

# XRT Timeline to be uploaded on 2012/12/04

Period: 2012/12/04 10:51:00 - 2012/12/08 10:04:00

\* \* \* \* \*

## Normal mode

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| XOB #1915: HOP130-Synoptic 3 Filter- 2x2 Q95 (Almesh 12/723ms; Tipoly 24/1443ms; Althick 65536ms) |  |                   |  |          |      |              |       |     |     |                        |  |       |            |          |        |
|---------------------------------------------------------------------------------------------------|--|-------------------|--|----------|------|--------------|-------|-----|-----|------------------------|--|-------|------------|----------|--------|
| Term                                                                                              |  | Pointing (x, y)   |  |          |      | Comment      |       |     |     |                        |  |       |            |          |        |
| 12/04 11:40:00 - 12/04 11:52:54                                                                   |  | Fixed ( 0.0, 0.0) |  |          |      | HOP130 #3/15 |       |     |     |                        |  |       |            |          |        |
| PROG= 02                                                                                          |  | 2-time(s)         |  |          |      |              |       |     |     |                        |  |       |            |          |        |
| └ Subr= 1                                                                                         |  | 1-time(s)         |  | 180.0sec |      |              |       |     |     |                        |  |       |            |          |        |
| └ Seqn= 56                                                                                        |  | 1-time(s)         |  | 25.0sec  |      |              |       |     |     |                        |  |       |            |          |        |
| └┐ Open/Al-mesh                                                                                   |  | Open/Al-mesh      |  | close    | Safe | Norm         | 12ms  | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |
| └┐ Open/Al-mesh                                                                                   |  | Open/Al-mesh      |  | close    | Safe | Norm         | 707ms | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |
| └ Seqn= 46                                                                                        |  | 1-time(s)         |  | 25.0sec  |      |              |       |     |     |                        |  |       |            |          |        |
| └┐ Open/Ti-poly                                                                                   |  | Open/Ti-poly      |  | close    | Safe | Norm         | 24ms  | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |
| └┐ Open/Ti-poly                                                                                   |  | Open/Ti-poly      |  | close    | Safe | Norm         | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |
| └ Seqn= 59                                                                                        |  | 1-time(s)         |  | 2.0sec   |      |              |       |     |     |                        |  |       |            |          |        |
| └┐ Open/thick-Al                                                                                  |  | Open/thick-Al     |  | close    | Safe | Norm         | 64.0s | Obs | 2x2 | 2048x2048 (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 |        |

| XOB #1732: Dark - Med-Al+Thick-Be - 8x8 - 512x512                                                    |  |  |                                        |  |     |      |       |                          |     |     |                    |  |       |                     |  |
|------------------------------------------------------------------------------------------------------|--|--|----------------------------------------|--|-----|------|-------|--------------------------|-----|-----|--------------------|--|-------|---------------------|--|
| Term                                                                                                 |  |  | Pointing (x, y)                        |  |     |      |       | Comment                  |     |     |                    |  |       |                     |  |
| 12/04 15:08:00 - 12/04 20:04:54                                                                      |  |  | Track ( -500.4, -0.0) @ 12/04 15:05:00 |  |     |      |       | HOP182 (0, 30E) tracking |     |     |                    |  |       |                     |  |
| 12/04 20:38:00 - 12/05 01:21:30                                                                      |  |  | Track ( -706.5, -0.1) @ 12/04 20:35:00 |  |     |      |       | HOP182 (0, 45E) tracking |     |     |                    |  |       |                     |  |
| PROG= 10 1-time(s)                                                                                   |  |  |                                        |  |     |      |       |                          |     |     |                    |  |       |                     |  |
| └ Subr= 1 1-time(s) 2.0sec                                                                           |  |  |                                        |  |     |      |       |                          |     |     |                    |  |       |                     |  |
| └ Seqn= 81 1-time(s) 2.0sec                                                                          |  |  |                                        |  |     |      |       |                          |     |     |                    |  |       |                     |  |
| └ med-Al/thick-Be med-Al/thick-Be close Safe Dark 500ms Obs 8x8 512x512 (1024, 1024) DPCM 0 0 2.0sec |  |  |                                        |  |     |      |       |                          |     |     |                    |  |       |                     |  |
| Default Filter                                                                                       |  |  | Thicker Filter                         |  | VLS | mode | image | Exp.                     | CCD | Bin | ROI: size (center) |  | Comp. | AEC Buffer Interval |  |

| XOB #194B: Synoptic 9 Filter 2x2 Q98 + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + G-Band VLS Closed Test (33) |  |                   |       |          |       |                                                   |     |     |                        |  |       |            |          |        |
|-------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|-------|----------|-------|---------------------------------------------------|-----|-----|------------------------|--|-------|------------|----------|--------|
| Term                                                                                                                                      |  | Pointing (x, y)   |       |          |       | Comment                                           |     |     |                        |  |       |            |          |        |
| 12/04 20:08:00 - 12/04 20:34:54                                                                                                           |  | Fixed ( 0.0, 0.0) |       |          |       | Multifilter synoptic, shifted manually, for 30min |     |     |                        |  |       |            |          |        |
| PROG= 01                                                                                                                                  |  | 2-time(s)         |       |          |       |                                                   |     |     |                        |  |       |            |          |        |
| Subr= 1                                                                                                                                   |  | 1-time(s)         |       | 85.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| Seqn= 82                                                                                                                                  |  | 1-time(s)         |       | 7.0sec   |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Open/Al-mesh                                                                                                                            |  | Open/Al-mesh      | close | Safe     | Norm  | 16ms                                              | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| └ Open/Al-mesh                                                                                                                            |  | Open/Al-mesh      | close | Safe     | Norm  | 1.00s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 6                                                                                                                                   |  | 1-time(s)         |       | 22.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ 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= 76                                                                                                                                  |  | 1-time(s)         |       | 8.0sec   |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Open/Ti-poly                                                                                                                            |  | Open/Ti-poly      | close | Safe     | Norm  | 32ms                                              | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| └ Open/Ti-poly                                                                                                                            |  | Open/Ti-poly      | close | Safe     | Norm  | 2.00s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 77                                                                                                                                  |  | 1-time(s)         |       | 12.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Al-poly/Open                                                                                                                            |  | Al-poly/Open      | close | Safe     | Norm  | 125ms                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| └ Al-poly/Open                                                                                                                            |  | Al-poly/Open      | close | Safe     | Norm  | 1.00s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 79                                                                                                                                  |  | 1-time(s)         |       | 10.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ C-poly/Open                                                                                                                             |  | C-poly/Open       | close | Safe     | Norm  | 250ms                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| └ C-poly/Open                                                                                                                             |  | C-poly/Open       | close | Safe     | Norm  | 2.00s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 75                                                                                                                                  |  | 1-time(s)         |       | 10.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Al-poly/Ti-poly                                                                                                                         |  | Al-poly/thick-Al  | close | Safe     | Norm  | 2.00s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 78                                                                                                                                  |  | 1-time(s)         |       | 15.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ thin-Be/Open                                                                                                                            |  | thin-Be/Open      | close | Safe     | Norm  | 177ms                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| └ thin-Be/Open                                                                                                                            |  | thin-Be/Open      | close | Safe     | Norm  | 2.83s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Subr= 2                                                                                                                                   |  | 1-time(s)         |       | 150.0sec |       |                                                   |     |     |                        |  |       |            |          |        |
| Seqn= 34                                                                                                                                  |  | 1-time(s)         |       | 29.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ med-Al/Open                                                                                                                             |  | med-Al/Open       | close | Safe     | Norm  | 22.6s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 83                                                                                                                                  |  | 1-time(s)         |       | 84.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Open/thick-Be                                                                                                                           |  | Open/thick-Be     | close | Safe     | Norm  | 64.0s                                             | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 69                                                                                                                                  |  | 2-time(s)         |       | 13.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Open/G-band                                                                                                                             |  | Open/G-band       | open  | Safe     | Norm  | 8ms                                               | Obs | 2x2 | 2048x2048 (1024, 1024) |  | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 68                                                                                                                                  |  | 1-time(s)         |       | 10.0sec  |       |                                                   |     |     |                        |  |       |            |          |        |
| └ Open/G-band                                                                                                                             |  | Open/G-band       | close | Safe     | Norm  | 32ms                                              | Obs | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Default Filter                                                                                                                            |  | Thicker Filter    | VLS   | mode     | image | Exp.                                              | CCD | Bin | ROI: size (center)     |  | Comp. | AEC Buffer | Interval |        |

| XOB #193C: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, shorter thin-Be, thick Al and Al/Poly context, With G-band |  |                                         |  |        |      |                                   |      |     |     |                      |      |   |   |        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------|--|--------|------|-----------------------------------|------|-----|-----|----------------------|------|---|---|--------|
| Term                                                                                                                                                       |  | Pointing (x, y)                         |  |        |      | Comment                           |      |     |     |                      |      |   |   |        |
| 12/05 01:40:30 - 12/05 05:37:54                                                                                                                            |  | Track ( -664.7, 199.7) @ 12/05 01:35:00 |  |        |      | # Returning active area, tracking |      |     |     |                      |      |   |   |        |
| PROG= 07 Inf.-time(s)                                                                                                                                      |  |                                         |  |        |      |                                   |      |     |     |                      |      |   |   |        |
| └ Subr= 1                                                                                                                                                  |  | 1-time(s)                               |  | 2.0sec |      |                                   |      |     |     |                      |      |   |   |        |
| └ Seqn= 19                                                                                                                                                 |  | 2-time(s)                               |  | 2.0sec |      |                                   |      |     |     |                      |      |   |   |        |
| └┐ Open/G-band                                                                                                                                             |  | Open/G-band                             |  | close  | Safe | Norm                              | 63ms | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |

|                                       |                |                |       |      |       |       |     |     |                      |       |            |          |         |
|---------------------------------------|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|---------|
| Subr= 2      2-time(s)      2.0sec    |                |                |       |      |       |       |     |     |                      |       |            |          |         |
| Seqn= 92      1-time(s)      2.0sec   |                |                |       |      |       |       |     |     |                      |       |            |          |         |
|                                       | Al-poly/Open   | Al-poly/Open   | 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  | 44ms  | Obs | 1x1 | 384x384 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec  |
| Seqn= 32      4-time(s)      2.0sec   |                |                |       |      |       |       |     |     |                      |       |            |          |         |
|                                       | Al-poly/Open   | thin-Be/Open   | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
|                                       | Open/Ti-poly   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
|                                       | thin-Be/Open   | med-Be/Open    | close | Safe | Norm  | 5.66s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
|                                       | Open/thick-Al  | Open/thick-Al  | close | Safe | Norm  | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
| Seqn= 93      30-time(s)      60.0sec |                |                |       |      |       |       |     |     |                      |       |            |          |         |
|                                       | thin-Be/Open   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
|                                       | Al-poly/Open   | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 15.0sec |
|                                       | thin-Be/Open   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec  |
|                                       | Al-poly/Open   | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 15.0sec |
|                                       | thin-Be/Open   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec  |
|                                       | Al-poly/Open   | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 15.0sec |
|                                       | thin-Be/Open   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec  |
|                                       | Al-poly/Open   | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 15.0sec |
|                                       | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |         |

# XOB #192F: Synoptic Q95 2x2 - Al/mesh(33/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(64/1443) + Thin-Be(18)

| Term                            | Pointing (x, y)   | Comment                     |
|---------------------------------|-------------------|-----------------------------|
| 12/05 05:41:00 - 12/05 05:47:54 | Fixed ( 0.0, 0.0) | synoptic, shifted -22.0 min |
| 12/05 17:44:00 - 12/05 17:50:54 | Fixed ( 0.0, 0.0) | synoptic, shifted -19.0 min |
| 12/06 06:02:30 - 12/06 06:09:24 | Fixed ( 0.0, 0.0) | synoptic, shifted -0.5 min  |

|                                     |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|-------------------------------------|----------------|----------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| PROG= 13      1-time(s)             |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| Subr= 1      1-time(s)      14.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 64      1-time(s)      4.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|                                     | Open/Al-mesh   | Open/Ti-poly   | close | Safe | Norm  | 32ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                                     | Open/Al-mesh   | Open/Ti-poly   | close | Safe | Norm  | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 6      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= 70      1-time(s)      4.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|                                     | Open/Ti-poly   | Open/Ti-poly   | close | Safe | Norm  | 63ms  | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                                     | Open/Ti-poly   | Open/Ti-poly   | close | Safe | Norm  | 1.41s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 67      1-time(s)      2.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|                                     | thin-Be/Open   | thin-Be/Open   | close | Safe | Norm  | 177ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
|                                     | thin-Be/Open   | thin-Be/Open   | close | Safe | Norm  | 2.83s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Seqn= 69      1-time(s)      2.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|                                     | Open/G-band    | Open/G-band    | open  | Safe | Norm  | 8ms   | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95  | 0          | 0        | 2.0sec |
| Subr= 2      1-time(s)      2.0sec  |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| Seqn= 68      1-time(s)      2.0sec |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|                                     | Open/G-band    | Open/G-band    | close | Safe | Norm  | 32ms  | Obs | 1x1 | 2048x2048 (1024, 1024) | DPCM  | 0          | 0        | 2.0sec |
|                                     | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)     | Comp. | AEC Buffer | Interval |        |

# XOB #18B5: HOP201 thin-Be, Ti/Poly, 512x512 at 1064 1048, 120s cad

| Term                            | Pointing (x, y)        | Comment  |
|---------------------------------|------------------------|----------|
| 12/05 05:51:00 - 12/05 17:40:54 | Fixed ( -947.0, 200.0) | # HOP201 |

|                                        |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|----------------------------------------|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| PROG= 14      Inf.-time(s)             |                |                |       |      |       |       |     |     |                      |       |            |          |        |
| Subr= 1      1-time(s)      2.0sec     |                |                |       |      |       |       |     |     |                      |       |            |          |        |
| Seqn= 63      1-time(s)      2.0sec    |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                                        | Open/Ti-poly   | Open/thick-Al  | close | Safe | Dark  | 16.0s | Obs | 1x1 | 512x512 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec |
|                                        | Open/G-band    | Open/G-band    | open  | Safe | Norm  | 63ms  | Obs | 1x1 | 512x512 (1064, 1048) | Q=98  | 0          | 0        | 2.0sec |
| Seqn= 89      30-time(s)      120.0sec |                |                |       |      |       |       |     |     |                      |       |            |          |        |
|                                        | thin-Be/Open   | med-Be/Open    | close | Safe | Norm  | 16.0s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 2          | 0        | 2.0sec |
|                                        | Open/Ti-poly   | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 2          | 0        | 2.0sec |
|                                        | Default Filter | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

# XOB #193D: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, shorter thin-Be, thick Al and Al/Poly context, With G-band

| Term                            | Pointing (x, y)                        | Comment            |
|---------------------------------|----------------------------------------|--------------------|
| 12/05 17:54:00 - 12/06 05:59:24 | Track ( 433.3, 196.4) @ 12/05 17:51:00 | # Tracking AR11625 |
| 12/06 06:12:30 - 12/06 10:00:00 | Track ( 531.1, 197.5) @ 12/06 06:09:30 | # Tracking AR11625 |

|                                     |              |               |       |      |      |       |     |     |                      |      |   |   |        |
|-------------------------------------|--------------|---------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| PROG= 19      Inf.-time(s)          |              |               |       |      |      |       |     |     |                      |      |   |   |        |
| Subr= 1      1-time(s)      2.0sec  |              |               |       |      |      |       |     |     |                      |      |   |   |        |
| Seqn= 19      2-time(s)      2.0sec |              |               |       |      |      |       |     |     |                      |      |   |   |        |
|                                     | Open/G-band  | Open/G-band   | close | Safe | Norm | 63ms  | Obs | 1x1 | 384x384 (1064, 1048) | DPCM | 0 | 0 | 2.0sec |
| Subr= 2      2-time(s)      2.0sec  |              |               |       |      |      |       |     |     |                      |      |   |   |        |
| Seqn= 92      1-time(s)      2.0sec |              |               |       |      |      |       |     |     |                      |      |   |   |        |
|                                     | Al-poly/Open | Al-poly/Open  | 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 | 44ms  | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 32      4-time(s)      2.0sec |              |               |       |      |      |       |     |     |                      |      |   |   |        |
|                                     | Al-poly/Open | thin-Be/Open  | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
|                                     | Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |

|                                           |                |       |      |       |       |     |     |                      |       |            |          |         |
|-------------------------------------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|---------|
| thin-Be/Open                              | med-Be/Open    | close | Safe | Norm  | 5.66s | Obs | 1x1 | 512x512 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
| Open/thick-Al                             | Open/thick-Al  | close | Safe | Norm  | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
| <b>Seqn= 93    30-time(s)    120.0sec</b> |                |       |      |       |       |     |     |                      |       |            |          |         |
| thin-Be/Open                              | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 2.0sec  |
| Al-poly/Open                              | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 0        | 15.0sec |
| thin-Be/Open                              | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 2.0sec  |
| Al-poly/Open                              | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 1        | 15.0sec |
| thin-Be/Open                              | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 2.0sec  |
| Al-poly/Open                              | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 2        | 15.0sec |
| thin-Be/Open                              | Open/thick-Be  | close | Safe | Norm  | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 2.0sec  |
| Al-poly/Open                              | Open/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95  | 3          | 3        | 15.0sec |
| Default Filter                            | Thicker Filter | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |         |

\* \* \* \* \*

## Flare mode

\* \* \* \* \*

### XOB #1920: Flare obs. dynamics - thin-Be high cadence + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2)-Gband (45ms)-15 loops

| Term                            | Pointing (x, y)                         | Comment                           |
|---------------------------------|-----------------------------------------|-----------------------------------|
| 12/04 15:08:00 - 12/04 20:04:54 | Track ( -500.4, -0.0) @ 12/04 15:05:00  | HOP182 (0, 30E) tracking          |
| 12/04 20:38:00 - 12/05 01:21:30 | Track ( -706.5, -0.1) @ 12/04 20:35:00  | HOP182 (0, 45E) tracking          |
| 12/05 01:40:30 - 12/05 05:37:54 | Track ( -664.7, 199.7) @ 12/05 01:35:00 | # Returning active area, tracking |
| 12/05 05:51:00 - 12/05 17:40:54 | Fixed ( -947.0, 200.0)                  | # HOP201                          |
| 12/05 17:54:00 - 12/06 05:59:24 | Track ( 433.3, 196.4) @ 12/05 17:51:00  | # Tracking AR11625                |
| 12/06 06:12:30 - 12/06 10:00:00 | Track ( 531.1, 197.5) @ 12/06 06:09:30  | # Tracking AR11625                |

**PROG= 16    15-time(s)**

|                                         |                  |       |      |       |       |     |     |                      |       |            |          |        |
|-----------------------------------------|------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| <b>Subr= 1    45-time(s)    10.0sec</b> |                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 35    1-time(s)    2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| thin-Be/Open                            | med-Be/Open      | close | Safe | Norm  | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| <b>Subr= 2    1-time(s)    10.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| <b>Seqn= 36    1-time(s)    2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| med-Al/Open                             | med-Al/thick-Al  | close | Safe | Norm  | 500ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| Open/thick-Be                           | Open/thick-Be    | close | Safe | Norm  | 2.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=95  | 3          | 0        | 2.0sec |
| <b>Seqn= 37    1-time(s)    2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Al-poly/Open                            | Al-poly/thick-Al | close | Safe | Norm  | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95  | 2          | 0        | 2.0sec |
| <b>Seqn= 38    1-time(s)    2.0sec</b>  |                  |       |      |       |       |     |     |                      |       |            |          |        |
| Open/G-band                             | Open/G-band      | open  | Safe | Norm  | 44ms  | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/thick-Al                           | Open/thick-Al    | close | Safe | Dark  | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Open/thick-Al                           | Open/thick-Al    | close | Safe | Dark  | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98  | 0          | 0        | 2.0sec |
| Default Filter                          | Thicker Filter   | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

\* \* \* \* \*

## Active Region Search

\* \* \* \* \*

NOT USED

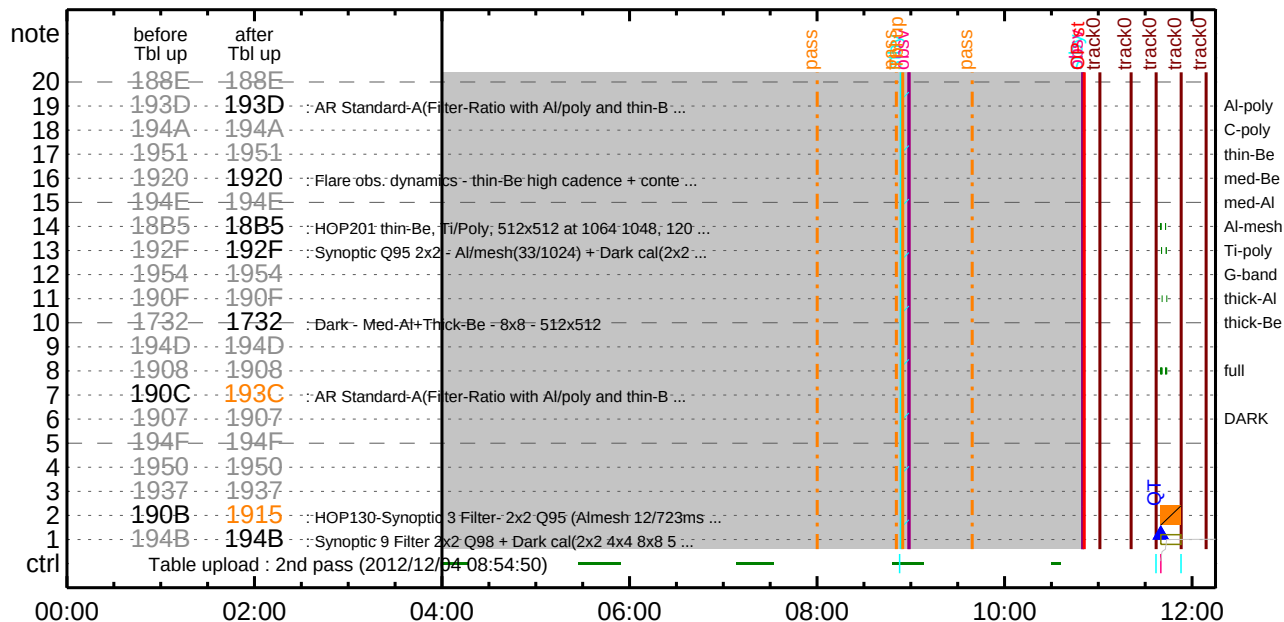
\* \* \* \* \*

## Flare Detection

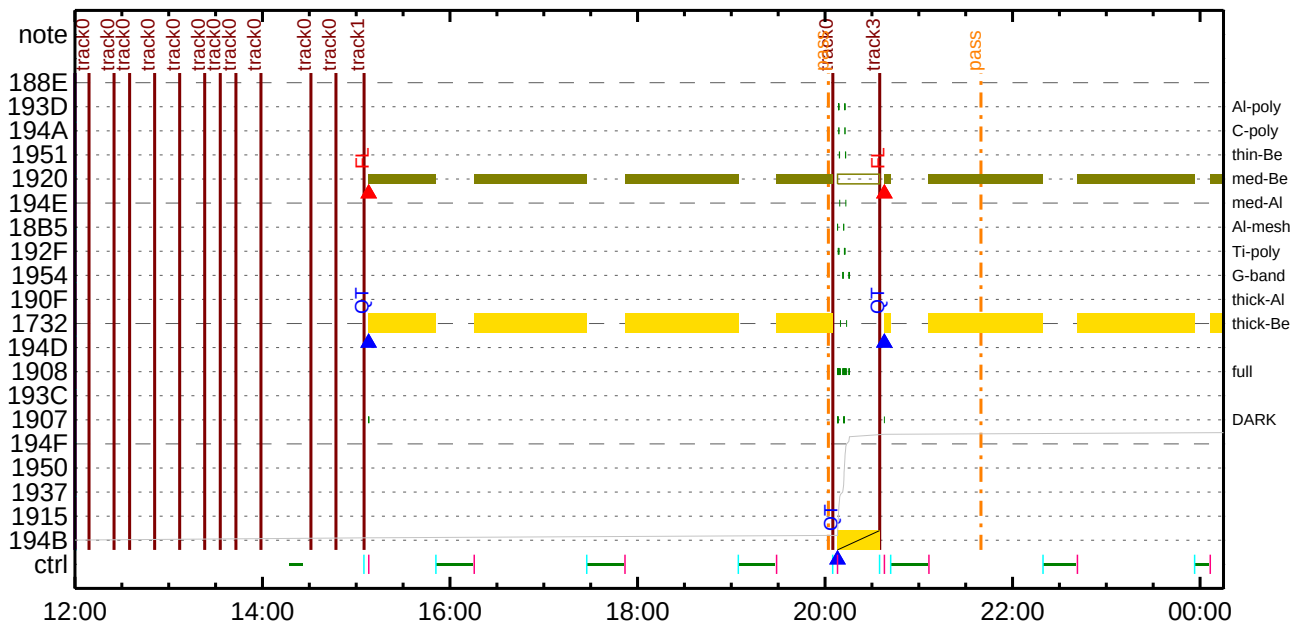
\* \* \* \* \*

| FLD Patrol                      |                                        |       |                          |       |      |     |     |                    |       |            |          |  |
|---------------------------------|----------------------------------------|-------|--------------------------|-------|------|-----|-----|--------------------|-------|------------|----------|--|
| Term                            | Pointing (x, y)                        |       | Comment                  |       |      |     |     |                    |       |            |          |  |
| 12/04 15:07:46 - 12/04 20:05:16 | Track ( -500.4, -0.0) @ 12/04 15:05:00 |       | HOP182 (0, 30E) tracking |       |      |     |     |                    |       |            |          |  |
| 12/04 20:37:46 - 12/05 05:38:16 | Track ( -706.5, -0.1) @ 12/04 20:35:00 |       | HOP182 (0, 45E) tracking |       |      |     |     |                    |       |            |          |  |
| 12/05 05:50:46 - 12/05 17:41:16 | Fixed ( -947.0, 200.0)                 |       | # HOP201                 |       |      |     |     |                    |       |            |          |  |
| 12/05 17:53:46 - 12/06 05:59:46 | Track ( 433.3, 196.4) @ 12/05 17:51:00 |       | # Tracking AR11625       |       |      |     |     |                    |       |            |          |  |
| 12/06 06:12:16 - 12/08 10:04:00 | Track ( 531.1, 197.5) @ 12/06 06:09:30 |       | # Tracking AR11625       |       |      |     |     |                    |       |            |          |  |
| 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 |  |

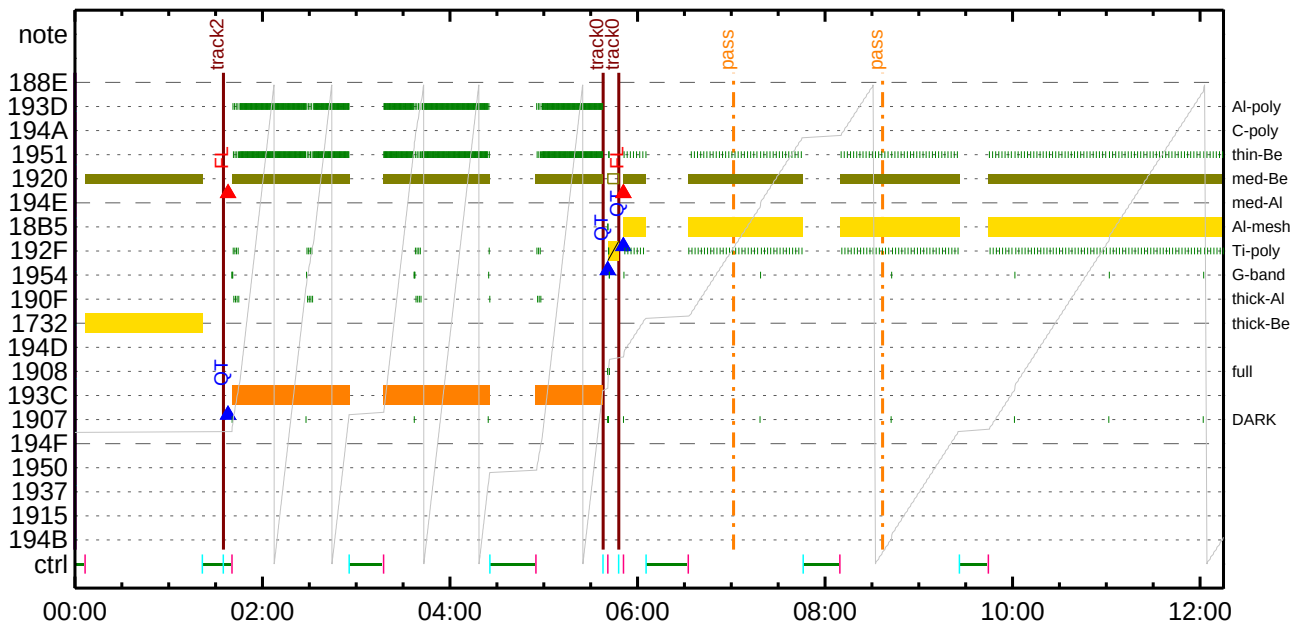
# CMDI #0097 2012/12/04



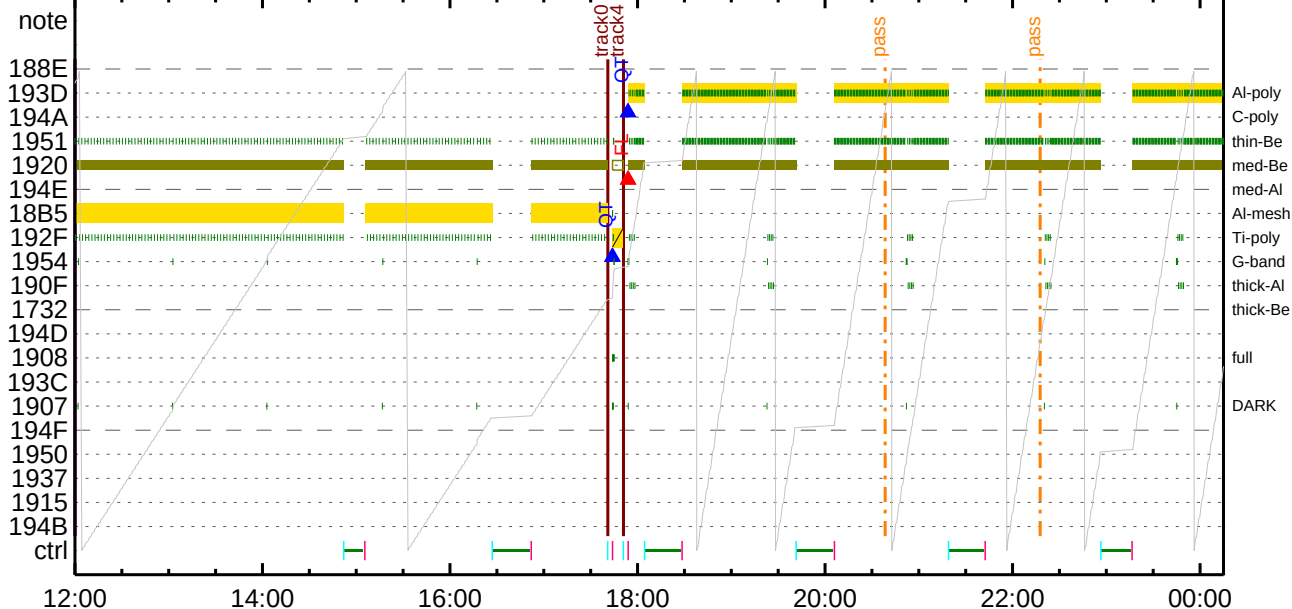
# CMDI #0097 2012/12/04



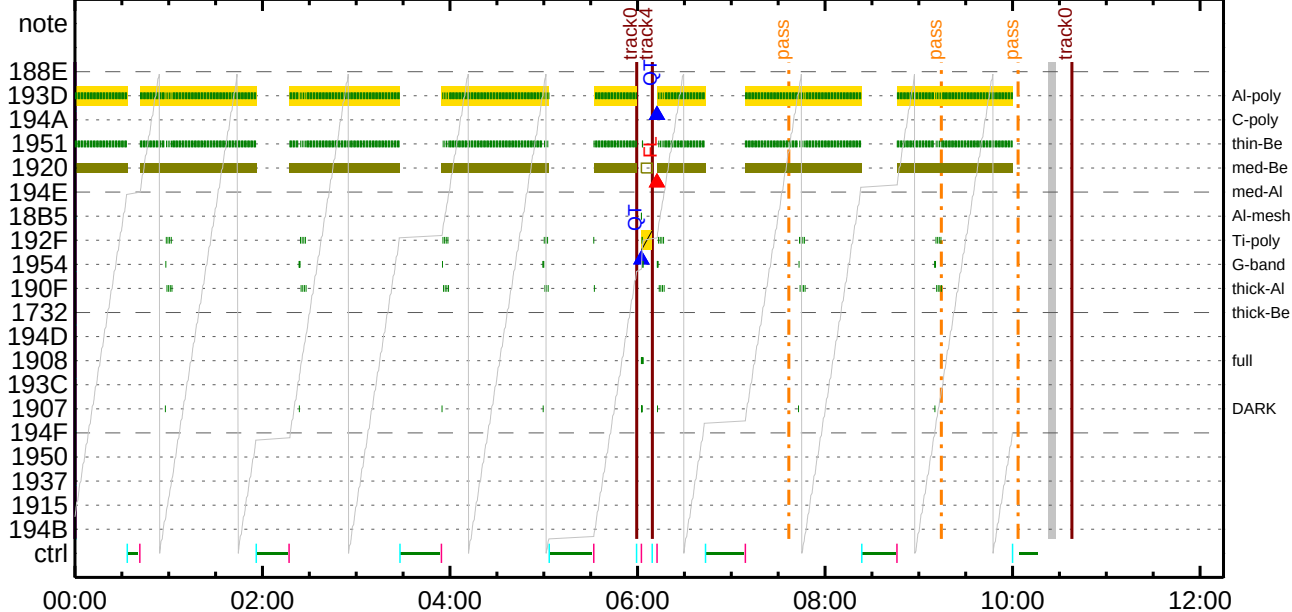
# CMDI #0097 2012/12/05



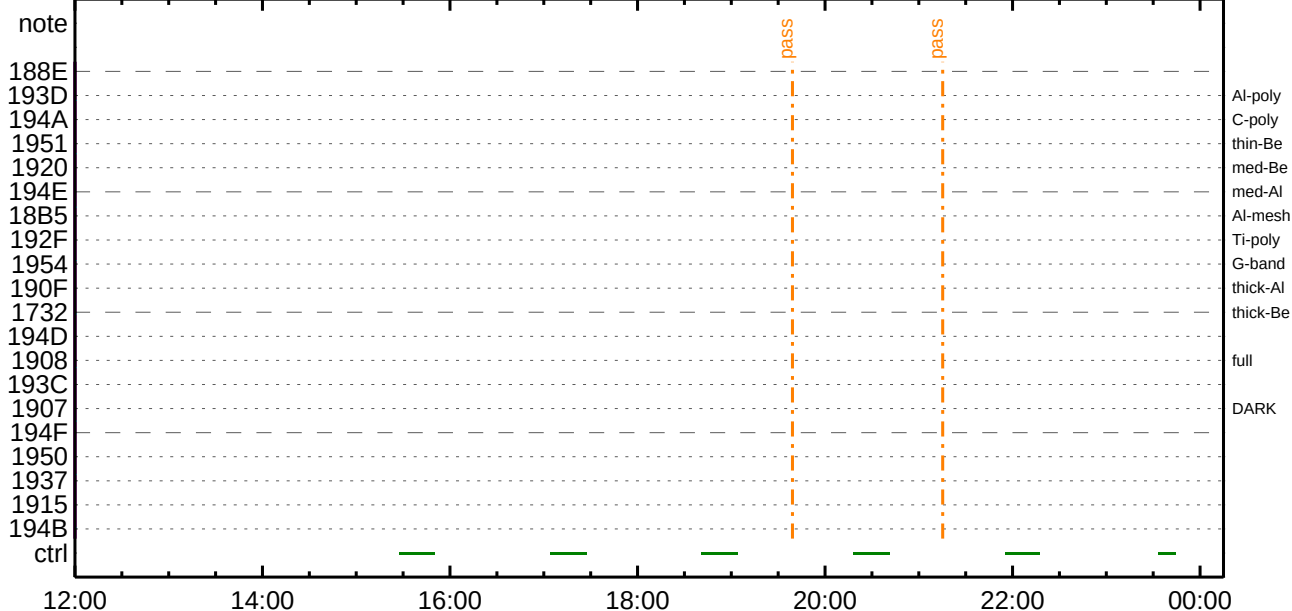
# CMDI #0097 2012/12/05



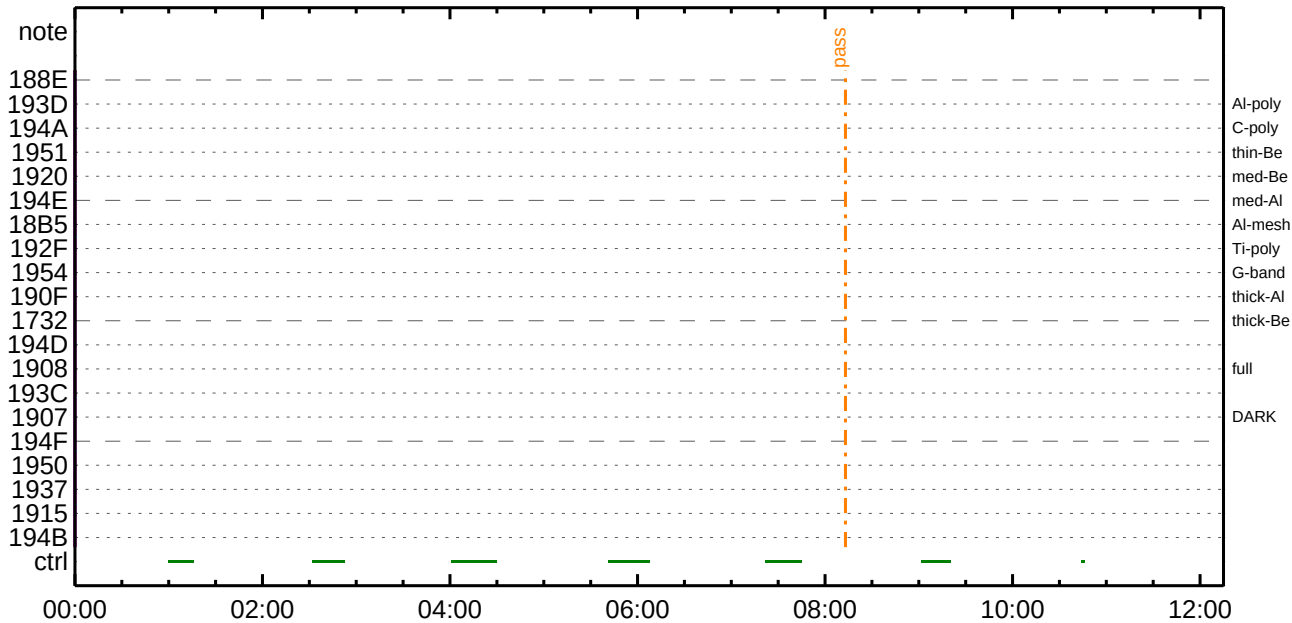
# CMDI #0097 2012/12/06



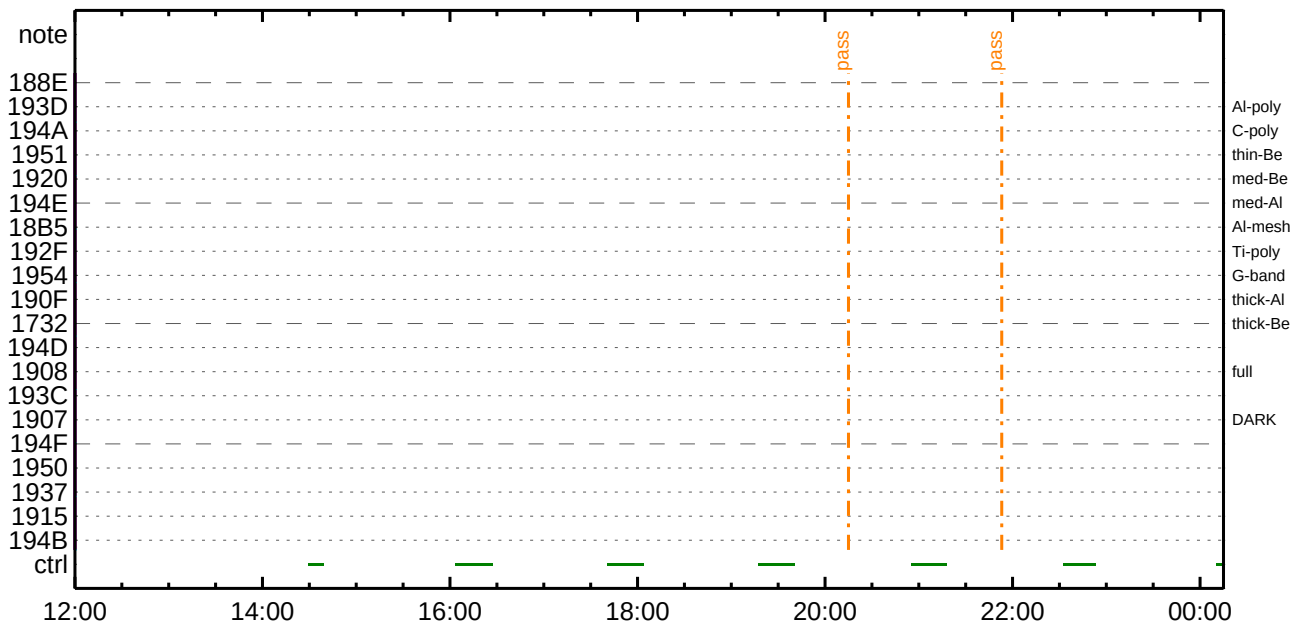
# CMDI #0097 2012/12/06



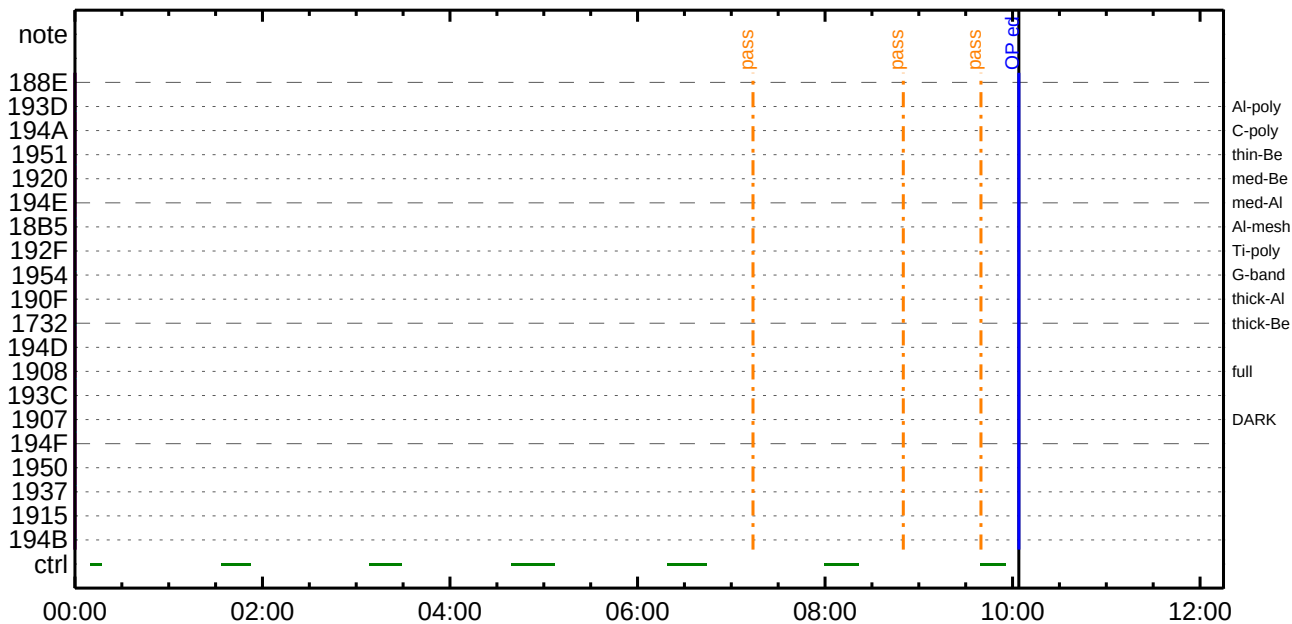
# CMDI #0097 2012/12/07



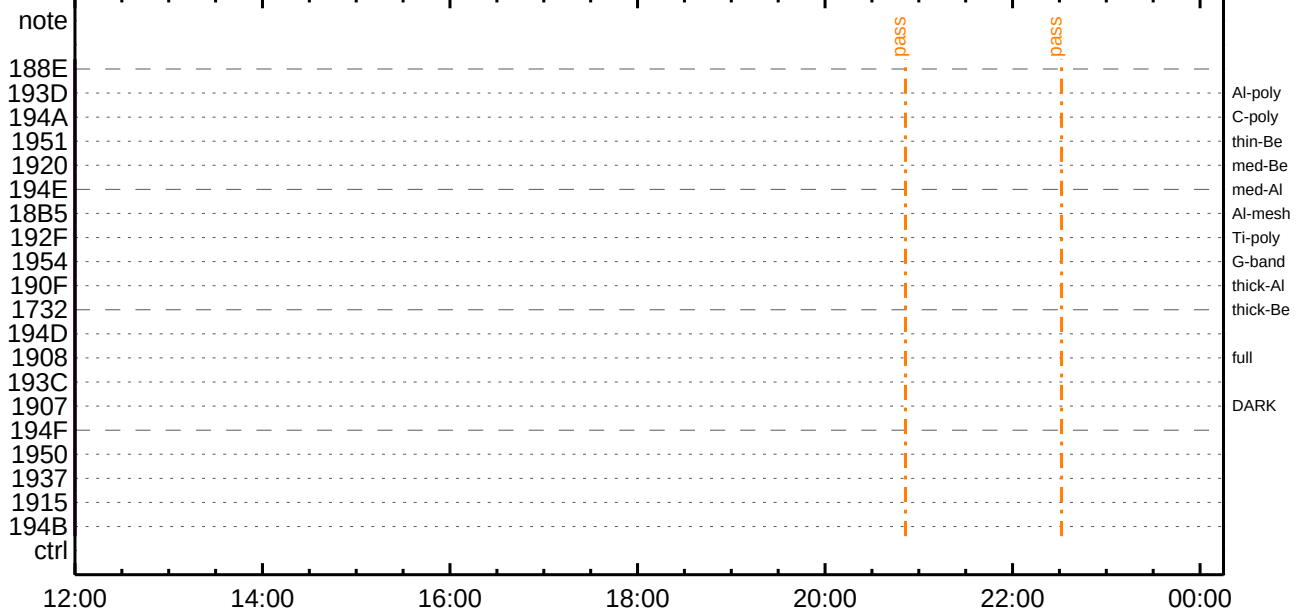
# CMDI #0097 2012/12/07



# CMDI #0097 2012/12/08



CMDI #0097 2012/12/08



```
main-309 2012-12-04 12:39:45 289 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. jãAOS¥Á¥$¥Ã¥¬¼Ä»Üjã
0005 C.
0006 C. ¥Å¥ß;¼¥³¥Ð¥Ó¥ÉÀ÷¿®
+ DC 00-00 NULL_DUMMY_CMD
0007 C.
0008 . C. ***** AOCS : Reload orbital element (send every contact) *****
0009 C. ÄíjÊ²¿ðÀª•µ°Æ»Î×ΑÇ²İçφ¥Å¥×¥ı;¼¥Ë;ĒĚē½μ•īîĔ;ĒõĤºÇÒª•²¿%ı¹Ç²İjΦΔ®, ùª¹æòþαÇÀ÷¿®ª•²Ėªªª³æ;j£
0010 + DC 02-8E AOCU_ORB_UPD
0011 C.
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ÷¿@μjON
0016 C. *****
0017 C. φ'' °ÆÄ, İxÈÝäŁÖSªþαÇ²İ»Þ´Ôò²īî, ª•jΦĒŌİ×ªEXÄŎONªī¹ÔªĒıjĒªªª³æ;j£
0018 C.
+ DC 03-B4 TCIA_XPA_ON/HI
0019 M. WAIT_SEC 1
0020 + DC 03-84 TCIA_XMOD_ON
0021 M. WAIT_SEC 1
0022 + DC 03-95 TCIA_XMOD_QPSK
0023 C. ΦΦ[HK1_XPA_ON/OFF] EQ ON
0024 C. ΦΦ[HK1_XPA_PWR_HI/L0] EQ HI
0025 C. ΦΦ[HK1_XMOD_ON/OFF] EQ ON
0026 C. ΦΦ[HK1_XMOD_QPSK/PM] EQ QPSK
0027 C.
0028 C.
0029 . C. X¥Đ¥Ó¥É¥İ¥Ã¥¬¾ŌÂŐª¬·ÄÄêª•²¿²æ;jΦ°Ē²¼ªİ°ÆÄ, ¼ê½Ç²ò¼Ä¹Ôª¹æ;j£
0030 C.
0031 . C. *****
0032 C. DR PT1 Äİ¼ı°ÆÄ,
0033 C. *****
0034 C. φ'' RESTARTjĒPT1jĒª•²¿²%ı¹Ç²İjΦ°Ē²¼ªİ¼Ä¹Ôª»ª°jΦDCBC-1500Ø¿Ēªà;j£
0035 C.
0036 . C. jãPT1°ÆÄ, ³«»İjã
0037 + DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. ΦΦ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ō, j¼Ú)
0043 C. ΦΦ[HK1_REP_STA/STP] EQ START (¼Ä¹Ō, j¼Ú)
0044 C. ΦΦ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ō, j¼Ú)
0045 C.
0046 . C. jã¥¢¥ó¥Æ¥ĒÄÙÄŦjĒÄ•Äº²ôĒëjĒ, äªİ°ÆÄ, °Æ³«jã
0047 + DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. ΦΦ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ō, j¼Ú)
0050 C. ΦΦ[HK1_REP_STA/STP] EQ START (¼Ä¹Ō, j¼Ú)
0051 C. ΦΦ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ō, j¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÄ, º¬¼«Æ°Ää»βª•²¿, äjΦ°Ē²¼ªİ¼Ä¹Ôª¹æ;j£
0055 C. ¥¢¥ó¥Æ¥ĒÄÙÄŦªÄ•Äº²ôĒëø¬ğªª¼ı¹Ç²İ'İ»ª¹æòþαÇÄŐÄj£
0056 C.
0057 . C. *****
0058 C. DR PT2 Äİ¼ı°ÆÄ,
0059 C. *****
0060 C. φ'' RESTARTjĒPT2jĒª•²¿²%ı¹Ç²İjΦ°Ē²¼ªİ¼Ä¹Ôª»ª°jΦDCBC-1510Ø¿Ēªà;j£
0061 C.
0062 . C. jãPT2°ÆÄ, ³«»İjã
0063 + DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. ΦΦ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ō, j¼Ú)
0069 C. ΦΦ[HK1_REP_STA/STP] EQ START (¼Ä¹Ō, j¼Ú)
0070 C. ΦΦ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ō, j¼Ú)
0071 C.
0072 . C. jã¥¢¥ó¥Æ¥ĒÄÙÄŦjĒÄ•Äº²ôĒëjĒ, äªİ°ÆÄ, °Æ³«jã
0073 + DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. ΦΦ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ō, j¼Ú)
0076 C. ΦΦ[HK1_REP_STA/STP] EQ START (¼Ä¹Ō, j¼Ú)
0077 C. ΦΦ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ō, j¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÄ, Ää»ßjΦXÄ÷¿@μjOFF
0081 C. *****
0082 C.
0083 . C. jãDR°ÆÄ, Ää»ßjã
0084 + DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. ΦΦ[HK1_REP_STA/STP] EQ STOP
0087 C. ΦΦ[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. ΦΦ[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. jãXÄ÷¿@μjOFFjã
0091 + DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. ΦΦ[HK1_XMOD_ON/OFF] EQ OFF
0095 C. ΦΦ[HK1_XPA_ON/OFF] EQ OFF
```



```
0096 C.
0097 C.
0098 C. *****
0099 C. OP/OG¥1¡¼¥É¡¼¥Á¥ó¥×
0100 C. *****
0101 C.
0102 C. ¡ãOP/OG¥1¡¼¥É¡¼ä
0103 S. OP op-309:OP
0104 ()
0105 S. OG og-309:OG
0106 ()
0107 C.
0108 C. ¡ãNMOG&OPÎÎ°è¥Á¥ó¥×¡ä
0109 C. NMOG(0x200000-0x207FFF;S 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0120 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. ¥Á¥ó¥×½ªÎ»ð³İÇŞ
0125 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG¤Î¥Ê¹Ç•ë²İOK¤ð³İÇŞ
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;S 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0139 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. ¥Á¥ó¥×½ªÎ»ð³İÇŞ
0144 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG¤Î¥Ê¹Ç•ë²İOK¤ð³İÇŞ
0146 C.
0147 C. NMOG(0x210000-0x2100FF;S 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0158 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. ¥Á¥ó¥×½ªÎ»ð³İÇŞ
0163 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG,RAM ID=OP¤Î¥Ê¹Ç•ë²İOK¤ð³İÇŞ
0165 C.
0166 C. ***** °Ê²¼¤Î¾Ã´¶Á¤ðËË-¤ðÁ÷¿® (%âµ-¥Á¥ó¥×½ê½Ç¤ðÄÖÃæ¤Ç½¤¤`¤ë¾¡¹Ç¤Ç¤â) *****
0167 C. DHU¥â¡¼¥É¡¼¥Ê½Y½, ¥1¡¼¥É¡¼¤ðİä¤¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. ¢¢[HK1_PKT_FORM_NO] EQ 2
0171 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. ¢¢[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 UPLOAD¤-Á÷¿®NG¤Î¾¹¹Ç¡¢¤Ê²¼¤ÎTI-CMDÁ÷¿®¤Î¾Ã¹Ô¤¤¤Ê¤¤¤¤¤¤¡£
0180 C. ¤¤¤¿¡¢¡¢SET¤EDUMP¤ÎÆ±°¡¾N¥¹¡¢Ç¹Ô¤¤¤¤¤¤¡£
0181 C.
0182 C. TI¥³¥¤¥ó¥É¤ðÄÖİ¿(UT)
0183 +. TI 2012-12-04 10:46:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. ¢¢[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2012-12-04 10:46:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. ¢¢[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2012-12-04 10:46:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. ¢¢[HK1_TI_CMD_NUM] EQ 1COUNTUP
```

| Line | Command | Address                                                       | Value                  | Unit | Countup   |
|------|---------|---------------------------------------------------------------|------------------------|------|-----------|
| 0194 | C.      |                                                               |                        |      |           |
| 0195 | +. TI   | 2012-12-04 10:50:59.5                                         |                        |      |           |
| 0196 | DC      | 01-B2 DHU_OP_START                                            |                        |      |           |
| 0197 | C.      |                                                               | 00[HK1_TI_CMD_NUM]     | EQ   | 1COUNTUP  |
| 0198 | C.      |                                                               |                        |      |           |
| 0199 | C.      |                                                               |                        |      |           |
| 0200 | C.      |                                                               | 00[HK1_TI_CMD_ENA/DIS] | EQ   | ENA       |
| 0201 | C.      |                                                               | 00[HK1_TI_CMD_NUM]     | EQ   | 4         |
| 0202 | C.      |                                                               | 00[HK1_NEXT_EXEC_PIM]  | EQ   | DHU       |
| 0203 | C.      |                                                               | 00[HK1_NEXT_EXEC_DC]   | EQ   | 0xB3      |
| 0204 | C.      |                                                               |                        |      |           |
| 0205 | C.      |                                                               |                        |      |           |
| 0206 | C.      |                                                               |                        |      |           |
| 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.      |                                                               | 00[HK1_DMP_TOP_ADRS_1] | EQ   | 07        |
| 0213 | C.      |                                                               | 00[HK1_DMP_TOP_ADRS_0] | EQ   | 2B        |
| 0214 | C.      |                                                               | 00[HK1_DMP_BLOCK_NUM]  | EQ   | 3         |
| 0215 | C.      |                                                               | 00[HK1_DMP_REPEAT_NUM] | EQ   | 0         |
| 0216 | C.      |                                                               | 00[HK1_DMA_DMP_PIM]    | EQ   | DHU       |
| 0217 | +. DC   | 01-22 DHU_MODE_CHNG                                           |                        |      |           |
| 0218 | BC      | (07 0b f8)                                                    |                        |      |           |
| 0219 | C.      |                                                               | 00[HK1_PKT_FORM_NO]    | EQ   | 7         |
| 0220 | C.      |                                                               | 00[HK1_PKT_GEN_TIME]   | EQ   | 0.25 s    |
| 0221 | C.      |                                                               | 00[HK1_S_TLM_BIT_RATE] | EQ   | 32k       |
| 0222 | C.      |                                                               | 00[HK1_X_TLM_BIT_RATE] | EQ   | 4M        |
| 0223 | C.      |                                                               | 00[HK1_DMP_CHK_FLG]    | EQ   | EXEC      |
| 0224 | C.      |                                                               |                        |      |           |
| 0225 | C.      |                                                               |                        |      |           |
| 0226 | C.      |                                                               | 00[HK1_DMP_CHK_FLG]    | EQ   | NON       |
| 0227 | C.      |                                                               |                        |      |           |
| 0228 | C.      | RAM ID=TI_TBL(0x03AB00-0x03AEFF) 1024byte)                    |                        |      |           |
| 0229 | C.      |                                                               |                        |      |           |
| 0230 | C.      | DHU(0x03AB00-0x03AEFF) 1024byte)                              |                        |      |           |
| 0231 | +. DC   | 01-22 DHU_MODE_CHNG                                           |                        |      |           |
| 0232 | BC      | (02 0a f8)                                                    |                        |      |           |
| 0233 | C.      |                                                               | 00[HK1_PKT_FORM_NO]    | EQ   | 2         |
| 0234 | C.      |                                                               | 00[HK1_PKT_GEN_TIME]   | EQ   | 0.5S      |
| 0235 | C.      |                                                               | 00[HK1_S_TLM_BIT_RATE] | EQ   | 32K       |
| 0236 | C.      |                                                               | 00[HK1_X_TLM_BIT_RATE] | EQ   | 4M        |
| 0237 | C.      |                                                               |                        |      |           |
| 0238 | C.      | Stop EIS observation and temporarily disable EIS mode changes |                        |      |           |
| 0239 | C.      |                                                               |                        |      |           |
| 0240 | C.      |                                                               |                        |      |           |
| 0241 | C.      | ***** Start EIS operation (TI set) *****                      |                        |      |           |
| 0242 | C.      | Execute, after the success of OP upload.                      |                        |      |           |
| 0243 | C.      | Set EIS TI-commands                                           |                        |      |           |
| 0244 | +. TI   | 2012-12-04 10:50:30.0                                         |                        |      |           |
| 0245 | DC      | 07-FC EIS_MODE_MANU                                           |                        |      |           |
| 0246 | BC      | (21 02)                                                       |                        |      |           |
| 0247 | +. TI   | 2012-12-04 10:50:40.0                                         |                        |      |           |
| 0248 | DC      | 07-FC EIS_MODE_CHG_DIS                                        |                        |      |           |
| 0249 | BC      | (22)                                                          |                        |      |           |
| 0250 | C.      |                                                               | [ ] [HK1_TI_CMD_NUM]   | EQ   | 2 COUNTUP |
| 0251 | C.      | ***** End EIS operation (TI set) *****                        |                        |      |           |
| 0252 | C.      |                                                               |                        |      |           |
| 0253 | C.      |                                                               |                        |      |           |
| 0254 | C.      |                                                               |                        |      |           |
| 0255 | C.      | SOT TI command set                                            |                        |      |           |
| 0256 | C.      | *****                                                         |                        |      |           |
| 0257 | C.      | Execute, after the success of OP upload.                      |                        |      |           |
| 0258 | +. TI   | 2012-12-04 10:50:16.0                                         |                        |      |           |
| 0259 | DC      | 07-F0 MDP_SOT_MODE_STBY                                       |                        |      |           |
| 0260 | BC      | (41)                                                          |                        |      |           |
| 0261 | C.      |                                                               |                        |      |           |
| 0262 | C.      | HK1_TI_CMD_NUM = 1 CNTUP [ ]                                  |                        |      |           |
| 0263 | C.      |                                                               |                        |      |           |
| 0264 | C.      | ***** SOT END *****                                           |                        |      |           |
| 0265 | C.      |                                                               |                        |      |           |
| 0266 | C.      | ***** XRT START *****                                         |                        |      |           |
| 0267 | C.      | Execute, after the success of OP upload.                      |                        |      |           |
| 0268 | +. TI   | 2012-12-04 10:50:00.0                                         |                        |      |           |
| 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 (0x03AB00-0x03AEFF) 1024byte) *****                 |                        |      |           |
| 0276 | C.      | (0x03AB00-0x03AEFF) 1024byte)                                 |                        |      |           |
| 0277 | S.      | DC-BC dcbc-402:DCBC                                           |                        |      |           |
| 0278 |         | (MDP_known_event)                                             |                        |      |           |
| 0279 | C.      |                                                               |                        |      |           |
| 0280 | C.      |                                                               |                        |      |           |
| 0281 | C.      | ***** 0x03AB00-0x03AEFF Daily(0x03AB00                        |                        |      |           |

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main-310 2012-12-04 12:39:45 158 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. iãAOS¥Á¥$¥Ã¥¬¼Å»Üjã
0005 C.
0006 C. ¥Ã¥ß;¼¥³¥Ð¥Ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ĀīĲē¿¿À•µ°Æ»İ×AÇ¿İ¥Ç¥Ã¥×¥ī;¼¥É;ĒĒē½µ•īĒĲēĲē¼°ÇÖ••¿¿%ī¹Ç¿İÇÀ®, ù•¹•ēē•¿ÇÁ÷¿®••ēē•••³•ēē;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ()
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. ***** AOCS Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCU_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCU_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 2342471.9 +- 1.0 (s) [ ]
0052 C.
0053 C.
0054 C.
0055 C. ***** XRT START *****
0056 C.
0057 +. DC 07-F0 MDP_XRT_CTRL_MANU
0058 BC (c1)
0059 +. DC 07-F0 MDP_XRT_MODE_STBY
0060 BC (c3)
0061 . C. ----- Success Verify ? OK / NG_____
0062 C.
0063 C. XRT Obs. Table Upload
0064 . S. RAM ram-291:MDP_OBS_X
0065 ()
0066 C.
0067 +. DC 07-F0 MDP_DUMP_XRTTBL
0068 BC (84 07 00 00 00 3a d4)
0069 . C. ----- Comparison Check ? OK / ERR _____
0070 C.
0071 C.
0072 +. DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 01 b1 b1 04 04)
0074 +. DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 02 b1 b1 08 08)
0076 +. DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 03 b1 b1 08 08)
0078 +. DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 04 b1 b1 06 06)
0080 +. DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 05 85 83 06 06)
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 06 80 80 20 20)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 07 80 80 08 08)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 08 80 80 20 08)
0088 +. DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 09 80 80 08 20)
0090 +. DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 0a 85 83 06 06)
0092 +. DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 0b 85 83 08 08)
0094 +. DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 0f 80 80 06 06)
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0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 10 80 80 08 08)
0098 + DC 07-F0 MDP_XRT_FLD_DIS
0099 BC (d9)
0100 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0101 BC (c9)
0102 + DC 07-F0 MDP_XRT_AEC_RESET
0103 BC (d0)
0104 + DC 07-F0 MDP_XRT_ARS_DIS
0105 BC (d5)
0106 + DC 07-F0 MDP_XRT_FLD_RESET
0107 BC (da)
0108 . C. ----- Success Verify ? OK / NG ____
0109 C.
0110 C.
0111 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0112 C.
0113 +. DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 +. TI 2012-12-04 10:50:02.0
0116 DC 07-F0 MDP_XRT_MODE_OBSV
0117 BC (c2)
0118 . C. ----- Success Verify ? OK / NG ____
0119 C.
0120 C. ***** XRT END *****
0121 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0122 +. DC 07-FC EIS_MODE_MANU
0123 BC (21 02)
0124 . C. Verify EIS in MANUAL mode
0125 . C. Estimated OBSTBL upload time is 1m1s
0126 C. *****
0127 C. EIS START OBSTBL LOAD
0128 C. *****
0129 . S. RAM ram-820:EIS_OBSTBL
0130 ( )
0131 +. DC 07-FC EIS_DUMP_OBSTBL
0132 BC (07 07 07 00 00 70 00)
0133 C.
0134 C. Execute, after the success of OBSTBL upload.
0135 C. Set EIS TI-commands
0136 +. TI 2012-12-04 10:50:50.0
0137 DC 07-FC EIS_MODE_CHG_ENA
0138 BC (20)
0139 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0140 C. *****
0141 C. EIS END OBSTBL LOAD
0142 C. *****
0143 C.
0144 . C. ***** MDP '0ÃÎ±Î»ö%Ý±ÊÂð±±æDCBC•x²è *****
0145 C. (%ã°î¥0¥Ã¥Ê¥p¥Ê¥ã¥C¥è±½¼±¼Ã»Û±±è)
0146 . S. DC-BC dcbc-402:DCBC
0147 (MDP_known_event)
0148 C.
0149 C.
0150 . C. ***** ¥Ð¥¹•İ Daily±¿İÑ±Ê´0±±æDCBC•x²è *****
0151 . S. DC-BC dcbc-153:DCBC
0152 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0153 C.
0154 C.
0155 . C. ¡ãLOS¥Á¥S¥Ã¥¬¼Ã»Û¡ã
0156 C.
0157 . C. ***** LOS *****
0158 C.

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main-311 2012-12-04 12:23:45 169 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. jãAOS¥Á¥$¥Ã¥¬¼Ä»Üjã
0005 C.
0006 C. ¥Ã¥ßj¼¥³¥Ð¥Ó¥ÉÄ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ÄijË¿¿À«•µ°Æ»İ×ÅÇ¿İ¥Ç¥Ã¥×¥İj¼¥ÊjËËè½µ•İËjËòÈ¼°ÇÒ«•¿¿İ¹Ç¿İjÇÀ®, ù«¹«è«¿ÇÄ÷¿®«•«Ê«««³«Êj£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÄ÷¿®µjON
0016 C. *****
0017 C. Ç'' °ÆÄ, İ×ÊÝ¿¿¿LOS¿¿¿Ç¿¿İjÞ'Ö«ò¹İİ, «•jÇÉÔİ×«EXÄÓON«İ¹Ô«Ê«İ«Ê«««³«Êj£
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. ÇÇ[HK1_XPA_ON/OFF] EQ ON
0025 C. ÇÇ[HK1_XPA_PWR_HI/L0] EQ HI
0026 C. ÇÇ[HK1_XMOD_ON/OFF] EQ ON
0027 C. ÇÇ[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. X¥Ð¥Ó¥É¥İ¥Ã¥¬¼ÖÄÖ«¬¼Äê«•¿¿«ÊjÇ°Ê²¼«İ°ÆÄ, ¼ê½Ç«ò¼Ä¹Ô«¹«èj£
0030 C.
0031 . C. *****
0032 C. DR PT1 Äİ¾İ°ÆÄ,
0033 C. *****
0034 C. Ç'' RESTARTjËPT1jË«•¿¿¿¿İ¹Ç¿İjÇ°Ê²¼«İ¼Ä¹Ô«»«°jÇDCBC-150«Ø¿¿«àj£
0035 C.
0036 . C. jãPT1°ÆÄ, ³«»İjã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01_00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, j¾Ú)
0043 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, j¾Ú)
0044 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, j¾Ú)
0045 C.
0046 . C. jã¥Ç¥Ó¥Æ¥ÊÄÜÄØjÊÄ•Äº²óÈòjË, ä«İ°ÆÄ, °Æ³«jã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. ÇÇ[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹Ö, j¾Ú)
0050 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, j¾Ú)
0051 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, j¾Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÄ, «¬¼«Æ°Ää»ß«•¿¿, äjÇ°Ê²¼«ò¼Ä¹Ô«¹«èj£
0055 C. ¥Ç¥Ó¥Æ¥ÊÄÜÄØ«ÄÄ•Äº²óÈò«¬¼á«¿¿İ¹Ç¿İ'İ»«¹«è«¿ÇÄÖ«Äj£
0056 C.
0057 . C. *****
0058 C. DR PT2 Äİ¾İ°ÆÄ,
0059 C. *****
0060 C. Ç'' RESTARTjËPT2jË«•¿¿¿¿İ¹Ç¿İjÇ°Ê²¼«İ¼Ä¹Ô«»«°jÇDCBC-151«Ø¿¿«àj£
0061 C.
0062 . C. jãPT2°ÆÄ, ³«»İjã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02_00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, j¾Ú)
0069 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, j¾Ú)
0070 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, j¾Ú)
0071 C.
0072 . C. jã¥Ç¥Ó¥Æ¥ÊÄÜÄØjÊÄ•Äº²óÈòjË, ä«İ°ÆÄ, °Æ³«jã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. ÇÇ[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹Ö, j¾Ú)
0076 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, j¾Ú)
0077 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, j¾Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÄ, Ää»ßjÇXÄ÷¿®µjOFF
0081 C. *****
0082 C.
0083 . C. jãDR°ÆÄ, Ää»ßjã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. ÇÇ[HK1_REP_STA/STP] EQ STOP
0087 C. ÇÇ[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. jãXÄ÷¿®µjOFFjã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. ÇÇ[HK1_XMOD_ON/OFF] EQ OFF
0095 C. ÇÇ[HK1_XPA_ON/OFF] EQ OFF
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0096 C.
0097 C.
0098 . C.
0099 C. SOT table upload
0100 C.
0101 . C. < Stop FG table >
0102 +. DC 07-F0 MDP_FG_CTRL_MANU
0103 BC (51)
0104 C.
0105 C. MDP_FG_CTRL_MODE = MANU [ ]
0106 C.
0107 C.
0108 . C. <Upload FG Observation Table>
0109 . S. RAM ram-261:MDP_OBS_F
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_F >
0113 +. DC 07-F0 MDP_DUMP_FGTBL
0114 BC (82 07 00 00 00 38 b8)
0115 C.
0116 C. MDP_OBS_F verify = OK/NG [ ]
0117 C.
0118 C.
0119 . C. < Upload DPL table >
0120 C.
0121 C. STS_CHK OFF
0122 C.
0123 . S. RAM ram-271:MDP_DPL
0124 ( )
0125 C.
0126 . C. < Dump RAMID=MDP_DPL >
0127 +. DC 07-F0 MDP_DUMP_FGTBL
0128 BC (82 07 00 38 b8 00 40)
0129 C.
0130 C. MDP_DPL verify = OK [ ]
0131 C.
0132 C.
0133 C. STS_CHK ON
0134 C.
0135 . C. < Update MDP DSC PAR1 >
0136 +. DC 07-F0 MDP_DSC_PAR1_UPDATE
0137 BC (4c)
0138 C. MDP_CMD_CODE = F04C0700 [ ]
0139 C. MDP_CMD_CNT (count-up 1) [ ]
0140 C.
0141 C.
0142 . C.
0143 C.
0144 C. SOT TI command set
0145 C.
0146 C. Execute, after the success of TBL upload.
0147 +. TI 2012-12-04 10:50:18.0
0148 DC 07-F0 MDP_SOT_MODE_OBSV
0149 BC (40)
0150 C.
0151 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0152 C.
0153 C.
0154 C.
0155 C. ***** MDP '0A1I»0%Y»EÄ»DCBC•x²è *****
0156 C. (%â°I¥0¥Ä¥E¥D¥E¥Ä¥C¥E½%»U»¹è)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 C. ***** ¥D¥¹•I Daily±¿ÎÑ»E´0»¹èDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 C. iäLOS¥Ä¥S¥Ä¥¼Ä»Üjä
0167 C.
0168 C. ***** LOS *****
0169 C.

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

|            |            |                                    |                        |
|------------|------------|------------------------------------|------------------------|
| 2012/12/04 | 11:01:00.0 | AOCS_ORe-point_Start_1_OG [0x097]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 00 00 ac cd |
| 2012/12/04 | 11:21:00.0 | AOCS_ORe-point_Start_2_OG [0x098]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 00 00 d6 67 |
| 2012/12/04 | 11:36:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |                        |
|            |            | MDP_XRT_CTRL_MANU                  | 1 07-F0 c1             |
| 2012/12/04 | 11:36:56.0 | XRT_FOCUS_POSITION_403_OG [0x193]  |                        |
|            |            | XRT_FOCUS_POSITION                 | 4 07-F8 22 ff aa 00    |
| 2012/12/04 | 11:37:00.0 | AOCS_ORe-point_Start_3_OG [0x099]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 00 00 00 00 |
| 2012/12/04 | 11:37:16.0 | XRT_FLD_DIS_404_OG [0x194]         |                        |
|            |            | MDP_XRT_FLD_DIS                    | 1 07-F0 d9             |
| 2012/12/04 | 11:37:18.0 | XRT_FLRCTRL_DIS_405_OG [0x195]     |                        |
|            |            | MDP_XRT_FLRCTRL_DIS                | 1 07-F0 c9             |
| 2012/12/04 | 11:37:20.0 | XRT_ARS_DIS_406_OG [0x196]         |                        |
|            |            | MDP_XRT_ARS_DIS                    | 1 07-F0 d5             |
| 2012/12/04 | 11:39:58.0 | XRT_QT_PROG_SET_421_OG [0x1a5]     |                        |
|            |            | MDP_XRT_QT_PROG_SET                | 2 07-F0 c4 02          |
| 2012/12/04 | 11:40:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |                        |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 07-F0 c0             |
| 2012/12/04 | 11:52:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |                        |
|            |            | MDP_XRT_CTRL_MANU                  | 1 07-F0 c1             |
| 2012/12/04 | 11:53:00.0 | AOCS_ORe-point_Start_4_OG [0x09a]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 00 00 29 99 |
| 2012/12/04 | 12:09:00.0 | AOCS_ORe-point_Start_5_OG [0x09b]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 00 00 53 33 |
| 2012/12/04 | 12:25:00.0 | AOCS_ORe-point_Start_6_OG [0x09c]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 d6 36 b7 8e |
| 2012/12/04 | 12:35:00.0 | AOCS_ORe-point_Start_7_OG [0x09d]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 b4 b5 db 75 |
| 2012/12/04 | 12:51:00.0 | AOCS_ORe-point_Start_8_OG [0x09e]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 ac 5b 00 00 |
| 2012/12/04 | 13:07:00.0 | AOCS_ORe-point_Start_9_OG [0x09f]  |                        |
|            |            | AOCU_NM                            | 5 02-76 00 b4 b5 24 8b |
| 2012/12/04 | 13:23:00.0 | AOCS_ORe-point_Start_10_OG [0x0a0] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 d6 36 48 72 |
| 2012/12/04 | 13:33:00.0 | AOCS_ORe-point_Start_11_OG [0x0a1] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 29 ca b7 8e |
| 2012/12/04 | 13:43:00.0 | AOCS_ORe-point_Start_12_OG [0x0a2] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 4b 4b db 75 |
| 2012/12/04 | 13:59:00.0 | AOCS_ORe-point_Start_13_OG [0x0a3] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 53 a5 00 00 |
| 2012/12/04 | 14:31:00.5 | AOCS_ORe-point_Start_14_OG [0x0a4] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 4b 4b 24 8b |
| 2012/12/04 | 14:47:00.0 | AOCS_ORe-point_Start_15_OG [0x0a5] |                        |
|            |            | AOCU_NM                            | 5 02-76 00 29 db 48 72 |
| 2012/12/04 | 15:04:54.0 | XRT_CTRL_MANU_447_OG [0x1bf]       |                        |
|            |            | MDP_XRT_CTRL_MANU                  | 1 07-F0 c1             |
| 2012/12/04 | 15:05:00.0 | AOCS_ORe-point_Start_16_OG [0x0a6] |                        |
|            |            | AOCU_NM                            | 5 02-76 01 00 00 00 00 |
| 2012/12/04 | 15:07:26.0 | XRT_FOCUS_POSITION_420_OG [0x1a4]  |                        |
|            |            | XRT_FOCUS_POSITION                 | 4 07-F8 22 fe 97 00    |
| 2012/12/04 | 15:07:46.0 | XRT_FLD_ENA_428_OG [0x1ac]         |                        |
|            |            | MDP_XRT_FLD_ENA                    | 1 07-F0 d8             |
| 2012/12/04 | 15:07:48.0 | XRT_FLRCTRL_ENA_429_OG [0x1ad]     |                        |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 07-F0 c8             |
| 2012/12/04 | 15:07:50.0 | XRT_AEC_RESET_423_OG [0x1a7]       |                        |
|            |            | MDP_XRT_AEC_RESET                  | 1 07-F0 d0             |
| 2012/12/04 | 15:07:52.0 | XRT_ARS_DIS_438_OG [0x1b6]         |                        |
|            |            | MDP_XRT_ARS_DIS                    | 1 07-F0 d5             |
| 2012/12/04 | 15:07:54.0 | XRT_FLD_RESET_424_OG [0x1a8]       |                        |
|            |            | MDP_XRT_FLD_RESET                  | 1 07-F0 da             |
| 2012/12/04 | 15:07:56.0 | XRT_QT_PROG_SET_436_OG [0x1b4]     |                        |
|            |            | MDP_XRT_QT_PROG_SET                | 2 07-F0 c4 0a          |
| 2012/12/04 | 15:07:58.0 | XRT_FL_PROG_SET_444_OG [0x1bc]     |                        |
|            |            | MDP_XRT_FL_PROG_SET                | 2 07-F0 c5 10          |
| 2012/12/04 | 15:08:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |                        |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 07-F0 c0             |
| 2012/12/04 | 15:51:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |                        |
|            |            | MDP_XRT_CTRL_MANU                  | 1 07-F0 c1             |
| 2012/12/04 | 15:51:02.0 | XRT_FLD_RESET_424_OG [0x1a8]       |                        |
|            |            | MDP_XRT_FLD_RESET                  | 1 07-F0 da             |
| 2012/12/04 | 15:51:04.0 | XRT_PREFLR_STRT_432_OG [0x1b0]     |                        |
|            |            | MDP_XRT_PREFLR_STRT                | 1 07-F0 e8             |
| 2012/12/04 | 15:54:14.0 | XRT_PREFLR_STOP_433_OG [0x1b1]     |                        |
|            |            | MDP_XRT_PREFLR_STOP                | 1 07-F0 e9             |
| 2012/12/04 | 16:14:30.0 | XRT_Custom_434_OG [0x1b2]          |                        |
| 2012/12/04 | 16:15:30.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |                        |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 07-F0 c0             |
| 2012/12/04 | 17:27:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |                        |
|            |            | MDP_XRT_CTRL_MANU                  | 1 07-F0 c1             |
| 2012/12/04 | 17:27:32.0 | XRT_FLD_RESET_424_OG [0x1a8]       |                        |
|            |            | MDP_XRT_FLD_RESET                  | 1 07-F0 da             |
| 2012/12/04 | 17:27:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]     |                        |
|            |            | MDP_XRT_PREFLR_STRT                | 1 07-F0 e8             |
| 2012/12/04 | 17:30:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]     |                        |
|            |            | MDP_XRT_PREFLR_STOP                | 1 07-F0 e9             |
| 2012/12/04 | 17:51:00.0 | XRT_Custom_434_OG [0x1b2]          |                        |
| 2012/12/04 | 17:52:00.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |                        |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 07-F0 c0             |
| 2012/12/04 | 19:04:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |                        |

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|            |            |                                    |                     |   |       |                |  |
|------------|------------|------------------------------------|---------------------|---|-------|----------------|--|
| 2012/12/04 | 19:04:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/04 | 19:04:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2012/12/04 | 19:07:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2012/12/04 | 19:28:00.0 | XRT_Custom_434_0G [0x1b2]          |                     |   |       |                |  |
| 2012/12/04 | 19:29:00.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/04 | 20:04:54.0 | XRT_CTRL_MANU_402_0G [0x192]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/04 | 20:04:56.0 | XRT_FOCUS_POSITION_403_0G [0x193]  |                     |   |       |                |  |
|            |            |                                    | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 ff aa 00    |  |
| 2012/12/04 | 20:05:00.0 | AOCS_ORe-point_Start_3_0G [0x099]  |                     |   |       |                |  |
|            |            |                                    | AOCU_NM             | 5 | 02-76 | 00 00 00 00 00 |  |
| 2012/12/04 | 20:05:16.0 | XRT_FLD_DIS_404_0G [0x194]         |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_DIS     | 1 | 07-F0 | d9             |  |
| 2012/12/04 | 20:05:18.0 | XRT_FLRCTRL_DIS_405_0G [0x195]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9             |  |
| 2012/12/04 | 20:05:20.0 | XRT_ARS_DIS_406_0G [0x196]         |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2012/12/04 | 20:07:58.0 | XRT_QT_PROG_SET_409_0G [0x199]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 01          |  |
| 2012/12/04 | 20:08:00.0 | XRT_CTRL_AUTO_408_0G [0x198]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/04 | 20:34:54.0 | XRT_CTRL_MANU_447_0G [0x1bf]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/04 | 20:35:00.0 | AOCS_ORe-point_Start_17_0G [0x0a7] |                     |   |       |                |  |
|            |            |                                    | AOCU_NM             | 5 | 02-76 | 03 00 00 00 00 |  |
| 2012/12/04 | 20:37:26.0 | XRT_FOCUS_POSITION_420_0G [0x1a4]  |                     |   |       |                |  |
|            |            |                                    | XRT_FOCUS_POSITION  | 4 | 07-F8 | 22 fe 97 00    |  |
| 2012/12/04 | 20:37:46.0 | XRT_FLD_ENA_428_0G [0x1ac]         |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_ENA     | 1 | 07-F0 | d8             |  |
| 2012/12/04 | 20:37:48.0 | XRT_FLRCTRL_ENA_429_0G [0x1ad]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8             |  |
| 2012/12/04 | 20:37:50.0 | XRT_AEC_RESET_423_0G [0x1a7]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_AEC_RESET   | 1 | 07-F0 | d0             |  |
| 2012/12/04 | 20:37:52.0 | XRT_ARS_DIS_438_0G [0x1b6]         |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_ARS_DIS     | 1 | 07-F0 | d5             |  |
| 2012/12/04 | 20:37:54.0 | XRT_FLD_RESET_424_0G [0x1a8]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/04 | 20:37:56.0 | XRT_QT_PROG_SET_436_0G [0x1b4]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0a          |  |
| 2012/12/04 | 20:37:58.0 | XRT_FL_PROG_SET_444_0G [0x1bc]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 10          |  |
| 2012/12/04 | 20:38:00.0 | XRT_CTRL_AUTO_408_0G [0x198]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/04 | 20:42:00.0 | XRT_CTRL_MANU_400_0G [0x190]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/04 | 20:42:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/04 | 20:42:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2012/12/04 | 20:45:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2012/12/04 | 21:05:30.0 | XRT_Custom_434_0G [0x1b2]          |                     |   |       |                |  |
| 2012/12/04 | 21:06:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/04 | 22:19:30.0 | XRT_CTRL_MANU_400_0G [0x190]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/04 | 22:19:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/04 | 22:19:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2012/12/04 | 22:22:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2012/12/04 | 22:40:30.0 | XRT_Custom_434_0G [0x1b2]          |                     |   |       |                |  |
| 2012/12/04 | 22:41:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/04 | 23:56:30.0 | XRT_CTRL_MANU_400_0G [0x190]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/04 | 23:56:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/04 | 23:56:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2012/12/04 | 23:59:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2012/12/05 | 00:05:30.0 | XRT_Custom_434_0G [0x1b2]          |                     |   |       |                |  |
| 2012/12/05 | 00:06:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_AUTO   | 1 | 07-F0 | c0             |  |
| 2012/12/05 | 01:21:30.0 | XRT_CTRL_MANU_400_0G [0x190]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/05 | 01:21:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_FLD_RESET   | 1 | 07-F0 | da             |  |
| 2012/12/05 | 01:21:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8             |  |
| 2012/12/05 | 01:24:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9             |  |
| 2012/12/05 | 01:34:54.0 | XRT_CTRL_MANU_447_0G [0x1bf]       |                     |   |       |                |  |
|            |            |                                    | MDP_XRT_CTRL_MANU   | 1 | 07-F0 | c1             |  |
| 2012/12/05 | 01:35:00.0 | AOCS_ORe-point_Start_18_0G [0x0a8] |                     |   |       |                |  |
|            |            |                                    | AOCU_NM             | 5 | 02-76 | 02 00 00 00 00 |  |



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|            |            |                                    |   |                      |
|------------|------------|------------------------------------|---|----------------------|
| 2012/12/05 | 01:37:26.0 | XRT_FOCUS_POSITION_420_OG [0x1a4]  |   |                      |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 22 fe 97 00    |
| 2012/12/05 | 01:37:46.0 | XRT_FLD_ENA_428_OG [0x1ac]         |   |                      |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 d8             |
| 2012/12/05 | 01:37:48.0 | XRT_FLRCTRL_ENA_429_OG [0x1ad]     |   |                      |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 c8             |
| 2012/12/05 | 01:37:50.0 | XRT_AEC_RESET_423_OG [0x1a7]       |   |                      |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 d0             |
| 2012/12/05 | 01:37:52.0 | XRT_ARS_DIS_438_OG [0x1b6]         |   |                      |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 d5             |
| 2012/12/05 | 01:37:54.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 da             |
| 2012/12/05 | 01:37:56.0 | XRT_QT_PROG_SET_430_OG [0x1ae]     |   |                      |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 c4 07          |
| 2012/12/05 | 01:37:58.0 | XRT_FL_PROG_SET_444_OG [0x1bc]     |   |                      |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 c5 10          |
| 2012/12/05 | 01:39:30.0 | XRT_Custom_434_OG [0x1b2]          |   |                      |
| 2012/12/05 | 01:40:30.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 02:55:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 02:55:32.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 da             |
| 2012/12/05 | 02:55:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]     |   |                      |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 e8             |
| 2012/12/05 | 02:58:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]     |   |                      |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 e9             |
| 2012/12/05 | 03:16:30.0 | XRT_Custom_434_OG [0x1b2]          |   |                      |
| 2012/12/05 | 03:17:30.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 04:25:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 04:25:32.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 da             |
| 2012/12/05 | 04:25:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]     |   |                      |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 e8             |
| 2012/12/05 | 04:28:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]     |   |                      |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 e9             |
| 2012/12/05 | 04:54:00.0 | XRT_Custom_434_OG [0x1b2]          |   |                      |
| 2012/12/05 | 04:55:00.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 05:37:54.0 | XRT_CTRL_MANU_402_OG [0x192]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 05:37:56.0 | XRT_FOCUS_POSITION_403_OG [0x193]  |   |                      |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 22 ff aa 00    |
| 2012/12/05 | 05:38:00.0 | AOCS_ORe-point_Start_3_OG [0x099]  |   |                      |
|            |            | AOCU_NM                            | 5 | 02-76 00 00 00 00 00 |
| 2012/12/05 | 05:38:16.0 | XRT_FLD_DIS_404_OG [0x194]         |   |                      |
|            |            | MDP_XRT_FLD_DIS                    | 1 | 07-F0 d9             |
| 2012/12/05 | 05:38:18.0 | XRT_FLRCTRL_DIS_405_OG [0x195]     |   |                      |
|            |            | MDP_XRT_FLRCTRL_DIS                | 1 | 07-F0 c9             |
| 2012/12/05 | 05:38:20.0 | XRT_ARS_DIS_406_OG [0x196]         |   |                      |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 d5             |
| 2012/12/05 | 05:40:58.0 | XRT_QT_PROG_SET_419_OG [0x1a3]     |   |                      |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 c4 0d          |
| 2012/12/05 | 05:41:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 05:47:54.0 | XRT_CTRL_MANU_447_OG [0x1bf]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 05:48:00.0 | AOCS_ORe-point_Start_19_OG [0x0a9] |   |                      |
|            |            | AOCU_NM                            | 5 | 02-76 00 ee 36 54 31 |
| 2012/12/05 | 05:50:26.0 | XRT_FOCUS_POSITION_420_OG [0x1a4]  |   |                      |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 22 fe 97 00    |
| 2012/12/05 | 05:50:46.0 | XRT_FLD_ENA_428_OG [0x1ac]         |   |                      |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 d8             |
| 2012/12/05 | 05:50:48.0 | XRT_FLRCTRL_ENA_429_OG [0x1ad]     |   |                      |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 c8             |
| 2012/12/05 | 05:50:50.0 | XRT_AEC_RESET_423_OG [0x1a7]       |   |                      |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 d0             |
| 2012/12/05 | 05:50:52.0 | XRT_ARS_DIS_438_OG [0x1b6]         |   |                      |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 d5             |
| 2012/12/05 | 05:50:54.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 da             |
| 2012/12/05 | 05:50:56.0 | XRT_QT_PROG_SET_415_OG [0x19f]     |   |                      |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 c4 0e          |
| 2012/12/05 | 05:50:58.0 | XRT_FL_PROG_SET_444_OG [0x1bc]     |   |                      |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 c5 10          |
| 2012/12/05 | 05:51:00.0 | XRT_CTRL_AUTO_408_OG [0x198]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 06:05:30.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 06:05:32.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 da             |
| 2012/12/05 | 06:05:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]     |   |                      |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 e8             |
| 2012/12/05 | 06:08:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]     |   |                      |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 e9             |
| 2012/12/05 | 06:31:30.0 | XRT_Custom_434_OG [0x1b2]          |   |                      |
| 2012/12/05 | 06:32:30.0 | XRT_CTRL_AUTO_413_OG [0x19d]       |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 c0             |
| 2012/12/05 | 07:46:00.0 | XRT_CTRL_MANU_400_OG [0x190]       |   |                      |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 c1             |
| 2012/12/05 | 07:46:02.0 | XRT_FLD_RESET_424_OG [0x1a8]       |   |                      |

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|            |            |                                    |   |       |                |
|------------|------------|------------------------------------|---|-------|----------------|
| 2012/12/05 | 07:46:04.0 | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
|            |            | XRT_PREFLR_STRT_432_0G [0x1b0]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |
| 2012/12/05 | 07:49:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |
| 2012/12/05 | 08:08:30.0 | XRT_Custom_434_0G [0x1b2]          |   |       |                |
| 2012/12/05 | 08:09:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 09:26:00.0 | XRT_CTRL_MANU_400_0G [0x190]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 09:26:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
| 2012/12/05 | 09:26:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |
| 2012/12/05 | 09:29:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |
| 2012/12/05 | 09:43:30.0 | XRT_Custom_434_0G [0x1b2]          |   |       |                |
| 2012/12/05 | 09:44:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 14:52:00.0 | XRT_CTRL_MANU_400_0G [0x190]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 14:52:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
| 2012/12/05 | 14:52:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |
| 2012/12/05 | 14:55:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |
| 2012/12/05 | 15:04:30.0 | XRT_Custom_434_0G [0x1b2]          |   |       |                |
| 2012/12/05 | 15:05:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 16:27:00.0 | XRT_CTRL_MANU_400_0G [0x190]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 16:27:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
| 2012/12/05 | 16:27:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |
| 2012/12/05 | 16:30:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |
| 2012/12/05 | 16:51:00.0 | XRT_Custom_434_0G [0x1b2]          |   |       |                |
| 2012/12/05 | 16:52:00.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 17:40:54.0 | XRT_CTRL_MANU_402_0G [0x192]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 17:40:56.0 | XRT_FOCUS_POSITION_403_0G [0x193]  |   |       |                |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 ff aa 00    |
| 2012/12/05 | 17:41:00.0 | AOCS_ORe-point_Start_3_0G [0x099]  |   |       |                |
|            |            | AOCU_NM                            | 5 | 02-76 | 00 00 00 00 00 |
| 2012/12/05 | 17:41:16.0 | XRT_FLD_DIS_404_0G [0x194]         |   |       |                |
|            |            | MDP_XRT_FLD_DIS                    | 1 | 07-F0 | d9             |
| 2012/12/05 | 17:41:18.0 | XRT_FLRCTRL_DIS_405_0G [0x195]     |   |       |                |
|            |            | MDP_XRT_FLRCTRL_DIS                | 1 | 07-F0 | c9             |
| 2012/12/05 | 17:41:20.0 | XRT_ARS_DIS_406_0G [0x196]         |   |       |                |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |
| 2012/12/05 | 17:43:58.0 | XRT_QT_PROG_SET_419_0G [0x1a3]     |   |       |                |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 0d          |
| 2012/12/05 | 17:44:00.0 | XRT_CTRL_AUTO_408_0G [0x198]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 17:50:54.0 | XRT_CTRL_MANU_447_0G [0x1bf]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 17:51:00.0 | AOCS_ORe-point_Start_20_0G [0x0aa] |   |       |                |
|            |            | AOCU_NM                            | 5 | 02-76 | 04 00 00 00 00 |
| 2012/12/05 | 17:53:26.0 | XRT_FOCUS_POSITION_420_0G [0x1a4]  |   |       |                |
|            |            | XRT_FOCUS_POSITION                 | 4 | 07-F8 | 22 fe 97 00    |
| 2012/12/05 | 17:53:46.0 | XRT_FLD_ENA_428_0G [0x1ac]         |   |       |                |
|            |            | MDP_XRT_FLD_ENA                    | 1 | 07-F0 | d8             |
| 2012/12/05 | 17:53:48.0 | XRT_FLRCTRL_ENA_429_0G [0x1ad]     |   |       |                |
|            |            | MDP_XRT_FLRCTRL_ENA                | 1 | 07-F0 | c8             |
| 2012/12/05 | 17:53:50.0 | XRT_AEC_RESET_423_0G [0x1a7]       |   |       |                |
|            |            | MDP_XRT_AEC_RESET                  | 1 | 07-F0 | d0             |
| 2012/12/05 | 17:53:52.0 | XRT_ARS_DIS_438_0G [0x1b6]         |   |       |                |
|            |            | MDP_XRT_ARS_DIS                    | 1 | 07-F0 | d5             |
| 2012/12/05 | 17:53:54.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
| 2012/12/05 | 17:53:56.0 | XRT_QT_PROG_SET_439_0G [0x1b7]     |   |       |                |
|            |            | MDP_XRT_QT_PROG_SET                | 2 | 07-F0 | c4 13          |
| 2012/12/05 | 17:53:58.0 | XRT_FL_PROG_SET_444_0G [0x1bc]     |   |       |                |
|            |            | MDP_XRT_FL_PROG_SET                | 2 | 07-F0 | c5 10          |
| 2012/12/05 | 17:54:00.0 | XRT_CTRL_AUTO_408_0G [0x198]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 18:04:30.0 | XRT_CTRL_MANU_400_0G [0x190]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 18:04:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |
|            |            | MDP_XRT_FLD_RESET                  | 1 | 07-F0 | da             |
| 2012/12/05 | 18:04:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STRT                | 1 | 07-F0 | e8             |
| 2012/12/05 | 18:07:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     |   |       |                |
|            |            | MDP_XRT_PREFLR_STOP                | 1 | 07-F0 | e9             |
| 2012/12/05 | 18:27:30.0 | XRT_Custom_434_0G [0x1b2]          |   |       |                |
| 2012/12/05 | 18:28:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       |   |       |                |
|            |            | MDP_XRT_CTRL_AUTO                  | 1 | 07-F0 | c0             |
| 2012/12/05 | 19:41:30.0 | XRT_CTRL_MANU_400_0G [0x190]       |   |       |                |
|            |            | MDP_XRT_CTRL_MANU                  | 1 | 07-F0 | c1             |
| 2012/12/05 | 19:41:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       |   |       |                |

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|            |            |                                    |                        |   |       |                |
|------------|------------|------------------------------------|------------------------|---|-------|----------------|
| 2012/12/05 | 19:41:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/05 | 19:44:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/05 | 20:05:00.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/05 | 20:06:00.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/05 | 21:19:00.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/05 | 21:19:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/05 | 21:19:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/05 | 21:22:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/05 | 21:41:30.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/05 | 21:42:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/05 | 22:56:30.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/05 | 22:56:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/05 | 22:56:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/05 | 22:59:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/05 | 23:15:30.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/05 | 23:16:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 00:33:30.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 00:33:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 00:33:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/06 | 00:36:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/06 | 00:40:30.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/06 | 00:41:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 01:56:00.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 01:56:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 01:56:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/06 | 01:59:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/06 | 02:16:00.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/06 | 02:17:00.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 03:28:00.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 03:28:02.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 03:28:04.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/06 | 03:31:14.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/06 | 03:53:30.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/06 | 03:54:30.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 05:03:30.0 | XRT_CTRL_MANU_400_0G [0x190]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 05:03:32.0 | XRT_FLD_RESET_424_0G [0x1a8]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 05:03:34.0 | XRT_PREFLR_STRT_432_0G [0x1b0]     | MDP_XRT_PREFLR_STRT    | 1 | 07-F0 | e8             |
| 2012/12/06 | 05:06:44.0 | XRT_PREFLR_STOP_433_0G [0x1b1]     | MDP_XRT_PREFLR_STOP    | 1 | 07-F0 | e9             |
| 2012/12/06 | 05:31:00.0 | XRT_Custom_434_0G [0x1b2]          | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/06 | 05:32:00.0 | XRT_CTRL_AUTO_413_0G [0x19d]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 05:59:24.0 | XRT_CTRL_MANU_402_0G [0x192]       | MDP_XRT_FLD_RESET      | 1 | 07-F0 | da             |
| 2012/12/06 | 05:59:26.0 | XRT_FOCUS_POSITION_403_0G [0x193]  | MDP_XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00    |
| 2012/12/06 | 05:59:30.0 | AOCS_ORe-point_Start_3_0G [0x099]  | AOCU_NM                | 5 | 02-76 | 00 00 00 00 00 |
| 2012/12/06 | 05:59:46.0 | XRT_FLD_DIS_404_0G [0x194]         | MDP_XRT_FLD_DIS        | 1 | 07-F0 | d9             |
| 2012/12/06 | 05:59:48.0 | XRT_FLRCTRL_DIS_405_0G [0x195]     | MDP_XRT_FLRCTRL_DIS    | 1 | 07-F0 | c9             |
| 2012/12/06 | 05:59:50.0 | XRT_ARS_DIS_406_0G [0x196]         | MDP_XRT_ARS_DIS        | 1 | 07-F0 | d5             |
| 2012/12/06 | 06:02:28.0 | XRT_QT_PROG_SET_419_0G [0x1a3]     | MDP_XRT_QT_PROG_SET    | 2 | 07-F0 | c4 0d          |
| 2012/12/06 | 06:02:30.0 | XRT_CTRL_AUTO_408_0G [0x198]       | MDP_XRT_CTRL_AUTO      | 1 | 07-F0 | c0             |
| 2012/12/06 | 06:09:24.0 | XRT_CTRL_MANU_447_0G [0x1bf]       | MDP_XRT_CTRL_MANU      | 1 | 07-F0 | c1             |
| 2012/12/06 | 06:09:30.0 | AOCS_ORe-point_Start_20_0G [0x0aa] |                        |   |       |                |

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|            |            |                                   |   |                      |
|------------|------------|-----------------------------------|---|----------------------|
| 2012/12/06 | 06:11:56.0 | XRT_FOCUS_POSITION_420_OG [0x1a4] | 5 | 02-76 04 00 00 00 00 |
|            |            | XRT_FOCUS_POSITION                | 4 | 07-F8 22 fe 97 00    |
| 2012/12/06 | 06:12:16.0 | XRT_FLD_ENA_428_OG [0x1ac]        |   |                      |
|            |            | MDP_XRT_FLD_ENA                   | 1 | 07-F0 d8             |
| 2012/12/06 | 06:12:18.0 | XRT_FLRCTRL_ENA_429_OG [0x1ad]    |   |                      |
|            |            | MDP_XRT_FLRCTRL_ENA               | 1 | 07-F0 c8             |
| 2012/12/06 | 06:12:20.0 | XRT_AEC_RESET_423_OG [0x1a7]      |   |                      |
|            |            | MDP_XRT_AEC_RESET                 | 1 | 07-F0 d0             |
| 2012/12/06 | 06:12:22.0 | XRT_ARS_DIS_438_OG [0x1b6]        |   |                      |
|            |            | MDP_XRT_ARS_DIS                   | 1 | 07-F0 d5             |
| 2012/12/06 | 06:12:24.0 | XRT_FLD_RESET_424_OG [0x1a8]      |   |                      |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 da             |
| 2012/12/06 | 06:12:26.0 | XRT_QT_PROG_SET_439_OG [0x1b7]    |   |                      |
|            |            | MDP_XRT_QT_PROG_SET               | 2 | 07-F0 c4 13          |
| 2012/12/06 | 06:12:28.0 | XRT_FL_PROG_SET_444_OG [0x1bc]    |   |                      |
|            |            | MDP_XRT_FL_PROG_SET               | 2 | 07-F0 c5 10          |
| 2012/12/06 | 06:12:30.0 | XRT_CTRL_AUTO_408_OG [0x198]      |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 c0             |
| 2012/12/06 | 06:43:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |                      |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 c1             |
| 2012/12/06 | 06:43:32.0 | XRT_FLD_RESET_424_OG [0x1a8]      |   |                      |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 da             |
| 2012/12/06 | 06:43:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]    |   |                      |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 e8             |
| 2012/12/06 | 06:46:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]    |   |                      |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 e9             |
| 2012/12/06 | 07:08:00.0 | XRT_Custom_434_OG [0x1b2]         |   |                      |
| 2012/12/06 | 07:09:00.0 | XRT_CTRL_AUTO_413_OG [0x19d]      |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 c0             |
| 2012/12/06 | 08:23:30.0 | XRT_CTRL_MANU_400_OG [0x190]      |   |                      |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 c1             |
| 2012/12/06 | 08:23:32.0 | XRT_FLD_RESET_424_OG [0x1a8]      |   |                      |
|            |            | MDP_XRT_FLD_RESET                 | 1 | 07-F0 da             |
| 2012/12/06 | 08:23:34.0 | XRT_PREFLR_STRT_432_OG [0x1b0]    |   |                      |
|            |            | MDP_XRT_PREFLR_STRT               | 1 | 07-F0 e8             |
| 2012/12/06 | 08:26:44.0 | XRT_PREFLR_STOP_433_OG [0x1b1]    |   |                      |
|            |            | MDP_XRT_PREFLR_STOP               | 1 | 07-F0 e9             |
| 2012/12/06 | 08:45:00.0 | XRT_Custom_434_OG [0x1b2]         |   |                      |
| 2012/12/06 | 08:46:00.0 | XRT_CTRL_AUTO_413_OG [0x19d]      |   |                      |
|            |            | MDP_XRT_CTRL_AUTO                 | 1 | 07-F0 c0             |
| 2012/12/06 | 10:00:00.0 | XRT_CTRL_MANU_402_OG [0x192]      |   |                      |
|            |            | MDP_XRT_CTRL_MANU                 | 1 | 07-F0 c1             |
| 2012/12/06 | 10:38:00.0 | AOCs_ORe-point_Start_3_OG [0x099] |   |                      |
|            |            | AOCU_NM                           | 5 | 02-76 00 00 00 00 00 |