

XRT Timeline to be uploaded on 2023/03/09

Period: 2023/03/09 11:31:00 - 2023/03/14 11:10:00

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Normal mode

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XOB #1C93: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 240s

Term	Pointing (x, y)	Comment
03/09 11:47:30 - 03/09 17:59:54	Track (346.5, 233.9) ^{Ⓢ 03/09 11:41:00}	# OP start + 10min + AR13242 + HOP 451
03/09 18:13:00 - 03/10 03:59:54	Track (400.9, 230.7) ^{Ⓢ 03/09 18:10:00}	AR13242 + HOP 451
03/10 06:27:00 - 03/10 09:59:54	Track (498.9, 223.6) ^{Ⓢ 03/10 06:24:00}	AR 13242 + HOP 451
03/10 21:15:30 - 03/10 23:59:54	Track (604.9, 213.3) ^{Ⓢ 03/10 20:50:00}	AR 13242 + HOP 451
03/11 05:58:30 - 03/11 09:32:00	Track (665.5, 205.9) ^{Ⓢ 03/11 05:55:30}	AR 13242 + HOP 451

PROG= 11 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				
Seqn= 71 3-time(s) 2.0sec												
Open/thick-Al	Open/thick-Be close	Safe Norm 16.0s	Obs 1x1	512x512 (1064, 1048)	Q=98	3	0	2.0sec				
Subr= 2 30-time(s) 240.0sec												
Seqn= 94 1-time(s) 40.0sec												
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms	Obs 1x1	512x512 (1064, 1048)	Q=95	2	0	2.0sec				
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms	Obs 1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec				
Seqn= 58 1-time(s) 40.0sec												
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms	Obs 1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec				
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s	Obs 1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec				
Seqn= 48 1-time(s) 2.0sec												
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms	Obs 1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec				
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s	Obs 1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec				
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1CEE: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(12/181/1443), Thin-Be(33/512/4096), Thick-Be(32768), Med-Al(512/8192/32768), Med-Be(128/57

Term	Pointing (x, y)	Comment
03/09 18:03:00 - 03/09 18:09:54	Fixed (0.0, 0.0)	synoptic
03/10 06:17:00 - 03/10 06:23:54	Fixed (0.0, 0.0)	HOP 349 + synoptic
03/10 18:03:30 - 03/10 18:10:24	Fixed (0.0, 0.0)	synoptic, shifted 0.5 min
03/11 05:48:30 - 03/11 05:55:24	Fixed (0.0, 0.0)	HOP 349 + synoptic

PROG= 20 1-time(s)

Subr= 1	1-time(s)	2.0sec										
Seqn= 5 1-time(s) 2.0sec												
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms	Obs 4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms	Obs 8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms	Obs 1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms	Obs 1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec				
Seqn= 26 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh close	Safe Norm 5ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Open/Al-mesh	Open/Al-mesh close	Safe Norm 125ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Open/Al-mesh	Open/Al-mesh close	Safe Norm 707ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 15 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open close	Safe Norm 12ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Al-poly/Open	Al-poly/Open close	Safe Norm 177ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 1.41s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 83 1-time(s) 2.0sec												
thin-Be/Open	thin-Be/Open close	Safe Norm 32ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
thin-Be/Open	thin-Be/Open close	Safe Norm 500ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
thin-Be/Open	thin-Be/Open close	Safe Norm 4.00s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 23 1-time(s) 4.0sec												
Open/G-band	Open/G-band open	Safe Norm 1ms	Obs 1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec				
Open/G-band	Open/G-band close	Safe Norm 1ms	Obs 1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Subr= 2 1-time(s) 2.0sec												
Seqn= 41 1-time(s) 2.0sec												
Open/thick-Be	Open/thick-Be close	Safe Norm 32.0s	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Seqn= 17 1-time(s) 2.0sec												
med-Al/Open	med-Al/thick-Al close	Safe Norm 250ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
med-Al/Open	med-Al/thick-Al close	Safe Norm 8.00s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
med-Al/Open	med-Al/Open close	Safe Norm 32.0s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 33 1-time(s) 2.0sec												
med-Be/Open	Open/thick-Al close	Safe Norm 125ms	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
med-Be/Open	med-Be/Open close	Safe Norm 5.66s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
med-Be/Open	med-Be/Open close	Safe Norm 22.6s	Obs 2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 56 1-time(s) 2.0sec												
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 63ms	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 2.00s	Obs 2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec				
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1CD0: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[12/181/1443], thin-Be[24/512/3897] with 512x512 G-band+Leak - 300min cad) + CME watch

Term	Pointing (x, y)	Comment
03/10 04:03:00 - 03/10 06:13:54	Fixed (0.0, 0.0)	HOP 349 + synoptic
03/11 04:03:00 - 03/11 05:45:24	Fixed (0.0, 0.0)	HOP 349 + synoptic
PROG= 18 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 20-time(s) 900.0sec		
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 #1CDF: HOP81/206 1-filter - Al/poly 6s, 60s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
03/10 10:03:00 - 03/10 17:37:00	Fixed (-21.0, -959.0)	HOP 206
PROG= 08 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 16 2-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 90 1-time(s) 30.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Subr= 3 60-time(s) 60.0sec		
Seqn= 24 1-time(s) 30.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #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
03/10 18:13:30 - 03/10 20:49:54	Track (18.9, -19.9) @ 03/10 18:10:30	ALMA CH boundary obs. with IRIS
PROG= 09 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 30 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 5-time(s) 720.0sec		
Seqn= 8 1-time(s) 2.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec
Seqn= 6 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1CDE: HOP393/336 - 4x4 - Full Sun double long/short pair AEC 2/3 - Al-poly - Dark (512ms) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 700s cad

Term	Pointing (x, y)	Comment
03/11 00:03:00 - 03/11 03:59:54	Track (-21.0, 83.5) @ 03/11 00:00:00	HOP 393
PROG= 07 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 30 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 52 1-time(s) 2.0sec		

Al-poly/Open	Al-poly/Open	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	DPCM	0	0	2.0sec
Subr= 2 30-time(s) 720.0sec												
Seqn= 97 2-time(s) 2.0sec												
Al-poly/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Flare mode

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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
03/09 11:47:30 - 03/09 17:59:54	Track (346.5, 233.9) ^{03/09 11:41:00}	# OP start + 10min + AR13242 + HOP 451
03/09 18:13:00 - 03/10 03:59:54	Track (400.9, 230.7) ^{03/09 18:10:00}	AR13242 + HOP 451
03/10 04:03:00 - 03/10 06:13:54	Fixed (0.0, 0.0)	HOP 349 + synoptic
03/10 06:27:00 - 03/10 09:59:54	Track (498.9, 223.6) ^{03/10 06:24:00}	AR 13242 + HOP 451
03/10 10:03:00 - 03/10 17:37:00	Fixed (-21.0, -959.0)	HOP 206
03/10 18:13:30 - 03/10 20:49:54	Track (18.9, -19.9) ^{03/10 18:10:30}	ALMA CH boundary obs. with IRIS
03/10 21:15:30 - 03/10 23:59:54	Track (604.9, 213.3) ^{03/10 20:50:00}	AR 13242 + HOP 451
03/11 00:03:00 - 03/11 03:59:54	Track (-21.0, 83.5) ^{03/11 00:00:00}	HOP 393
03/11 04:03:00 - 03/11 05:45:24	Fixed (0.0, 0.0)	HOP 349 + synoptic
03/11 05:58:30 - 03/11 09:32:00	Track (665.5, 205.9) ^{03/11 05:55:30}	AR 13242 + HOP 451

PROG= 04 30-time(s)

Subr= 1 20-time(s) 2.0sec												
Seqn= 11 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 73 1-time(s) 10.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
med-Be/Open	Open/thick-Al	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 10 1-time(s) 2.0sec												
med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 11 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 87 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Active Region Search

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NOT USED

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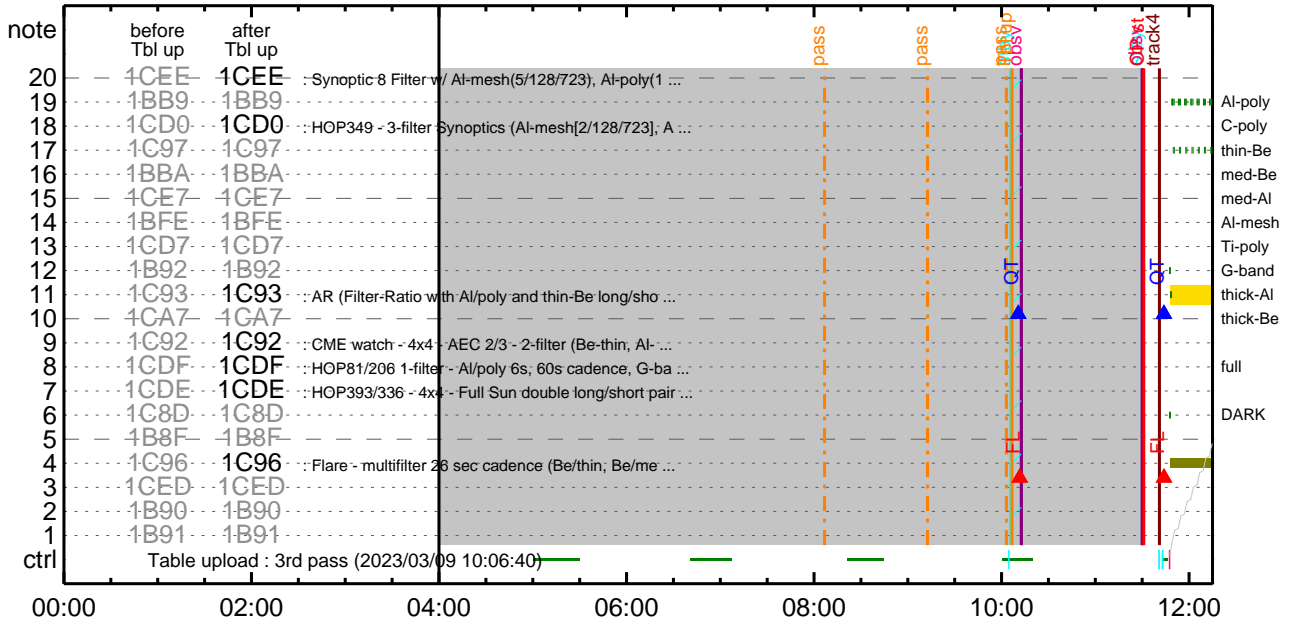
Flare Detection

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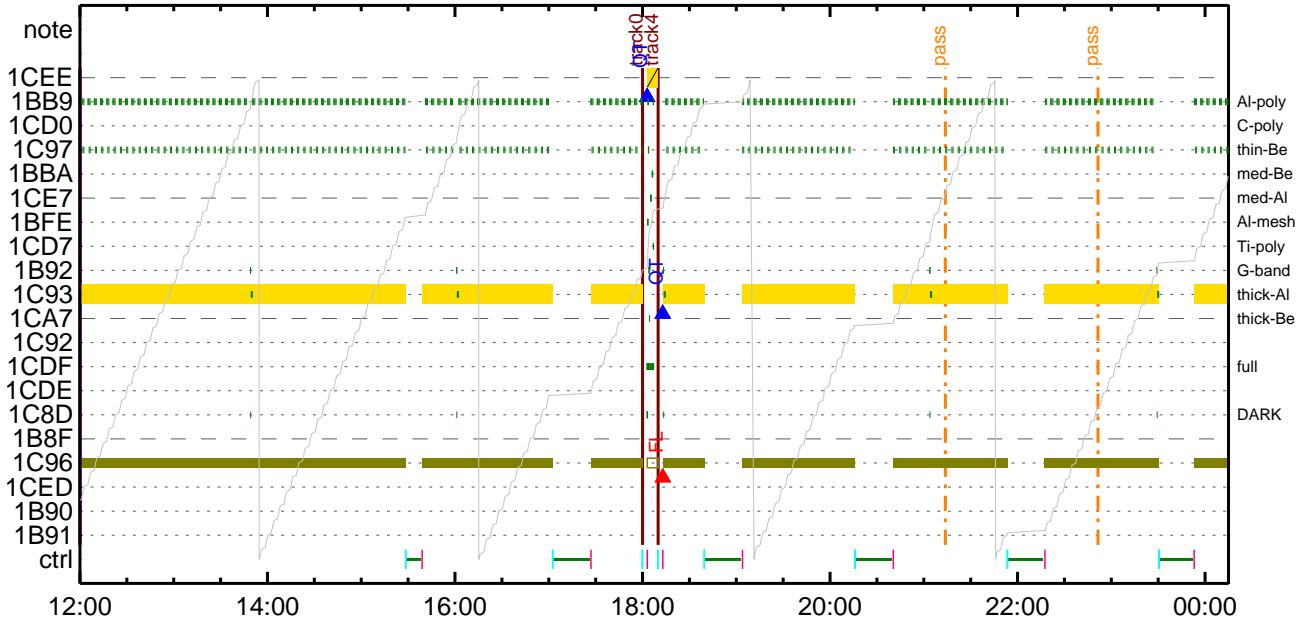
FLD Patrol

Term	Pointing (x, y)	Comment
03/09 10:07:40 - 03/09 18:00:18	cannot be identified	
03/09 18:10:18 - 03/10 06:14:18	Track (400.9, 230.7) ^{03/09 18:10:00}	AR13242 + HOP 451
03/10 06:24:18 - 03/10 18:00:48	Track (498.9, 223.6) ^{03/10 06:24:00}	AR 13242 + HOP 451
03/10 18:10:48 - 03/11 05:45:48	Track (18.9, -19.9) ^{03/10 18:10:30}	ALMA CH boundary obs. with IRIS
03/11 05:55:48 - 03/14 11:10:00	Track (665.5, 205.9) ^{03/11 05:55:30}	AR 13242 + HOP 451
Al-poly/Open	Al-poly/Open	close Safe Norm 4ms Obs 8x8 Q=50 30sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

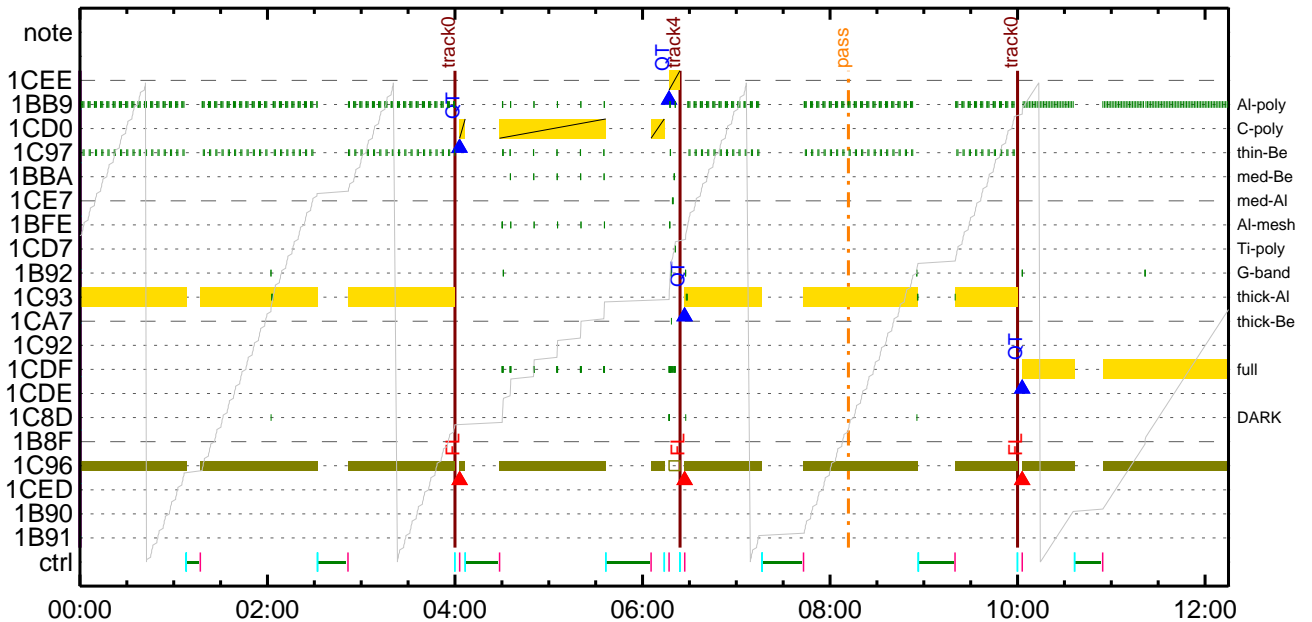
CMDI #0937 2023/03/09



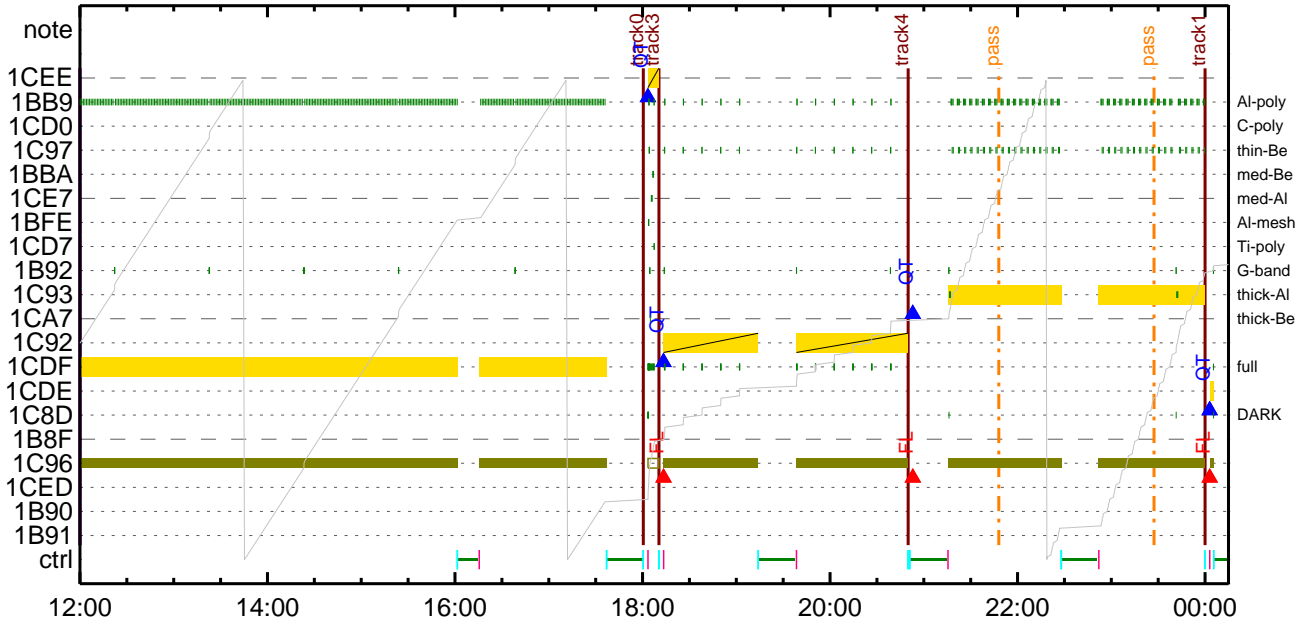
CMDI #0937 2023/03/09



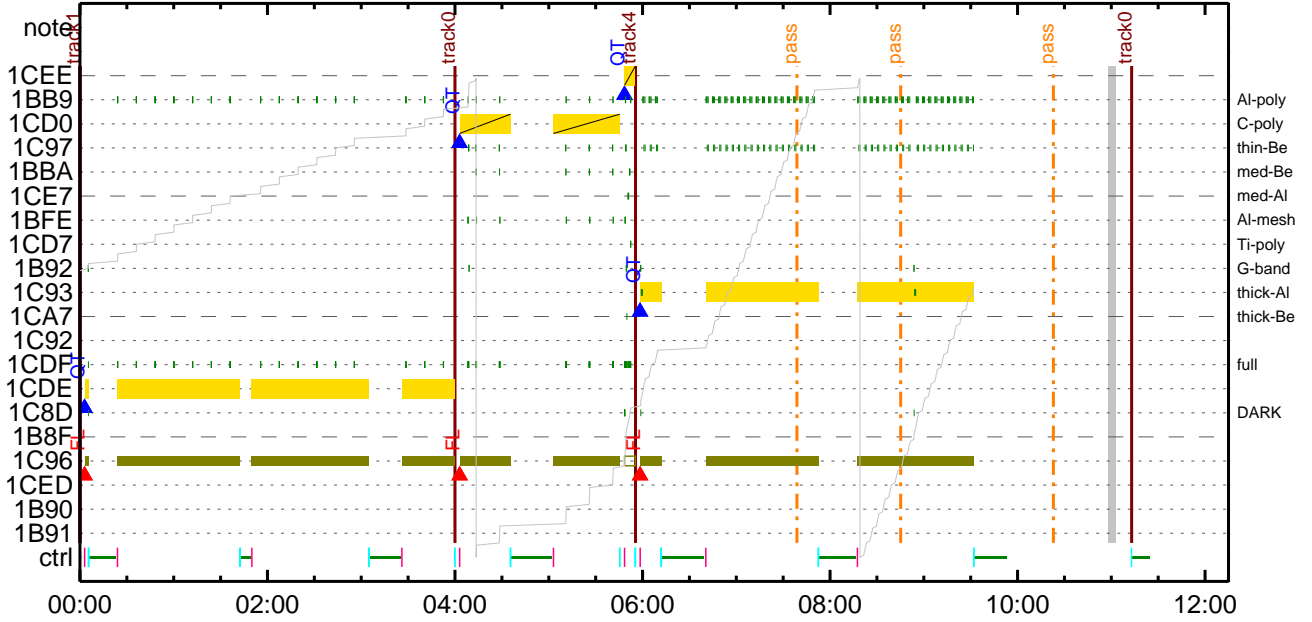
CMDI #0937 2023/03/10



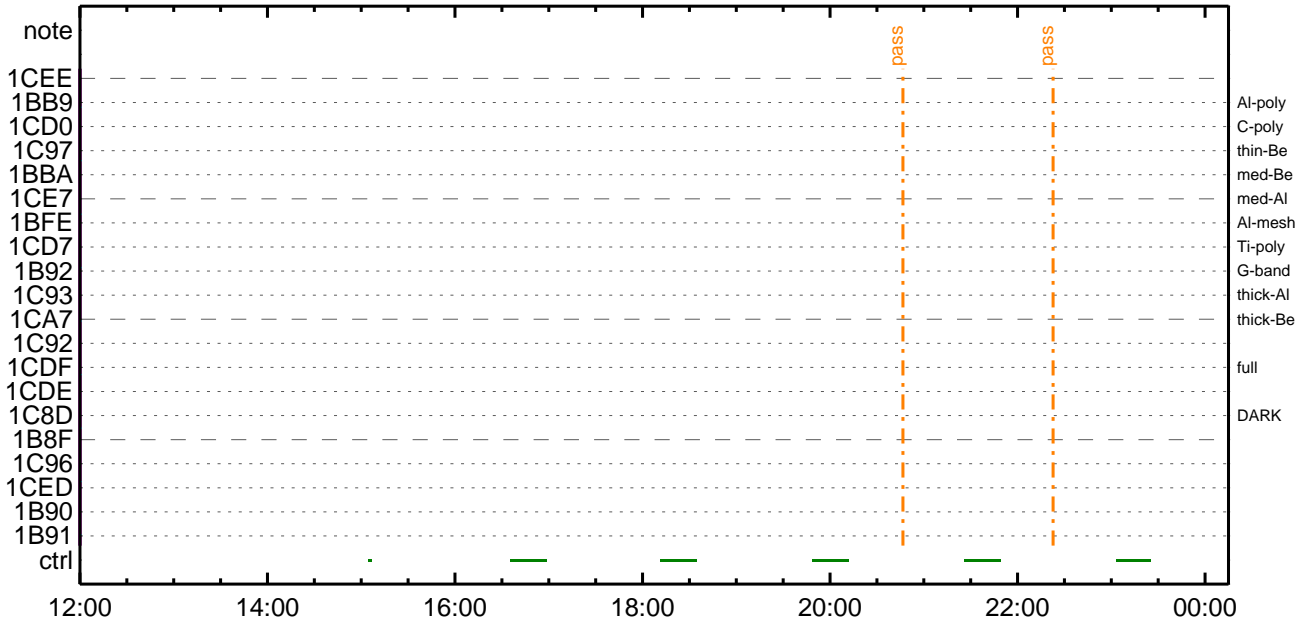
CMDI #0937 2023/03/10



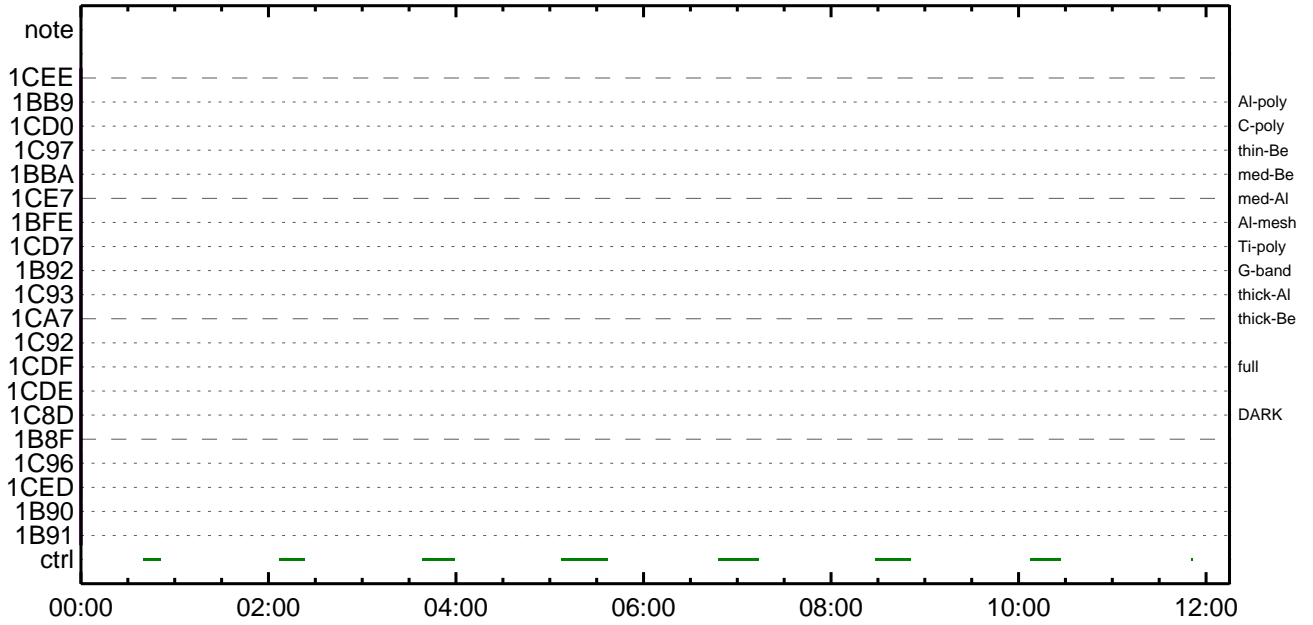
CMDI #0937 2023/03/11



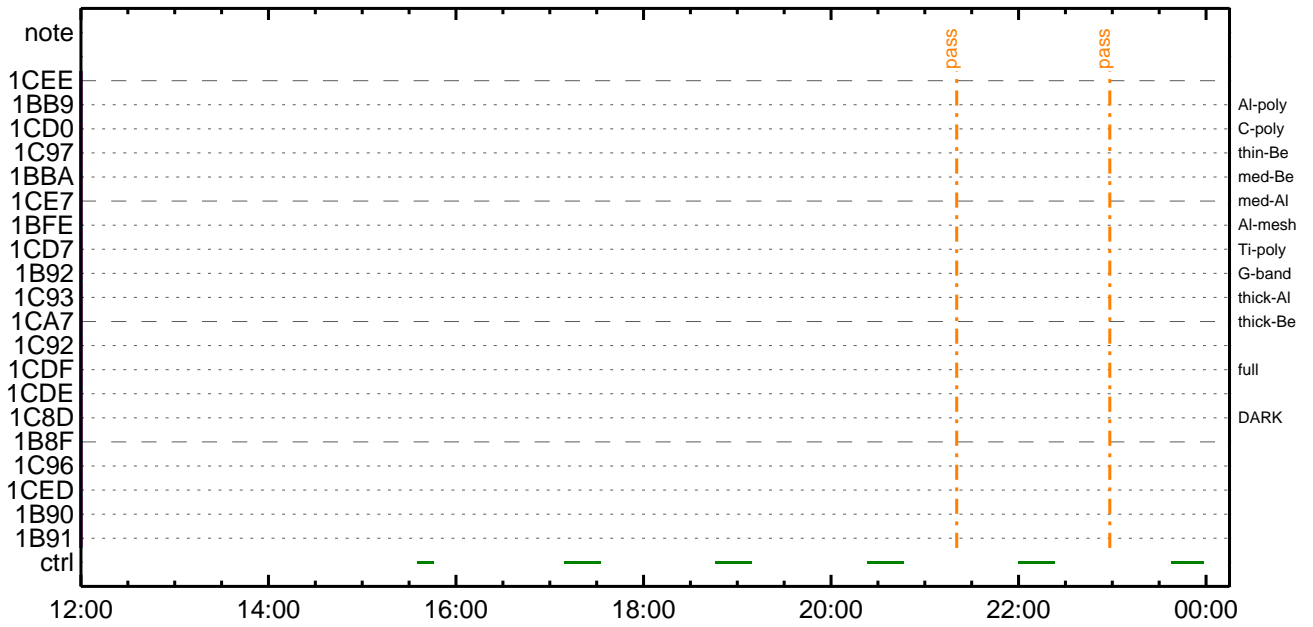
CMDI #0937 2023/03/11



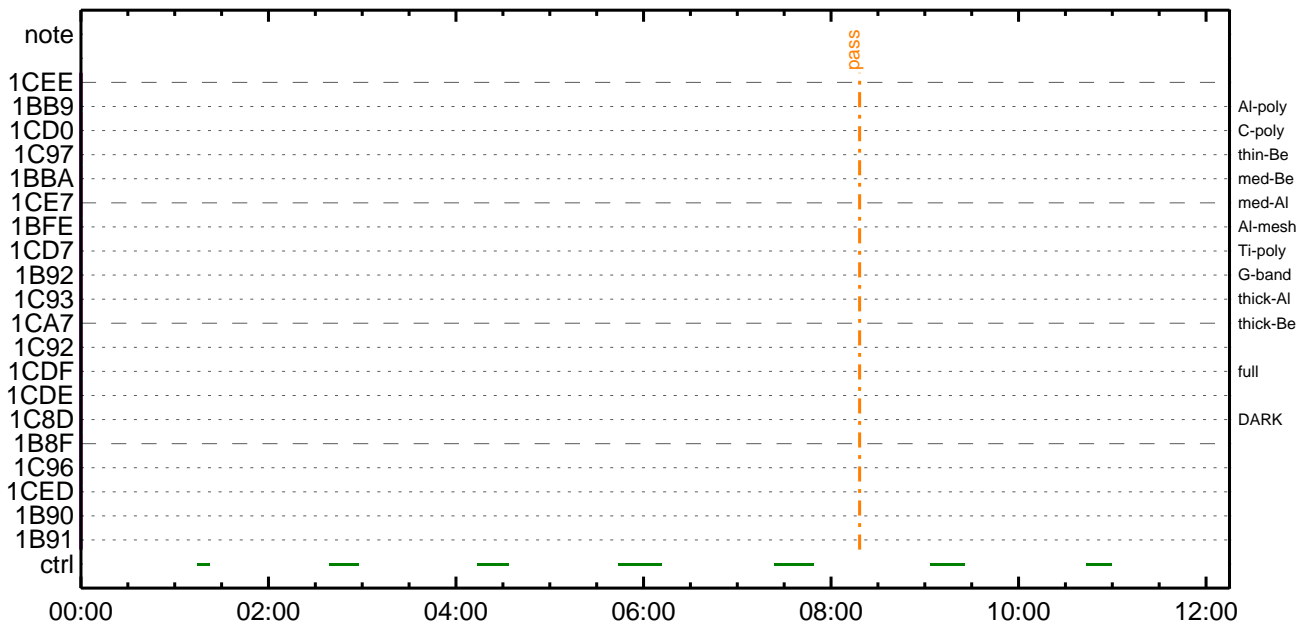
CMDI #0937 2023/03/12



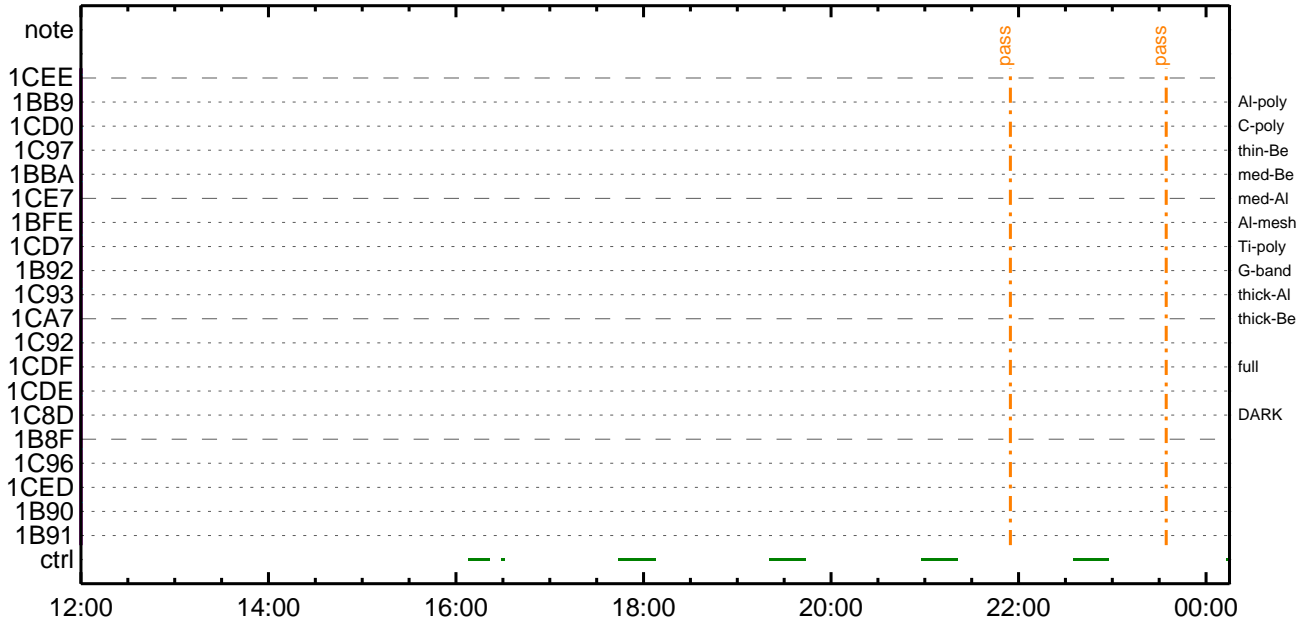
CMDI #0937 2023/03/12



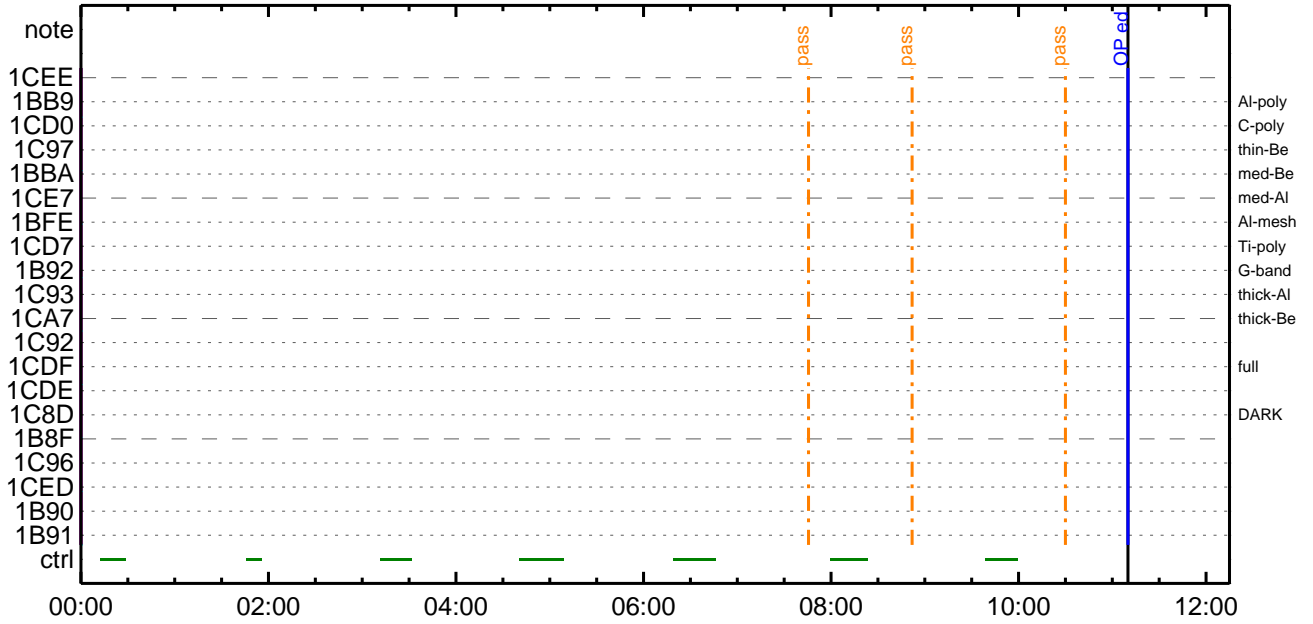
CMDI #0937 2023/03/13



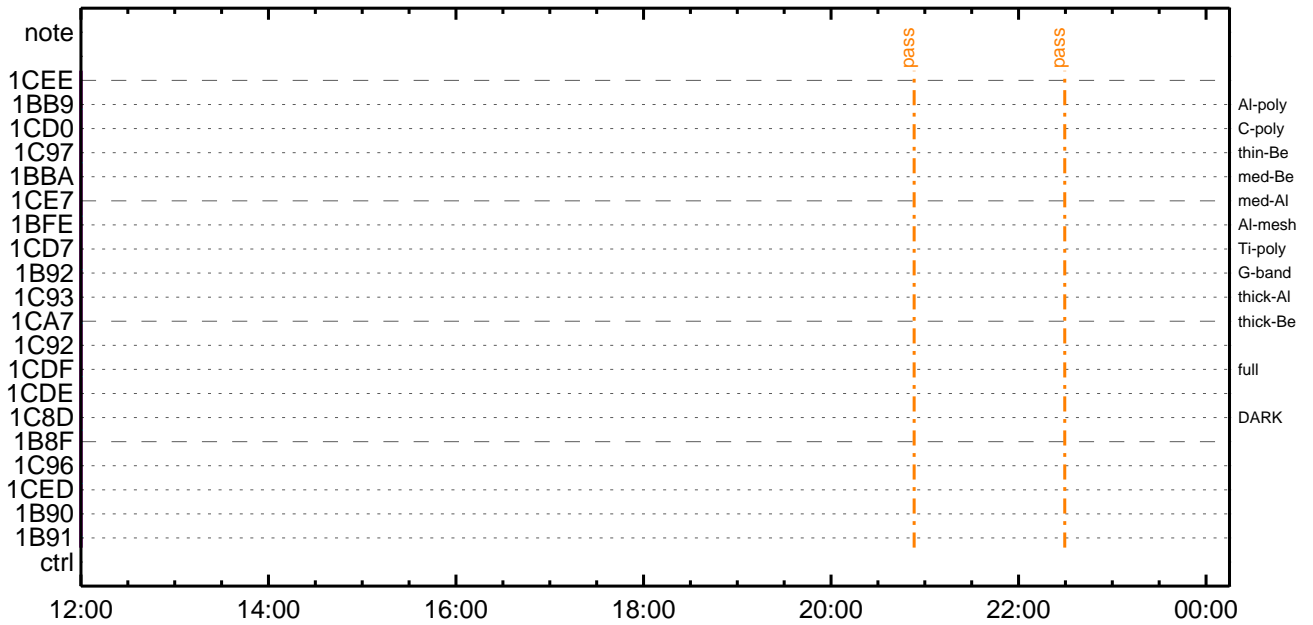
CMDI #0937 2023/03/13



CMDI #0937 2023/03/14



CMDI #0937 2023/03/14




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0096 C.          SET EDUMP  I  Y  N  Y  1  Q  1  0  a |  a  3  a  E ; f
0097 C.
0098 C.      TI  Y  3  Y  P  Y  0  Y  E  a  d  A  D  i  j  (UT)
0099 +. TI      2023-03-09 11:26:00.0
0100 DC      01-B3 DHU_OP_STOP
0101 C.          c c [ HK1_TI_CMD_NUM ]           EQ      1COUNTUP
0102 C.
0103 +. TI      2023-03-09 11:26:01.0
0104 DC      01-B4 DHU_OP_COPY
0105 C.          c c [ HK1_TI_CMD_NUM ]           EQ      1COUNTUP
0106 C.
0107 +. TI      2023-03-09 11:26:01.0
0108 DC      01-B5 DHU_OPOG_COPY
0109 C.          c c [ HK1_TI_CMD_NUM ]           EQ      1COUNTUP
0110 C.
0111 +. TI      2023-03-09 11:30:59.5
0112 DC      01-B2 DHU_OP_START
0113 C.          c c [ HK1_TI_CMD_NUM ]           EQ      1COUNTUP
0114 C.
0115 C.      e  2  %  a  i  A  e  %  i  i  N  a  i  Y  A  Y  %  Y  A  Y  -  1  a  i  U
0116 C.          c c [ HK1_TI_CMD_ENA/DIS ]         EQ      ENA
0117 C.          c c [ HK1_TI_CMD_NUM ]           EQ      4
0118 C.          c c [ HK1_NEXT_EXEC_PIM ]         EQ      DHU
0119 C.          c c [ HK1_NEXT_EXEC_DC ]          EQ      0xB3
0120 C.
0121 C.      *****
0122 C.      TI  i  i  o  e  Y  A  Y  0  Y  x
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.          c c [ HK1_DMP_TOP_ADRS_1 ]         EQ      07
0129 C.          c c [ HK1_DMP_TOP_ADRS_0 ]         EQ      2B
0130 C.          c c [ HK1_DMP_BLOCK_NUM ]         EQ      3
0131 C.          c c [ HK1_DMP_REPEAT_NUM ]        EQ      0
0132 C.          c c [ HK1_DMA_DMP_PIM ]          EQ      DHU
0133 +. DC      01-22 DHU_MODE_CHNG
0134 BC      (07 0b f8)
0135 C.          c c [ HK1_PKT_FORM_NO ]           EQ      7
0136 C.          c c [ HK1_PKT_GEN_TIME ]         EQ      0.25 s
0137 C.          c c [ HK1_S_TLM_BIT_RATE ]       EQ      32k
0138 C.          c c [ HK1_X_TLM_BIT_RATE ]      EQ      4M
0139 C.          c c [ HK1_DMP_CHK_FLG ]         EQ      EXEC
0140 C.
0141 C.      Y  A  Y  0  Y  x  %  a  i  >  a  d  3  i  C  S
0142 C.          c c [ HK1_DMP_CHK_FLG ]         EQ      NON
0143 C.
0144 C.      RAM ID=TI_TBL  a  i  %  E  1  C  .  e  2  i  O  K  a  d  3  i  C  S
0145 C.
0146 C.      DHU  Y  a  ;  %  Y  E  ;  E  %  Y  %  ,  Y  i  ;  %  Y  E  ;  E  a  d  i  a  a  1
0147 +. DC      01-22 DHU_MODE_CHNG
0148 BC      (02 0a f8)
0149 C.          c c [ HK1_PKT_FORM_NO ]           EQ      2
0150 C.          c c [ HK1_PKT_GEN_TIME ]         EQ      0.5S
0151 C.          c c [ HK1_S_TLM_BIT_RATE ]       EQ      32K
0152 C.          c c [ HK1_X_TLM_BIT_RATE ]      EQ      4M
0153 C.
0154 C.      *****
0155 C.      SOT TI command set
0156 C.      *****
0157 C.      Execute, after the success of OP upload.
0158 +. TI      2023-03-09 11:30:16.0
0159 DC      07-F0 MDP_SOT_MODE_STBY
0160 BC      (41)
0161 C.      -----
0162 C.      HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C.      -----
0164 C.      ***** SOT END *****
0165 C.      Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C.      ***** Start EIS operation (TI set) *****
0169 C.      Execute, after the success of OP upload.
0170 C.      Set EIS TI-commands
0171 +. TI      2023-03-09 11:30:30.0
0172 DC      07-FC EIS_MODE_MANU
0173 BC      (21 02)
0174 +. TI      2023-03-09 11:30:40.0
0175 DC      07-FC EIS_MODE_CHG_DIS
0176 BC      (22)
0177 C.          [ ] [ HK1_TI_CMD_NUM ]          EQ      2 COUNTUP
0178 C.      ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C.      ***** XRT START *****
0183 C.      Execute, after the success of OP upload.
0184 +. TI      2023-03-09 11:30:00.0
0185 DC      07-F0 MDP_XRT_MODE_STBY
0186 BC      (c3)
0187 C.          [ ] [ HK1_TI_CMD_NUM ]          EQ      1COUNTUP
0188 C.
0189 C.      ***** XRT END *****
0190 C.
0191 C.      ***** MDP  a  i  a  i  a  i  o  %  Y  o  E  A  D  a  1  a  e  DCBC  .  x  2  e  *****
0192 C.      ( %  a  o  i  Y  0  Y  A  Y  E  Y  P  Y  E  Y  A  Y  c  Y  e  a  E  %  a  a  %  A  >  U  a  1  a  e )
0193 S.      DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```


0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ()
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 []
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK []
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 []
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_CHG_ENA
0131 BC (20)
0132 . C. Verify EIS_MODE_CHG_FLG is ENA
0133 +. DC 07-FC EIS_MODE_MANU
0134 BC (21 02)
0135 . C. Verify EIS in MANUAL mode
0136 . C. Estimated OBSTBL upload time is 9s
0137 C. *****
0138 C. EIS START OBSTBL LOAD
0139 C. *****
0140 . S. RAM ram-820:EIS_OBSTBL
0141 ()
0142 +. DC 07-FC EIS_DUMP_OBSTBL
0143 BC (07 07 07 00 00 70 00)
0144 C.
0145 C. Execute, after the success of OBSTBL upload.
0146 C. Set EIS TI-commands
0147 +. TI 2023-03-09 11:30:50.0
0148 DC 07-FC EIS_MODE_CHG_ENA
0149 BC (20)
0150 . C. [] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0151 C. *****
0152 C. EIS END OBSTBL LOAD
0153 C. *****
0154 C.
0155 . C. ***** MDP [] *****
0156 C. (*****
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** Daily *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Å¥-¼Å»Ü;ã
0167 C.
0168 . C. ***** LOS *****
0169 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-726 2023-03-09 11:34:05 132 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿ãÁ•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈÈÈ¼°ÇÔã•ã¿¼l¹çãÍ;çÁ®, ùã¹ãèãÈãÇÁ+¿®ã•ãÈããã³ãÈ;f
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-289: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 2023-03-09 11:30:18.0
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 85 83 08 08)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 20)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 20 08)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 08 20)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0b 80 80 08 08)
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)
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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 0b)
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 2023-03-09 11:30:02.0
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 `ûÃîñî»ö¼ÿñÊÂðñ¹ñèDCBC•x²è *****
0119 C. (¼ã°îÿÓÿÃÿÊÿPÿËÿãÿçÿèñ¼¼ñ¼Ã»Ûñ¹ñè)
0120 . S. DC-BC dcbc-402:DCBC
0121 (MDP_known_event)
0122 C.
0123 C.
0124 . C. ***** ÿDÿ¹•î Daily±;îññÊ´øñ¹ñèDCBC•x²è *****
0125 . S. DC-BC dcbc-153:DCBC
0126 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0127 C.
0128 C.
0129 . C. ;ãLOSÿÃÿSÿÿÃÿ-¼Ã»Û;ã
0130 C.
0131 . C. ***** LOS *****
0132 C.

```

*** OP Sequence for XRT ***

2023/03/09	11:40:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	11:40:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	11:40:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2023/03/09	11:41:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	04 03 74 01 db			
2023/03/09	11:41:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2023/03/09	11:41:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2023/03/09	11:41:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2023/03/09	11:41:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2023/03/09	11:41:26.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/09	11:43:00.5	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	11:43:02.5	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	11:43:04.5	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/09	11:43:06.5	XRT_PREFLR_STRT_436_OG [0x1b4]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/09	11:43:56.0	XRT_QT_PROG_SET_403_OG [0x193]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b			
2023/03/09	11:43:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04			
2023/03/09	11:46:14.5	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/09	11:46:30.0	XRT_Custom_430_OG [0x1ae]						
2023/03/09	11:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/09	15:28:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	15:28:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	15:28:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/09	15:28:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/09	15:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/09	15:38:00.0	XRT_Custom_430_OG [0x1ae]						
2023/03/09	15:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/09	17:02:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	17:02:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	17:02:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/09	17:02:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/09	17:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/09	17:26:00.0	XRT_Custom_430_OG [0x1ae]						
2023/03/09	17:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/09	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	17:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2023/03/09	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2023/03/09	18:00:18.0	XRT_FLD_DIS_409_OG [0x199]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2023/03/09	18:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2023/03/09	18:00:22.0	XRT_ARS_DIS_421_OG [0x1a5]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2023/03/09	18:02:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14			
2023/03/09	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/09	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/09	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2023/03/09	18:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	04 03 74 01 db			
2023/03/09	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2023/03/09	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			

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2023/03/09	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/09	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/09	18:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/09	18:12:56.0	XRT_QT_PROG_SET_403_OG [0x193]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2023/03/09	18:12:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/09	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/09	18:39:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	18:39:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	18:39:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/09	18:39:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/09	18:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/09	19:03:00.0	XRT_Custom_430_OG [0x1ae]			
2023/03/09	19:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/09	20:16:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	20:16:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	20:16:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/09	20:16:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/09	20:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/09	20:39:30.0	XRT_Custom_430_OG [0x1ae]			
2023/03/09	20:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/09	21:53:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	21:53:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	21:53:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/09	21:53:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/09	21:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/09	22:16:30.0	XRT_Custom_430_OG [0x1ae]			
2023/03/09	22:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/09	23:30:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	23:30:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/09	23:30:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/09	23:30:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/09	23:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/09	23:52:00.0	XRT_Custom_430_OG [0x1ae]			
2023/03/09	23:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	01:08:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	01:08:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	01:08:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	01:08:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/10	01:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/10	01:16:00.0	XRT_Custom_430_OG [0x1ae]			
2023/03/10	01:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	02:32:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	02:32:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	02:32:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	02:32:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/10	02:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/10	02:50:30.0	XRT_Custom_430_OG [0x1ae]			
2023/03/10	02:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			

2023/03/10	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	04:00:00.0	AOCs_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2023/03/10	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00
2023/03/10	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2023/03/10	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2023/03/10	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/10	04:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/10	04:02:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	04:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2023/03/10	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/10	04:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	04:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	04:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	04:06:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	04:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/10	04:27:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/10	04:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2023/03/10	05:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	05:36:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	05:36:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	05:36:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	05:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/10	06:04:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/10	06:05:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2023/03/10	06:13:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	06:13:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	06:13:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	06:14:18.0	XRT_FLD_DIS_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2023/03/10	06:14:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	XRT_FLD_DIS_409_OG [0x199]			
2023/03/10	06:14:22.0	XRT_ARS_DIS_421_OG [0x1a5]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2023/03/10	06:16:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/10	06:17:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2023/03/10	06:23:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	06:23:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	06:23:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	06:24:00.0	AOCs_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2023/03/10	06:24:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04 03 74 01 db
2023/03/10	06:24:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2023/03/10	06:24:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2023/03/10	06:24:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/10	06:24:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/10	06:26:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/10	06:26:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2023/03/10	06:27:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/10	07:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/10	07:16:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10	07:16:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/10			MDP_XRT_FLD_RESET	1	07-F0	da

2023/03/10	07:16:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/10	07:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/10	07:42:00.5	XRT_Custom_430_OG [0x1ae]							
2023/03/10	07:43:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/10	08:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	08:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	08:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/10	08:56:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/10	08:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/10	09:19:00.0	XRT_Custom_430_OG [0x1ae]							
2023/03/10	09:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/10	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	09:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	09:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2023/03/10	10:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 55 3f 01 db			
2023/03/10	10:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2023/03/10	10:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2023/03/10	10:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2023/03/10	10:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2023/03/10	10:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/10	10:02:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08			
2023/03/10	10:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04			
2023/03/10	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/10	10:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	10:36:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	10:36:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/10	10:36:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/10	10:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/10	10:53:30.0	XRT_Custom_430_OG [0x1ae]							
2023/03/10	10:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/10	16:01:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	16:01:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	16:01:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/10	16:01:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/10	16:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/10	16:14:30.0	XRT_Custom_430_OG [0x1ae]							
2023/03/10	16:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/03/10	17:37:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	17:37:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	17:37:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/03/10	17:37:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/03/10	17:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/03/10	18:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	18:00:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/03/10	18:00:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2023/03/10	18:00:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00			
2023/03/10	18:00:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2023/03/10	18:00:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2023/03/10	18:00:52.0	XRT_ARS_DIS_421_OG [0x1a5]							

2023/03/10	18:03:28.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2023/03/10	18:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	14	
2023/03/10	18:10:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2023/03/10	18:10:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	18:10:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	18:10:30.0	AOCs_OrE-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2023/03/10	18:10:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03	03 74 01 db	
2023/03/10	18:10:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2023/03/10	18:10:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2023/03/10	18:10:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2023/03/10	18:10:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2023/03/10	18:13:26.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_FLD_RESET	1	07-F0	da		
2023/03/10	18:13:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09	
2023/03/10	18:13:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2023/03/10	19:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2023/03/10	19:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	19:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	19:14:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2023/03/10	19:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2023/03/10	19:37:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2023/03/10	19:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2023/03/10	20:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2023/03/10	20:49:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2023/03/10	20:49:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	20:50:00.0	AOCs_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2023/03/10	20:50:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04	03 74 01 db	
2023/03/10	20:50:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2023/03/10	20:50:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2023/03/10	20:50:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2023/03/10	20:50:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2023/03/10	20:51:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2023/03/10	20:51:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	20:51:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	20:51:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2023/03/10	20:52:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2023/03/10	20:52:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2023/03/10	20:54:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2023/03/10	21:14:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2023/03/10	21:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2023/03/10	22:28:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2023/03/10	22:28:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2023/03/10	22:28:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	22:28:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2023/03/10	22:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da		
2023/03/10	22:51:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2023/03/10	22:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2023/03/10	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2023/03/10	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
			MDP_XRT_CTRL_MANU	1	07-F0	c1		

2023/03/10	23:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	00:00:00.0	AOCS_OrE-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2023/03/11	00:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2023/03/11	00:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2023/03/11	00:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2023/03/11	00:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/11	00:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/11	00:02:56.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	00:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2023/03/11	00:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/11	00:05:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	00:05:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	00:05:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	00:05:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	00:08:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	00:23:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	00:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2023/03/11	01:42:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	01:42:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	01:42:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	01:42:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	01:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	01:49:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	01:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2023/03/11	03:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	03:05:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	03:05:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	03:05:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	03:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	03:25:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	03:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2023/03/11	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	04:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2023/03/11	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00
2023/03/11	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2023/03/11	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2023/03/11	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/11	04:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/11	04:02:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	04:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2023/03/11	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/11	04:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	04:35:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	04:35:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	04:35:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	04:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8

2023/03/11	05:02:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	05:03:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]				
2023/03/11	05:45:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	05:45:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	05:45:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	05:45:48.0	XRT_FLD_DIS_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2023/03/11	05:45:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2023/03/11	05:45:52.0	XRT_ARS_DIS_421_OG [0x1a5]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2023/03/11	05:48:28.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/11	05:48:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2023/03/11	05:55:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	05:55:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	05:55:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	05:55:30.0	AOCS_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2023/03/11	05:55:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	04 03 74 01 db
2023/03/11	05:55:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2023/03/11	05:55:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2023/03/11	05:55:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2023/03/11	05:55:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2023/03/11	05:58:26.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	05:58:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2023/03/11	05:58:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2023/03/11	06:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	06:12:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	06:12:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	06:12:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	06:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	06:39:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	06:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2023/03/11	07:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	07:52:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	07:52:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	07:52:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	07:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	08:16:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	08:17:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2023/03/11	09:32:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2023/03/11	09:32:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	09:32:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2023/03/11	09:32:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2023/03/11	09:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2023/03/11	11:12:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2023/03/11	11:13:00.5	AOCS_Ore-point_Start_2_OG [0x098]	MDP_XRT_CTRL_MANU	1	07-F0	c1
		AOCU_NM		5	02-76	00 00 00 00 00