

XRT Timeline to be uploaded on 2020/08/29

Period: 2020/08/29 12:09:00 - 2020/09/03 11:18:00

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Normal mode

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XOB #1BF: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
08/29 12:22:00 - 08/29 17:49:24	Track (-356.1, 283.3) ^{Ⓢ 08/29 12:19:00}	# OP start + 10min, Plage obs and HOP405(officially 7-15UT)
08/29 18:02:30 - 08/30 01:59:54	Track (-314.0, 281.2) ^{Ⓢ 08/29 17:59:30}	Plage obs
08/30 06:13:00 - 08/30 18:05:24	Track (-221.0, 277.7) ^{Ⓢ 08/30 06:10:00}	Plage obs and HOP405(officially 7-15UT)
08/30 18:18:30 - 08/31 01:59:54	Track (-126.1, 275.5) ^{Ⓢ 08/30 18:15:30}	Plage obs
08/31 06:36:00 - 08/31 11:29:54	Track (-28.1, 274.6) ^{Ⓢ 08/31 06:33:00}	Plage obs
09/01 06:08:00 - 09/01 11:05:30	Track (158.6, 276.8) ^{Ⓢ 09/01 06:05:00}	Plage obs

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
Subr= 2 4-time(s) 2.0sec		
Seqn= 47 1-time(s) 2.0sec		
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
Seqn= 77 4-time(s) 300.0sec		
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 95.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 95.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1C52: Synoptic Q95 2x2 - Al/mesh(16/181/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(24/362/4096) + T

Term	Pointing (x, y)	Comment
08/29 17:52:30 - 08/29 17:59:24	Fixed (0.0, 0.0)	synoptic, shifted -10.5 min
08/30 06:03:06 - 08/30 06:09:54	Fixed (0.0, 0.0)	HOP349 and synoptic
08/30 18:08:30 - 08/30 18:15:24	Fixed (0.0, 0.0)	synoptic, shifted 5.5 min
08/31 06:26:06 - 08/31 06:32:54	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted 23.0 min
09/01 05:58:06 - 09/01 06:04:54	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted -5.0 min

PROG= 08 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= 75 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 9 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 354ms 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
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XOB #1C44: HOP349 - 3-filter Synoptics [Al-mesh[128/1024/5795], Al-poly[256/4096/8192], thin-Be[2048/16384/32768] with 512x512 G-band+Leak(1064,1048

Term	Pointing (x, y)	Comment
08/30 02:30:00 - 08/30 06:00:00	Fixed (0.0, 0.0)	HOP349 and synoptic
08/31 02:03:00 - 08/31 06:23:00	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted 23.0 min
09/01 02:07:00 - 09/01 05:55:00	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted -5.0 min

PROG= 10 Inf.-time(s)

Subr= 1	1-time(s)	300.0sec
Seqn= 88 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec

Seqn	1-time(s)	2.0sec																	
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	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							
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec							
Seqn= 56	1-time(s)	2.0sec																	
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.00s	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							
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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							
Subr= 2	15-time(s)	180.0sec																	
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 #1B93: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment										
08/31 11:33:00 - 08/31 17:29:54	Fixed (-22.0, 861.0)	HOP206 at N-pole										
PROG= 18	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)	2.0sec										
Seqn= 57	1-time(s)	30.0sec										
Open/Al-mesh	Open/Al-mesh	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	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 #1C7D: Synoptic 7 Filter w/ Al-mesh(181/1024/5795), Al-poly(256/2897/8192), Thin-Be(1024/11571/23142) - Thick-Be(65536), Al-poly+Ti-poly(512/8192),

Term	Pointing (x, y)	Comment										
08/31 17:33:00 - 08/31 17:39:54	Fixed (0.0, 0.0)	synoptic, shifted manually										
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= 88	1-time(s)	2.0sec										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 44	1-time(s)	2.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 33	1-time(s)	2.0sec										
thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	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= 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= 17	1-time(s)	2.0sec										
med-Al/Open	med-Al/Open	close	Safe	Norm	5.66s	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= 86	1-time(s)	2.0sec										
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	8.00s	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 #1C5A: HOP336 1-filter - Al/poly -384x384, 1024ms and 8192s, 60s-cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
08/31 18:10:30 - 08/31 20:39:54	Track (-32.6, 406.1) @ 08/31 17:40:00	HOP336 North hemisphere
08/31 20:43:00 - 08/31 23:39:54	Track (-31.8, -739.0) @ 08/31 20:40:00	HOP336 South hemisphere
PROG= 01 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= 72	1-time(s) 60.0sec	
	Al-poly/Open Al-poly/Ti-poly close Safe Norm 8.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec	
	Al-poly/Open Al-poly/Open close Safe Norm 1.00s 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 #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
08/31 23:43:00 - 09/01 01:43:30	Fixed (-22.0, -39.0)	Disk center QS obs for SOT
PROG= 04 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	10-time(s) 360.0sec	
Seqn= 8	1-time(s) 2.0sec	
	thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec	
	thin-Be/Open med-Be/Open close Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec	
Seqn= 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	

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Flare mode

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XOB #1B8E: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512)

Term	Pointing (x, y)	Comment
08/29 12:22:00 - 08/29 17:49:24	Track (-356.1, 283.3) @ 08/29 12:19:00	# OP start + 10min, Plage obs and HOP405(officially 7-15UT)
08/29 18:02:30 - 08/30 01:59:54	Track (-314.0, 281.2) @ 08/29 17:59:30	Plage obs
08/30 02:30:00 - 08/30 06:00:00	Fixed (0.0, 0.0)	HOP349 and synoptic
08/30 06:13:00 - 08/30 18:05:24	Track (-221.0, 277.7) @ 08/30 06:10:00	Plage obs and HOP405(officially 7-15UT)
08/30 18:18:30 - 08/31 01:59:54	Track (-126.1, 275.5) @ 08/30 18:15:30	Plage obs
08/31 02:03:00 - 08/31 06:23:00	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted 23.0 min
08/31 06:36:00 - 08/31 11:29:54	Track (-28.1, 274.6) @ 08/31 06:33:00	Plage obs
08/31 11:33:00 - 08/31 17:29:54	Fixed (-22.0, 861.0)	HOP206 at N-pole
08/31 18:10:30 - 08/31 20:39:54	Track (-32.6, 406.1) @ 08/31 17:40:00	HOP336 North hemisphere
08/31 20:43:00 - 08/31 23:39:54	Track (-31.8, -739.0) @ 08/31 20:40:00	HOP336 South hemisphere
08/31 23:43:00 - 09/01 01:43:30	Fixed (-22.0, -39.0)	Disk center QS obs for SOT
09/01 02:07:00 - 09/01 05:55:00	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted -5.0 min
09/01 06:08:00 - 09/01 11:05:30	Track (158.6, 276.8) @ 09/01 06:05:00	Plage obs
PROG= 13 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=100	1-time(s) 10.0sec	
	thin-Be/Open med-Be/Open close Safe Norm 125ms Obs 1x1 384x384 (1024, 1024) Q=95 2 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-Al Open/thick-Be close Safe Norm 1.00s 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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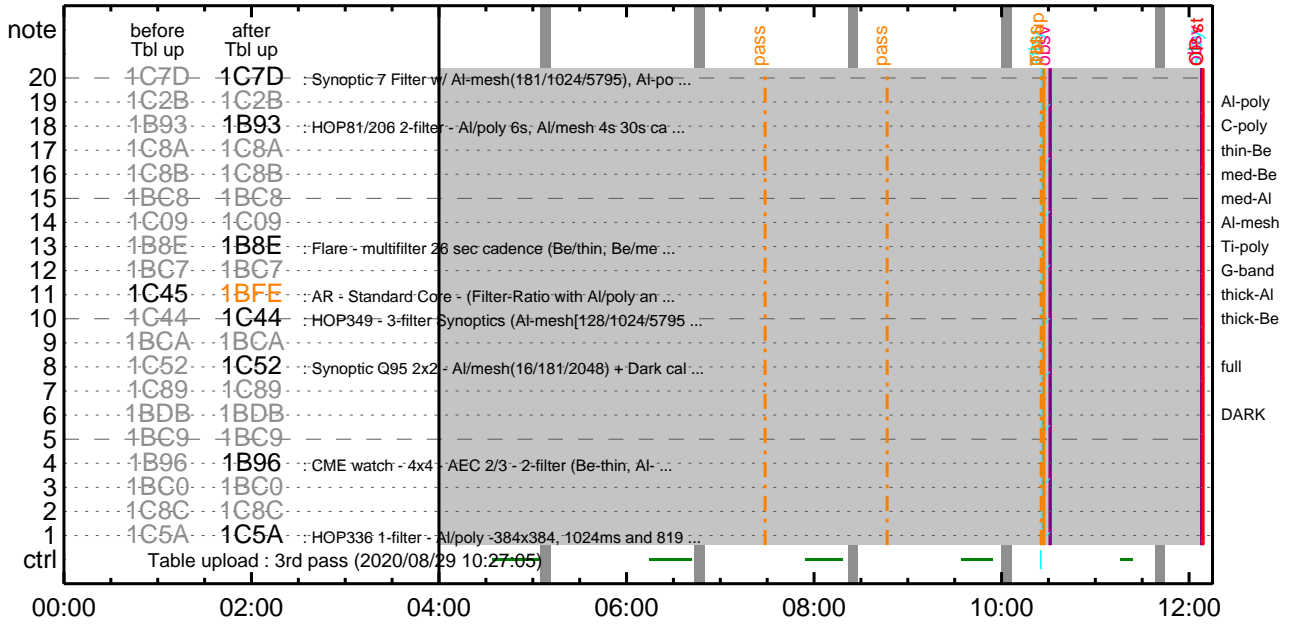
Flare Detection

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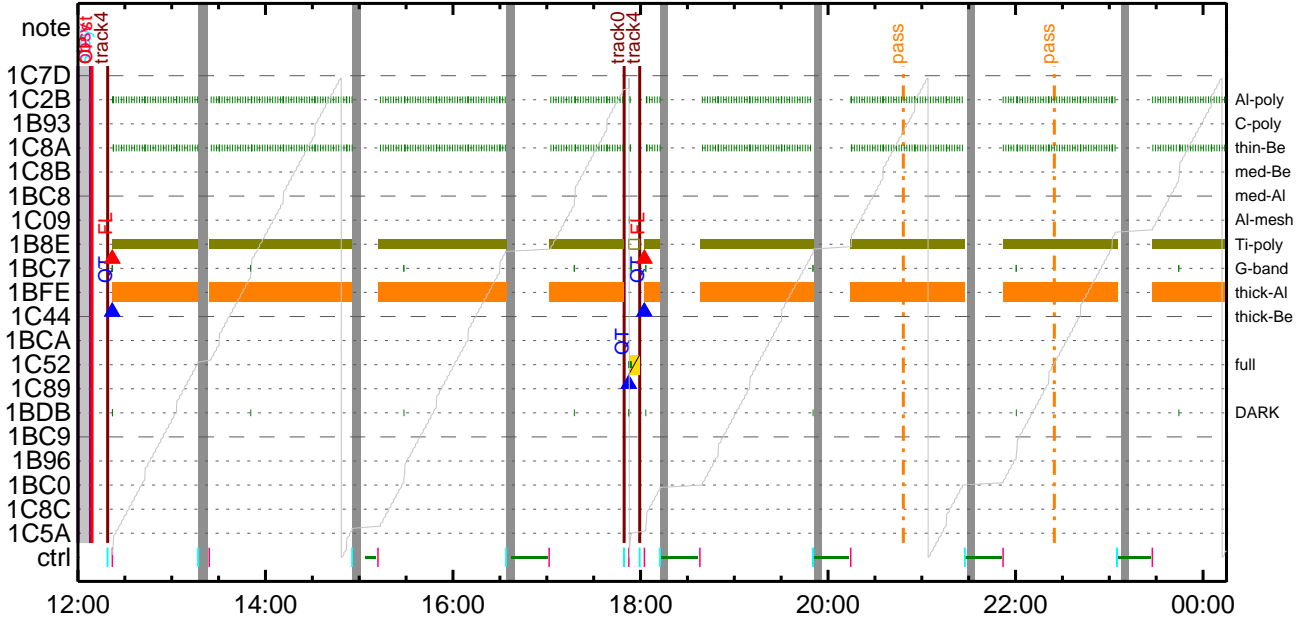
FLD Patrol

Term	Pointing (x, y)	Comment
08/29 17:59:48 - 08/30 06:00:24	Track (-314.0, 281.2) ^{@ 08/29 17:59:30}	Plage obs
08/30 06:10:18 - 08/30 18:05:48	Track (-221.0, 277.7) ^{@ 08/30 06:10:00}	Plage obs and HOP405(officially 7-15UT)
08/30 18:15:48 - 08/31 06:23:24	Track (-126.1, 275.5) ^{@ 08/30 18:15:30}	Plage obs
08/31 06:33:18 - 08/31 17:30:18	Track (-28.1, 274.6) ^{@ 08/31 06:33:00}	Plage obs
08/31 17:40:18 - 09/01 05:55:24	Track (-32.6, 406.1) ^{@ 08/31 17:40:00}	HOP336 North hemisphere
09/01 06:05:18 - 09/03 11:18:00	Track (158.6, 276.8) ^{@ 09/01 06:05:00}	Plage obs
AI-poly/Open	AI-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

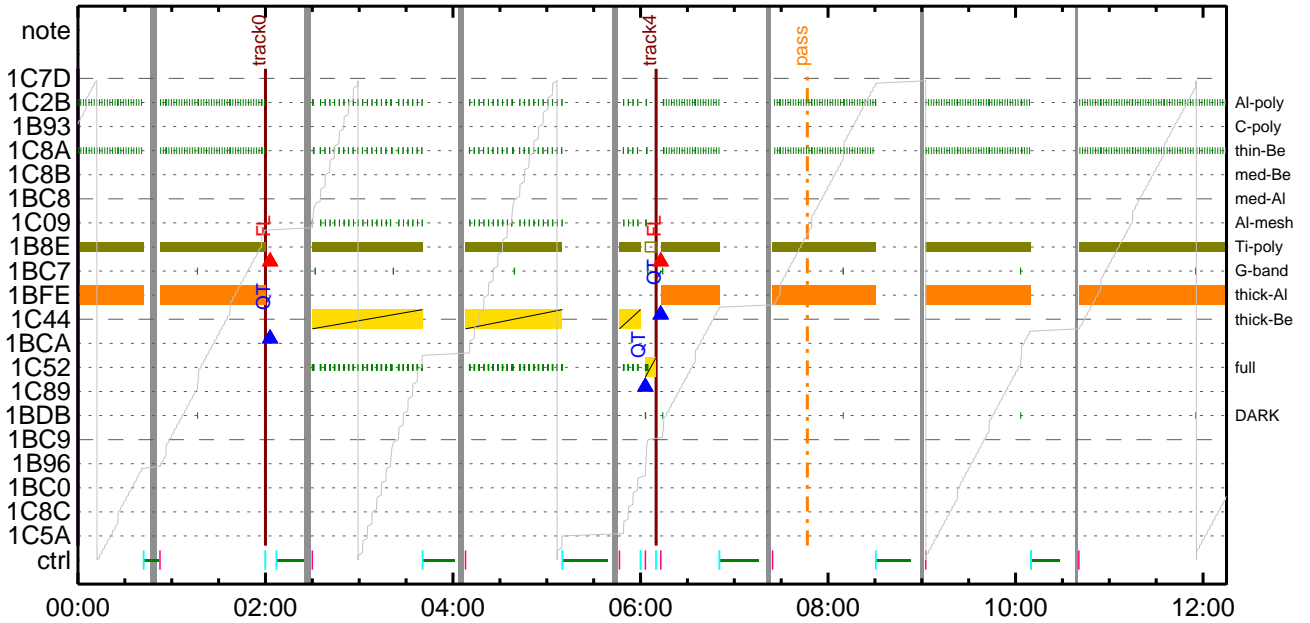
CMDI #0135 2020/08/29



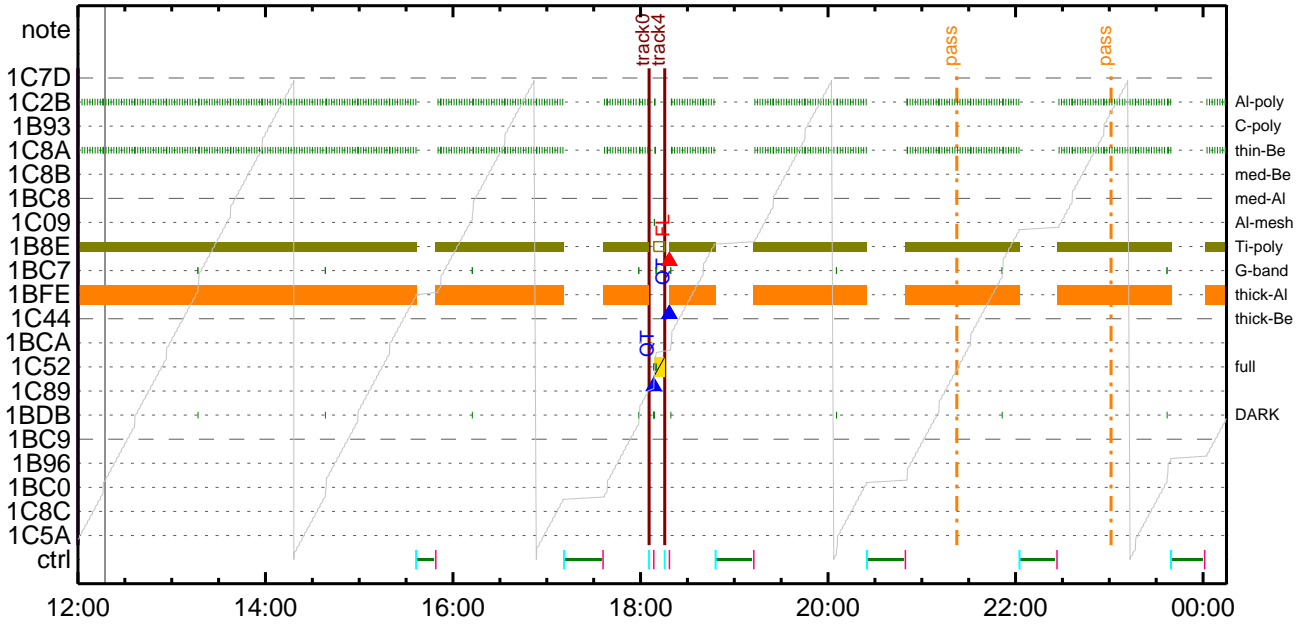
CMDI #0135 2020/08/29



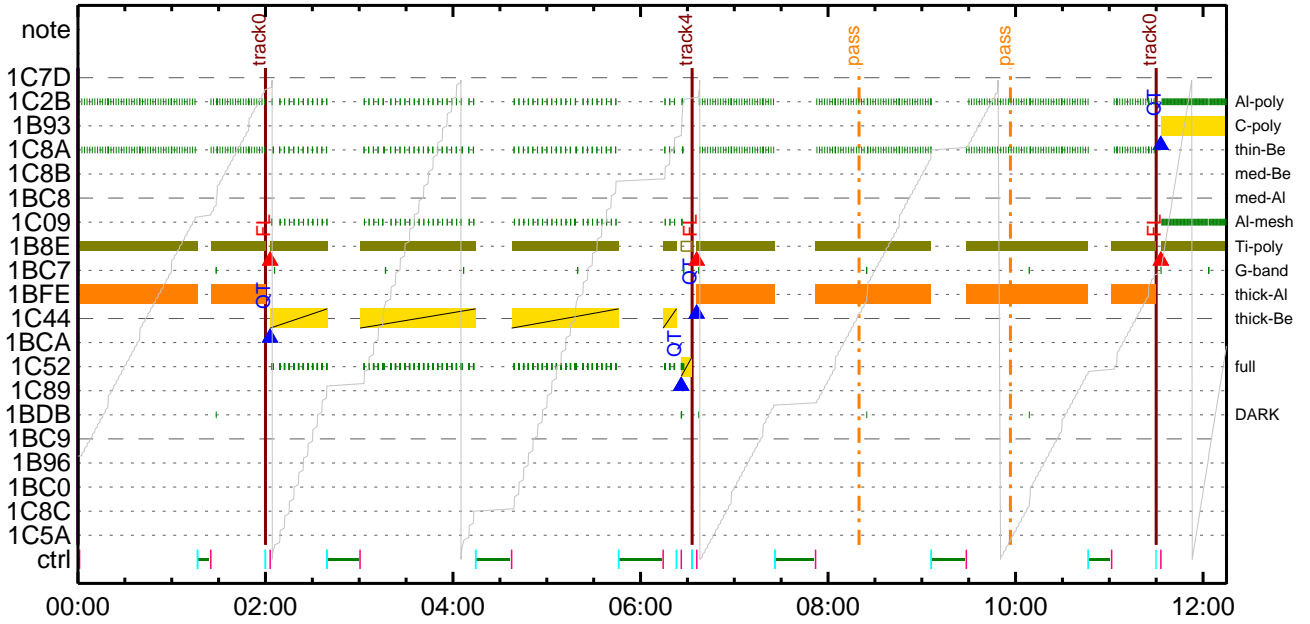
CMDI #0135 2020/08/30



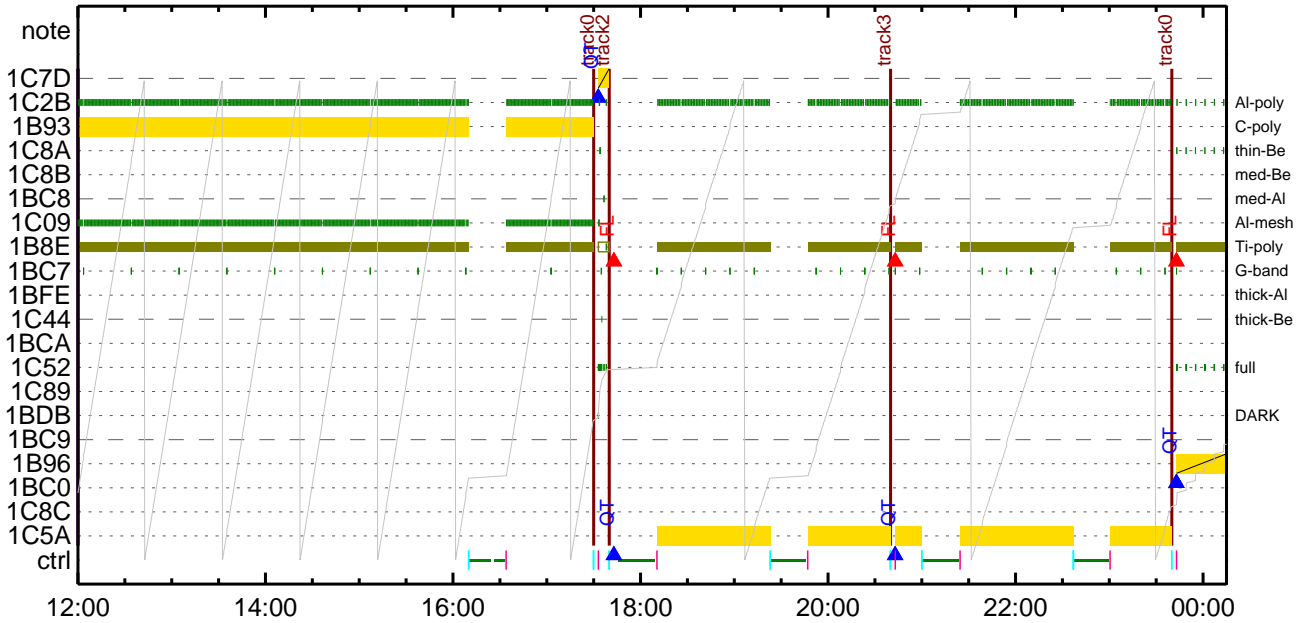
CMDI #0135 2020/08/30



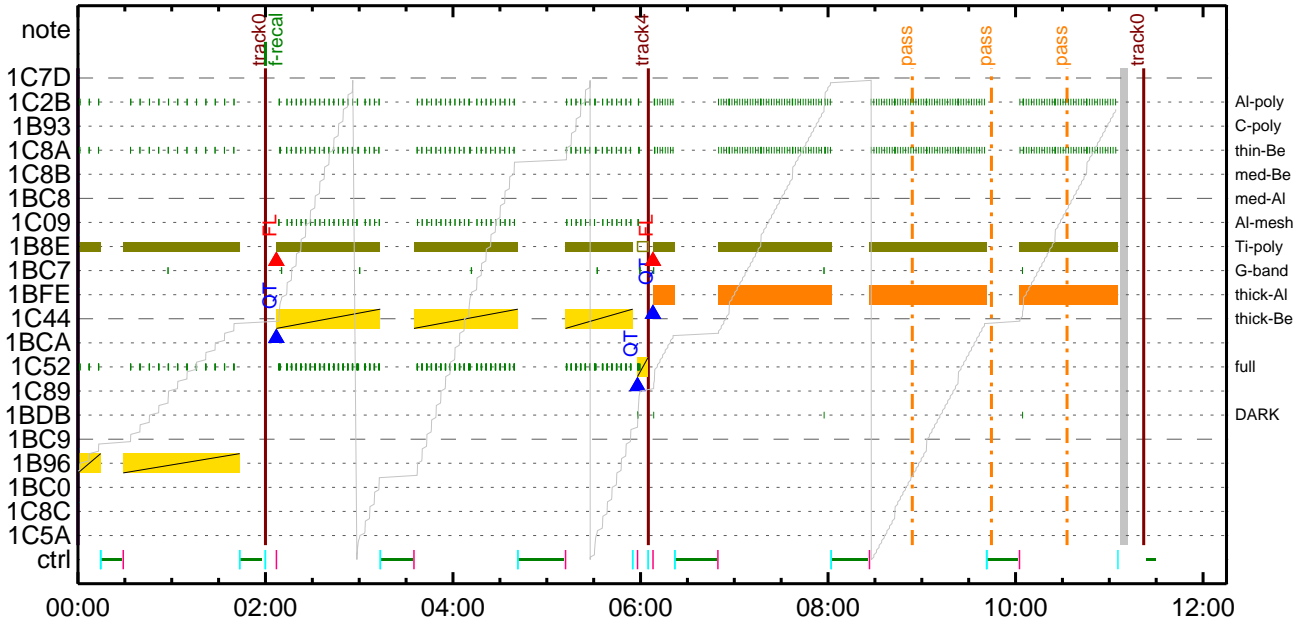
CMDI #0135 2020/08/31



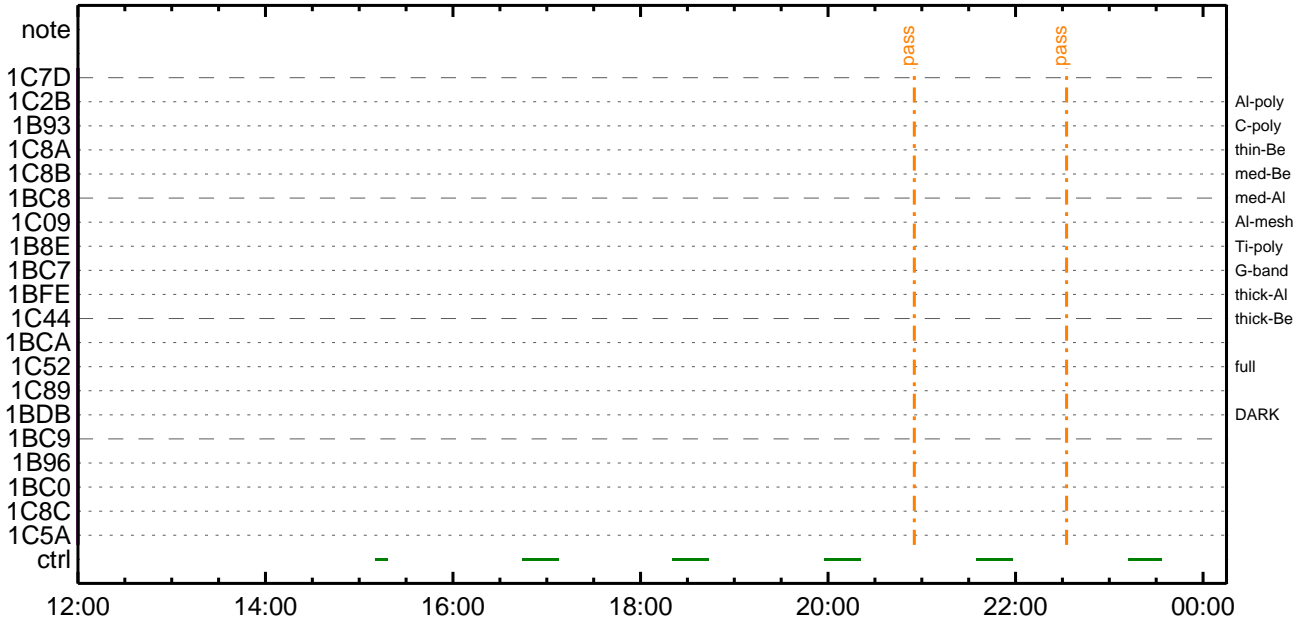
CMDI #0135 2020/08/31



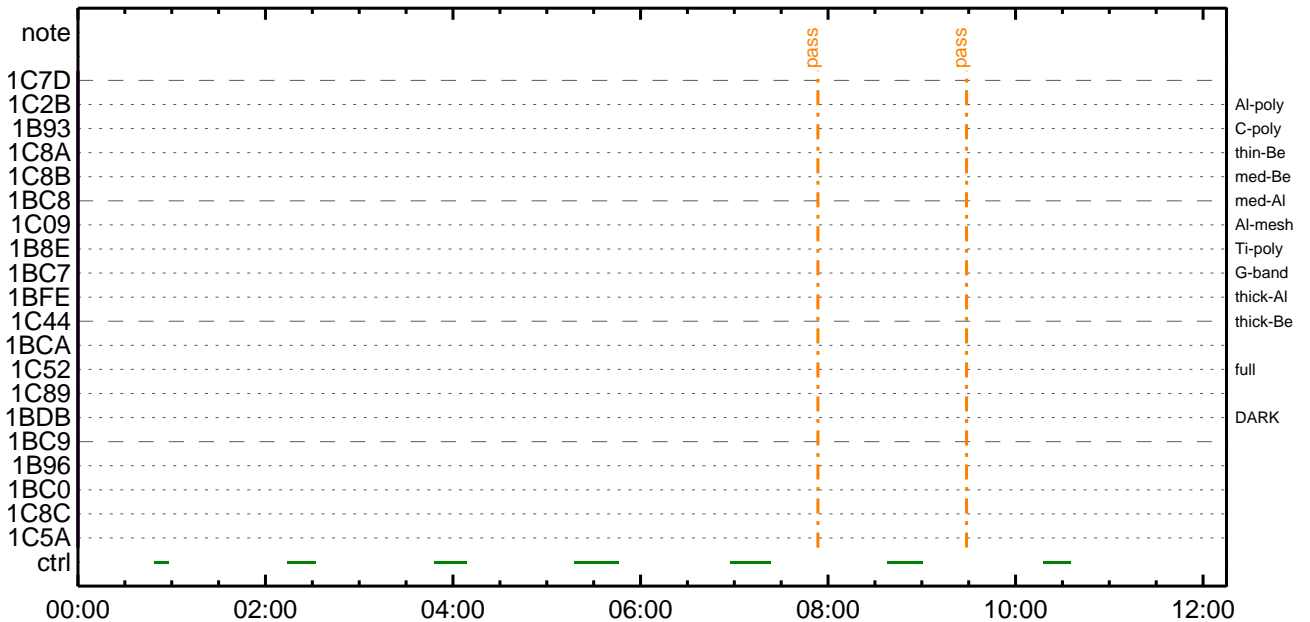
CMDI #0135 2020/09/01



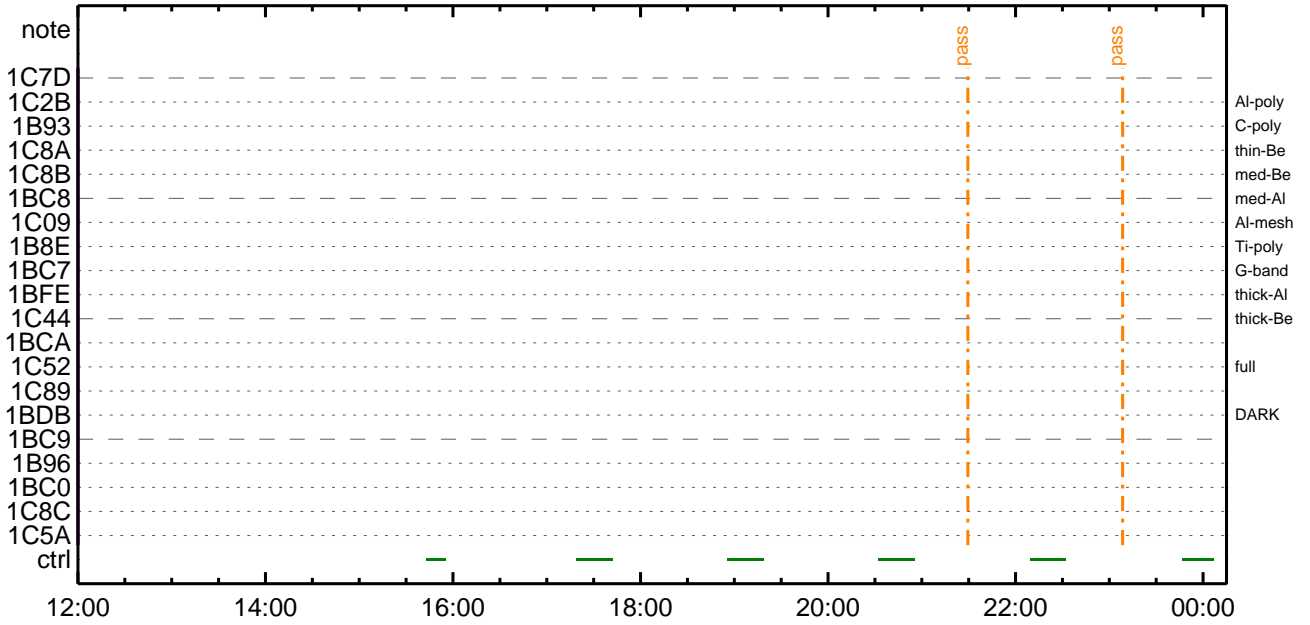
CMDI #0135 2020/09/01



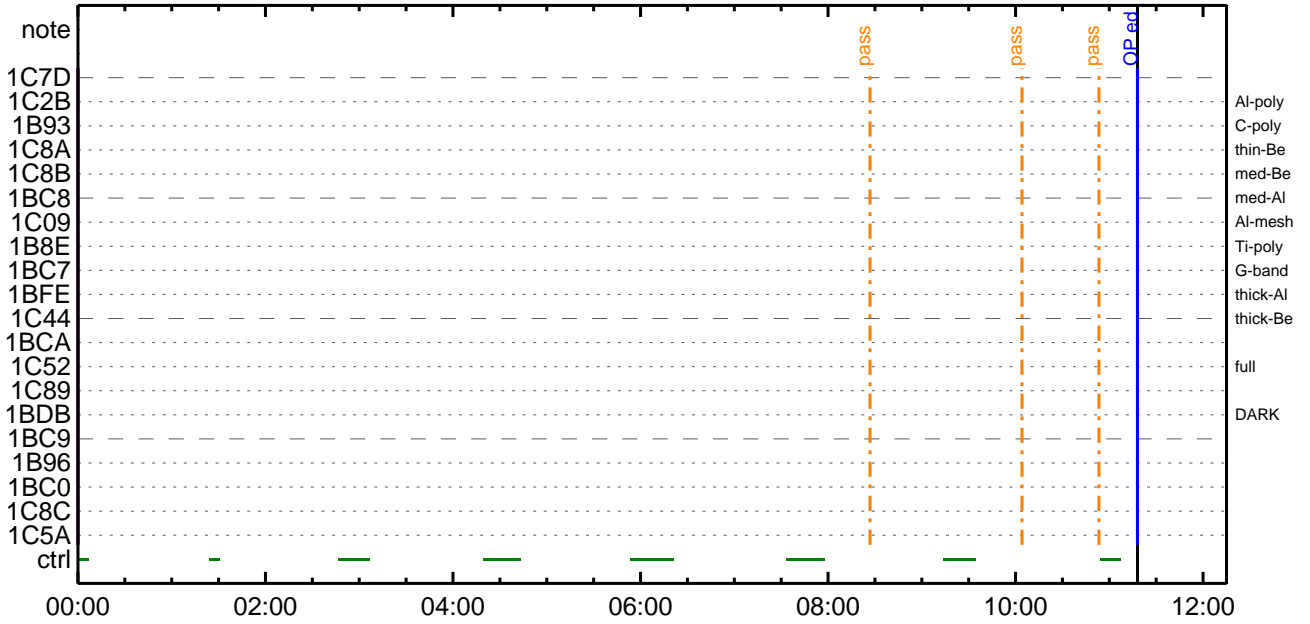
CMDI #0135 2020/09/02



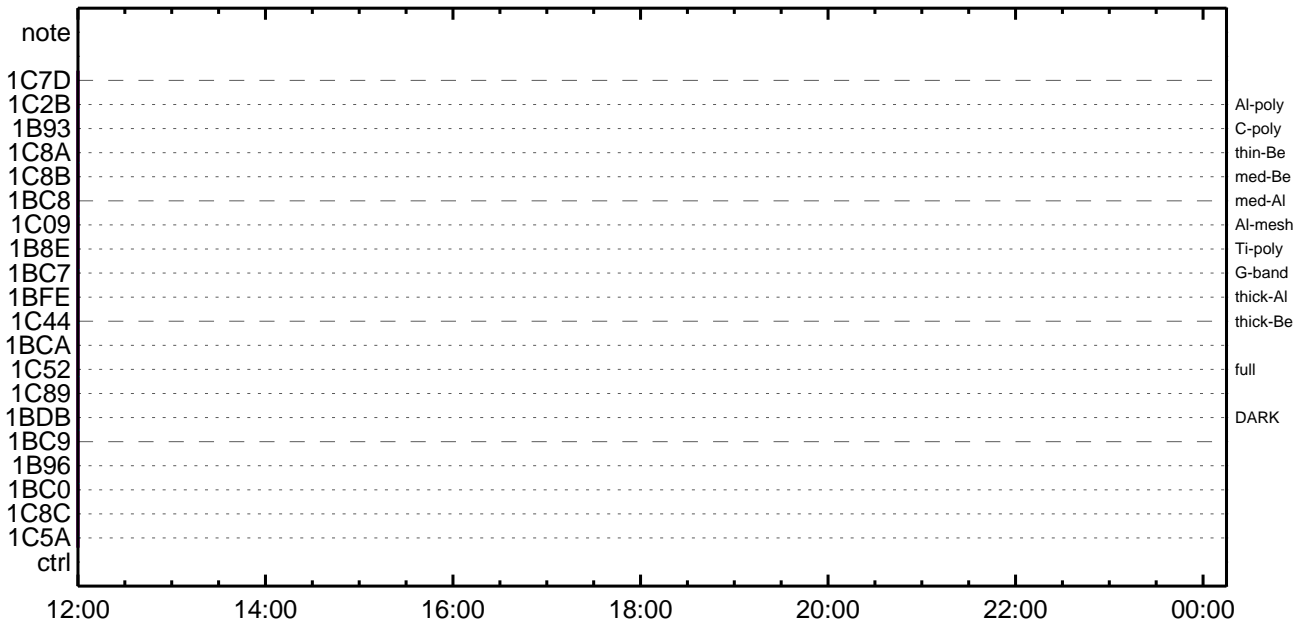
CMDI #0135 2020/09/02



CMDI #0135 2020/09/03



CMDI #0135 2020/09/03



(a) Spacecraft Operation Procedure (real-commands)

```
main-984 2020-08-29 11:23:05 194 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÀYB;¼Y³YFÝÖYÉÁ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ÈççðÄð•µ°Æ»Í×ÁÇçñÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈèÈ¼°ÇÓñ•ñç¼l¹çñí;çÄ®, ùñ¹ñèñðçÄ÷ç®ñ•ñÈñññ³ñÈ;é
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÁYóY×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-984:OP
0020 ()
0021 . S. OG og-984:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPí°èYÁYóY×;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. YÁYóY×¼ªª î»ðð³ îç§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGñí¼È¹ç•è² ÌOKñð³ îç§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. YÁYóY×¼ªª î»ðð³ îç§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGñí¼È¹ç•è² ÌOKñð³ îç§
0062 C.
0063 C. NMOG(0x210000-0x210FFF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. YÁYóY×¼ªª î»ðð³ îç§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPñí¼È¹ç•è² ÌOKñð³ îç§
0081 C.
0082 . C. ***** òÈ²¼òí¼Á´¶¼°òÈÈ¬òÄ÷ç® (¼áµ-YÁYóY×¼ªªçððÄÓÃæç¼ªª ññç¼l¹çççñä) *****
0083 C. DHUYá;¼YÉ;È¼Y¼; Yí;¼YÉ;Èòðíáñ¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;§ OPOG UPLOADñ-Á÷ç®NGñí¼l¹çç; ç°È²¼òí¼TI-CMDÁ÷ç®ñí¼Á¹Ôñ•ñÈñññ³ñÈ;é
```

```

0096 C.          SET EDUMP I±°iYÑY¹aÇ¹Ôa|a³aE;f
0097 C.
0098 C. TIY³YF¥ÖYÉaðdÄDİ¿(UT)
0099 +. TI 2020-08-29 12:04:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0102 C.
0103 +. TI 2020-08-29 12:04:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0106 C.
0107 +. TI 2020-08-29 12:04:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0110 C.
0111 +. TI 2020-08-29 12:08:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0114 C.
0115 C. °E²¼aİÄè%îÍÑaİYÁY§YÄY-¹àÛ
0116 C.          çç[HK1_TI_CMD_ENA/DIS]        EQ          ENA
0117 C.          çç[HK1_TI_CMD_NUM]          EQ          4
0118 C.          çç[HK1_NEXT_EXEC_PIM]        EQ          DHU
0119 C.          çç[HK1_NEXT_EXEC_DC]        EQ          0xB3
0120 C.
0121 C. *****
0122 C. TIİî°èYÄYÖY×
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.          çç[HK1_DMP_TOP_ADRS_1]        EQ          07
0129 C.          çç[HK1_DMP_TOP_ADRS_0]        EQ          2B
0130 C.          çç[HK1_DMP_BLOCK_NUM]        EQ          3
0131 C.          çç[HK1_DMP_REPEAT_NUM]       EQ          0
0132 C.          çç[HK1_DMA_DMP_PIM]         EQ          DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC          (07 0b f8)
0135 C.          çç[HK1_PKT_FORM_NO]          EQ          7
0136 C.          çç[HK1_PKT_GEN_TIME]         EQ          0.25 s
0137 C.          çç[HK1_S_TLM_BIT_RATE]       EQ          32k
0138 C.          çç[HK1_X_TLM_BIT_RATE]      EQ          4M
0139 C.          çç[HK1_DMP_CHK_FLG]         EQ          EXEC
0140 C.
0141 C. YÄYÖY×½ªİ»að³İÇ§
0142 C.          çç[HK1_DMP_CHK_FLG]         EQ          NON
0143 C.
0144 C. RAM ID=TI_TBLaİ%È¹Ç•è²İOKað³İÇ§
0145 C.
0146 C. DHUYâ;¼YÉ;È¼Y½,¥î;¼YÈ;Èaðİáa¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC          (02 0a f8)
0149 C.          çç[HK1_PKT_FORM_NO]          EQ          2
0150 C.          çç[HK1_PKT_GEN_TIME]         EQ          0.5S
0151 C.          çç[HK1_S_TLM_BIT_RATE]       EQ          32K
0152 C.          çç[HK1_X_TLM_BIT_RATE]      EQ          4M
0153 C.
0154 C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2020-08-29 12:08:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC          (21 02)
0163 +. TI 2020-08-29 12:08:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC          (22)
0166 C.          [ ] [HK1_TI_CMD_NUM]          EQ          2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2020-08-29 12:08:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC          (c3)
0176 C.          [ ] [HK1_TI_CMD_NUM]          EQ          1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP ´úÄîaİ»ö¼YªEÄa¹aèDCBC•x²è *****
0181 C. (%á°îYÖYÄYÉYF¥YÄYÇYèE¼aª¼Ä»Üa¹aè)
0182 C. S. DC-BC dcbc-402:DCBC
0183 C. (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** YD¥¹•İ Daily±¿İÑaÈ¹Øa¹aèDCBC•x²è *****
0187 C. S. DC-BC dcbc-153:DCBC
0188 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS¥ÄY§YÄY-¼Ä»Ü;ã
0192 C.
0193 C. ***** LOS *****

```



```
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 AOCS_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] 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 AOCS_DUMP 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 AOCS_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 23s
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 2020-08-29 12:08:50.0
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 'uAÎqÎ»ö¼YqEÂð¹eDCBC•x²è *****
0156 C. (¼á°îYÖYÄYËYÏYËYáYçYèqE¼q¼A»Û¹qè)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** YD¥¹•Ï Daily±¿ÎÑqÉ'Øq¹qèDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Á¥S¥Ä¥-¼A»Û;ã
0167 C.
0168 . C. ***** LOS *****
0169 C.
```


*** OP Sequence for XRT ***

```

2020/08/29 12:18:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 12:18:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 12:18:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2020/08/29 12:19:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 04 03 74 01 f3
2020/08/29 12:19:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2020/08/29 12:19:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2020/08/29 12:19:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2020/08/29 12:19:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/08/29 12:19:26.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/08/29 12:21:56.0 XRT_QT_PROG_SET_447_OG [0x1bf]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 0b
2020/08/29 12:21:58.0 XRT_FL_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2020/08/29 12:22:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/08/29 13:17:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 13:17:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 13:17:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/08/29 13:17:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/08/29 13:20:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/08/29 13:23:00.0 XRT_Custom_430_OG [0x1ae]
2020/08/29 13:24:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/08/29 14:55:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 14:55:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 14:55:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/08/29 14:55:36.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/08/29 14:58:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/08/29 15:11:00.0 XRT_Custom_430_OG [0x1ae]
2020/08/29 15:12:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/08/29 16:34:00.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 16:34:02.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 16:34:04.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/08/29 16:34:06.0 XRT_PREFLR_STRT_407_OG [0x197]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/08/29 16:37:14.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/08/29 17:00:30.0 XRT_Custom_430_OG [0x1ae]
2020/08/29 17:01:30.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/08/29 17:49:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 17:49:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 17:49:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/08/29 17:49:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2020/08/29 17:49:48.0 XRT_FLD_DIS_409_OG [0x199]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2020/08/29 17:49:50.0 XRT_FLRCTRL_DIS_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2020/08/29 17:49:52.0 XRT_ARS_DIS_443_OG [0x1bb]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/08/29 17:52:28.0 XRT_QT_PROG_SET_403_OG [0x193]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 08
2020/08/29 17:52:30.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/08/29 17:59:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 17:59:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/08/29 17:59:28.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2020/08/29 17:59:30.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 04 03 74 01 f3
2020/08/29 17:59:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8

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2020/08/29	17:59:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/08/29	17:59:52.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2020/08/29	17:59:54.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/08/29	17:59:56.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/29	18:02:26.0	XRT_QT_PROG_SET_447_OG [0x1bf]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2020/08/29	18:02:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/08/29	18:02:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/29	18:12:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	18:12:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	18:12:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/29	18:12:36.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/29	18:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/29	18:37:00.0	XRT_Custom_430_OG [0x1ae]			
2020/08/29	18:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/29	19:50:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	19:50:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	19:50:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/29	19:50:36.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/29	19:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/29	20:13:30.0	XRT_Custom_430_OG [0x1ae]			
2020/08/29	20:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/29	21:27:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	21:27:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	21:27:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/29	21:27:36.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/29	21:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/29	21:51:00.0	XRT_Custom_430_OG [0x1ae]			
2020/08/29	21:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/29	23:05:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	23:05:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/29	23:05:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/29	23:05:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/29	23:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/29	23:26:30.0	XRT_Custom_430_OG [0x1ae]			
2020/08/29	23:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	00:42:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	00:42:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	00:42:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	00:42:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/30	00:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/30	00:51:30.0	XRT_Custom_430_OG [0x1ae]			
2020/08/30	00:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/08/30	02:00:00.0	AOCs_OrE-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2020/08/30	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2020/08/30	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/08/30	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0

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2020/08/30	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/08/30	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	02:02:56.0	XRT_QT_PROG_SET_433_OG [0x1b1]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2020/08/30	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/08/30	02:07:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	02:07:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	02:07:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	02:07:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/30	02:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/30	02:29:00.0	XRT_Custom_430_OG [0x1ae]			
2020/08/30	02:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	03:40:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	03:40:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	03:40:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	03:40:36.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/30	03:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/30	04:07:00.0	XRT_Custom_430_OG [0x1ae]			
2020/08/30	04:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	05:10:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	05:10:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	05:10:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	05:10:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/08/30	05:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/08/30	05:45:30.0	XRT_Custom_430_OG [0x1ae]			
2020/08/30	05:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	06:00:00.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:00:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:00:04.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/08/30	06:00:24.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2020/08/30	06:00:26.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2020/08/30	06:00:28.0	XRT_ARS_DIS_443_OG [0x1bb]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/08/30	06:03:04.0	XRT_QT_PROG_SET_403_OG [0x193]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2020/08/30	06:03:06.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2020/08/30	06:10:00.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	04 03 74 01 f3
2020/08/30	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2020/08/30	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/08/30	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2020/08/30	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/08/30	06:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/08/30	06:12:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2020/08/30	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/08/30	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/08/30	06:50:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:50:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/08/30	06:50:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da

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2020/08/30	06:50:36.0	XRT_PREFLR_STRT_407_OG [0x197]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/08/30	06:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/08/30	07:23:30.0	XRT_Custom_430_OG [0x1ae]							
2020/08/30	07:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	08:30:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	08:30:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	08:30:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/08/30	08:30:36.0	XRT_PREFLR_STRT_407_OG [0x197]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/08/30	08:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/08/30	09:01:30.0	XRT_Custom_430_OG [0x1ae]							
2020/08/30	09:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	10:10:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	10:10:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	10:10:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/08/30	10:10:06.0	XRT_PREFLR_STRT_407_OG [0x197]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/08/30	10:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/08/30	10:39:30.0	XRT_Custom_430_OG [0x1ae]							
2020/08/30	10:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	15:36:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	15:36:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	15:36:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/08/30	15:36:36.0	XRT_PREFLR_STRT_407_OG [0x197]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/08/30	15:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/08/30	15:48:00.0	XRT_Custom_430_OG [0x1ae]							
2020/08/30	15:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	17:11:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	17:11:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	17:11:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/08/30	17:11:06.0	XRT_PREFLR_STRT_407_OG [0x197]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/08/30	17:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/08/30	17:35:00.0	XRT_Custom_430_OG [0x1ae]							
2020/08/30	17:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	18:05:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	18:05:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	18:05:28.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2020/08/30	18:05:30.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2020/08/30	18:05:48.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2020/08/30	18:05:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2020/08/30	18:05:52.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2020/08/30	18:08:28.0	XRT_QT_PROG_SET_403_OG [0x193]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08				
2020/08/30	18:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/08/30	18:15:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	18:15:26.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/08/30	18:15:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2020/08/30	18:15:30.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04 03 74 01 f3				
2020/08/30	18:15:48.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2020/08/30	18:15:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2020/08/30	18:15:52.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2020/08/30	18:15:54.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				

2020/08/30	18:15:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/30	18:18:26.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2020/08/30	18:18:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/08/30	18:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/30	18:48:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	18:48:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	18:48:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/30	18:48:06.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/30	18:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/30	19:11:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/30	19:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/30	20:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	20:25:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	20:25:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/30	20:25:06.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/30	20:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/30	20:48:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/30	20:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/30	22:02:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	22:02:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	22:02:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/30	22:02:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/30	22:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/30	22:25:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/30	22:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/30	23:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	23:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/30	23:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/30	23:39:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/30	23:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/31	00:00:00.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	00:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	01:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	01:16:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	01:16:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	01:16:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/31	01:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/31	01:24:00.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	01:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2020/08/31	02:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2020/08/31	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/08/31	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/08/31	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/08/31	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/08/31	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	02:02:56.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a

2020/08/31	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2020/08/31	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	02:39:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	02:39:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	02:39:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	02:39:36.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	02:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	02:59:30.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	03:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	04:14:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	04:14:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	04:14:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	04:14:36.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	04:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	04:36:30.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	04:37:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	05:46:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	05:46:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	05:46:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	05:46:06.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	05:49:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	06:13:30.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	06:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	06:23:00.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	06:23:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	06:23:04.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00		
2020/08/31	06:23:24.0	XRT_FLD_DIS_409_OG [0x199]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2020/08/31	06:23:26.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2020/08/31	06:23:28.0	XRT_ARS_DIS_443_OG [0x1bb]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/08/31	06:26:04.0	XRT_QT_PROG_SET_403_OG [0x193]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08		
2020/08/31	06:26:06.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	06:32:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	06:32:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	06:32:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00		
2020/08/31	06:33:00.0	AOCs_OrE-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	04	03 74 01 f3		
2020/08/31	06:33:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/08/31	06:33:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/08/31	06:33:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/08/31	06:33:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/08/31	06:33:26.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	06:35:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b		
2020/08/31	06:35:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2020/08/31	06:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	07:26:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	07:26:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	07:26:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	07:26:06.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	07:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			

2020/08/31	07:51:00.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	07:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	09:06:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	09:06:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	09:06:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	09:06:06.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	09:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	09:27:30.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	09:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	10:46:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	10:46:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	10:46:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	10:46:36.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	10:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	11:00:30.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	11:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	11:29:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	11:29:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2020/08/31	11:30:00.0	AOCS_ORe-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 b3 75 01 f3			
2020/08/31	11:30:16.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/08/31	11:30:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/08/31	11:30:20.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/08/31	11:30:22.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/08/31	11:30:24.0	XRT_FLD_RESET_417_OG [0x1a1]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	11:32:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12			
2020/08/31	11:32:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2020/08/31	11:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	16:10:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	16:10:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	16:10:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	16:10:06.0	XRT_PREFLR_STRT_407_OG [0x197]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/08/31	16:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/08/31	16:33:00.0	XRT_Custom_430_OG [0x1ae]						
2020/08/31	16:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	17:29:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	17:29:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	17:29:58.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2020/08/31	17:30:00.0	AOCS_ORe-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2020/08/31	17:30:18.0	XRT_FLD_DIS_409_OG [0x199]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2020/08/31	17:30:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2020/08/31	17:30:22.0	XRT_ARS_DIS_443_OG [0x1bb]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/08/31	17:32:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14			
2020/08/31	17:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/08/31	17:39:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	17:39:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/08/31	17:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2020/08/31	17:40:00.0	AOCS_ORe-point_Start_4_OG [0x09a]						
		AOCU_NM	5	02-76	02 03 74 01 f3			
2020/08/31	17:40:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/08/31	17:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						

2020/08/31	17:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
			MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/08/31	17:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/08/31	17:40:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	17:42:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2020/08/31	17:42:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/08/31	18:09:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	18:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	19:23:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	19:23:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	19:23:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	19:23:06.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/31	19:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/31	19:46:00.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	19:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	20:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	20:39:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	20:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2020/08/31	20:40:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	03 03 74 01	f3
2020/08/31	20:40:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/08/31	20:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/08/31	20:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/08/31	20:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/08/31	20:40:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	20:42:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2020/08/31	20:42:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/08/31	20:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	21:00:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	21:00:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	21:00:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	21:00:06.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/31	21:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/31	21:23:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	21:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	22:37:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	22:37:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	22:37:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/08/31	22:37:06.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/08/31	22:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/08/31	22:59:30.0	XRT_Custom_430_OG [0x1ae]					
2020/08/31	23:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/08/31	23:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	23:39:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/08/31	23:39:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2020/08/31	23:40:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 03 74 01	f3
2020/08/31	23:40:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/08/31	23:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/08/31	23:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/08/31	23:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	

2020/08/31	23:40:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/08/31	23:42:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	04		
2020/08/31	23:42:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2020/08/31	23:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/09/01	00:14:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	00:14:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	00:14:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/09/01	00:14:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/09/01	00:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/09/01	00:28:00.0	XRT_Custom_430_OG [0x1ae]							
2020/09/01	00:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/09/01	01:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	01:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	01:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/09/01	01:43:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/09/01	01:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/09/01	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	01:59:58.0	XRT_FOCUS_RECALIBRATE_427_OG [0x1ab]	XRT_FOCUS_RECAL	2	07-F8	78	00		
2020/09/01	02:00:00.0	AOCS_Or-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2020/09/01	02:03:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2020/09/01	02:04:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/09/01	02:04:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/09/01	02:04:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/09/01	02:04:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/09/01	02:04:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/09/01	02:06:56.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a		
2020/09/01	02:06:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2020/09/01	02:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/09/01	03:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	03:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	03:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/09/01	03:13:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/09/01	03:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/09/01	03:34:00.0	XRT_Custom_430_OG [0x1ae]							
2020/09/01	03:35:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/09/01	04:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	04:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	04:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/09/01	04:41:36.0	XRT_PREFLR_STRT_407_OG [0x197]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/09/01	04:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/09/01	05:11:00.0	XRT_Custom_430_OG [0x1ae]							
2020/09/01	05:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/09/01	05:55:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	05:55:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/09/01	05:55:04.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2020/09/01	05:55:24.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2020/09/01	05:55:26.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			

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2020/09/01	05:55:28.0	XRT_ARS_DIS_443_OG [0x1bb]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/09/01	05:58:04.0	XRT_QT_PROG_SET_403_OG [0x193]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2020/09/01	05:58:06.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/09/01	06:04:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	06:04:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	06:04:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2020/09/01	06:05:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	04 03 74 01 f3
2020/09/01	06:05:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2020/09/01	06:05:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/09/01	06:05:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2020/09/01	06:05:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/09/01	06:05:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/09/01	06:07:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2020/09/01	06:07:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/09/01	06:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/09/01	06:22:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	06:22:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	06:22:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/09/01	06:22:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/09/01	06:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/09/01	06:48:30.0	XRT_Custom_430_OG [0x1ae]			
2020/09/01	06:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/09/01	08:02:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	08:02:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	08:02:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/09/01	08:02:06.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/09/01	08:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/09/01	08:25:30.0	XRT_Custom_430_OG [0x1ae]			
2020/09/01	08:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/09/01	09:41:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	09:41:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	09:41:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/09/01	09:41:36.0	XRT_PREFLR_STRT_407_OG [0x197]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/09/01	09:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/09/01	10:01:30.0	XRT_Custom_430_OG [0x1ae]			
2020/09/01	10:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/09/01	11:05:30.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/09/01	11:22:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00