XRT Timeline to be uploaded on 2022/06/11

Period: 2022/06/11 10:29:00 - 2022/06/16 10:43:00

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

XOB #1CC2: HOP361 - High cadence (8s thin-Be only) 384x384 at 1064 1048

Term	Pointing (x, y)	Comment
06/11 10:42:00 - 06/11 17:40:54	Track (-792.0, 238.3) @ 06/11 10:39:00	# OP start + 10min. AR observations.

PROG= 13 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 92 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	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 1-time(s) 2.0sec

Seqn= 22 250-time(s) 8.0sec

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	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec

XOB #1CC7: Synoptic Q95 2x2 - Al/mesh(2/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(12/181/1443) + Thi

Term	Pointing (x, y)	Comment
06/11 17:44:00 - 06/11 17:50:54	Fixed (0.0, 0.0)	synoptic, shifted -19.0 min

PROG= 17 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= 55 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	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

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	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

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	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= 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 #1C92: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 600s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
06/11 18:35:30 - 06/11 21:12:30	Track (-381.0, 85.5) @ 06/11 17:51:00	# CH observations.

PROG= 14 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 5-time(s) 720.0sec

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 #1CC3: HOP361 - High cadence (10s thin-Be only) 256x256 at 1064 1048

Term	Pointing (x, y)	Comment
06/11 22:03:00 - 06/12 03:38:00	Track (-740.0, 237.1) @ 06/11 22:00:00	# AR obs.

PROG= 09 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 12 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	256x256 (1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	256x256 (1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	256x256 (1064, 1048)	Q=98	0	0	2.0sec

Subr= 2 1-time(s) 2.0sec

Seqn= 28 250-time(s) 10.0sec

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	1x1	256x256 (1064, 1048)	Q=95	3	0	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
06/12 04:17:30 - 06/12 05:07:00	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted.

PROG= 12 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 #1CCB: Synoptic 7 Filter w/ Al-mesh(8/128/1024), Al-poly(12/181/1443), Thin-Be(64/1024/5795) - Thick-Be(65536), Al-poly+Ti-poly(64/2048), Med-Al(204

Term	Pointing (x, y)	Comment
06/12 05:58:36 - 06/12 06:06:30	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted.

PROG= 05 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= 63 1-time(s) 2.0sec

Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	8ms	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	1.00s	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= 27 1-time(s) 2.0sec

thin-Be/Open	thin-Be/Open	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Seqn= 23 1-time(s) 4.0sec

Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Subr= 2 1-time(s) 2.0sec

Seqn= 46 1-time(s) 2.0sec

Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 93 1-time(s) 2.0sec

med-Al/Open	med-Al/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
med-Al/Open	med-Al/Open	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	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

* * * * * **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
06/11 10:42:00 - 06/11 17:40:54	Track (-792.0, 238.3) @ 06/11 10:39:00	# OP start + 10min. AR observations.
06/11 18:35:30 - 06/11 21:12:30	Track (-381.0, 85.5) @ 06/11 17:51:00	# CH observations.
06/11 22:03:00 - 06/12 03:38:00	Track (-740.0, 237.1) @ 06/11 22:00:00	# AR obs.
06/12 04:17:30 - 06/12 05:07:00	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted.

PROG= 04 30-time(s)

Subr= 1 20-time(s) 2.0sec

Seqn= 11 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/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec

Seqn= 73 1-time(s) 10.0sec

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	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

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

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

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 (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

✲ ✲ ✲ ✲ ✲ Active Region Search ✲ ✲ ✲ ✲ ✲

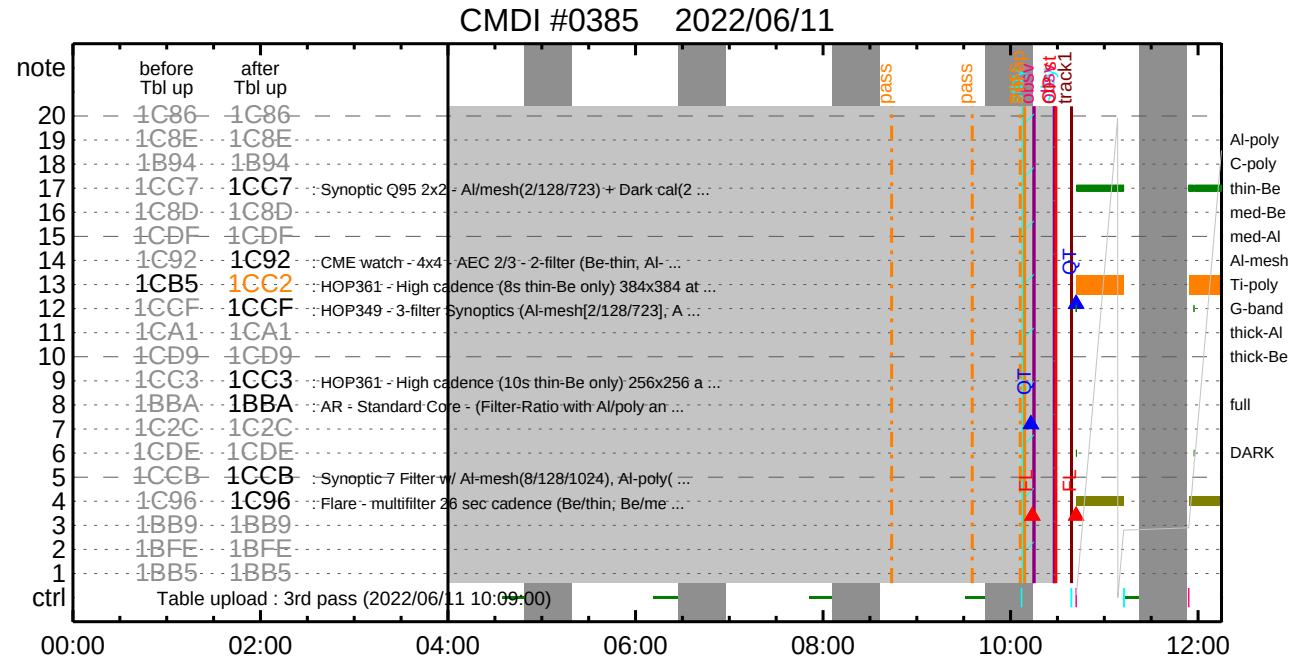
NOT USED

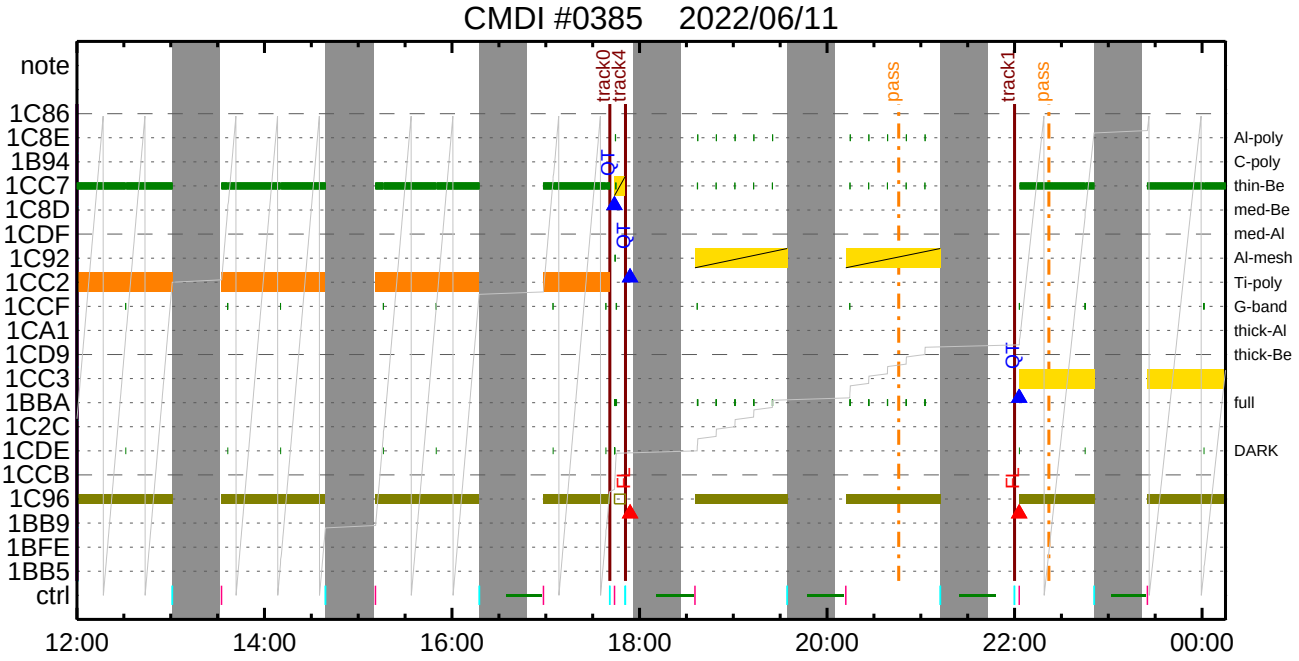
✲ ✲ ✲ ✲ ✲ Flare Detection ✲ ✲ ✲ ✲ ✲

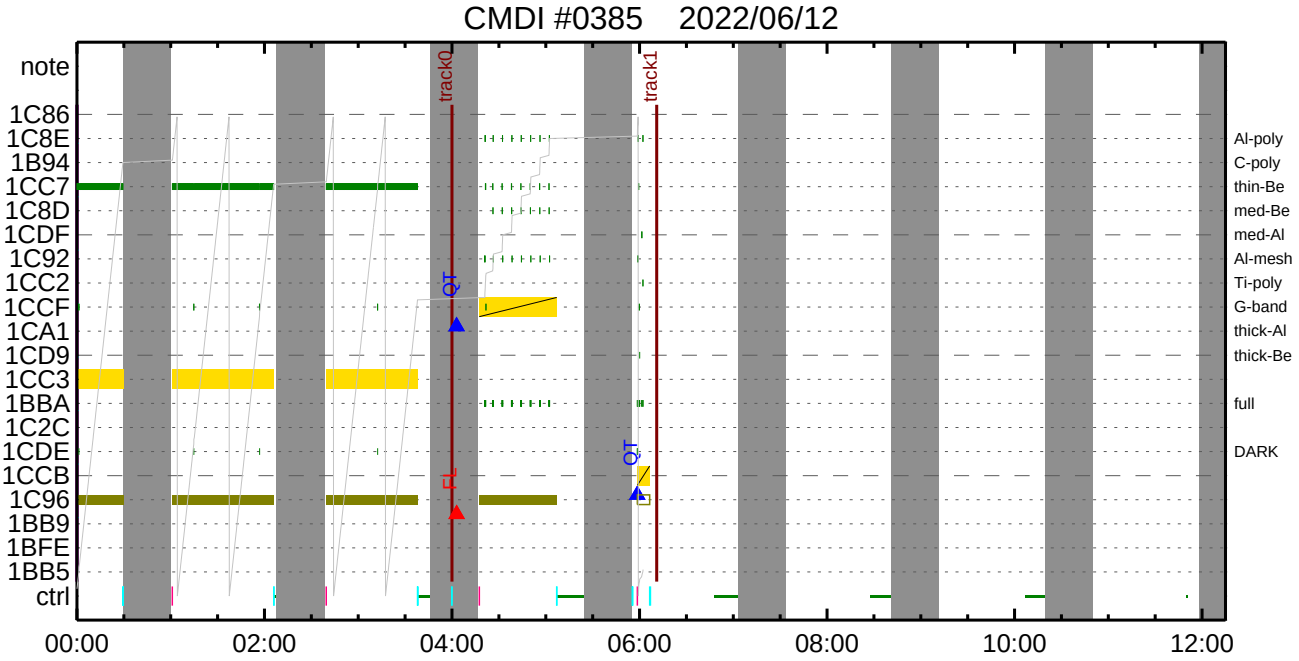
FLD Patrol

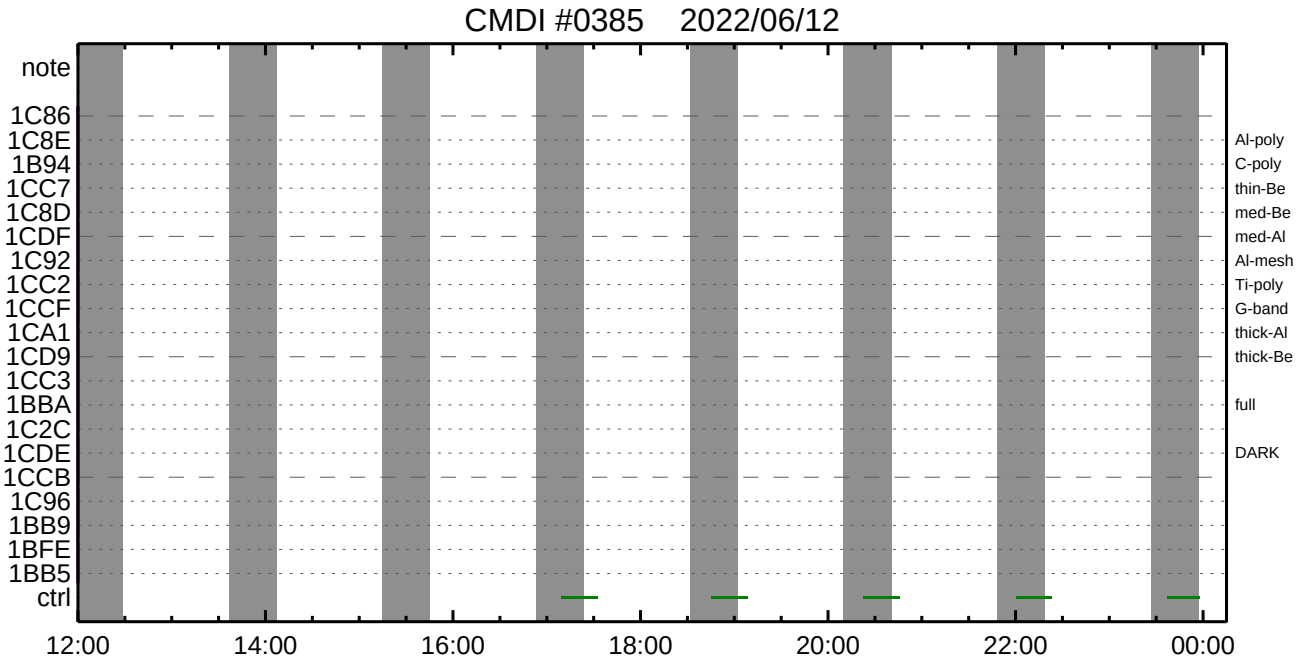
Term	Pointing (x, y)	Comment
06/11 10:10:00 - 06/11 17:41:18	cannot be identified	
06/11 17:51:18 - 06/12 05:55:54	Track (-381.0, 85.5) @ 06/11 17:51:00	# CH observations.

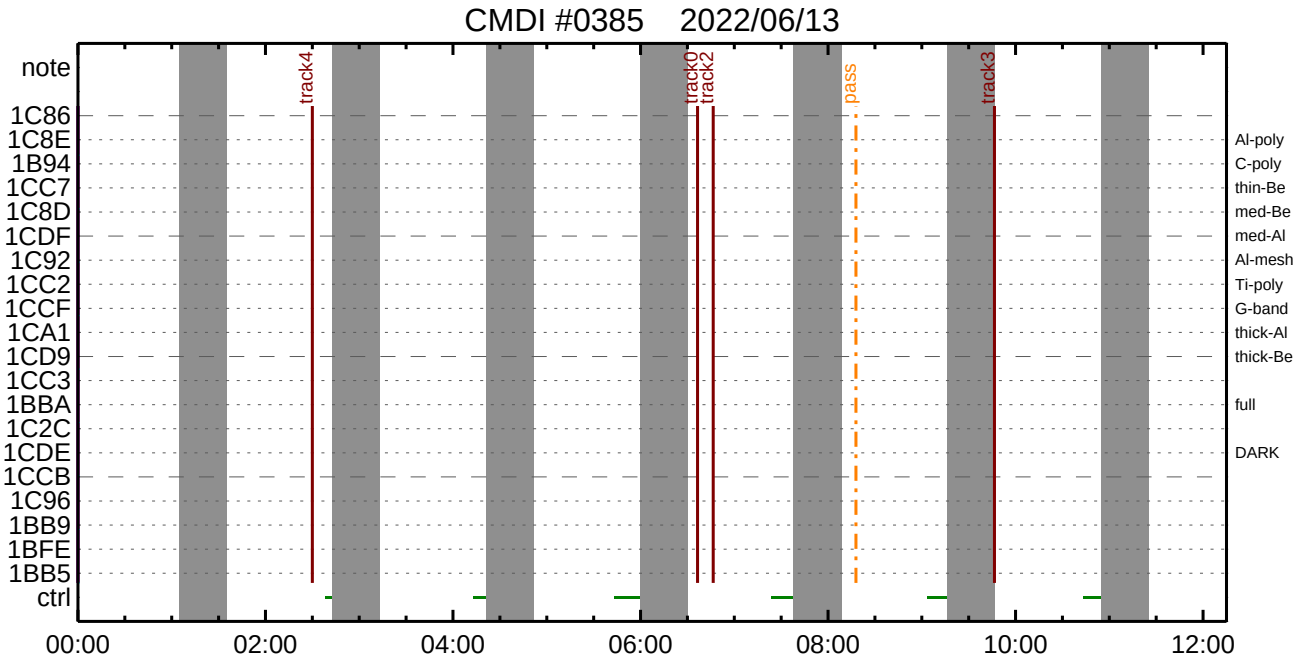
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50			30sec

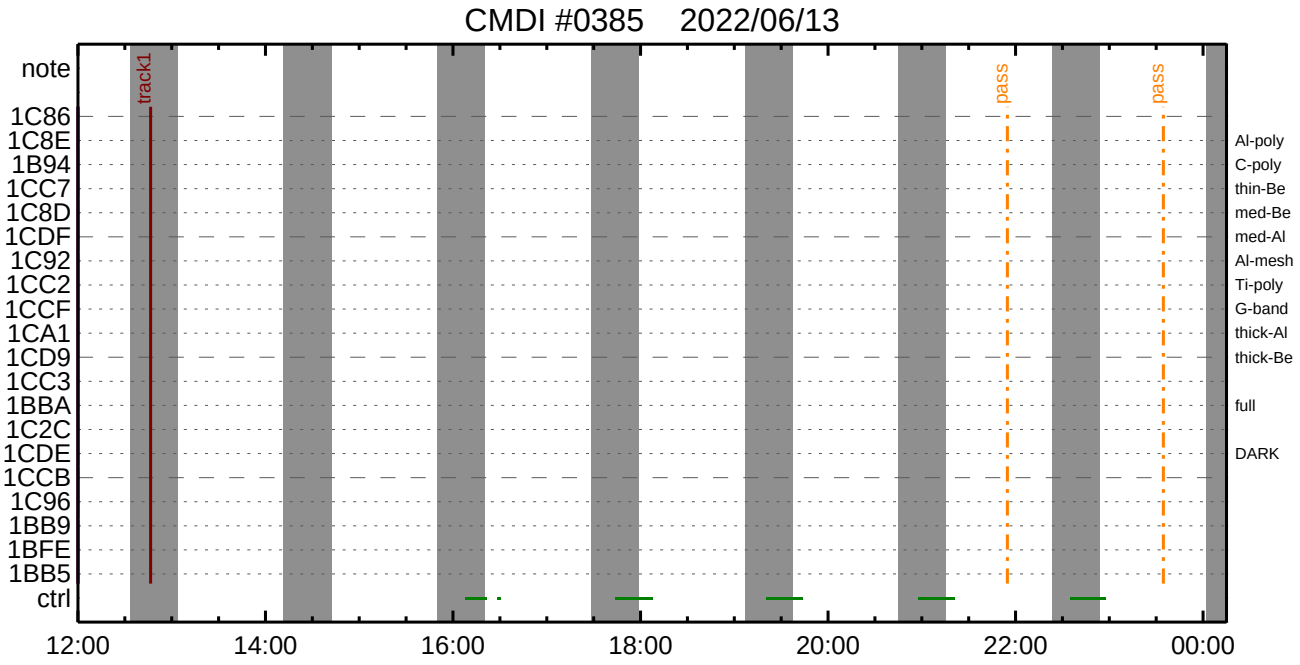

CMDI #0385 2022/06/11
note
before Tbl up
after Tbl up
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CB5
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
Synoptic Q95 2x2 - Al/mesh(2/128/723) + Dark cal(2 ...
CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al- ...
HOP361 - High cadence (8s thin-Be only) 384x384 at ...
HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], A ...
HOP361 - High cadence (10s thin-Be only) 256x256 a ...
AR - Standard Core - (Filter-Ratio with Al/poly an ...
Synoptic 7 Filter w/ Al-mesh(8/128/1024), Al-poly(...
Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
Table upload : 3rd pass (2022/06/11 10:09:00)
pass
pass
track1
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

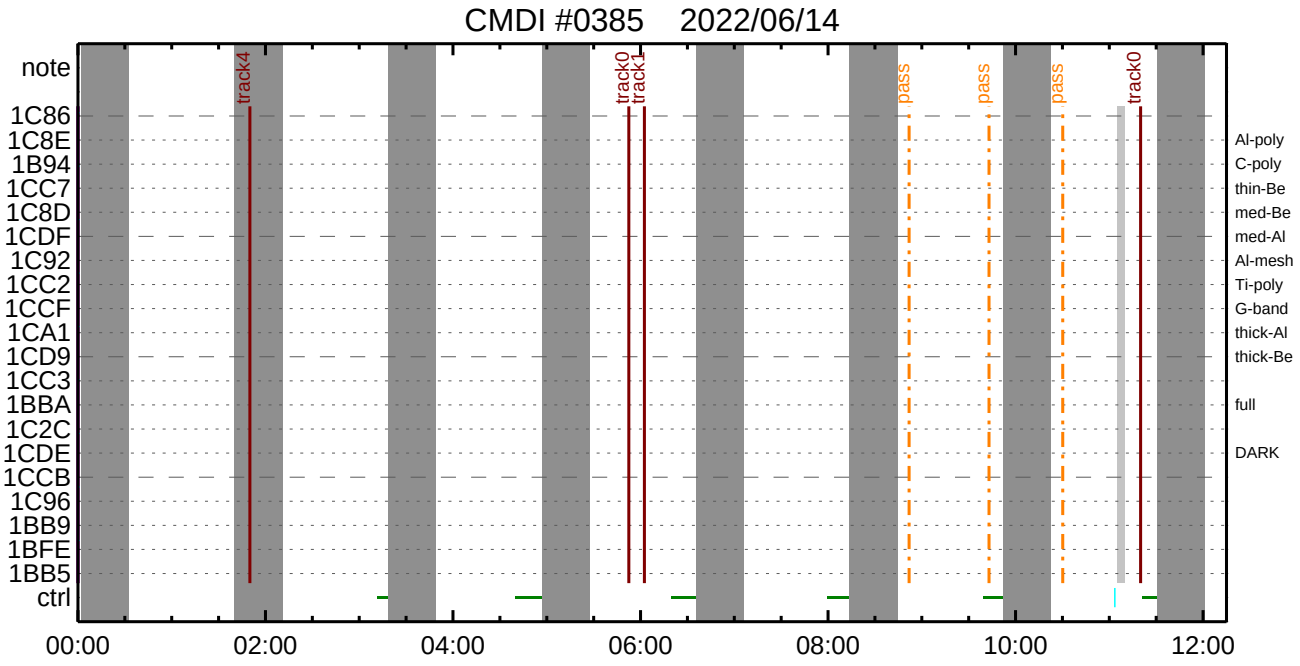

CMDI #0385 2022/06/11
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
track0
track4
track1
pass
pass
QT
QT
QT
FL
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

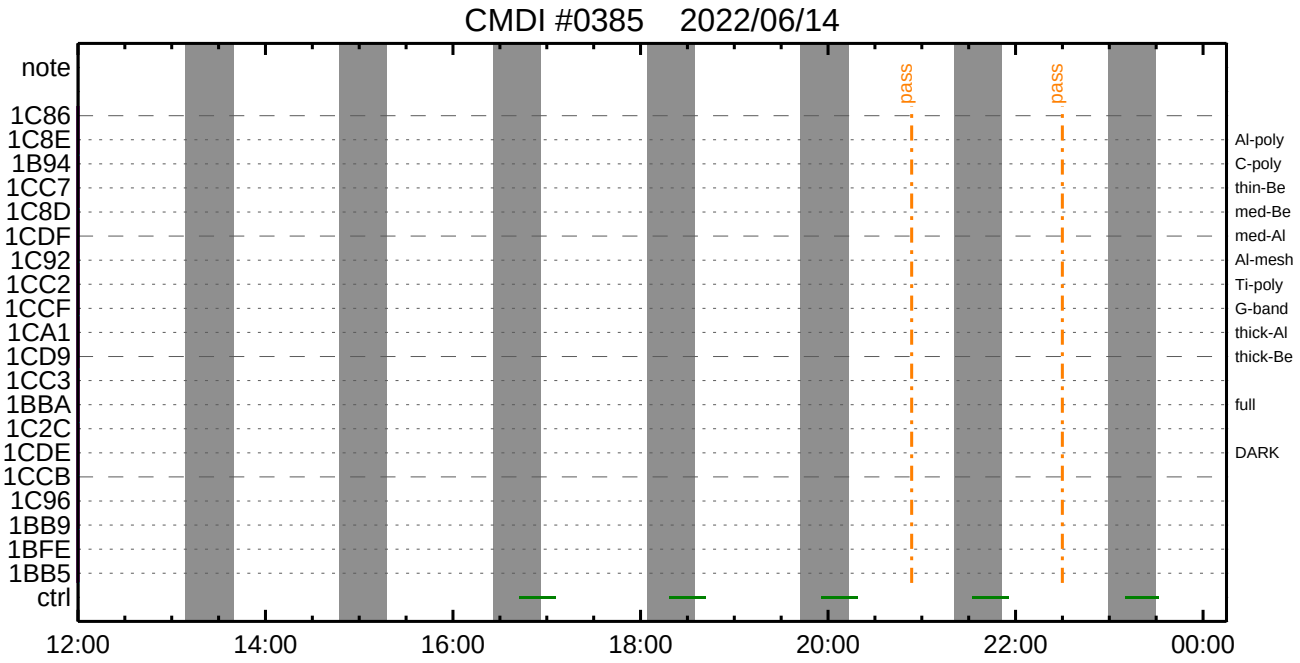

CMDI #0385 2022/06/12
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
track0
track1
QT
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

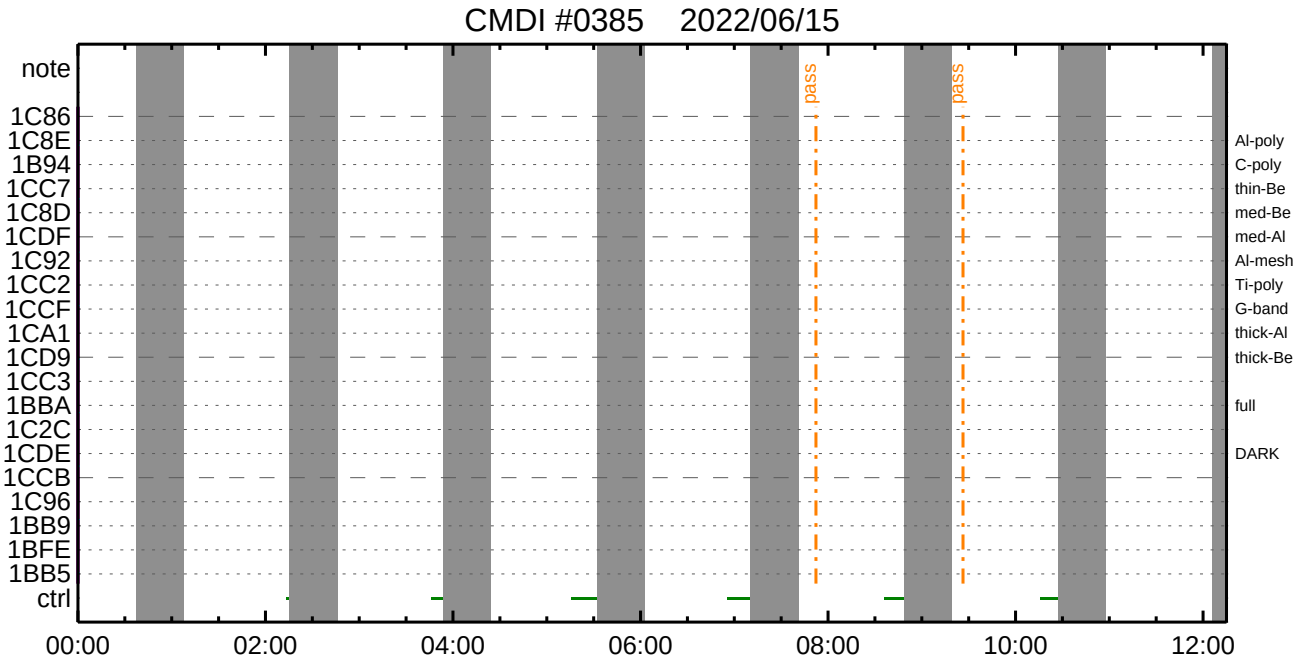

CMDI #0385 2022/06/12
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

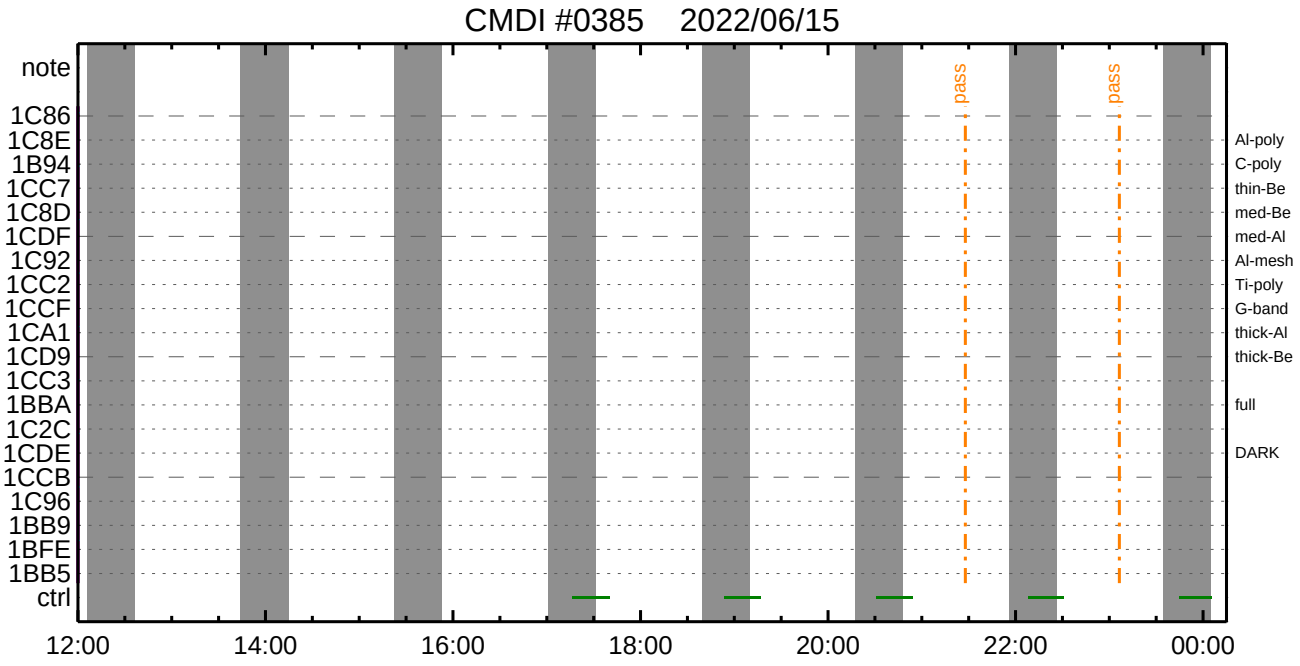

CMDI #0385 2022/06/13
note
track4
track0
track2
pass
track3
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

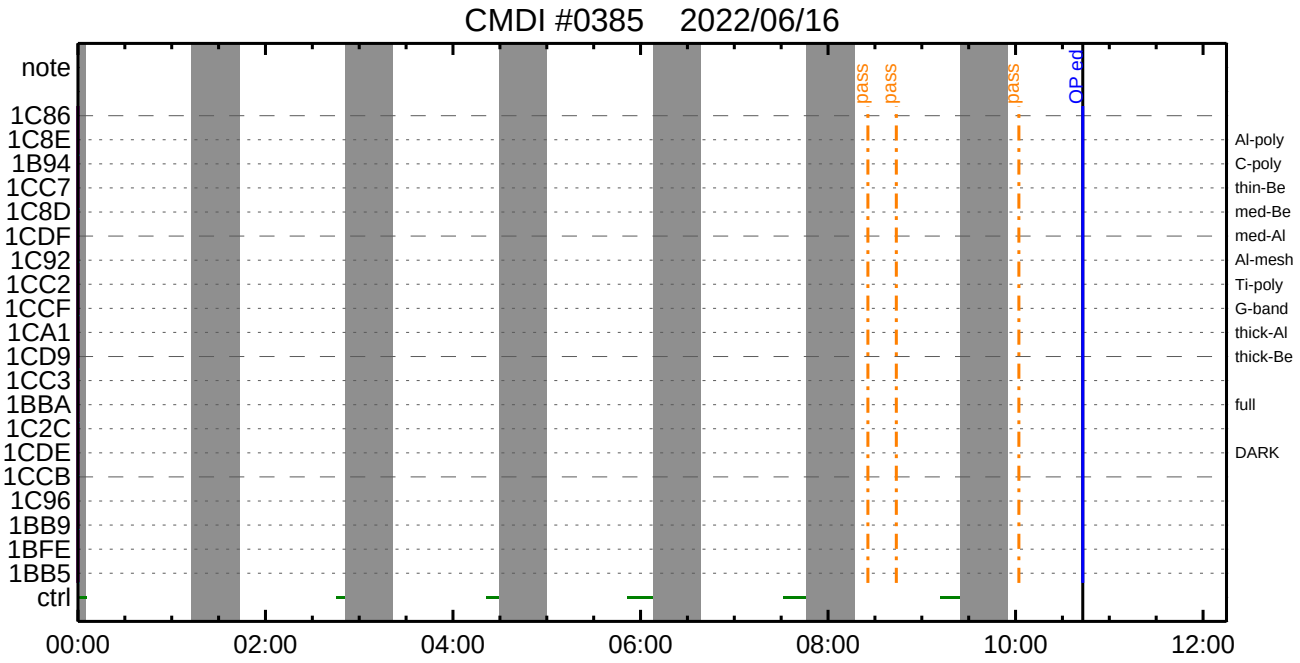

CMDI #0385 2022/06/13
note
track1
pass
pass
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK

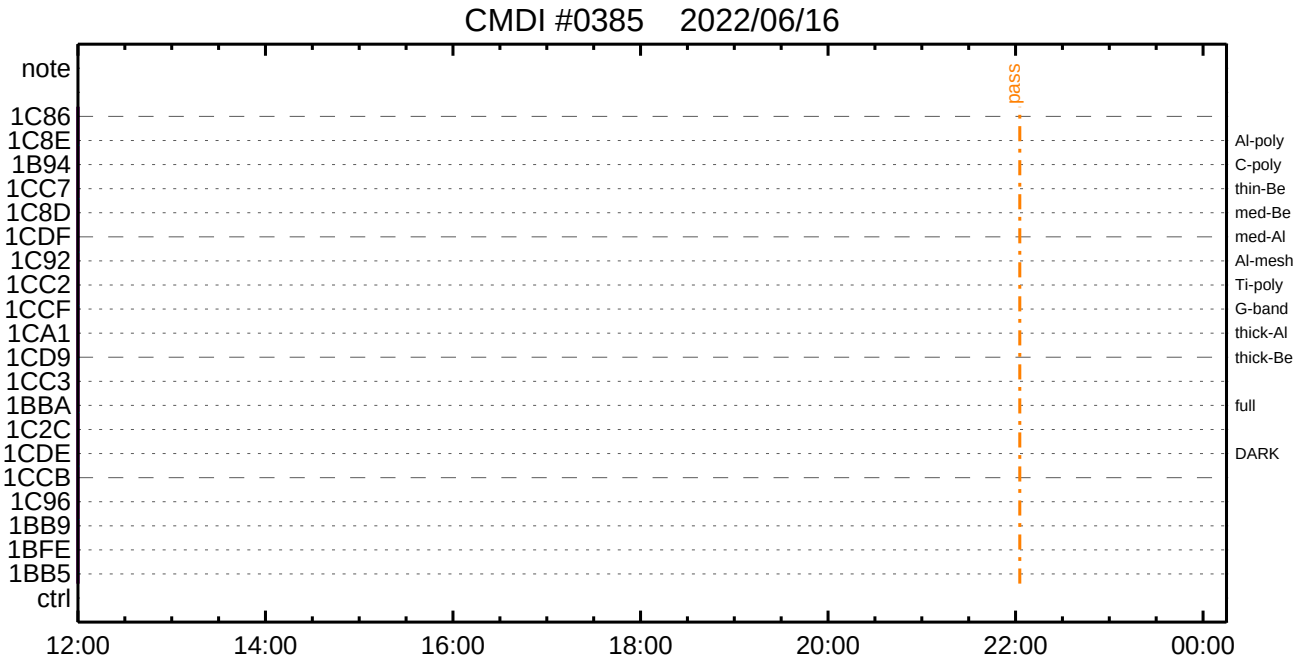

CMDI #0385 2022/06/14
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
track4
track0
track1
pass
pass
pass
track0
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK


CMDI #0385 2022/06/14
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
pass
pass
12:00
14:00
16:00
18:00
20:00
22:00
00:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK


CMDI #0385 2022/06/15
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
ctrl
pass
pass
00:00
02:00
04:00
06:00
08:00
10:00
12:00
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK


CMDI #0385 2022/06/15
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
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 #0385 2022/06/16
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
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 #0385 2022/06/16
note
1C86
1C8E
1B94
1CC7
1C8D
1CDF
1C92
1CC2
1CCF
1CA1
1CD9
1CC3
1BBA
1C2C
1CDE
1CCB
1C96
1BB9
1BFE
1BB5
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

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

main-222 2022-06-11 11:56:50 239 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-222:OP
0020     ()
0021   . S. OG    og-222: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¡£
```

```
     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Ô¤¦¤³¤È¡£
     C.
   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
  +. TI 2022-06-11 10:24:00.0
     DC 01-B3 DHU_OP_STOP
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2022-06-11 10:24:01.0
     DC 01-B4 DHU_OP_COPY
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2022-06-11 10:24:01.0
     DC 01-B5 DHU_OPOG_COPY
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
  +. TI 2022-06-11 10:28:59.5
     DC 01-B2 DHU_OP_START
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
     C.
     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
     C.
   . C. ****************************
     C. TIÎÎ°è¥À¥ó¥×
     C. ****************************
     C.
     C. TI_TBL(0x03AB00-0x03AEFF¡§ 1024byte)
  +. DC 01-23 DHU_DMA_DMP_PRM_SET
     BC       (03 ab 03 01 02)
     C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
  +. DC 01-22 DHU_MODE_CHNG
     BC       (07 0b f8)
     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
     C.
   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
     C.
   . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
     C.
   . C. DHU¥â¡¼¥É¡Ê¼ý½¸¥ì¡¼¥È¡Ë¤òÌá¤¹
  +. DC 01-22 DHU_MODE_CHNG
     BC       (02 0a f8)
     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
     C.
   . C. Stop EIS observation and temporarily disable EIS mode changes
     C.
     C.
     C. ********** Start EIS operation (TI set) **********
     C. Execute, after the success of OP upload.
     C. Set EIS TI-commands
  +. TI 2022-06-11 10:28:30.0
     DC 07-FC EIS_MODE_MANU
     BC       (21 02)
  +. TI 2022-06-11 10:28:40.0
     DC 07-FC EIS_MODE_CHG_DIS
     BC       (22)
   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
     C. *********** End EIS operation (TI set) ***********
     C.
     C.
     C. ********************************
     C.  SOT TI command set
     C. ********************************
     C. Execute, after the success of OP upload.
  +. TI 2022-06-11 10:28:16.0
     DC 07-F0 MDP_SOT_MODE_STBY
     BC       (41)
   . C. -----------------------------------
     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
     C. -----------------------------------
     C. ************ SOT END ***********
   . C. =====  Begin of AOCS CMD Sequence =====
   . C.
   . C. ******************************
   . C. ***** GAS¥Ç¡¼¥¿¼èÆÀ¼Â»Ü  *****
   . C. ******************************
   . C.
   . C. ***************************
   . C.  MDRV OFF
   . C. ***************************
   . C.
   . C. ***** GAS¥â¥Ë¥¿¤Î¤¿¤á MTQ¶îÆ°°ì»þÄä»ß *****
  +. DC 02-33 AOCU_MDRV-X_OFF
  +. DC 02-34 AOCU_MDRV-Y_OFF
```

```
0194  +. DC 02-35 AOCU_MDRV-Z_OFF
0195   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> X = OFF ?
0196   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> Y = OFF ?
0197   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> Z = OFF ?
0198   . C.
0199   . C.
0200   . C.  ¡ú¥Ç¡¼¥¿¼èÆÀ¤Î¤¿¤á¡¢Ìó1minÂÔµ¡
0201   . C.
0202   . C. ***************************
0203   . C.  MDRV ON
0204   . C. ***************************
0205   . C.
0206   . C. ***** MTQ¶îÆ°ºÆ³« *****
0207  +. DC 02-32 AOCU_MDRV_ON
0208   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> X = ON ?
0209   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> Y = ON ?
0210   . C.                                        [   ] <A_AOS> [COMPONENT STS] <MDRV> Z = ON ?
0211   . C.
0212   . C.
0213   . C. =====  End of AOCS CMD Sequence =====
0214   . C.
0215     C.
0216     C. ************ XRT START ***********
0217     C. Execute, after the success of OP upload.
0218  +. TI 2022-06-11 10:28:00.0
0219     DC 07-F0 MDP_XRT_MODE_STBY
0220     BC       (c3)
0221   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
0222     C.
0223     C. ************ XRT END ***********
0224     C.
0225   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0226     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0227   . S. DC-BC dcbc-402:DCBC
0228     (MDP_known_event)
0229     C.
0230     C.
0231   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0232   . S. DC-BC dcbc-153:DCBC
0233     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0234     C.
0235     C.
0236   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0237     C.
0238   . C. *********** LOS ***********
0239     C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-223 2022-06-11 11:56:50 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 32s
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 2022-06-11 10:28:50.0
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-224 2022-06-11 11:56:50 132 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.  SOT table upload
0016     C. ********************************
0017   . C. < Stop SP table >
0018   +. DC 07-F0 MDP_SP_CTRL_MANU
0019     BC       (61)
0020     C. ------------------------------------
0021     C.  MDP_SP_CTRL_MODE      = MANU    [ ]
0022     C. ------------------------------------
0023     C.
0024   . C. <Upload SP Observation Table>
0025   . S. RAM   ram-283:MDP_OBS_S
0026     ()
0027     C.
0028   . C. < Dump RAMID=MDP_OBS_S >
0029   +. DC 07-F0 MDP_DUMP_SPTBL
0030     BC       (83 07 00 00 00 38 b8)
0031     C. ------------------------------------
0032     C.  MDP_OBS_S verify = OK/NG        [ ]
0033     C. ------------------------------------
0034     C.
0035     C. ********************************
0036     C.  SOT TI command set
0037     C. ********************************
0038     C. Execute, after the success of TBL upload.
0039   +. TI 2022-06-11 10:28:18.0
0040     DC 07-F0 MDP_SOT_MODE_OBSV
0041     BC       (40)
0042   . C. ------------------------------------
0043     C.   HK1_TI_CMD_NUM       = 1 CNTUP [ ]
0044     C. ------------------------------------
0045     C.
0046     C.
0047     C. ************ XRT START ************
0048     C.
0049   +. DC 07-F0 MDP_XRT_CTRL_MANU
0050     BC       (c1)
0051   +  DC 07-F0 MDP_XRT_MODE_STBY
0052     BC       (c3)
0053   . C. ----------- Success Verify ?             OK / NG____
0054     C.
0055     C. XRT Obs. Table Upload
0056   . S. RAM   ram-291:MDP_OBS_X
0057     ()
0058     C.
0059   +. DC 07-F0 MDP_DUMP_XRTTBL
0060     BC       (84 07 00 00 00 3a d4)
0061   . C. ----------- Comparison Check ?                      OK / ERR ____
0062     C.
0063     C.
0064   +. DC 07-F0 MDP_XRT_ROI_SET
0065     BC       (cd 01 b1 b1 04 04)
0066   +  DC 07-F0 MDP_XRT_ROI_SET
0067     BC       (cd 02 b1 b1 08 08)
0068   +  DC 07-F0 MDP_XRT_ROI_SET
0069     BC       (cd 03 b1 b1 08 08)
0070   +  DC 07-F0 MDP_XRT_ROI_SET
0071     BC       (cd 04 b1 b1 06 06)
0072   +  DC 07-F0 MDP_XRT_ROI_SET
0073     BC       (cd 05 85 83 06 06)
0074   +  DC 07-F0 MDP_XRT_ROI_SET
0075     BC       (cd 06 85 83 06 06)
0076   +  DC 07-F0 MDP_XRT_ROI_SET
0077     BC       (cd 07 80 80 20 20)
0078   +  DC 07-F0 MDP_XRT_ROI_SET
0079     BC       (cd 08 80 80 20 08)
0080   +  DC 07-F0 MDP_XRT_ROI_SET
0081     BC       (cd 09 80 80 08 20)
0082   +  DC 07-F0 MDP_XRT_ROI_SET
0083     BC       (cd 0a 80 80 08 08)
0084   +  DC 07-F0 MDP_XRT_ROI_SET
0085     BC       (cd 0b 85 83 04 04)
0086   +  DC 07-F0 MDP_XRT_ROI_SET
0087     BC       (cd 0f 80 80 06 06)
0088   +  DC 07-F0 MDP_XRT_ROI_SET
0089     BC       (cd 10 80 80 08 08)
0090   +  DC 07-F0 MDP_XRT_FLD_ENA
0091     BC       (d8)
0092   +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0093     BC       (c8)
0094   +  DC 07-F0 MDP_XRT_ARS_DIS
0095     BC       (d5)
```

```
0096  +  DC 07-F0 MDP_XRT_AEC_RESET
0097     BC       (d0)
0098  +  DC 07-F0 MDP_XRT_FLD_RESET
0099     BC       (da)
0100  +. DC 07-F0 MDP_XRT_QT_PROG_SET
0101     BC       (c4 08)
0102  +. DC 07-F0 MDP_XRT_FL_PROG_SET
0103     BC       (c5 04)
0104   . C. ---------- Success Verify ?           OK / NG ____
0105     C.
0106     C.
0107   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0108     C.
0109  +. DC 07-F0 MDP_XRT_MODE_OBSV
0110     BC       (c2)
0111  +. TI 2022-06-11 10:28:02.0
0112     DC 07-F0 MDP_XRT_MODE_OBSV
0113     BC       (c2)
0114   . C. ---------- Success Verify ?           OK / NG ____
0115     C.
0116     C. ************ XRT END ***********
0117     C.
0118   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0119     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0120   . S. DC-BC dcbc-402:DCBC
0121     (MDP_known_event)
0122     C.
0123     C.
0124   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0125   . S. DC-BC dcbc-153:DCBC
0126     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0127     C.
0128     C.
0129   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0130     C.
0131   . C. *********** LOS ***********
0132     C.
```

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

2022/06/11  10:38:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  10:38:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  10:38:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/06/11  10:39:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 01 06 4d 01 68
2022/06/11  10:39:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2022/06/11  10:39:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/06/11  10:39:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2022/06/11  10:39:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/11  10:39:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  10:41:56.0  XRT_QT_PROG_SET_407_OG [0x197]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2022/06/11  10:41:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/06/11  10:42:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  11:12:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  11:12:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  11:12:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  11:12:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  11:15:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  11:53:00.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  11:54:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  13:01:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  13:01:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  13:01:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  13:01:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  13:04:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  13:31:30.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  13:32:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  14:39:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  14:39:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  14:39:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  14:39:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  14:42:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  15:10:00.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  15:11:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  16:17:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  16:17:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  16:17:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  16:17:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  16:20:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  16:57:30.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  16:58:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  17:40:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  17:40:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  17:40:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/06/11  17:41:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2022/06/11  17:41:18.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/06/11  17:41:20.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/06/11  17:41:22.0  XRT_ARS_DIS_442_OG [0x1ba]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/11  17:43:58.0  XRT_QT_PROG_SET_433_OG [0x1b1]
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```
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 11
2022/06/11  17:44:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  17:50:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  17:50:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  17:50:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                        XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/06/11  17:51:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 04 00 00 00 00
2022/06/11  17:51:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2022/06/11  17:51:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/06/11  17:51:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2022/06/11  17:51:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/11  17:51:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  17:53:56.0  XRT_QT_PROG_SET_422_OG [0x1a6]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0e
2022/06/11  17:53:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/06/11  18:34:30.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  18:35:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  19:34:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  19:34:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  19:34:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  19:34:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  19:37:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  20:11:00.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  20:12:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  21:12:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  21:12:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  21:12:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  21:12:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  21:15:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  21:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  21:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  21:59:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/06/11  22:00:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 01 06 4d 01 68
2022/06/11  22:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2022/06/11  22:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/06/11  22:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2022/06/11  22:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/11  22:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  22:02:56.0  XRT_QT_PROG_SET_429_OG [0x1ad]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2022/06/11  22:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/06/11  22:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/11  22:51:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  22:51:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/11  22:51:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/11  22:51:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/11  22:54:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/11  23:24:00.0  XRT_Custom_430_OG [0x1ae]
2022/06/11  23:25:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/12  00:29:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  00:29:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  00:29:34.0  XRT_FLD_RESET_415_OG [0x19f]
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                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/12  00:29:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/12  00:32:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/12  01:00:00.0  XRT_Custom_430_OG [0x1ae]
2022/06/12  01:01:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/12  02:06:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  02:06:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  02:06:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/12  02:06:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/12  02:09:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/12  02:38:30.0  XRT_Custom_430_OG [0x1ae]
2022/06/12  02:39:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/12  03:38:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  03:38:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  03:38:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/12  03:38:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/12  03:41:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/12  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/06/12  04:00:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2022/06/12  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2022/06/12  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/06/12  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2022/06/12  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/12  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/12  04:02:56.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2022/06/12  04:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/06/12  04:16:30.0  XRT_Custom_430_OG [0x1ae]
2022/06/12  04:17:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/12  05:07:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  05:07:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  05:07:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/06/12  05:07:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/06/12  05:10:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/06/12  05:55:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  05:55:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  05:55:34.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/06/12  05:55:54.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2022/06/12  05:55:56.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/06/12  05:55:58.0  XRT_ARS_DIS_442_OG [0x1ba]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2022/06/12  05:58:34.0  XRT_QT_PROG_SET_417_OG [0x1a1]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2022/06/12  05:58:36.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/06/12  06:06:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  06:07:00.0  XRT_CTRL_MANU_403_OG [0x193]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/12  06:07:30.0  XRT_TCIB_XRT_S_HTR_A_ENA_421_OG [0x1a5]
                                    TCIB_XRT_S_HTR_A_ENA 0 04-BC
2022/06/12  06:11:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                    AOCU_NM              5 02-76 01 06 4d 01 68
2022/06/13  02:30:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 04 00 00 00 00
2022/06/13  06:36:30.0  AOCS_ORe-point_Start_2_OG [0x098]
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                                        AOCU_NM              5 02-76 00 00 00 00 00
2022/06/13  06:46:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                        AOCU_NM              5 02-76 02 00 00 00 00
2022/06/13  09:46:30.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                        AOCU_NM              5 02-76 03 00 00 00 00
2022/06/13  12:46:30.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 01 06 4d 01 68
2022/06/14  01:50:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                        AOCU_NM              5 02-76 04 00 00 00 00
2022/06/14  05:52:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
2022/06/14  06:02:30.0  AOCS_ORe-point_Start_1_OG [0x097]
                                        AOCU_NM              5 02-76 01 06 4d 01 68
2022/06/14  11:03:30.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/06/14  11:20:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                        AOCU_NM              5 02-76 00 00 00 00 00
```