

XRT Timeline to be uploaded on 2021/04/29

Period: 2021/04/29 11:17:00 - 2021/05/04 11:34:00

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Normal mode

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XOB #1C94: 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), 300s

Term	Pointing (x, y)	Comment
04/29 11:37:00 - 04/29 13:59:54	Track (768.2, -337.4) ^{Ⓢ 04/29 11:27:00}	# OP start + 10min, AR observation and HOP409
04/29 23:04:30 - 04/30 01:59:54	Track (793.1, -341.4) ^{Ⓢ 04/29 18:10:00}	HOP409, and AR observation

PROG= 13 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec													
Seqn= 81 1-time(s) 2.0sec			Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=90	0	0	2.0sec
			Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=95	0	0	2.0sec
Seqn= 27 1-time(s) 2.0sec			Al-poly/Open	Al-poly/Open	close	Safe	Dark	1.00s	Obs	1x1	512x512 (1064, 1048)	DPCM	0	0	2.0sec
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 20-time(s) 300.0sec															
Seqn= 94 1-time(s) 100.0sec			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
			thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	512x512 (1064, 1048)	Q=95	2	0	2.0sec
			thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 58 1-time(s) 100.0sec			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 #1C97: AR - Filter-Ratio with thin-Be (long/short pairs) and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 60 cad

Term	Pointing (x, y)	Comment
04/29 14:04:30 - 04/29 17:59:54	Track (768.2, -337.4) ^{Ⓢ 04/29 11:27:00}	# OP start + 10min, AR observation and HOP409
04/29 18:14:30 - 04/29 22:59:54	Track (793.1, -341.4) ^{Ⓢ 04/29 18:10:00}	HOP409, and AR observation

PROG= 03 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= 2 120-time(s) 60.0sec															
Seqn= 37 1-time(s) 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
			med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 59 1-time(s) 2.0sec			thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
			med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
			thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
			med-Be/Open	Open/thick-Al	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 #1C9E: Synoptic Q95 2x2 - Al/mesh(24/256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + T

Term	Pointing (x, y)	Comment
04/29 18:03:00 - 04/29 18:09:54	Fixed (0.0, 0.0)	synoptic
04/30 06:12:30 - 04/30 06:19:24	Fixed (0.0, 0.0)	synoptic, shifted 9.5 min
05/01 06:49:00 - 05/01 06:55:54	Fixed (0.0, 0.0)	HOP349, synoptic

PROG= 15 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= 1 1-time(s) 2.0sec			Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
			Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
			Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 99 1-time(s) 2.0sec			Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
			Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
			Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 84 1-time(s) 2.0sec			thin-Be/Open	thin-Be/Open	close	Safe	Norm	354ms	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
thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	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 #1C98: HOP349 - 3-filter Synoptics (Al-mesh[24/256/2897], Al-poly[45/512/4096], thin-Be[512/8192/23142] with 512x512 G-band+Leak - 45min cad) + CF

Term	Pointing (x, y)	Comment
04/30 02:03:00 - 04/30 05:24:30	Fixed (0.0, 0.0)	HOP349
05/01 02:33:00 - 05/01 06:01:00	Fixed (0.0, 0.0)	HOP349, synoptic

PROG= 08 Inf.-time(s)

Subr= 1		1-time(s)	600.0sec									
Seqn= 1		1-time(s)	2.0sec									
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 99		1-time(s)	2.0sec									
Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 54		1-time(s)	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	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 30		1-time(s)	2.0sec									
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2		4-time(s)	600.0sec									
Seqn= 8		1-time(s)	2.0sec									
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6		1-time(s)	2.0sec									
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29		1-time(s)	2.0sec									
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1CAB: HOP415 - Thin-Be and Al/poly+Ti/poly - 512x512 - 1x1 - 240 sec cad - Gband

Term	Pointing (x, y)	Comment
04/30 06:22:30 - 04/30 08:45:00	Track (-23.8, -407.9) @ 04/30 06:19:30	HOP415 (1st window)
04/30 09:27:30 - 04/30 10:25:00	Track (-124.4, -408.1) @ 04/30 09:23:00	HOP415 (2nd window)
04/30 11:06:00 - 04/30 13:58:30	Track (-237.3, -408.2) @ 04/30 11:02:00	HOP415 (3rd window)

PROG= 18 1-time(s)

Subr= 1		1-time(s)	2.0sec									
Seqn= 92		2-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		15-time(s)	240.0sec									
Seqn= 12		1-time(s)	2.0sec									
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	11.3s	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	32.0s	Obs	1x1	512x512 (1024, 1024)	DPCM	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1CA1: HOP410 - CME watch - 4x4 - AEC 2/3 - Al-poly - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 120s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
04/30 14:22:30 - 04/30 18:04:24	Fixed (-22.0, -39.0)	HOP410
04/30 18:17:30 - 04/30 22:59:54	Fixed (-22.0, -39.0)	HOP410

PROG= 19 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		30-time(s)	120.0sec									
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 #1C9F: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(362/3897/16384) - Thick-Be(65536), Al-poly+Ti-poly(256/5795), Med-Al

Term	Pointing (x, y)	Comment
04/30 18:07:30 - 04/30 18:14:24	Fixed (0.0, 0.0)	synoptic, shifted 4.5 min

PROG= 17 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= 1 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 99 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 84 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	354ms	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
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	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= 2 1-time(s) 2.0sec													
	med-Al/Open	med-Al/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Seqn= 13 1-time(s) 2.0sec													
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	5.66s	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 #1BA1: HOP336 1-filter - Al/poly -384x384, 512ms and 4s, 60s-cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
04/30 23:24:30 - 05/01 02:29:54	Fixed (-22.0, 35.0)	HOP393
PROG= 09 Inf.-time(s)		
└─ Subr= 1 1-time(s) 2.0sec		
└─ Seqn= 16 2-time(s) 2.0sec		
	Open/G-band	Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
└─ Subr= 2 1-time(s) 2.0sec		
└─ Seqn= 90 1-time(s) 30.0sec		
	Open/G-band	Open/G-band open Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
└─ Subr= 3 15-time(s) 2.0sec		
└─ Seqn= 7 1-time(s) 60.0sec		
	Al-poly/Open	Al-poly/Open close Safe Norm 4.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
	Al-poly/Open	Al-poly/Open close Safe Norm 500ms 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 #1CA8: HOP416 Thin-Be and Al/poly+Ti/poly - 256x256 - 1x1 - 60sec cad - Gband AEC0

Term	Pointing (x, y)	Comment
05/01 06:59:00 - 05/01 11:02:00	Track (46.6, -438.8) @ 05/01 06:56:00	HOP416
PROG= 10 Inf.-time(s)		
└─ Subr= 1 2-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 60-time(s) 60.0sec		
└─ Seqn= 28 1-time(s) 2.0sec		
	thin-Be/Open	med-Be/Open close Safe Norm 32.0s Obs 1x1 256x256 (1064, 1048) Q=95 0 0 2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al close Safe Norm 11.3s Obs 1x1 256x256 (1064, 1048) Q=95 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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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
04/29 11:37:00 - 04/29 13:59:54	Track (768.2, -337.4) @ 04/29 11:27:00	# OP start + 10min, AR observation and HOP409
04/29 14:04:30 - 04/29 17:59:54	Track (768.2, -337.4) @ 04/29 11:27:00	# OP start + 10min, AR observation and HOP409
04/29 18:14:30 - 04/29 22:59:54	Track (793.1, -341.4) @ 04/29 18:10:00	HOP409, and AR observation
04/29 23:04:30 - 04/30 01:59:54	Track (793.1, -341.4) @ 04/29 18:10:00	HOP409, and AR observation
04/30 02:03:00 - 04/30 05:24:30	Fixed (0.0, 0.0)	HOP349
04/30 06:22:30 - 04/30 08:45:00	Track (-23.8, -407.9) @ 04/30 06:19:30	HOP415 (1st window)
04/30 09:27:30 - 04/30 10:25:00	Track (-124.4, -408.1) @ 04/30 09:23:00	HOP415 (2nd window)
04/30 11:06:00 - 04/30 13:58:30	Track (-237.3, -408.2) @ 04/30 11:02:00	HOP415 (3rd window)
04/30 14:22:30 - 04/30 18:04:24	Fixed (-22.0, -39.0)	HOP410

04/30 18:17:30 - 04/30 22:59:54 Fixed (-22.0, -39.0) HOP410
 04/30 23:24:30 - 05/01 02:29:54 Fixed (-22.0, 35.0) HOP393
 05/01 02:33:00 - 05/01 06:01:00 Fixed (0.0, 0.0) HOP349, synoptic
 05/01 06:59:00 - 05/01 11:02:00 Track (46.6, -438.8) @ 05/01 06:56:00 HOP416

PROG= 04 30-time(s)

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

* * * * *

Active Region Search

* * * * *

NOT USED

* * * * *

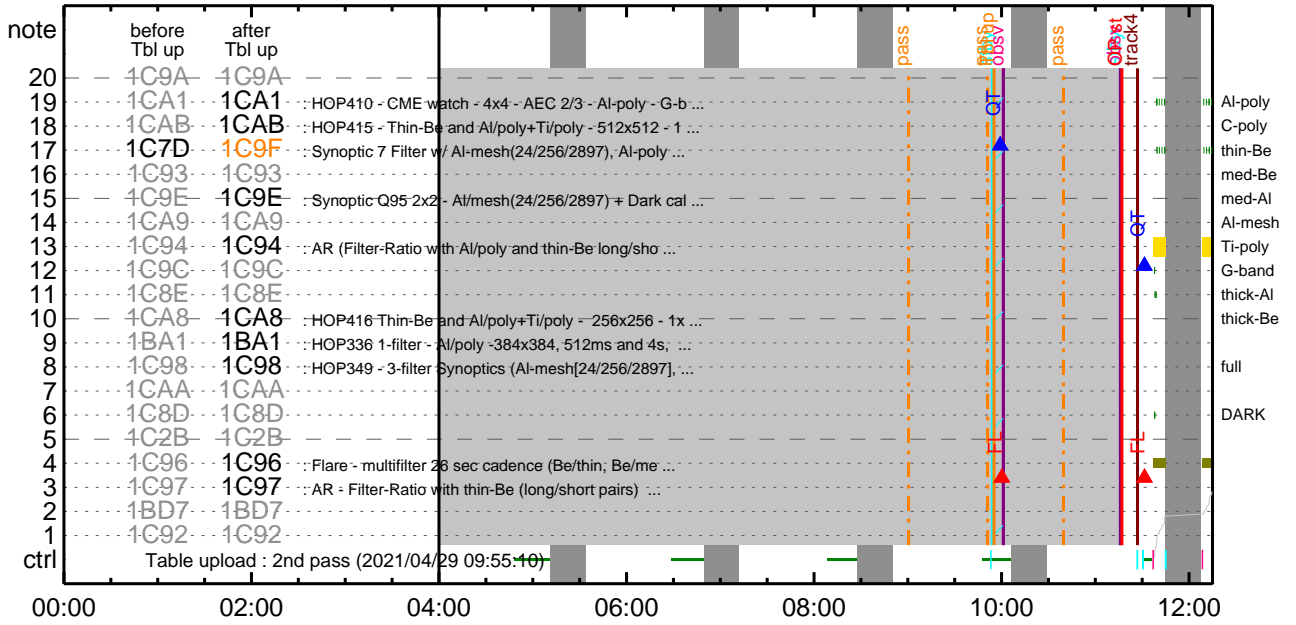
Flare Detection

* * * * *

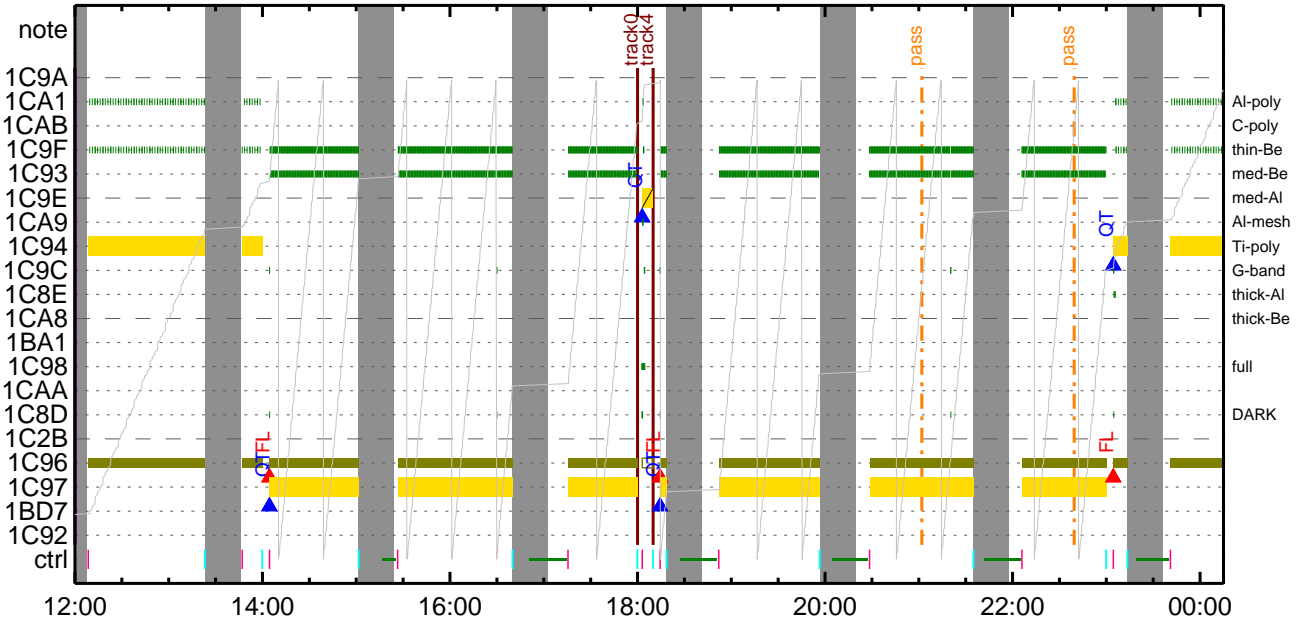
FLD Patrol

Term	Pointing (x, y)	Comment
04/29 18:10:18 - 04/30 06:09:48	Track (793.1, -341.4) @ 04/29 18:10:00	HOP409, and AR observation
04/30 06:19:48 - 04/30 18:04:48	Track (-23.8, -407.9) @ 04/30 06:19:30	HOP415 (1st window)
04/30 18:14:46 - 05/01 06:46:18	Fixed (-22.0, -39.0)	HOP410
05/01 06:56:18 - 05/04 11:34:00	Track (46.6, -438.8) @ 05/01 06:56:00	HOP416
Al-poly/Open	Al-poly/Open close	Safe Norm 8ms Obs 8x8 Q=50 30sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

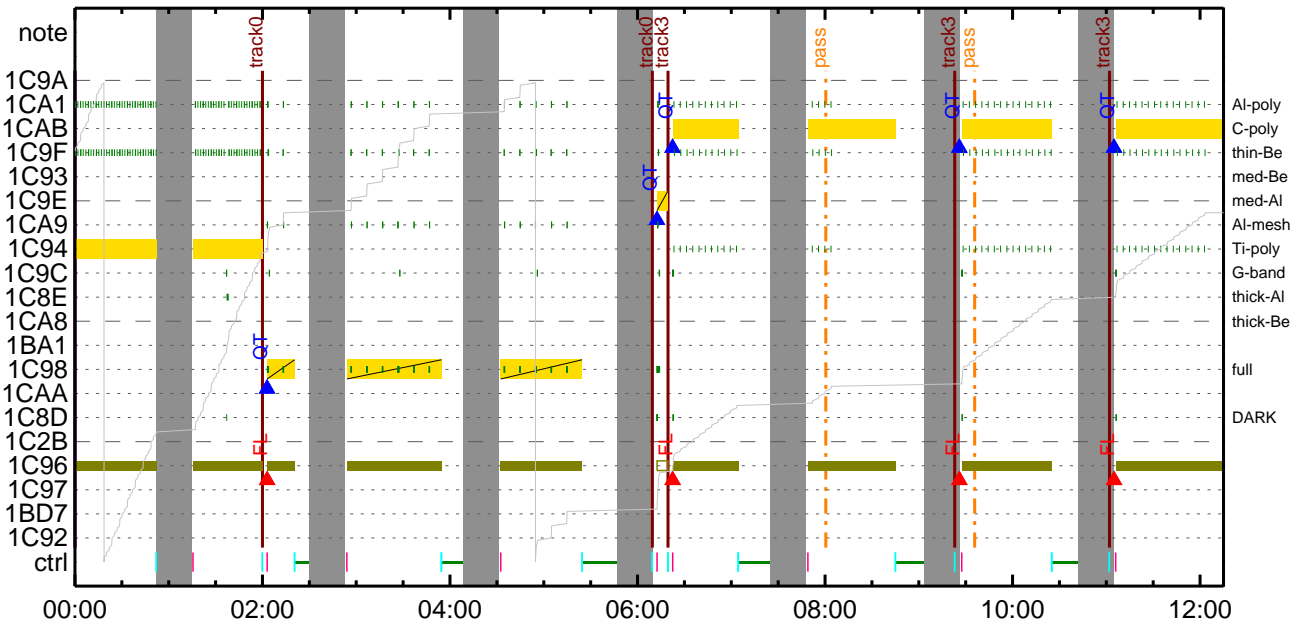
CMDI #0615 2021/04/29



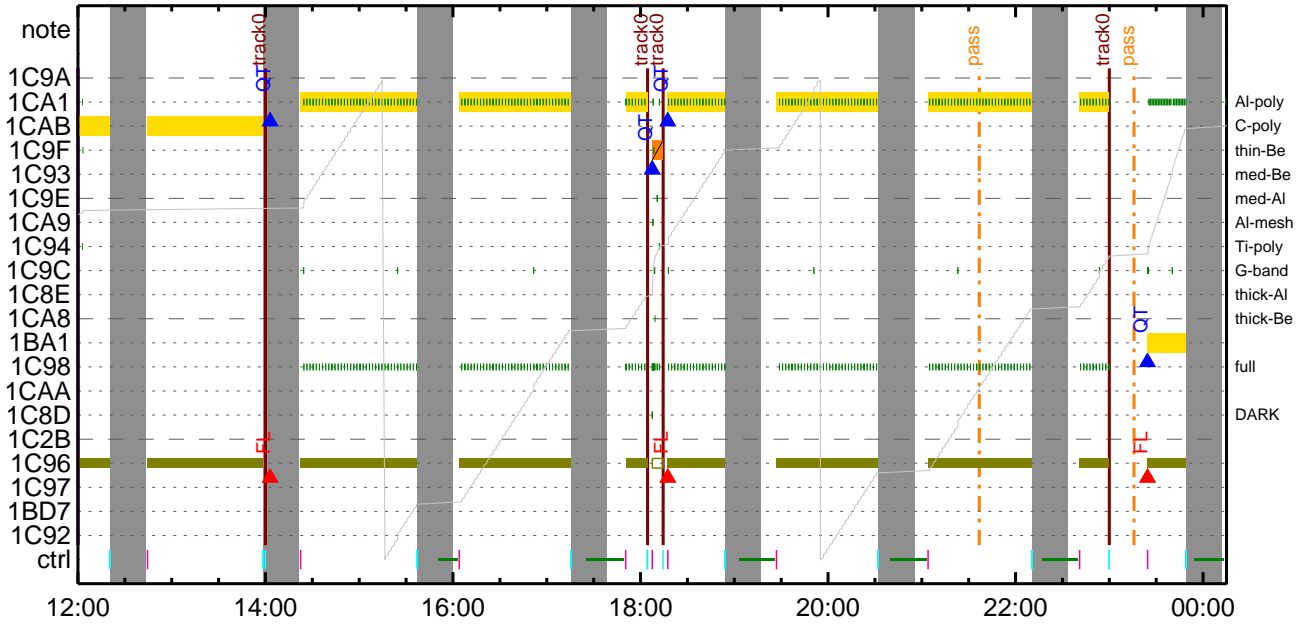
CMDI #0615 2021/04/29



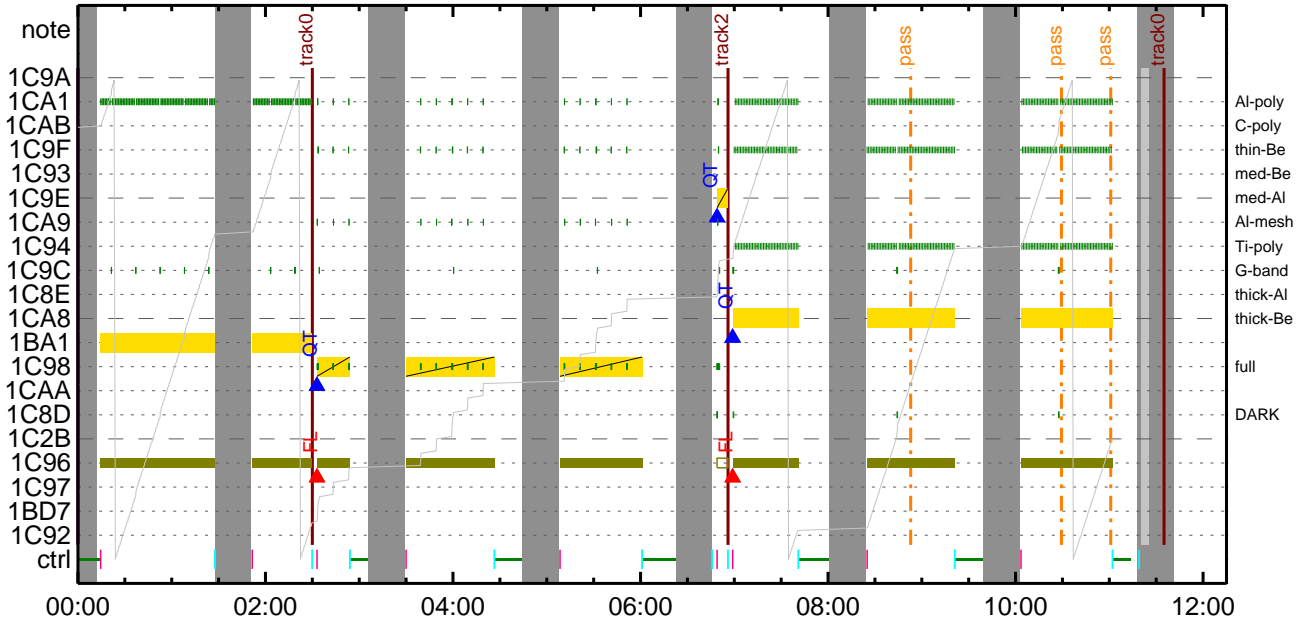
CMDI #0615 2021/04/30



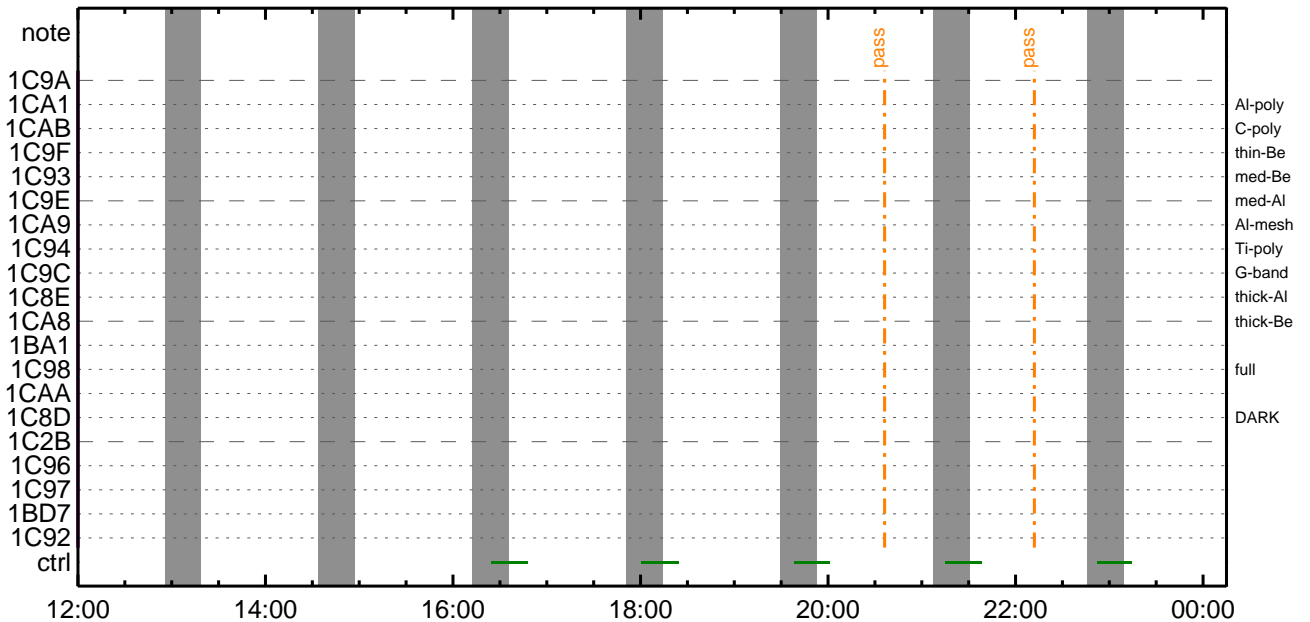
CMDI #0615 2021/04/30



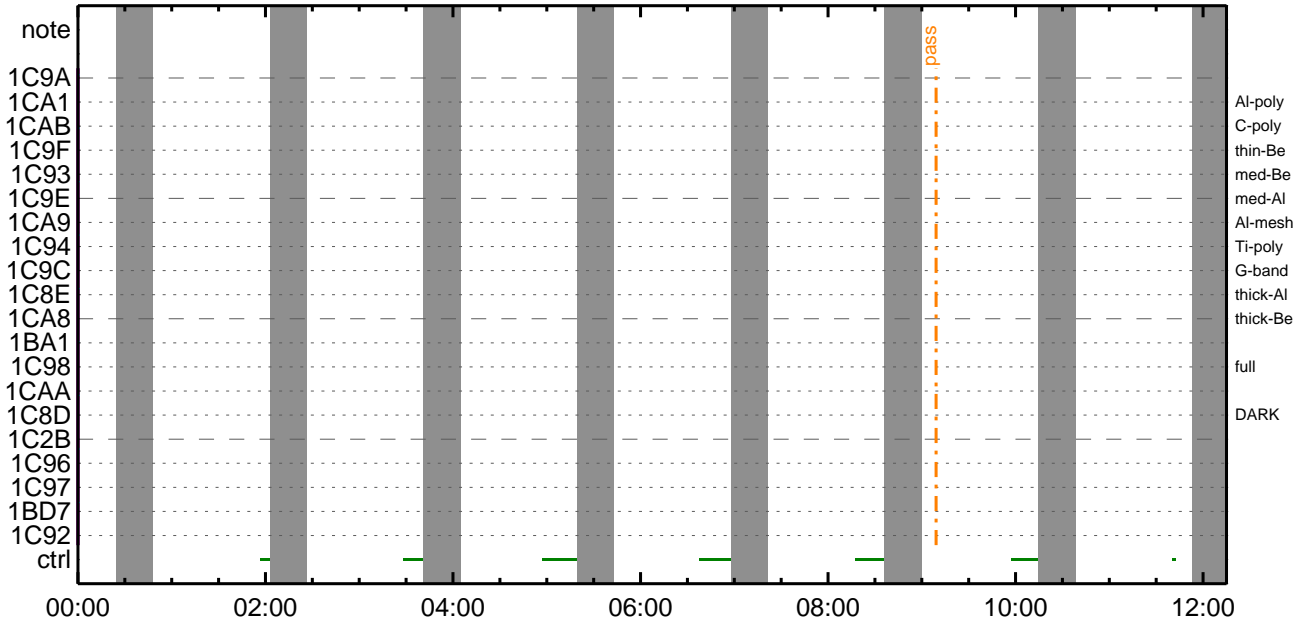
CMDI #0615 2021/05/01



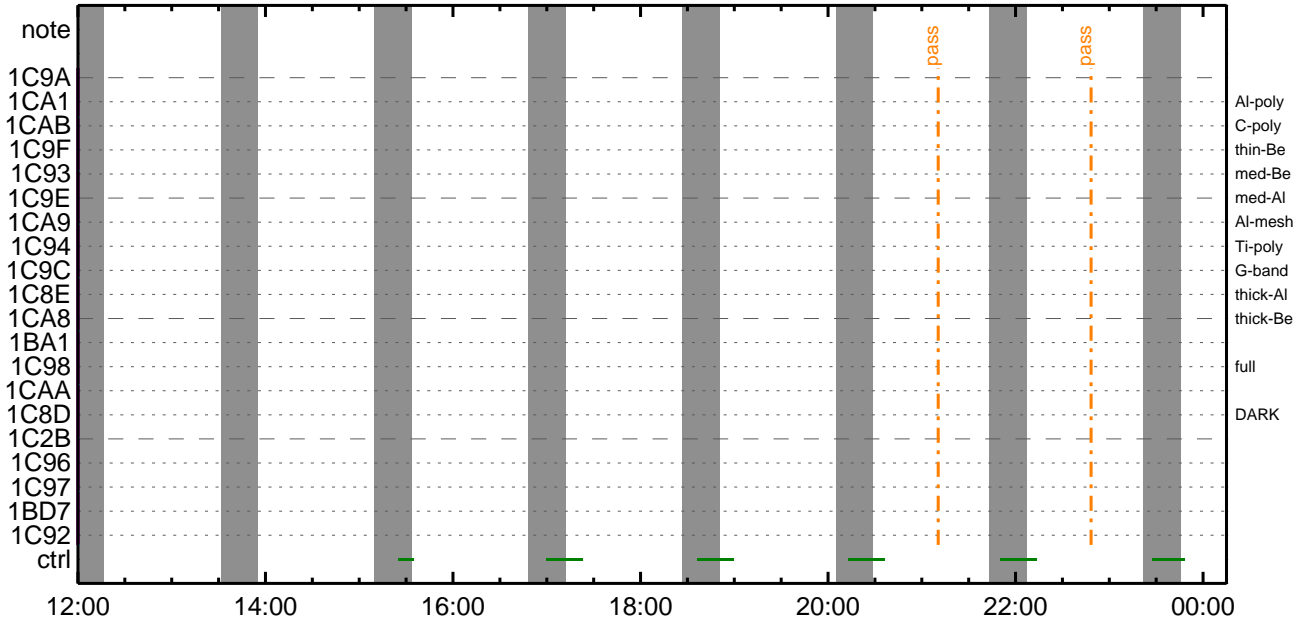
CMDI #0615 2021/05/01



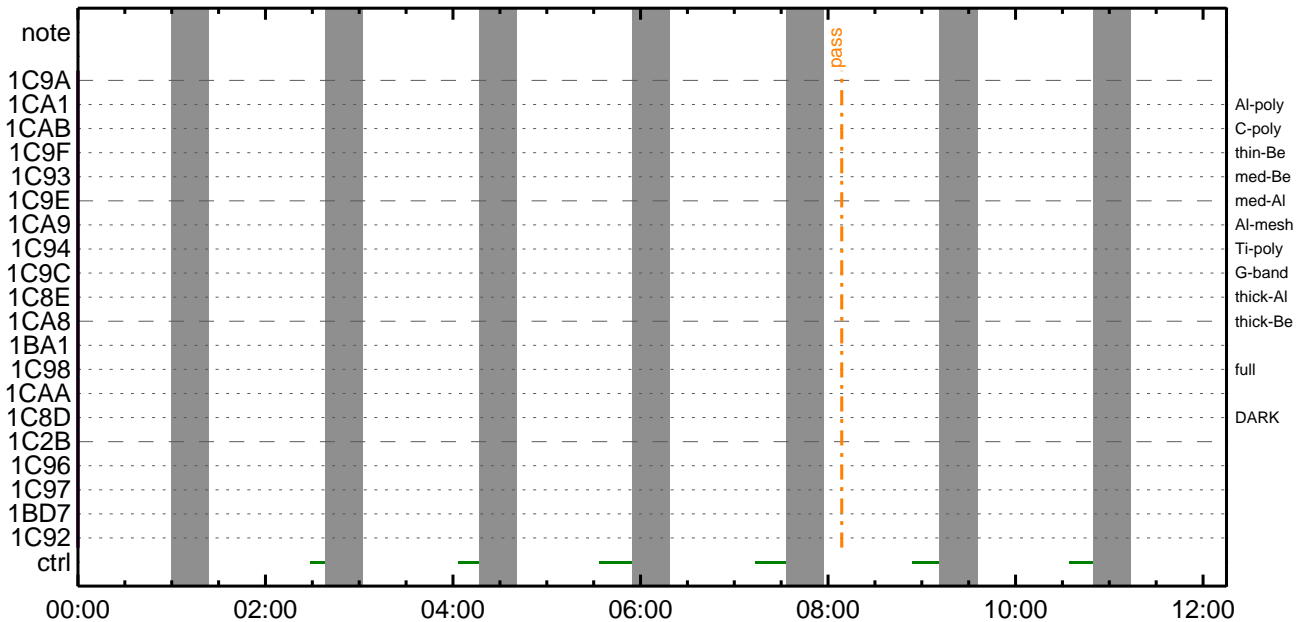
CMDI #0615 2021/05/02



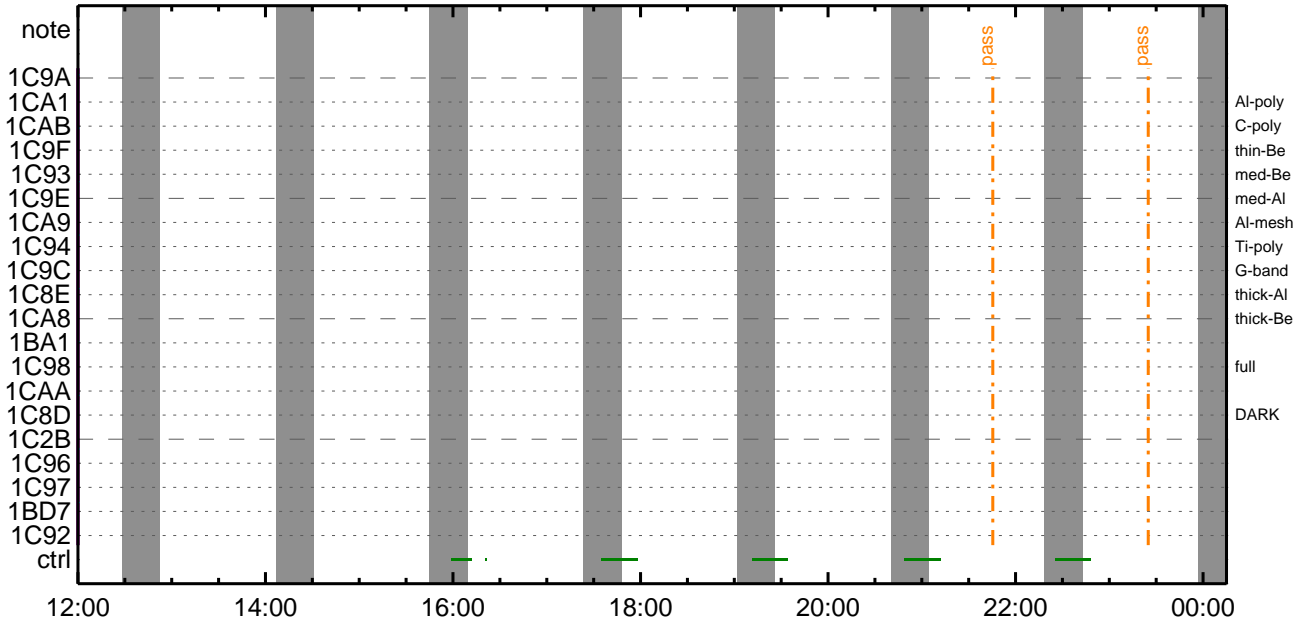
CMDI #0615 2021/05/02



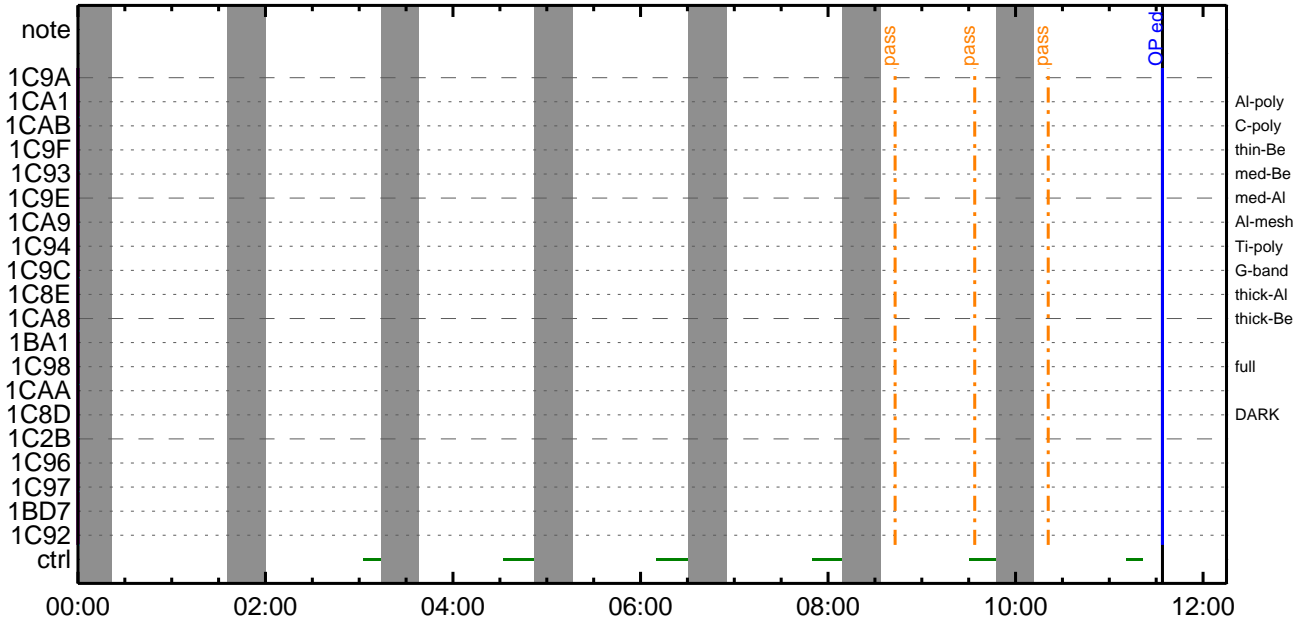
CMDI #0615 2021/05/03



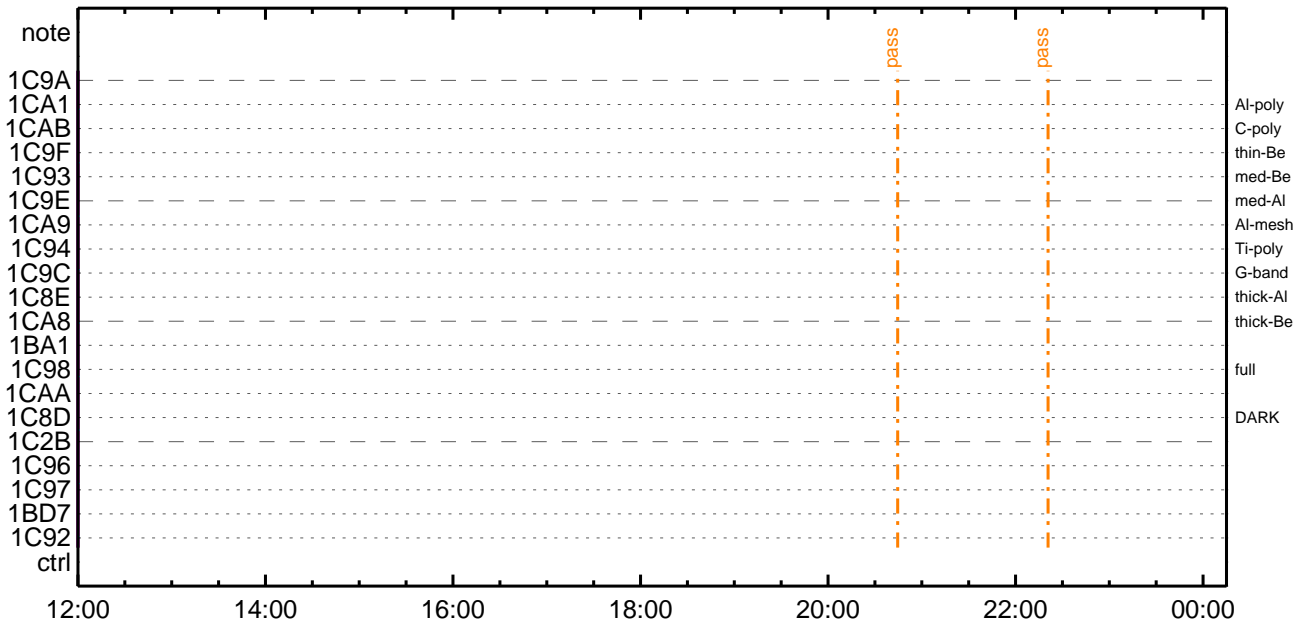
CMDI #0615 2021/05/03



CMDI #0615 2021/05/04



CMDI #0615 2021/05/04



(a) Spacecraft Operation Procedure (real-commands)

```

main-459 2021-04-29 12:43:09 278 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYÑYÁY~¼Á»Û;ã
0005 C.
0006 C. YÀYÑ;¼Y³YÑYÓYÉÁ+zⓄ
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Ëzqãµ•µ°E»í×ÁÇqíYçYÁY×Yí;¼YÉ;ËËèµ•íÉ;ËE¼°Çöã•qz¼l¹çmí;çÀⓄ, ùq¹ãèpãçÁ+zⓄ•ãèãã³ãÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+zⓄµ;ON
0016 C. *****
0017 C. ç" °EÀ, í×ËÝqãLOSãpãçqí»p´òãð¹íí, ç; çÉÖí×pËXÁÓONãí¹òãÈq¹ãèãã³ãÈ;f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XÝDÝÓYÉYíYÁY~¼öÁôã~°ÁÀèã•qzqé; ç°È²¼qí°EÀ, ¼è¼çqðð¼Á¹òã¹qé;f
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°EÀ,
0033 C. *****
0034 C. ç" RESTART;ÈPT1;Ëã•qzqã¼l¹çmí; ç°È²¼qí¼Á¹òã»ã°; çDCBC-150qðzÈqã;f
0035 C.
0036 . C. ;ãPT1°EÀ, ³«»í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹ò, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYËÁÛÁÛ;ÈÁ•Á°²óÈð;Ë, àãí°EÀ, °E³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹ò, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°EÀ, ç~¼«E°Áã»ßã•qz, á; ç°È²¼qðð¼Á¹òã¹qé;f
0055 C. YçYÓYÉYËÁÛÁÛãÁ•Á°²óÈðã~¼áã¼l¹çmí´°í»ã¹ãèããçÁôã;f
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°EÀ,
0059 C. *****
0060 C. ç" RESTART;ÈPT2;Ëã•qzqã¼l¹çmí; ç°È²¼qí¼Á¹òã»ã°; çDCBC-151qðzÈqã;f
0061 C.
0062 . C. ;ãPT2°EÀ, ³«»í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹ò, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYËÁÛÁÛ;ÈÁ•Á°²óÈð;Ë, àãí°EÀ, °E³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹ò, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹ò, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹ò, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°EÀ, Áã»ß; çXÁ+zⓄµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°EÀ, Áã»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+zⓄµ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF

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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ã
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-459:OP
0104 ( )
0105 S. OG og-459:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°èYAYôYx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYôYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç.ë²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYôYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç.ë²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYôYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç.ë²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî¼Ã´¶Á°òEÉ-ò°Á÷¿@ (¼åµ-YAYôYx½ªî»ò³îÇ§²¼òî¼Ã´¶Á°òEÉ-ò°Á÷¿@) *****
0167 C. DHUYâ;4YE;E¼Y½, Y1;4YE;Eòîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î¼E¹ç;ç°E²¼òî¼TI-CMDÁ÷¿@²î¼E¹ç°²¼E¹ç°²¼E¹ç;
0180 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0181 C.
0182 C. TIY³YþYôYÉòòÁDî¿¿(UT)
0183 +. TI 2021-04-29 11:12:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2021-04-29 11:12:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2021-04-29 11:12:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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(a) Spacecraft Operation Procedure (real-commands)

```
main-460 2021-04-29 12:43:09 160 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èα¿αÁα•μ°È»Í×ÁÇαÍYçYÁY×Yí;¼YÉ;ÈÈ%μ•íÉ;ÈÈ%°ÇÔα•α¿¼í¹çαÍ;çÀ®, ùα¹αÈαBαÇÁ+¿®α•αÈααα³αÈ;f
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 AOCS DUMP 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.
0046 C. ***** XRT START *****
0047 C.
0048 +. DC 07-F0 MDP_XRT_CTRL_MANU
0049 BC (c1)
0050 + DC 07-F0 MDP_XRT_MODE_STBY
0051 BC (c3)
0052 . C. ----- Success Verify ? OK / NG____
0053 C.
0054 C. XRT Obs. Table Upload
0055 . S. RAM ram-291:MDP_OBS_X
0056 ( )
0057 C.
0058 +. DC 07-F0 MDP_DUMP_XRTTBL
0059 BC (84 07 00 00 00 3a d4)
0060 . C. ----- Comparison Check ? OK / ERR ____
0061 C.
0062 C.
0063 +. DC 07-F0 MDP_XRT_ROI_SET
0064 BC (cd 01 b1 b1 04 04)
0065 + DC 07-F0 MDP_XRT_ROI_SET
0066 BC (cd 02 b1 b1 08 08)
0067 + DC 07-F0 MDP_XRT_ROI_SET
0068 BC (cd 03 b1 b1 08 08)
0069 + DC 07-F0 MDP_XRT_ROI_SET
0070 BC (cd 04 b1 b1 06 06)
0071 + DC 07-F0 MDP_XRT_ROI_SET
0072 BC (cd 05 85 83 06 06)
0073 + DC 07-F0 MDP_XRT_ROI_SET
0074 BC (cd 06 85 83 06 06)
0075 + DC 07-F0 MDP_XRT_ROI_SET
0076 BC (cd 07 80 80 08 08)
0077 + DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 08 85 83 08 08)
0079 + DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 09 80 80 20 20)
0081 + DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 0a 80 80 20 08)
0083 + DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 0b 80 80 08 20)
0085 + DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 0c 85 83 04 04)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 0d 85 83 02 02)
0089 + DC 07-F0 MDP_XRT_ROI_SET
0090 BC (cd 0f 80 80 06 06)
0091 + DC 07-F0 MDP_XRT_ROI_SET
0092 BC (cd 10 80 80 08 08)
0093 + DC 07-F0 MDP_XRT_FLD_ENA
0094 BC (d8)
0095 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
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0096 BC (c8)
0097 + DC 07-F0 MDP_XRT_ARS_DIS
0098 BC (d5)
0099 + DC 07-F0 MDP_XRT_AEC_RESET
0100 BC (d0)
0101 + DC 07-F0 MDP_XRT_FLD_RESET
0102 BC (da)
0103 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0104 BC (c4 12)
0105 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0106 BC (c5 04)
0107 . C. ----- Success Verify ? OK / NG ____
0108 C.
0109 C.
0110 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0111 C.
0112 +. DC 07-F0 MDP_XRT_MODE_OBSV
0113 BC (c2)
0114 +. TI 2021-04-29 11:16:02.0
0115 DC 07-F0 MDP_XRT_MODE_OBSV
0116 BC (c2)
0117 . C. ----- Success Verify ? OK / NG ____
0118 C.
0119 C. ***** XRT END *****
0120 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0121 +. DC 07-FC EIS_MODE_CHG_ENA
0122 BC (20)
0123 . C. Verify EIS_MODE_CHG_FLG is ENA
0124 +. DC 07-FC EIS_MODE_MANU
0125 BC (21 02)
0126 . C. Verify EIS in MANUAL mode
0127 . C. Estimated OBSTBL upload time is 33s
0128 C. *****
0129 C. EIS START OBSTBL LOAD
0130 C. *****
0131 . S. RAM ram-820:EIS_OBSTBL
0132 ( )
0133 +. DC 07-FC EIS_DUMP_OBSTBL
0134 BC (07 07 07 00 00 70 00)
0135 C.
0136 C. Execute, after the success of OBSTBL upload.
0137 C. Set EIS TI-commands
0138 +. TI 2021-04-29 11:16:50.0
0139 DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0142 C. *****
0143 C. EIS END OBSTBL LOAD
0144 C. *****
0145 C.
0146 . C. ***** MDP 'úÃîâî»ö¼ÝðËÄð¹æDCBC•x²è *****
0147 C. (%ã°îÝÓYÁEYÏPÏEYáYçYèæE¼æ¼Ä»Û¹æé)
0148 . S. DC-BC dcbc-402:DCBC
0149 (MDP_known_event)
0150 C.
0151 C.
0152 . C. ***** YÐY¹•ï Daily±;îÑæ'Ø¹æDCBC•x²è *****
0153 . S. DC-BC dcbc-153:DCBC
0154 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0155 C.
0156 C.
0157 . C. ;ãLOS¥Á¥S¥Á¥-¼Ä»Û;ã
0158 C.
0159 . C. ***** LOS *****
0160 C.

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(a) Spacecraft Operation Procedure (real-commands)

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main-461 2021-04-29 12:43:09 113 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYß;¼Y³YFYOYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èµ¿µÁµ•µ°È»Í×ÁÇµÍYÇYÁY×YÍ;¼YÉ;ÈÈÈµ•ííÈ;ÈµÈ¼°ÇÓµ•µ¿¼í¹¿µÍ;¿À®, ùµ¹µÈµµ¿ÇÁ+¿®µ•µÈµµµ³µÈ; f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+¿µ;ON
0016 C. *****
0017 C. ¿ °ÈÀ, í×ÈYµáLOSPµÇµÍ»p´Óµµ¹íí, µ•; ¿ÉÓÍ×µÈXÁÓONµÍ¹ÓµÈµíµÈµµµ³µÈ; f
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C.
0025 C.
0026 C.
0027 C.
0028 C.
0029 . C. XYDYÓYÉYÍYÁY-¾ÓÁÔµ-°ÁÀÈµ•µ¿µé; ¿°È²¼µí°ÈÀ, ¼È¾¿µµµ¿¼Á¹Óµ¹µé; f
0030 C.
0031 . C. *****
0032 C. DR PT1 ÁÍ¼í°ÈÀ,
0033 C. *****
0034 C. ¿ RESTART;ÈPT1;Èµ•µ¿µµ¼í¹¿µÍ; ¿°È²¼µí°ÈÀ¹Óµ»µ°; ¿DCBC-150µµ¿¿Èµà; f
0035 C.
0036 . C. ;ãPT1°ÈÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C.
0043 C.
0044 C.
0045 C.
0046 . C. ;ãY¿YÓYÉYÉÁÚÁÔ;ÈÁ•Á°²óÈð;È, áµí°ÈÀ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C.
0050 C.
0051 C.
0052 C.
0053 C.
0054 . C. PT1°ÈÀ, µ-¼«È°Áá»ßµ•µ¿, á; ¿°È²¼µµ¿¼Á¹Óµ¹µé; f
0055 C. Y¿YÓYÉYÉÁÚÁÔµÁÁ•Á°²óÈðµ-¶áµµ¼í¹¿µÍ´°í»µ¹µÈµµµ¿ÇÁÔµÁ; f
0056 C.
0057 . C. *****
0058 C. DR PT2 ÁÍ¼í°ÈÀ,
0059 C. *****
0060 C. ¿ RESTART;ÈPT2;Èµ•µ¿µµ¼í¹¿µÍ; ¿°È²¼µí°ÈÀ¹Óµ»µ°; ¿DCBC-151µµ¿¿Èµà; f
0061 C.
0062 . C. ;ãPT2°ÈÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C.
0069 C.
0070 C.
0071 C.
0072 . C. ;ãY¿YÓYÉYÉÁÚÁÔ;ÈÁ•Á°²óÈð;È, áµí°ÈÀ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C.
0076 C.
0077 C.
0078 C.
0079 . C. *****
0080 C. DR°ÈÀ, Áá»ß; ¿XÁ+¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Áá»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C.
0087 C.
0088 C.
0089 C.
0090 . C. ;ãXÁ+¿µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C.
0095 C.

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0096 C.
0097 C.
0098 C.
0099 . C. ***** MDP 'úÃîñî»ò¼ÿðËÃðñ¹ñèDCBC•x²è *****
0100 C. (¼á°îÿÓÿÃÿÈÿËÿËÿáÿçÿèñË¼ññ¼Ã»Ûñ¹ñè)
0101 . S. DC-BC dcbc-402:DCBC
0102 (MDP_known_event)
0103 C.
0104 C.
0105 . C. ***** 𐄂𐄂!•İ Daily±;İññË´øñ¹ñèDCBC•x²è *****
0106 . S. DC-BC dcbc-153:DCBC
0107 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0108 C.
0109 C.
0110 . C. ;ãLOSÿÁÿSÿÃÿ¼Ã»Û;ã
0111 C.
0112 . C. ***** LOS *****
0113 C.
```

*** OP Sequence for XRT ***

2021/04/29	11:26:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:26:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:26:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2021/04/29	11:27:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	04 03 74 01 f3		
2021/04/29	11:27:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2021/04/29	11:27:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2021/04/29	11:27:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2021/04/29	11:27:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/29	11:27:26.0	XRT_FLD_RESET_432_OG [0x1b0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	11:30:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:30:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:30:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	11:30:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/29	11:31:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d		
2021/04/29	11:31:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2021/04/29	11:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/29	11:36:00.0	XRT_Custom_430_OG [0x1ae]					
2021/04/29	11:37:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/29	11:45:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:45:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	11:45:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	11:45:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/29	11:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/29	12:07:30.0	XRT_Custom_430_OG [0x1ae]					
2021/04/29	12:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/29	13:23:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	13:23:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	13:23:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	13:23:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/29	13:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/29	13:46:00.0	XRT_Custom_430_OG [0x1ae]					
2021/04/29	13:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/29	13:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	13:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	13:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2021/04/29	14:00:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2021/04/29	14:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2021/04/29	14:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2021/04/29	14:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/29	14:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	14:04:26.0	XRT_QT_PROG_SET_422_OG [0x1a6]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2021/04/29	14:04:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2021/04/29	14:04:30.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/29	15:01:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	15:01:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/29	15:01:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/29	15:01:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		

2021/04/29	15:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/29	15:25:30.0	XRT_Custom_430_OG [0x1ae]							
2021/04/29	15:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	16:40:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	16:40:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	16:40:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/29	16:40:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/04/29	16:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/29	17:14:30.0	XRT_Custom_430_OG [0x1ae]							
2021/04/29	17:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	17:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2021/04/29	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2021/04/29	18:00:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2021/04/29	18:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2021/04/29	18:00:22.0	XRT_ARS_DIS_420_OG [0x1a4]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/04/29	18:02:58.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2021/04/29	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2021/04/29	18:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04 03 74 01 f3				
2021/04/29	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2021/04/29	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2021/04/29	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2021/04/29	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/04/29	18:10:26.0	XRT_FLD_RESET_432_OG [0x1b0]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/29	18:14:26.0	XRT_QT_PROG_SET_422_OG [0x1a6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2021/04/29	18:14:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2021/04/29	18:14:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	18:18:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	18:18:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	18:18:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/29	18:18:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/04/29	18:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/29	18:51:00.0	XRT_Custom_430_OG [0x1ae]							
2021/04/29	18:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	19:56:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	19:56:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	19:56:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/29	19:56:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/04/29	19:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/29	20:27:30.0	XRT_Custom_430_OG [0x1ae]							
2021/04/29	20:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/29	21:35:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	21:35:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/29	21:35:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/29	21:35:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]							

2021/04/29	21:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8	
2021/04/29	22:05:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/04/29	22:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/29	22:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/29	22:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/29	22:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2021/04/29	23:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2021/04/29	23:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2021/04/29	23:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2021/04/29	23:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2021/04/29	23:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/04/29	23:04:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d	
2021/04/29	23:04:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04	
2021/04/29	23:04:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/29	23:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/29	23:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/29	23:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/04/29	23:13:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/04/29	23:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/04/29	23:40:00.0	XRT_Custom_430_OG [0x1ae]					
2021/04/29	23:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/30	00:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	00:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	00:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/04/30	00:52:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/04/30	00:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/04/30	01:14:30.0	XRT_Custom_430_OG [0x1ae]					
2021/04/30	01:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/30	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2021/04/30	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2021/04/30	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2021/04/30	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2021/04/30	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2021/04/30	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2021/04/30	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/04/30	02:02:56.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2021/04/30	02:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04	
2021/04/30	02:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/30	02:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	02:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/04/30	02:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/04/30	02:20:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/04/30	02:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/04/30	02:53:00.0	XRT_Custom_430_OG [0x1ae]					
2021/04/30	02:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/04/30	03:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

2021/04/30	03:54:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	03:54:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	03:54:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	03:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	04:31:30.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	04:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	05:24:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	05:24:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	05:24:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	05:24:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	05:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	06:09:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	06:09:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	06:09:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/04/30	06:09:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2021/04/30	06:09:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/04/30	06:09:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/04/30	06:09:52.0	XRT_ARS_DIS_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/30	06:12:28.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2021/04/30	06:12:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	06:19:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	06:19:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	06:19:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2021/04/30	06:19:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	03 03 74 01 f3		
2021/04/30	06:19:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2021/04/30	06:19:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2021/04/30	06:19:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2021/04/30	06:19:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/30	06:19:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	06:22:26.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12		
2021/04/30	06:22:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2021/04/30	06:22:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	07:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	07:04:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	07:04:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	07:04:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	07:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	07:48:01.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	07:49:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	08:45:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	08:45:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	08:45:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	08:45:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	08:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	09:22:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	09:22:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	09:22:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2021/04/30	09:23:00.0	AOCS_ORe-point_Start_4_OG [0x09a]						

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2021/04/30	09:23:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03	03	74	0d	0e
		MDP_XRT_FLD_ENA		1	07-F0				d8	
2021/04/30	09:23:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0				c8	
2021/04/30	09:23:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0				d0	
2021/04/30	09:23:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0				d5	
2021/04/30	09:23:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	09:25:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0			c4	12	
2021/04/30	09:25:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0			c5	04	
2021/04/30	09:26:30.0	XRT_Custom_430_OG [0x1ae]								
2021/04/30	09:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0				c0	
2021/04/30	10:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	10:25:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	10:25:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	10:25:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0				e8	
2021/04/30	10:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0				e9	
2021/04/30	11:01:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	11:01:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	11:01:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8			22	fe	97 00
2021/04/30	11:02:00.0	AOCs_OrE-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	03	03	74	18	41
2021/04/30	11:02:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0				d8	
2021/04/30	11:02:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0				c8	
2021/04/30	11:02:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0				d0	
2021/04/30	11:02:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0				d5	
2021/04/30	11:02:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	11:04:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0			c4	12	
2021/04/30	11:04:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0			c5	04	
2021/04/30	11:05:00.0	XRT_Custom_430_OG [0x1ae]								
2021/04/30	11:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0				c0	
2021/04/30	12:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	12:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	12:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	12:20:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0				e8	
2021/04/30	12:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0				e9	
2021/04/30	12:43:30.0	XRT_Custom_430_OG [0x1ae]								
2021/04/30	12:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0				c0	
2021/04/30	13:58:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	13:58:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	13:58:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	13:58:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0				e8	
2021/04/30	13:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0				c1	
2021/04/30	13:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8			22	fe	97 00
2021/04/30	14:00:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	03	74	01	f3
2021/04/30	14:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0				d8	
2021/04/30	14:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0				c8	
2021/04/30	14:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0				d0	
2021/04/30	14:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0				d5	
2021/04/30	14:00:24.0	XRT_FLD_RESET_431_OG [0x1af]	MDP_XRT_FLD_RESET	1	07-F0				da	
2021/04/30	14:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0				e9	
2021/04/30	14:02:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]								

2021/04/30	14:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2021/04/30	14:21:30.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	14:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	15:37:00.0	XRT_CTRL_MANU_400_OG [0x190]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	15:37:02.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	15:37:04.0	XRT_FLD_RESET_415_OG [0x19f]						
			MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	15:37:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]						
			MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	15:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
			MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	16:03:00.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	16:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	17:15:30.0	XRT_CTRL_MANU_400_OG [0x190]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	17:15:32.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	17:15:34.0	XRT_FLD_RESET_415_OG [0x19f]						
			MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	17:15:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]						
			MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	17:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
			MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	17:49:30.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	17:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	18:04:24.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	18:04:26.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	18:04:28.0	XRT_FOCUS_POSITION_406_OG [0x196]						
			XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2021/04/30	18:04:30.0	AOCS_Ore-point_Start_2_OG [0x098]						
			AOCU_NM	5	02-76	00	00	00 00 00
2021/04/30	18:04:48.0	XRT_FLD_DIS_409_OG [0x199]						
			MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/04/30	18:04:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/04/30	18:04:52.0	XRT_ARS_DIS_420_OG [0x1a4]						
			MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/30	18:07:28.0	XRT_QT_PROG_SET_443_OG [0x1bb]						
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	11	
2021/04/30	18:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	18:14:24.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	18:14:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2021/04/30	18:14:30.0	AOCS_ORe-point_Start_6_OG [0x09c]						
			AOCU_NM	5	02-76	00	03	74 01 f3
2021/04/30	18:14:46.0	XRT_FLD_ENA_411_OG [0x19b]						
			MDP_XRT_FLD_ENA	1	07-F0	d8		
2021/04/30	18:14:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2021/04/30	18:14:50.0	XRT_AEC_RESET_448_OG [0x1c0]						
			MDP_XRT_AEC_RESET	1	07-F0	d0		
2021/04/30	18:14:52.0	XRT_ARS_DIS_423_OG [0x1a7]						
			MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/04/30	18:14:54.0	XRT_FLD_RESET_431_OG [0x1af]						
			MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	18:17:26.0	XRT_QT_PROG_SET_449_OG [0x1c1]						
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
2021/04/30	18:17:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]						
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2021/04/30	18:17:30.0	XRT_CTRL_AUTO_408_OG [0x198]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	18:54:00.0	XRT_CTRL_MANU_400_OG [0x190]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	18:54:02.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	18:54:04.0	XRT_FLD_RESET_415_OG [0x19f]						
			MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	18:54:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]						
			MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/04/30	18:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
			MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/04/30	19:26:00.0	XRT_Custom_430_OG [0x1ae]						
2021/04/30	19:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
			MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/04/30	20:32:00.0	XRT_CTRL_MANU_400_OG [0x190]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	20:32:02.0	XRT_CTRL_MANU_402_OG [0x192]						
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/04/30	20:32:04.0	XRT_FLD_RESET_415_OG [0x19f]						
			MDP_XRT_FLD_RESET	1	07-F0	da		
2021/04/30	20:32:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]						
			MDP_XRT_PREFLR_STRT	1	07-F0	e8		

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2021/04/30	20:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/30	21:03:00.0	XRT_Custom_430_OG [0x1ae]							
2021/04/30	21:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/30	22:10:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	22:10:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	22:10:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/30	22:10:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/04/30	22:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/04/30	22:40:00.0	XRT_Custom_430_OG [0x1ae]							
2021/04/30	22:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/30	22:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	22:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	22:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2021/04/30	23:00:00.0	AOCS_OrE-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00 fc e6 01 f3				
2021/04/30	23:00:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2021/04/30	23:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2021/04/30	23:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2021/04/30	23:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/04/30	23:00:26.0	XRT_FLD_RESET_407_OG [0x197]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/30	23:24:26.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2021/04/30	23:24:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2021/04/30	23:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/04/30	23:49:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	23:49:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/04/30	23:49:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/04/30	23:49:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/04/30	23:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/05/01	00:13:30.0	XRT_Custom_430_OG [0x1ae]							
2021/05/01	00:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/05/01	01:27:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/05/01	01:27:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/05/01	01:27:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/05/01	01:27:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/05/01	01:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/05/01	01:50:30.0	XRT_Custom_430_OG [0x1ae]							
2021/05/01	01:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/05/01	02:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/05/01	02:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/05/01	02:29:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2021/05/01	02:30:00.0	AOCS_OrE-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2021/05/01	02:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2021/05/01	02:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2021/05/01	02:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2021/05/01	02:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/05/01	02:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/05/01	02:32:56.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2021/05/01	02:32:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2021/05/01	02:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/05/01	02:54:00.0	XRT_CTRL_MANU_400_OG [0x190]							

2021/05/01	02:54:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	02:54:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	02:54:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/05/01	02:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/05/01	03:29:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/05/01	03:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]					
2021/05/01	04:26:30.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2021/05/01	04:26:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/05/01	04:26:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	04:26:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	04:29:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/05/01	05:07:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/05/01	05:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/05/01	06:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2021/05/01	06:01:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/05/01	06:01:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:01:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/05/01	06:45:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/05/01	06:45:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/05/01	06:45:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:46:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:46:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/05/01	06:46:22.0	XRT_ARS_DIS_420_OG [0x1a4]	XRT_FLD_DIS_409_OG [0x199]					
2021/05/01	06:48:58.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	d9		
2021/05/01	06:49:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/05/01	06:55:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2021/05/01	06:55:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/05/01	06:55:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:56:00.0	AOCS_ORe-point_Start_8_OG [0x09e]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	06:56:18.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2021/05/01	06:56:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	AOCU_NM	5	02-76	02 03 74 01 f3		
2021/05/01	06:56:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2021/05/01	06:56:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2021/05/01	06:56:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2021/05/01	06:58:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/05/01	06:58:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/05/01	06:59:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2021/05/01	07:41:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2021/05/01	07:41:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/05/01	07:41:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	07:41:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/05/01	07:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da		
2021/05/01	08:24:01.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2021/05/01	08:25:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2021/05/01	09:21:00.5	XRT_CTRL_MANU_400_OG [0x190]	XRT_Custom_430_OG [0x1ae]					
2021/05/01	09:21:03.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_424_OG [0x1a8]					
2021/05/01	09:21:05.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
			MDP_XRT_CTRL_MANU	1	07-F0	c1		
			MDP_XRT_CTRL_MANU	1	07-F0	c1		

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2021/05/01	09:21:07.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_FLD_RESET	1	07-F0	da					
			MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2021/05/01	09:24:15.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2021/05/01	10:02:30.0	XRT_Custom_430_OG [0x1ae]									
2021/05/01	10:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2021/05/01	11:02:00.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2021/05/01	11:02:03.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2021/05/01	11:02:05.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da					
2021/05/01	11:02:07.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2021/05/01	11:05:15.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2021/05/01	11:19:00.5	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2021/05/01	11:35:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00	00