XRT Timeline to be uploaded on 2022/09/27

Period: 2022/09/27 10:17:00 - 2022/10/01 12:37:00

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

XOB #1BC7: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant -Al/mesh(2048ms), Al/Poly(4096ms) - w leak image-1ms

Term	Pointing (x, y)	Comment
09/28 12:13:00 - 09/28 12:19:54	Fixed (-528.4, -528.4)	Post bakeout Q1

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
PROG= 09 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 51 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 88 2-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 3 2-time(s) 2.0sec												
Seqn= 34 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #1BC8: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term	Pointing (x, y)	Comment
09/28 12:23:00 - 09/28 12:29:54	Fixed (528.4, -528.4)	Post bakeout Q2

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
PROG= 16 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 38 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 88 2-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 3 2-time(s) 2.0sec												
Seqn= 34 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #1BC9: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term	Pointing (x, y)	Comment
09/28 12:33:00 - 09/28 12:39:54	Fixed (528.4, 528.4)	Post bakeout Q3

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
PROG= 12 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 21 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 88 2-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 3 2-time(s) 2.0sec												
Seqn= 34 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

XOB #1BCA: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term	Pointing (x, y)	Comment
09/28 12:43:00 - 09/28 12:49:54	Fixed (-528.4, 528.4)	Post bakeout Q4

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
PROG= 01 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 14 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												

Seqn= 88 2-time(s) 2.0sec													
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Subr= 3 2-time(s) 2.0sec													
Seqn= 34 1-time(s) 2.0sec													
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec	
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec	
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval	

XOB #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
09/28 12:53:00 - 09/28 12:59:54	Fixed (0.0, 0.0)	Post bakeout synoptics

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	

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
09/28 13:03:00 - 09/28 17:59:54	Track (-220.4, 113.1) @ 09/28 13:00:00	AR13110
09/28 18:13:00 - 09/28 20:11:30	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/29 00:06:00 - 09/29 03:59:54	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/29 06:22:00 - 09/29 10:32:00	Track (-68.8, 111.2) @ 09/29 06:19:00	# AR13110

PROG= 13 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 #1BC0: Synoptic Q95 2x2 - Al/mesh(8/128/1024) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(12/181/1443) + Th

Term	Pointing (x, y)	Comment
09/28 18:03:00 - 09/28 18:09:54	Fixed (0.0, 0.0)	synoptic
09/29 06:12:00 - 09/29 06:18:54	Fixed (0.0, 0.0)	HOP349 & synoptic

PROG= 18 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) 2.0sec

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

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

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

Term	Pointing (x, y)	Comment
09/28 20:35:30 - 09/29 00:02:54	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110

PROG= 14 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 1-time(s) 2.0sec

Seqn= 22 250-time(s) 8.0sec

thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (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
09/29 04:23:30 - 09/29 06:08:54	Fixed (0.0, 0.0)	HOP349 & synoptic

PROG= 07 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

* * * * * **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
09/28 13:03:00 - 09/28 17:59:54	Track (-220.4, 113.1) @ 09/28 13:00:00	AR13110
09/28 18:13:00 - 09/28 20:11:30	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/28 20:35:30 - 09/29 00:02:54	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/29 00:06:00 - 09/29 03:59:54	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/29 04:23:30 - 09/29 06:08:54	Fixed (0.0, 0.0)	HOP349 & synoptic
09/29 06:22:00 - 09/29 10:32:00	Track (-68.8, 111.2) @ 09/29 06:19:00	# AR13110

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 ✲ ✲ ✲ ✲ ✲

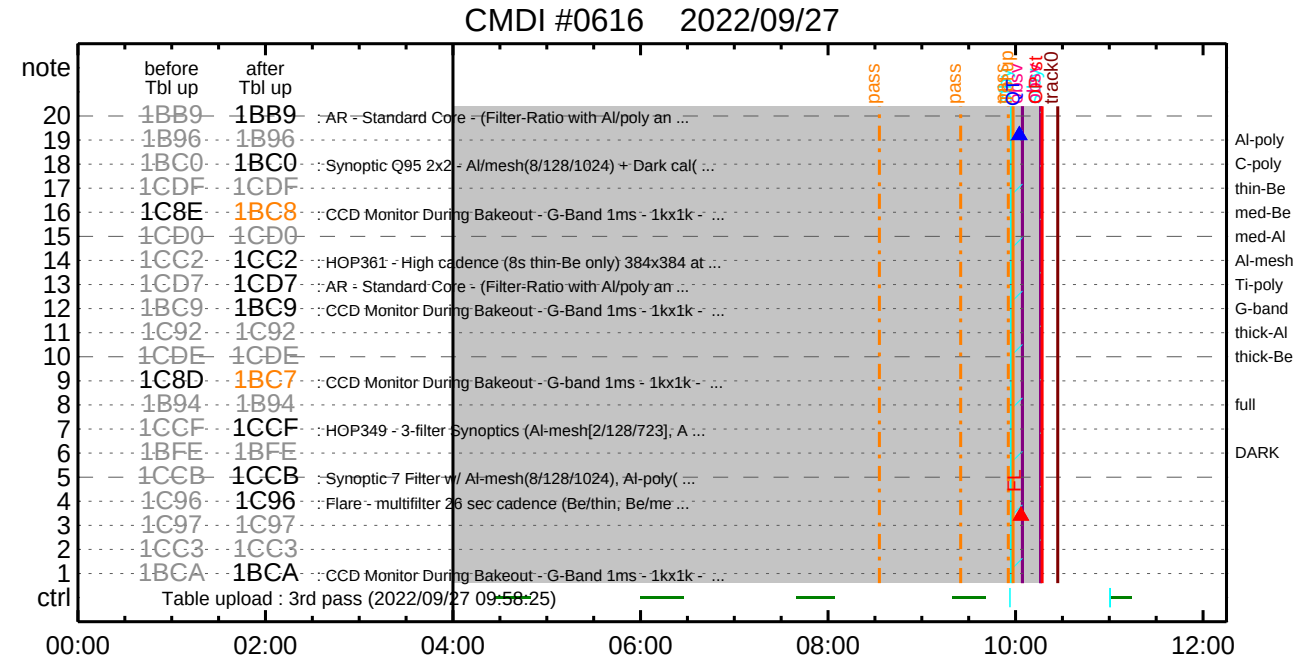
NOT USED

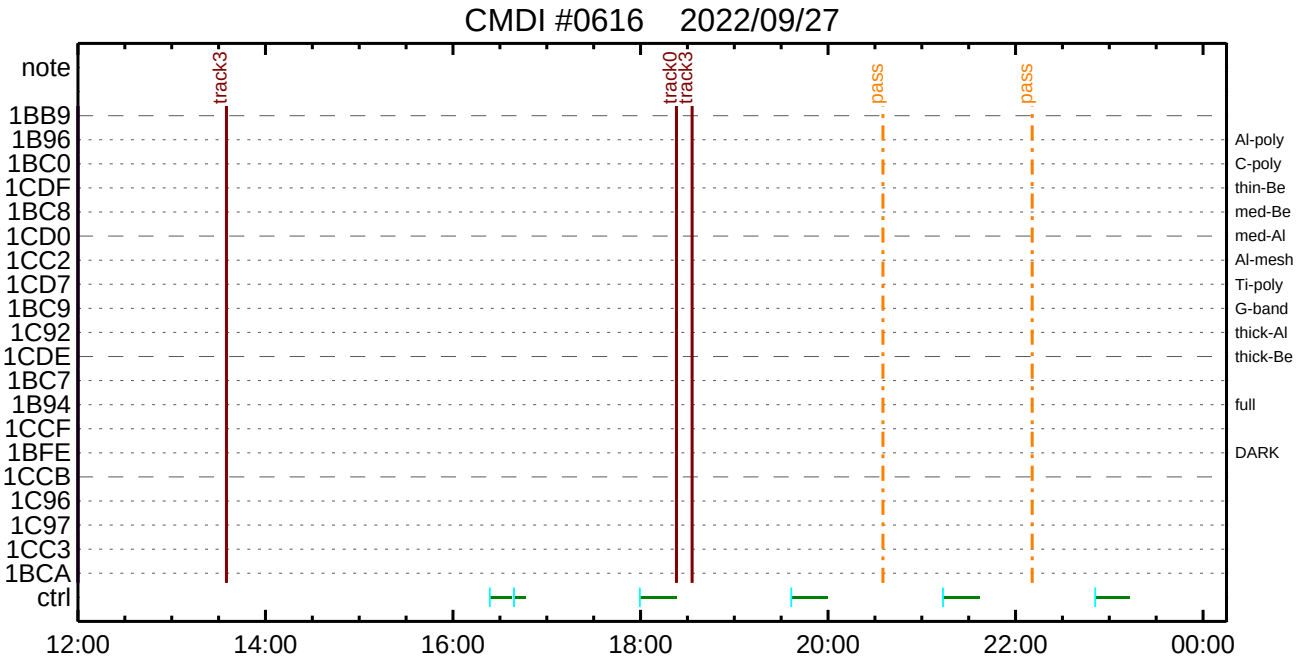
✲ ✲ ✲ ✲ ✲ Flare Detection ✲ ✲ ✲ ✲ ✲

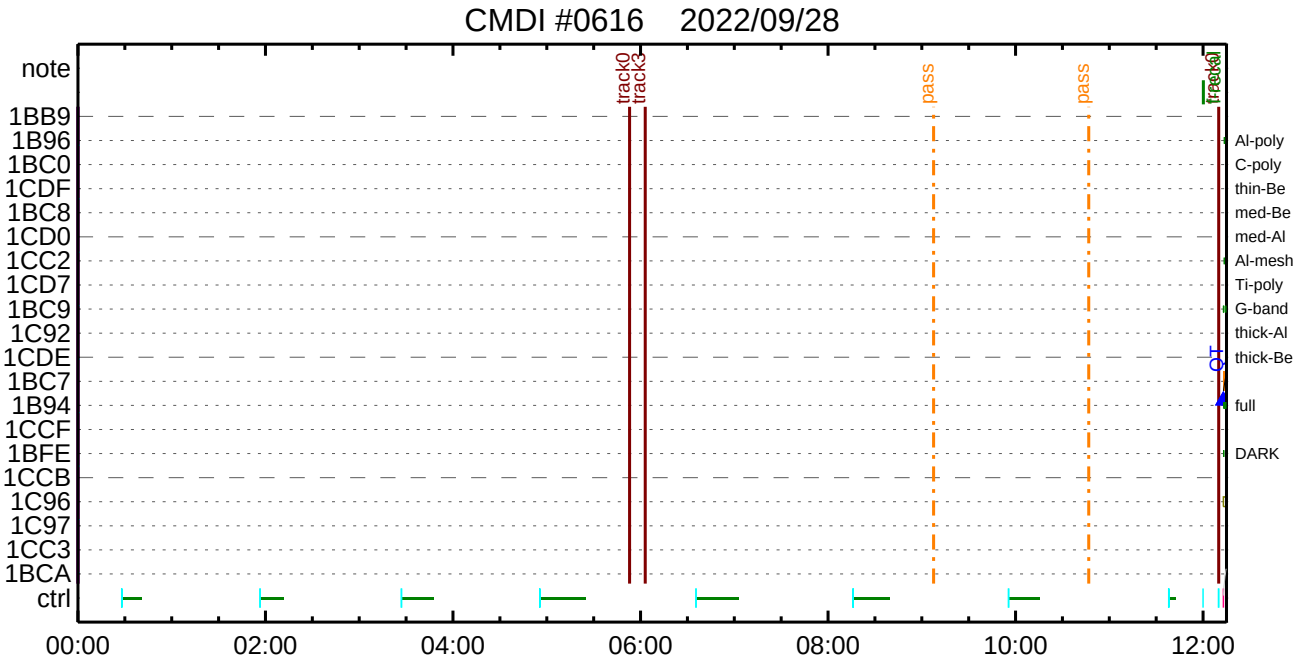
FLD Patrol

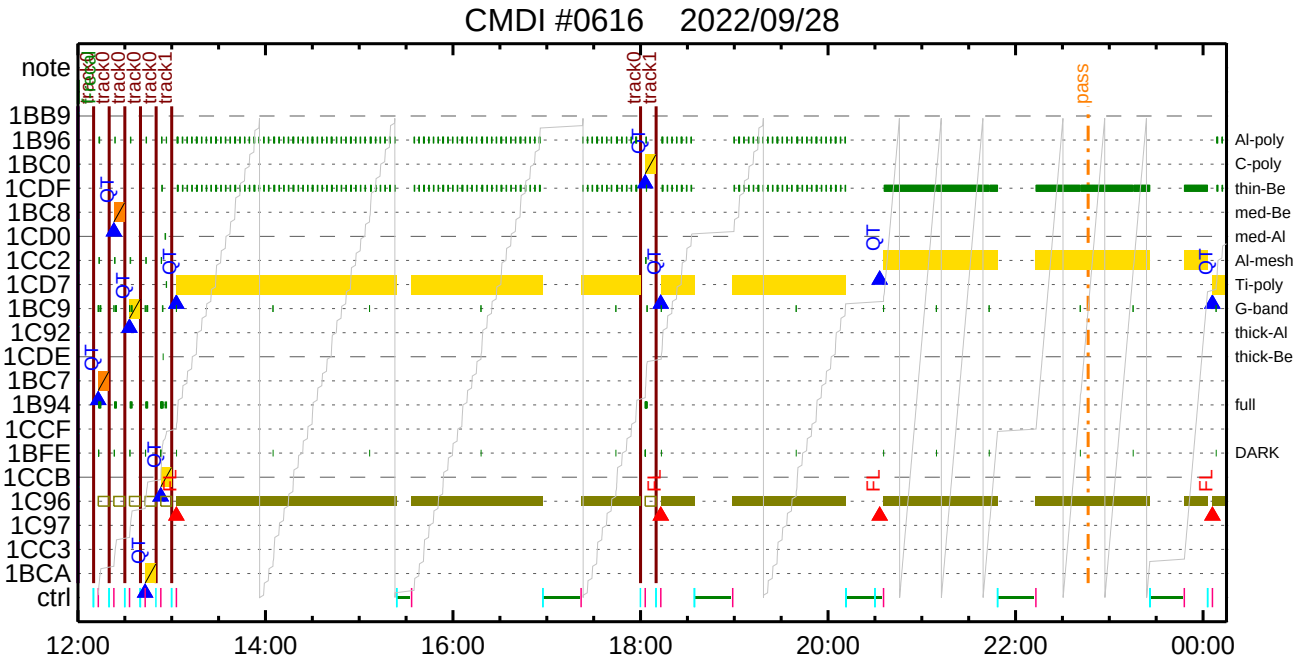
Term	Pointing (x, y)	Comment
09/27 09:59:25 - 09/28 12:12:56	cannot be identified	
09/28 13:00:18 - 09/28 18:00:16	Track (-220.4, 113.1) @ 09/28 13:00:00	AR13110
09/28 18:10:18 - 09/29 06:09:16	Track (-175.5, 112.2) @ 09/28 18:10:00	# AR13110
09/29 06:19:18 - 10/01 12:37:00	Track (-68.8, 111.2) @ 09/29 06:19:00	# AR13110

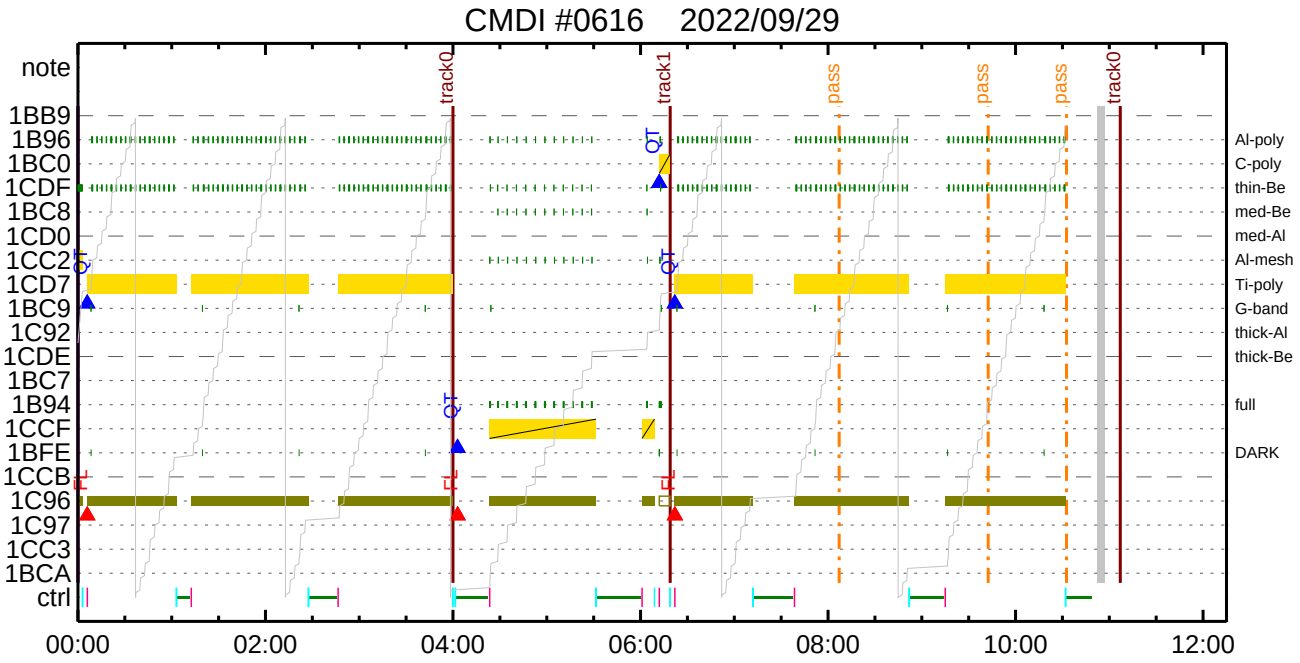
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50			30sec

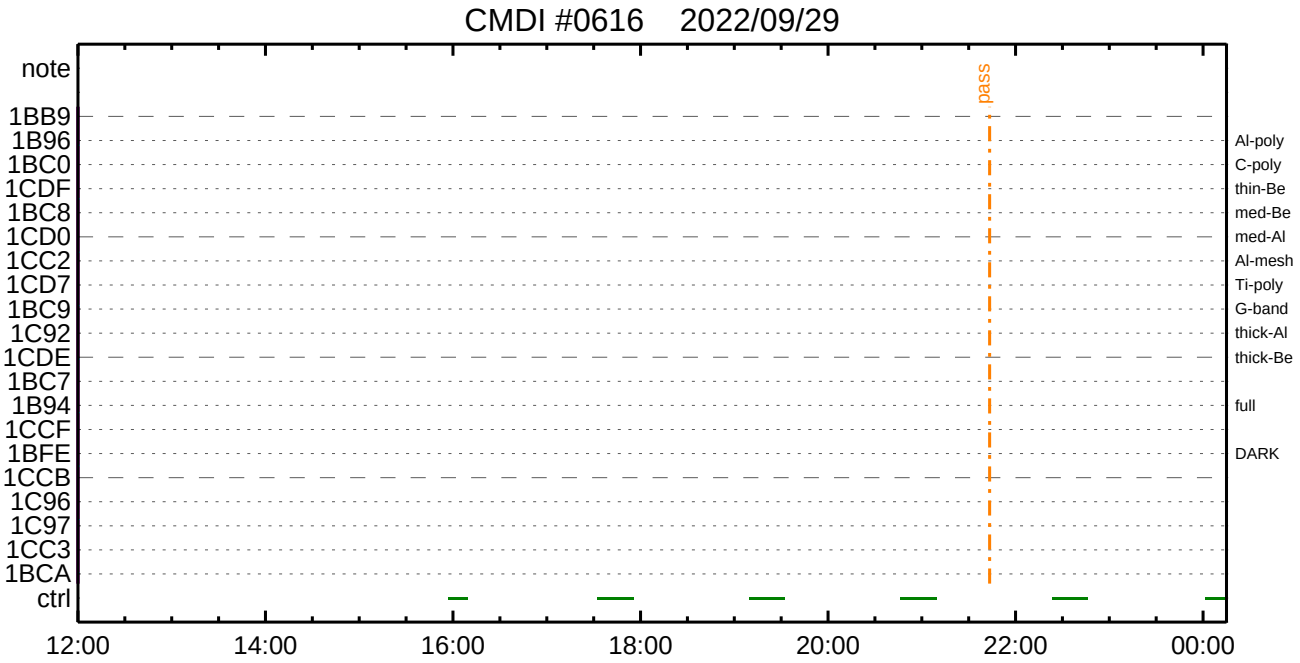

CMDI #0616 2022/09/27
note
before Tbl up
after Tbl up
20 1BB9 1BB9 : AR - Standard Core - (Filter-Ratio with Al/poly an ...
19 1B96 1B96
18 1BC0 1BC0 : Synoptic Q95 2x2 - Al/mesh(8/128/1024) + Dark cal(...
17 1CDF 1CDF
16 1C8E 1BC8 : CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - ...
15 1CD0 1CD0
14 1CC2 1CC2 : HOP361 - High cadence (8s thin-Be only) 384x384 at ...
13 1CD7 1CD7 : AR - Standard Core - (Filter-Ratio with Al/poly an ...
12 1BC9 1BC9 : CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - ...
11 1C92 1C92
10 1CDE 1CDE
9 1C8D 1BC7 : CCD Monitor During Bakeout - G-band 1ms - 1kx1k - ...
8 1B94 1B94
7 1CCF 1CCF : HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], A ...
6 1BFE 1BFE
5 1CCB 1CCB : Synoptic 7 Filter w/ Al-mesh(8/128/1024), Al-poly(...
4 1C96 1C96 : Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
3 1C97 1C97
2 1CC3 1CC3
1 1BCA 1BCA : CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - ...
ctrl Table upload : 3rd pass (2022/09/27 09:58:25)
pass
pass
track0
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

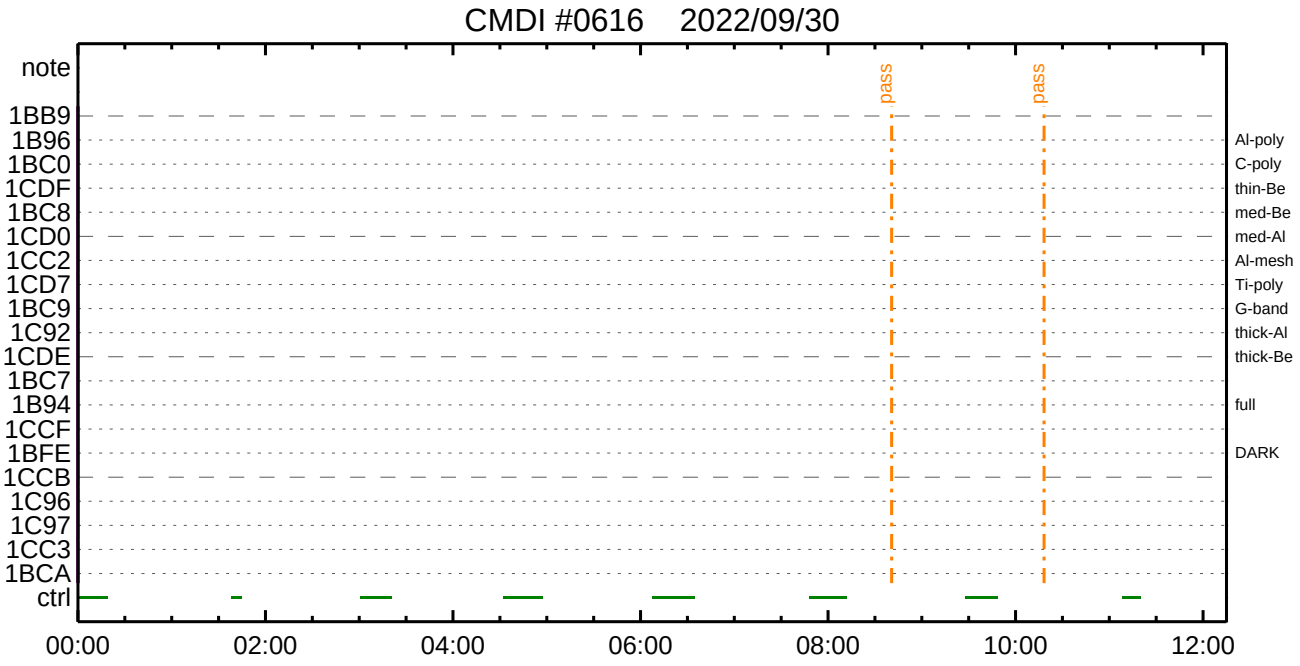

CMDI #0616 2022/09/27
note
track3
track0
track3
pass
pass
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

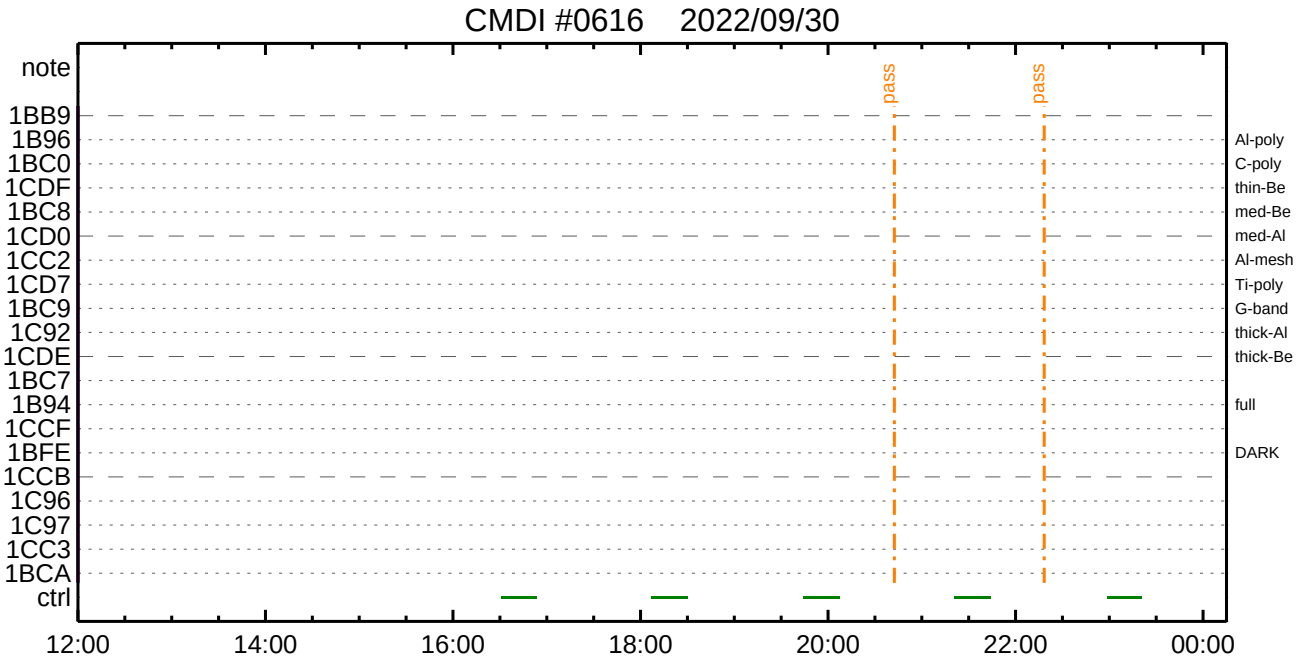

CMDI #0616 2022/09/28
note
track0
track3
pass
pass
track0
OT
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
ctrl
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

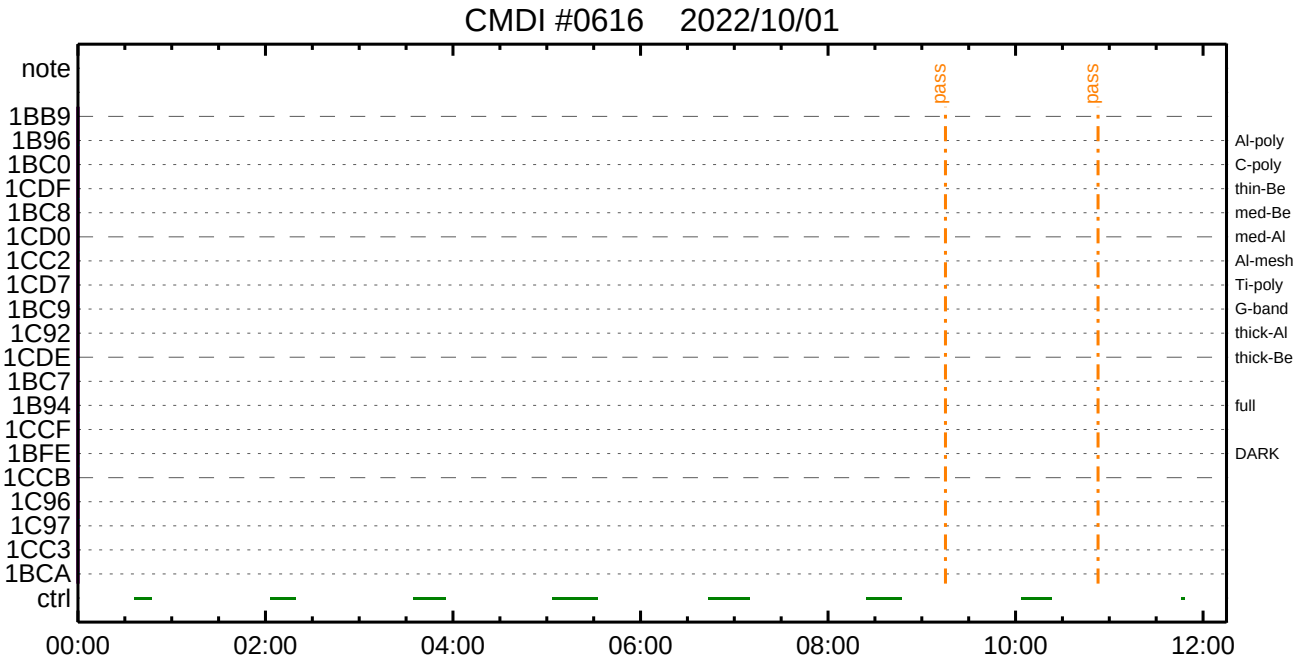

CMDI #0616 2022/09/28
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
ctrl
track0
track1
pass
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

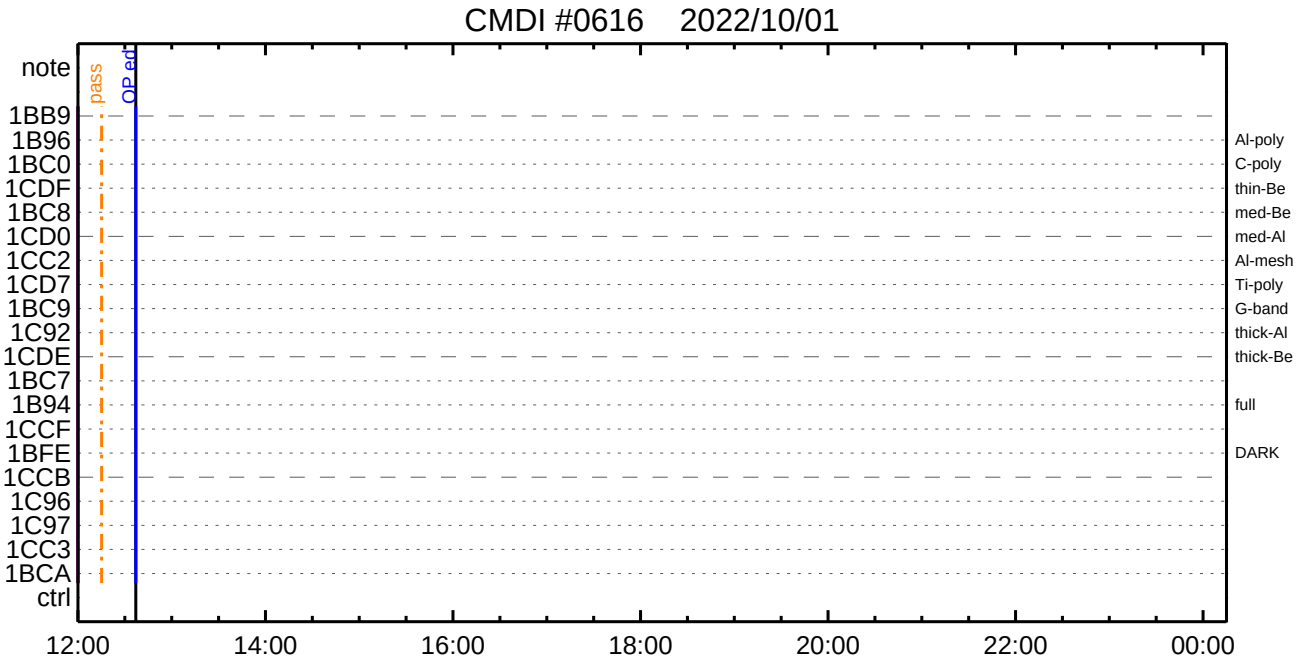

CMDI #0616 2022/09/29
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
ctrl
track0
track1
pass
QT
FL
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0616 2022/09/29
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
ctrl
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0616 2022/09/30
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
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 #0616 2022/09/30
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
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 #0616 2022/10/01
note
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
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 #0616 2022/10/01
note
pass
OP end
1BB9
1B96
1BC0
1CDF
1BC8
1CD0
1CC2
1CD7
1BC9
1C92
1CDE
1BC7
1B94
1CCF
1BFE
1CCB
1C96
1C97
1CC3
1BCA
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-428 2022-09-27 11:29:20 194 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0016     C. ****************************
0017     C.
0018   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0019   . S. OP    op-428:OP
0020     ()
0021   . S. OG    og-428: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¤Ç¹Î¤¦¤³¤È¡£
0097     C.
0098   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0099   +. TI 2022-09-27 10:12:00.0
0100     DC 01-B3 DHU_OP_STOP
0101     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0102     C.
0103   +. TI 2022-09-27 10:12:01.0
0104     DC 01-B4 DHU_OP_COPY
0105     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0106     C.
0107   +. TI 2022-09-27 10:12:01.0
0108     DC 01-B5 DHU_OPOG_COPY
0109     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0110     C.
0111   +. TI 2022-09-27 10:16:59.5
0112     DC 01-B2 DHU_OP_START
0113     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0114     C.
0115     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0116     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0117     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
0118     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0119     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0120     C.
0121   . C. ***************************
0122     C. TIÎÎ°è¥À¥ó¥×
0123     C. ***************************
0124     C.
0125     C. TI_TBL(0x03AB00-0x03AEFF¡§ 1024byte)
0126   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127     BC       (03 ab 03 01 02)
0128     C.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0129     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0130     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0131     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0132     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0133   +. DC 01-22 DHU_MODE_CHNG
0134     BC       (07 0b f8)
0135     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
0136     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0137     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0138     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0139     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0140     C.
0141   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0142     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0143     C.
0144   . C. RAM ID=TI_TBL¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0145     C.
0146   . C. DHU¥â¡¼¥É¡Ê¼ý¸¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0147   +. DC 01-22 DHU_MODE_CHNG
0148     BC       (02 0a f8)
0149     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
0150     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0151     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0152     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0153     C.
0154   . C. Stop EIS observation and temporarily disable EIS mode changes
0155     C.
0156     C.
0157     C. ********** Start EIS operation (TI set) **********
0158     C. Execute, after the success of OP upload.
0159     C. Set EIS TI-commands
0160   +. TI 2022-09-27 10:16:30.0
0161     DC 07-FC EIS_MODE_MANU
0162     BC       (21 02)
0163   +. TI 2022-09-27 10:16:40.0
0164     DC 07-FC EIS_MODE_CHG_DIS
0165     BC       (22)
0166   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    2 COUNTUP
0167     C. *********** End EIS operation (TI set) ***********
0168     C.
0169     C.
0170     C.
0171     C. ************ XRT START ***********
0172     C. Execute, after the success of OP upload.
0173   +. TI 2022-09-27 10:16:00.0
0174     DC 07-F0 MDP_XRT_MODE_STBY
0175     BC       (c3)
0176   . C.                       [   ]  [HK1_TI_CMD_NUM]     EQ    1COUNTUP
0177     C.
0178     C. ************ XRT END ***********
0179     C.
0180   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0181     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0182   . S. DC-BC dcbc-402:DCBC
0183     (MDP_known_event)
0184     C.
0185     C.
0186   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0187   . S. DC-BC dcbc-153:DCBC
0188     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189     C.
0190     C.
0191   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0192     C.
0193   . C. ********** LOS **********
```

0194 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-429 2022-09-27 11:29:20 94 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. ***** AOCS Commands (Orbital Element Update) *****
0046     C. Update the orbital element
0047   +. DC 02-50 AOCU_ORB_PRPGT_START
0048     BC       (16)
0049   +  DC 02-8E AOCU_ORB_UPD
0050     C.
0051     C.       <A_ORB>[ORBIT] EPC = 1587886.6 +- 1.0 (s) [ ]
0052     C.
0053   . C.
0054   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0055   +. DC 07-FC EIS_MODE_CHG_ENA
0056     BC       (20)
0057   . C. Verify EIS_MODE_CHG_FLG is ENA
0058   +. DC 07-FC EIS_MODE_MANU
0059     BC       (21 02)
0060   . C. Verify EIS in MANUAL mode
0061   . C. Estimated OBSTBL upload time is 16s
0062     C. ********************************
0063     C. EIS START OBSTBL LOAD
0064     C. ********************************
0065   . S. RAM   ram-820:EIS_OBSTBL
0066     ()
0067   +. DC 07-FC EIS_DUMP_OBSTBL
0068     BC       (07 07 07 00 00 70 00)
0069     C.
0070     C. Execute, after the success of OBSTBL upload.
0071     C. Set EIS TI-commands
0072   +. TI 2022-09-27 10:16:50.0
0073     DC 07-FC EIS_MODE_CHG_ENA
0074     BC       (20)
0075   . C.                      [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0076     C. ********************************
0077     C. EIS END OBSTBL LOAD
0078     C. ********************************
0079     C.
0080   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0081     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0082   . S. DC-BC dcbc-402:DCBC
0083     (MDP_known_event)
0084     C.
0085     C.
0086   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0087   . S. DC-BC dcbc-153:DCBC
0088     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0089     C.
0090     C.
0091   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0092     C.
0093   . C. *********** LOS ***********
0094     C.
```

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

main-430 2022-09-27 11:29:20 140 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¤Ë¼ÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. =====  Begin of AOCS CMD Sequence =====
0015   . C.
0016   . C. ******************************
0017   . C. ***** GAS¥Ç¡¼¥¿¼èÆÀ¼Â»Ü  *****
0018   . C. ******************************
0019   . C.
0020   . C. **************************
0021   . C.  MDRV OFF
0022   . C. **************************
0023   . C.
0024   . C. ***** GAS¥â¥Ë¥¿¤Î¿¤á MTQ¶îÆ°°ì»þÄä»ß *****
0025   +. DC 02-33 AOCU_MDRV-X_OFF
0026   +. DC 02-34 AOCU_MDRV-Y_OFF
0027   +. DC 02-35 AOCU_MDRV-Z_OFF
0028   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> X = OFF ?
0029   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> Y = OFF ?
0030   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> Z = OFF ?
0031   . C.
0032   . C.
0033   . C.  ¡ú¥Ç¡¼¥¿¼èÆÀ¤Î¿¤á¡¢Ìó1minÂÔµ¡
0034   . C.
0035   . C. **************************
0036   . C.  MDRV ON
0037   . C. **************************
0038   . C.
0039   . C. ***** MTQ¶îÆ°°Æ³« *****
0040   +. DC 02-32 AOCU_MDRV_ON
0041   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> X = ON ?
0042   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> Y = ON ?
0043   . C.                                        [    ] <A_AOS> [COMPONENT STS] <MDRV> Z = ON ?
0044   . C.
0045   . C.
0046   . C. =====  End of AOCS CMD Sequence =====
0047   . C.
0048     C.
0049     C. ************ XRT START ************
0050     C.
0051   +. DC 07-F0 MDP_XRT_CTRL_MANU
0052     BC       (c1)
0053   +  DC 07-F0 MDP_XRT_MODE_STBY
0054     BC       (c3)
0055   . C. ------------ Success Verify ?              OK / NG____
0056     C.
0057     C. XRT Obs. Table Upload
0058   . S. RAM   ram-291:MDP_OBS_X
0059     ()
0060     C.
0061   +. DC 07-F0 MDP_DUMP_XRTTBL
0062     BC       (84 07 00 00 00 3a d4)
0063   . C. ------------ Comparison Check ?                        OK / ERR ____
0064     C.
0065     C.
0066   +. DC 07-F0 MDP_XRT_ROI_SET
0067     BC       (cd 01 b1 b1 04 04)
0068   +  DC 07-F0 MDP_XRT_ROI_SET
0069     BC       (cd 02 b1 b1 08 08)
0070   +  DC 07-F0 MDP_XRT_ROI_SET
0071     BC       (cd 03 b1 b1 08 08)
0072   +  DC 07-F0 MDP_XRT_ROI_SET
0073     BC       (cd 04 b1 b1 06 06)
0074   +  DC 07-F0 MDP_XRT_ROI_SET
0075     BC       (cd 05 85 83 06 06)
0076   +  DC 07-F0 MDP_XRT_ROI_SET
0077     BC       (cd 06 85 83 06 06)
0078   +  DC 07-F0 MDP_XRT_ROI_SET
0079     BC       (cd 07 c0 c0 10 10)
0080   +  DC 07-F0 MDP_XRT_ROI_SET
0081     BC       (cd 08 80 80 20 20)
0082   +  DC 07-F0 MDP_XRT_ROI_SET
0083     BC       (cd 09 40 c0 10 10)
0084   +  DC 07-F0 MDP_XRT_ROI_SET
0085     BC       (cd 0a 40 40 10 10)
0086   +  DC 07-F0 MDP_XRT_ROI_SET
0087     BC       (cd 0b c0 40 10 10)
0088   +  DC 07-F0 MDP_XRT_ROI_SET
0089     BC       (cd 0c 80 80 20 08)
0090   +  DC 07-F0 MDP_XRT_ROI_SET
0091     BC       (cd 0d 80 80 08 20)
0092   +  DC 07-F0 MDP_XRT_ROI_SET
0093     BC       (cd 0e 80 80 08 08)
0094   +  DC 07-F0 MDP_XRT_ROI_SET
0095     BC       (cd 0f 80 80 06 06)
```

```
0096  +  DC 07-F0 MDP_XRT_ROI_SET
0097     BC       (cd 10 80 80 08 08)
0098  +  DC 07-F0 MDP_XRT_FLD_ENA
0099     BC       (d8)
0100  +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0101     BC       (c8)
0102  +  DC 07-F0 MDP_XRT_ARS_DIS
0103     BC       (d5)
0104  +  DC 07-F0 MDP_XRT_AEC_RESET
0105     BC       (d0)
0106  +  DC 07-F0 MDP_XRT_FLD_RESET
0107     BC       (da)
0108  +. DC 07-F0 MDP_XRT_QT_PROG_SET
0109     BC       (c4 14)
0110  +. DC 07-F0 MDP_XRT_FL_PROG_SET
0111     BC       (c5 04)
0112   . C. ---------- Success Verify ?            OK / NG ____
0113     C.
0114     C.
0115   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0116     C.
0117  +. DC 07-F0 MDP_XRT_MODE_OBSV
0118     BC       (c2)
0119  +. TI 2022-09-27 10:16:02.0
0120     DC 07-F0 MDP_XRT_MODE_OBSV
0121     BC       (c2)
0122   . C. ---------- Success Verify ?            OK / NG ____
0123     C.
0124     C. ************ XRT END ***********
0125     C.
0126   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0127     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0128   . S. DC-BC dcbc-402:DCBC
0129     (MDP_known_event)
0130     C.
0131     C.
0132   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0133   . S. DC-BC dcbc-153:DCBC
0134     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0135     C.
0136     C.
0137   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0138     C.
0139   . C. ********** LOS **********
0140     C.
```

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

2022/09/27  10:27:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 00 00 00 00 00
2022/09/27  11:00:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  11:00:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  11:00:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  11:00:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  11:03:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  13:35:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 03 03 e7 01 db
2022/09/27  16:23:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  16:23:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  16:23:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  16:23:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  16:26:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  16:39:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  16:39:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  16:39:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  16:39:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  16:42:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  17:59:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  17:59:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  17:59:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  17:59:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  18:02:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  18:23:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM               5 02-76 00 00 00 00 00
2022/09/27  18:33:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM               5 02-76 03 03 e7 01 db
2022/09/27  19:36:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  19:36:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  19:36:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  19:36:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  19:39:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  21:13:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  21:13:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  21:13:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  21:13:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  21:16:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/27  22:51:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  22:51:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/27  22:51:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/27  22:51:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/27  22:54:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/28  00:28:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/28  00:28:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/28  00:28:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET     1 07-F0 da
2022/09/28  00:28:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT   1 07-F0 e8
2022/09/28  00:31:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP   1 07-F0 e9
2022/09/28  01:56:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU     1 07-F0 c1
2022/09/28  01:56:32.0  XRT_CTRL_MANU_402_OG [0x192]
```

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                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  01:56:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  01:56:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  01:59:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  03:27:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  03:27:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  03:27:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  03:27:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  03:30:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  04:55:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  04:55:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  04:55:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  04:55:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  04:58:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  05:53:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2022/09/28  06:03:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                    AOCU_NM              5 02-76 03 03 e7 01 db
2022/09/28  06:09:00.0  XRT_TCIB_XRT_S_HTR_A_DIS_435_OG [0x1b3]
                                    TCIB_XRT_S_HTR_A_DIS 0 04-C0
2022/09/28  06:35:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  06:35:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  06:35:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  06:35:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  06:38:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  08:16:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  08:16:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  08:16:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  08:16:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  08:19:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  09:55:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  09:55:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  09:55:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  09:55:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  09:58:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  11:38:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  11:38:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  11:38:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  11:38:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  11:41:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  12:00:00.0  XRT_CTRL_MANU_405_OG [0x195]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:00:10.0  XRT_FOCUS_RECALIBRATE_445_OG [0x1bd]
                                    XRT_FOCUS_RECAL      2 07-F8 78 00
2022/09/28  12:04:10.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:09:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:09:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:09:58.0  XRT_FOCUS_POSITION_443_OG [0x1bb]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:10:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                    AOCU_NM              5 02-76 00 2e f9 2e f9
2022/09/28  12:12:52.0  XRT_ARS_DIS_426_OG [0x1aa]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  12:12:54.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  12:12:56.0  XRT_FLD_DIS_427_OG [0x1ab]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
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2022/09/28  12:12:58.0  XRT_QT_PROG_SET_432_OG [0x1b0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 09
2022/09/28  12:13:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  12:19:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:19:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:19:58.0  XRT_FOCUS_POSITION_443_OG [0x1bb]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:20:00.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM              5 02-76 00 2e f9 d1 07
2022/09/28  12:22:52.0  XRT_ARS_DIS_426_OG [0x1aa]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  12:22:54.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  12:22:56.0  XRT_FLD_DIS_427_OG [0x1ab]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/28  12:22:58.0  XRT_QT_PROG_SET_416_OG [0x1a0]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 10
2022/09/28  12:23:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  12:29:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:29:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:29:58.0  XRT_FOCUS_POSITION_443_OG [0x1bb]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:30:00.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 00 d1 07 d1 07
2022/09/28  12:32:52.0  XRT_ARS_DIS_426_OG [0x1aa]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  12:32:54.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  12:32:56.0  XRT_FLD_DIS_427_OG [0x1ab]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/28  12:32:58.0  XRT_QT_PROG_SET_431_OG [0x1af]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2022/09/28  12:33:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  12:39:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:39:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:39:58.0  XRT_FOCUS_POSITION_443_OG [0x1bb]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:40:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM              5 02-76 00 d1 07 2e f9
2022/09/28  12:42:52.0  XRT_ARS_DIS_426_OG [0x1aa]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  12:42:54.0  XRT_FLRCTRL_DIS_449_OG [0x1c1]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  12:42:56.0  XRT_FLD_DIS_427_OG [0x1ab]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/28  12:42:58.0  XRT_QT_PROG_SET_447_OG [0x1bf]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 01
2022/09/28  12:43:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  12:49:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:49:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  12:50:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 00 00 00 00
2022/09/28  12:50:16.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/28  12:50:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  12:50:20.0  XRT_ARS_DIS_404_OG [0x194]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  12:52:58.0  XRT_QT_PROG_SET_417_OG [0x1a1]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2022/09/28  12:53:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  12:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  12:59:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/09/28  13:00:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 01 03 e7 01 db
2022/09/28  13:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/28  13:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/28  13:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/28  13:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  13:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  13:02:56.0  XRT_QT_PROG_SET_441_OG [0x1b9]
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                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2022/09/28  13:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/28  13:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  15:24:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  15:24:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  15:24:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  15:24:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  15:27:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  15:32:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  15:33:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  16:57:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  16:57:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  16:57:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  16:57:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  17:00:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  17:21:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  17:22:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  17:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  17:59:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/28  18:00:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                    AOCU_NM              5 02-76 00 00 00 00 00
2022/09/28  18:00:16.0  XRT_FLD_DIS_409_OG [0x199]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/28  18:00:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/28  18:00:20.0  XRT_ARS_DIS_404_OG [0x194]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  18:02:58.0  XRT_QT_PROG_SET_437_OG [0x1b5]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 12
2022/09/28  18:03:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  18:09:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  18:09:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  18:09:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                    XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/09/28  18:10:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                    AOCU_NM              5 02-76 01 03 e7 01 db
2022/09/28  18:10:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/28  18:10:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/28  18:10:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/28  18:10:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  18:10:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  18:12:56.0  XRT_QT_PROG_SET_441_OG [0x1b9]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2022/09/28  18:12:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/28  18:13:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  18:34:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  18:34:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  18:34:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  18:34:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  18:37:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                    MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  18:58:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  18:59:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  20:11:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  20:11:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  20:11:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  20:11:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                    MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  20:14:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
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                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  20:30:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  20:30:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  20:30:04.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/09/28  20:30:24.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/28  20:30:26.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/28  20:30:28.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/28  20:30:30.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/28  20:30:32.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  20:33:02.0  XRT_QT_PROG_SET_422_OG [0x1a6]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0e
2022/09/28  20:33:04.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/28  20:34:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  20:35:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  21:48:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  21:48:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  21:48:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  21:48:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  21:51:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  22:12:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  22:13:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/28  23:26:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  23:26:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/28  23:26:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/28  23:26:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/28  23:29:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/28  23:47:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/28  23:48:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  00:02:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  00:02:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  00:02:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                        XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/09/29  00:03:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                        MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/29  00:03:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                        MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/29  00:03:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                        MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/29  00:03:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                        MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/29  00:03:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  00:05:56.0  XRT_QT_PROG_SET_441_OG [0x1b9]
                                        MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2022/09/29  00:05:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                        MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/29  00:06:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  01:03:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  01:03:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  01:03:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  01:03:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  01:06:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                        MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  01:11:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  01:12:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                        MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  02:27:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  02:27:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                        MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  02:27:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                        MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  02:27:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                        MDP_XRT_PREFLR_STRT  1 07-F0 e8
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2022/09/29  02:30:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  02:45:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  02:46:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  03:59:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  03:59:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  03:59:58.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/29  04:00:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 00 00 00 00
2022/09/29  04:00:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/29  04:00:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/29  04:00:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/29  04:00:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/29  04:00:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  04:01:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  04:01:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  04:01:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  04:01:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  04:02:56.0  XRT_QT_PROG_SET_429_OG [0x1ad]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 07
2022/09/29  04:02:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/29  04:04:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  04:22:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  04:23:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  05:31:30.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  05:31:32.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  05:31:34.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  05:31:36.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  05:34:44.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  06:00:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  06:01:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  06:08:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  06:08:56.0  XRT_FOCUS_POSITION_406_OG [0x196]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2022/09/29  06:09:16.0  XRT_FLD_DIS_409_OG [0x199]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2022/09/29  06:09:18.0  XRT_FLRCTRL_DIS_413_OG [0x19d]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2022/09/29  06:09:20.0  XRT_ARS_DIS_404_OG [0x194]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/29  06:11:58.0  XRT_QT_PROG_SET_437_OG [0x1b5]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 12
2022/09/29  06:12:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  06:18:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  06:18:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  06:18:58.0  XRT_FOCUS_POSITION_410_OG [0x19a]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2022/09/29  06:19:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 01 03 e7 01 db
2022/09/29  06:19:18.0  XRT_FLD_ENA_411_OG [0x19b]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2022/09/29  06:19:20.0  XRT_FLRCTRL_ENA_412_OG [0x19c]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2022/09/29  06:19:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2022/09/29  06:19:24.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2022/09/29  06:19:26.0  XRT_FLD_RESET_434_OG [0x1b2]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  06:21:56.0  XRT_QT_PROG_SET_441_OG [0x1b9]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0d
2022/09/29  06:21:58.0  XRT_FL_PROG_SET_418_OG [0x1a2]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 04
2022/09/29  06:22:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  07:12:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
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2022/09/29  07:12:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  07:12:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  07:12:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  07:15:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  07:37:30.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  07:38:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  08:52:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  08:52:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  08:52:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  08:52:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  08:55:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  09:14:00.0  XRT_Custom_430_OG [0x1ae]
2022/09/29  09:15:00.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2022/09/29  10:32:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  10:32:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2022/09/29  10:32:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2022/09/29  10:32:06.0  XRT_PREFLR_STRT_436_OG [0x1b4]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2022/09/29  10:35:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2022/09/29  11:07:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 00 00 00 00
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