XRT Timeline to be uploaded on 2021/02/11

Period: 2021/02/11 11:10:00 - 2021/02/16 11:20:00

* * * * * **Normal mode** * * * * *

XOB #1C09: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 60s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
02/11 11:23:00 - 02/11 17:53:24	Fixed (-22.0, -959.0)	# OP start + 10min. HOP 81 (South pole).

PROG= 15 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 16 2-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec

Subr= 2 1-time(s) 2.0sec

Seqn= 90 1-time(s) 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec

Subr= 3 60-time(s) 60.0sec

Seqn= 57 1-time(s) 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec

XOB #1C6B: Synoptic Q95 2x2 - Al/mesh(64/512/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(128/1024/4096) +

Term	Pointing (x, y)	Comment
02/11 17:56:30 - 02/11 18:03:24	Fixed (0.0, 0.0)	synoptic, shifted -6.5 min
02/12 06:28:30 - 02/12 06:35:24	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 25.5 min
02/12 18:15:00 - 02/12 18:21:54	Fixed (0.0, 0.0)	synoptic, shifted 12.0 min
02/13 06:00:00 - 02/16 11:20:00	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -3.0 min

PROG= 06 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 5 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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= 36 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 85 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	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

Seqn= 33 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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) 2.0sec

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

XOB #1B94: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 180s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
02/11 18:06:30 - 02/12 02:25:24	Track (-479.7, -439.0) @ 02/11 18:03:30	# AR observations.
02/12 18:25:00 - 02/12 21:59:54	Track (-320.0, -428.0) @ 02/12 18:22:00	# AR cont.

PROG= 19 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 30 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec

Subr= 2 20-time(s) 180.0sec

Seqn= 8 1-time(s) 2.0sec

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

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

XOB #1C30: HOP349 - 3-filter Synoptics (Al-mesh[64/512/2897], Al-poly[181/1024/8192], thin-Be[1024/11571/23142] with 512x512 G-band 1ms+Leak - 50min

Term	Pointing (x, y)	Comment
02/12 02:28:30 - 02/12 06:25:24	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 25.5 min
02/13 02:03:00 - 02/13 05:56:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -3.0 min

PROG= 08 Inf.-time(s)

Subr= 1 1-time(s) 600.0sec

```
    Seqn= 36    1-time(s)    2.0sec
      Open/Al-mesh  Open/Al-mesh  close  Safe  Norm  63ms   Obs  2x2  2048x2048 (1024, 1024)  Q=95  0  0  2.0sec
      Open/Al-mesh  Open/Al-mesh  close  Safe  Norm  500ms  Obs  2x2  2048x2048 (1024, 1024)  Q=95  0  0  2.0sec
      Open/Al-mesh  Open/Al-mesh  close  Safe  Norm  2.83s  Obs  2x2  2048x2048 (1024, 1024)  Q=95  0  0  2.0sec
    Seqn= 93    1-time(s)    2.0sec
      Al-poly/Open  Al-poly/Open  close  Safe  Norm  177ms  Obs  2x2  2048x2048 (1024, 1024)  Q=95  0  0  2.0sec
      Al-poly/Open  Al-poly/Open  close  Safe  Norm  1.00s  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= 33    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= 30    1-time(s)    2.0sec
      Open/G-band  Open/G-band  open   Safe  Norm  1ms    Obs  1x1  512x512 (1024, 1024)   Q=90  0  0  2.0sec
      Open/G-band  Open/G-band  close  Safe  Norm  1ms    Obs  1x1  512x512 (1024, 1024)   Q=95  0  0  2.0sec
  Subr= 2    4-time(s)    600.0sec
    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

XOB #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
02/12 06:38:30 - 02/12 17:48:30	Track (-399.9, -432.8) @ 02/12 06:35:30	# AR cont.

```
PROG= 16    Inf.-time(s)
  Subr= 1    1-time(s)    2.0sec
    Seqn= 30    1-time(s)    2.0sec
      Open/G-band  Open/G-band  open   Safe  Norm  1ms    Obs  1x1  512x512 (1024, 1024)   Q=90  0  0  2.0sec
      Open/G-band  Open/G-band  close  Safe  Norm  1ms    Obs  1x1  512x512 (1024, 1024)   Q=95  0  0  2.0sec
  Subr= 2    10-time(s)    360.0sec
    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
```

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

XOB #1C9A: HOP336 1-filter - Al/poly -384x384, 128ms and 2s, 60s-cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
02/12 22:03:00 - 02/13 01:46:00	Track (-40.9, 73.9) @ 02/12 22:00:00	# HOP 393 (cycle transition).

```
PROG= 02    Inf.-time(s)
  Subr= 1    1-time(s)    2.0sec
    Seqn= 16    2-time(s)    2.0sec
      Open/G-band  Open/G-band  close  Safe  Norm  1ms    Obs  1x1  384x384 (1064, 1048)   DPCM  0  0  2.0sec
  Subr= 2    1-time(s)    2.0sec
    Seqn= 90    1-time(s)    30.0sec
      Open/G-band  Open/G-band  open   Safe  Norm  1ms    Obs  1x1  384x384 (1064, 1048)   Q=90  0  0  2.0sec
  Subr= 3    15-time(s)    2.0sec
    Seqn= 60    1-time(s)    60.0sec
      Al-poly/Open  Al-poly/Open  close  Safe  Norm  2.00s  Obs  1x1  384x384 (1064, 1048)  Q=90  0  0  2.0sec
      Al-poly/Open  Al-poly/thick-Al  close  Safe  Norm  125ms  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

* * * * * **Flare mode** * * * * *

XOB #1C96: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + Gb

Term	Pointing (x, y)	Comment
02/11 11:23:00 - 02/11 17:53:24	Fixed (-22.0, -959.0)	# OP start + 10min. HOP 81 (South pole).
02/11 18:06:30 - 02/12 02:25:24	Track (-479.7, -439.0) @ 02/11 18:03:30	# AR observations.
02/12 02:28:30 - 02/12 06:25:24	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted 25.5 min
02/12 06:38:30 - 02/12 17:48:30	Track (-399.9, -432.8) @ 02/12 06:35:30	# AR cont.
02/12 18:25:00 - 02/12 21:59:54	Track (-320.0, -428.0) @ 02/12 18:22:00	# AR cont.
02/12 22:03:00 - 02/13 01:46:00	Track (-40.9, 73.9) @ 02/12 22:00:00	# HOP 393 (cycle transition).
02/13 02:03:00 - 02/13 05:56:54	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted -3.0 min

```
PROG= 04    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= 73    1-time(s)    10.0sec
      thin-Be/Open  med-Be/Open  close  Safe  Norm  125ms  Obs  1x1  384x384 (1024, 1024)  Q=95  3  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-Be	Open/thick-Be	close	Safe	Norm	2.00s	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

Active Region Search

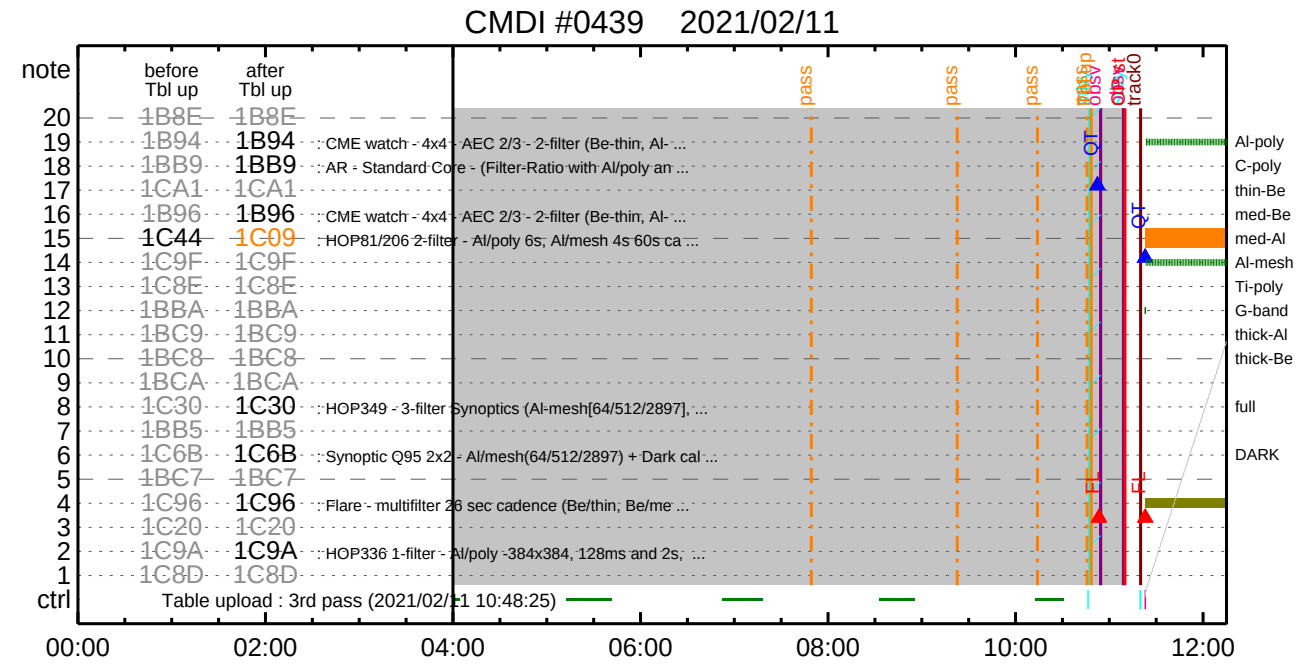
NOT USED

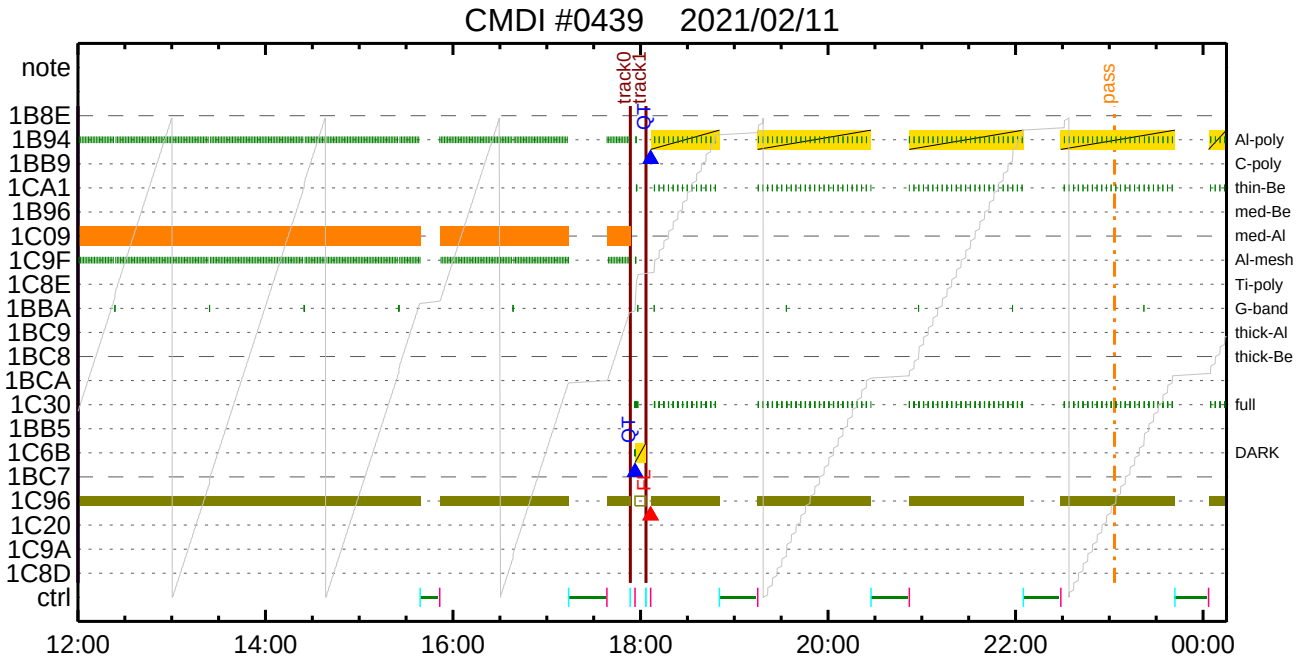
Flare Detection

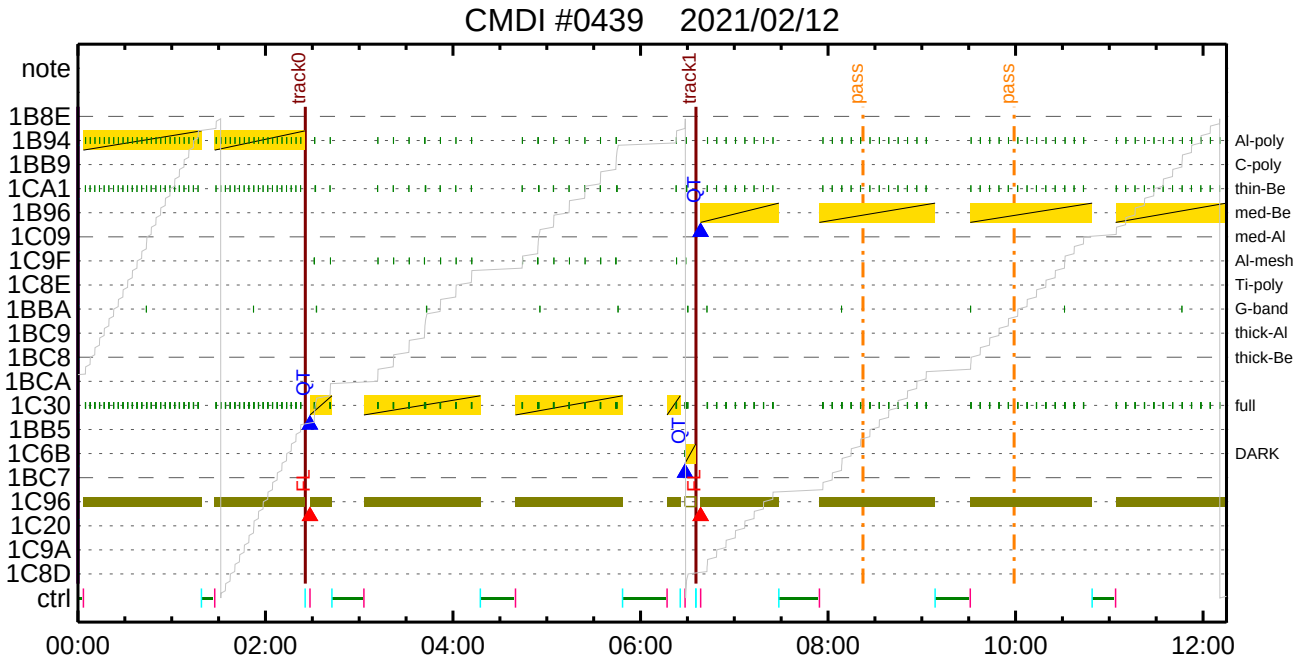
FLD Patrol

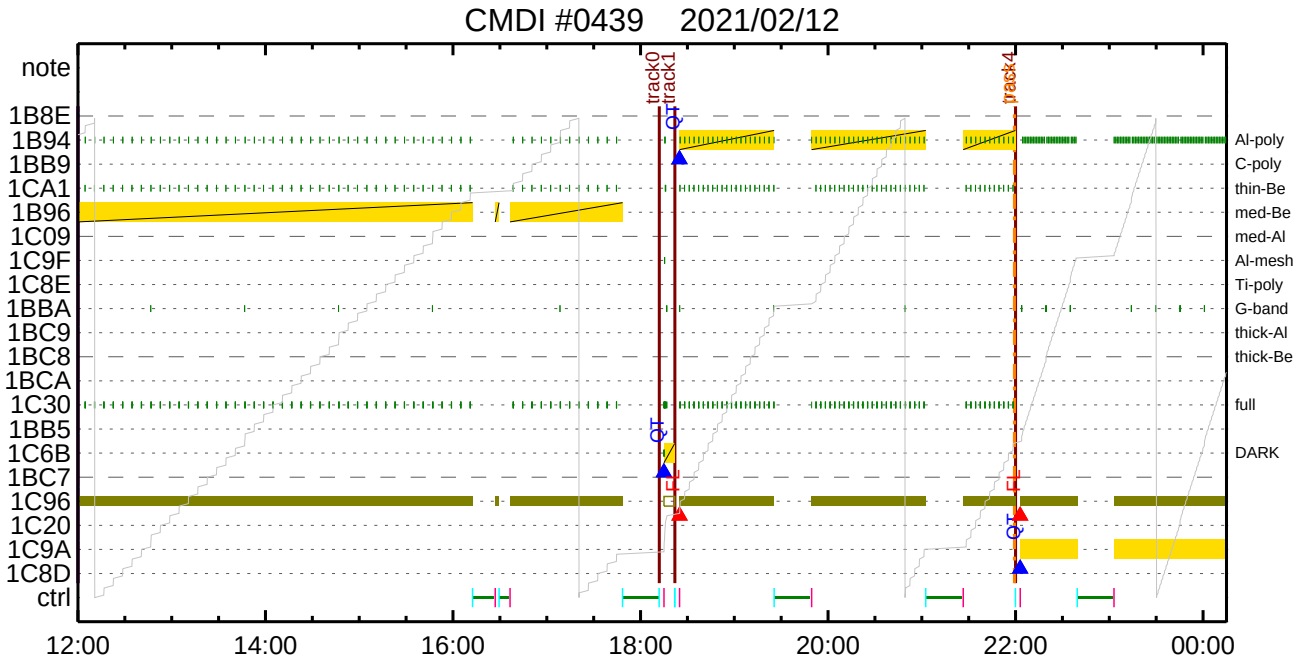
Term	Pointing (x, y)		Comment
02/11 18:03:48 - 02/12 06:25:46	Track (-479.7, -439.0)	@ 02/11 18:03:30	# AR observations.
02/12 06:35:48 - 02/12 18:12:16	Track (-399.9, -432.8)	@ 02/12 06:35:30	# AR cont.
02/12 18:22:18 - 02/13 05:57:16	Track (-320.0, -428.0)	@ 02/12 18:22:00	# AR cont.

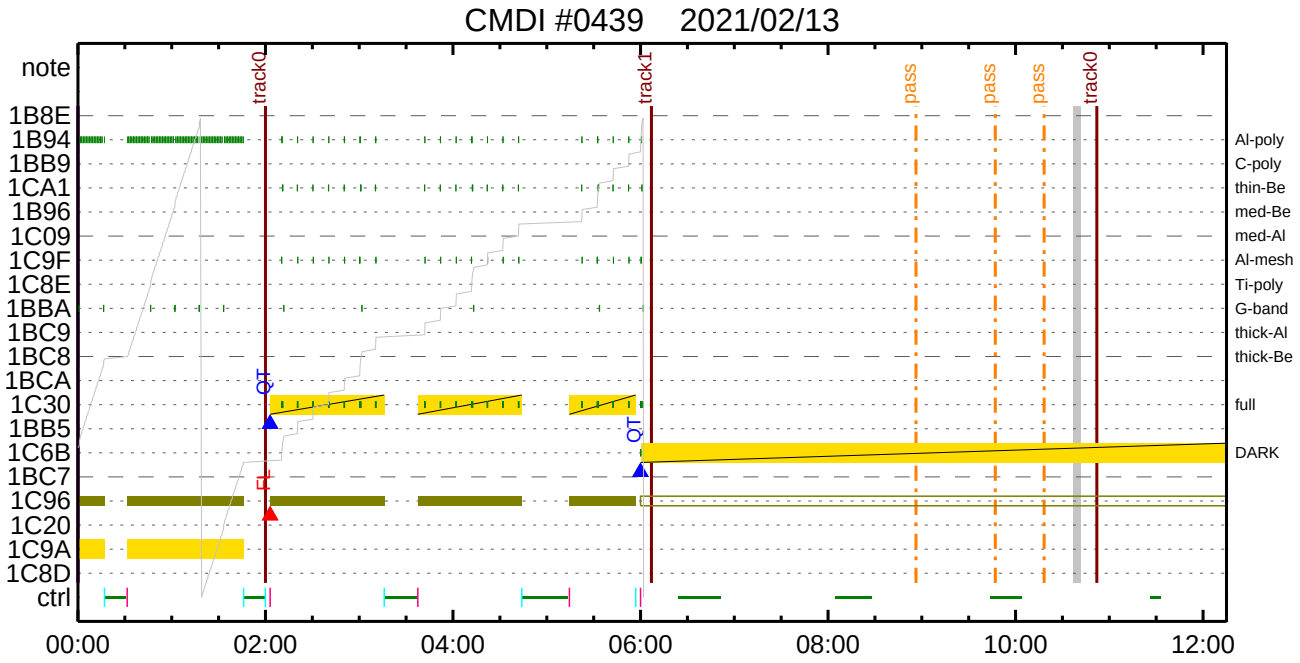
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50		30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

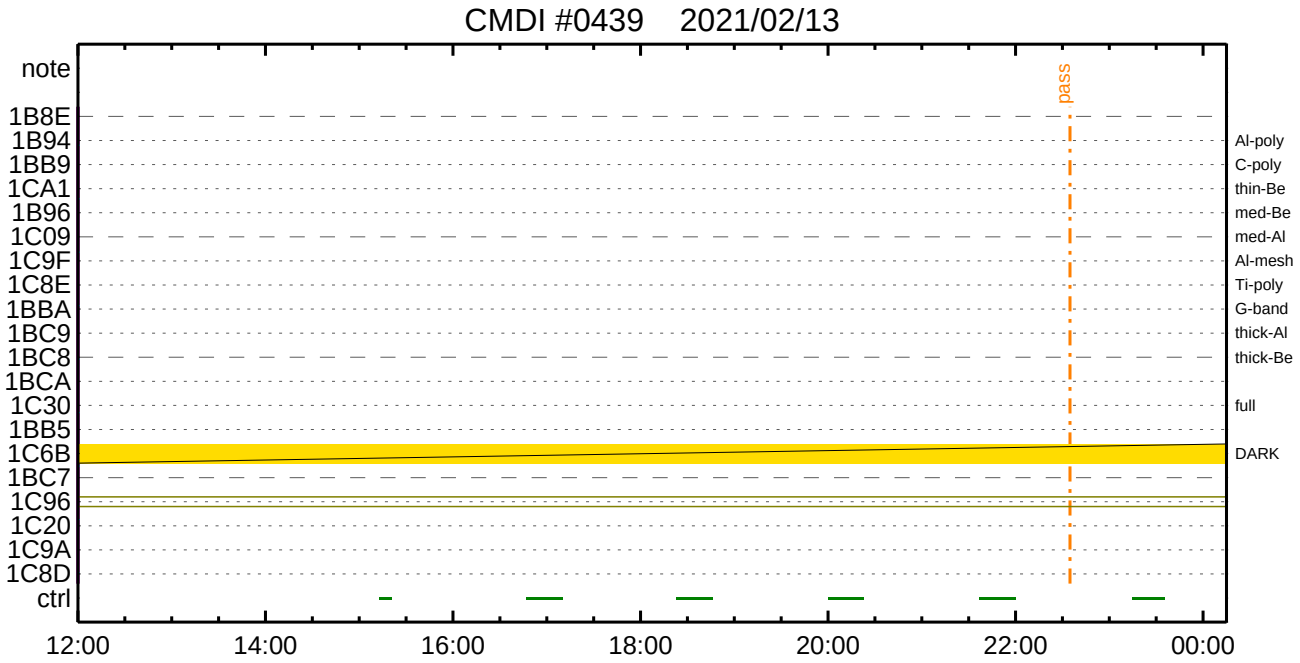

CMDI #0439 2021/02/11
note
before Tbl up
after Tbl up
20 1B8E 1B8E
19 1B94 1B94 : CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
18 1BB9 1BB9 : AR - Standard Core - (Filter-Ratio with Al/poly an ...
17 1CA1 1CA1
16 1B96 1B96 : CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
15 1C44 1C09 : HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 60s ca ...
14 1C9F 1C9F
13 1C8E 1C8E
12 1BBA 1BBA
11 1BC9 1BC9
10 1BC8 1BC8
9 1BCA 1BCA
8 1C30 1C30 : HOP349 - 3-filter Synoptics (Al-mesh[64/512/2897], ...
7 1BB5 1BB5
6 1C6B 1C6B : Synoptic Q95 2x2 - Al/mesh(64/512/2897) + Dark cal ...
5 1BC7 1BC7
4 1C96 1C96 : Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
3 1C20 1C20
2 1C9A 1C9A : HOP336 1-filter - Al/poly -384x384, 128ms and 2s, ...
1 1C8D 1C8D
ctrl Table upload : 3rd pass (2021/02/11 10:48:25)
pass
pass
pass
QT
FL
track0
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

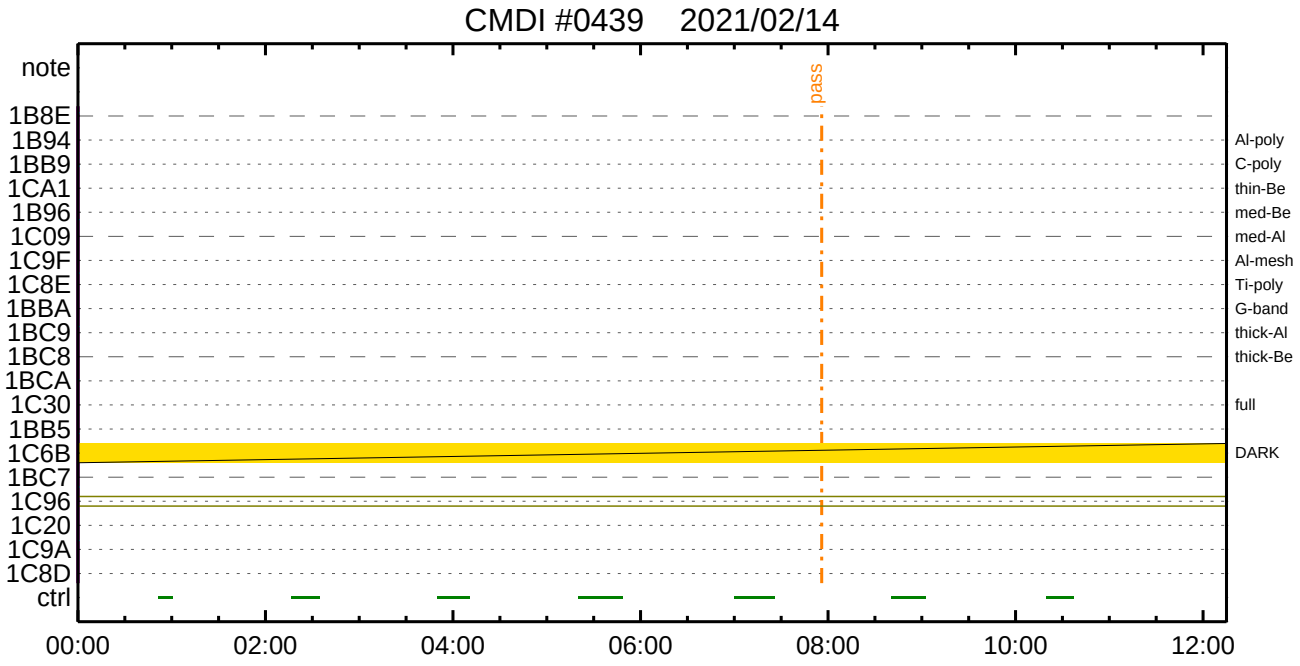

CMDI #0439 2021/02/11
note
track0
track1
QT
FL
pass
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

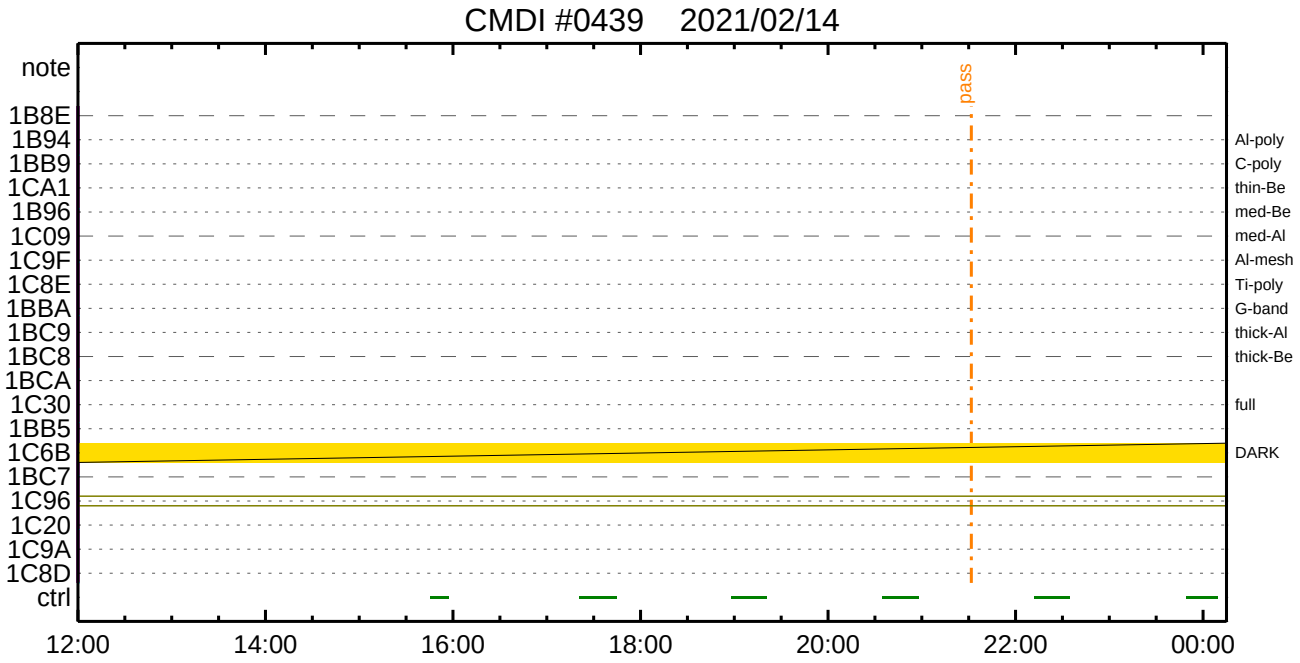

CMDI #0439 2021/02/12
note
track0
track1
QT
FL
pass
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

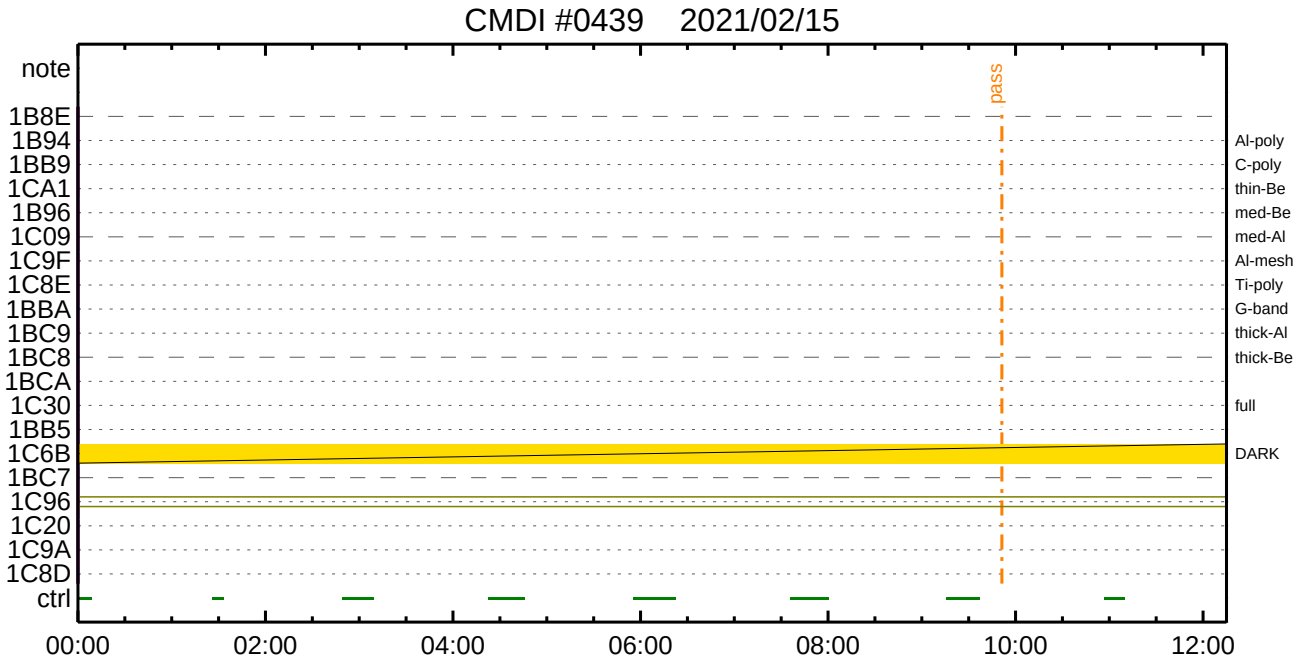

CMDI #0439 2021/02/12
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
track0
track1
track4
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

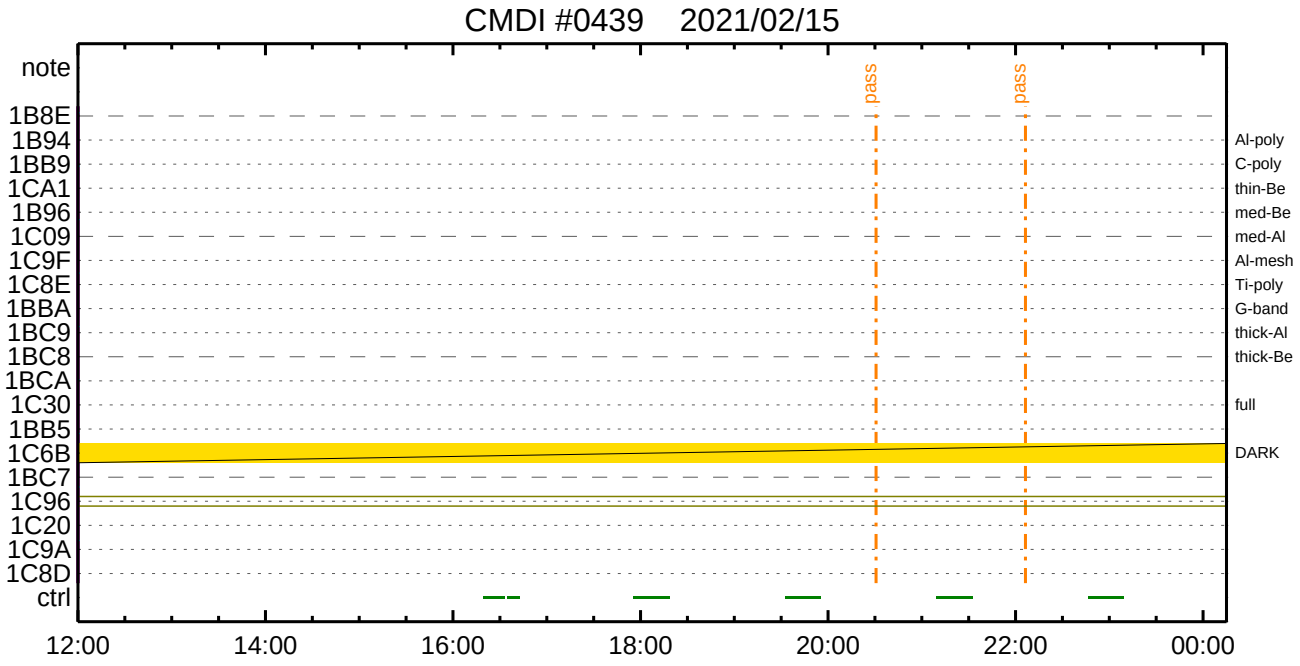

CMDI #0439 2021/02/13
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
track0
track1
pass
pass
pass
track0
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

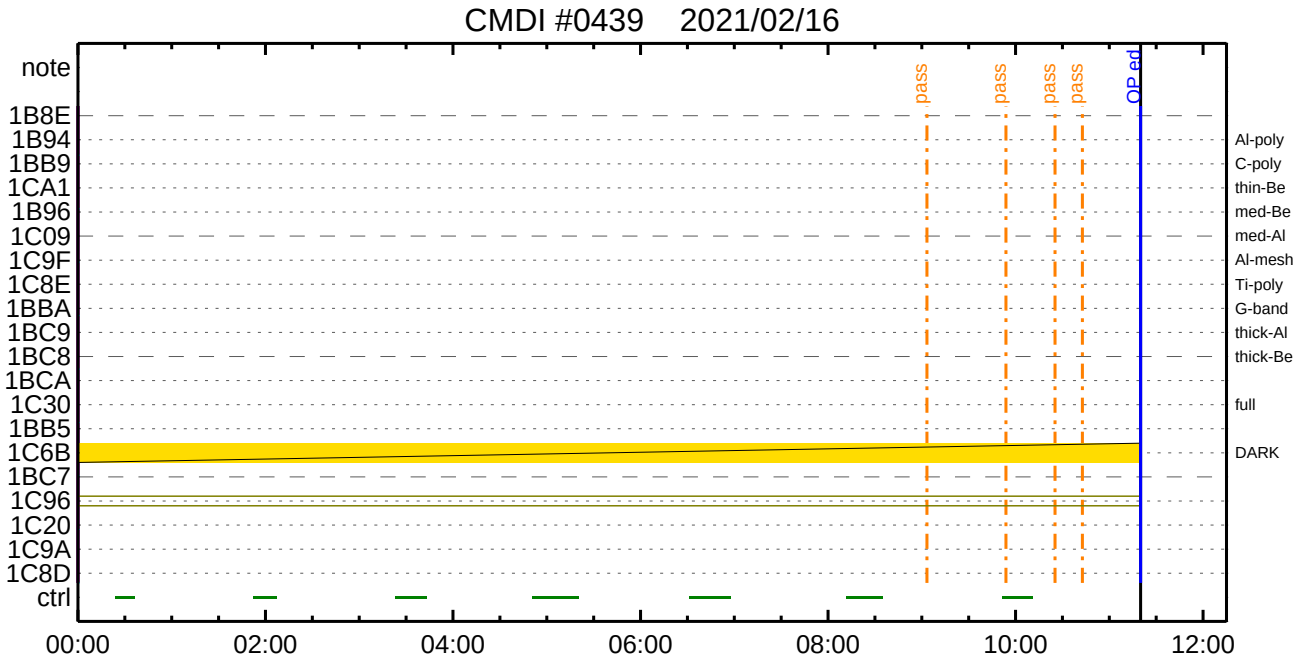

CMDI #0439 2021/02/13
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

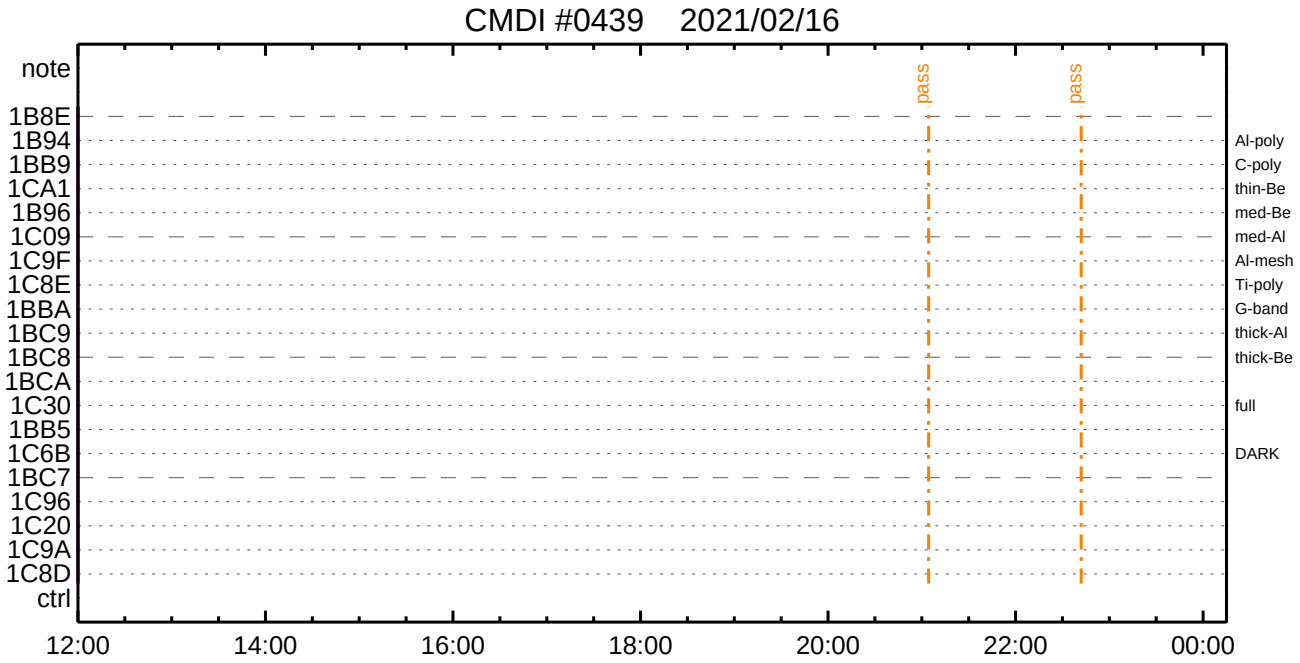

CMDI #0439 2021/02/14
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0439 2021/02/14
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0439 2021/02/15
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0439 2021/02/15
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0439 2021/02/16
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
pass
pass
pass
OP end
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0439 2021/02/16
note
1B8E
1B94
1BB9
1CA1
1B96
1C09
1C9F
1C8E
1BBA
1BC9
1BC8
1BCA
1C30
1BB5
1C6B
1BC7
1C96
1C20
1C9A
1C8D
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

```
(a) Spacecraft Operation Procedure (real-commands)

main-307 2021-02-11 14:56:38 194 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0016     C. ****************************
0017     C.
0018   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0019   . S. OP    op-307:OP
0020     ()
0021   . S. OG    og-307:OG
0022     ()
0023     C.
0024   . C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡ä
0025     C. NMOG(0x200000-0x207FFF¡§ 32 kbyte)
0026   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027     BC       (20 00 7f 01 02)
0028     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
0029     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0030     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0031     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0032     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0033   +. DC 01-22 DHU_MODE_CHNG
0034     BC       (07 0b f8)
0035     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0036     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0037     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0038     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0039     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0040   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0041     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0042   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0043     C.
0044     C. NMOG(0x208000-0x20FFFF¡§ 32 kbyte)
0045   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046     BC       (20 80 7f 01 02)
0047     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
0048     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0049     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0050     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0051     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0052   +. DC 01-22 DHU_MODE_CHNG
0053     BC       (07 0b f8)
0054     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0055     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0056     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0057     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0058     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0059   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0060     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0061   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0062     C.
0063     C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065     BC       (21 00 41 01 02)
0066     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
0067     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0068     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
0069     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0070     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0071   +. DC 01-22 DHU_MODE_CHNG
0072     BC       (07 0b f8)
0073     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0074     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0075     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0076     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0077     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0078   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0079     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0080   . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0081     C.
0082   . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤ºÁ÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0083     C. DHU¥â¡¼¥É¡Ê¼ý¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0084   +. DC 01-22 DHU_MODE_CHNG
0085     BC       (02 0a f8)
0086     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     2
0087     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0088     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0089     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0090     C.
0091   . C. ********************************
0092     C. TI-CMD SET (OPOG STOP/COPY/START)
0093     C. ********************************
0094     C.
0095   . C. NOTICE ¡§ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
```

```
0096     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
0097     C.
0098   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0099   +. TI 2021-02-11 11:05:00.0
0100     DC 01-B3 DHU_OP_STOP
0101     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0102     C.
0103   +. TI 2021-02-11 11:05:01.0
0104     DC 01-B4 DHU_OP_COPY
0105     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0106     C.
0107   +. TI 2021-02-11 11:05:01.0
0108     DC 01-B5 DHU_OPOG_COPY
0109     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0110     C.
0111   +. TI 2021-02-11 11:09:59.5
0112     DC 01-B2 DHU_OP_START
0113     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0114     C.
0115     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0116     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0117     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
0118     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0119     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0120     C.
0121   . C. ***************************
0122     C. TIÎÎ°è¥À¥ó¥×
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.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0129     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0130     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0131     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0132     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0133   +. DC 01-22 DHU_MODE_CHNG
0134     BC       (07 0b f8)
0135     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
0136     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0137     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0138     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0139     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0140     C.
0141   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0142     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0143     C.
0144   . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0145     C.
0146   . C. DHU¥â¡¼¥É¡Ê¼ý¸¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0147   +. DC 01-22 DHU_MODE_CHNG
0148     BC       (02 0a f8)
0149     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
0150     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0151     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0152     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0153     C.
0154   . C. Stop EIS observation and temporarily disable EIS mode changes
0155     C.
0156     C.
0157     C. ********** Start EIS operation (TI set) **********
0158     C. Execute, after the success of OP upload.
0159     C. Set EIS TI-commands
0160   +. TI 2021-02-11 11:09:30.0
0161     DC 07-FC EIS_MODE_MANU
0162     BC       (21 02)
0163   +. TI 2021-02-11 11:09:40.0
0164     DC 07-FC EIS_MODE_CHG_DIS
0165     BC       (22)
0166   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
0167     C. *********** End EIS operation (TI set) ***********
0168     C.
0169     C.
0170     C.
0171     C. ************ XRT START ***********
0172     C. Execute, after the success of OP upload.
0173   +. TI 2021-02-11 11:09:00.0
0174     DC 07-F0 MDP_XRT_MODE_STBY
0175     BC       (c3)
0176   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
0177     C.
0178     C. ************ XRT END ***********
0179     C.
0180   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0181     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0182   . S. DC-BC dcbc-402:DCBC
0183     (MDP_known_event)
0184     C.
0185     C.
0186   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0187   . S. DC-BC dcbc-153:DCBC
0188     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189     C.
0190     C.
0191   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0192     C.
0193   . C. ********** LOS **********
```

0194 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-308 2021-02-11 14:56:38 85 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ***** AOCS Commands (Tracking Curve Upload) ******
0015     C. Upload the Orbit Element and the Target Attitude
0016     C. RAM-ID:TARGET_ATT
0017   . S. RAM   ram-150:TARGET_ATT
0018     ()
0019     C.
0020     C.
0021     C. Set the dump memory area of TARGET_ATT
0022   +. DC 02-48 AOCU_DUMP_SET
0023     BC       (07 00 00 00 18 00)
0024     C.
0025     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026     C.
0027     C.
0028     C. Change the TLMFormatNo for the AOCS Dump Format
0029   +. DC 01-22 DHU_MODE_CHNG
0030     BC       (04 0b f8)
0031     C.
0032     C. Wait for AOCSDUMP to end
0033     C.
0034   . C. Check the dump memory
0035     C.
0036     C.                                      Result = OK [ ]
0037     C.
0038   +. DC 01-22 DHU_MODE_CHNG
0039     BC       (02 0a f8)
0040     C.
0041     C.                          <A_***>[TLM STS] FMT = 2 [ ]
0042     C.
0043   +. DC 02-8E AOCU_ORB_UPD
0044   . C.
0045   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046   +. DC 07-FC EIS_MODE_CHG_ENA
0047     BC       (20)
0048   . C. Verify EIS_MODE_CHG_FLG is ENA
0049   +. DC 07-FC EIS_MODE_MANU
0050     BC       (21 02)
0051   . C. Verify EIS in MANUAL mode
0052   . C. Estimated OBSTBL upload time is 9s
0053     C. ********************************
0054     C. EIS START OBSTBL LOAD
0055     C. ********************************
0056   . S. RAM   ram-820:EIS_OBSTBL
0057     ()
0058   +. DC 07-FC EIS_DUMP_OBSTBL
0059     BC       (07 07 07 00 00 70 00)
0060     C.
0061     C. Execute, after the success of OBSTBL upload.
0062     C. Set EIS TI-commands
0063   +. TI 2021-02-11 11:09:50.0
0064     DC 07-FC EIS_MODE_CHG_ENA
0065     BC       (20)
0066   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0067     C. ********************************
0068     C. EIS END OBSTBL LOAD
0069     C. ********************************
0070     C.
0071   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0072     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0073   . S. DC-BC dcbc-402:DCBC
0074     (MDP_known_event)
0075     C.
0076     C.
0077   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0078   . S. DC-BC dcbc-153:DCBC
0079     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080     C.
0081     C.
0082   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0083     C.
0084   . C. *********** LOS ***********
0085     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-309 2021-02-11 14:56:38 98 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014     C.
0015     C. ************ XRT START ************
0016     C.
0017   +. DC 07-F0 MDP_XRT_CTRL_MANU
0018     BC       (c1)
0019   +  DC 07-F0 MDP_XRT_MODE_STBY
0020     BC       (c3)
0021   . C. ----------- Success Verify ?              OK / NG____
0022     C.
0023     C. XRT Obs. Table Upload
0024   . S. RAM   ram-291:MDP_OBS_X
0025     ()
0026     C.
0027   +. DC 07-F0 MDP_DUMP_XRTTBL
0028     BC       (84 07 00 00 00 3a d4)
0029   . C. ----------- Comparison Check ?                        OK / ERR ____
0030     C.
0031     C.
0032   +. DC 07-F0 MDP_XRT_ROI_SET
0033     BC       (cd 01 b1 b1 04 04)
0034   +  DC 07-F0 MDP_XRT_ROI_SET
0035     BC       (cd 02 b1 b1 08 08)
0036   +  DC 07-F0 MDP_XRT_ROI_SET
0037     BC       (cd 03 b1 b1 08 08)
0038   +  DC 07-F0 MDP_XRT_ROI_SET
0039     BC       (cd 04 b1 b1 06 06)
0040   +  DC 07-F0 MDP_XRT_ROI_SET
0041     BC       (cd 05 85 83 06 06)
0042   +  DC 07-F0 MDP_XRT_ROI_SET
0043     BC       (cd 06 85 83 06 06)
0044   +  DC 07-F0 MDP_XRT_ROI_SET
0045     BC       (cd 07 80 80 20 20)
0046   +  DC 07-F0 MDP_XRT_ROI_SET
0047     BC       (cd 08 80 80 20 08)
0048   +  DC 07-F0 MDP_XRT_ROI_SET
0049     BC       (cd 09 80 80 08 20)
0050   +  DC 07-F0 MDP_XRT_ROI_SET
0051     BC       (cd 0a 80 80 08 08)
0052   +  DC 07-F0 MDP_XRT_ROI_SET
0053     BC       (cd 0f 80 80 06 06)
0054   +  DC 07-F0 MDP_XRT_ROI_SET
0055     BC       (cd 10 80 80 08 08)
0056   +  DC 07-F0 MDP_XRT_FLD_ENA
0057     BC       (d8)
0058   +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0059     BC       (c8)
0060   +  DC 07-F0 MDP_XRT_ARS_DIS
0061     BC       (d5)
0062   +  DC 07-F0 MDP_XRT_AEC_RESET
0063     BC       (d0)
0064   +  DC 07-F0 MDP_XRT_FLD_RESET
0065     BC       (da)
0066   +. DC 07-F0 MDP_XRT_QT_PROG_SET
0067     BC       (c4 12)
0068   +. DC 07-F0 MDP_XRT_FL_PROG_SET
0069     BC       (c5 04)
0070   . C. ---------- Success Verify ?            OK / NG ____
0071     C.
0072     C.
0073   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0074     C.
0075   +. DC 07-F0 MDP_XRT_MODE_OBSV
0076     BC       (c2)
0077   +. TI 2021-02-11 11:09:02.0
0078     DC 07-F0 MDP_XRT_MODE_OBSV
0079     BC       (c2)
0080   . C. ---------- Success Verify ?            OK / NG ____
0081     C.
0082     C. ************ XRT END ***********
0083     C.
0084   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0085     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0086   . S. DC-BC dcbc-402:DCBC
0087     (MDP_known_event)
0088     C.
0089     C.
0090   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0091   . S. DC-BC dcbc-153:DCBC
0092     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0093     C.
0094     C.
0095   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
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0096     C.
0097   . C. ********** LOS **********
0098     C.
```

```
*** OP Sequence for XRT ***

2021/02/11  11:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  11:19:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  11:19:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2021/02/11  11:20:00.5  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 55 3f 01 f3
2021/02/11  11:20:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/11  11:20:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/11  11:20:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/11  11:20:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/11  11:20:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  11:22:56.0  XRT_QT_PROG_SET_405_OG [0x195]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0f
2021/02/11  11:22:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/11  11:23:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  15:39:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  15:39:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  15:39:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  15:42:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/11  15:50:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/11  15:51:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  17:14:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  17:14:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  17:14:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  17:17:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/11  17:37:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/11  17:38:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  17:53:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  17:53:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/11  17:53:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2021/02/11  17:53:46.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2021/02/11  17:53:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2021/02/11  17:53:50.0  XRT_ARS_DIS_432_OG [0x1b0]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/11  17:56:28.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2021/02/11  17:56:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  18:03:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  18:03:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  18:03:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/11  18:03:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 01 00 00 00 00
2021/02/11  18:03:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/11  18:03:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/11  18:03:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/11  18:03:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/11  18:03:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  18:06:26.0  XRT_QT_PROG_SET_442_OG [0x1ba]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2021/02/11  18:06:28.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/11  18:06:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  18:50:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  18:50:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  18:50:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
```

```
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  18:53:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/11  19:14:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/11  19:15:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  20:27:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  20:27:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  20:27:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  20:30:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/11  20:51:00.5  XRT_Custom_430_OG [0x1ae]
2021/02/11  20:52:00.5  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  22:05:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  22:05:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  22:05:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  22:08:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/11  22:28:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/11  22:29:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/11  23:42:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/11  23:42:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/11  23:42:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/11  23:45:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  00:02:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  00:03:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  01:19:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  01:19:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  01:19:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  01:22:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  01:26:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  01:27:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  02:25:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  02:25:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/12  02:25:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2021/02/12  02:25:46.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/12  02:25:48.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/12  02:25:50.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/12  02:25:52.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  02:25:54.0  XRT_FLD_RESET_429_OG [0x1ad]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  02:28:26.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2021/02/12  02:28:28.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/12  02:28:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  02:42:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  02:42:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  02:42:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  02:45:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  03:02:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  03:03:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  04:17:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  04:17:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  04:17:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  04:20:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  04:39:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  04:40:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
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                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  05:48:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  05:48:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  05:48:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  05:51:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  06:16:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  06:17:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  06:25:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  06:25:26.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/12  06:25:46.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2021/02/12  06:25:48.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2021/02/12  06:25:50.0  XRT_ARS_DIS_432_OG [0x1b0]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  06:28:28.0  XRT_QT_PROG_SET_407_OG [0x197]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2021/02/12  06:28:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  06:35:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  06:35:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  06:35:28.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/12  06:35:30.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 01 00 00 00 00
2021/02/12  06:35:48.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/12  06:35:50.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/12  06:35:52.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/12  06:35:54.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  06:35:56.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  06:38:26.0  XRT_QT_PROG_SET_441_OG [0x1b9]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2021/02/12  06:38:28.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/12  06:38:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  07:28:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  07:28:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  07:28:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  07:31:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  07:53:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  07:54:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  09:08:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  09:08:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  09:08:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  09:11:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  09:30:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  09:31:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  10:49:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  10:49:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  10:49:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  10:52:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  11:03:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  11:04:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  16:12:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  16:12:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  16:12:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  16:15:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  16:26:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  16:27:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
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                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  16:29:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  16:29:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  16:29:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  16:32:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  16:35:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  16:36:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  17:48:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  17:48:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  17:48:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  17:51:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  18:11:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  18:11:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/12  18:12:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2021/02/12  18:12:16.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2021/02/12  18:12:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2021/02/12  18:12:20.0  XRT_ARS_DIS_432_OG [0x1b0]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  18:14:58.0  XRT_QT_PROG_SET_407_OG [0x197]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2021/02/12  18:15:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  18:21:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  18:21:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  18:21:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/12  18:22:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 01 00 00 00 00
2021/02/12  18:22:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/12  18:22:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/12  18:22:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/12  18:22:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  18:22:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  18:24:56.0  XRT_QT_PROG_SET_442_OG [0x1ba]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2021/02/12  18:24:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/12  18:25:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  19:25:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  19:25:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  19:25:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  19:28:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  19:48:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  19:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  21:02:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  21:02:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  21:02:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  21:05:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  21:25:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  21:26:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  21:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  21:59:56.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2021/02/12  22:00:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                    AOCU_NM              5 02-76 04 03 74 01 f3
2021/02/12  22:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/12  22:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/12  22:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
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                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/12  22:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/12  22:00:24.0  XRT_FLD_RESET_429_OG [0x1ad]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  22:02:56.0  XRT_QT_PROG_SET_414_OG [0x19e]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 02
2021/02/12  22:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/12  22:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/12  22:39:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/12  22:39:32.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/12  22:39:34.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/12  22:42:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/12  23:02:00.0  XRT_Custom_430_OG [0x1ae]
2021/02/12  23:03:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  00:17:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  00:17:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/13  00:17:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/13  00:20:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/13  00:30:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/13  00:31:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  01:46:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  01:46:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/13  01:46:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/13  01:49:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/13  01:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  01:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/13  02:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2021/02/13  02:00:16.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2021/02/13  02:00:18.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2021/02/13  02:00:20.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2021/02/13  02:00:22.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/13  02:00:24.0  XRT_FLD_RESET_429_OG [0x1ad]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/13  02:02:56.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2021/02/13  02:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2021/02/13  02:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  03:16:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  03:16:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/13  03:16:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/13  03:19:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/13  03:36:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/13  03:37:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  04:44:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  04:44:02.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2021/02/13  04:44:04.0  XRT_PREFLR_STRT_417_OG [0x1a1]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2021/02/13  04:47:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2021/02/13  05:13:30.0  XRT_Custom_430_OG [0x1ae]
2021/02/13  05:14:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  05:56:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2021/02/13  05:56:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2021/02/13  05:57:16.0  XRT_FLD_DIS_409_OG [0x199]
                                        MDP_XRT_FLD_DIS      1 07-F0 d9
2021/02/13  05:57:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                        MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
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2021/02/13  05:57:20.0  XRT_ARS_DIS_432_OG [0x1b0]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2021/02/13  05:59:58.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 06
2021/02/13  06:00:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2021/02/13  06:07:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 01 00 00 00 00
2021/02/13  10:52:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
```