

XRT Timeline to be uploaded on 2020/02/22

Period: 2020/02/22 10:32:00 - 2020/02/27 11:48:00

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Normal mode

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XOB #1B93: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s cadence, G-band - 384x384 1ms													
Term	Pointing (x, y)		Comment										
02/22 10:45:00 - 02/22 18:01:24	Fixed (-22.0, -959.0)		# OP start + 10min, HOP206 at S-pole										
PROG= 03 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 #1C0C: Synoptic Q95 2x2 - Al/mesh(512/2048/4096) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(512/4096/8192)												
Term	Pointing (x, y)		Comment									
02/22 18:04:30 - 02/22 18:11:24	Fixed (0.0, 0.0)		synoptic, shifted 1.5 min									
02/23 18:08:30 - 02/23 18:15:24	Fixed (0.0, 0.0)		synoptic, shifted 5.5 min									
02/24 05:54:00 - 02/24 06:00:54	Fixed (0.0, 0.0)		HOP349 and synoptic, shifted -9.0 min									
02/24 16:03:00 - 02/24 16:09:54	Fixed (0.0, 0.0)		synoptic, shifted manually									
02/25 06:03:00 - 02/25 06:09:54	Fixed (0.0, 0.0)		HOP349 and synoptic									

PROG= 19 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= 12 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	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
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 82 1-time(s) 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
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 52 1-time(s) 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
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	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 #1BCF: CME watch - 4x4 - AEC 1/2 - Al-poly - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 180s cad (G-band/Leak first)												
Term	Pointing (x, y)		Comment									
02/22 18:14:30 - 02/23 01:59:54	Track (-155.8, 226.1) ^{Ⓢ 02/22 18:11:30}		EIS QS network and coronal BP obs									
02/23 06:32:30 - 02/23 17:42:00	Track (110.1, 85.7) ^{Ⓢ 02/23 06:29:30}		AR remnant obs									
02/23 18:18:30 - 02/24 01:59:54	Track (219.1, 83.2) ^{Ⓢ 02/23 18:15:30}		Cont,									
02/24 06:08:00 - 02/24 09:38:00	Track (324.8, 79.2) ^{Ⓢ 02/24 06:01:00}		AR remnant obs									
02/24 16:13:00 - 02/25 01:59:54	Track (412.4, 74.6) ^{Ⓢ 02/24 16:10:00}		AR remnant obs									
02/25 06:13:00 - 02/25 09:24:00	Track (526.1, 66.4) ^{Ⓢ 02/25 06:10:00}		AR remnant obs									

PROG= 16 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 1-time(s) 2.0sec													
└─ Seqn= 25 20-time(s) 180.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	1	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	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 #1C21: HOP349 - 3-filter Synoptics (Al-mesh[512/2048/4096], Al-poly[512/4096/8192], thin-Be[3897/16384/32768] with 512x512 G-band+Leak(1064,1048)												
Term	Pointing (x, y)		Comment									
02/23 02:03:00 - 02/23 06:19:24	Fixed (0.0, 0.0)		HOP349 and synoptic, shifted 19.5 min									
02/24 02:03:00 - 02/24 05:50:54	Fixed (0.0, 0.0)		HOP349 and synoptic, shifted -9.0 min									

PROG= 17 Inf.-time(s)

Subr=	1	1-time(s)	300.0sec											
Seqn=	12	1-time(s)	2.0sec											
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	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
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn=	82	1-time(s)	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
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn=	52	1-time(s)	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
	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	18-time(s)	150.0sec											
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 #1C13: Synoptic 7 Filter w/ Al-mesh(512/2048/4096), Al-poly(512/4096/8192), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/23142)

Term	Pointing (x, y)	Comment
02/23 06:22:30 - 02/23 06:29:24	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted 19.5 min

PROG= 05 1-time(s)

Subr=	1	1-time(s)	2.0sec											
Seqn=	5	1-time(s)	2.0sec											
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512	(1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048	(1024, 1024)	DPCM	0	0	2.0sec
Seqn=	12	1-time(s)	2.0sec											
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	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
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn=	82	1-time(s)	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
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn=	52	1-time(s)	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
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	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=	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=	97	1-time(s)	2.0sec											
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	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
02/24 10:03:00 - 02/24 12:59:54	Track (-33.3, 611.0) @ 02/24 10:00:00	HOP336 N hemisphere
02/24 13:03:00 - 02/24 15:59:54	Track (-31.3, -569.1) @ 02/24 13:00:00	HOP336 S hemisphere

PROG= 06 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

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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 512												
Term		Pointing (x, y)				Comment						
02/22 10:45:00 - 02/22 18:01:24		Fixed (-22.0, -959.0)				# OP start + 10min, HOP206 at S-pole						
02/22 18:14:30 - 02/23 01:59:54		Track (-155.8, 226.1) ^{Ⓜ 02/22 18:11:30}				EIS QS network and coronal BP obs						
02/23 02:03:00 - 02/23 06:19:24		Fixed (0.0, 0.0)				HOP349 and synoptic, shifted 19.5 min						
02/23 06:32:30 - 02/23 17:42:00		Track (110.1, 85.7) ^{Ⓜ 02/23 06:29:30}				AR remnant obs						
02/23 18:18:30 - 02/24 01:59:54		Track (219.1, 83.2) ^{Ⓜ 02/23 18:15:30}				Cont,						
02/24 02:03:00 - 02/24 05:50:54		Fixed (0.0, 0.0)				HOP349 and synoptic, shifted -9.0 min						
02/24 06:08:00 - 02/24 09:38:00		Track (324.8, 79.2) ^{Ⓜ 02/24 06:01:00}				AR remnant obs						
02/24 10:03:00 - 02/24 12:59:54		Track (-33.3, 611.0) ^{Ⓜ 02/24 10:00:00}				HOP336 N hemisphere						
02/24 13:03:00 - 02/24 15:59:54		Track (-31.3, -569.1) ^{Ⓜ 02/24 13:00:00}				HOP336 S hemisphere						
02/24 16:13:00 - 02/25 01:59:54		Track (412.4, 74.6) ^{Ⓜ 02/24 16:10:00}				AR remnant obs						
02/25 02:03:00 - 02/25 05:59:54		Fixed (0.0, 0.0)				HOP349 and synoptic						
02/25 06:13:00 - 02/25 09:24:00		Track (526.1, 66.4) ^{Ⓜ 02/25 06:10:00}				AR remnant 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

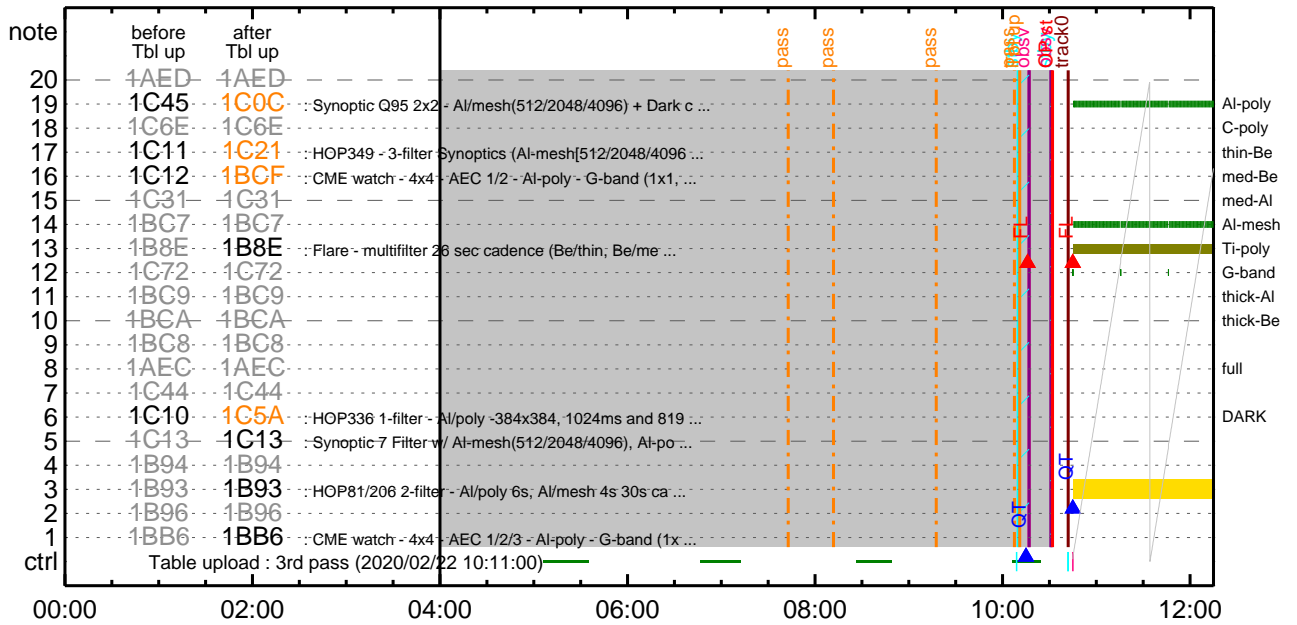
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Flare Detection

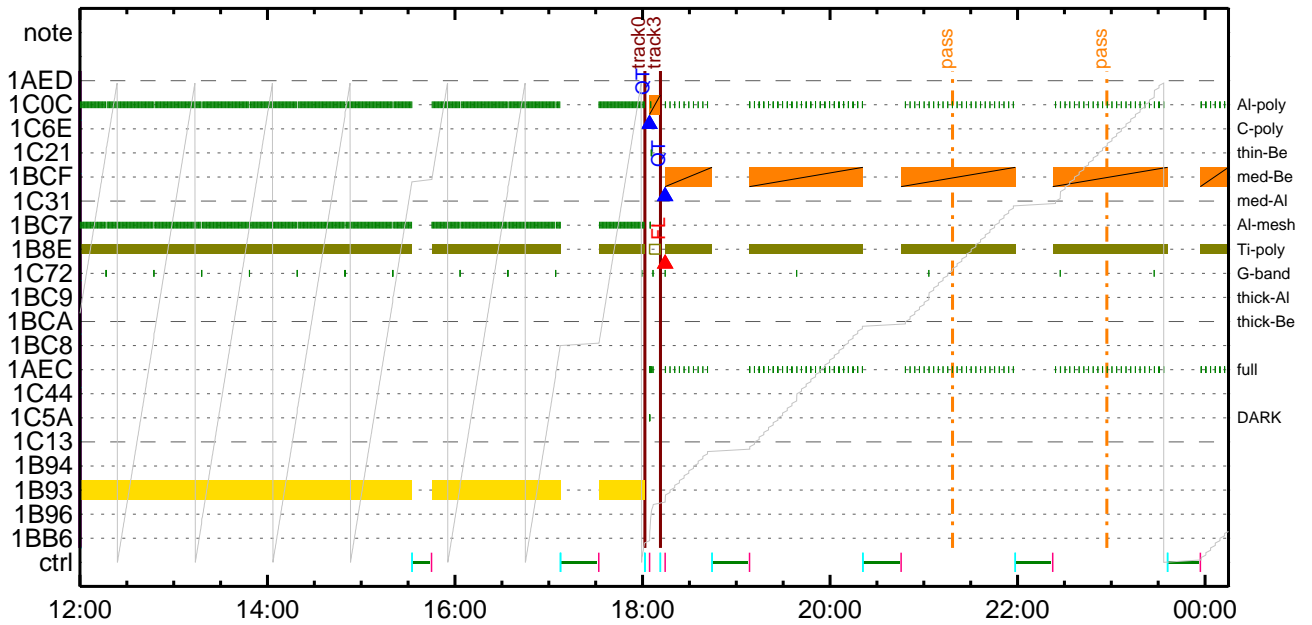
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FLD Patrol												
Term		Pointing (x, y)				Comment						
02/22 18:11:48 - 02/23 06:19:48		Track (-155.8, 226.1) ^{Ⓜ 02/22 18:11:30}				EIS QS network and coronal BP obs						
02/23 06:29:48 - 02/23 18:05:48		Track (110.1, 85.7) ^{Ⓜ 02/23 06:29:30}				AR remnant obs						
02/23 18:15:48 - 02/24 05:51:18		Track (219.1, 83.2) ^{Ⓜ 02/23 18:15:30}				Cont,						
02/24 06:05:18 - 02/24 16:00:18		Track (324.8, 79.2) ^{Ⓜ 02/24 06:01:00}				AR remnant obs						
02/24 16:10:18 - 02/25 06:00:18		Track (412.4, 74.6) ^{Ⓜ 02/24 16:10:00}				AR remnant obs						
02/25 06:10:18 - 02/27 11:48:00		Track (526.1, 66.4) ^{Ⓜ 02/25 06:10:00}				AR remnant obs						
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

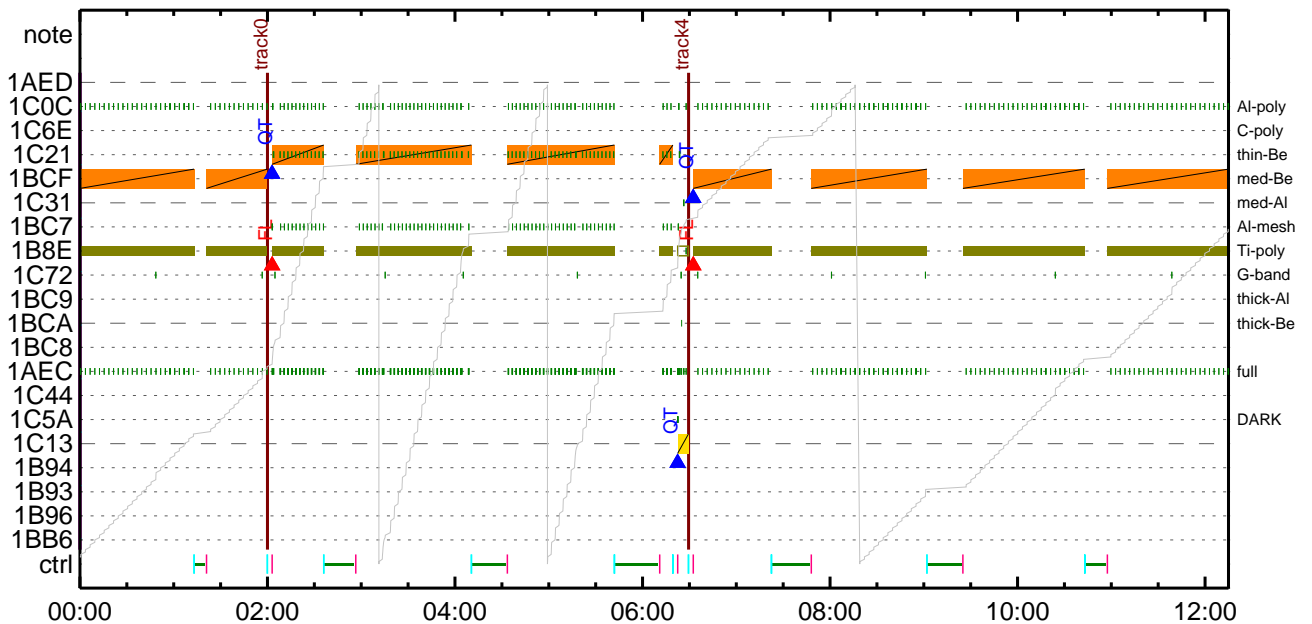
CMDI #0786 2020/02/22



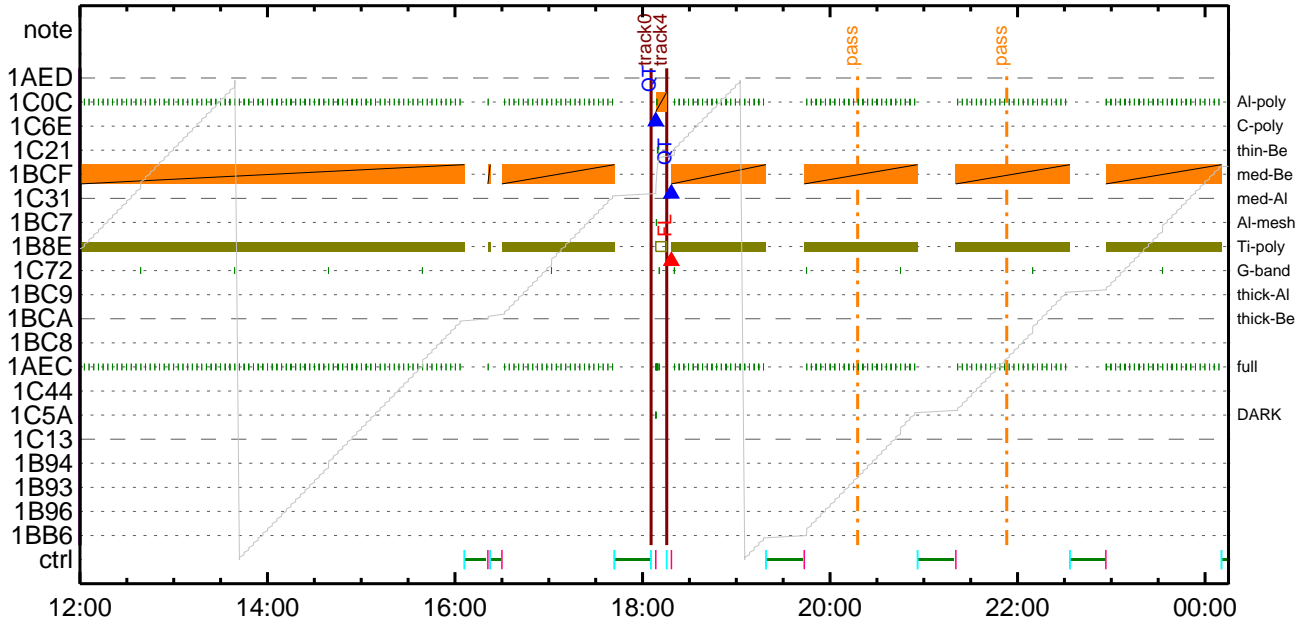
CMDI #0786 2020/02/22



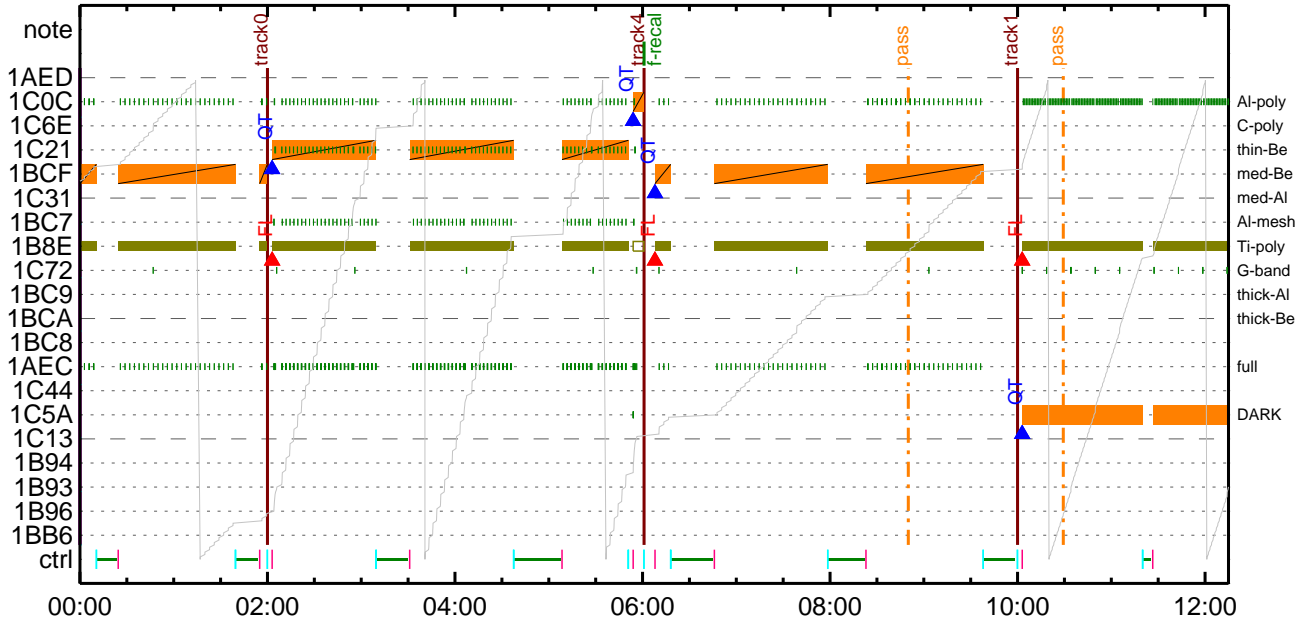
CMDI #0786 2020/02/23



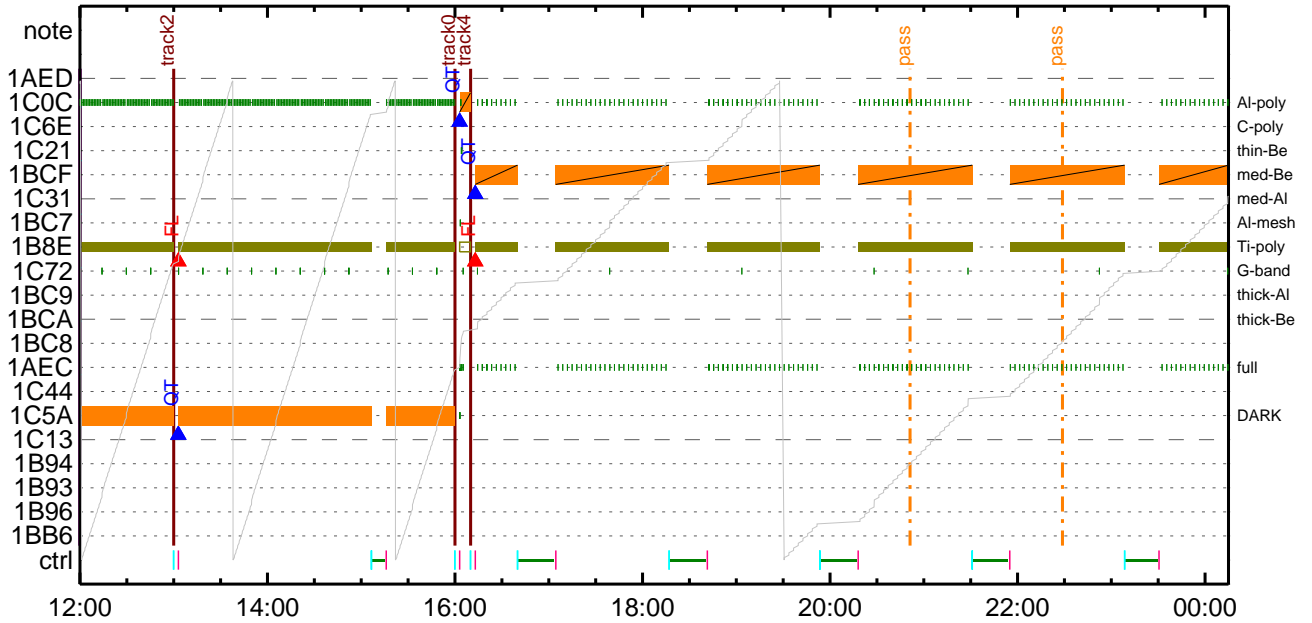
CMDI #0786 2020/02/23



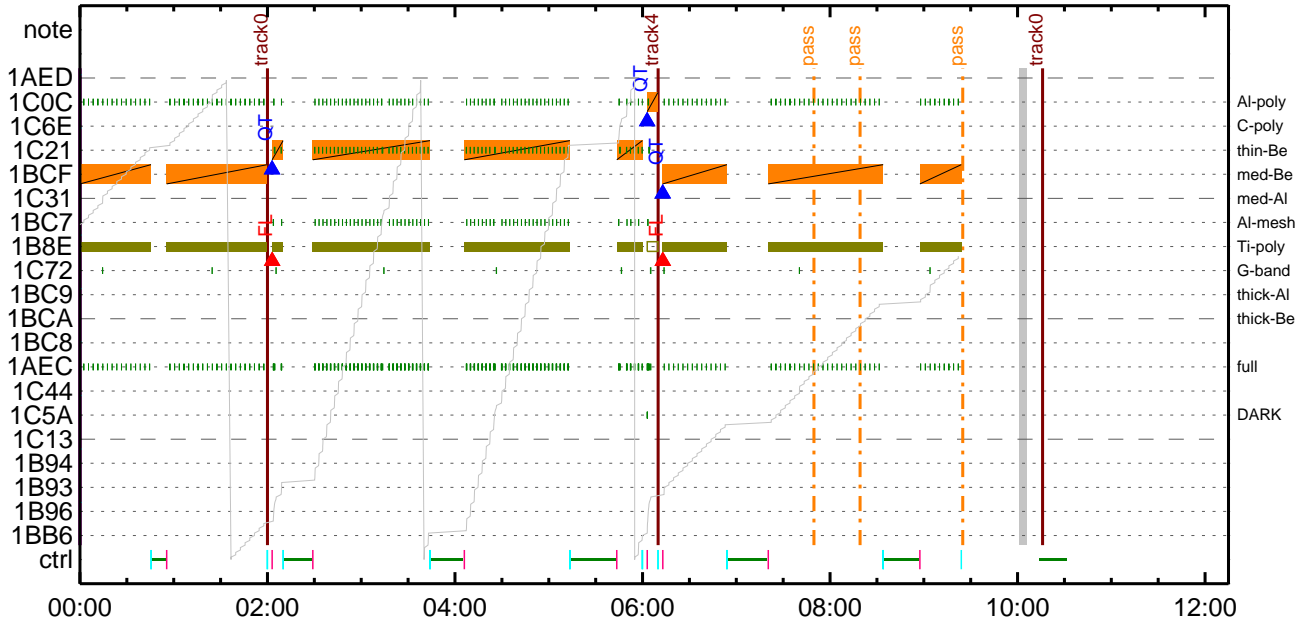
CMDI #0786 2020/02/24



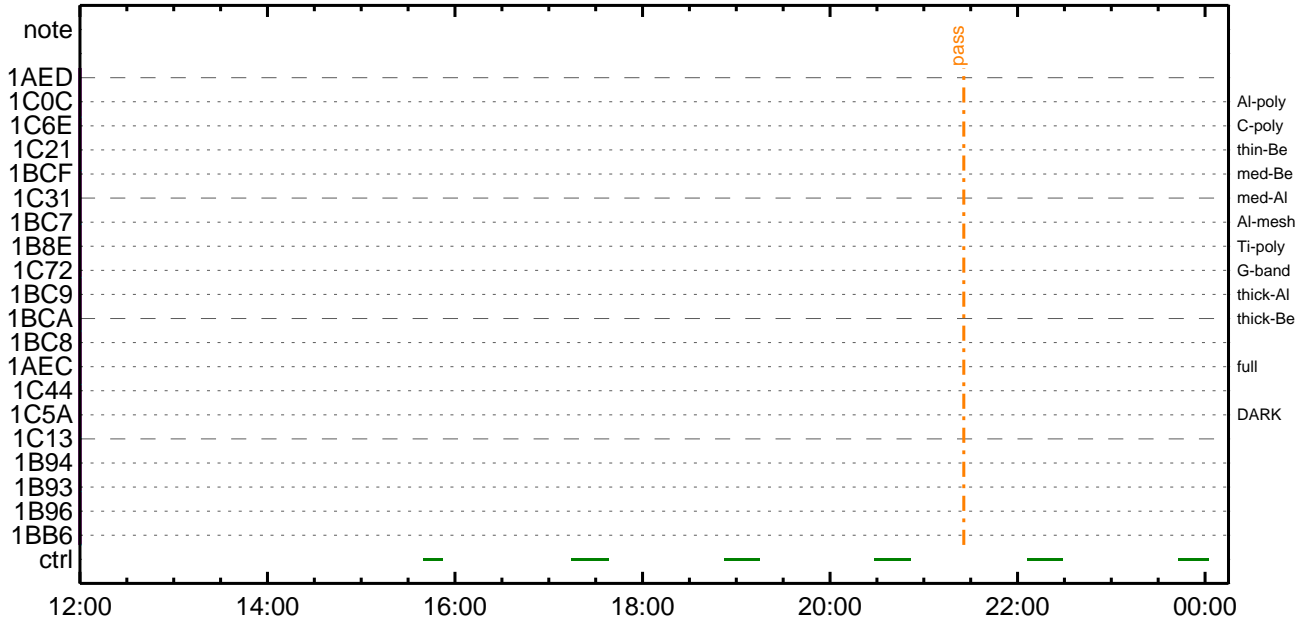
CMDI #0786 2020/02/24



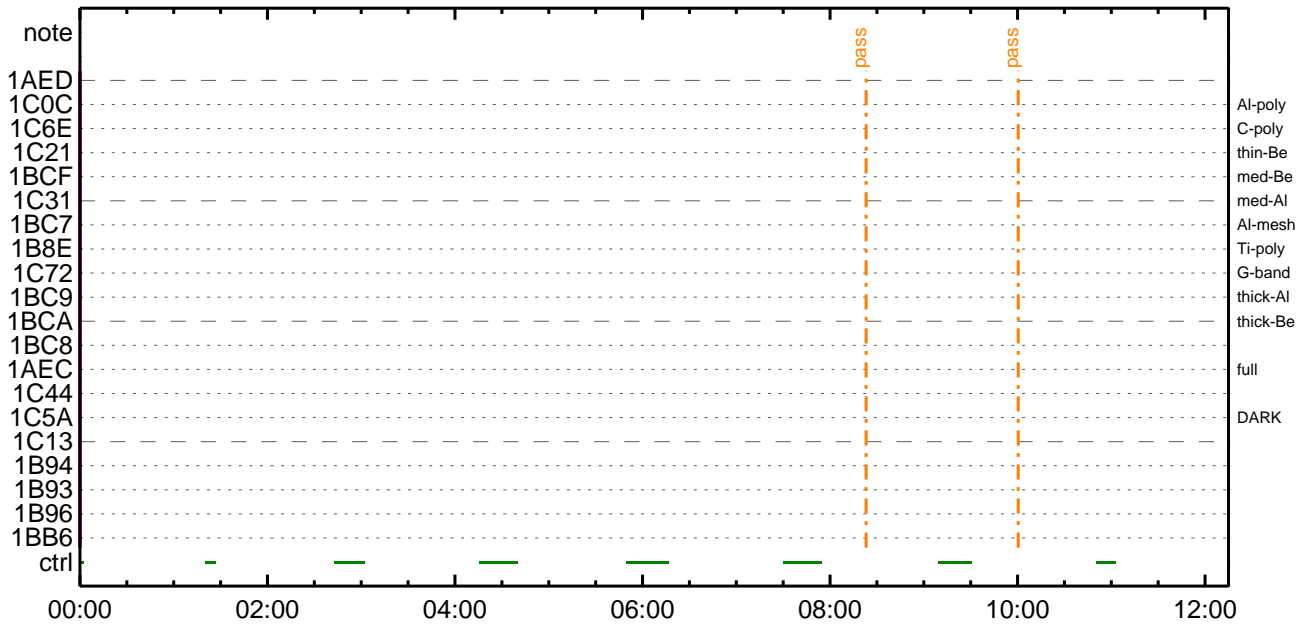
CMDI #0786 2020/02/25



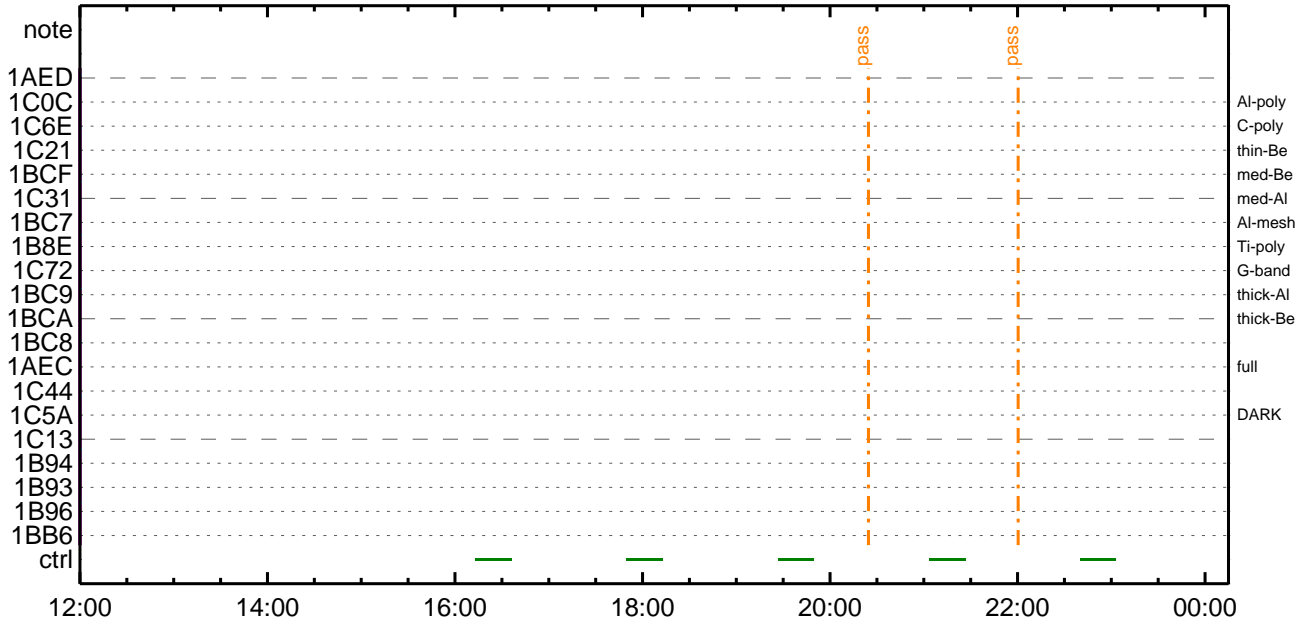
CMDI #0786 2020/02/25



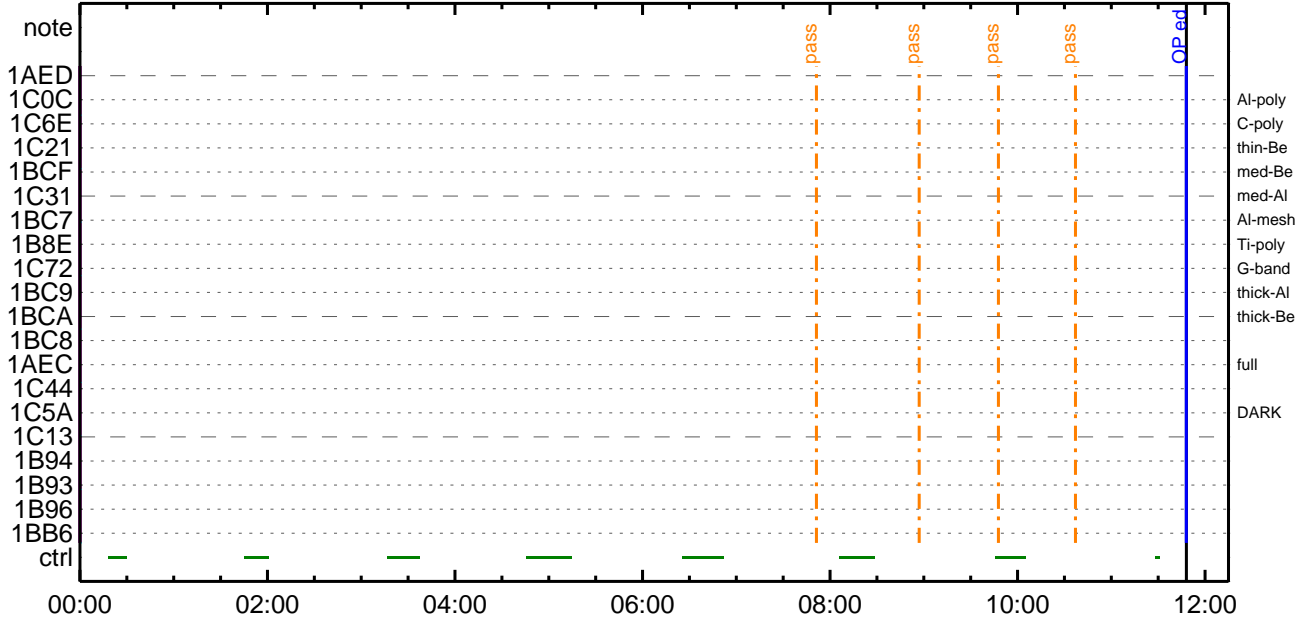
CMDI #0786 2020/02/26



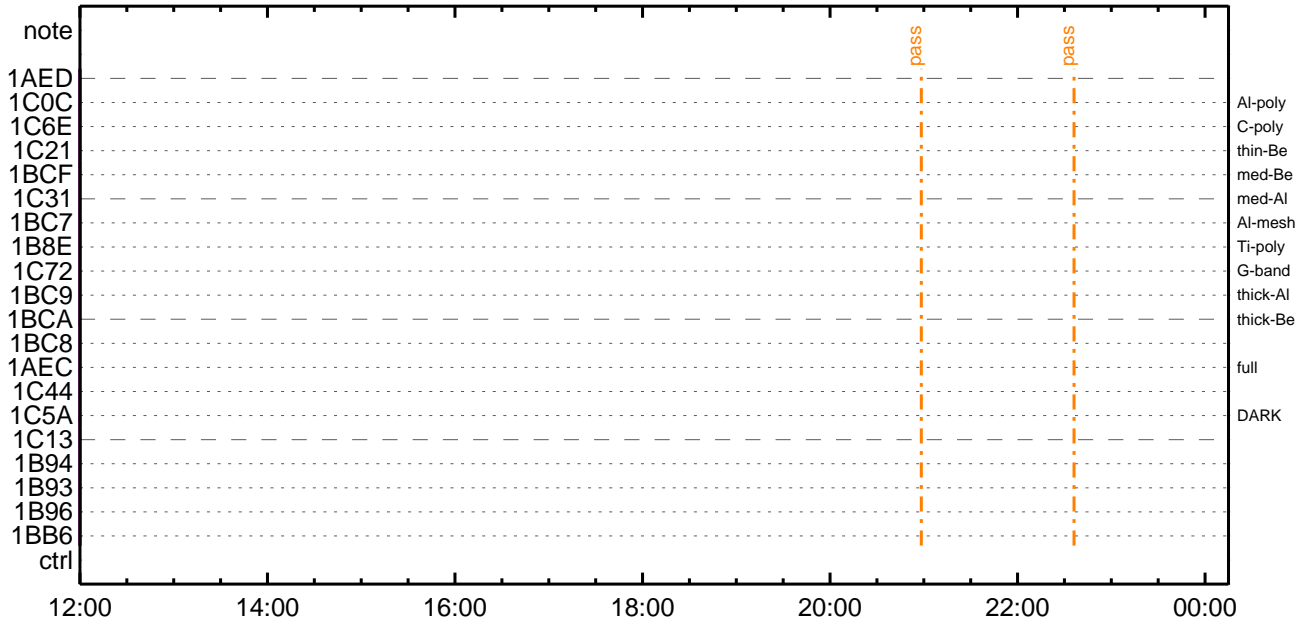
CMDI #0786 2020/02/26



CMDI #0786 2020/02/27



CMDI #0786 2020/02/27




```
0096 C.                0100; SET 0EDUMP 01A±0iYÑY¹0Ç¹00|0³0E;E
0097 C.
0098 C. TIY³YF¥6YÉ00dÁDİ¿(UT)
0099 +. TI 2020-02-22 10:27:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2020-02-22 10:27:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2020-02-22 10:27:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2020-02-22 10:31:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C. 0E²¼0İÄê%îÍÑ0İYÁY§YÁY-¹àİÜ
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. TIİİ°èYÀYÓY×
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. YÀYÓY×½¹İ»0d³İÇ§
0142 C.                ÇÇ[HK1_DMP_CHK_FLG]                EQ        NON
0143 C.
0144 C. RAM ID=TI_TBL0İ%È¹Ç•è²İOK0d³İÇ§
0145 C.
0146 C. DHU¥â;¼YÉ;È¼Y¼,¥İ;¼YÈ;È0dİá0¹
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. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2020-02-22 10:31:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC (41)
0161 C. -----
0162 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2020-02-22 10:31:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2020-02-22 10:31:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 C.                [ ] [HK1_TI_CMD_NUM]                EQ        2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2020-02-22 10:31:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC (c3)
0187 C.                [ ] [HK1_TI_CMD_NUM]                EQ        1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 C. ***** MDP ¼Äİ0İ»ö¼Y0ÈÄ0¹0èDCBC•×²è *****
0192 C. (¼Ä0İY0YÀYÉY¥YáYçYè0È¼00¼Ä»Ü0¹0é)
0193 C. DC-BC dcbc-402:DCBC
```

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


(a) Spacecraft Operation Procedure (real-commands)

```
main-633 2020-02-22 11:40:52 130 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ä
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿òÀø•µ°È»Í×ÁÇóíYçYÁY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøí;çÀ®, ùø¹øèøøøçÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG ____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 06 80 80 08 08)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 07 80 80 20 20)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 08 85 83 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 09 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 0a 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0b 85 83 08 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0f 80 80 06 06)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 10 80 80 08 08)
0056 + DC 07-F0 MDP_XRT_FLD_ENA
0057 BC (d8)
0058 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0059 BC (c8)
0060 + DC 07-F0 MDP_XRT_ARS_DIS
0061 BC (d5)
0062 + DC 07-F0 MDP_XRT_AEC_RESET
0063 BC (d0)
0064 + DC 07-F0 MDP_XRT_FLD_RESET
0065 BC (da)
0066 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0067 BC (c4 01)
0068 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0069 BC (c5 0d)
0070 . C. ----- Success Verify ? OK / NG ____
0071 C.
0072 C.
0073 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0074 C.
0075 +. DC 07-F0 MDP_XRT_MODE_OBSV
0076 BC (c2)
0077 +. TI 2020-02-22 10:31:02.0
0078 DC 07-F0 MDP_XRT_MODE_OBSV
0079 BC (c2)
0080 . C. ----- Success Verify ? OK / NG ____
0081 C.
0082 C. ***** XRT END *****
0083 . C. *****
0084 C. SOT table upload
0085 C. *****
0086 . C. < Stop SP table >
0087 +. DC 07-F0 MDP_SP_CTRL_MANU
0088 BC (61)
0089 C. -----
0090 C. MDP_SP_CTRL_MODE = MANU [ ]
0091 C. -----
0092 C.
0093 . C. <Upload SP Observation Table>
0094 . S. RAM ram-282:MDP_OBS_S
0095 ( )
```

```
0096 C.
0097 . C. < Dump RAMID=MDP_OBS_S >
0098 +. DC 07-F0 MDP_DUMP_SPTBL
0099 BC (83 07 00 00 00 38 b8)
0100 C. -----
0101 C. MDP_OBS_S verify = OK/NG [ ]
0102 C. -----
0103 C.
0104 C. *****
0105 C. SOT TI command set
0106 C. *****
0107 C. Execute, after the success of TBL upload.
0108 +. TI 2020-02-22 10:31:18.0
0109 DC 07-F0 MDP_SOT_MODE_OBSV
0110 BC (40)
0111 . C. -----
0112 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0113 C. -----
0114 C.
0115 C.
0116 . C. ***** MDP 'úÃîâî»ö¼ÝðÊÂð¹æDCBC•x²è *****
0117 C. (¼â°îÿÓÿÄÿËÿÏÿËÿáÿçÿèæ¼¼¼¼¼»Û¹æè)
0118 . S. DC-BC dcbc-402:DCBC
0119 (MDP_known_event)
0120 C.
0121 C.
0122 . C. ***** ÿDÿ¹•Ï Daily±¿ÎÑæ´Ø¹æDCBC•x²è *****
0123 . S. DC-BC dcbc-153:DCBC
0124 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0125 C.
0126 C.
0127 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ä
0128 C.
0129 . C. ***** LOS *****
0130 C.
```

*** OP Sequence for XRT ***

```

2020/02/22 10:41:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 10:41:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 10:41:58.0 XRT_FOCUS_POSITION_410_OG [0x19a]
                        XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2020/02/22 10:42:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM 5 02-76 00 55 3f 01 f3
2020/02/22 10:42:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2020/02/22 10:42:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2020/02/22 10:42:22.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2020/02/22 10:42:24.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/02/22 10:42:26.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/02/22 10:44:56.0 XRT_QT_PROG_SET_414_OG [0x19e]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 03
2020/02/22 10:44:58.0 XRT_FL_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2020/02/22 10:45:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/02/22 15:32:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 15:32:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 15:32:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/02/22 15:32:36.0 XRT_PREFLR_STRT_435_OG [0x1b3]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/02/22 15:35:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/02/22 15:44:00.0 XRT_Custom_430_OG [0x1ae]
2020/02/22 15:45:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/02/22 17:07:30.0 XRT_CTRL_MANU_400_OG [0x190]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 17:07:32.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 17:07:34.0 XRT_FLD_RESET_415_OG [0x19f]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/02/22 17:07:36.0 XRT_PREFLR_STRT_435_OG [0x1b3]
                        MDP_XRT_PREFLR_STRT 1 07-F0 e8
2020/02/22 17:10:44.0 XRT_PREFLR_STOP_419_OG [0x1a3]
                        MDP_XRT_PREFLR_STOP 1 07-F0 e9
2020/02/22 17:31:00.0 XRT_Custom_430_OG [0x1ae]
2020/02/22 17:32:00.0 XRT_CTRL_AUTO_424_OG [0x1a8]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/02/22 18:01:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 18:01:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 18:01:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/02/22 18:01:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM 5 02-76 00 00 00 00 00
2020/02/22 18:01:48.0 XRT_FLD_DIS_409_OG [0x199]
                        MDP_XRT_FLD_DIS 1 07-F0 d9
2020/02/22 18:01:50.0 XRT_FLRCTRL_DIS_413_OG [0x19d]
                        MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2020/02/22 18:01:52.0 XRT_ARS_DIS_443_OG [0x1bb]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/02/22 18:04:28.0 XRT_QT_PROG_SET_420_OG [0x1a4]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 13
2020/02/22 18:04:30.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO 1 07-F0 c0
2020/02/22 18:11:24.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 18:11:26.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU 1 07-F0 c1
2020/02/22 18:11:28.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00
2020/02/22 18:11:30.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM 5 02-76 03 03 74 01 f3
2020/02/22 18:11:48.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA 1 07-F0 d8
2020/02/22 18:11:50.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA 1 07-F0 c8
2020/02/22 18:11:52.0 XRT_AEC_RESET_448_OG [0x1c0]
                        MDP_XRT_AEC_RESET 1 07-F0 d0
2020/02/22 18:11:54.0 XRT_ARS_DIS_423_OG [0x1a7]
                        MDP_XRT_ARS_DIS 1 07-F0 d5
2020/02/22 18:11:56.0 XRT_FLD_RESET_434_OG [0x1b2]
                        MDP_XRT_FLD_RESET 1 07-F0 da
2020/02/22 18:14:26.0 XRT_QT_PROG_SET_441_OG [0x1b9]
                        MDP_XRT_QT_PROG_SET 2 07-F0 c4 10
2020/02/22 18:14:28.0 XRT_FL_PROG_SET_440_OG [0x1b8]
                        MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2020/02/22 18:14:30.0 XRT_CTRL_AUTO_408_OG [0x198]

```

2020/02/22	18:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	18:44:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	18:44:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/22	18:44:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/22	18:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/22	19:07:30.0	XRT_Custom_430_OG [0x1ae]				
2020/02/22	19:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/22	20:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	20:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	20:21:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/22	20:21:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/22	20:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/22	20:44:30.0	XRT_Custom_430_OG [0x1ae]				
2020/02/22	20:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/22	21:58:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	21:58:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	21:58:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/22	21:58:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/22	22:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/22	22:21:30.0	XRT_Custom_430_OG [0x1ae]				
2020/02/22	22:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/22	23:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	23:36:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/22	23:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/22	23:36:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/22	23:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/22	23:56:00.0	XRT_Custom_430_OG [0x1ae]				
2020/02/22	23:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	01:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	01:13:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	01:13:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	01:13:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	01:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	01:20:00.0	XRT_Custom_430_OG [0x1ae]				
2020/02/23	01:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/02/23	02:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2020/02/23	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2020/02/23	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/02/23	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2020/02/23	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/02/23	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	02:02:56.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2020/02/23	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/02/23	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	02:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	02:36:02.0	XRT_CTRL_MANU_402_OG [0x192]				

2020/02/23	02:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
			MDP_XRT_FLD_RESET	1	07-F0	da		
2020/02/23	02:36:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2020/02/23	02:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2020/02/23	02:55:30.0	XRT_Custom_430_OG [0x1ae]						
2020/02/23	02:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	04:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	04:10:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	04:10:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2020/02/23	04:10:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2020/02/23	04:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2020/02/23	04:32:30.0	XRT_Custom_430_OG [0x1ae]						
2020/02/23	04:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	05:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	05:42:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	05:42:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2020/02/23	05:42:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2020/02/23	05:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2020/02/23	06:10:00.0	XRT_Custom_430_OG [0x1ae]						
2020/02/23	06:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	06:19:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	06:19:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	06:19:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2020/02/23	06:19:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2020/02/23	06:19:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2020/02/23	06:19:52.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2020/02/23	06:22:28.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 05		
2020/02/23	06:22:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	06:29:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	06:29:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	06:29:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2020/02/23	06:29:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04 03 74 01 f3		
2020/02/23	06:29:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2020/02/23	06:29:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2020/02/23	06:29:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2020/02/23	06:29:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2020/02/23	06:29:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2020/02/23	06:32:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10		
2020/02/23	06:32:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2020/02/23	06:32:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	07:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	07:22:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	07:22:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2020/02/23	07:22:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2020/02/23	07:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2020/02/23	07:47:00.0	XRT_Custom_430_OG [0x1ae]						
2020/02/23	07:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2020/02/23	09:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2020/02/23	09:02:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		

2020/02/23	09:02:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	09:02:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	09:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	09:24:00.0	XRT_Custom_430_OG [0x1ae]				
2020/02/23	09:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	10:43:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	10:43:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	10:43:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	10:43:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	10:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	10:56:30.0	XRT_Custom_430_OG [0x1ae]				
2020/02/23	10:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	16:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	16:06:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	16:06:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	16:06:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	16:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	16:20:00.0	XRT_Custom_430_OG [0x1ae]				
2020/02/23	16:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	16:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	16:22:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	16:22:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	16:22:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	16:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	16:29:00.0	XRT_Custom_430_OG [0x1ae]				
2020/02/23	16:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	17:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	17:42:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	17:42:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/02/23	17:42:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/02/23	17:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/02/23	18:05:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	18:05:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	18:05:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/02/23	18:05:30.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2020/02/23	18:05:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2020/02/23	18:05:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2020/02/23	18:05:52.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/02/23	18:08:28.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2020/02/23	18:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/02/23	18:15:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	18:15:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/02/23	18:15:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/02/23	18:15:30.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04 03 74 01 f3
2020/02/23	18:15:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2020/02/23	18:15:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/02/23	18:15:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2020/02/23	18:15:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/02/23	18:15:56.0	XRT_FLD_RESET_434_OG [0x1b2]				

2020/02/23	18:18:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_FLD_RESET	1	07-F0	da	
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	10
2020/02/23	18:18:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/02/23	18:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/23	19:19:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	19:19:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	19:19:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/23	19:19:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/23	19:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/23	19:42:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/23	19:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/23	20:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	20:56:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	20:56:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/23	20:56:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/23	20:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/23	21:19:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/23	21:20:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/23	22:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	22:33:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/23	22:33:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/23	22:33:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/23	22:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/23	22:55:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/23	22:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	00:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	00:10:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	00:10:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	00:10:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	00:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	00:23:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	00:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	01:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	01:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	01:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	01:39:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	01:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	01:54:00.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	01:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2020/02/24	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2020/02/24	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/02/24	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/02/24	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/02/24	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/02/24	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	02:02:56.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2020/02/24	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]					

2020/02/24	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	03:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	03:09:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	03:09:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	03:09:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	03:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	03:30:00.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	03:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	04:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	04:37:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	04:37:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	04:37:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	04:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	05:07:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	05:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	05:50:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	05:50:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	05:50:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2020/02/24	05:51:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2020/02/24	05:51:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2020/02/24	05:51:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/02/24	05:53:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2020/02/24	05:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	06:00:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	06:00:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	06:00:58.0	XRT_FOCUS_RECALIBRATE_427_OG [0x1ab]	XRT_FOCUS_RECAL	2	07-F8	78 00	
2020/02/24	06:01:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04 03 74 01 f3	
2020/02/24	06:04:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2020/02/24	06:05:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/02/24	06:05:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/02/24	06:05:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/02/24	06:05:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/02/24	06:05:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	06:07:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2020/02/24	06:07:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2020/02/24	06:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	06:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	06:18:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	06:18:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	06:18:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	06:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	06:45:00.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	06:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/24	07:58:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	07:58:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/24	07:58:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	07:58:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	08:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					

2020/02/24	08:22:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	08:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
2020/02/24	09:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	09:38:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	09:38:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	09:38:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	09:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	09:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	09:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	10:00:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2020/02/24	10:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00			
2020/02/24	10:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/02/24	10:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/02/24	10:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/02/24	10:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/02/24	10:02:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	10:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2020/02/24	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2020/02/24	11:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	11:20:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	11:20:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	11:20:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	11:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	11:25:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	11:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
2020/02/24	12:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	12:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	12:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	13:00:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2020/02/24	13:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 00 00 00 00			
2020/02/24	13:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/02/24	13:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/02/24	13:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/02/24	13:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/02/24	13:02:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	13:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2020/02/24	13:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2020/02/24	15:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	15:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	15:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	15:06:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	15:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	15:15:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	15:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
2020/02/24	15:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	15:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	15:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1			

2020/02/24	16:00:00.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	00	00	00
2020/02/24	16:00:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2020/02/24	16:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2020/02/24	16:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/02/24	16:02:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13		
2020/02/24	16:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	16:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	16:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	16:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2020/02/24	16:10:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	04	03	74	01
2020/02/24	16:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2020/02/24	16:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2020/02/24	16:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2020/02/24	16:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2020/02/24	16:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	16:12:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10		
2020/02/24	16:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2020/02/24	16:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	16:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	16:40:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	16:40:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	16:40:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	16:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	17:03:30.0	XRT_Custom_430_OG [0x1ae]	XRT_Custom_430_OG [0x1ae]						
2020/02/24	17:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	18:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	18:17:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	18:17:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	18:17:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	18:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	18:40:30.0	XRT_Custom_430_OG [0x1ae]	XRT_Custom_430_OG [0x1ae]						
2020/02/24	18:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	19:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	19:53:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	19:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	19:53:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	19:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	20:17:00.0	XRT_Custom_430_OG [0x1ae]	XRT_Custom_430_OG [0x1ae]						
2020/02/24	20:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	21:31:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	21:31:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	21:31:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2020/02/24	21:31:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2020/02/24	21:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2020/02/24	21:54:00.0	XRT_Custom_430_OG [0x1ae]	XRT_Custom_430_OG [0x1ae]						
2020/02/24	21:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2020/02/24	23:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2020/02/24	23:08:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			

2020/02/24	23:08:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/24	23:08:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/24	23:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/24	23:29:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/24	23:30:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	00:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	00:45:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	00:45:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/25	00:45:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/25	00:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/25	00:54:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/25	00:55:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2020/02/25	02:00:00.0	AOCS_Or-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2020/02/25	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/02/25	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/02/25	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/02/25	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/02/25	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/25	02:02:56.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2020/02/25	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2020/02/25	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	02:10:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	02:10:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	02:10:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/25	02:10:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/25	02:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/25	02:28:00.0	XRT_Custom_430_OG [0x1ae]					
2020/02/25	02:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	03:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	03:44:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	03:44:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/25	03:44:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/25	03:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/25	04:05:00.0	XRT_Custom_430_OG [0x1ae]					
2020/02/25	04:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	05:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	05:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	05:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/02/25	05:13:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/02/25	05:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/02/25	05:42:30.0	XRT_Custom_430_OG [0x1ae]					
2020/02/25	05:43:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/02/25	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/02/25	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2020/02/25	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	

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2020/02/25	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2020/02/25	06:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2020/02/25	06:02:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2020/02/25	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/02/25	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	06:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2020/02/25	06:10:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	04	03	74	01	f3
2020/02/25	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2020/02/25	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2020/02/25	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2020/02/25	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2020/02/25	06:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/02/25	06:12:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	10			
2020/02/25	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2020/02/25	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/02/25	06:54:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	06:54:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	06:54:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/02/25	06:54:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/02/25	06:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/02/25	07:19:30.5	XRT_Custom_430_OG [0x1ae]							
2020/02/25	07:20:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/02/25	08:34:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	08:34:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	08:34:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2020/02/25	08:34:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2020/02/25	08:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2020/02/25	08:56:30.0	XRT_Custom_430_OG [0x1ae]							
2020/02/25	08:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2020/02/25	09:24:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2020/02/25	10:16:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00