

XRT Timeline to be uploaded on 2020/07/14

Period: 2020/07/14 10:53:00 - 2020/07/18 09:57:00

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Normal mode

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| XOB #1BC7: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh(2048ms), Al/Poly(4096ms) - w leak image-1ms | | | | | | | | | | | | |
|---|--|-------------------------|--|--|--|--|----------------------------|--|--|--|--|--|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/15 11:48:00 - 07/15 11:54:54 | | Fixed (-528.4, -528.4) | | | | | XRT post bakeout obs (1/4) | | | | | |
| PROG= 19 1-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 1ms Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Al-poly/Open Al-poly/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 34 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval | | | | | | | | | | | | |

| XOB #1BC8: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms | | | | | | | | | | | | |
|--|--|------------------------|--|--|--|--|---------|--|--|--|--|--|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/15 11:58:00 - 07/15 12:04:54 | | Fixed (528.4, -528.4) | | | | | 2/4 | | | | | |
| PROG= 03 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─ Seqn= 38 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (512, 1536) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (512, 1536) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Al-poly/Open Al-poly/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 34 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval | | | | | | | | | | | | |

| XOB #1BC9: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms | | | | | | | | | | | | |
|--|--|-----------------------|--|--|--|--|---------|--|--|--|--|--|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/15 12:08:00 - 07/15 12:14:54 | | Fixed (528.4, 528.4) | | | | | 3/4 | | | | | |
| PROG= 02 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─ Seqn= 21 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (512, 512) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/Al-mesh Open/Al-mesh close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Al-poly/Open Al-poly/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Subr= 3 2-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Seqn= 34 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─┬─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─ Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval | | | | | | | | | | | | |

| XOB #1BCA: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms | | | | | | | | | | | | |
|--|--|------------------------|--|--|--|--|---------|--|--|--|--|--|
| Term | | Pointing (x, y) | | | | | Comment | | | | | |
| 07/15 12:18:00 - 07/15 12:24:54 | | Fixed (-528.4, 528.4) | | | | | 4/4 | | | | | |
| PROG= 17 1-time(s) | | | | | | | | | | | | |
| └─ Subr= 1 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─ Seqn= 14 1-time(s) 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 1024x1024 (1536, 512) Q=90 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─┬─┬─ Open/thick-Be Open/thick-Be close Safe Dark 1ms Obs 1x1 1024x1024 (1536, 512) Q=98 0 0 2.0sec | | | | | | | | | | | | |
| └─ Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|----------------------------------|------------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 1.00s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 11.3s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| thin-Be/Open | thin-Be/Open | close | Safe | Norm | 22.6s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Seqn= 23 1-time(s) 4.0sec | | | | | | | | | | | | |
| Open/G-band | Open/G-band | open | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=90 | 0 | 0 | 2.0sec |
| Open/G-band | Open/G-band | close | Safe | Norm | 1ms | Obs | 1x1 | 2048x2048 (1024, 1024) | Q=95 | 0 | 0 | 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | | | | | | | | | | | |
| Seqn= 46 1-time(s) 2.0sec | | | | | | | | | | | | |
| Open/thick-Be | Open/thick-Be | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 17 1-time(s) 2.0sec | | | | | | | | | | | | |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 5.66s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| med-Al/Open | med-Al/Open | close | Safe | Norm | 64.0s | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Seqn= 86 1-time(s) 2.0sec | | | | | | | | | | | | |
| Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 500ms | Obs | 2x2 | 2048x2048 (1024, 1024) | Q=98 | 0 | 0 | 2.0sec |
| Al-poly/Ti-poly | Al-poly/thick-Al | close | Safe | Norm | 8.00s | 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 #1C44: HOP349 - 3-filter Synoptics (Al-mesh[128/1024/5795], Al-poly[256/4096/8192], thin-Be[2048/16384/32768] with 512x512 G-band+Leak(1064,1048)

| Term | Pointing (x, y) | Comment |
|------------------------------------|------------------------|--|
| 07/16 02:29:00 - 07/16 05:56:24 | Fixed (0.0, 0.0) | HOP349 and synoptic, shifted -3.5 min |
| PROG= 10 Inf.-time(s) | | |
| Subr= 1 1-time(s) 300.0sec | | |
| Seqn= 88 1-time(s) 2.0sec | | |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 177ms 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 |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Seqn= 50 1-time(s) 2.0sec | | |
| Al-poly/Open | Al-poly/Open close | Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Al-poly/Open | Al-poly/thick-Al close | Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Al-poly/Open | Al-poly/Open close | Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Seqn= 56 1-time(s) 2.0sec | | |
| thin-Be/Open | thin-Be/Open close | Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close | Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| thin-Be/Open | thin-Be/Open close | Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec |
| Seqn= 81 1-time(s) 2.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 1ms Obs 1x1 512x512 (1064, 1048) Q=90 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms Obs 1x1 512x512 (1064, 1048) Q=95 0 0 2.0sec |
| Subr= 2 15-time(s) 180.0sec | | |
| Seqn= 8 1-time(s) 2.0sec | | |
| thin-Be/Open | med-Be/Open close | Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec |
| thin-Be/Open | med-Be/Open close | Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec |
| Seqn= 6 1-time(s) 2.0sec | | |
| Al-poly/Open | Al-poly/Open close | Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec |
| Al-poly/Open | Al-poly/Open close | Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec |
| Seqn= 29 1-time(s) 2.0sec | | |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec |
| Open/Al-mesh | Open/Al-mesh close | Safe Norm 250ms Obs 4x4 2048x2048 (1024, 1024) Q=98 2 0 2.0sec |
| Default Filter | Thicker Filter | VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval |

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Flare mode

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XOB #1B8E: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512)

| Term | Pointing (x, y) | Comment |
|-----------------------------------|---|--|
| 07/15 12:38:00 - 07/15 17:47:00 | Track (-28.3, -461.2) @ 07/15 12:35:00 | BP/QS |
| 07/15 18:39:30 - 07/16 01:57:30 | Track (21.7, -461.5) @ 07/15 18:36:30 | Cont, |
| 07/16 02:29:00 - 07/16 05:56:24 | Fixed (0.0, 0.0) | HOP349 and synoptic, shifted -3.5 min |
| 07/16 06:09:30 - 07/16 09:46:00 | Track (116.6, -461.4) @ 07/16 06:06:30 | Cont, |
| PROG= 13 30-time(s) | | |
| Subr= 1 20-time(s) 2.0sec | | |
| Seqn= 11 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 |
| Seqn=100 1-time(s) 10.0sec | | |
| thin-Be/Open | med-Be/Open close | Safe Norm 125ms Obs 1x1 384x384 (1024, 1024) Q=95 2 0 2.0sec |
| med-Be/Open | Open/thick-Al close | Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec |
| Open/thick-Al | Open/thick-Be close | Safe Norm 1.00s Obs 1x1 384x384 (1024, 1024) Q=95 3 0 2.0sec |
| Subr= 2 1-time(s) 2.0sec | | |
| Seqn= 10 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= 11 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 |
| Seqn= 87 1-time(s) 2.0sec | | |
| Open/G-band | Open/G-band open | Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec |
| Open/G-band | Open/G-band close | Safe Norm 1ms 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

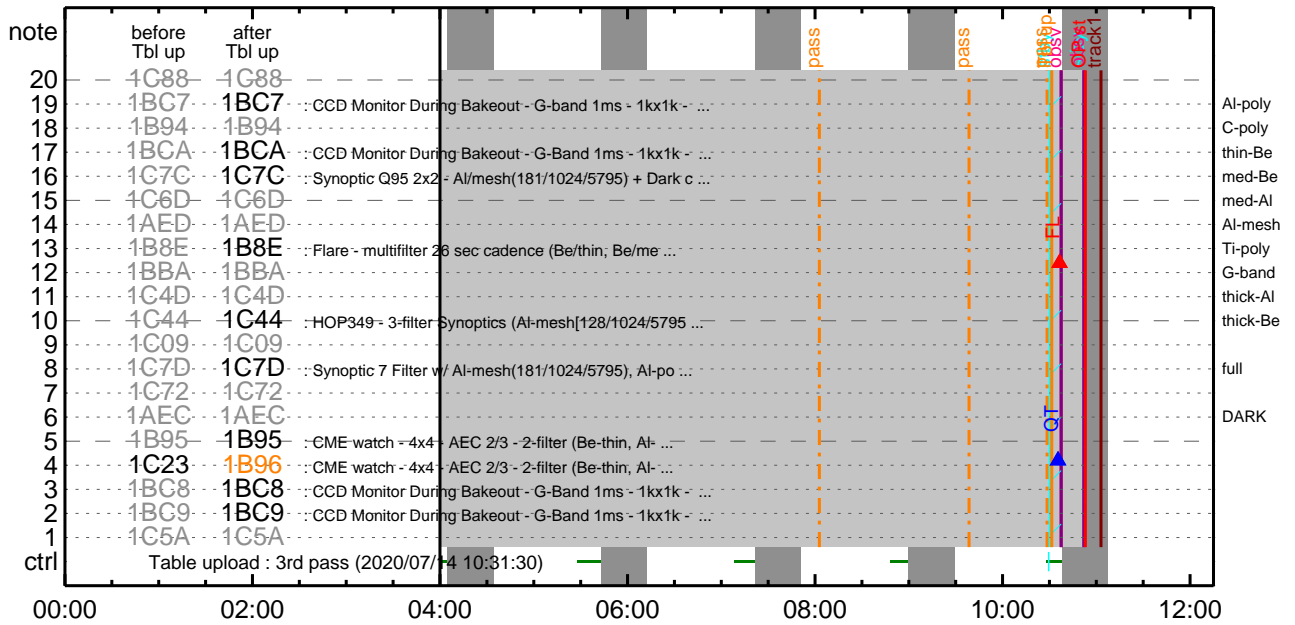
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Flare Detection

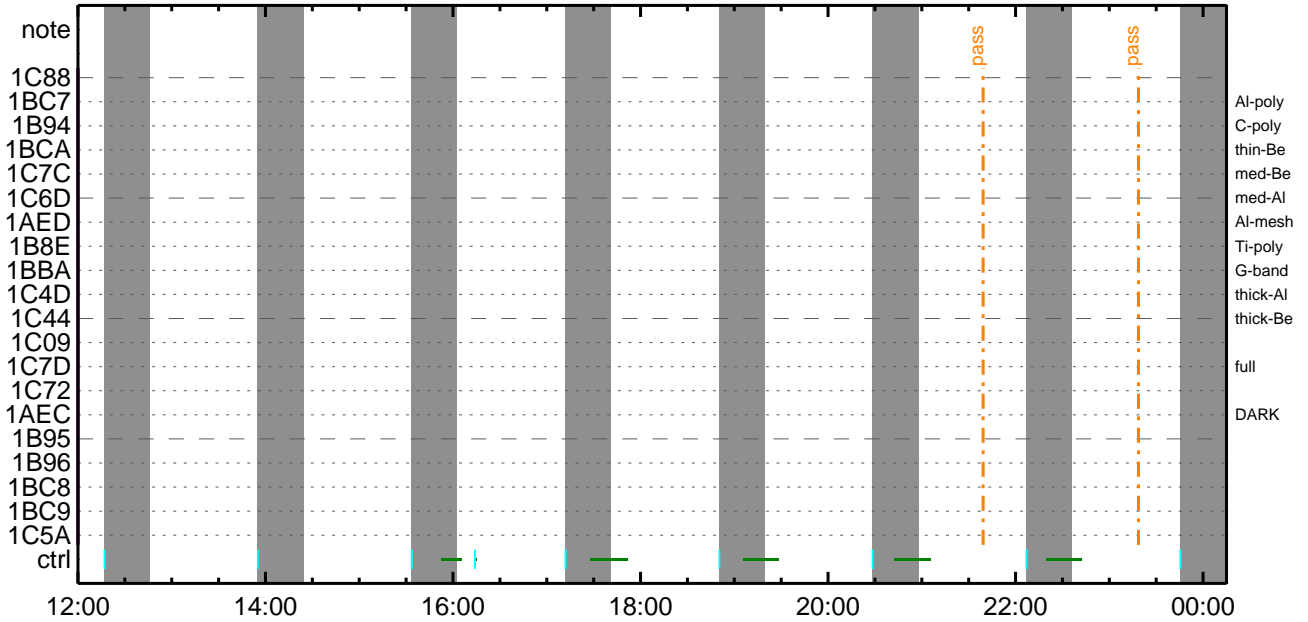
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| FLD Patrol | | | | | | | | | | | |
|---------------------------------|----------------|---|------|-------|------|-----|-----|--------------------|-------|------------|----------|
| Term | | Pointing (x, y) | | | | | | Comment | | | |
| 07/15 12:35:18 - 07/15 18:26:48 | | Track (-28.3, -461.2) @ 07/15 12:35:00 | | | | | | BP/QS | | | |
| 07/15 18:36:48 - 07/16 05:56:48 | | Track (21.7, -461.5) @ 07/15 18:36:30 | | | | | | Cont, | | | |
| 07/16 06:06:48 - 07/18 09:57:00 | | Track (116.6, -461.4) @ 07/16 06:06:30 | | | | | | Cont, | | | |
| Al-poly/Open | Al-poly/Open | 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 |

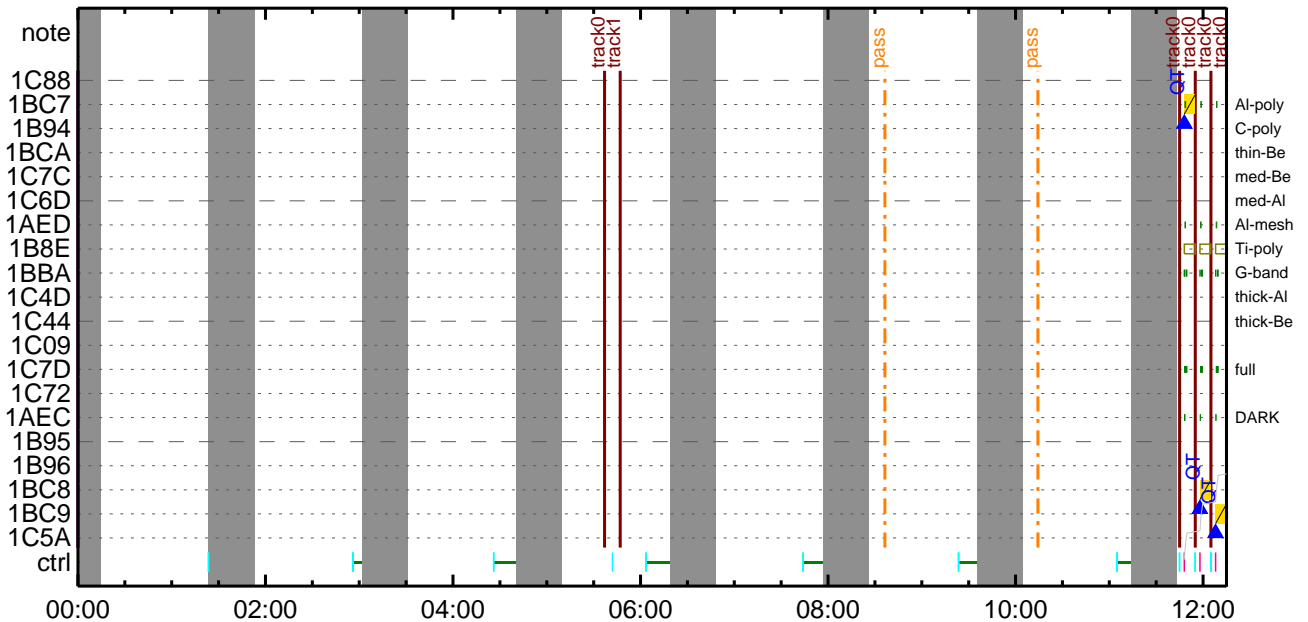
CMDI #0041 2020/07/14



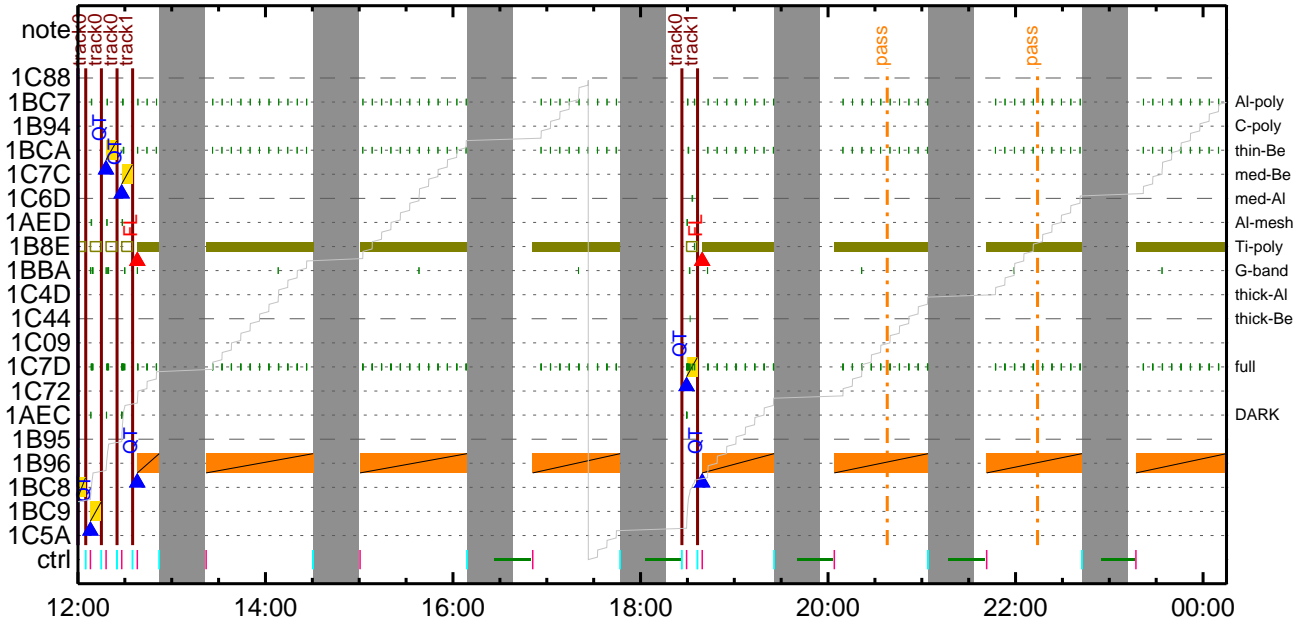
CMDI #0041 2020/07/14



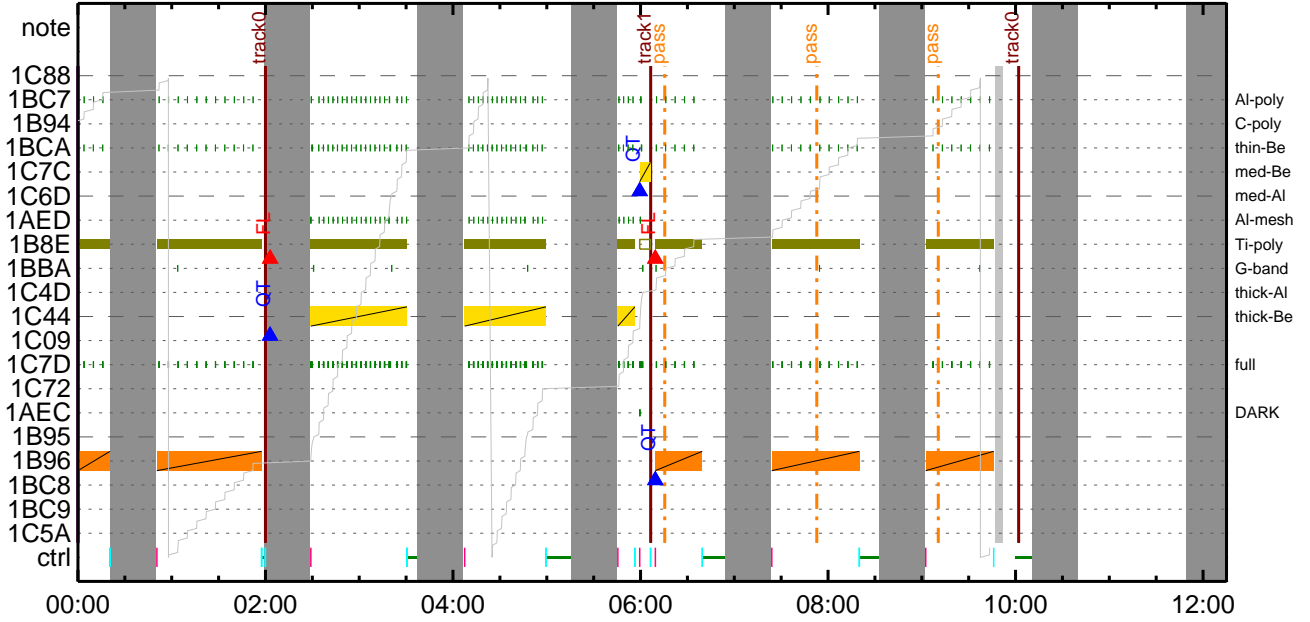
CMDI #0041 2020/07/15



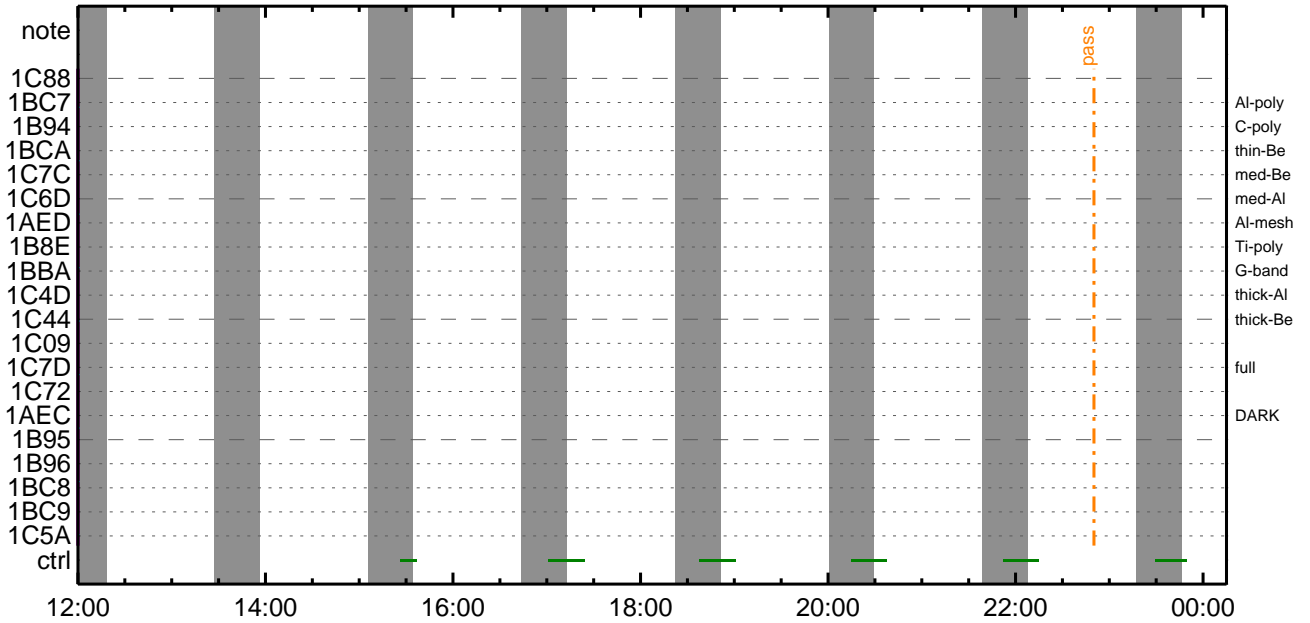
CMDI #0041 2020/07/15



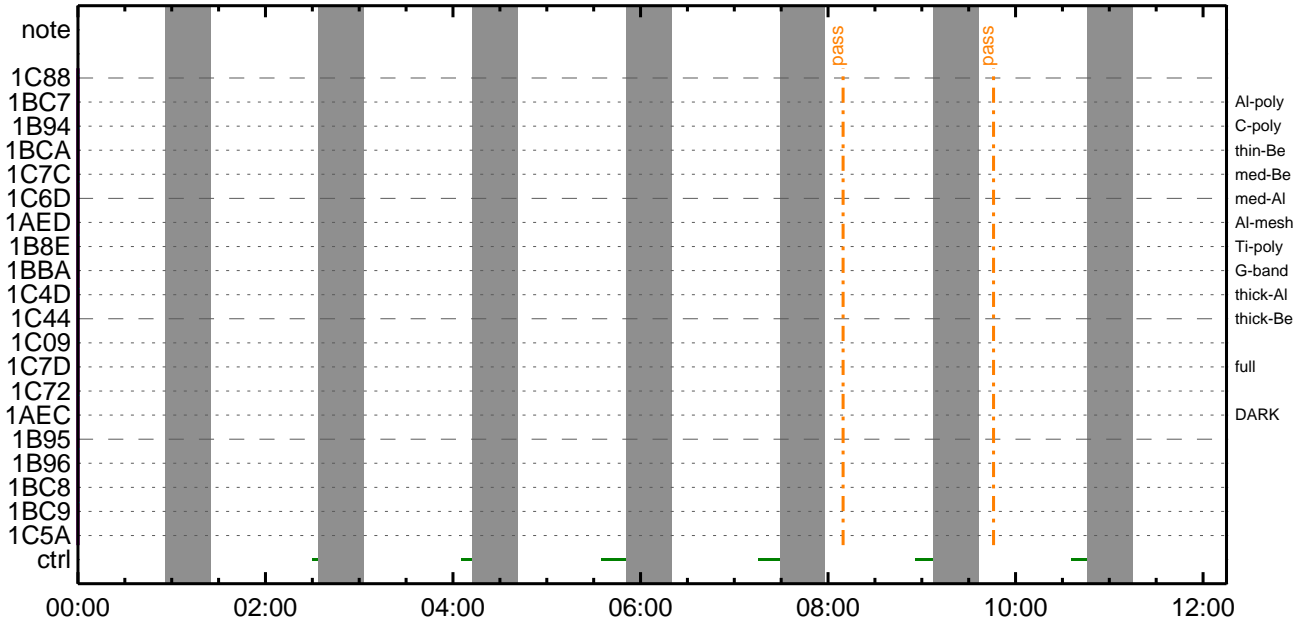
CMDI #0041 2020/07/16



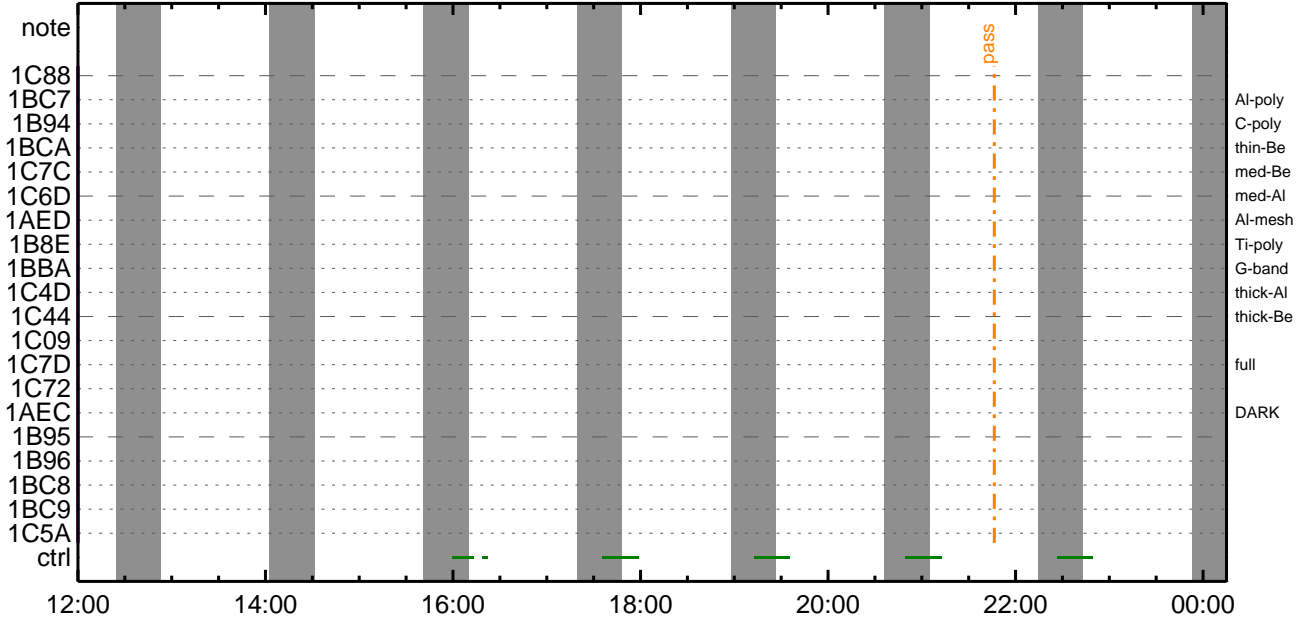
CMDI #0041 2020/07/16



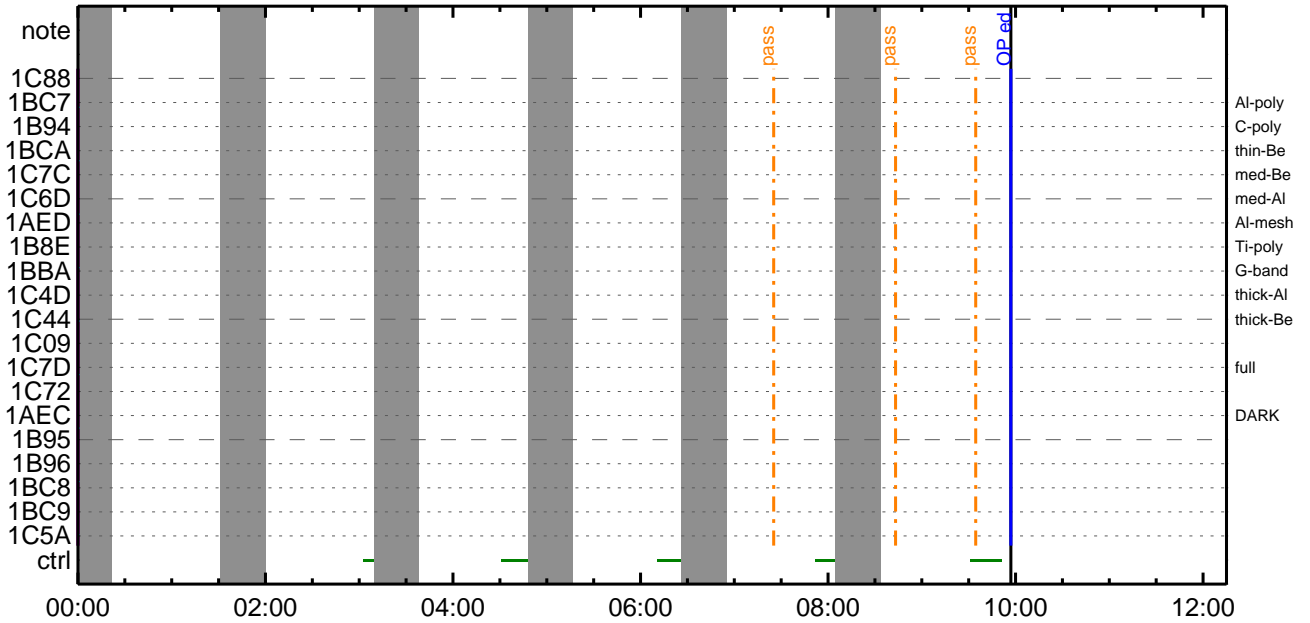
CMDI #0041 2020/07/17

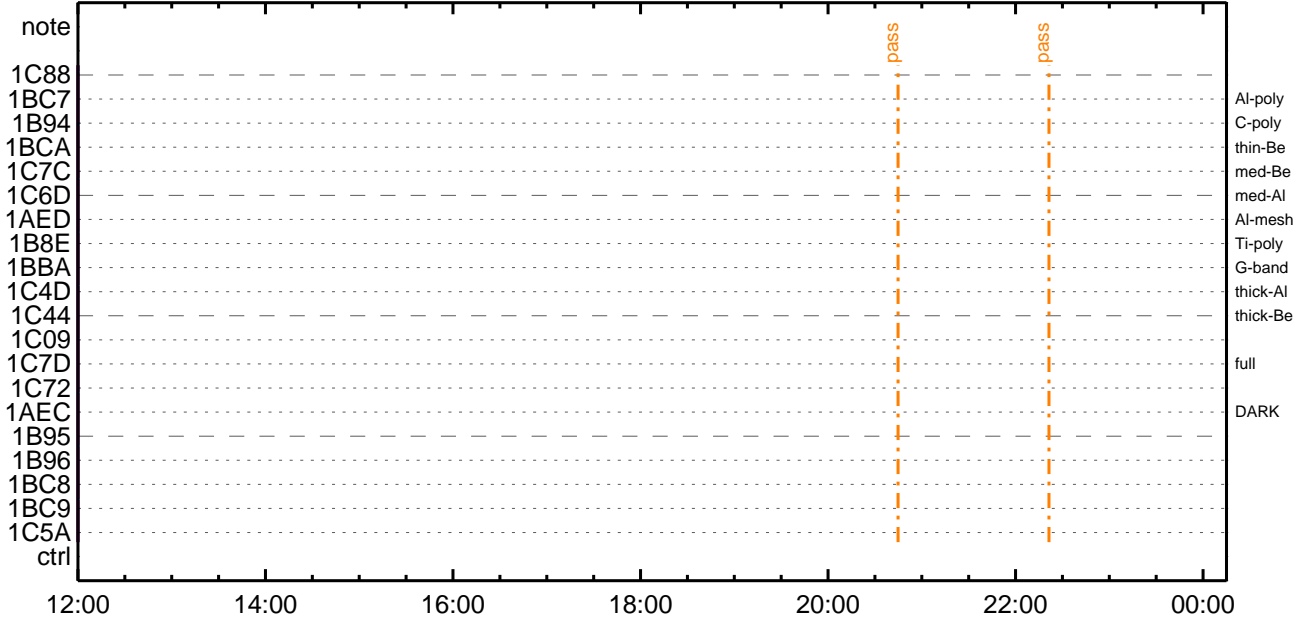


CMDI #0041 2020/07/17



CMDI #0041 2020/07/18





(a) Spacecraft Operation Procedure (real-commands)

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main-894 2020-07-14 11:53:28 104 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÁø•µ°ÈÍ×ÁÇøíYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøí;çÁ®, ùø¹øèøøøçÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG ____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 20 20)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 c0 c0 10 10)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 40 c0 10 10)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 40 40 10 10)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b c0 40 10 10)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0c 80 80 20 08)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0d 80 80 08 20)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0e 85 83 08 08)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0f 80 80 06 06)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 10 80 80 08 08)
0062 + DC 07-F0 MDP_XRT_FLD_ENA
0063 BC (d8)
0064 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0065 BC (c8)
0066 + DC 07-F0 MDP_XRT_ARS_DIS
0067 BC (d5)
0068 + DC 07-F0 MDP_XRT_AEC_RESET
0069 BC (d0)
0070 + DC 07-F0 MDP_XRT_FLD_RESET
0071 BC (da)
0072 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0073 BC (c4 05)
0074 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0075 BC (c5 0d)
0076 . C. ----- Success Verify ? OK / NG ____
0077 C.
0078 C.
0079 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0080 C.
0081 +. DC 07-F0 MDP_XRT_MODE_OBSV
0082 BC (c2)
0083 +. TI 2020-07-14 10:52:02.0
0084 DC 07-F0 MDP_XRT_MODE_OBSV
0085 BC (c2)
0086 . C. ----- Success Verify ? OK / NG ____
0087 C.
0088 C. ***** XRT END *****
0089 C.
0090 . C. ***** MDP `úÁíøí»ö¼YøÈÁøø¹øèDCBC•x²è *****
0091 C. (¼á°íYÓYÁYÈY¥YÉYáYçYèøÈ¼øø¼Á»Ûø¹øé)
0092 . S. DC-BC dcbc-402:DCBC
0093 (MDP_known_event)
0094 C.
0095 C.
```

```
0096 . C. ***** ¥D¥!•İ Daily±;İÑøĒ'Øσ¹σēDCBC•x²è *****
0097 . S. DC-BC dcbc-153:DCBC
0098 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0099 C.
0100 C.
0101 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0102 C.
0103 . C. ***** LOS *****
0104 C.
```

*** OP Sequence for XRT ***

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2020/07/14 11:03:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                               5 02-76 01 03 74 01 f3
2020/07/14 12:17:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 12:17:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 12:17:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 12:17:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 12:20:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 13:55:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 13:55:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 13:55:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 13:55:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 13:58:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 15:33:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 15:33:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 15:33:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 15:33:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 15:36:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 16:14:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 16:14:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 16:14:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 16:14:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 16:17:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 17:12:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 17:12:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 17:12:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 17:12:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 17:15:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 18:50:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 18:50:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 18:50:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 18:50:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 18:53:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 20:28:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 20:28:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 20:28:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 20:28:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 20:31:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 22:07:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 22:07:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 22:07:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 22:07:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 22:10:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP                   1 07-F0 e9
2020/07/14 23:45:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 23:45:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU                    1 07-F0 c1
2020/07/14 23:45:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET                     1 07-F0 da
2020/07/14 23:45:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT                   1 07-F0 e8
2020/07/14 23:48:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]

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| | | | | | | | | |
|------------|------------|---|----------------------|---|-------|----------------|--|--|
| 2020/07/15 | 01:23:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| | | | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 01:23:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 01:23:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 01:23:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 01:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 02:56:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 02:56:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 02:56:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 02:56:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 02:59:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 04:26:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 04:26:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 04:26:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 04:26:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 04:29:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 05:37:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 00 | | |
| 2020/07/15 | 05:42:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 05:42:02.0 | XRT_TCIB_XRT_S_HTR_A_DIS_429_OG [0x1ad] | TCIB_XRT_S_HTR_A_DIS | 0 | 04-C0 | | | |
| 2020/07/15 | 05:47:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 01 03 74 01 f3 | | |
| 2020/07/15 | 06:03:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 06:03:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 06:03:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 06:03:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 06:06:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 07:44:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 07:44:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 07:44:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 07:44:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 07:47:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 09:23:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 09:23:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 09:23:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 09:23:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 09:26:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 11:05:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 11:05:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 11:05:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/15 | 11:05:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/15 | 11:08:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/15 | 11:44:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 11:44:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/15 | 11:44:58.0 | XRT_FOCUS_POSITION_422_OG [0x1a6] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2020/07/15 | 11:45:00.0 | AOCS_OrE-point_Start_3_OG [0x099] | AOCU_NM | 5 | 02-76 | 00 2e f9 2e f9 | | |
| 2020/07/15 | 11:47:52.0 | XRT_ARS_DIS_444_OG [0x1bc] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2020/07/15 | 11:47:54.0 | XRT_FLRCTRL_DIS_428_OG [0x1ac] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2020/07/15 | 11:47:56.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |

| | | | | | | | |
|------------|------------|-----------------------------------|---------------------|---|-------|----------------|----|
| 2020/07/15 | 11:47:58.0 | XRT_QT_PROG_SET_426_OG [0x1aa] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 13 |
| 2020/07/15 | 11:48:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 11:54:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 11:54:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 11:54:58.0 | XRT_FOCUS_POSITION_422_OG [0x1a6] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2020/07/15 | 11:55:00.0 | AOCS_OrE-point_Start_4_OG [0x09a] | AOCU_NM | 5 | 02-76 | 00 2e f9 d1 | 07 |
| 2020/07/15 | 11:57:52.0 | XRT_ARS_DIS_444_OG [0x1bc] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/15 | 11:57:54.0 | XRT_FLRCTRL_DIS_428_OG [0x1ac] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/07/15 | 11:57:56.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/07/15 | 11:57:58.0 | XRT_QT_PROG_SET_432_OG [0x1b0] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 03 |
| 2020/07/15 | 11:58:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 12:04:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:04:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:04:58.0 | XRT_FOCUS_POSITION_422_OG [0x1a6] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2020/07/15 | 12:05:00.0 | AOCS_OrE-point_Start_5_OG [0x09b] | AOCU_NM | 5 | 02-76 | 00 d1 07 d1 | 07 |
| 2020/07/15 | 12:07:52.0 | XRT_ARS_DIS_444_OG [0x1bc] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/15 | 12:07:54.0 | XRT_FLRCTRL_DIS_428_OG [0x1ac] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/07/15 | 12:07:56.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/07/15 | 12:07:58.0 | XRT_QT_PROG_SET_438_OG [0x1b6] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 02 |
| 2020/07/15 | 12:08:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 12:14:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:14:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:14:58.0 | XRT_FOCUS_POSITION_422_OG [0x1a6] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2020/07/15 | 12:15:00.0 | AOCS_OrE-point_Start_6_OG [0x09c] | AOCU_NM | 5 | 02-76 | 00 d1 07 2e f9 | |
| 2020/07/15 | 12:17:52.0 | XRT_ARS_DIS_444_OG [0x1bc] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/15 | 12:17:54.0 | XRT_FLRCTRL_DIS_428_OG [0x1ac] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/07/15 | 12:17:56.0 | XRT_FLD_DIS_425_OG [0x1a9] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/07/15 | 12:17:58.0 | XRT_QT_PROG_SET_442_OG [0x1ba] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 11 |
| 2020/07/15 | 12:18:00.5 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 12:24:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:24:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:24:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2020/07/15 | 12:25:00.0 | AOCS_OrE-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 00 00 00 | 00 |
| 2020/07/15 | 12:25:18.0 | XRT_FLD_DIS_409_OG [0x199] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | |
| 2020/07/15 | 12:25:20.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | |
| 2020/07/15 | 12:25:22.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/15 | 12:27:58.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 10 |
| 2020/07/15 | 12:28:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 12:34:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:34:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 12:34:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa | 00 |
| 2020/07/15 | 12:35:00.0 | AOCS_OrE-point_Start_1_OG [0x097] | AOCU_NM | 5 | 02-76 | 01 03 74 01 | f3 |
| 2020/07/15 | 12:35:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2020/07/15 | 12:35:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2020/07/15 | 12:35:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2020/07/15 | 12:35:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/15 | 12:35:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | | | | | |

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|------------|------------|-----------------------------------|---------------------------|---|-------|----|----|----|----|----|
| 2020/07/15 | 12:37:56.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2020/07/15 | 12:37:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 | | | |
| 2020/07/15 | 12:38:00.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d | | | |
| 2020/07/15 | 12:52:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2020/07/15 | 12:52:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 12:52:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 12:52:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2020/07/15 | 12:55:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2020/07/15 | 13:21:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2020/07/15 | 13:22:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CUSTOM_430_OG | | | | | | | |
| 2020/07/15 | 14:30:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2020/07/15 | 14:30:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 14:30:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 14:30:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2020/07/15 | 14:33:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2020/07/15 | 14:59:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2020/07/15 | 15:00:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CUSTOM_430_OG | | | | | | | |
| 2020/07/15 | 16:09:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2020/07/15 | 16:09:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 16:09:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 16:09:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2020/07/15 | 16:12:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2020/07/15 | 16:50:00.5 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2020/07/15 | 16:51:00.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CUSTOM_430_OG | | | | | | | |
| 2020/07/15 | 17:47:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2020/07/15 | 17:47:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 17:47:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 17:47:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |
| 2020/07/15 | 17:50:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | | | |
| 2020/07/15 | 18:26:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | | | |
| 2020/07/15 | 18:26:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 18:26:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 18:26:30.0 | AOCS_Ore-point_Start_2_OG [0x098] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2020/07/15 | 18:26:48.0 | XRT_FLD_DIS_409_OG [0x199] | AOCS_Ore-point_Start_2_OG | | | | | | | |
| 2020/07/15 | 18:26:50.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | AOCS_Ore-point_Start_2_OG | 5 | 02-76 | 00 | 00 | 00 | 00 | 00 |
| 2020/07/15 | 18:26:52.0 | XRT_ARS_DIS_443_OG [0x1bb] | AOCS_Ore-point_Start_2_OG | | | | | | | |
| 2020/07/15 | 18:29:28.0 | XRT_QT_PROG_SET_403_OG [0x193] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | | | |
| 2020/07/15 | 18:29:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | | | |
| 2020/07/15 | 18:36:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| 2020/07/15 | 18:36:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 08 | | | |
| 2020/07/15 | 18:36:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | | | |
| 2020/07/15 | 18:36:30.0 | AOCS_Ore-point_Start_1_OG [0x097] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 18:36:48.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | | | |
| 2020/07/15 | 18:36:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff | aa | 00 | |
| 2020/07/15 | 18:36:52.0 | XRT_AEC_RESET_448_OG [0x1c0] | AOCS_Ore-point_Start_1_OG | | | | | | | |
| 2020/07/15 | 18:36:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | AOCS_Ore-point_Start_1_OG | 5 | 02-76 | 01 | 03 | 74 | 01 | f3 |
| 2020/07/15 | 18:36:56.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | | | |
| 2020/07/15 | 18:39:26.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | | | |
| | | | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----|-------------|
| 2020/07/15 | 18:39:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 04 |
| | | | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2020/07/15 | 18:39:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 19:25:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 19:25:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 19:25:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/15 | 19:25:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/07/15 | 19:28:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/15 | 20:03:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/07/15 | 20:04:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 21:04:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 21:04:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 21:04:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/15 | 21:04:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/07/15 | 21:07:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/15 | 21:40:30.5 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/07/15 | 21:41:30.5 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/15 | 22:42:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 22:42:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/15 | 22:42:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/15 | 22:42:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/07/15 | 22:45:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/15 | 23:16:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/07/15 | 23:17:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/16 | 00:20:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 00:20:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 00:20:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/16 | 00:20:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/07/16 | 00:20:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/16 | 00:20:36.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/16 | 00:23:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/16 | 00:49:30.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/07/16 | 00:50:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/16 | 01:57:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 01:57:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 01:57:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/16 | 01:57:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | |
| 2020/07/16 | 01:59:54.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 01:59:56.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | |
| 2020/07/16 | 01:59:58.0 | XRT_FOCUS_POSITION_406_OG [0x196] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 | ff aa 00 |
| 2020/07/16 | 02:00:00.0 | AOCS_Ore-point_Start_2_OG [0x098] | AOCU_NM | 5 | 02-76 | 00 | 00 00 00 00 |
| 2020/07/16 | 02:00:18.0 | XRT_FLD_ENA_411_OG [0x19b] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | |
| 2020/07/16 | 02:00:20.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | |
| 2020/07/16 | 02:00:22.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | |
| 2020/07/16 | 02:00:24.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | |
| 2020/07/16 | 02:00:26.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | |
| 2020/07/16 | 02:00:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | |
| 2020/07/16 | 02:02:56.0 | XRT_QT_PROG_SET_433_OG [0x1b1] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 | 0a |
| 2020/07/16 | 02:02:58.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 | 0d |
| 2020/07/16 | 02:28:00.0 | XRT_Custom_430_OG [0x1ae] | | | | | |
| 2020/07/16 | 02:29:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | |
| 2020/07/16 | 03:30:30.0 | XRT_CTRL_MANU_400_OG [0x190] | | | | | |

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|------------|------------|-----------------------------------|---------------------|---|-------|----------------|--|--|
| 2020/07/16 | 03:30:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 03:30:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 03:30:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/16 | 03:33:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/16 | 04:06:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/16 | 04:07:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 04:59:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 04:59:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 04:59:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 04:59:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/16 | 05:02:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/16 | 05:44:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/16 | 05:45:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 05:56:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 05:56:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 05:56:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 05:56:48.0 | XRT_FLD_DIS_409_OG [0x199] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2020/07/16 | 05:56:50.0 | XRT_FLRCTRL_DIS_413_OG [0x19d] | MDP_XRT_FLD_DIS | 1 | 07-F0 | d9 | | |
| 2020/07/16 | 05:56:52.0 | XRT_ARS_DIS_443_OG [0x1bb] | MDP_XRT_FLRCTRL_DIS | 1 | 07-F0 | c9 | | |
| 2020/07/16 | 05:59:28.0 | XRT_QT_PROG_SET_441_OG [0x1b9] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2020/07/16 | 05:59:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 10 | | |
| 2020/07/16 | 06:06:24.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 06:06:26.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 06:06:28.0 | XRT_FOCUS_POSITION_406_OG [0x196] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 06:06:30.0 | AOCs_Ore-point_Start_1_OG [0x097] | XRT_FOCUS_POSITION | 4 | 07-F8 | 22 ff aa 00 | | |
| 2020/07/16 | 06:06:48.0 | XRT_FLD_ENA_411_OG [0x19b] | AOCU_NM | 5 | 02-76 | 01 03 74 01 f3 | | |
| 2020/07/16 | 06:06:50.0 | XRT_FLRCTRL_ENA_412_OG [0x19c] | MDP_XRT_FLD_ENA | 1 | 07-F0 | d8 | | |
| 2020/07/16 | 06:06:52.0 | XRT_AEC_RESET_448_OG [0x1c0] | MDP_XRT_FLRCTRL_ENA | 1 | 07-F0 | c8 | | |
| 2020/07/16 | 06:06:54.0 | XRT_ARS_DIS_423_OG [0x1a7] | MDP_XRT_AEC_RESET | 1 | 07-F0 | d0 | | |
| 2020/07/16 | 06:06:56.0 | XRT_FLD_RESET_434_OG [0x1b2] | MDP_XRT_ARS_DIS | 1 | 07-F0 | d5 | | |
| 2020/07/16 | 06:09:26.0 | XRT_QT_PROG_SET_405_OG [0x195] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/16 | 06:09:28.0 | XRT_FL_PROG_SET_440_OG [0x1b8] | MDP_XRT_QT_PROG_SET | 2 | 07-F0 | c4 04 | | |
| 2020/07/16 | 06:09:30.0 | XRT_CTRL_AUTO_408_OG [0x198] | MDP_XRT_FL_PROG_SET | 2 | 07-F0 | c5 0d | | |
| 2020/07/16 | 06:39:30.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 06:39:32.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 06:39:34.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 06:39:36.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/16 | 06:42:44.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/16 | 07:23:00.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/16 | 07:24:00.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 08:20:00.0 | XRT_CTRL_MANU_400_OG [0x190] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 08:20:02.0 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 08:20:04.0 | XRT_FLD_RESET_415_OG [0x19f] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |
| 2020/07/16 | 08:20:06.0 | XRT_PREFLR_STRT_407_OG [0x197] | MDP_XRT_FLD_RESET | 1 | 07-F0 | da | | |
| 2020/07/16 | 08:23:14.0 | XRT_PREFLR_STOP_419_OG [0x1a3] | MDP_XRT_PREFLR_STRT | 1 | 07-F0 | e8 | | |
| 2020/07/16 | 09:01:30.0 | XRT_Custom_430_OG [0x1ae] | MDP_XRT_PREFLR_STOP | 1 | 07-F0 | e9 | | |
| 2020/07/16 | 09:02:30.0 | XRT_CTRL_AUTO_424_OG [0x1a8] | MDP_XRT_CTRL_AUTO | 1 | 07-F0 | c0 | | |
| 2020/07/16 | 09:46:00.5 | XRT_CTRL_MANU_402_OG [0x192] | MDP_XRT_CTRL_MANU | 1 | 07-F0 | c1 | | |

2020/07/16 10:02:00.0 AACS_ORe-point_Start_2_OG [0x098]
AOCU_NM 5 02-76 00 00 00 00 00