

XRT Timeline to be uploaded on 2012/03/24

Period: 2012/03/24 10:07:00 - 2012/03/29 10:30:00

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Normal mode

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| XOB #174E: HOP81 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 384x384 | | | | | | | | | | | | |
|--|------------------------|--|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | Comment | | | | | | | | | | |
| 03/24 10:20:00 - 03/24 17:48:30 | Fixed (-14.0, 925.0) | # OP start + 10min, HOP 81, polar monitoring campaign, N pole. | | | | | | | | | | |
| 03/25 08:33:00 - 03/25 15:59:54 | Fixed (-14.0, -955.0) | * HOP 81, polar monitoring, S pole. | | | | | | | | | | |
| PROG= 20 Inf.-time(s) | | | | | | | | | | | | |
| Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 51 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Subr= 2 30-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 58 2-time(s) 30.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 4.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 8.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=90 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #18BF: Synoptic 9 Filter- 2x2 Q98 Short exp 2 loop | | | | | | | | | | | | |
|--|-------------------|---|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| Term | Pointing (x, y) | Comment | | | | | | | | | | |
| 03/24 18:19:00 - 03/24 19:25:30 | Fixed (0.0, 0.0) | synoptic, shifted 12.0 min, extended for SOT H-alpha flat fields, and XRT multi-filter. | | | | | | | | | | |
| PROG= 18 2-time(s) | | | | | | | | | | | | |
| Subr= 1 1-time(s) 180.0sec | | | | | | | | | | | | |
| Seqn= 82 1-time(s) 25.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 125ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 98 1-time(s) 25.0sec | | | | | | | | | | | | |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 250ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 74 1-time(s) 25.0sec | | | | | | | | | | | | |
| 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= 18 1-time(s) 25.0sec | | | | | | | | | | | | |
| 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= 24 1-time(s) 25.0sec | | | | | | | | | | | | |
| 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= 9 1-time(s) 4.0sec | | | | | | | | | | | | |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Subr= 2 1-time(s) 180.0sec | | | | | | | | | | | | |
| Seqn= 33 1-time(s) 4.0sec | | | | | | | | | | | | |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 22.6s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 71 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/thick-Be | Open/thick-Be | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 67 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/Al-mesh | Open/Al-mesh | close | Safe | Dark | 250ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 4 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 16ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

| XOB #18AE: AR Standard-A(Filter-Ratio) with PFB, shorter thin-Be, thick Al and Al/Poly context, 384x384 at 1064 1048 (all), 150s cad | | | | | | | | | | | | |
|--|--|------------------------|------|------|-------|-----|-----|----------------------|------|---|---|---------|
| Term | Pointing (x, y) | Comment | | | | | | | | | | |
| 03/24 19:49:36 - 03/25 05:59:24 | Track (-844.3, -342.4) @ 03/24 19:30:00 | # AR in SE (AR 11445). | | | | | | | | | | |
| 03/25 06:12:30 - 03/25 08:07:30 | Track (-813.3, -332.6) @ 03/25 06:09:30 | # Cont. | | | | | | | | | | |
| 03/25 16:03:00 - 03/25 17:59:54 | Track (-777.3, -324.0) @ 03/25 16:00:00 | * AR 11445. | | | | | | | | | | |
| 03/25 18:13:00 - 03/26 06:01:54 | Track (-768.5, -322.2) @ 03/25 18:10:00 | # Cont. | | | | | | | | | | |
| 03/26 06:15:00 - 03/26 18:04:54 | Track (-713.6, -312.5) @ 03/26 06:12:00 | # AR 11445. | | | | | | | | | | |
| 03/26 18:18:00 - 03/27 05:35:54 | Track (-649.4, -303.6) @ 03/26 18:15:00 | # Cont. | | | | | | | | | | |
| 03/27 05:49:00 - 03/27 09:24:00 | Track (-580.2, -296.0) @ 03/27 05:46:00 | # Cont. | | | | | | | | | | |
| PROG= 13 Inf.-time(s) | | | | | | | | | | | | |
| Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 19 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 16.0s | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 96 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 |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 62 15-time(s) 150.0sec | | | | | | | | | | | | |
| thin-Be/Open | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 0 | 15.0sec |
| thin-Be/Open | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 1 | 2.0sec |
| Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 1 | 15.0sec |

| | | | | | | | | | | | | |
|----------------|----------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|---------|
| thin-Be/Open | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 2 | 2.0sec |
| Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 2 | 15.0sec |
| thin-Be/Open | Open/thick-Al | close | Safe | Norm | 500ms | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 3 | 2.0sec |
| Open/Ti-poly | Open/thick-Be | close | Safe | Norm | 1.00s | Obs | 1x1 | 384x384 (1064, 1048) | Q=95 | 3 | 3 | 15.0sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval | |

XOB #18AD: Synoptic Q95 2x2 - Al/mesh(16/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 -1x1 2048x512) + Ti-poly(33/2048) + Thin-Be(12

| Term | Pointing (x, y) | Comment |
|---------------------------------|-------------------|-----------------------------|
| 03/25 06:02:30 - 03/25 06:09:24 | Fixed (0.0, 0.0) | synoptic, shifted -0.5 min |
| 03/25 18:03:00 - 03/25 18:09:54 | Fixed (0.0, 0.0) | synoptic |
| 03/26 06:05:00 - 03/26 06:11:54 | Fixed (0.0, 0.0) | synoptic, shifted 2.0 min |
| 03/26 18:08:00 - 03/26 18:14:54 | Fixed (0.0, 0.0) | synoptic, shifted 5.0 min |
| 03/27 05:39:00 - 03/27 05:45:54 | Fixed (0.0, 0.0) | synoptic, shifted -24.0 min |

PROG= 17 1-time(s)

Subr= 1 1-time(s) 12.0sec

Seqn= 7 1-time(s) 4.0sec

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

Seqn= 5 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|--------------|---------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 4x4 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 8x8 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 1x1 | 2048x512 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/thick-Al | close | Safe | Dark | 500ms | Obs | 1x1 | 512x2048 (1024, 1024) | DPCM | 0 | 0 | 2.0sec |

Seqn= 8 1-time(s) 4.0sec

| | | | | | | | | | | | | |
|--------------|--------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 32ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Open/Ti-poly | Open/Ti-poly | close | Safe | Norm | 2.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |

Seqn= 75 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|--------------|--------------|-------|------|------|-------|-----|-----|------------------------|------|---|---|--------|
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 125ms | 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= 4 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|-------------|-------------|------|------|------|------|-----|-----|------------------------|------|---|---|--------|
| Open/G-band | Open/G-band | open | Safe | Norm | 16ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
|-------------|-------------|------|------|------|------|-----|-----|------------------------|------|---|---|--------|

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

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Flare mode

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XOB #18C2: Flare standard obs. multifilter - thin-Be + (med-Al,thick-Be) 384x384 + (Al-poly 512x512 2x2)-no interval context-12 loops

| Term | Pointing (x, y) | Comment |
|---------------------------------|--|--|
| 03/24 10:20:00 - 03/24 17:48:30 | Fixed (-14.0, 925.0) | # OP start + 10min, HOP 81, polar monitoring campaign, N pole. |
| 03/24 19:49:36 - 03/25 05:59:24 | Track (-844.3, -342.4) @ 03/24 19:30:00 | # AR in SE (AR 11445). |
| 03/25 06:12:30 - 03/25 08:07:30 | Track (-813.3, -332.6) @ 03/25 06:09:30 | # Cont. |
| 03/25 08:33:00 - 03/25 15:59:54 | Fixed (-14.0, -955.0) | * HOP 81, polar monitoring, S pole. |
| 03/25 16:03:00 - 03/25 17:59:54 | Track (-777.3, -324.0) @ 03/25 16:00:00 | * AR 11445. |
| 03/25 18:13:00 - 03/26 06:01:54 | Track (-768.5, -322.2) @ 03/25 18:10:00 | # Cont. |
| 03/26 06:15:00 - 03/26 18:04:54 | Track (-713.6, -312.5) @ 03/26 06:12:00 | # AR 11445. |
| 03/26 18:18:00 - 03/27 05:35:54 | Track (-649.4, -303.6) @ 03/26 18:15:00 | # Cont. |
| 03/27 05:49:00 - 03/27 09:24:00 | Track (-580.2, -296.0) @ 03/27 05:46:00 | # Cont. |

PROG= 03 12-time(s)

Subr= 1 45-time(s) 10.0sec

Seqn= 20 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|--------------|-------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| thin-Be/Open | med-Be/Open | close | Safe | Norm | 250ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=95 | 3 | 0 | 2.0sec |
|--------------|-------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|

Seqn= 63 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|---------------|-----------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| 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 |

Seqn= 77 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|--------------|------------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| Al-poly/Open | Al-poly/thick-Al | close | Safe | Norm | 125ms | Obs | 2x2 | 512x512 (1024, 1024) | Q=95 | 2 | 0 | 2.0sec |
|--------------|------------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|

Subr= 2 1-time(s) 10.0sec

Seqn= 90 1-time(s) 2.0sec

| | | | | | | | | | | | | |
|---------------|---------------|-------|------|------|-------|-----|-----|----------------------|------|---|---|--------|
| Open/G-band | Open/G-band | open | Safe | Norm | 63ms | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Al | close | Safe | Dark | 1.00s | Obs | 1x1 | 384x384 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Open/thick-Al | Open/thick-Al | close | Safe | Dark | 1.00s | Obs | 2x2 | 512x512 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |

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

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Active Region Search

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NOT USED

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Flare Detection

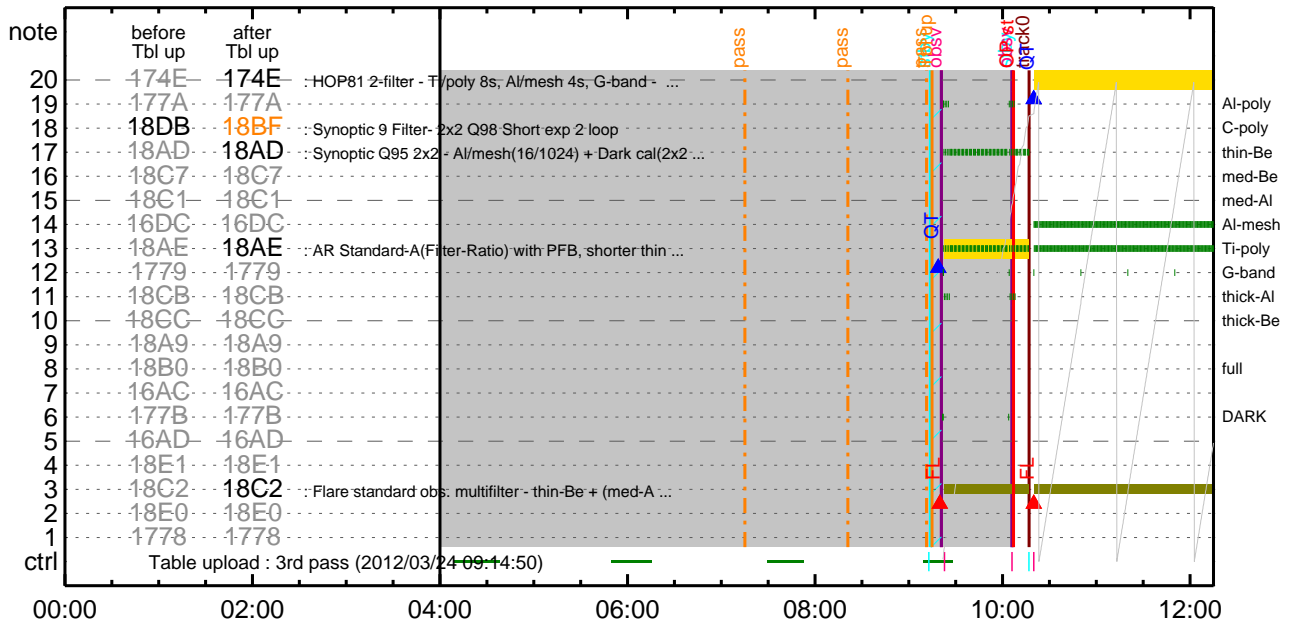
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FLD Patrol

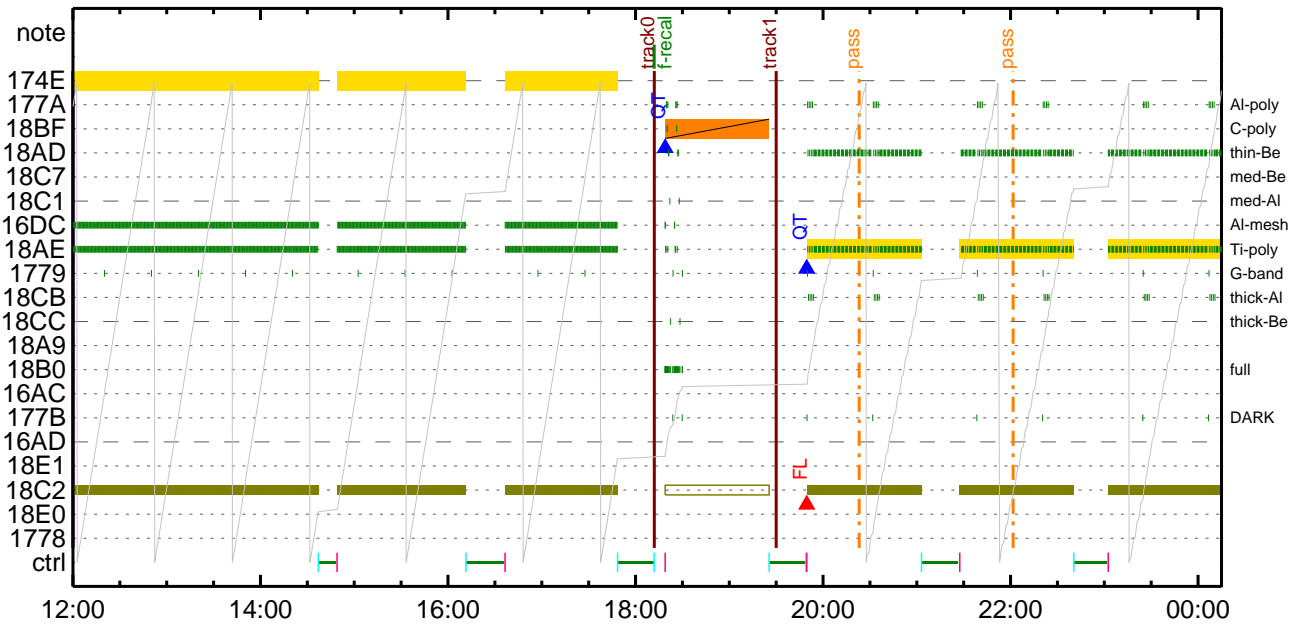
| Term | Pointing (x, y) | Comment |
|---------------------------------|--|------------------------|
| 03/24 19:49:22 - 03/25 05:59:46 | Track (-844.3, -342.4) @ 03/24 19:30:00 | # AR in SE (AR 11445). |
| 03/25 06:12:16 - 03/25 18:00:16 | Track (-813.3, -332.6) @ 03/25 06:09:30 | # Cont. |
| 03/25 18:12:46 - 03/26 06:02:16 | Track (-768.5, -322.2) @ 03/25 18:10:00 | # Cont. |
| 03/26 06:14:46 - 03/26 18:05:16 | Track (-713.6, -312.5) @ 03/26 06:12:00 | # AR 11445. |
| 03/26 18:17:46 - 03/27 05:36:16 | Track (-649.4, -303.6) @ 03/26 18:15:00 | # Cont. |
| 03/27 05:48:46 - 03/29 10:30:00 | Track (-580.2, -296.0) @ 03/27 05:46:00 | # Cont. |

| | | | | | | | | | | |
|----------------|----------------|-------|------|-------|------|-----|-----|--------------------|-------|---------------------|
| Open/Ti-poly | Open/thick-Al | close | Safe | Norm | 8ms | Obs | 8x8 | | Q=50 | 30sec |
| Default Filter | Thicker Filter | VLS | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer Interval |

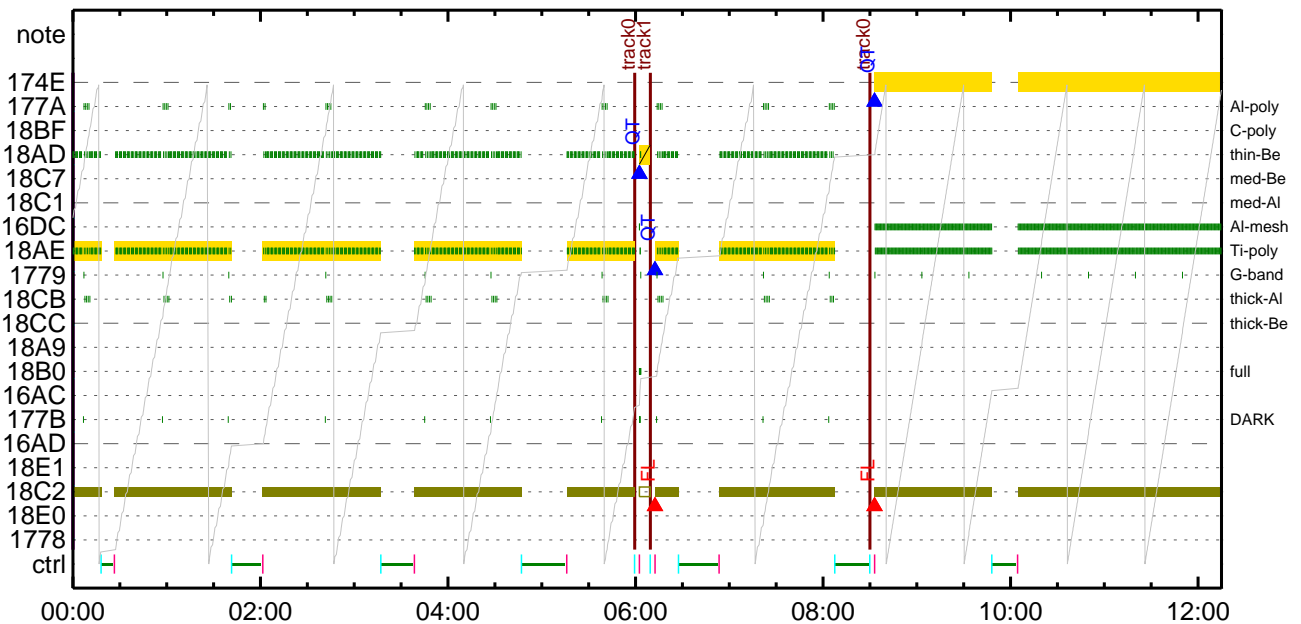
CMDI #0537 2012/03/24



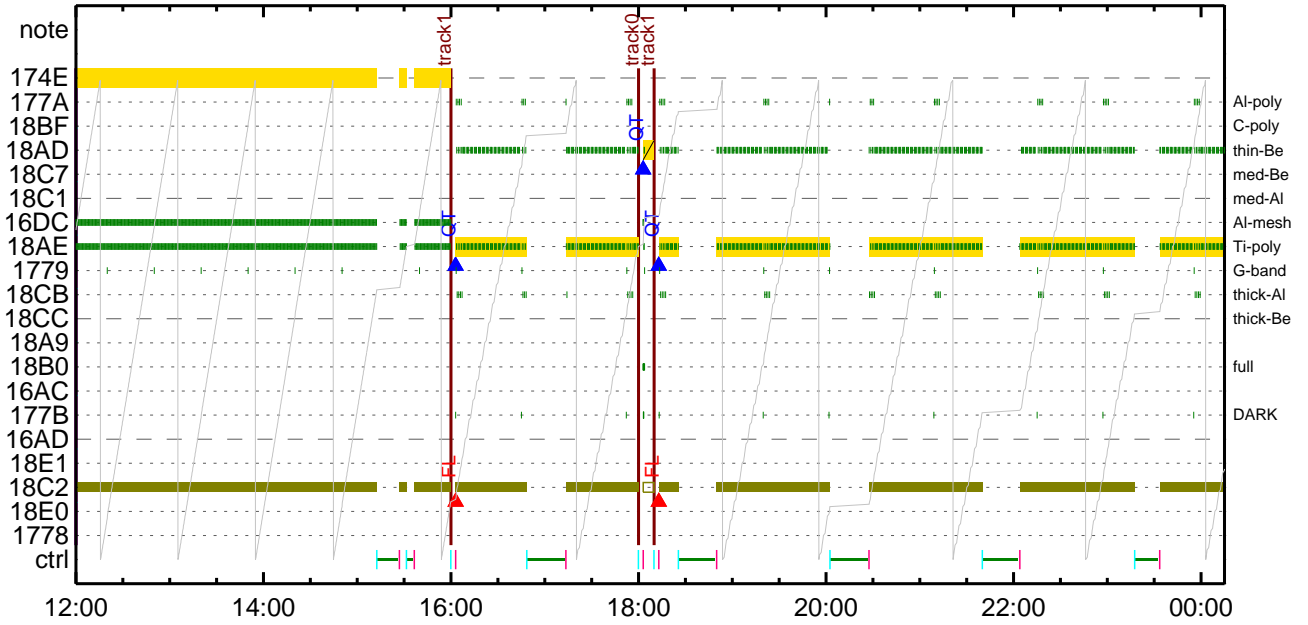
CMDI #0537 2012/03/24



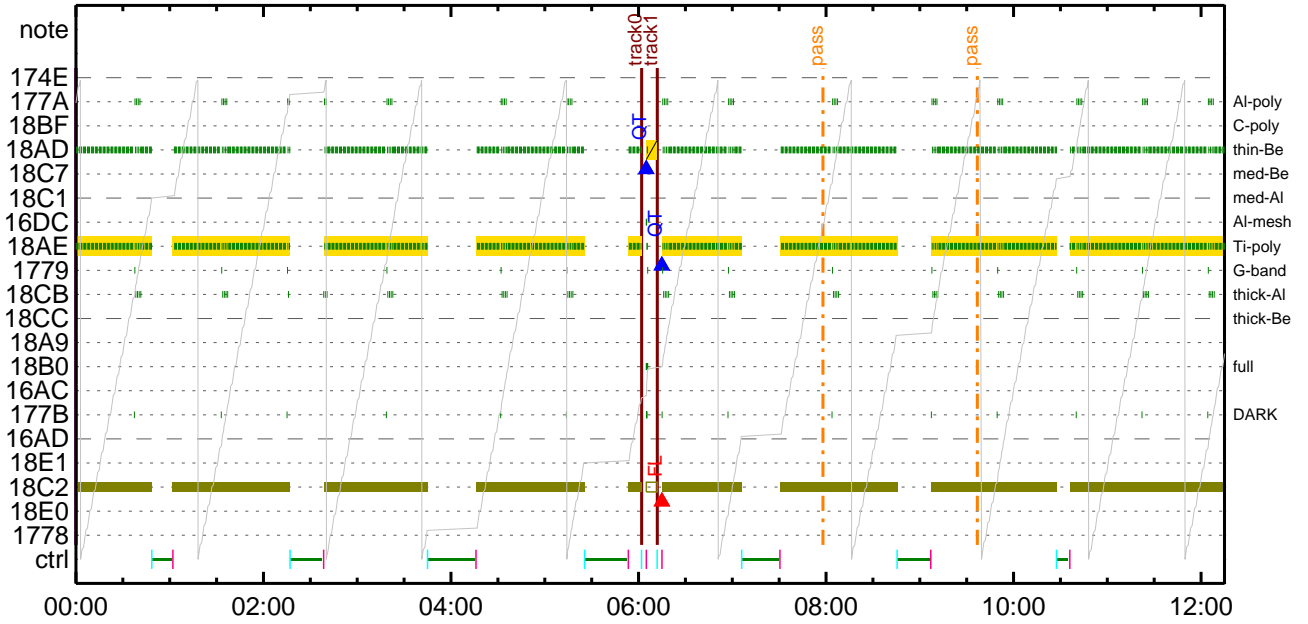
CMDI #0537 2012/03/25



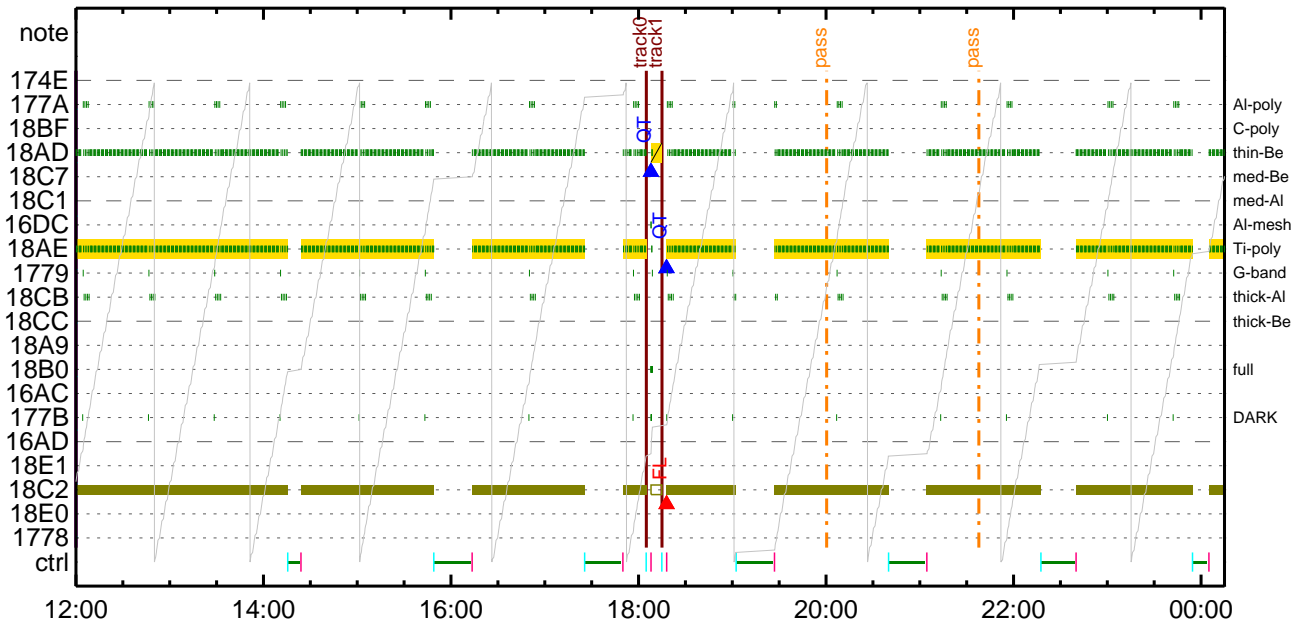
CMDI #0537 2012/03/25



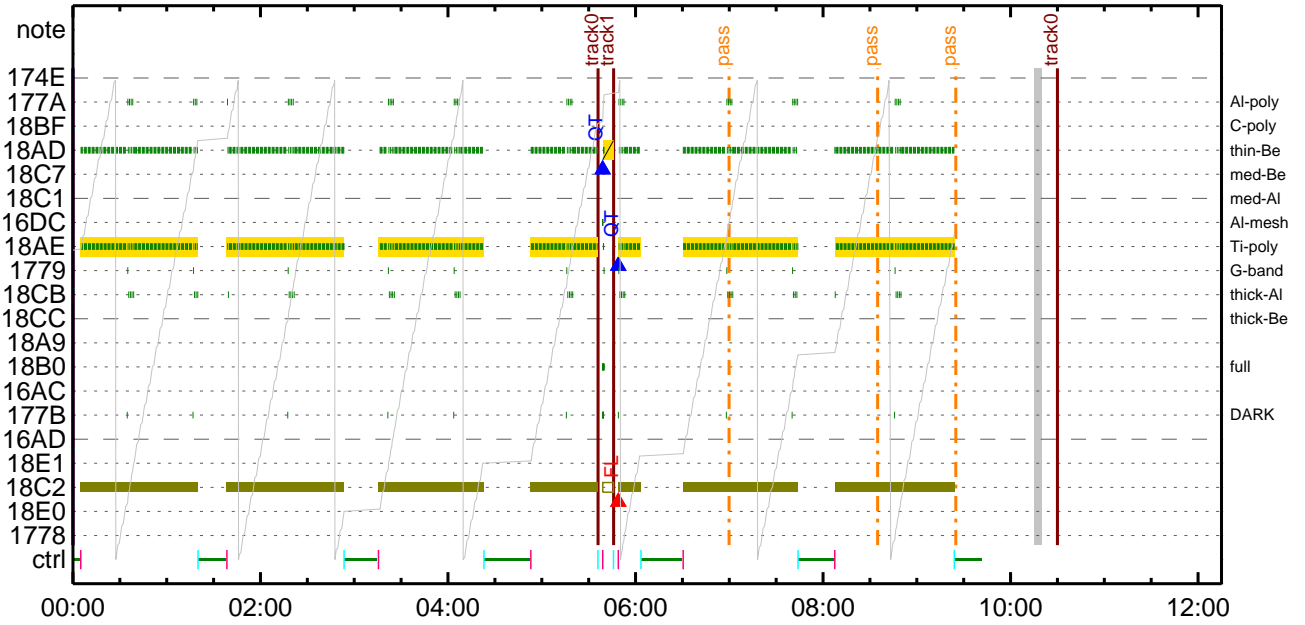
CMDI #0537 2012/03/26



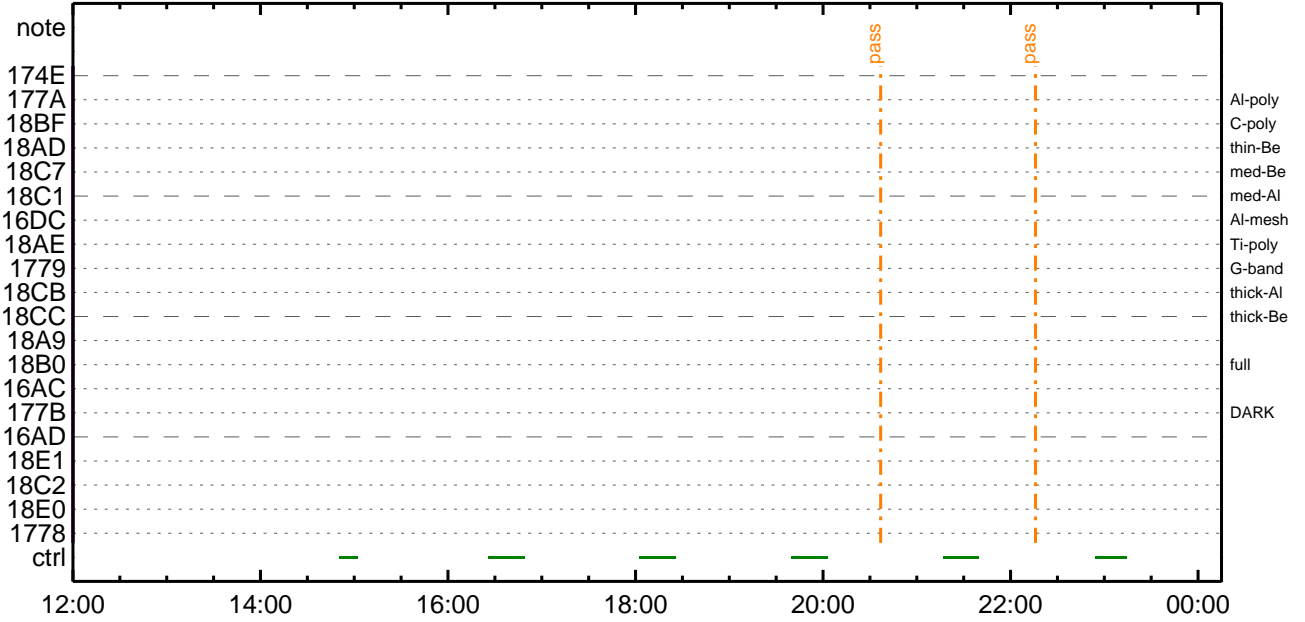
CMDI #0537 2012/03/26



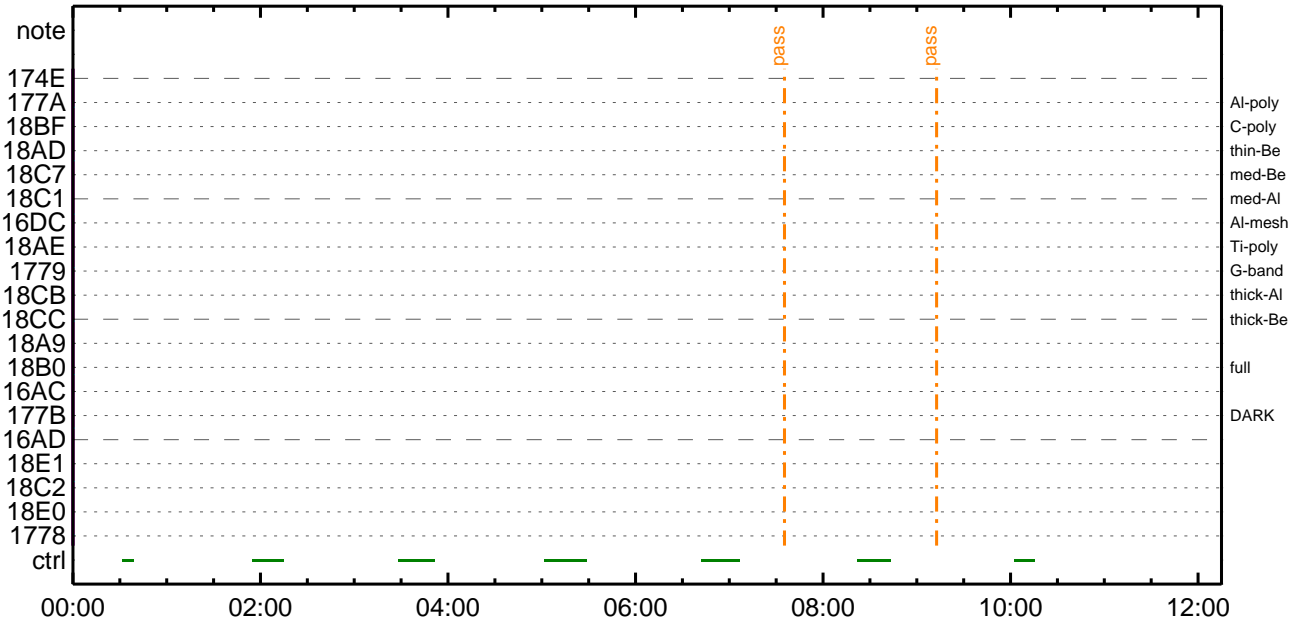
CMDI #0537 2012/03/27



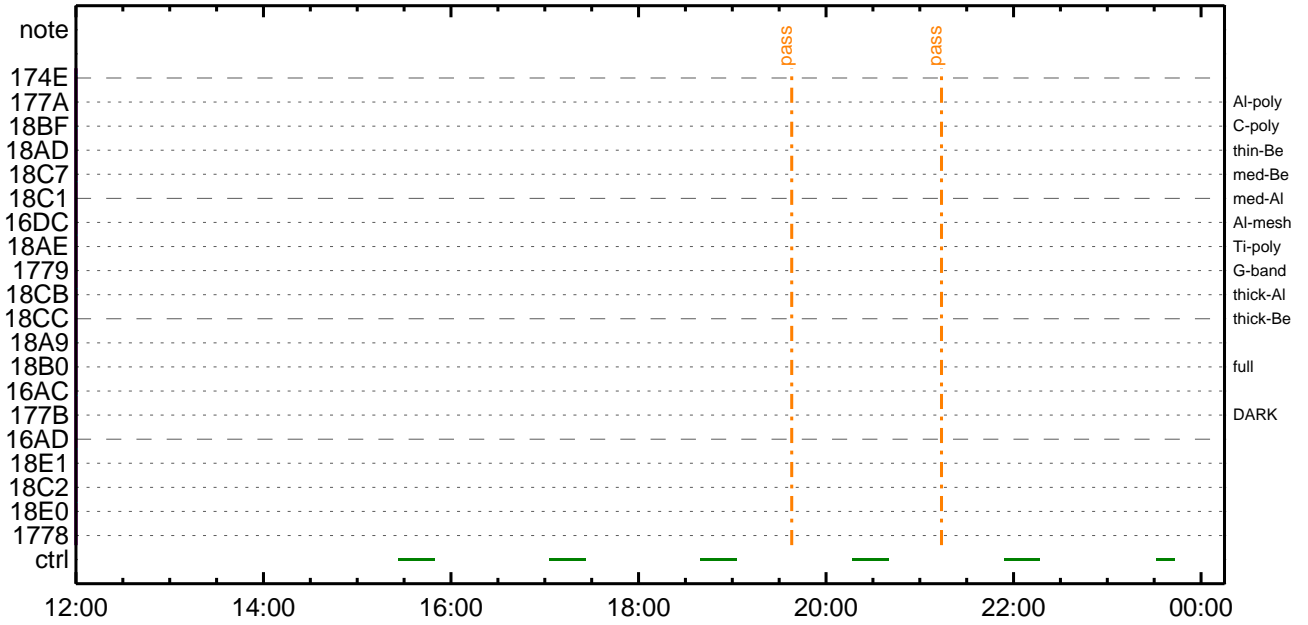
CMDI #0537 2012/03/27



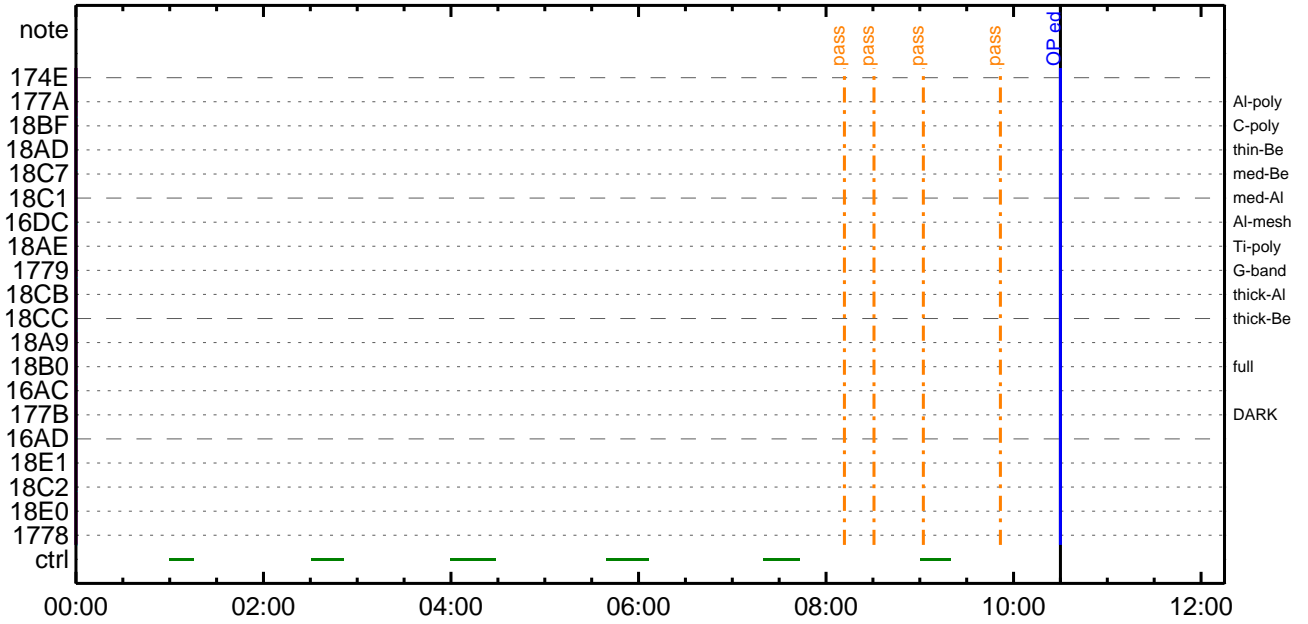
CMDI #0537 2012/03/28



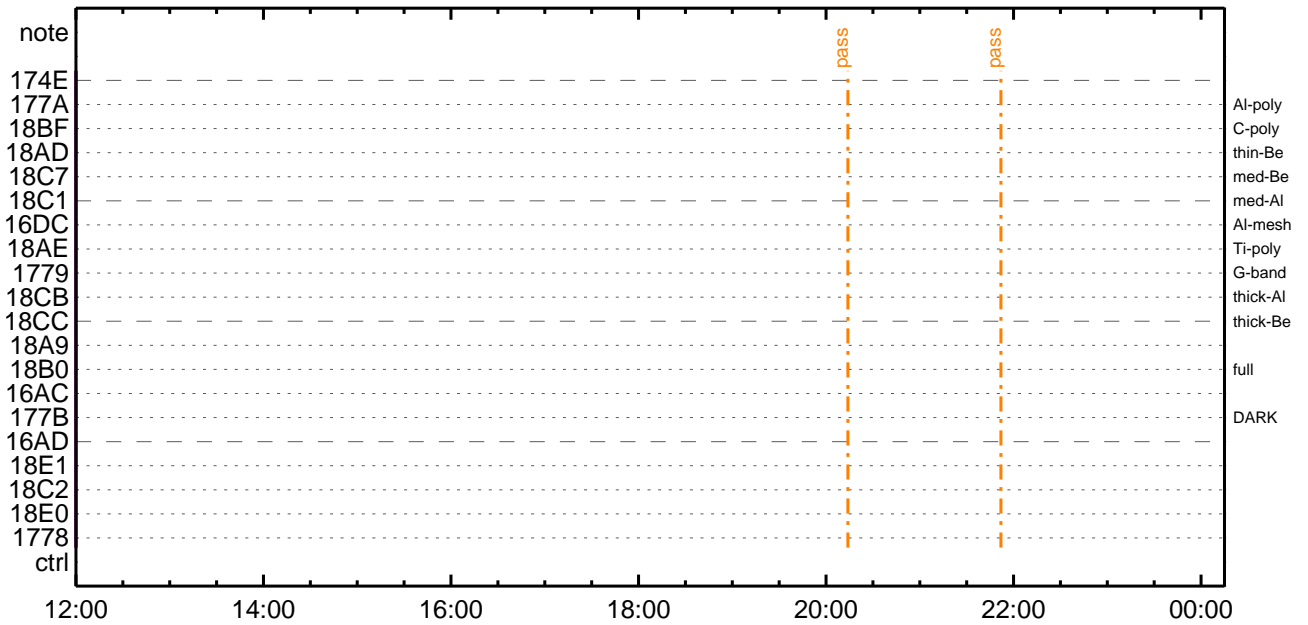
CMDI #0537 2012/03/28



CMDI #0537 2012/03/29



CMDI #0537 2012/03/29




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0096 C.      0300; SET EDUMP I±°iYNY¹aÇ¹Ôa|³³E;E
0097 C.
0098 . C.   TIY³YBYÖYÉððÄDİ¿(UT)
0099 +. TI  2012-03-24 10:02:00.0
0100 DC  01-B3 DHU_OP_STOP
0101 C.      çç[HK1_TI_CMD_NUM]             EQ      1COUNTUP
0102 C.
0103 +. TI  2012-03-24 10:02:01.0
0104 DC  01-B4 DHU_OP_COPY
0105 C.      çç[HK1_TI_CMD_NUM]             EQ      1COUNTUP
0106 C.
0107 +. TI  2012-03-24 10:02:01.0
0108 DC  01-B5 DHU_OPOG_COPY
0109 C.      çç[HK1_TI_CMD_NUM]             EQ      1COUNTUP
0110 C.
0111 +. TI  2012-03-24 10:06:59.5
0112 DC  01-B2 DHU_OP_START
0113 C.      çç[HK1_TI_CMD_NUM]             EQ      1COUNTUP
0114 C.
0115 C.   °E²¼aİÄè%îİÑaİYÁY§YÁY¹àİÜ
0116 C.      çç[HK1_TI_CMD_ENA/DIS]          EQ      ENA
0117 C.      çç[HK1_TI_CMD_NUM]             EQ      4
0118 C.      çç[HK1_NEXT_EXEC_PIM]          EQ      DHU
0119 C.      çç[HK1_NEXT_EXEC_DC]           EQ      0xB3
0120 C.
0121 . C.   *****
0122 C.   TIİİ°èYÁYÖY×
0123 C.   *****
0124 C.
0125 C.   TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC  01-23 DHU_DMA_DMP_PRM_SET
0127 BC      (03 ab 03 01 02)
0128 C.      çç[HK1_DMP_TOP_ADRS_1]          EQ      07
0129 C.      çç[HK1_DMP_TOP_ADRS_0]          EQ      2B
0130 C.      çç[HK1_DMP_BLOCK_NUM]           EQ      3
0131 C.      çç[HK1_DMP_REPEAT_NUM]          EQ      0
0132 C.      çç[HK1_DMA_DMP_PIM]            EQ      DHU
0133 +. DC  01-22 DHU_MODE_CHNG
0134 BC      (07 0b f8)
0135 C.      çç[HK1_PKT_FORM_NO]             EQ      7
0136 C.      çç[HK1_PKT_GEN_TIME]            EQ      0.25 s
0137 C.      çç[HK1_S_TLM_BIT_RATE]          EQ      32k
0138 C.      çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0139 C.      çç[HK1_DMP_CHK_FLG]            EQ      EXEC
0140 C.
0141 . C.   YÁYÖY×¼ªİ»ðð³İÇ§
0142 C.      çç[HK1_DMP_CHK_FLG]            EQ      NON
0143 C.
0144 . C.   RAM ID=TI_TBLaİÈ¹Ç•è²İOKðð³İÇ§
0145 C.
0146 . C.   DHUYâ;¼YÉ;È¼Y¼,Yî;¼YÈ;Èððİáa¹
0147 +. DC  01-22 DHU_MODE_CHNG
0148 BC      (02 0a f8)
0149 C.      çç[HK1_PKT_FORM_NO]             EQ      2
0150 C.      çç[HK1_PKT_GEN_TIME]            EQ      0.5S
0151 C.      çç[HK1_S_TLM_BIT_RATE]          EQ      32K
0152 C.      çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0153 C.
0154 C.   *****
0155 C.   SOT TI command set
0156 C.   *****
0157 C.   Execute, after the success of OP upload.
0158 +. TI  2012-03-24 10:06:16.0
0159 DC  07-F0 MDP_SOT_MODE_STBY
0160 BC      (41)
0161 . C.   -----
0162 C.     HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0163 C.   -----
0164 C.   ***** SOT END *****
0165 . C.   Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C.   ***** Start EIS operation (TI set) *****
0169 C.   Execute, after the success of OP upload.
0170 C.   Set EIS TI-commands
0171 +. TI  2012-03-24 10:06:30.0
0172 DC  07-FC EIS_MODE_MANU
0173 BC      (21 02)
0174 +. TI  2012-03-24 10:06:40.0
0175 DC  07-FC EIS_MODE_CHG_DIS
0176 BC      (22)
0177 . C.   [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0178 C.   ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C.   ***** XRT START *****
0183 C.   Execute, after the success of OP upload.
0184 +. TI  2012-03-24 10:06:00.0
0185 DC  07-F0 MDP_XRT_MODE_STBY
0186 BC      (c3)
0187 . C.   [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0188 C.
0189 C.   ***** XRT END *****
0190 C.
0191 . C.   ***** MDP `uÄİaİ»ö¼YðÈÄð¹aèDCBC•×²è *****
0192 C.   (¼a°İYÖYÁYÉYBPEYÁYÇYèaÈ¼¼a¼A»Üa¹aè)
0193 . S. DC-BC dcbc-402:DCBC

```

```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Û;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-767 2012-03-24 13:51:42 166 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ã
0005 C.
0006 C. YÀY$;¼Y³YBYÓYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ÁÍ;Ëð¿ðÄð•µ°È»Í×ÁÇðÍYÇYÁY×YÍ;¼YÉ;ËÈÈ½µ•ÍÉ;ËðÈ¼°ÇÓð•µ¿¼Í¹Çð; çÄ®, ùð¹ðÈððÇÄ+¿®ð•ðÈððð³ðÈ; f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿µ;ON
0016 C. *****
0017 C. ° Ä, Í×ÈYðÄLOSððÇðÍ»p´Öðð¹ÍÍ, µ, ; çÉÔÍ×ðÈXÄÓONðÍ¹ÖðÈð¹ðÈððð³ðÈ; f
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/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDYÓYÉYÍYÁY-¾ÖÄÖð-°ÄÄêð•µ¿; ç°È²¼ðÍ°Ä, ¼ê¿Çðð¼Ä¹Öð¹ðÈ; f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼í°Ä,
0033 C. *****
0034 C. ° RESTART; ÈPT1; Èð•µ¿ð¼Í¹Çð; ç°È²¼ðÍ°Ä¹Öð»° ; çDCBC-150ð¿¿Èðà; f
0035 C.
0036 . C. ;ãPT1°Ä, ³«»Í;ã
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, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYÓYÉYÉÄÜÄ; ÈÄ•Ä°²óÈð; È, áðÍ°Ä, °Ä³«;ã
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, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°Ä, µ-¼«Ä»ßð•µ¿; á; ç°È²¼ð¼Ä¹Öð¹ðÈ; f
0055 C. YÇYÓYÉYÉÄÜÄ; ÈÄ•Ä°²óÈðð-¼áð¼Í¹Çð; °Í°Í»ð¹ðÈððÇÄÖðÄ; f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼í°Ä,
0059 C. *****
0060 C. ° RESTART; ÈPT2; Èð•µ¿ð¼Í¹Çð; ç°È²¼ðÍ°Ä¹Öð»° ; çDCBC-151ð¿¿Èðà; f
0061 C.
0062 . C. ;ãPT2°Ä, ³«»Í;ã
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, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYÓYÉYÉÄÜÄ; ÈÄ•Ä°²óÈð; È, áðÍ°Ä, °Ä³«;ã
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, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°Ä, Ä»ß; çXÁ+¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°Ä, Ä»ß;ã
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. ;ãXÁ+¿µ;OFF;ã
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
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-768 2012-03-24 13:51:42 153 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿òÀò•µ°È»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•íÉ;ÈòÈ¼°ÇÒò•ò¿¼l¹çòÍ;çÀ®, ùò¹òÈòòòÇÁ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop FG table >
0018 +. DC 07-F0 MDP_FG_CTRL_MANU
0019 BC (51)
0020 . C. -----
0021 C. MDP_FG_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload FG Observation Table>
0025 . S. RAM ram-268:MDP_OBS_F
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_F >
0029 +. DC 07-F0 MDP_DUMP_FGTBL
0030 BC (82 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_F verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 . C. < Stop SP table >
0036 +. DC 07-F0 MDP_SP_CTRL_MANU
0037 BC (61)
0038 C. -----
0039 C. MDP_SP_CTRL_MODE = MANU [ ]
0040 C. -----
0041 C.
0042 . C. <Upload SP Observation Table>
0043 . S. RAM ram-283:MDP_OBS_S
0044 ( )
0045 C.
0046 . C. < Dump RAMID=MDP_OBS_S >
0047 +. DC 07-F0 MDP_DUMP_SPTBL
0048 BC (83 07 00 00 00 38 b8)
0049 C. -----
0050 C. MDP_OBS_S verify = OK/NG [ ]
0051 C. -----
0052 C.
0053 C. *****
0054 C. SOT TI command set
0055 C. *****
0056 C. Execute, after the success of TBL upload.
0057 +. TI 2012-03-24 10:06:18.0
0058 DC 07-F0 MDP_SOT_MODE_OBSV
0059 BC (40)
0060 . C. -----
0061 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0062 C. -----
0063 C.
0064 C.
0065 C. ***** XRT START *****
0066 C.
0067 +. DC 07-F0 MDP_XRT_CTRL_MANU
0068 BC (c1)
0069 + DC 07-F0 MDP_XRT_MODE_STBY
0070 BC (c3)
0071 . C. ----- Success Verify ? OK / NG_____
0072 C.
0073 C. XRT Obs. Table Upload
0074 . S. RAM ram-291:MDP_OBS_X
0075 ( )
0076 C.
0077 +. DC 07-F0 MDP_DUMP_XRTTBL
0078 BC (84 07 00 00 00 3a d4)
0079 . C. ----- Comparison Check ? OK / ERR _____
0080 C.
0081 C.
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 01 b1 b1 04 04)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 02 b1 b1 08 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 03 b1 b1 08 08)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 04 b1 b1 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 05 85 83 06 06)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 06 85 83 06 06)
0094 + DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 07 85 83 08 08)
```

```
0096 + DC 07-F0 MDP_XRT_ROI_SET
0097 BC (cd 08 80 80 20 20)
0098 + DC 07-F0 MDP_XRT_ROI_SET
0099 BC (cd 09 80 80 20 08)
0100 + DC 07-F0 MDP_XRT_ROI_SET
0101 BC (cd 0a 80 80 08 20)
0102 + DC 07-F0 MDP_XRT_ROI_SET
0103 BC (cd 0f 80 80 06 06)
0104 + DC 07-F0 MDP_XRT_ROI_SET
0105 BC (cd 10 80 80 08 08)
0106 + DC 07-F0 MDP_XRT_FLD_ENA
0107 BC (d8)
0108 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0109 BC (c8)
0110 + DC 07-F0 MDP_XRT_AEC_RESET
0111 BC (d0)
0112 + DC 07-F0 MDP_XRT_ARS_DIS
0113 BC (d5)
0114 + DC 07-F0 MDP_XRT_FLD_RESET
0115 BC (da)
0116 + DC 07-F0 MDP_XRT_QT_PROG_SET
0117 BC (c4 0d)
0118 + DC 07-F0 MDP_XRT_FL_PROG_SET
0119 BC (c5 03)
0120 . C. ----- Success Verify ? OK / NG ____
0121 C.
0122 C.
0123 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0124 C.
0125 + DC 07-F0 MDP_XRT_MODE_OBSV
0126 BC (c2)
0127 + TI 2012-03-24 10:06:02.0
0128 DC 07-F0 MDP_XRT_MODE_OBSV
0129 BC (c2)
0130 + DC 07-F0 MDP_XRT_CTRL_AUTO
0131 BC (c0)
0132 + TI 2012-03-24 10:06:04.0
0133 DC 07-F0 MDP_XRT_CTRL_AUTO
0134 BC (c0)
0135 . C. ----- Success Verify ? OK / NG ____
0136 C.
0137 C. ***** XRT END *****
0138 C.
0139 . C. ***** MDP `ûÃîñî»ò%ÿñÊÃð¹ñèDCBC•x²è *****
0140 C. (%ã°îÿÓÿÃÿÈÿPÿËÿâÿçÿèñÊ%¼ã¼Ã»Ûñ¹ñè)
0141 . S. DC-BC dcbc-402:DCBC
0142 (MDP_known_event)
0143 C.
0144 C.
0145 . C. ***** ÿDÿ¹.Ï Daily±;îÑñÊ´Øñ¹ñèDCBC•x²è *****
0146 . S. DC-BC dcbc-153:DCBC
0147 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0148 C.
0149 C.
0150 . C. ;ãLOSÿÃÿSÿËÿ~¼Ã»Û;ã
0151 C.
0152 . C. ***** LOS *****
0153 C.
```

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 1/8

*** OP Sequence for XRT ***

| | | | | | | | | | |
|------------|------------|--------------------------------------|---|-------|----------------|--|--|--|--|
| 2012/03/24 | 10:16:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 10:17:00.0 | AOCS_ORe-point_Start_1_OG [0x097] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 ad cb 01 3f | | | | |
| 2012/03/24 | 10:19:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2012/03/24 | 10:19:46.0 | XRT_FLD_ENA_435_OG [0x1b3] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2012/03/24 | 10:19:48.0 | XRT_FLRCTRL_ENA_449_OG [0x1c1] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2012/03/24 | 10:19:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2012/03/24 | 10:19:52.0 | XRT_ARS_DIS_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2012/03/24 | 10:19:54.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/24 | 10:19:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 | | | | |
| 2012/03/24 | 10:19:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 | | | | |
| 2012/03/24 | 10:20:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/24 | 14:37:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 14:37:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/24 | 14:37:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/24 | 14:40:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/24 | 14:48:00.0 | XRT_Custom_418_OG [0x1a2] | | | | | | | |
| 2012/03/24 | 14:49:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/24 | 16:11:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 16:11:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/24 | 16:11:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/24 | 16:14:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/24 | 16:35:30.0 | XRT_Custom_418_OG [0x1a2] | | | | | | | |
| 2012/03/24 | 16:36:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/24 | 17:48:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 17:48:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/24 | 17:48:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/24 | 17:51:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/24 | 18:11:54.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 18:11:56.0 | XRT_FOCUS_RECALIBRATE_428_OG [0x1ac] | | | | | | | |
| | | XRT_FOCUS_RECAL | 2 | 07-F8 | 78 00 | | | | |
| 2012/03/24 | 18:12:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2012/03/24 | 18:15:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2012/03/24 | 18:16:16.0 | XRT_FLD_DIS_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2012/03/24 | 18:16:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2012/03/24 | 18:16:20.0 | XRT_ARS_DIS_438_OG [0x1b6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2012/03/24 | 18:18:58.0 | XRT_QT_PROG_SET_410_OG [0x19a] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 12 | | | | |
| 2012/03/24 | 18:19:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/24 | 19:25:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 19:25:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/24 | 19:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/24 | 19:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/24 | 19:30:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2012/03/24 | 19:49:00.0 | XRT_CTRL_MANU_429_OG [0x1ad] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/24 | 19:49:02.0 | XRT_FOCUS_POSITION_409_OG [0x199] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2012/03/24 | 19:49:22.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2012/03/24 | 19:49:24.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2012/03/24 | 19:49:26.0 | XRT_AEC_RESET_443_OG [0x1bb] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2012/03/24 | 19:49:28.0 | XRT_ARS_DIS_431_OG [0x1af] | | | | | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 2/8

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2012/03/24 | 19:49:30.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/24 | 19:49:32.0 | XRT_QT_PROG_SET_405_OG [0x195] | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d |
| 2012/03/24 | 19:49:34.0 | XRT_FL_PROG_SET_414_OG [0x19e] | | | | |
| | | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/24 | 19:49:36.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/24 | 21:03:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/24 | 21:03:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/24 | 21:03:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/24 | 21:06:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/24 | 21:26:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/24 | 21:27:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/24 | 22:40:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/24 | 22:40:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/24 | 22:40:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/24 | 22:43:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/24 | 23:01:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/24 | 23:02:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 00:18:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 00:18:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 00:18:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 00:21:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 00:25:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/25 | 00:26:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 01:41:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 01:41:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 01:41:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 01:44:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 02:00:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/25 | 02:01:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 03:17:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 03:17:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 03:17:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 03:20:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 03:37:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/25 | 03:38:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 04:47:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 04:47:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 04:47:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | |
| | | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 04:50:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | |
| | | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 05:15:00.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/25 | 05:16:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 05:59:24.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 05:59:26.0 | XRT_FOCUS_POSITION_401_OG [0x191] | | | | |
| | | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2012/03/25 | 05:59:30.5 | AOCS_OrE-point_Start_2_OG [0x098] | | | | |
| | | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2012/03/25 | 05:59:46.0 | XRT_FLD_DIS_402_OG [0x192] | | | | |
| | | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2012/03/25 | 05:59:48.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | | | | |
| | | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2012/03/25 | 05:59:50.0 | XRT_ARS_DIS_438_OG [0x1b6] | | | | |
| | | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 06:02:28.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | | |
| | | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 |
| 2012/03/25 | 06:02:30.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | | |
| | | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 06:09:24.0 | XRT_CTRL_MANU_439_OG [0x1b7] | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 3/8

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|------------|------------|---|---|-------|----------------|
| 2012/03/25 | 06:09:30.0 | AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2012/03/25 | 06:11:56.0 | XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2012/03/25 | 06:12:16.0 | XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2012/03/25 | 06:12:18.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2012/03/25 | 06:12:20.5 | XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2012/03/25 | 06:12:22.5 | XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 06:12:24.5 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 06:12:26.5 | XRT_QT_PROG_SET_405_OG [0x195] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d |
| 2012/03/25 | 06:12:28.5 | XRT_FL_PROG_SET_414_OG [0x19e] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/25 | 06:12:30.5 | XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 06:27:30.0 | XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 06:27:32.0 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 06:27:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 06:30:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 06:52:30.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 06:53:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 08:07:30.0 | XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 08:07:32.0 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 08:07:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 08:10:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 08:29:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 08:30:00.0 | AOCS_ORe-point_Start_4_OG [0x09a] AOCU_NM | 5 | 02-76 | 00 54 e5 01 3f |
| 2012/03/25 | 08:32:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2012/03/25 | 08:32:46.0 | XRT_FLD_ENA_435_OG [0x1b3] MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2012/03/25 | 08:32:48.0 | XRT_FLRCTRL_ENA_449_OG [0x1c1] MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2012/03/25 | 08:32:50.0 | XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2012/03/25 | 08:32:52.0 | XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 08:32:54.0 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 08:32:56.0 | XRT_QT_PROG_SET_445_OG [0x1bd] MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 14 |
| 2012/03/25 | 08:32:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/25 | 08:33:00.0 | XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 09:48:00.5 | XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 09:48:02.5 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 09:48:04.5 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 09:51:14.5 | XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 10:03:30.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 10:04:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 15:12:30.0 | XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 15:12:32.0 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 15:12:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 15:15:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 15:26:00.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 15:27:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 15:31:30.0 | XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 15:31:32.0 | XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 15:31:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 15:34:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 15:35:30.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 15:36:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 4/8

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|------------|------------|-----------------------------------|---------------------------|---|-------|----------------|
| 2012/03/25 | 15:59:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 16:00:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 16:02:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2012/03/25 | 16:02:46.0 | XRT_FLD_ENA_411_OG [0x19b] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2012/03/25 | 16:02:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2012/03/25 | 16:02:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2012/03/25 | 16:02:52.0 | XRT_ARS_DIS_431_OG [0x1af] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2012/03/25 | 16:02:54.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 16:02:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 16:02:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d |
| 2012/03/25 | 16:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/25 | 16:48:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 16:48:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 16:48:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 16:51:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 17:12:30.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 17:13:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 17:59:54.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 17:59:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 18:00:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2012/03/25 | 18:00:16.0 | XRT_FLD_DIS_402_OG [0x192] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2012/03/25 | 18:00:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2012/03/25 | 18:00:20.0 | XRT_ARS_DIS_438_OG [0x1b6] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2012/03/25 | 18:02:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 18:03:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 |
| 2012/03/25 | 18:09:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 18:10:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 18:12:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 |
| 2012/03/25 | 18:12:46.0 | XRT_FLD_ENA_411_OG [0x19b] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2012/03/25 | 18:12:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 |
| 2012/03/25 | 18:12:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 |
| 2012/03/25 | 18:12:52.0 | XRT_ARS_DIS_431_OG [0x1af] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2012/03/25 | 18:12:54.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/25 | 18:12:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 18:12:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d |
| 2012/03/25 | 18:13:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/25 | 18:25:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 18:25:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 18:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 18:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 18:49:00.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 18:50:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/25 | 20:02:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/25 | 20:02:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/25 | 20:02:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/25 | 20:05:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/25 | 20:26:30.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/25 | 20:27:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | XRT_Custom_418_OG [0x1a2] | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 5/8

| | | | | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|--|--|
| 2012/03/25 | 21:40:00.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/25 | 21:40:02.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/25 | 21:40:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/25 | 21:43:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/25 | 22:03:00.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/25 | 22:04:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/25 | 23:17:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/25 | 23:17:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/25 | 23:17:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/25 | 23:20:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/25 | 23:32:30.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/25 | 23:33:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 00:48:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 00:48:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 00:48:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 00:48:34.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 00:51:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 01:01:00.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 01:02:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 02:17:00.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 02:17:02.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 02:17:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 02:17:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 02:20:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 02:37:30.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 02:38:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 03:45:00.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 03:45:02.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 03:45:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 03:48:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 04:15:00.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 04:16:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 05:25:30.0 | XRT_CTRL_MANU_408_OG [0x198] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 05:25:32.0 | XRT_FLD_RESET_412_OG [0x19c] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 05:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 05:25:34.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 05:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/26 | 05:52:30.0 | XRT_Custom_418_OG [0x1a2] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/26 | 05:53:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/26 | 06:01:54.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 06:01:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 06:02:00.0 | AOCS_ORe-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2012/03/26 | 06:02:16.0 | XRT_FLD_DIS_402_OG [0x192] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2012/03/26 | 06:02:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2012/03/26 | 06:02:20.0 | XRT_ARS_DIS_438_OG [0x1b6] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2012/03/26 | 06:04:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2012/03/26 | 06:05:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 | | | | |
| 2012/03/26 | 06:11:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/26 | 06:12:00.0 | AOCS_ORe-point_Start_3_OG [0x099] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/26 | 06:14:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2012/03/26 | 06:14:46.0 | XRT_FLD_ENA_411_OG [0x19b] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2012/03/26 | 06:14:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| | | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 6/8

| | | | | | |
|------------|------------|-----------------------------------|---|-------|----------------|
| 2012/03/26 | 06:14:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 |
| 2012/03/26 | 06:14:52.0 | XRT_ARS_DIS_431_OG [0x1af] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/26 | 06:14:54.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 06:14:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d |
| 2012/03/26 | 06:14:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 |
| 2012/03/26 | 06:15:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 07:06:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 07:06:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 07:06:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 07:09:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 07:29:30.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 07:30:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 08:45:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 08:45:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 08:45:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 08:48:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 09:06:00.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 09:07:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 10:27:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 10:27:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 10:27:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 10:30:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 10:35:00.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 10:36:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 14:15:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 14:15:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 14:15:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 14:18:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 14:23:00.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 14:24:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 15:49:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 15:49:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 15:49:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 15:52:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 16:12:30.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 16:13:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 17:25:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 17:25:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da |
| 2012/03/26 | 17:25:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 |
| 2012/03/26 | 17:28:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 |
| 2012/03/26 | 17:49:00.0 | XRT_Custom_418_OG [0x1a2] | | | |
| 2012/03/26 | 17:50:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| 2012/03/26 | 18:04:54.0 | XRT_CTRL_MANU_400_OG [0x190] | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 18:04:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 |
| 2012/03/26 | 18:05:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 |
| 2012/03/26 | 18:05:16.0 | XRT_FLD_DIS_402_OG [0x192] | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 |
| 2012/03/26 | 18:05:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 |
| 2012/03/26 | 18:05:20.0 | XRT_ARS_DIS_438_OG [0x1b6] | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 |
| 2012/03/26 | 18:07:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 |
| 2012/03/26 | 18:08:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 7/8

| | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|
| 2012/03/26 | 18:14:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 |
| 2012/03/26 | 18:15:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | | 5 | 02-76 | 01 00 00 00 00 |
| | | | AOCU_NM | | | |
| 2012/03/26 | 18:17:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 |
| 2012/03/26 | 18:17:46.0 | XRT_FLD_ENA_411_OG [0x19b] | | 1 | 07-F0 | d8 |
| | | | MDP_XRT_FLD_ENA | | | |
| 2012/03/26 | 18:17:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | | 1 | 07-F0 | c8 |
| | | | MDP_XRT_FLRCTRL_ENA | | | |
| 2012/03/26 | 18:17:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | | 1 | 07-F0 | d0 |
| | | | MDP_XRT_AEC_RESET | | | |
| 2012/03/26 | 18:17:52.0 | XRT_ARS_DIS_431_OG [0x1af] | | 1 | 07-F0 | d5 |
| | | | MDP_XRT_ARS_DIS | | | |
| 2012/03/26 | 18:17:54.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/26 | 18:17:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | | 2 | 07-F0 | c4 0d |
| | | | MDP_XRT_QT_PROG_SET | | | |
| 2012/03/26 | 18:17:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | | 2 | 07-F0 | c5 03 |
| | | | MDP_XRT_FL_PROG_SET | | | |
| 2012/03/26 | 18:18:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/26 | 19:02:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/26 | 19:02:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/26 | 19:02:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/26 | 19:05:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/26 | 19:26:00.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/26 | 19:27:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/26 | 20:40:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/26 | 20:40:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/26 | 20:40:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/26 | 20:43:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/26 | 21:03:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/26 | 21:04:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/26 | 22:17:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/26 | 22:17:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/26 | 22:17:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/26 | 22:20:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/26 | 22:39:00.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/26 | 22:40:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/26 | 23:54:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/26 | 23:54:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/26 | 23:54:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/26 | 23:57:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/27 | 00:04:00.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/27 | 00:05:00.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/27 | 01:20:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/27 | 01:20:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/27 | 01:20:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/27 | 01:23:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/27 | 01:37:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/27 | 01:38:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/27 | 02:53:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/27 | 02:53:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |
| 2012/03/27 | 02:53:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | 1 | 07-F0 | e8 |
| | | | MDP_XRT_PREFLR_STRT | | | |
| 2012/03/27 | 02:56:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | 1 | 07-F0 | e9 |
| | | | MDP_XRT_PREFLR_STOP | | | |
| 2012/03/27 | 03:14:30.0 | XRT_Custom_418_OG [0x1a2] | | | | |
| 2012/03/27 | 03:15:30.5 | XRT_CTRL_AUTO_419_OG [0x1a3] | | 1 | 07-F0 | c0 |
| | | | MDP_XRT_CTRL_AUTO | | | |
| 2012/03/27 | 04:23:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | 1 | 07-F0 | c1 |
| | | | MDP_XRT_CTRL_MANU | | | |
| 2012/03/27 | 04:23:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | 1 | 07-F0 | da |
| | | | MDP_XRT_FLD_RESET | | | |

Mar 24, 12 13:51

XRT_OGLIST_0537.chk

Page 8/8

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| 2012/03/27 | 04:23:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/27 | 04:26:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/27 | 04:52:00.5 | XRT_Custom_418_OG [0x1a2] | | | | | | | |
| 2012/03/27 | 04:53:00.5 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/27 | 05:35:54.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/27 | 05:35:56.0 | XRT_FOCUS_POSITION_401_OG [0x191] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | | | |
| 2012/03/27 | 05:36:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |
| 2012/03/27 | 05:36:16.0 | XRT_FLD_DIS_402_OG [0x192] | | | | | | | |
| | | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2012/03/27 | 05:36:18.0 | XRT_FLRCTRL_DIS_433_OG [0x1b1] | | | | | | | |
| | | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2012/03/27 | 05:36:20.0 | XRT_ARS_DIS_438_OG [0x1b6] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2012/03/27 | 05:38:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 11 | | | | |
| 2012/03/27 | 05:39:00.5 | XRT_CTRL_AUTO_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/27 | 05:45:54.0 | XRT_CTRL_MANU_439_OG [0x1b7] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/27 | 05:46:00.0 | AOCS_Ore-point_Start_3_OG [0x099] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 01 00 00 00 00 | | | | |
| 2012/03/27 | 05:48:26.0 | XRT_FOCUS_POSITION_409_OG [0x199] | | | | | | | |
| | | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 fe 97 00 | | | | |
| 2012/03/27 | 05:48:46.0 | XRT_FLD_ENA_411_OG [0x19b] | | | | | | | |
| | | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | | | |
| 2012/03/27 | 05:48:48.0 | XRT_FLRCTRL_ENA_413_OG [0x19d] | | | | | | | |
| | | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | | | |
| 2012/03/27 | 05:48:50.0 | XRT_AEC_RESET_443_OG [0x1bb] | | | | | | | |
| | | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2012/03/27 | 05:48:52.0 | XRT_ARS_DIS_431_OG [0x1af] | | | | | | | |
| | | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2012/03/27 | 05:48:54.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/27 | 05:48:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | | | | | | | |
| | | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 0d | | | | |
| 2012/03/27 | 05:48:58.0 | XRT_FL_PROG_SET_414_OG [0x19e] | | | | | | | |
| | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 03 | | | | |
| 2012/03/27 | 05:49:00.0 | XRT_CTRL_AUTO_406_OG [0x196] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/27 | 06:03:30.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/27 | 06:03:32.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/27 | 06:03:34.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/27 | 06:06:44.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/27 | 06:29:30.0 | XRT_Custom_418_OG [0x1a2] | | | | | | | |
| 2012/03/27 | 06:30:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/27 | 07:44:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/27 | 07:44:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/27 | 07:44:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/27 | 07:47:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/27 | 08:06:30.0 | XRT_Custom_418_OG [0x1a2] | | | | | | | |
| 2012/03/27 | 08:07:30.0 | XRT_CTRL_AUTO_419_OG [0x1a3] | | | | | | | |
| | | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2012/03/27 | 09:24:00.0 | XRT_CTRL_MANU_408_OG [0x198] | | | | | | | |
| | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2012/03/27 | 09:24:02.0 | XRT_FLD_RESET_412_OG [0x19c] | | | | | | | |
| | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2012/03/27 | 09:24:04.0 | XRT_PREFLR_STRT_422_OG [0x1a6] | | | | | | | |
| | | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2012/03/27 | 09:27:14.0 | XRT_PREFLR_STOP_424_OG [0x1a8] | | | | | | | |
| | | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2012/03/27 | 10:30:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | | | | | | | |
| | | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | | | |