Open/thick-Be  | Open/thick-Be | close | Safe  | Norm | 2.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 3 0 2.0sec |
| Seqn= 88 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/Al-mesh   | Open/Al-mesh  | close | Safe  | Norm | 125ms | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
|                             | Open/Ti-poly   | Open/Ti-poly  | close | Safe  | Norm | 1.00s | Obs | 2x2                | 512x512 (1024, 1024) | Q=95       | 2 0 2.0sec |
| Subr= 4 24-time(s) 600.0sec |                |               |       |       |      |       |     |                    |                      |            |            |
| Seqn= 89 1-time(s) 2.0sec   |                |               |       |       |      |       |     |                    |                      |            |            |
|                             | Open/Al-mesh   | Open/thick-Al | close | Safe  | Norm | 500ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 1 0 2.0sec |
|                             | Open/Ti-poly   | Open/thick-Be | close | Safe  | Norm | 500ms | Obs | 1x1                | 384x384 (1024, 1024) | Q=95       | 1 0 2.0sec |
|                             | Open/G-band    | Open/G-band   | open  | Safe  | Norm | 63ms  | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
|                             | Open/Al-mesh   | Open/Al-mesh  | close | Safe  | Dark | 1.00s | Obs | 1x1                | 384x384 (1024, 1024) | Q=98       | 0 0 2.0sec |
| Default Filter              | Thicker Filter | VLS           | mode  | image | Exp. | CCD   | Bin | ROI: size (center) | Comp.                | AEC Buffer | Interval   |

\* \* \* \* \*

### Active Region Search

\* \* \* \* \*

NOT USED

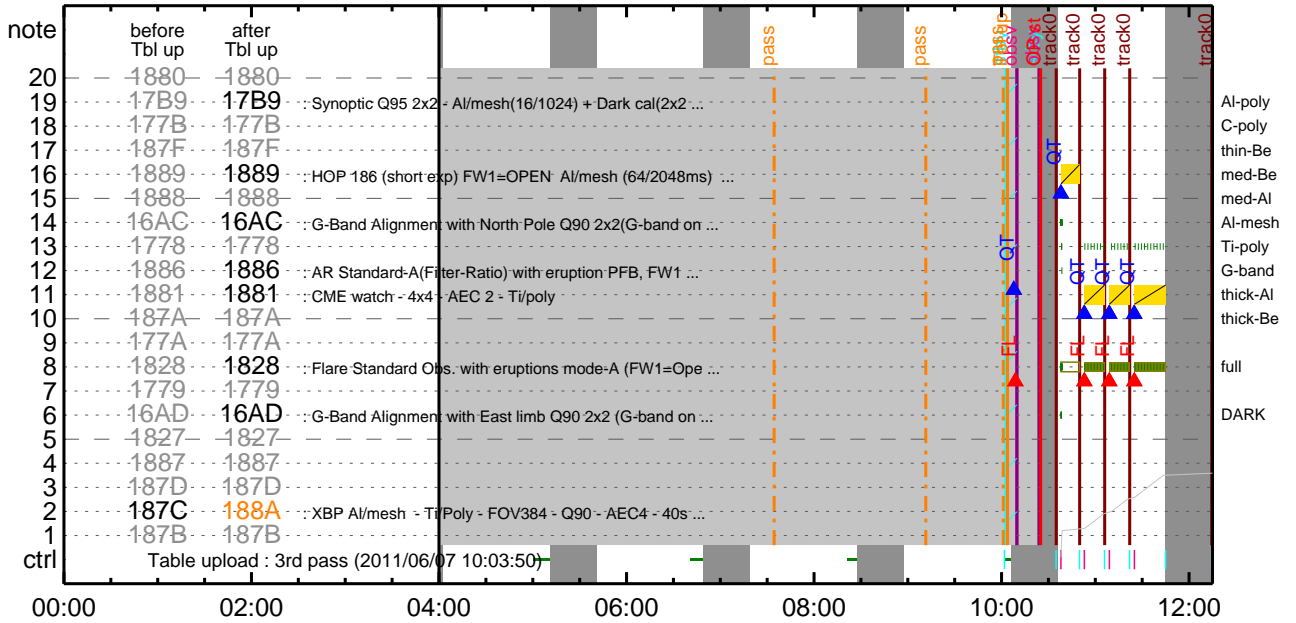
\* \* \* \* \*

### Flare Detection

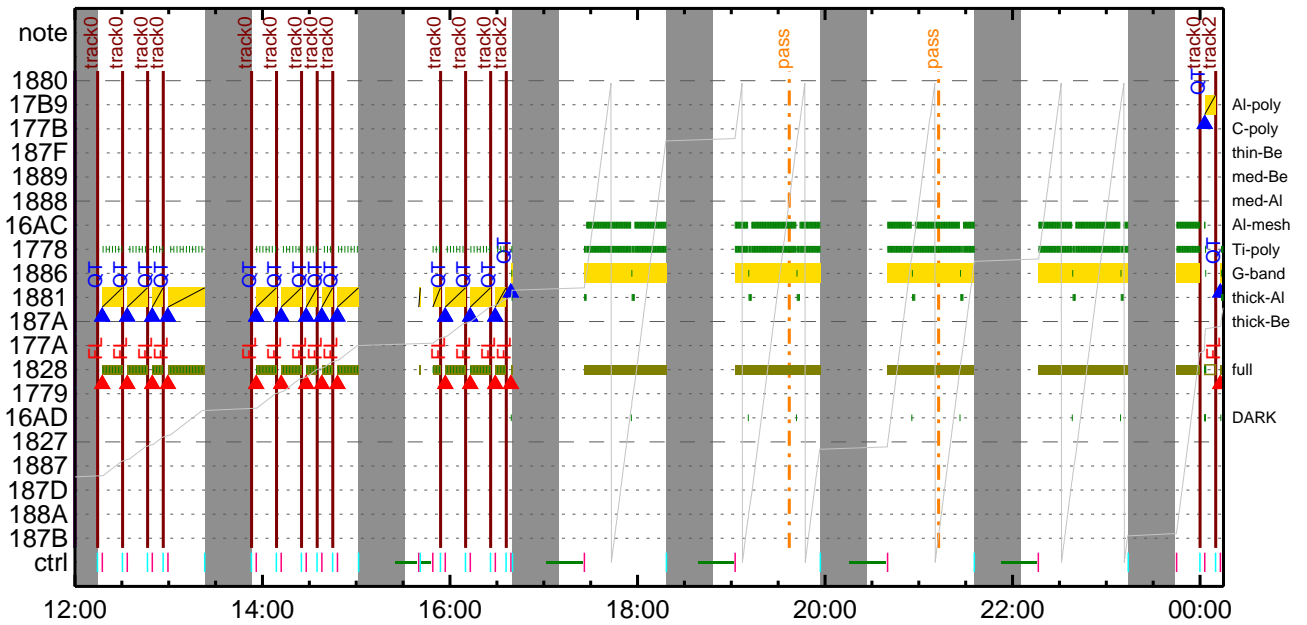
\* \* \* \* \*

| FLD Patrol                      |                |   |       |       |      |     |     |   |       |            |          |
|---------------------------------|----------------|---|-------|-------|------|-----|-----|---|-------|------------|----------|
| Term                            |                | Pointing (x, y)                         |       |       |      |     |     | Comment                                   |       |            |          |
| 06/07 10:52:46 - 06/08 00:00:16 |                | Fixed ( 936.0, 0.0)                     |       |       |      |     |     | # HOP-130 1/15                            |       |            |          |
| 06/08 00:12:46 - 06/08 10:00:16 |                | Track ( 92.7, 115.1) @ 06/08 00:10:00   |       |       |      |     |     | # AR 11231 cont.                          |       |            |          |
| 06/08 10:12:46 - 06/08 23:30:16 |                | Track ( 182.8, 114.3) @ 06/08 10:10:00  |       |       |      |     |     | # AR 11231 cont.                          |       |            |          |
| 06/09 03:42:46 - 06/11 09:37:00 |                | Track ( 838.3, -379.6) @ 06/09 03:40:00 |       |       |      |     |     | # Observe AR 11226 approaching west limb. |       |            |          |
|                                 | 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 |

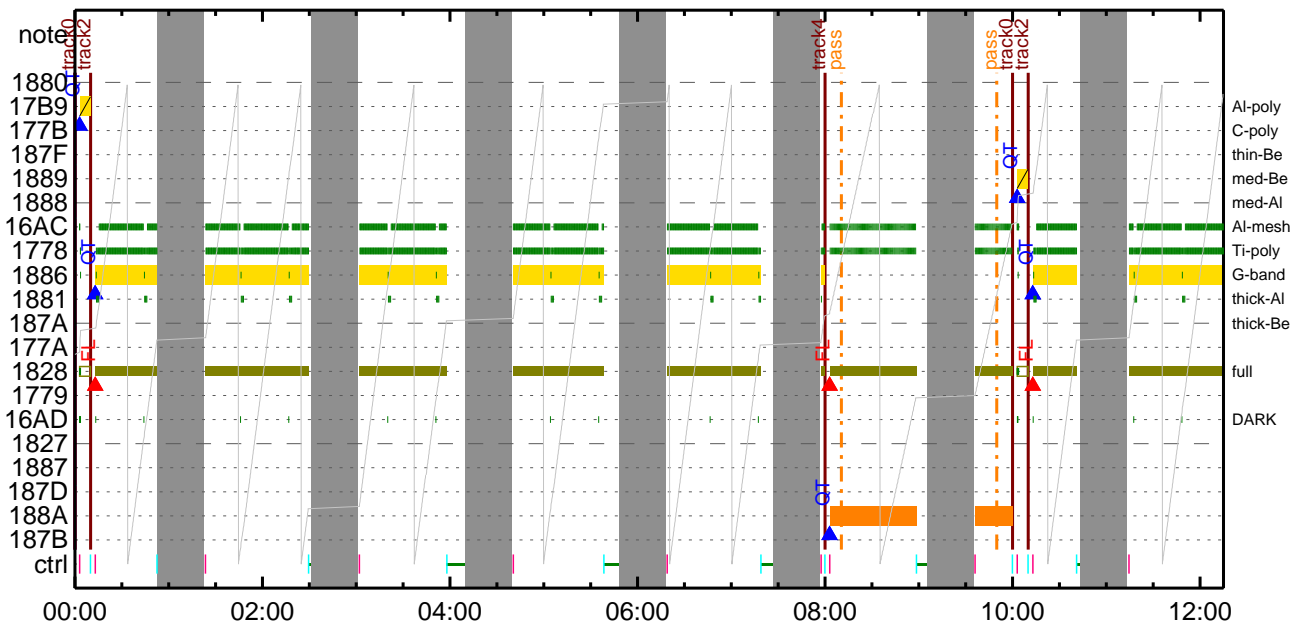
### CMDI #0974 2011/06/07



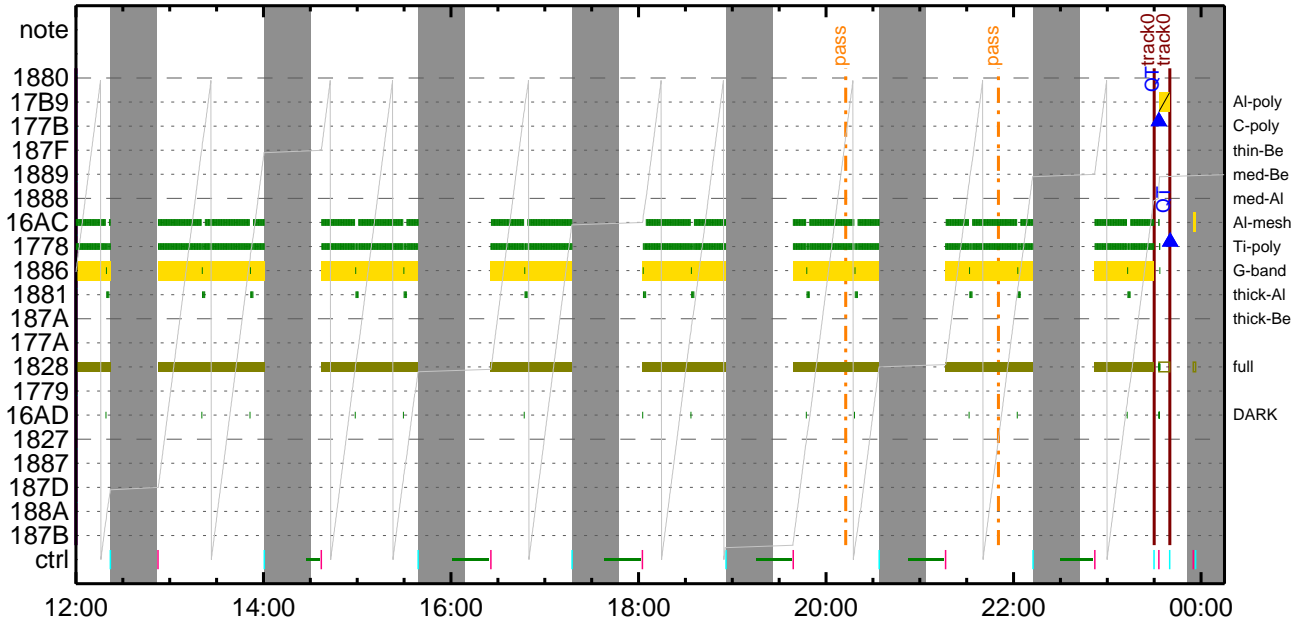
### CMDI #0974 2011/06/07



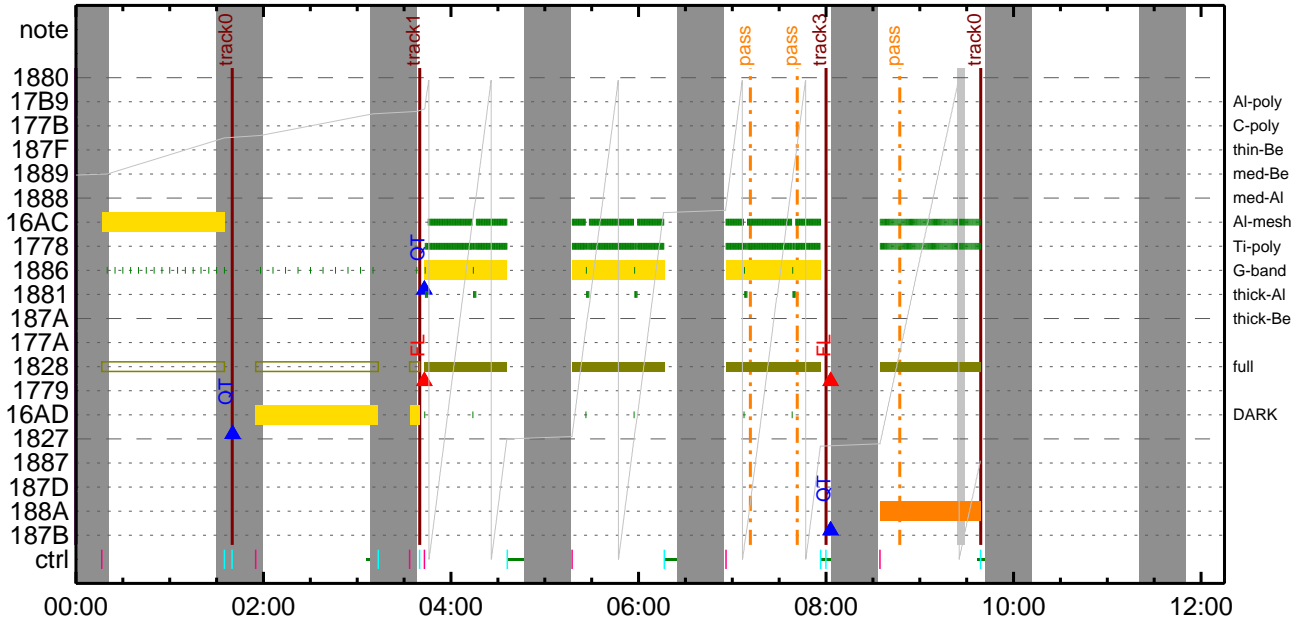
### CMDI #0974 2011/06/08



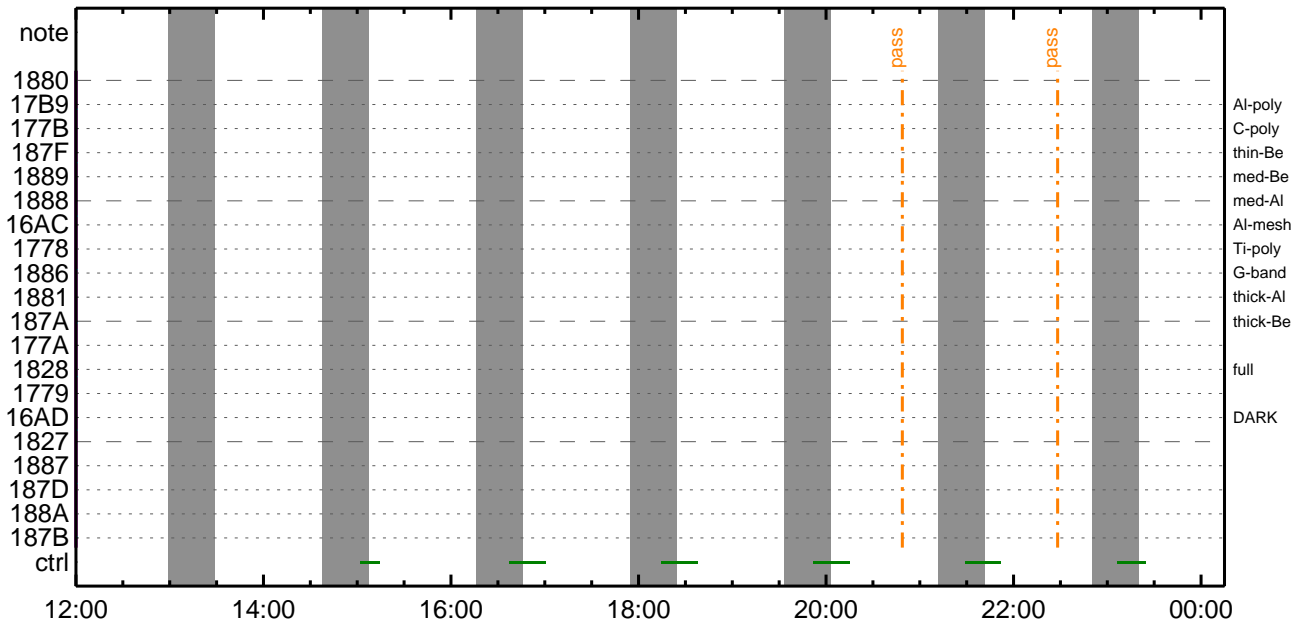
CMDI #0974 2011/06/08



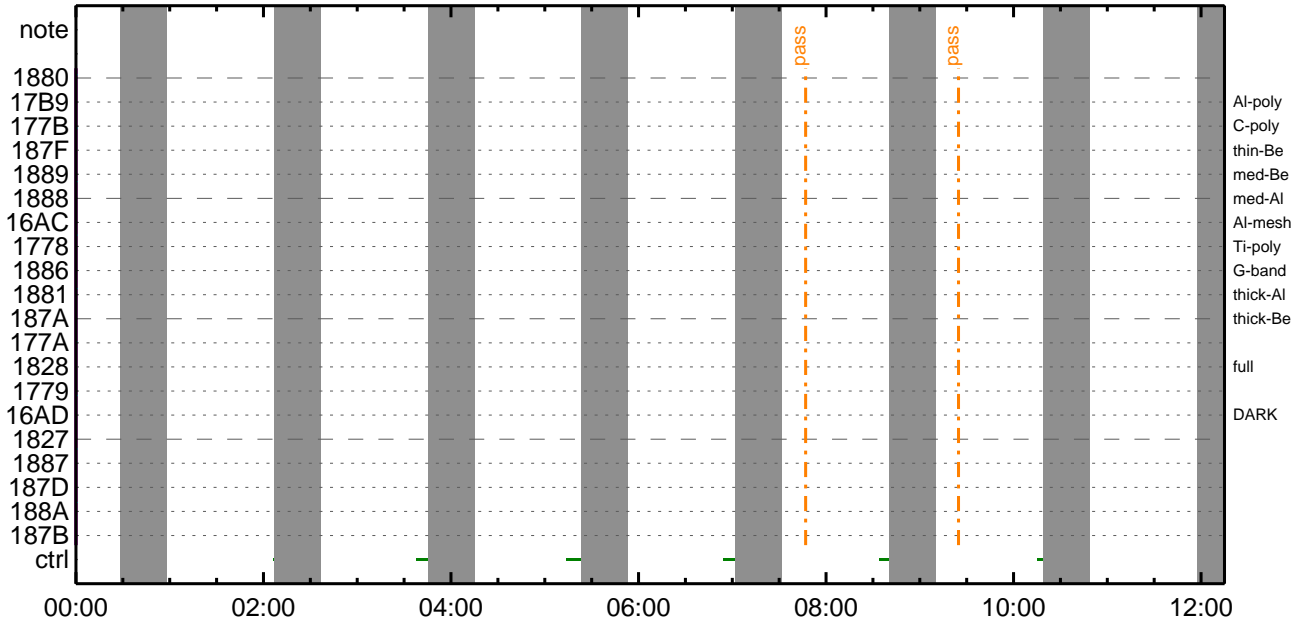
CMDI #0974 2011/06/09



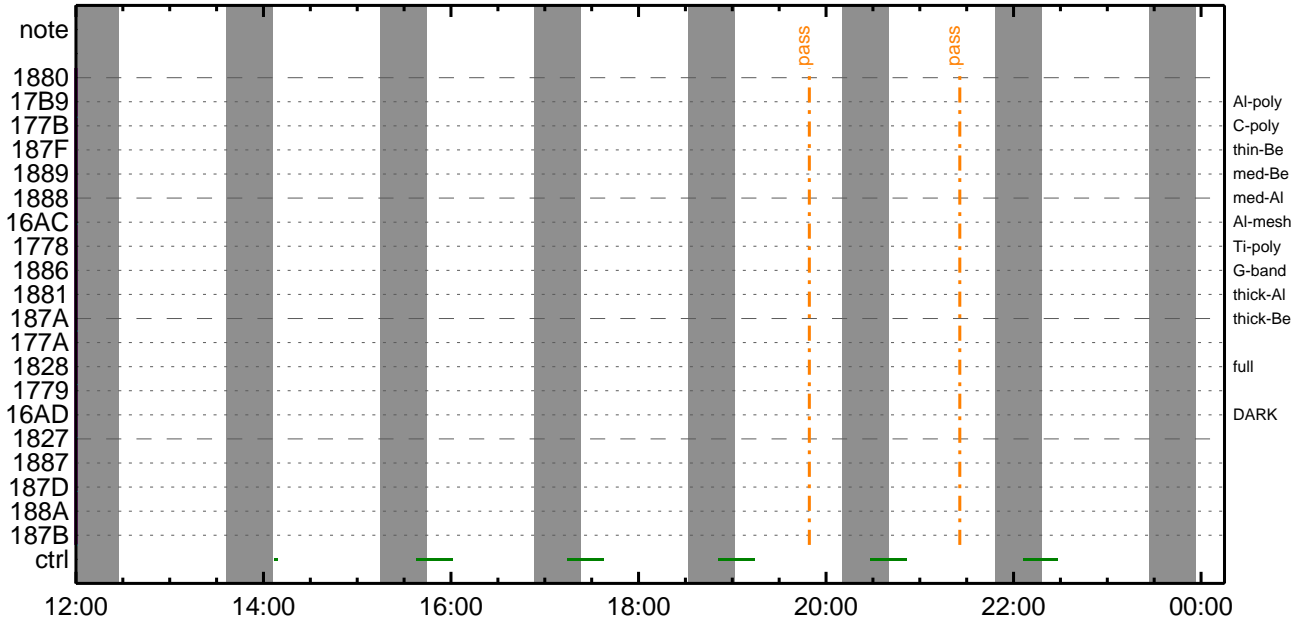
CMDI #0974 2011/06/09



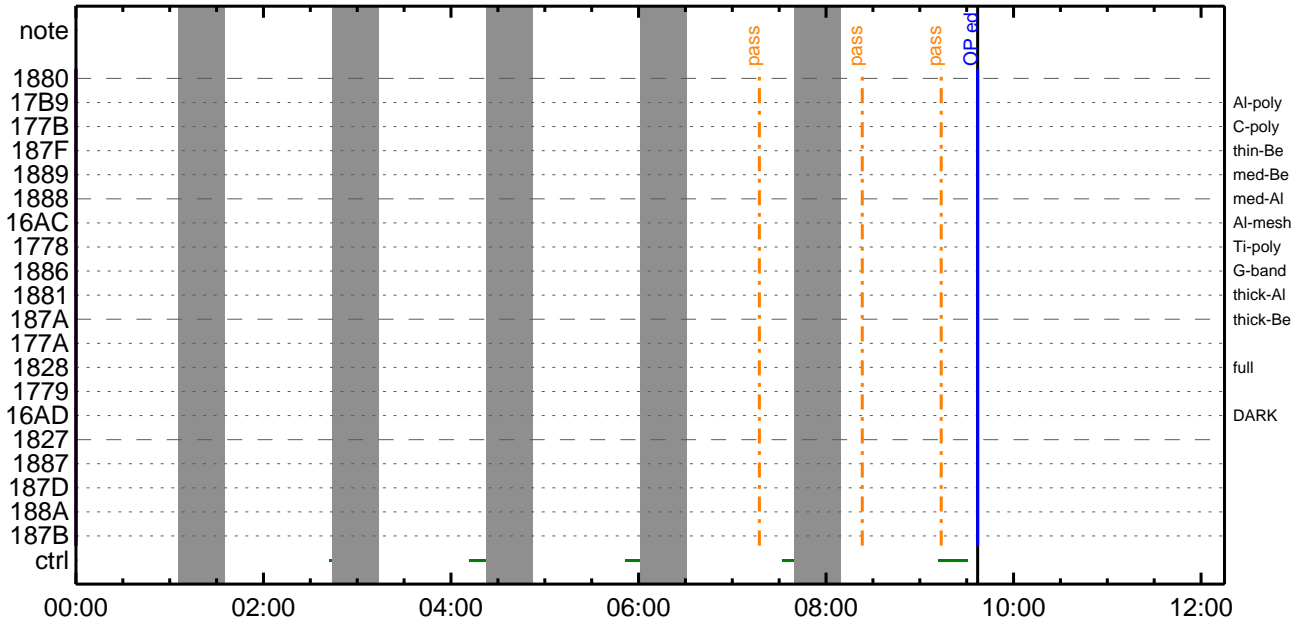
CMDI #0974 2011/06/10



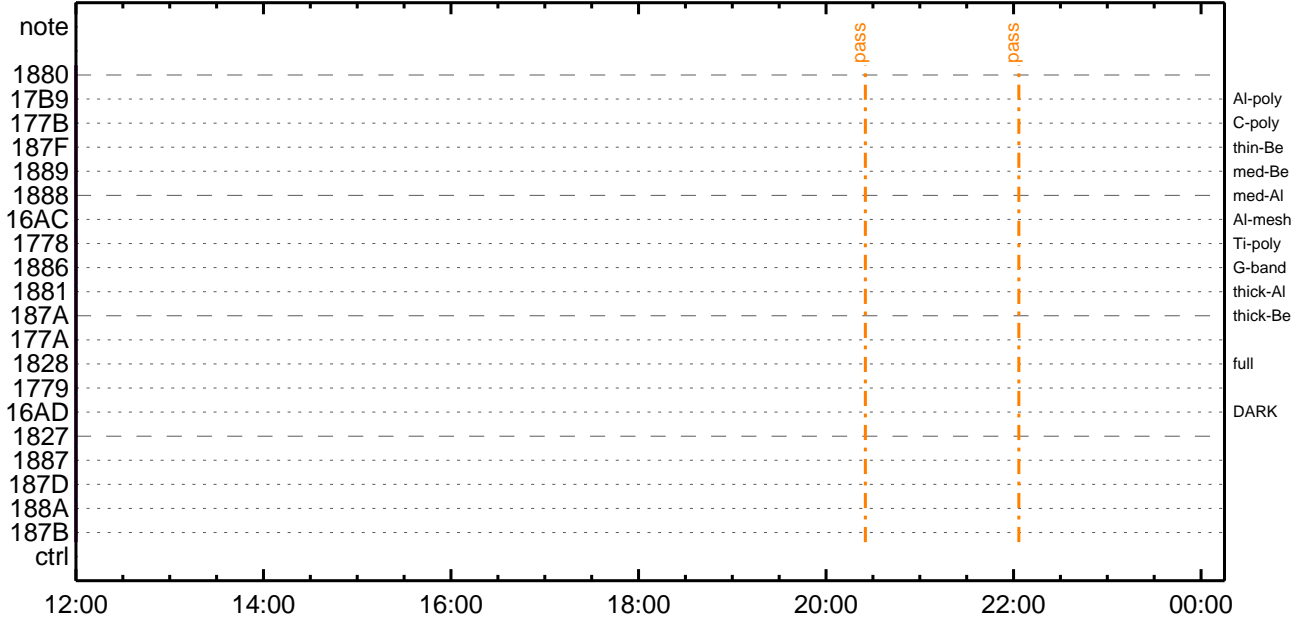
CMDI #0974 2011/06/10



CMDI #0974 2011/06/11



CMDI #0974 2011/06/11







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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-119:OP
0104 ( )
0105 S. OG og-119:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOXx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOXx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOXx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½A´¶Á°òEÉ-ò°Á÷¿@ (¼âµ-YAYOXx½ê½çòðÁÓÆòÇ¼ª°²òE¼î¹çòÇòâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î½i¹ç;ç°E²¼òîTI-CMDÁ÷¿@²î½Á¹Ô²°²E²ò²³òE;f
0180 C. ²²ò¿;çSET²EEDUMP²îE±²îY¹²ç¹Ô²|²³òE;f
0181 C.
0182 C. TIY³Y²YóYÉòðÁDî¿(UT)
0183 +. TI 2011-06-07 10:20:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2011-06-07 10:20:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2011-06-07 10:20:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2011-06-07 10:24:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C.  °Ê²¼öïÄë%ïíñöîŷÄÿ$ŷÄÿ¹âiÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ          ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ          4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ          DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ          0xB3
0204 C.
0205 C. *****
0206 C.  TIîŷ°èŷÄÿÖÿ×
0207 C. *****
0208 C.
0209 C.  TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]       EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]        EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]        EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]        EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]     EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]     EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]        EQ          EXEC
0224 C.
0225 C.  ŷÄÿÖÿ×½ªî»ò³îÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ          NON
0227 C.
0228 C.  RAM ID=TI_TBLîŷ°èŷÄÿ¹âiÛç.è²îOKò³îÇ§
0229 C.
0230 C.  DHUŷä;¼ŷÉ;Ê¼ŷ¼.ŷi;¼ŷÈ;Êòòîäö¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC          (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]        EQ          2
0234 C.          çç[HK1_PKT_GEN_TIME]        EQ          0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]     EQ          32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]     EQ          4M
0237 C.
0238 C. *****
0239 C.  SOT TI command set
0240 C. *****
0241 C.  Execute, after the success of OP upload.
0242 +. TI 2011-06-07 10:24:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC          (41)
0245 C. -----
0246 C.   HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C.  Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C.  Execute, after the success of OP upload.
0254 C.  Set EIS TI-commands
0255 +. TI 2011-06-07 10:24:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC          (21 02)
0258 +. TI 2011-06-07 10:24:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC          (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]      EQ          2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C.  Execute, after the success of OP upload.
0268 +. TI 2011-06-07 10:24:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC          (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]      EQ          1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C.
0275 C. ***** MDP ´üÃîî»ö¼ŷ¼öÊÄö¹öèDCBC.×²è *****
0276 C.  (¼ã°îŷÄÿÈŷËŷÉŷáŷçŷèè¼ö¼Ã»Üö¹è)
0277 C.  S. DC-BC dcbc-402:DCBC
0278 C.  (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷDŷ¹.İ Daily±çîñöÊ´Øö¹öèDCBC.×²è *****
0282 C.  S. DC-BC dcbc-153:DCBC
0283 C.  (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C.  ;ãLOSŷÄÿ$ŷÄÿ¹¼Ä»Ü;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

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```

0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 +. DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 5495780.2 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_MANU
0140 BC (21 02)
0141 . C. Verify EIS in MANUAL mode
0142 . C. Estimated OBSTBL upload time is 1m22s
0143 C. *****
0144 C. EIS START OBSTBL LOAD
0145 C. *****
0146 . S. RAM ram-820:EIS_OBSTBL
0147 ( )
0148 +. DC 07-FC EIS_DUMP_OBSTBL
0149 BC (07 07 07 00 00 70 00)
0150 C.
0151 C. Execute, after the success of OBSTBL upload.
0152 C. Set EIS TI-commands
0153 +. TI 2011-06-07 10:24:50.0
0154 DC 07-FC EIS_MODE_CHG_ENA
0155 BC (20)
0156 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0157 C. *****
0158 C. EIS END OBSTBL LOAD
0159 C. *****
0160 C.
0161 . C. ***** MDP 'úÃîî»ö¼ÝðĒĀð¹ñēDCBC•x²è *****
0162 C. (¼ā°îÝŌÝĀÝĒÝÞÝĒÝ¼Ýēñ¼¼ā»Ūñ¹ñē)
0163 . S. DC-BC dcbc-402:DCBC
0164 (MDP_known_event)
0165 C.
0166 C.
0167 . C. ***** ¥D¥¹•Ī Daily±¼ĪññĒ'Øñ¹ñēDCBC•x²è *****
0168 . S. DC-BC dcbc-153:DCBC
0169 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0170 C.
0171 C.
0172 . C. ;ãLOS¥Ā¥$¥Ā¥¹¼Ā»Ū;ã
0173 C.
0174 . C. ***** LOS *****
0175 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-121 2011-06-07 13:11:20 160 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Ü;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ÁíËø¿òÀø•μ°È×ÁÇøíY¿Y×Yí;¼YÉjËÈè%μ•ííËjËøÈ¼°Çòø•ø¿¼í¹çøí;çÁ®, ùø¹øèøøøÇÁ+¿®ø•øÉøøøøøÈj;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ?                OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ?                OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 85 83 08 08)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 20)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 08)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 08 20)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 80 06 06)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0c 80 60 20 18)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0d a0 80 18 20)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 + DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 +. DC 07-F0 MDP_XRT_AEC_RESET
0067 BC (d0)
0068 + DC 07-F0 MDP_XRT_ARS_DIS
0069 BC (d5)
0070 +. DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 0c)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 08)
0076 . C. ----- Success Verify ?                OK / NG ____
0077 C.
0078 C.
0079 . C. All OK?    Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2011-06-07 10:24:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ?                OK / NG ____
0087 C.
0088 C. ***** XRT END *****
0089 . C. *****
0090 C. SOT table upload
0091 C. *****
0092 . C. < Stop FG table >
0093 +. DC 07-F0 MDP_FG_CTRL_MANU
0094 BC (51)
0095 . C. -----
```

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0096 C. MDP_FG_CTRL_MODE = MANU [ ]
0097 C. -----
0098 C.
0099 . C. <Upload FG Observation Table>
0100 . S. RAM ram-262:MDP_OBS_F
0101 ( )
0102 C.
0103 . C. < Dump RAMID=MDP_OBS_F >
0104 +. DC 07-F0 MDP_DUMP_FGTBL
0105 BC (82 07 00 00 00 38 b8)
0106 C. -----
0107 C. MDP_OBS_F verify = OK/NG [ ]
0108 C. -----
0109 C.
0110 . C. < Upload DPL table >
0111 C.
0112 C. ¶ç¥Ã¥×¥í;¥É¶îÁ°¶ÈSTS_CHK¶ðOFF¶È¶¹¶ë
0113 C.
0114 . S. RAM ram-271:MDP_DPL
0115 ( )
0116 C.
0117 . C. < Dump RAMID=MDP_DPL >
0118 +. DC 07-F0 MDP_DUMP_FGTBL
0119 BC (82 07 00 38 b8 00 40)
0120 C. -----
0121 C. MDP_DPL verify = OK [ ]
0122 C. -----
0123 C.
0124 C. STS_CHK¶ðON¶È¶¹¶ë
0125 C.
0126 . C. < Update MDP DSC PAR1 >
0127 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0128 BC (4c)
0129 C. MDP_CMD_CODE = F04C0700 [ ]
0130 C. MDP_CMD_CNT (count-up 1) [ ]
0131 C. -----
0132 C.
0133 . C.
0134 C. *****
0135 C. SOT TI command set
0136 C. *****
0137 C. Execute, after the success of TBL upload.
0138 +. TI 2011-06-07 10:24:18.0
0139 DC 07-F0 MDP_SOT_MODE_OBSV
0140 BC (40)
0141 . C. -----
0142 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0143 C. -----
0144 C.
0145 C.
0146 . C. ***** MDP ¶úÃî¶î»ð¼Ý¶ÈÁ¶¹¶èDCBC·×²è *****
0147 C. (%ã°î¥Ö¥Ã¥È¥¶¥È¥ã¥ç¥è¶¼¶¶¼Á»Û¶¹¶ë)
0148 . S. DC-BC dcbc-402:DCBC
0149 (MDP_known_event)
0150 C.
0151 C.
0152 . C. ***** ¥Ð¥¹·î Daily±;îÑ¶È´Ø¶¹¶èDCBC·×²è *****
0153 . S. DC-BC dcbc-153:DCBC
0154 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0155 C.
0156 C.
0157 . C. ;ãLOS¥Ã¥§¥Ã¥¹¼Á»Û;ã
0158 C.
0159 . C. ***** LOS *****
0160 C.

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

|            |            |                                   |   |       |                   |  |  |  |
|------------|------------|-----------------------------------|---|-------|-------------------|--|--|--|
| 2011/06/07 | 10:34:54.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |
| 2011/06/07 | 10:34:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                   |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00       |  |  |  |
| 2011/06/07 | 10:35:00.0 | AOCS_Orе-point_Start_1_OG [0x097] |   |       |                   |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00    |  |  |  |
| 2011/06/07 | 10:35:16.0 | XRT_FLD_DIS_402_OG [0x192]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_DIS                   | 1 | 07-F0 | d9                |  |  |  |
| 2011/06/07 | 10:35:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLRCTRL_DIS               | 1 | 07-F0 | c9                |  |  |  |
| 2011/06/07 | 10:35:20.0 | XRT_ARS_DIS_438_OG [0x1b6]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |
| 2011/06/07 | 10:37:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 10             |  |  |  |
| 2011/06/07 | 10:38:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |
| 2011/06/07 | 10:49:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |
| 2011/06/07 | 10:50:00.0 | AOCS_Orе-point_Start_2_OG [0x098] |   |       |                   |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 ac cd |  |  |  |
| 2011/06/07 | 10:52:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                   |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00       |  |  |  |
| 2011/06/07 | 10:52:46.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8                |  |  |  |
| 2011/06/07 | 10:52:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8                |  |  |  |
| 2011/06/07 | 10:52:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0                |  |  |  |
| 2011/06/07 | 10:52:52.0 | XRT_ARS_DIS_431_OG [0x1af]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |
| 2011/06/07 | 10:52:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |
| 2011/06/07 | 10:52:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0b             |  |  |  |
| 2011/06/07 | 10:52:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 08             |  |  |  |
| 2011/06/07 | 10:53:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |
| 2011/06/07 | 11:05:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |
| 2011/06/07 | 11:06:00.0 | AOCS_Orе-point_Start_3_OG [0x099] |   |       |                   |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 d6 67 |  |  |  |
| 2011/06/07 | 11:08:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                   |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00       |  |  |  |
| 2011/06/07 | 11:08:46.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8                |  |  |  |
| 2011/06/07 | 11:08:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8                |  |  |  |
| 2011/06/07 | 11:08:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0                |  |  |  |
| 2011/06/07 | 11:08:52.0 | XRT_ARS_DIS_431_OG [0x1af]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |
| 2011/06/07 | 11:08:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |
| 2011/06/07 | 11:08:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0b             |  |  |  |
| 2011/06/07 | 11:08:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 08             |  |  |  |
| 2011/06/07 | 11:09:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |
| 2011/06/07 | 11:21:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |
| 2011/06/07 | 11:22:00.5 | AOCS_Orе-point_Start_1_OG [0x097] |   |       |                   |  |  |  |
|            |            | AOCU_NM                           | 5 | 02-76 | 00 00 00 00 00 00 |  |  |  |
| 2011/06/07 | 11:24:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] |   |       |                   |  |  |  |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 | 22 ff aa 00       |  |  |  |
| 2011/06/07 | 11:24:46.0 | XRT_FLD_ENA_411_OG [0x19b]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 | d8                |  |  |  |
| 2011/06/07 | 11:24:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 | c8                |  |  |  |
| 2011/06/07 | 11:24:50.0 | XRT_AEC_RESET_443_OG [0x1bb]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 | d0                |  |  |  |
| 2011/06/07 | 11:24:52.0 | XRT_ARS_DIS_431_OG [0x1af]        |   |       |                   |  |  |  |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 | d5                |  |  |  |
| 2011/06/07 | 11:24:54.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |
| 2011/06/07 | 11:24:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 | c4 0b             |  |  |  |
| 2011/06/07 | 11:24:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 | c5 08             |  |  |  |
| 2011/06/07 | 11:25:00.0 | XRT_CTRL_AUTO_406_OG [0x196]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 | c0                |  |  |  |
| 2011/06/07 | 11:45:00.0 | XRT_CTRL_MANU_408_OG [0x198]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 | c1                |  |  |  |
| 2011/06/07 | 11:45:02.0 | XRT_FLD_RESET_412_OG [0x19c]      |   |       |                   |  |  |  |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 | da                |  |  |  |
| 2011/06/07 | 11:45:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 | e8                |  |  |  |
| 2011/06/07 | 11:48:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]    |   |       |                   |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 | e9                |  |  |  |
| 2011/06/07 | 12:14:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      |   |       |                   |  |  |  |

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|            |            |                                   |                     |   |       |                |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2011/06/07 | 12:14:30.0 | AOCS_ORe-point_Start_4_OG [0x09a] | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
|            |            |                                   | AOCU_NM             | 5 | 02-76 | 00 00 00 29 99 |
| 2011/06/07 | 12:16:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |
| 2011/06/07 | 12:17:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |
| 2011/06/07 | 12:17:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |
| 2011/06/07 | 12:17:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |
| 2011/06/07 | 12:17:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |
| 2011/06/07 | 12:17:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2011/06/07 | 12:17:26.0 | XRT_QT_PROG_SET_446_OG [0x1be]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |
| 2011/06/07 | 12:17:28.0 | XRT_FL_PROG_SET_414_OG [0x19e]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |
| 2011/06/07 | 12:17:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |
| 2011/06/07 | 12:30:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
| 2011/06/07 | 12:30:30.0 | AOCS_ORe-point_Start_5_OG [0x09b] | AOCU_NM             | 5 | 02-76 | 00 00 00 53 33 |
| 2011/06/07 | 12:32:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |
| 2011/06/07 | 12:33:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |
| 2011/06/07 | 12:33:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |
| 2011/06/07 | 12:33:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |
| 2011/06/07 | 12:33:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |
| 2011/06/07 | 12:33:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2011/06/07 | 12:33:26.0 | XRT_QT_PROG_SET_446_OG [0x1be]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |
| 2011/06/07 | 12:33:28.0 | XRT_FL_PROG_SET_414_OG [0x19e]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |
| 2011/06/07 | 12:33:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |
| 2011/06/07 | 12:46:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
| 2011/06/07 | 12:46:30.0 | AOCS_ORe-point_Start_6_OG [0x09c] | AOCU_NM             | 5 | 02-76 | 00 d6 36 b7 8e |
| 2011/06/07 | 12:48:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |
| 2011/06/07 | 12:49:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |
| 2011/06/07 | 12:49:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |
| 2011/06/07 | 12:49:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |
| 2011/06/07 | 12:49:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |
| 2011/06/07 | 12:49:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2011/06/07 | 12:49:26.0 | XRT_QT_PROG_SET_446_OG [0x1be]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |
| 2011/06/07 | 12:49:28.0 | XRT_FL_PROG_SET_414_OG [0x19e]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |
| 2011/06/07 | 12:49:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |
| 2011/06/07 | 12:56:24.0 | XRT_CTRL_MANU_439_OG [0x1b7]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
| 2011/06/07 | 12:56:30.0 | AOCS_ORe-point_Start_7_OG [0x09d] | AOCU_NM             | 5 | 02-76 | 00 b4 b5 db 75 |
| 2011/06/07 | 12:58:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |
| 2011/06/07 | 12:59:16.0 | XRT_FLD_ENA_411_OG [0x19b]        | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |
| 2011/06/07 | 12:59:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |
| 2011/06/07 | 12:59:20.0 | XRT_AEC_RESET_443_OG [0x1bb]      | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |
| 2011/06/07 | 12:59:22.0 | XRT_ARS_DIS_431_OG [0x1af]        | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |
| 2011/06/07 | 12:59:24.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2011/06/07 | 12:59:26.0 | XRT_QT_PROG_SET_446_OG [0x1be]    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |
| 2011/06/07 | 12:59:28.0 | XRT_FL_PROG_SET_414_OG [0x19e]    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |
| 2011/06/07 | 12:59:30.0 | XRT_CTRL_AUTO_406_OG [0x196]      | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |
| 2011/06/07 | 13:23:00.0 | XRT_CTRL_MANU_408_OG [0x198]      | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |
| 2011/06/07 | 13:23:02.0 | XRT_FLD_RESET_412_OG [0x19c]      | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |
| 2011/06/07 | 13:23:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |



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|            |            |                                    |                     |   |       |                |  |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2011/06/07 | 13:26:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2011/06/07 | 13:52:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/06/07 | 13:53:00.0 | AOCS_ORe-point_Start_8_OG [0x09e]  | AOCU_NM             | 5 | 02-76 | 00 ac 5b 00 00 |  |
| 2011/06/07 | 13:55:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/06/07 | 13:55:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/06/07 | 13:55:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/06/07 | 13:55:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/06/07 | 13:55:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/06/07 | 13:55:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/06/07 | 13:55:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |  |
| 2011/06/07 | 13:55:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |  |
| 2011/06/07 | 13:56:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/06/07 | 14:08:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/06/07 | 14:09:00.0 | AOCS_ORe-point_Start_9_OG [0x09f]  | AOCU_NM             | 5 | 02-76 | 00 b4 b5 24 8b |  |
| 2011/06/07 | 14:11:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/06/07 | 14:11:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/06/07 | 14:11:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/06/07 | 14:11:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/06/07 | 14:11:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/06/07 | 14:11:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/06/07 | 14:11:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |  |
| 2011/06/07 | 14:11:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |  |
| 2011/06/07 | 14:12:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/06/07 | 14:24:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/06/07 | 14:25:00.0 | AOCS_ORe-point_Start_10_OG [0x0a0] | AOCU_NM             | 5 | 02-76 | 00 d6 36 48 72 |  |
| 2011/06/07 | 14:27:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/06/07 | 14:27:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/06/07 | 14:27:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/06/07 | 14:27:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/06/07 | 14:27:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/06/07 | 14:27:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/06/07 | 14:27:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |  |
| 2011/06/07 | 14:27:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |  |
| 2011/06/07 | 14:28:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/06/07 | 14:34:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/06/07 | 14:35:00.0 | AOCS_ORe-point_Start_11_OG [0x0a1] | AOCU_NM             | 5 | 02-76 | 00 29 ca b7 8e |  |
| 2011/06/07 | 14:37:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2011/06/07 | 14:37:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2011/06/07 | 14:37:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2011/06/07 | 14:37:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2011/06/07 | 14:37:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2011/06/07 | 14:37:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2011/06/07 | 14:37:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0b          |  |
| 2011/06/07 | 14:37:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |  |
| 2011/06/07 | 14:38:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2011/06/07 | 14:44:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2011/06/07 | 14:45:00.0 | AOCS_ORe-point_Start_12_OG [0x0a2] |                     |   |       |                |  |

|            |            |                                    |                     |   |       |    |    |    |    |    |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|----|----|
| 2011/06/07 | 14:47:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | AOCU_NM             | 5 | 02-76 | 00 | 4b | 4b | db | 75 |
|            |            | XRT_FOCUS_POSITION                 |                     | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2011/06/07 | 14:47:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 |    | d8 |    |    |    |
| 2011/06/07 | 14:47:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 |    | c8 |    |    |    |
| 2011/06/07 | 14:47:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 |    | d0 |    |    |    |
| 2011/06/07 | 14:47:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 |    | d5 |    |    |    |
| 2011/06/07 | 14:47:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 |    | da |    |    |    |
| 2011/06/07 | 14:47:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 |    | c4 | 0b |    |    |
| 2011/06/07 | 14:47:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 |    | c5 | 08 |    |    |
| 2011/06/07 | 14:48:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 |    | c0 |    |    |    |
| 2011/06/07 | 15:01:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 |    | c1 |    |    |    |
| 2011/06/07 | 15:01:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 |    | da |    |    |    |
| 2011/06/07 | 15:01:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 |    | e8 |    |    |    |
| 2011/06/07 | 15:04:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 |    | e9 |    |    |    |
| 2011/06/07 | 15:39:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |    |
| 2011/06/07 | 15:40:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 |    | c0 |    |    |    |
| 2011/06/07 | 15:41:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 |    | c1 |    |    |    |
| 2011/06/07 | 15:41:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 |    | da |    |    |    |
| 2011/06/07 | 15:41:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 |    | e8 |    |    |    |
| 2011/06/07 | 15:44:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 |    | e9 |    |    |    |
| 2011/06/07 | 15:48:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |    |
| 2011/06/07 | 15:49:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 |    | c0 |    |    |    |
| 2011/06/07 | 15:53:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 |    | c1 |    |    |    |
| 2011/06/07 | 15:54:00.0 | AOCS_OrE-point_Start_13_OG [0x0a3] |                     |   |       |    |    |    |    |    |
| 2011/06/07 | 15:56:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | AOCU_NM             | 5 | 02-76 | 00 | 53 | a5 | 00 | 00 |
|            |            | XRT_FOCUS_POSITION                 |                     | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2011/06/07 | 15:56:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 |    | d8 |    |    |    |
| 2011/06/07 | 15:56:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 |    | c8 |    |    |    |
| 2011/06/07 | 15:56:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 |    | d0 |    |    |    |
| 2011/06/07 | 15:56:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 |    | d5 |    |    |    |
| 2011/06/07 | 15:56:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 |    | da |    |    |    |
| 2011/06/07 | 15:56:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 |    | c4 | 0b |    |    |
| 2011/06/07 | 15:56:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 |    | c5 | 08 |    |    |
| 2011/06/07 | 15:57:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 |    | c0 |    |    |    |
| 2011/06/07 | 16:09:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 |    | c1 |    |    |    |
| 2011/06/07 | 16:10:00.0 | AOCS_OrE-point_Start_14_OG [0x0a4] |                     |   |       |    |    |    |    |    |
| 2011/06/07 | 16:12:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | AOCU_NM             | 5 | 02-76 | 00 | 4b | 4b | 24 | 8b |
|            |            | XRT_FOCUS_POSITION                 |                     | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2011/06/07 | 16:12:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 |    | d8 |    |    |    |
| 2011/06/07 | 16:12:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 |    | c8 |    |    |    |
| 2011/06/07 | 16:12:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 |    | d0 |    |    |    |
| 2011/06/07 | 16:12:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 |    | d5 |    |    |    |
| 2011/06/07 | 16:12:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 |    | da |    |    |    |
| 2011/06/07 | 16:12:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 |    | c4 | 0b |    |    |
| 2011/06/07 | 16:12:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 |    | c5 | 08 |    |    |
| 2011/06/07 | 16:13:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 |    | c0 |    |    |    |
| 2011/06/07 | 16:25:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 |    | c1 |    |    |    |
| 2011/06/07 | 16:26:00.0 | AOCS_OrE-point_Start_15_OG [0x0a5] |                     |   |       |    |    |    |    |    |
| 2011/06/07 | 16:28:26.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | AOCU_NM             | 5 | 02-76 | 00 | 29 | db | 48 | 72 |
|            |            | XRT_FOCUS_POSITION                 |                     | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2011/06/07 | 16:28:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 |    | d8 |    |    |    |

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|            |            |                                    |                     |   |       |    |             |
|------------|------------|------------------------------------|---------------------|---|-------|----|-------------|
| 2011/06/07 | 16:28:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |             |
| 2011/06/07 | 16:28:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |             |
| 2011/06/07 | 16:28:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |             |
| 2011/06/07 | 16:28:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 16:28:56.0 | XRT_QT_PROG_SET_446_OG [0x1be]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0b          |
| 2011/06/07 | 16:28:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08          |
| 2011/06/07 | 16:29:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 16:35:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 16:36:00.0 | AOCS_OrE-point_Start_16_OG [0x0a6] | AOCU_NM             | 5 | 02-76 | 02 | 00 00 00 00 |
| 2011/06/07 | 16:38:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe 97 00    |
| 2011/06/07 | 16:38:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |             |
| 2011/06/07 | 16:38:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |             |
| 2011/06/07 | 16:38:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |             |
| 2011/06/07 | 16:38:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |             |
| 2011/06/07 | 16:38:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 16:38:56.0 | XRT_QT_PROG_SET_428_OG [0x1ac]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c          |
| 2011/06/07 | 16:38:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08          |
| 2011/06/07 | 16:39:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 16:40:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 16:40:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 16:40:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/06/07 | 16:43:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/06/07 | 17:25:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |             |
| 2011/06/07 | 17:26:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 18:18:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 18:18:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 18:18:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/06/07 | 18:21:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/06/07 | 19:01:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |             |
| 2011/06/07 | 19:02:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 19:57:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 19:57:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 19:57:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/06/07 | 20:00:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/06/07 | 20:39:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |             |
| 2011/06/07 | 20:40:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 21:35:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 21:35:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 21:35:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/06/07 | 21:38:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/06/07 | 22:15:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |             |
| 2011/06/07 | 22:16:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 23:14:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |
| 2011/06/07 | 23:14:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |             |
| 2011/06/07 | 23:14:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |             |
| 2011/06/07 | 23:17:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |             |
| 2011/06/07 | 23:44:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |             |
| 2011/06/07 | 23:45:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |             |
| 2011/06/07 | 23:59:54.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |             |

|            |            |                                    |                     |   |       |    |    |    |    |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|----|
| 2011/06/07 | 23:59:56.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa | 00 |
| 2011/06/08 | 00:00:00.0 | AOCS_Ore-point_Start_1_OG [0x097]  | AOCU_NM             | 5 | 02-76 | 00 | 00 | 00 | 00 |
| 2011/06/08 | 00:00:16.0 | XRT_FLD_DIS_402_OG [0x192]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |    |    |    |
| 2011/06/08 | 00:00:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |    |    |    |
| 2011/06/08 | 00:00:20.0 | XRT_ARS_DIS_438_OG [0x1b6]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |
| 2011/06/08 | 00:02:58.0 | XRT_QT_PROG_SET_434_OG [0x1b2]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 |    |    |
| 2011/06/08 | 00:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 00:09:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 00:10:00.0 | AOCS_Ore-point_Start_16_OG [0x0a6] | AOCU_NM             | 5 | 02-76 | 02 | 00 | 00 | 00 |
| 2011/06/08 | 00:12:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |
| 2011/06/08 | 00:12:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |    |
| 2011/06/08 | 00:12:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |    |
| 2011/06/08 | 00:12:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |    |
| 2011/06/08 | 00:12:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |
| 2011/06/08 | 00:12:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 00:12:56.0 | XRT_QT_PROG_SET_428_OG [0x1ac]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c |    |    |
| 2011/06/08 | 00:12:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 |    |    |
| 2011/06/08 | 00:13:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 00:52:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 00:52:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 00:52:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/06/08 | 00:55:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/06/08 | 01:22:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |
| 2011/06/08 | 01:23:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 02:29:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 02:29:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 02:29:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/06/08 | 02:32:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/06/08 | 03:01:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |
| 2011/06/08 | 03:02:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 03:58:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 03:58:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 03:58:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/06/08 | 04:01:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/06/08 | 04:39:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |
| 2011/06/08 | 04:40:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 05:38:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 05:38:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 05:38:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/06/08 | 05:41:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/06/08 | 06:18:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |
| 2011/06/08 | 06:19:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 07:19:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |
| 2011/06/08 | 07:19:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |
| 2011/06/08 | 07:19:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |
| 2011/06/08 | 07:22:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |
| 2011/06/08 | 07:56:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |
| 2011/06/08 | 07:57:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |
| 2011/06/08 | 07:59:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |

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|            |            |                                    |                     |   |       |    |    |    |    |    |
|------------|------------|------------------------------------|---------------------|---|-------|----|----|----|----|----|
| 2011/06/08 | 08:00:00.0 | AOCS_ORe-point_Start_17_OG [0x0a7] | AOCU_NM             | 5 | 02-76 | 04 | 00 | 00 | 00 | 00 |
| 2011/06/08 | 08:02:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |    |
| 2011/06/08 | 08:02:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |    |    |
| 2011/06/08 | 08:02:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |    |    |
| 2011/06/08 | 08:02:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |    |    |
| 2011/06/08 | 08:02:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |    |
| 2011/06/08 | 08:02:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |    |
| 2011/06/08 | 08:02:56.0 | XRT_QT_PROG_SET_420_OG [0x1a4]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 |    |    |    |
| 2011/06/08 | 08:02:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 |    |    |    |
| 2011/06/08 | 08:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 08:58:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |
| 2011/06/08 | 08:58:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |    |
| 2011/06/08 | 08:58:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |    |
| 2011/06/08 | 09:01:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |    |
| 2011/06/08 | 09:35:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |    |
| 2011/06/08 | 09:36:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 09:59:54.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |
| 2011/06/08 | 09:59:56.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | ff | aa | 00 |    |
| 2011/06/08 | 10:00:00.0 | AOCS_ORe-point_Start_1_OG [0x097]  | AOCU_NM             | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2011/06/08 | 10:00:16.0 | XRT_FLD_DIS_402_OG [0x192]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9 |    |    |    |    |
| 2011/06/08 | 10:00:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |    |    |    |    |
| 2011/06/08 | 10:00:20.0 | XRT_ARS_DIS_438_OG [0x1b6]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |    |
| 2011/06/08 | 10:02:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 |    |    |    |
| 2011/06/08 | 10:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 10:09:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |
| 2011/06/08 | 10:10:00.0 | AOCS_ORe-point_Start_16_OG [0x0a6] | AOCU_NM             | 5 | 02-76 | 02 | 00 | 00 | 00 | 00 |
| 2011/06/08 | 10:12:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 | fe | 97 | 00 |    |
| 2011/06/08 | 10:12:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8 |    |    |    |    |
| 2011/06/08 | 10:12:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |    |    |    |    |
| 2011/06/08 | 10:12:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0 |    |    |    |    |
| 2011/06/08 | 10:12:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5 |    |    |    |    |
| 2011/06/08 | 10:12:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |    |
| 2011/06/08 | 10:12:56.0 | XRT_QT_PROG_SET_428_OG [0x1ac]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0c |    |    |    |
| 2011/06/08 | 10:12:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 08 |    |    |    |
| 2011/06/08 | 10:13:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 10:41:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |
| 2011/06/08 | 10:41:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |    |
| 2011/06/08 | 10:41:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |    |
| 2011/06/08 | 10:44:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |    |
| 2011/06/08 | 11:13:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |    |
| 2011/06/08 | 11:14:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 12:22:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |
| 2011/06/08 | 12:22:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da |    |    |    |    |
| 2011/06/08 | 12:22:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |    |    |    |    |
| 2011/06/08 | 12:25:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |    |    |    |    |
| 2011/06/08 | 12:51:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |    |    |    |    |    |
| 2011/06/08 | 12:52:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0 |    |    |    |    |
| 2011/06/08 | 14:00:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1 |    |    |    |    |

|            |            |                                    |                     |   |       |                |  |  |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|--|
| 2011/06/08 | 14:00:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 14:00:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 14:03:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 14:36:00.5 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 14:37:00.5 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 15:39:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 15:39:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 15:39:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 15:42:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 16:24:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 16:25:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 17:17:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 17:17:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 17:17:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 17:20:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 18:01:30.5 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 18:02:30.5 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 18:56:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 18:56:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 18:56:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 18:59:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 19:38:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 19:39:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 20:34:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 20:34:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 20:34:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 20:37:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 21:15:30.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 21:16:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 22:12:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 22:12:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |
| 2011/06/08 | 22:12:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |
| 2011/06/08 | 22:15:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |
| 2011/06/08 | 22:51:00.0 | XRT_Custom_418_OG [0x1a2]          |                     |   |       |                |  |  |
| 2011/06/08 | 22:52:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 23:29:54.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 23:29:56.0 | XRT_FOCUS_POSITION_401_OG [0x191]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |  |
| 2011/06/08 | 23:30:00.0 | AOCS_Ore-point_Start_1_OG [0x097]  | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |  |
| 2011/06/08 | 23:30:16.0 | XRT_FLD_DIS_402_OG [0x192]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |
| 2011/06/08 | 23:30:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |
| 2011/06/08 | 23:30:20.0 | XRT_ARS_DIS_438_OG [0x1b6]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |
| 2011/06/08 | 23:32:58.0 | XRT_QT_PROG_SET_434_OG [0x1b2]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 13          |  |  |
| 2011/06/08 | 23:33:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |
| 2011/06/08 | 23:39:54.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |
| 2011/06/08 | 23:39:56.0 | XRT_FOCUS_POSITION_445_OG [0x1bd]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |
| 2011/06/08 | 23:40:00.0 | AOCS_Ore-point_Start_18_OG [0x0a8] | AOCU_NM             | 5 | 02-76 | 00 ac 00 00 00 |  |  |
| 2011/06/08 | 23:40:16.0 | XRT_QT_PROG_SET_429_OG [0x1ad]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0e          |  |  |
| 2011/06/08 | 23:40:18.0 | XRT_FLD_DIS_423_OG [0x1a7]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |
| 2011/06/08 | 23:40:20.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |
| 2011/06/08 | 23:40:22.0 | XRT_ARS_DIS_437_OG [0x1b5]         |                     |   |       |                |  |  |

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|            |            |                                    |                     |   |       |                |  |  |  |  |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2011/06/08 | 23:55:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/06/08 | 23:56:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/08 | 23:56:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/08 | 23:56:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/08 | 23:59:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 00:15:30.0 | XRT_Custom_418_OG [0x1a2]          | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 00:16:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 01:35:00.5 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 01:35:02.5 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 01:35:04.5 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 01:38:14.5 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 01:39:54.0 | XRT_CTRL_MANU_400_OG [0x190]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 01:39:56.0 | XRT_FOCUS_POSITION_445_OG [0x1bd]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/06/09 | 01:40:00.0 | AOCS_ORe-point_Start_19_OG [0x0a9] | AOCU_NM             | 5 | 02-76 | 00 00 00 54 00 |  |  |  |  |
| 2011/06/09 | 01:40:16.0 | XRT_QT_PROG_SET_432_OG [0x1b0]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 06          |  |  |  |  |
| 2011/06/09 | 01:40:18.0 | XRT_FLD_DIS_423_OG [0x1a7]         | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |  |  |  |
| 2011/06/09 | 01:40:20.0 | XRT_FLRCTRL_DIS_425_OG [0x1a9]     | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |  |  |  |
| 2011/06/09 | 01:40:22.0 | XRT_ARS_DIS_437_OG [0x1b5]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/06/09 | 01:55:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 03:13:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 03:13:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 03:13:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 03:16:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 03:32:30.0 | XRT_Custom_418_OG [0x1a2]          | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 03:33:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 03:39:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 03:40:00.0 | AOCS_ORe-point_Start_20_OG [0x0aa] | AOCU_NM             | 5 | 02-76 | 01 00 00 00 00 |  |  |  |  |
| 2011/06/09 | 03:42:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/06/09 | 03:42:46.0 | XRT_FLD_ENA_411_OG [0x19b]         | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |  |  |  |
| 2011/06/09 | 03:42:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |  |  |  |
| 2011/06/09 | 03:42:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |  |  |  |
| 2011/06/09 | 03:42:52.0 | XRT_ARS_DIS_431_OG [0x1af]         | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/06/09 | 03:42:54.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 03:42:56.0 | XRT_QT_PROG_SET_428_OG [0x1ac]     | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0c          |  |  |  |  |
| 2011/06/09 | 03:42:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 08          |  |  |  |  |
| 2011/06/09 | 03:43:00.0 | XRT_CTRL_AUTO_406_OG [0x196]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 04:36:00.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 04:36:02.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 04:36:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 04:39:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 05:16:30.0 | XRT_Custom_418_OG [0x1a2]          | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 05:17:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 06:16:30.0 | XRT_CTRL_MANU_408_OG [0x198]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 06:16:32.0 | XRT_FLD_RESET_412_OG [0x19c]       | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 06:16:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 06:19:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 06:55:00.0 | XRT_Custom_418_OG [0x1a2]          | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 06:56:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |  |  |  |

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|------------|------------|------------------------------------|---|-------|----------------|--|--|--|--|
| 2011/06/09 | 07:56:30.0 | XRT_CTRL_MANU_408_OG [0x198]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 07:56:32.0 | XRT_FLD_RESET_412_OG [0x19c]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 07:56:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |  |  |  |  |
| 2011/06/09 | 07:59:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |  |  |  |  |
| 2011/06/09 | 07:59:54.0 | XRT_CTRL_MANU_439_OG [0x1b7]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 08:00:00.0 | AOCS_ORe-point_Start_21_OG [0x0ab] |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 03 00 00 00 00 |  |  |  |  |
| 2011/06/09 | 08:02:26.0 | XRT_FOCUS_POSITION_409_OG [0x199]  |   |       |                |  |  |  |  |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 fe 97 00    |  |  |  |  |
| 2011/06/09 | 08:02:46.0 | XRT_FLD_ENA_411_OG [0x19b]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |  |  |  |  |
| 2011/06/09 | 08:02:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |  |  |  |  |
| 2011/06/09 | 08:02:50.0 | XRT_AEC_RESET_443_OG [0x1bb]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |  |  |  |  |
| 2011/06/09 | 08:02:52.0 | XRT_ARS_DIS_431_OG [0x1af]         |   |       |                |  |  |  |  |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |  |  |  |  |
| 2011/06/09 | 08:02:54.0 | XRT_FLD_RESET_412_OG [0x19c]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |  |  |  |  |
| 2011/06/09 | 08:02:56.0 | XRT_QT_PROG_SET_420_OG [0x1a4]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 02          |  |  |  |  |
| 2011/06/09 | 08:02:58.0 | XRT_FL_PROG_SET_414_OG [0x19e]     |   |       |                |  |  |  |  |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 08          |  |  |  |  |
| 2011/06/09 | 08:33:30.0 | XRT_Custom_418_OG [0x1a2]          |   |       |                |  |  |  |  |
| 2011/06/09 | 08:34:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |  |  |  |  |
| 2011/06/09 | 09:38:54.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |       |                |  |  |  |  |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |  |  |  |  |
| 2011/06/09 | 09:39:00.0 | AOCS_ORe-point_Start_1_OG [0x097]  |   |       |                |  |  |  |  |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 00 00 00 00 |  |  |  |  |