XRT Timeline to be uploaded on 2023/05/09

Period: 2023/05/09 11:51:00 - 2023/05/13 10:37:00

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

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

Term	Pointing (x, y)	Comment
05/09 12:04:00 - 05/09 16:17:00	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole
05/09 16:57:30 - 05/09 17:29:54	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole

PROG= 14 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 60-time(s) 60.0sec**
  - **Seqn= 24 1-time(s) 30.0sec**
    - Al-poly/Open Al-poly/Open close Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec

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

XOB #1CF8: Stray light study 2023-01; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)

Term	Pointing (x, y)	Comment
05/09 16:19:30 - 05/09 16:32:50	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole
05/09 17:57:30 - 05/09 18:19:54	Fixed (500.0, 0.0)	XRT stray light measurement
05/09 22:52:30 - 05/09 23:04:54	Fixed (-970.0, 0.0)	XRT stray light measurement
05/10 18:32:30 - 05/10 18:44:54	Fixed (300.0, 700.0)	XRT stray light measurement

PROG= 01 1-time(s)

- **Subr= 2 16-time(s) 2.0sec**
  - **Seqn= 43 1-time(s) 10.0sec**
    - Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
    - Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
- **Subr= 3 8-time(s) 2.0sec**
  - **Seqn= 64 1-time(s) 2.0sec**
    - Open/Al-mesh Open/Ti-poly close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
    - Al-poly/Open Al-poly/Open close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
  - **Seqn= 43 3-time(s) 10.0sec**
    - Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
    - Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (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 #1CEE: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(12/181/1443), Thin-Be(33/512/4096), Thick-Be(32768), Med-Al(512/8192/32768), Med-Be(128/57

Term	Pointing (x, y)	Comment
05/09 17:33:00 - 05/09 17:55:00	Fixed (0.0, 0.0)	synoptic, shifted -30.0 min
05/10 06:03:00 - 05/10 06:09:54	Fixed (0.0, 0.0)	synoptic
05/10 18:18:00 - 05/10 18:30:00	Fixed (0.0, 0.0)	synoptic, shifted 15.0 min
05/11 06:35:00 - 05/11 06:41:54	Fixed (0.0, 0.0)	synoptic, shifted 32.0 min

PROG= 03 1-time(s)

- **Subr= 1 1-time(s) 2.0sec**
  - **Seqn= 5 1-time(s) 2.0sec**
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
    - Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
  - **Seqn= 26 1-time(s) 2.0sec**
    - Open/Al-mesh Open/Al-mesh close Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - Open/Al-mesh Open/Al-mesh close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - **Seqn= 15 1-time(s) 2.0sec**
    - Al-poly/Open Al-poly/Open close Safe Norm 12ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 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/thick-Al close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
  - **Seqn= 83 1-time(s) 2.0sec**
    - thin-Be/Open thin-Be/Open close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - thin-Be/Open thin-Be/Open close Safe Norm 4.00s 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= 41 1-time(s) 2.0sec**
    - Open/thick-Be Open/thick-Be close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
  - **Seqn= 17 1-time(s) 2.0sec**
    - med-Al/Open med-Al/thick-Al close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - med-Al/Open med-Al/thick-Al close Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
    - med-Al/Open med-Al/Open close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

Seqn= 33 1-time(s) 2.0sec

med-Be/Open	Open/thick-Al	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
med-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
med-Be/Open	med-Be/Open	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 56 1-time(s) 2.0sec

Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

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

XOB #1C8D: Alignment with North Pole Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 5min cad

Term	Pointing (x, y)	Comment
05/09 18:35:00 - 05/09 20:19:54	Fixed (0.0, 930.0)	# Co-alignment N-limb

PROG= 13 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 23 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

Subr= 2 24-time(s) 300.0sec

Seqn= 69 1-time(s) 2.0sec

Al-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x1536 (1024, 768)	Q=95	0	0	2.0sec

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

XOB #1C8E: Alignment with East limb Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 8 min cad

Term	Pointing (x, y)	Comment
05/09 20:35:00 - 05/09 22:19:54	Fixed (-970.0, 0.0)	Co-alignment E-limb

PROG= 05 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 23 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

Subr= 2 15-time(s) 480.0sec

Seqn= 70 1-time(s) 2.0sec

Al-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	1536x2048 (1280, 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 #1CD7: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
05/09 23:23:31 - 05/10 03:36:30	Track (509.8, 220.6) @ 05/09 23:05:00	Track AR13296
05/10 19:08:01 - 05/11 03:59:54	Track (642.3, 213.0) @ 05/10 18:45:00	# Track AR13296

PROG= 19 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 92 1-time(s) 2.0sec

Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec

Subr= 2 5-time(s) 2.0sec

Seqn= 47 1-time(s) 2.0sec

Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec

Seqn= 96 4-time(s) 180.0sec

Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec

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

XOB #1CCF: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[12/181/1443], thin-Be[24/512/3897] with 512x512 G-band+Leak - 72min cad) + CME wa

Term	Pointing (x, y)	Comment
05/10 04:16:00 - 05/10 05:59:54	Fixed (0.0, 0.0)	HOP349
05/11 04:03:00 - 05/11 06:31:54	Fixed (0.0, 0.0)	HOP349

PROG= 17 Inf.-time(s)

Subr= 1 1-time(s) 300.0sec

Seqn= 55 1-time(s) 2.0sec

Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 15 1-time(s) 2.0sec

Al-poly/Open	Al-poly/Open	close	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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/thick-Al	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 79 1-time(s) 2.0sec

thin-Be/Open	thin-Be/Open	close	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 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 15-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= 74 1-time(s) 2.0sec												
med-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
med-Be/Open	med-Be/Open	close	Safe	Norm	2.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	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 #1CFB: HOP401/402 (Morphology with Al/poly long/short pairs) with PFB, 512x512 at 1064 1048, with G-band (1ms/1ms leak), 90s cad

Term	Pointing (x, y)	Comment
05/10 06:13:00 - 05/10 18:14:54	Track (560.0, 218.0) @ 05/10 06:10:00	# Track AR13296 + HOP401 (8-10UT)
05/11 06:45:00 - 05/11 10:26:00	Track (711.3, 207.8) @ 05/11 06:42:00	# Track AR13296 + HOP401 (8-10UT)

PROG= 11 Inf.-time(s)												
Subr= 1 1-time(s) 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
Seqn= 82 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Dark	1.00s	Obs	1x1	512x512 (1064, 1048)	DPCM	0	0	2.0sec
Subr= 2 20-time(s) 90.0sec												
Seqn= 94 1-time(s) 30.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	512x512 (1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 58 1-time(s) 2.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
Seqn= 48 1-time(s) 2.0sec												
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	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
05/09 12:04:00 - 05/09 16:17:00	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole
05/09 16:57:30 - 05/09 17:29:54	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole
05/09 23:23:31 - 05/10 03:36:30	Track (509.8, 220.6) @ 05/09 23:05:00	Track AR13296
05/10 04:16:00 - 05/10 05:59:54	Fixed (0.0, 0.0)	HOP349
05/10 06:13:00 - 05/10 18:14:54	Track (560.0, 218.0) @ 05/10 06:10:00	# Track AR13296 + HOP401 (8-10UT)
05/10 19:08:01 - 05/11 03:59:54	Track (642.3, 213.0) @ 05/10 18:45:00	# Track AR13296
05/11 04:03:00 - 05/11 06:31:54	Fixed (0.0, 0.0)	HOP349
05/11 06:45:00 - 05/11 10:26:00	Track (711.3, 207.8) @ 05/11 06:42:00	# Track AR13296 + HOP401 (8-10UT)

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** * * * * *

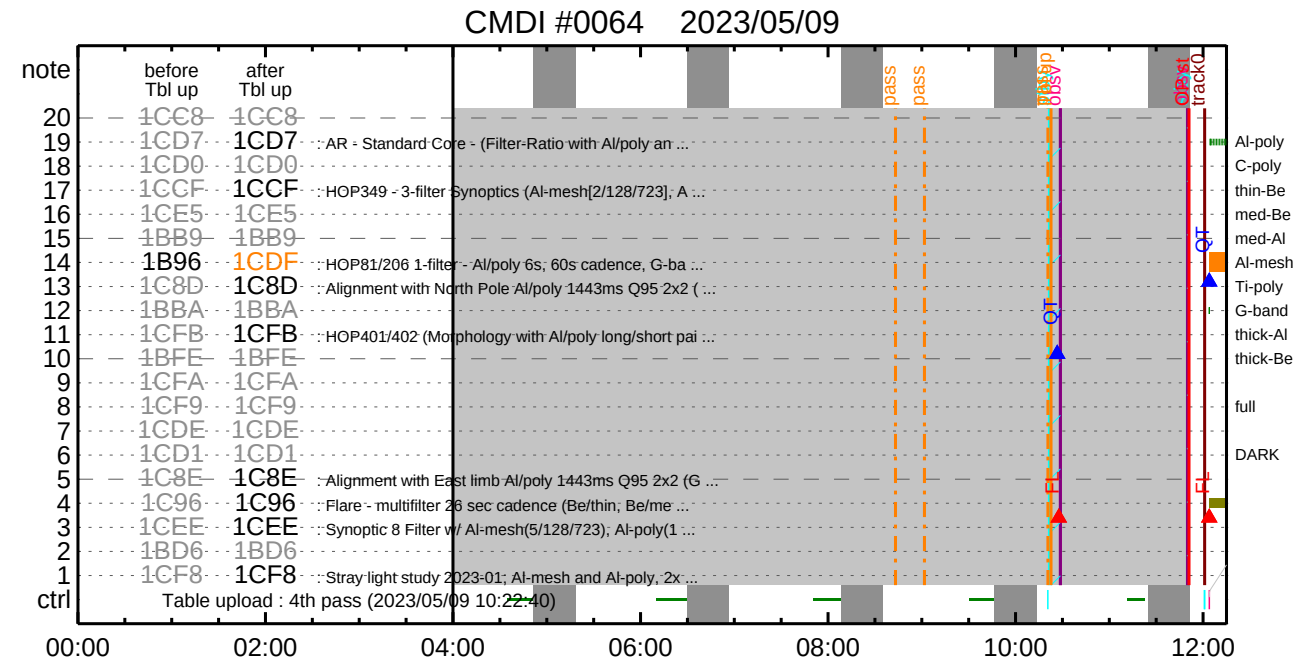
NOT USED

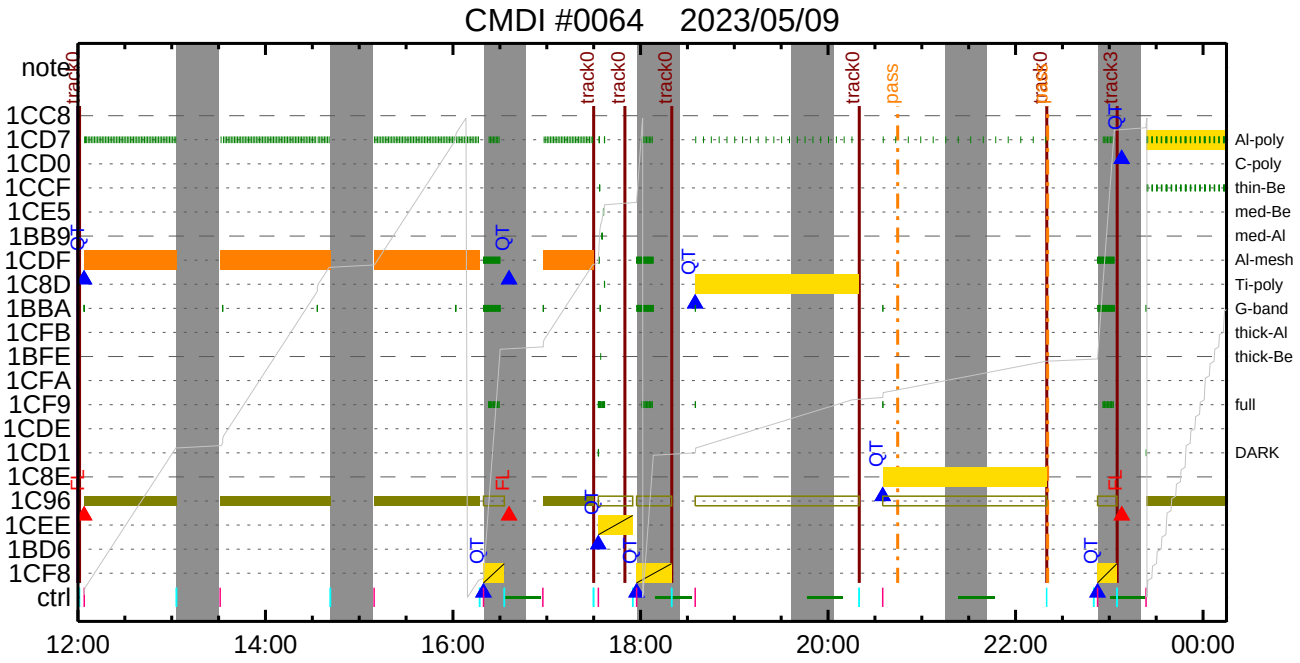
* * * * * **Flare Detection** * * * * *

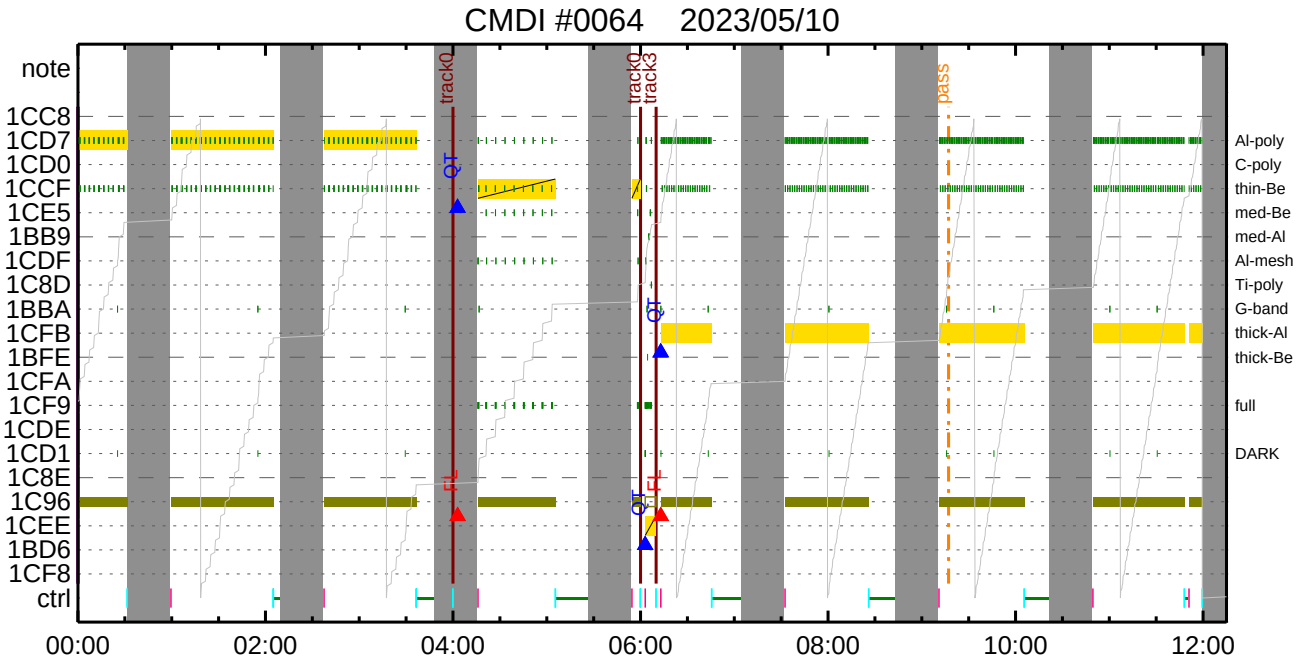
FLD Patrol

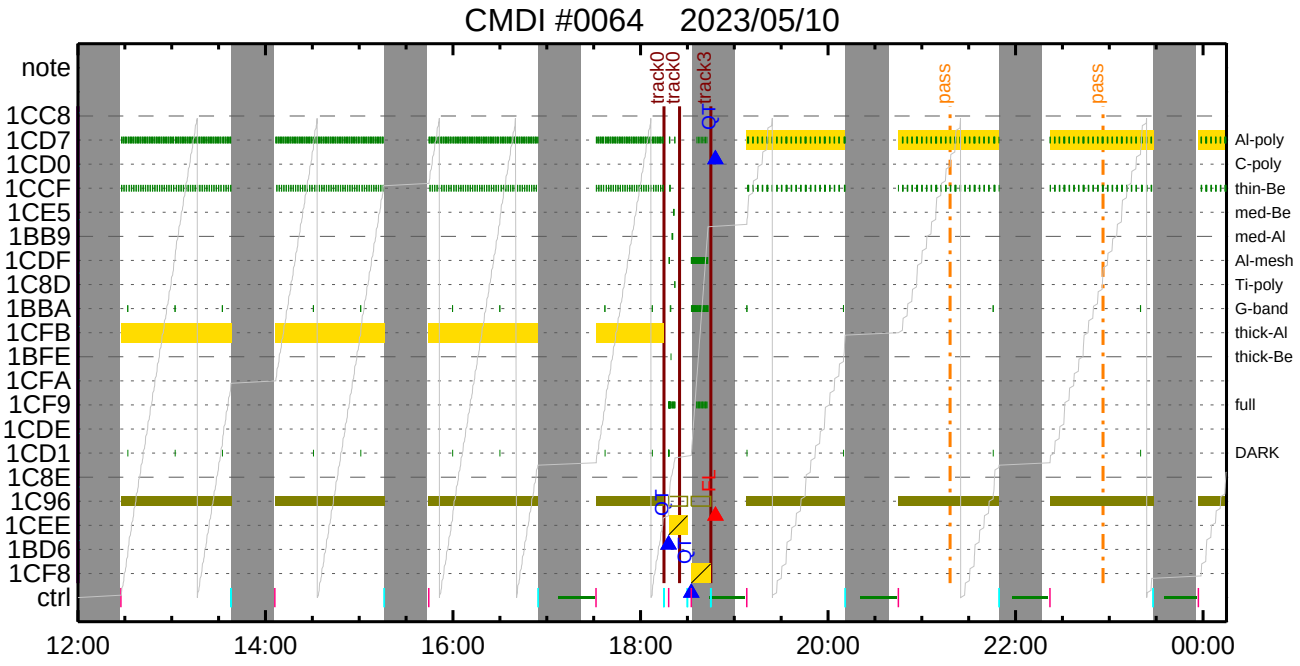
Term	Pointing (x, y)	Comment
05/09 10:23:40 - 05/09 16:17:24	cannot be identified	
05/09 16:33:14 - 05/09 17:30:18	Fixed (-21.0, 849.0)	# OP start + 10min: HOP81 N-pole
05/09 23:05:18 - 05/10 06:00:18	Track (509.8, 220.6) @ 05/09 23:05:00	Track AR13296
05/10 06:10:18 - 05/10 18:15:18	Track (560.0, 218.0) @ 05/10 06:10:00	# Track AR13296 + HOP401 (8-10UT)
05/10 18:45:18 - 05/11 06:32:18	Track (642.3, 213.0) @ 05/10 18:45:00	# Track AR13296
05/11 06:42:18 - 05/13 10:37:00	Track (711.3, 207.8) @ 05/11 06:42:00	# Track AR13296 + HOP401 (8-10UT)

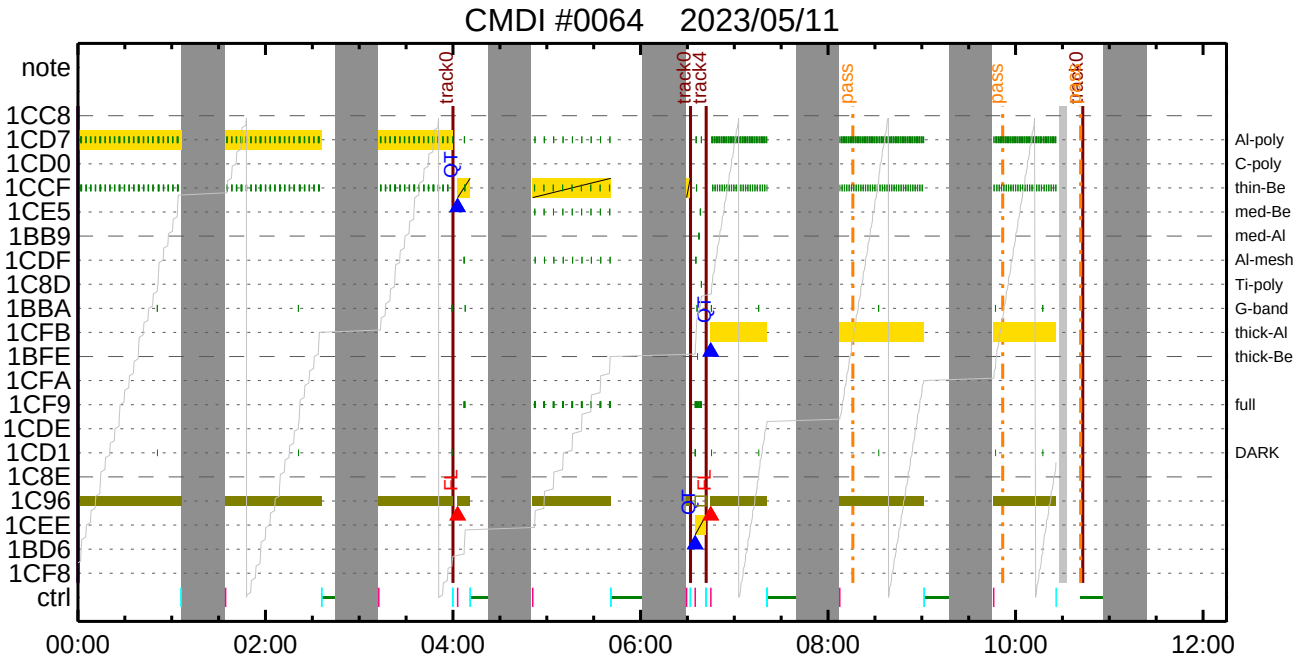
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50		30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

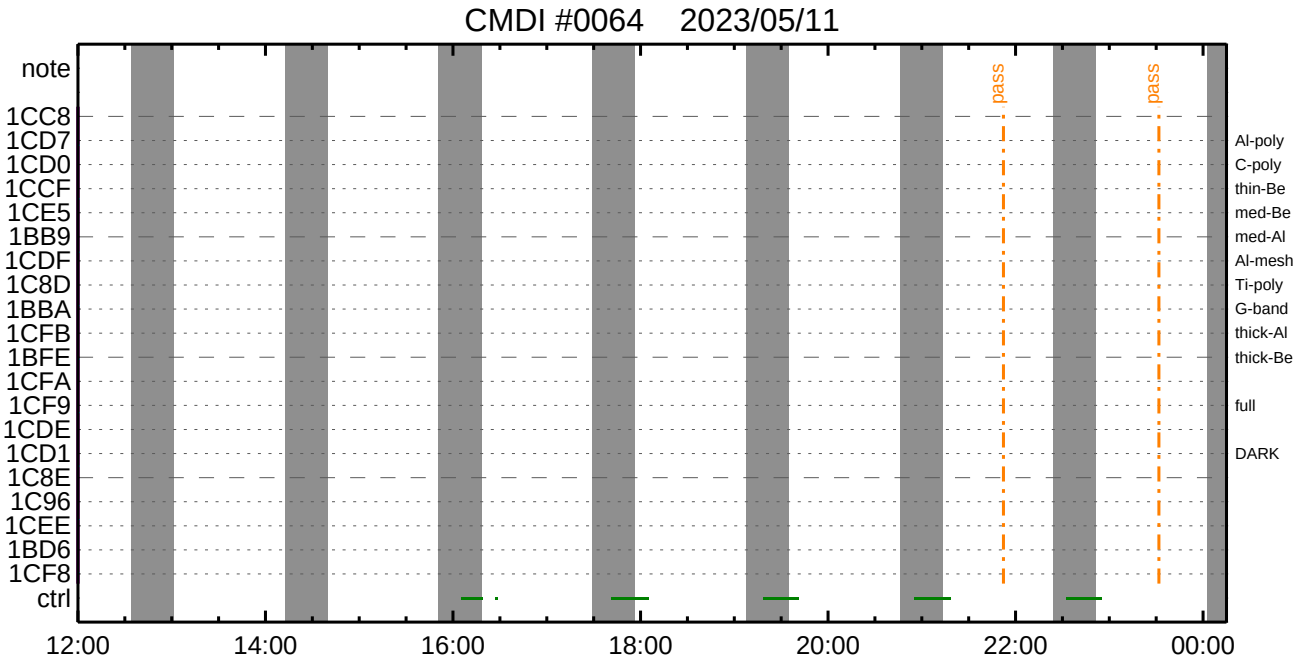

CMDI #0064 2023/05/09
note
before Tbl up
after Tbl up
20 1CC8 1CC8
19 1CD7 1CD7 : AR - Standard Core - (Filter-Ratio with Al/poly an ...
18 1CD0 1CD0
17 1CCF 1CCF : HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], A ...
16 1CE5 1CE5
15 1BB9 1BB9
14 1B96 1CDF : HOP81/206 1-filter - Al/poly 6s, 60s cadence, G-ba ...
13 1C8D 1C8D : Alignment with North Pole Al/poly 1443ms Q95 2x2 (...
12 1BBA 1BBA
11 1CFB 1CFB : HOP401/402 (Morphology with Al/poly long/short pai ...
10 1BFE 1BFE
9 1CFA 1CFA
8 1CF9 1CF9
7 1CDE 1CDE
6 1CD1 1CD1
5 1C8E 1C8E : Alignment with East limb Al/poly 1443ms Q95 2x2 (G ...
4 1C96 1C96 : Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
3 1CEE 1CEE : Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(1 ...
2 1BD6 1BD6
1 1CF8 1CF8 : Stray light study 2023-01; Al-mesh and Al-poly, 2x ...
ctrl Table upload : 4th pass (2023/05/09 10:22:40)
pass
pass
pass
obsv
QP st
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

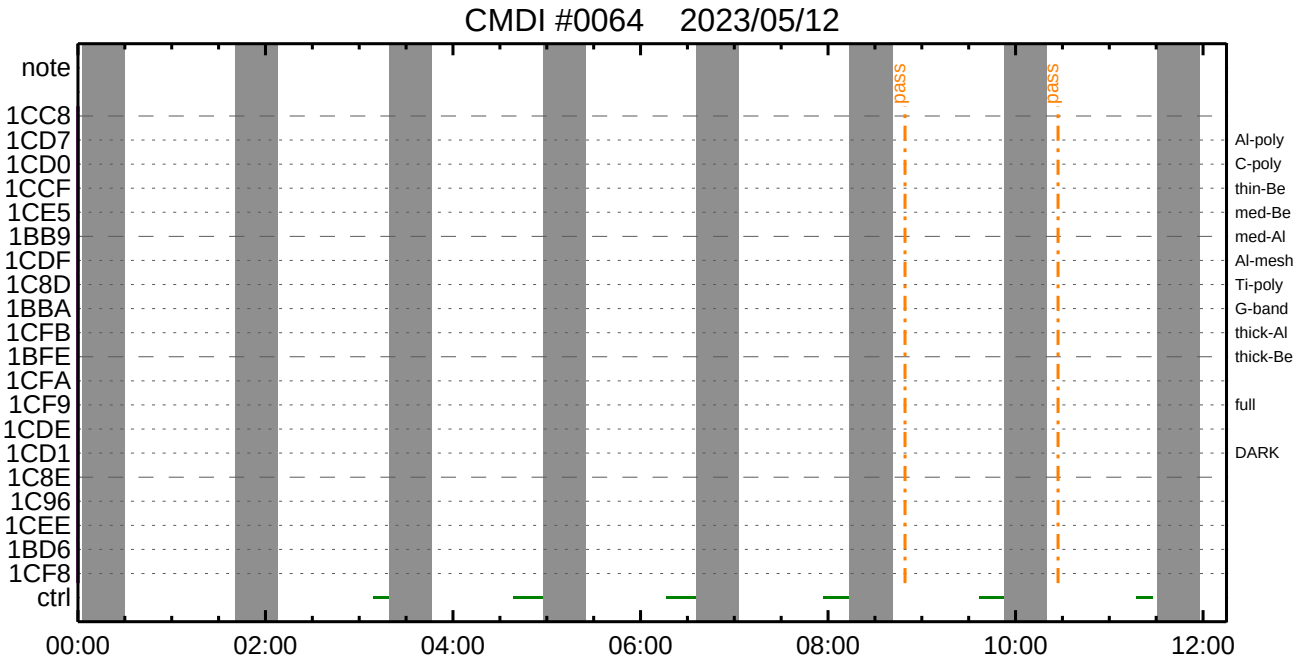

CMDI #0064 2023/05/09
note
track0
track0
track0
track0
track0
pass
track0
track3
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

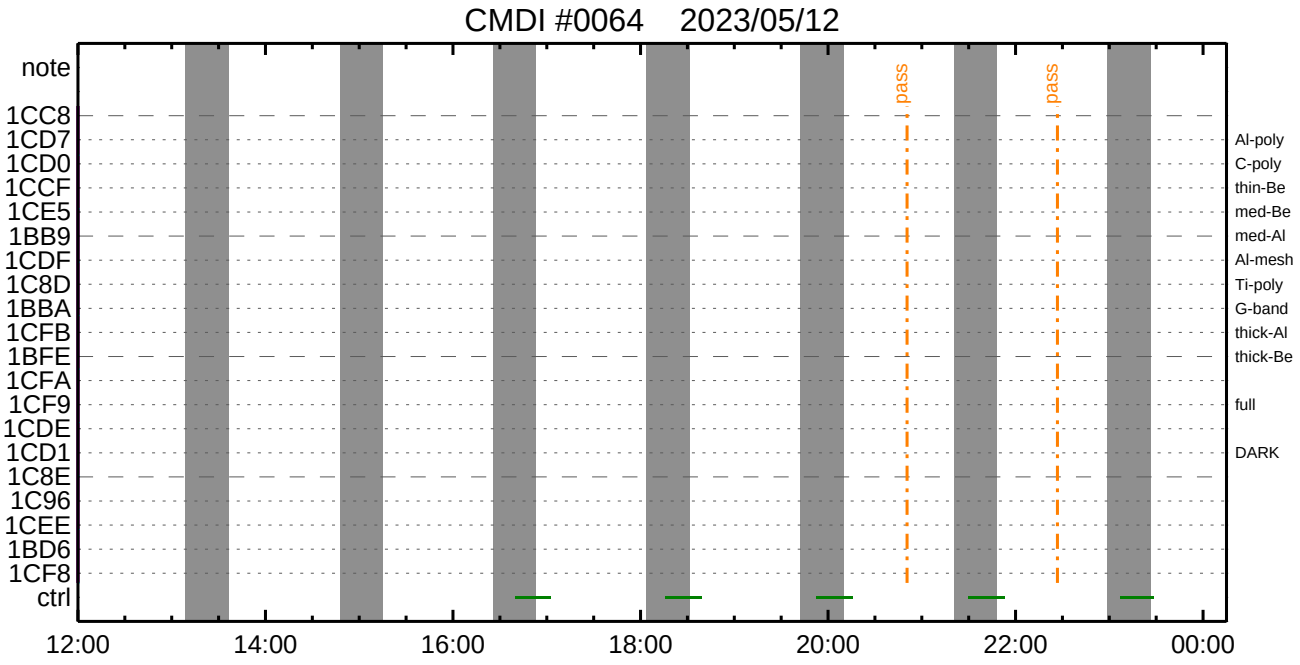

CMDI #0064 2023/05/10
note
track0
track0
track3
pass
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

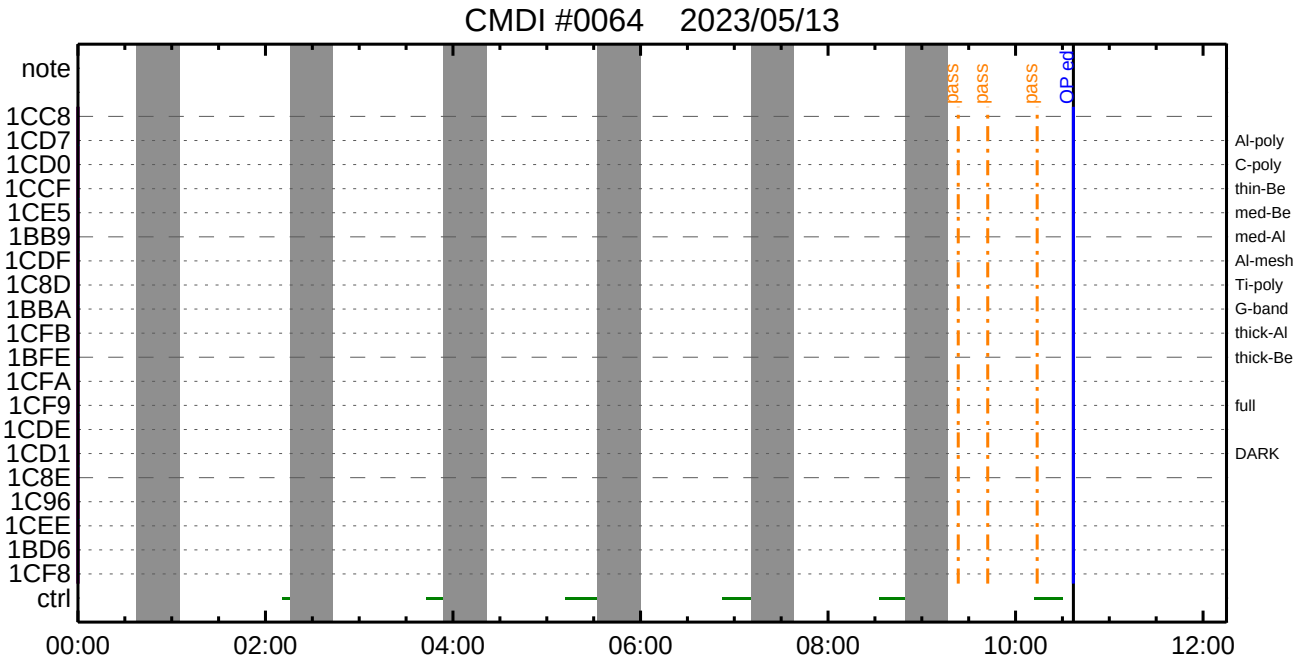

CMDI #0064 2023/05/10
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
ctrl
track0
track0
track3
pass
pass
QT
QT
QT
FL
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

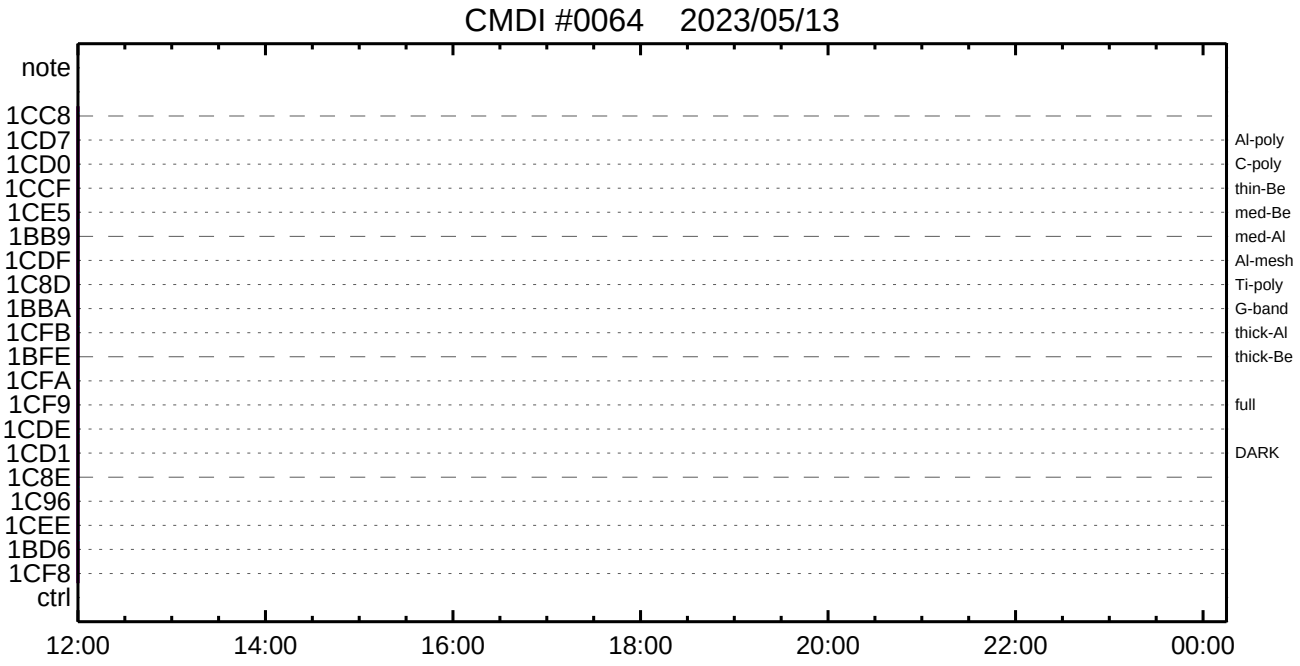

CMDI #0064 2023/05/11
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
ctrl
track0
track0
track4
pass
pass
track0
QT
QT
QT
FL
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0064 2023/05/11
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
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 #0064 2023/05/12
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
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
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0064 2023/05/12
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
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 #0064 2023/05/13
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
ctrl
pass
pass
pass
OP ed
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 #0064 2023/05/13
note
1CC8
1CD7
1CD0
1CCF
1CE5
1BB9
1CDF
1C8D
1BBA
1CFB
1BFE
1CFA
1CF9
1CDE
1CD1
1C8E
1C96
1CEE
1BD6
1CF8
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

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

main-840 2023-05-09 15:19:24 205 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-840:OP
0020     ()
0021   . S. OG    og-840: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 2023-05-09 11:46:00.0
0100     DC 01-B3 DHU_OP_STOP
0101     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0102     C.
0103   +. TI 2023-05-09 11:46:01.0
0104     DC 01-B4 DHU_OP_COPY
0105     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0106     C.
0107   +. TI 2023-05-09 11:46:01.0
0108     DC 01-B5 DHU_OPOG_COPY
0109     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0110     C.
0111   +. TI 2023-05-09 11:50:59.5
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. ******************************
0155     C.  SOT TI command set
0156     C. ******************************
0157     C. Execute, after the success of OP upload.
0158   +. TI 2023-05-09 11:50:16.0
0159     DC 07-F0 MDP_SOT_MODE_STBY
0160     BC       (41)
0161   . C. ------------------------------------
0162     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0163     C. ------------------------------------
0164     C. ************ SOT END ***********
0165   . C. Stop EIS observation and temporarily disable EIS mode changes
0166     C.
0167     C.
0168     C. ********** Start EIS operation (TI set) **********
0169     C. Execute, after the success of OP upload.
0170     C. Set EIS TI-commands
0171   +. TI 2023-05-09 11:50:30.0
0172     DC 07-FC EIS_MODE_MANU
0173     BC       (21 02)
0174   +. TI 2023-05-09 11:50:40.0
0175     DC 07-FC EIS_MODE_CHG_DIS
0176     BC       (22)
0177   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
0178     C. ************ End EIS operation (TI set) ***********
0179     C.
0180     C.
0181     C.
0182     C. ************ XRT START ***********
0183     C. Execute, after the success of OP upload.
0184   +. TI 2023-05-09 11:50:00.0
0185     DC 07-F0 MDP_XRT_MODE_STBY
0186     BC       (c3)
0187   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
0188     C.
0189     C. ************ XRT END ***********
0190     C.
0191   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0192     C. (¾å°Ì¥Ó¥Ã¥Ë¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0193   . S. DC-BC dcbc-402:DCBC
```

```
0194     (MDP_known_event)
0195     C.
0196     C.
0197   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0198   . S. DC-BC dcbc-153:DCBC
0199     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200     C.
0201     C.
0202   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0203     C.
0204   . C. ********** LOS **********
0205     C.
```

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

main-841 2023-05-09 15:19:24 178 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¡ËËè½µ•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. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇºÎ»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
0018     C.
0019   +. DC 03-B4 TCIA_XPA_ON/HI
0020     M. WAIT_SEC   1
0021   +  DC 03-84 TCIA_XMOD_ON
0022     M. WAIT_SEC   1
0023   +  DC 03-95 TCIA_XMOD_QPSK
0024     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
0037   +. DC 01-29 DHU_S/X_VC4_OFF
0038   +  DC 06-C8 DR_PT1_REP_SEL
0039     BC       (01 00)
0040   +  DC 06-B3 DR_REP_START
0041   +  DC 01-32 DHU_X_VC4_ON
0042     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸¸å¡¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Äº²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
0063   +. DC 01-29 DHU_S/X_VC4_OFF
0064   +  DC 06-C8 DR_PT2_REP_SEL
0065     BC       (02 00)
0066   +  DC 06-B3 DR_REP_START
0067   +  DC 01-32 DHU_X_VC4_ON
0068     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Äº²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098   . C. ***** AOCS Commands (Tracking Curve Upload) ******
0099     C. Upload the Orbit Element and the Target Attitude
0100     C. RAM-ID:TARGET_ATT
0101   . S. RAM   ram-150:TARGET_ATT
0102     ()
0103     C.
0104     C.
0105     C. Set the dump memory area of TARGET_ATT
0106   +. DC 02-48 AOCU_DUMP_SET
0107     BC       (07 00 00 00 18 00)
0108     C.
0109     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110     C.
0111     C.
0112     C. Change the TLMFormatNo for the AOCS Dump Format
0113   +. DC 01-22 DHU_MODE_CHNG
0114     BC       (04 0b f8)
0115     C.
0116     C. Wait for AOCSDUMP to end
0117     C.
0118   . C. Check the dump memory
0119     C.
0120     C.                                      Result = OK [ ]
0121     C.
0122   +. DC 01-22 DHU_MODE_CHNG
0123     BC       (02 0a f8)
0124     C.
0125     C.                         <A_***>[TLM STS] FMT = 2 [ ]
0126     C.
0127   +. DC 02-8E AOCU_ORB_UPD
0128    . C.
0129    . C. ***** AOCS Commands (Orbital Element Update) *****
0130     C. Update the orbital element
0131   +. DC 02-50 AOCU_ORB_PRPGT_START
0132     BC       (16)
0133   +  DC 02-8E AOCU_ORB_UPD
0134     C.
0135     C.       <A_ORB>[ORBIT] EPC = 4160815.7 +- 1.0 (s) [ ]
0136     C.
0137    . C.
0138    . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139   +. DC 07-FC EIS_MODE_CHG_ENA
0140     BC       (20)
0141    . C. Verify EIS_MODE_CHG_FLG is ENA
0142   +. DC 07-FC EIS_MODE_MANU
0143     BC       (21 02)
0144    . C. Verify EIS in MANUAL mode
0145    . C. Estimated OBSTBL upload time is 39s
0146     C. ********************************
0147     C. EIS START OBSTBL LOAD
0148     C. ********************************
0149    . S. RAM   ram-820:EIS_OBSTBL
0150     ()
0151   +. DC 07-FC EIS_DUMP_OBSTBL
0152     BC       (07 07 07 00 00 70 00)
0153     C.
0154     C. Execute, after the success of OBSTBL upload.
0155     C. Set EIS TI-commands
0156   +. TI 2023-05-09 11:50:50.0
0157     DC 07-FC EIS_MODE_CHG_ENA
0158     BC       (20)
0159    . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0160     C. ********************************
0161     C. EIS END OBSTBL LOAD
0162     C. ********************************
0163     C.
0164    . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0165     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0166    . S. DC-BC dcbc-402:DCBC
0167     (MDP_known_event)
0168     C.
0169     C.
0170    . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0171    . S. DC-BC dcbc-153:DCBC
0172     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173     C.
0174     C.
0175    . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0176     C.
0177    . C. ********** LOS **********
0178     C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-842 2023-05-09 15:19:24 29 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. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0016     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0017   . S. DC-BC dcbc-402:DCBC
0018     (MDP_known_event)
0019     C.
0020     C.
0021   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0022   . S. DC-BC dcbc-153:DCBC
0023     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024     C.
0025     C.
0026   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0027     C.
0028   . C. *********** LOS ***********
0029     C.
```

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

main-843 2023-05-09 15:19:24 222 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¡ËËè½µ•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. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇºÎ»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
0018     C.
0019   +. DC 03-B4 TCIA_XPA_ON/HI
0020     M. WAIT_SEC   1
0021   +  DC 03-84 TCIA_XMOD_ON
0022     M. WAIT_SEC   1
0023   +  DC 03-95 TCIA_XMOD_QPSK
0024     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
0037   +. DC 01-29 DHU_S/X_VC4_OFF
0038   +  DC 06-C8 DR_PT1_REP_SEL
0039     BC       (01 00)
0040   +  DC 06-B3 DR_REP_START
0041   +  DC 01-32 DHU_X_VC4_ON
0042     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Ä°²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
0063   +. DC 01-29 DHU_S/X_VC4_OFF
0064   +  DC 06-C8 DR_PT2_REP_SEL
0065     BC       (02 00)
0066   +  DC 06-B3 DR_REP_START
0067   +  DC 01-32 DHU_X_VC4_ON
0068     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098   . C. ********************************
0099     C.  SOT table upload
0100     C. ********************************
0101   . C. < Stop SP table >
0102  +. DC 07-F0 MDP_SP_CTRL_MANU
0103     BC       (61)
0104     C. ------------------------------------
0105     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0106     C. ------------------------------------
0107     C.
0108   . C. <Upload SP Observation Table>
0109   . S. RAM   ram-282:MDP_OBS_S
0110     ()
0111     C.
0112   . C. < Dump RAMID=MDP_OBS_S >
0113  +. DC 07-F0 MDP_DUMP_SPTBL
0114     BC       (83 07 00 00 00 38 b8)
0115     C. ------------------------------------
0116     C.  MDP_OBS_S verify = OK/NG        [ ]
0117     C. ------------------------------------
0118     C.
0119     C. ********************************
0120     C.  SOT TI command set
0121     C. ********************************
0122     C. Execute, after the success of TBL upload.
0123  +. TI 2023-05-09 11:50:18.0
0124     DC 07-F0 MDP_SOT_MODE_OBSV
0125     BC       (40)
0126   . C. ------------------------------------
0127     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0128     C. ------------------------------------
0129     C.
0130     C.
0131     C. ************ XRT START ************
0132     C.
0133  +. DC 07-F0 MDP_XRT_CTRL_MANU
0134     BC       (c1)
0135  +  DC 07-F0 MDP_XRT_MODE_STBY
0136     BC       (c3)
0137   . C. ------------ Success Verify ?              OK / NG____
0138     C.
0139     C. XRT Obs. Table Upload
0140   . S. RAM   ram-291:MDP_OBS_X
0141     ()
0142     C.
0143  +. DC 07-F0 MDP_DUMP_XRTTBL
0144     BC       (84 07 00 00 00 3a d4)
0145   . C. ------------ Comparison Check ?                        OK / ERR ____
0146     C.
0147     C.
0148  +. DC 07-F0 MDP_XRT_ROI_SET
0149     BC       (cd 01 b1 b1 04 04)
0150  +  DC 07-F0 MDP_XRT_ROI_SET
0151     BC       (cd 02 b1 b1 08 08)
0152  +  DC 07-F0 MDP_XRT_ROI_SET
0153     BC       (cd 03 b1 b1 08 08)
0154  +  DC 07-F0 MDP_XRT_ROI_SET
0155     BC       (cd 04 b1 b1 06 06)
0156  +  DC 07-F0 MDP_XRT_ROI_SET
0157     BC       (cd 05 85 83 06 06)
0158  +  DC 07-F0 MDP_XRT_ROI_SET
0159     BC       (cd 06 85 83 08 08)
0160  +  DC 07-F0 MDP_XRT_ROI_SET
0161     BC       (cd 07 85 83 06 06)
0162  +  DC 07-F0 MDP_XRT_ROI_SET
0163     BC       (cd 08 80 80 20 20)
0164  +  DC 07-F0 MDP_XRT_ROI_SET
0165     BC       (cd 09 80 80 06 06)
0166  +  DC 07-F0 MDP_XRT_ROI_SET
0167     BC       (cd 0a 80 80 20 08)
0168  +  DC 07-F0 MDP_XRT_ROI_SET
0169     BC       (cd 0b 80 80 08 20)
0170  +  DC 07-F0 MDP_XRT_ROI_SET
0171     BC       (cd 0c 80 60 20 18)
0172  +  DC 07-F0 MDP_XRT_ROI_SET
0173     BC       (cd 0d a0 80 18 20)
0174  +  DC 07-F0 MDP_XRT_ROI_SET
0175     BC       (cd 0e 80 80 08 08)
0176  +  DC 07-F0 MDP_XRT_ROI_SET
0177     BC       (cd 0f 80 80 06 06)
0178  +  DC 07-F0 MDP_XRT_ROI_SET
0179     BC       (cd 10 80 80 08 08)
0180  +  DC 07-F0 MDP_XRT_FLD_ENA
0181     BC       (d8)
0182  +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0183     BC       (c8)
0184  +  DC 07-F0 MDP_XRT_ARS_DIS
0185     BC       (d5)
0186  +  DC 07-F0 MDP_XRT_AEC_RESET
0187     BC       (d0)
0188  +  DC 07-F0 MDP_XRT_FLD_RESET
0189     BC       (da)
0190  +. DC 07-F0 MDP_XRT_QT_PROG_SET
0191     BC       (c4 0b)
0192  +. DC 07-F0 MDP_XRT_FL_PROG_SET
0193     BC       (c5 04)
```

```
0194   . C. ---------- Success Verify ?           OK / NG ____
0195     C.
0196     C.
0197   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0198     C.
0199  +. DC 07-F0 MDP_XRT_MODE_OBSV
0200     BC       (c2)
0201  +. TI 2023-05-09 11:50:02.0
0202     DC 07-F0 MDP_XRT_MODE_OBSV
0203     BC       (c2)
0204   . C. ---------- Success Verify ?           OK / NG ____
0205     C.
0206     C. ************ XRT END ***********
0207     C.
0208   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0209     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0210   . S. DC-BC dcbc-402:DCBC
0211     (MDP_known_event)
0212     C.
0213     C.
0214   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0215   . S. DC-BC dcbc-153:DCBC
0216     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0217     C.
0218     C.
0219   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0220     C.
0221   . C. ********** LOS **********
0222     C.
```

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

2023/05/09  12:00:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  12:00:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  12:00:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/09  12:01:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 b4 8c 01 db
2023/05/09  12:01:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/09  12:01:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/09  12:01:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/09  12:01:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  12:01:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/09  12:03:56.0  XRT_QT_PROG_SET_422_OG [0x1a6]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0e
2023/05/09  12:03:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/09  12:04:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  13:03:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  13:03:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  13:03:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/09  13:03:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/09  13:06:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/09  13:30:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/09  13:31:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  14:41:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  14:41:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  14:41:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/09  14:41:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/09  14:44:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/09  15:08:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/09  15:09:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  16:17:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  16:17:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  16:17:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/09  16:17:24.0  XRT_FLD_DIS_435_OG [0x1b3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  16:19:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  16:19:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  16:19:28.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2023/05/09  16:19:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  16:32:50.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  16:32:52.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  16:32:54.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/09  16:33:14.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/09  16:33:16.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/09  16:33:18.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/09  16:33:20.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  16:33:22.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/09  16:35:52.0  XRT_QT_PROG_SET_422_OG [0x1a6]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0e
2023/05/09  16:35:54.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/09  16:56:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/09  16:57:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  17:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2023/05/09  17:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  17:29:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/09  17:30:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2023/05/09  17:30:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  17:30:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  17:30:22.0  XRT_ARS_DIS_401_OG [0x191]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  17:32:58.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2023/05/09  17:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  17:50:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 00 00 d3 8e
2023/05/09  17:55:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  17:55:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  17:55:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/09  17:55:24.0  XRT_FLD_DIS_435_OG [0x1b3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  17:57:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  17:57:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  17:57:28.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2023/05/09  17:57:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  18:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  18:19:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  18:19:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/09  18:20:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM              5 02-76 00 ad 59 00 00
2023/05/09  18:20:18.0  XRT_FLD_DIS_426_OG [0x1aa]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  18:34:54.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  18:34:56.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  18:34:58.0  XRT_QT_PROG_SET_432_OG [0x1b0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2023/05/09  18:35:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  20:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  20:19:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  20:19:58.0  XRT_FOCUS_POSITION_433_OG [0x1b1]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/09  20:20:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 00 00 00 56 35
2023/05/09  20:20:18.0  XRT_FLD_DIS_426_OG [0x1aa]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  20:34:54.0  XRT_ARS_DIS_427_OG [0x1ab]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  20:34:56.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  20:34:58.0  XRT_QT_PROG_SET_403_OG [0x193]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2023/05/09  20:35:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  22:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  22:20:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 00 00 00 56 35
2023/05/09  22:50:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  22:50:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  22:50:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/09  22:50:24.0  XRT_FLD_DIS_435_OG [0x1b3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/09  22:52:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/09  22:52:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  22:52:28.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2023/05/09  22:52:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/09  23:04:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  23:04:56.0  XRT_CTRL_MANU_402_OG [0x192]
```

```
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/09  23:04:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/09  23:05:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                        AOCU_NM              5 02-76 03 04 8b 01 db
2023/05/09  23:05:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/09  23:05:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/09  23:05:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/09  23:05:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/09  23:05:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/09  23:07:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2023/05/09  23:07:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/09  23:22:31.0  XRT_Custom_430_OG [0x1ae]
2023/05/09  23:23:31.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  00:31:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  00:31:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  00:31:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  00:31:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  00:34:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  00:58:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  00:59:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  02:05:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  02:05:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  02:05:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  02:05:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  02:08:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  02:36:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  02:37:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  03:36:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  03:36:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  03:36:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  03:36:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  03:39:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/10  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2023/05/10  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/10  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/10  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/10  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  04:02:56.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2023/05/10  04:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/10  04:15:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  04:16:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  05:05:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  05:05:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  05:05:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  05:05:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  05:08:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
```

```
2023/05/10  05:53:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  05:54:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  05:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  05:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  05:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/10  06:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2023/05/10  06:00:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/10  06:00:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/10  06:00:22.0  XRT_ARS_DIS_401_OG [0x191]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  06:02:58.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2023/05/10  06:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  06:09:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  06:09:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  06:09:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/10  06:10:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM              5 02-76 03 04 8b 01 db
2023/05/10  06:10:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/10  06:10:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/10  06:10:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/10  06:10:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  06:10:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  06:12:56.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2023/05/10  06:12:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/10  06:13:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  06:45:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  06:45:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  06:45:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  06:45:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  06:48:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  07:31:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  07:32:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  08:26:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  08:26:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  08:26:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  08:26:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  08:29:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  09:10:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  09:11:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  10:05:30.5  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  10:05:33.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  10:05:35.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  10:05:37.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  10:08:45.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  10:48:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  10:49:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  11:48:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  11:48:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  11:48:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  11:48:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  11:50:00.0  XRT_Custom_430_OG [0x1ae]
```

```
2023/05/10  11:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  11:51:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  11:59:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  11:59:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  11:59:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  11:59:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  12:02:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  12:26:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  12:27:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  13:38:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  13:38:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  13:38:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  13:38:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  13:41:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  14:05:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  14:06:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  15:16:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  15:16:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  15:16:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  15:16:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  15:19:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  15:43:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  15:44:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  16:54:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  16:54:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  16:54:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  16:54:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  16:57:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  17:30:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  17:31:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  18:14:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:14:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:14:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/10  18:15:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2023/05/10  18:15:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/10  18:15:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/10  18:15:22.0  XRT_ARS_DIS_401_OG [0x191]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  18:17:58.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2023/05/10  18:18:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  18:25:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 00 c1 cb e5 59
2023/05/10  18:30:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:30:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:30:04.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/10  18:30:24.0  XRT_FLD_DIS_435_OG [0x1b3]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/10  18:32:24.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/10  18:32:26.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  18:32:28.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2023/05/10  18:32:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  18:44:54.0  XRT_CTRL_MANU_402_OG [0x192]
```

```
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:44:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  18:44:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/10  18:45:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                        AOCU_NM              5 02-76 03 04 8b 01 db
2023/05/10  18:45:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/10  18:45:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/10  18:45:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/10  18:45:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/10  18:45:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  18:47:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 13
2023/05/10  18:47:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/10  19:07:01.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  19:08:01.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  20:11:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  20:11:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  20:11:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  20:11:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  20:14:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  20:44:01.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  20:45:01.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  21:49:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  21:49:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  21:49:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  21:49:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  21:52:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  22:21:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  22:22:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/10  23:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  23:28:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/10  23:28:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/10  23:28:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/10  23:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/10  23:56:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/10  23:57:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  01:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  01:06:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  01:06:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  01:06:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  01:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  01:33:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  01:34:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  02:36:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  02:36:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  02:36:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  02:36:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  02:39:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  03:11:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  03:12:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
```

```
2023/05/11  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/11  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2023/05/11  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/11  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/11  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/11  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/11  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  04:02:56.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2023/05/11  04:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/11  04:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  04:11:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  04:11:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  04:11:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  04:11:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  04:14:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  04:50:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  04:51:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  05:41:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  05:41:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  05:41:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  05:41:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  05:44:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  06:28:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  06:29:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  06:31:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  06:31:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  06:31:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2023/05/11  06:32:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2023/05/11  06:32:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2023/05/11  06:32:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2023/05/11  06:32:22.0  XRT_ARS_DIS_401_OG [0x191]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/11  06:34:58.0  XRT_QT_PROG_SET_444_OG [0x1bc]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 03
2023/05/11  06:35:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  06:41:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  06:41:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  06:41:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2023/05/11  06:42:00.0  AOCS_ORe-point_Start_8_OG [0x09e]
                                AOCU_NM              5 02-76 04 04 8b 01 db
2023/05/11  06:42:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2023/05/11  06:42:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2023/05/11  06:42:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2023/05/11  06:42:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2023/05/11  06:42:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  06:44:56.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0b
2023/05/11  06:44:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2023/05/11  06:45:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  07:21:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  07:21:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  07:21:04.0  XRT_FLD_RESET_415_OG [0x19f]
```

```
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  07:21:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  07:24:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  08:06:30.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  08:07:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  09:01:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  09:01:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  09:01:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2023/05/11  09:01:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2023/05/11  09:04:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2023/05/11  09:45:00.0  XRT_Custom_430_OG [0x1ae]
2023/05/11  09:46:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2023/05/11  10:26:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2023/05/11  10:43:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
```