

XRT Timeline to be uploaded on 2018/10/13

Period: 2018/10/13 10:33:00 - 2018/10/18 11:19:00

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Normal mode

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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
10/13 10:46:00 - 10/13 19:51:00	Track (1.6, -14.2) @ 10/13 10:43:00	# OP start + 10min EIS sensitivity monitoring test
10/14 01:03:00 - 10/14 02:59:54	Fixed (-935.0, -160.0)	EIS Spectral Atlas

PROG= 03 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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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
10/13 20:18:00 - 10/13 20:24:54	Fixed (0.0, 0.0)	Synoptic, shifted manually.
10/14 06:03:00 - 10/14 06:09:54	Fixed (0.0, 0.0)	synoptic
10/14 18:09:30 - 10/14 18:16:24	Fixed (0.0, 0.0)	synoptic, shifted 6.5 min
10/15 06:27:30 - 10/15 06:34:24	Fixed (0.0, 0.0)	synoptic, shifted 24.5 min
10/15 18:13:30 - 10/15 18:20:24	Fixed (0.0, 0.0)	synoptic, shifted 10.5 min

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= 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
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XOB #1BBA: 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
10/13 20:28:00 - 10/14 00:59:54	Track (-761.2, -245.3) @ 10/13 20:25:00	AR Obs included HOP307
10/14 06:13:00 - 10/14 08:32:00	Track (-705.6, -252.3) @ 10/14 06:10:00	AR obs. included HOP307
10/14 16:03:00 - 10/14 18:06:24	Track (-643.1, -258.7) @ 10/14 16:00:00	AR Obs.
10/14 18:23:30 - 10/14 22:59:54	Track (-627.8, -260.1) @ 10/14 18:16:30	AR obs. included HOP307
10/15 06:37:30 - 10/15 17:47:00	Track (-539.9, -266.8) @ 10/15 06:34:30	AR obs. include HOP307
10/15 18:23:30 - 10/16 02:59:54	Track (-448.6, -272.2) @ 10/15 18:20:30	AR obs. include HOP307
10/16 06:09:30 - 10/16 09:43:30	Track (-351.4, -276.4) @ 10/16 06:06:30	AR obs.

PROG= 09 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec											
	Seqn= 92	1-time(s)	2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Subr= 2	5-time(s)	2.0sec										
	Seqn= 75	1-time(s)	2.0sec										
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	2	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Seqn= 96	4-time(s)	120.0sec										

Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	1	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	1	2	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1C00: HOP349 - 3-filter Synoptics (Al-mesh[512/2048/4096], Al-poly[512/4096/8192], thin-Be[3897/16384/32768] with 512x512 G-band+Leak - 90 min cadence)

Term	Pointing (x, y)	Comment
10/14 03:03:00 - 10/14 05:59:54	Fixed (0.0, 0.0)	HOP349 XRT Full Sun
10/16 03:03:00 - 10/16 05:56:24	Fixed (0.0, 0.0)	HOP349 XRT Full Sun

PROG= 04 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= 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	18-time(s)	300.0sec										
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 #1BE9: HOP81/206 2-filter - Al/poly 16s, Al/mesh 12s 30s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
10/14 09:03:00 - 10/14 15:57:00	Fixed (-20.0, -954.0)	HOP81 South

PROG= 05 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= 39	1-time(s)	30.0sec										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	11.3s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	16.0s	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 #1BA1: HOP336 1-filter - Al/poly -384x384, 512ms and 4s, 60s-cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
10/14 23:03:00 - 10/15 02:29:54	Track (-28.5, 504.0) @ 10/14 23:00:00	HOP336 North
10/15 03:01:00 - 10/15 06:24:24	Track (-26.7, -783.9) @ 10/15 02:40:00	HOP336 South

PROG= 08 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec										
Seqn= 16	2-time(s)	2.0sec										
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Subr= 2	1-time(s)	2.0sec										
Seqn= 90	1-time(s)	30.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Subr= 3	15-time(s)	2.0sec										
Seqn= 68	1-time(s)	60.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BD8: Synoptic 7 Filter w/ Al-mesh(64/512/2897), Al-poly(45/512/4096), Thin-Be(1024/11571/23142) - Thick-Be(65536), Al-poly+Ti-poly(512/8192), Med

Term	Pointing (x, y)	Comment
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10/15 02:33:00 - 10/15 02:39:54 Fixed (0.0, 0.0) 10 mins Synoptic for HOP349
 10/16 05:59:30 - 10/16 06:06:24 Fixed (0.0, 0.0) synoptic, shifted -3.5 min

PROG= 18 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 5 1-time(s) 2.0sec												
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
Seqn= 36 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	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	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 99 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 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= 25 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	

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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
10/13 10:46:00 - 10/13 19:51:00	Track (1.6, -14.2) @ 10/13 10:43:00	# OP start + 10min EIS sensitivity monitoring test
10/13 20:28:00 - 10/14 00:59:54	Track (-761.2, -245.3) @ 10/13 20:25:00	AR Obs included HOP307
10/14 01:03:00 - 10/14 02:59:54	Fixed (-935.0, -160.0)	EIS Spectral Atlas
10/14 03:03:00 - 10/14 05:59:54	Fixed (0.0, 0.0)	HOP349 XRT Full Sun
10/14 06:13:00 - 10/14 08:32:00	Track (-705.6, -252.3) @ 10/14 06:10:00	AR obs. included HOP307
10/14 09:03:00 - 10/14 15:57:00	Fixed (-20.0, -954.0)	HOP81 South
10/14 16:03:00 - 10/14 18:06:24	Track (-643.1, -258.7) @ 10/14 16:00:00	AR Obs.
10/14 18:23:30 - 10/14 22:59:54	Track (-627.8, -260.1) @ 10/14 18:16:30	AR obs. included HOP307
10/14 23:03:00 - 10/15 02:29:54	Track (-28.5, 504.0) @ 10/14 23:00:00	HOP336 North
10/15 03:01:00 - 10/15 06:24:24	Track (-26.7, -783.9) @ 10/15 02:40:00	HOP336 South
10/15 06:37:30 - 10/15 17:47:00	Track (-539.9, -266.8) @ 10/15 06:34:30	AR obs. include HOP307
10/15 18:23:30 - 10/16 02:59:54	Track (-448.6, -272.2) @ 10/15 18:20:30	AR obs. include HOP307
10/16 03:03:00 - 10/16 05:56:24	Fixed (0.0, 0.0)	HOP349 XRT Full Sun
10/16 06:09:30 - 10/16 09:43:30	Track (-351.4, -276.4) @ 10/16 06:06:30	AR 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	

* * * * *

Active Region Search

* * * * *

NOT USED

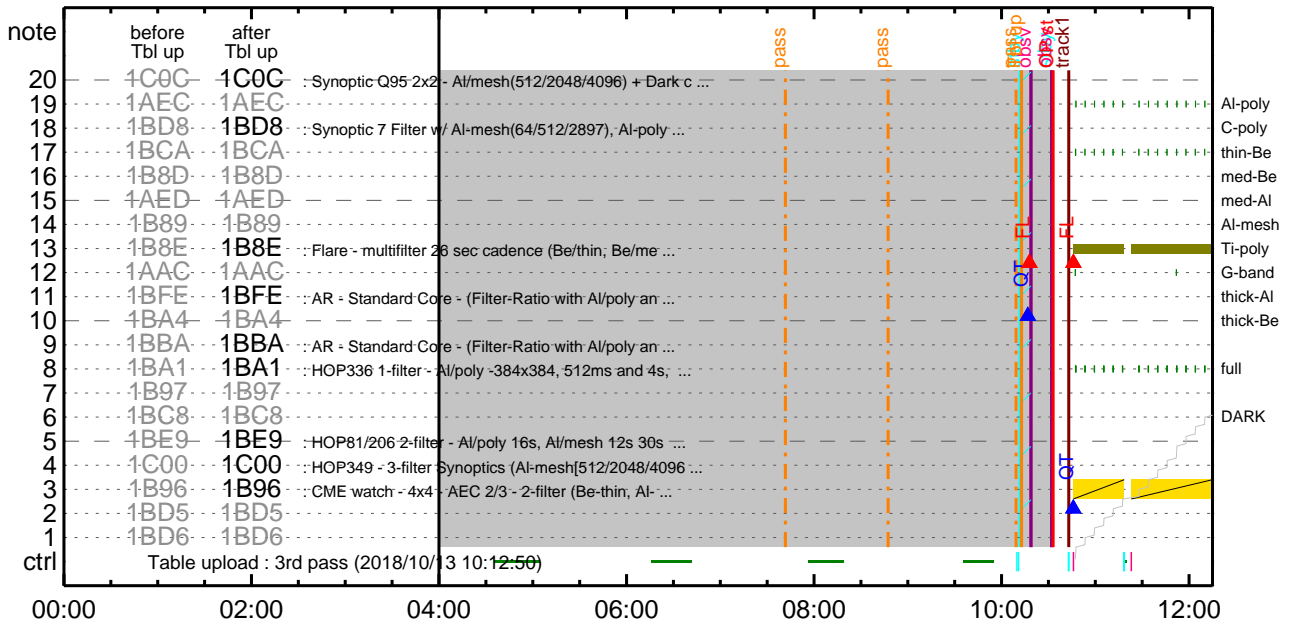
* * * * *

Flare Detection

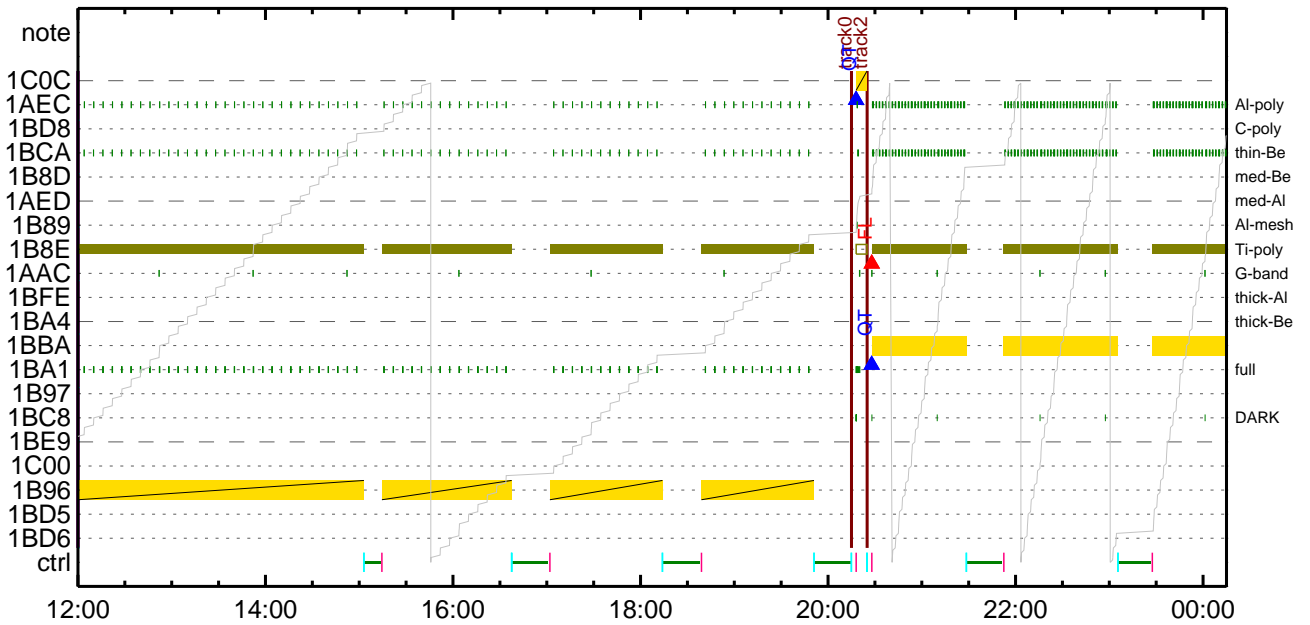
* * * * *

FLD Patrol											
Term		Pointing (x, y)				Comment					
10/13 20:25:18 - 10/14 06:00:18		Track (-761.2, -245.3) @ 10/13 20:25:00				AR Obs included HOP307					
10/14 06:10:18 - 10/14 18:06:48		Track (-705.6, -252.3) @ 10/14 06:10:00				AR obs. included HOP307					
10/14 18:20:48 - 10/15 02:30:18		Track (-627.8, -260.1) @ 10/14 18:16:30				AR obs. included HOP307					
10/15 02:40:18 - 10/15 06:24:48		Track (-26.7, -783.9) @ 10/15 02:40:00				HOP336 South					
10/15 06:34:48 - 10/15 18:10:48		Track (-539.9, -266.8) @ 10/15 06:34:30				AR obs. include HOP307					
10/15 18:20:48 - 10/16 05:56:48		Track (-448.6, -272.2) @ 10/15 18:20:30				AR obs. include HOP307					
10/16 06:06:48 - 10/18 11:19:00		Track (-351.4, -276.4) @ 10/16 06:06:30				AR 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

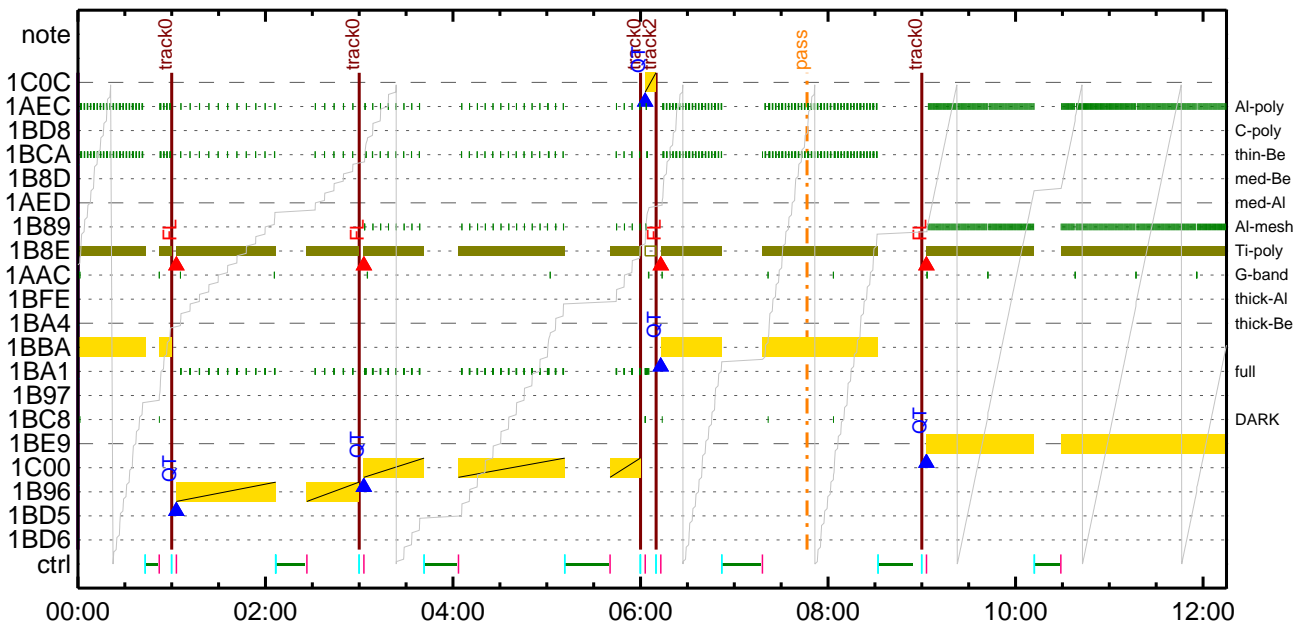
CMDI #0825 2018/10/13



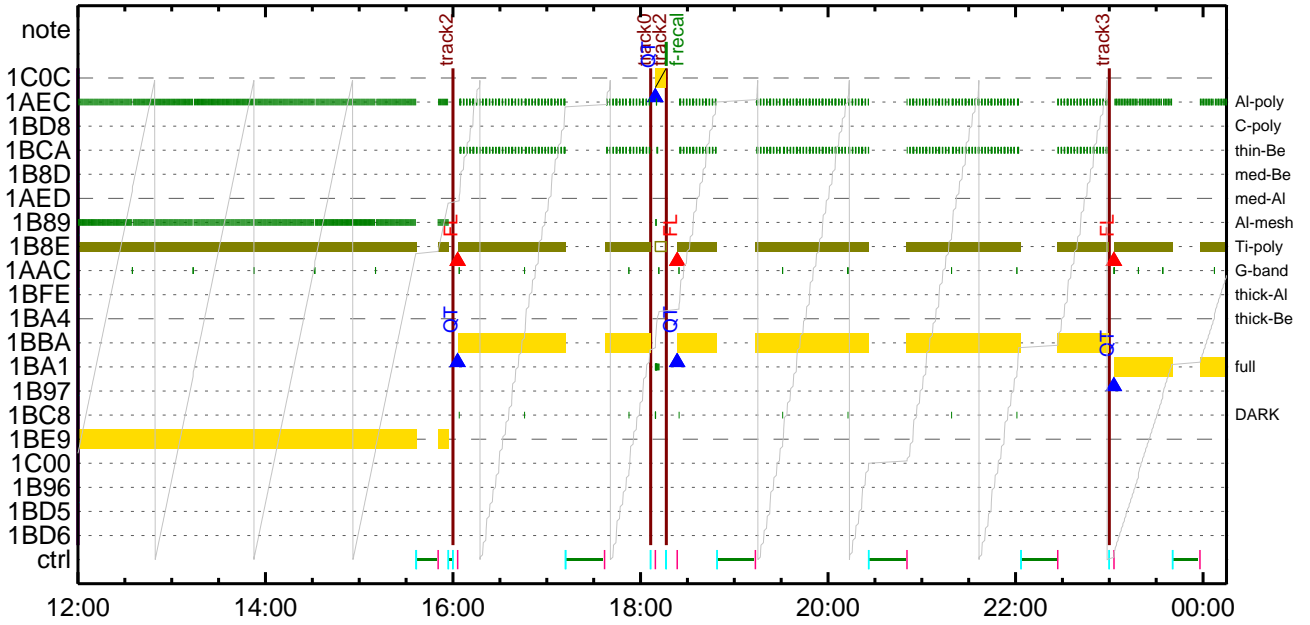
CMDI #0825 2018/10/13



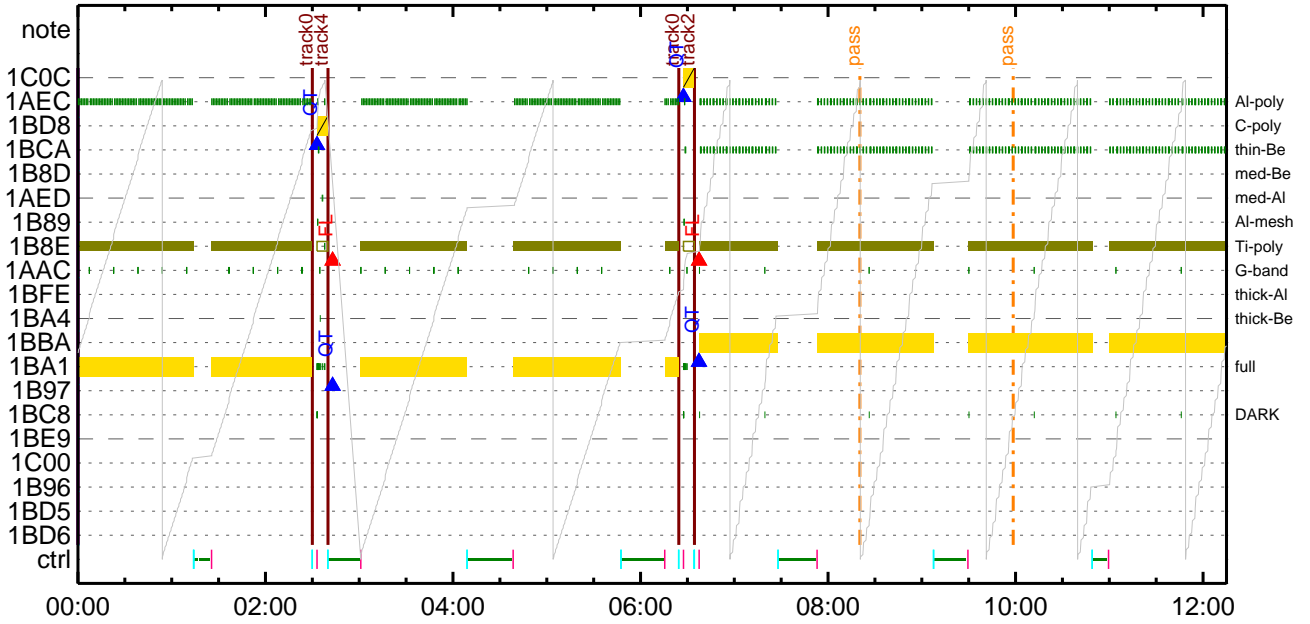
CMDI #0825 2018/10/14



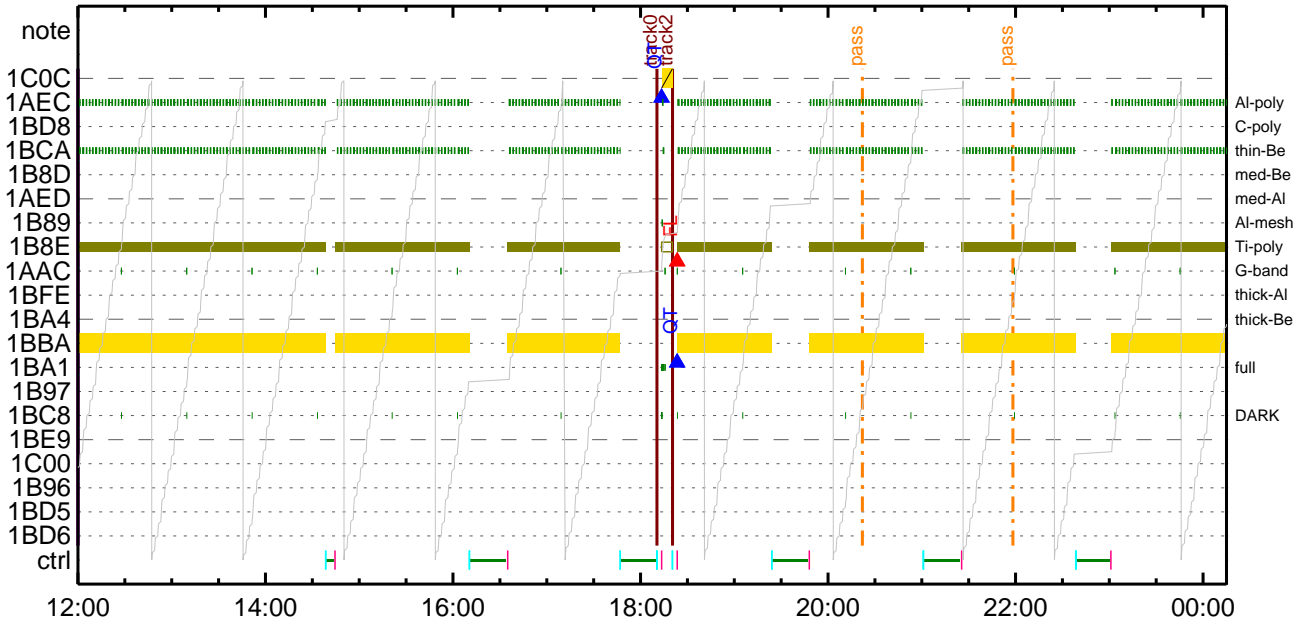
CMDI #0825 2018/10/14



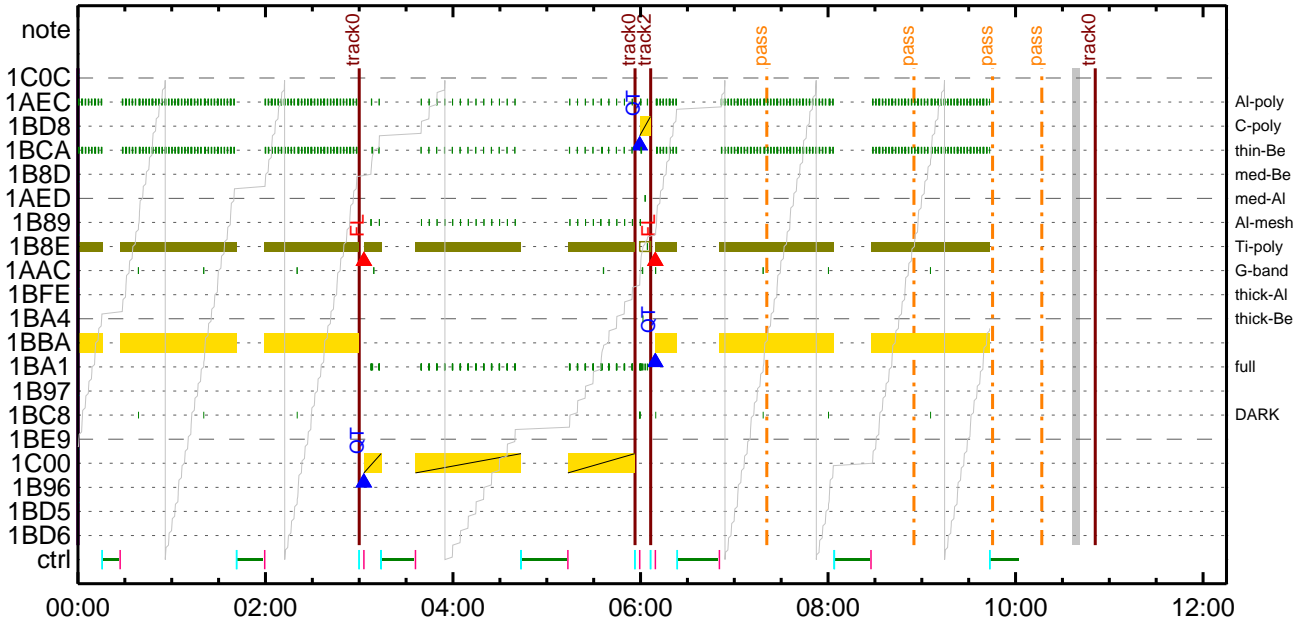
CMDI #0825 2018/10/15



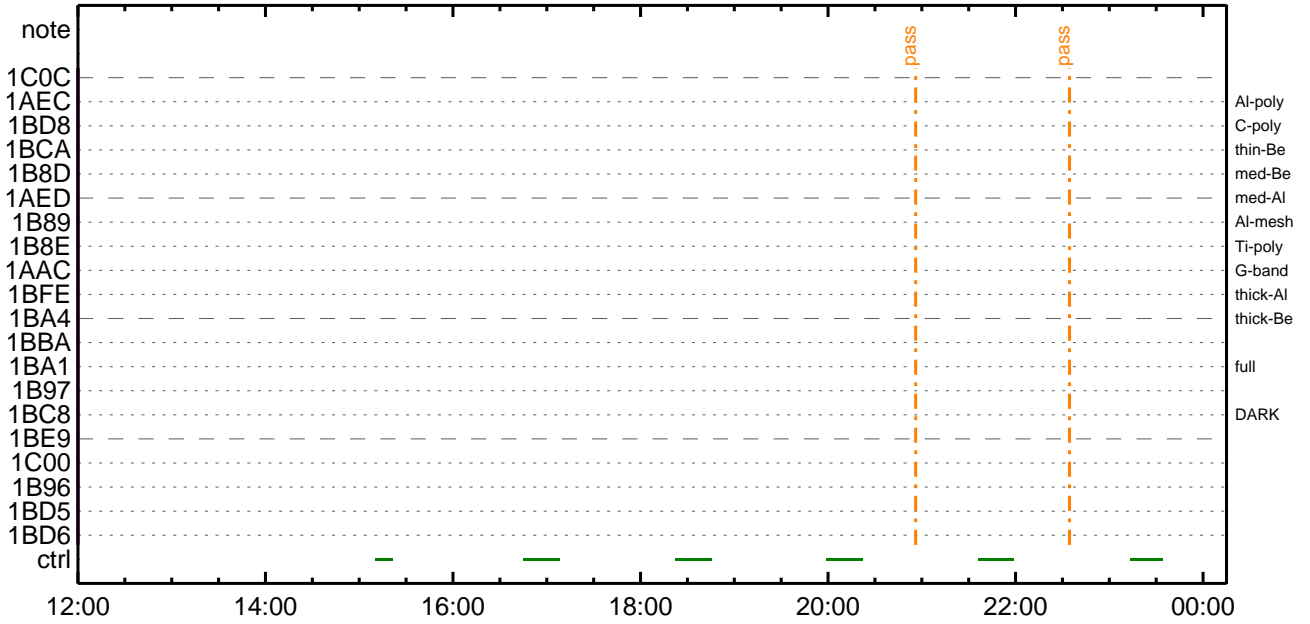
CMDI #0825 2018/10/15



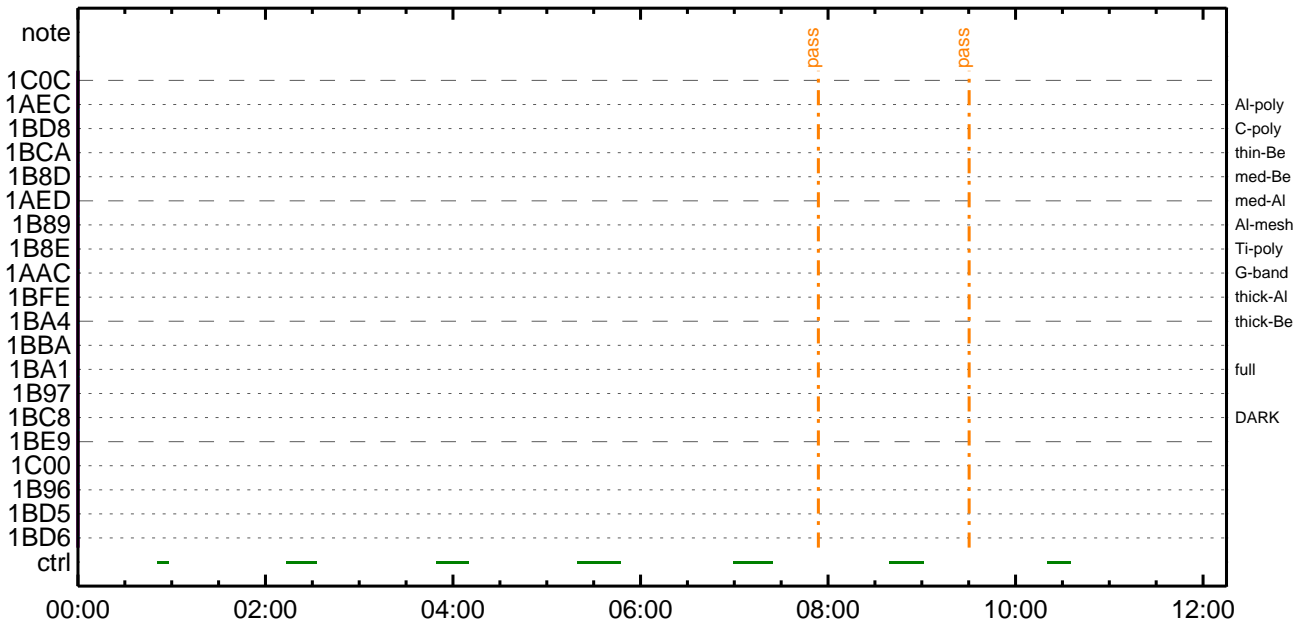
CMDI #0825 2018/10/16



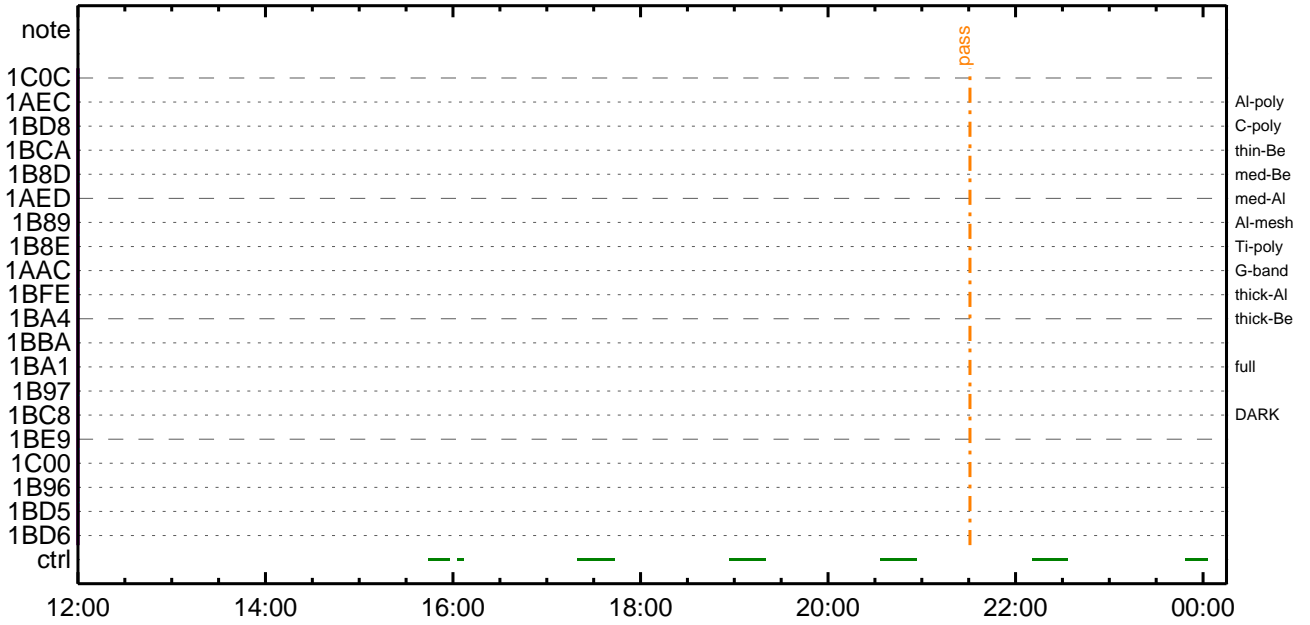
CMDI #0825 2018/10/16



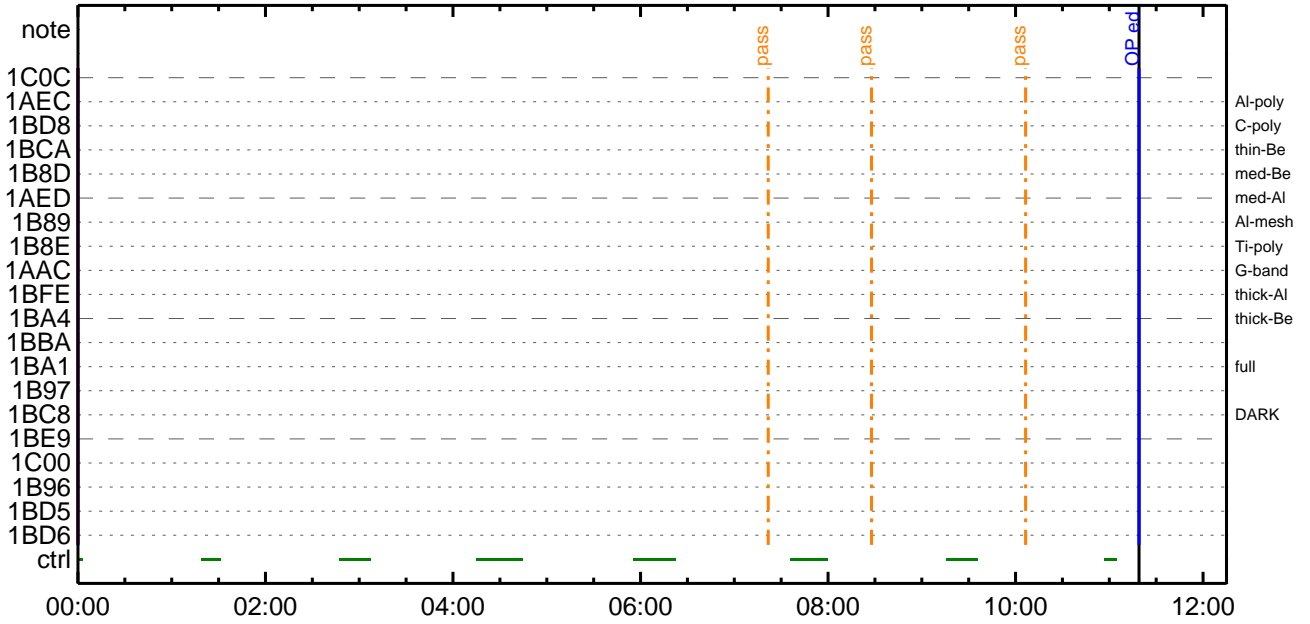
CMDI #0825 2018/10/17



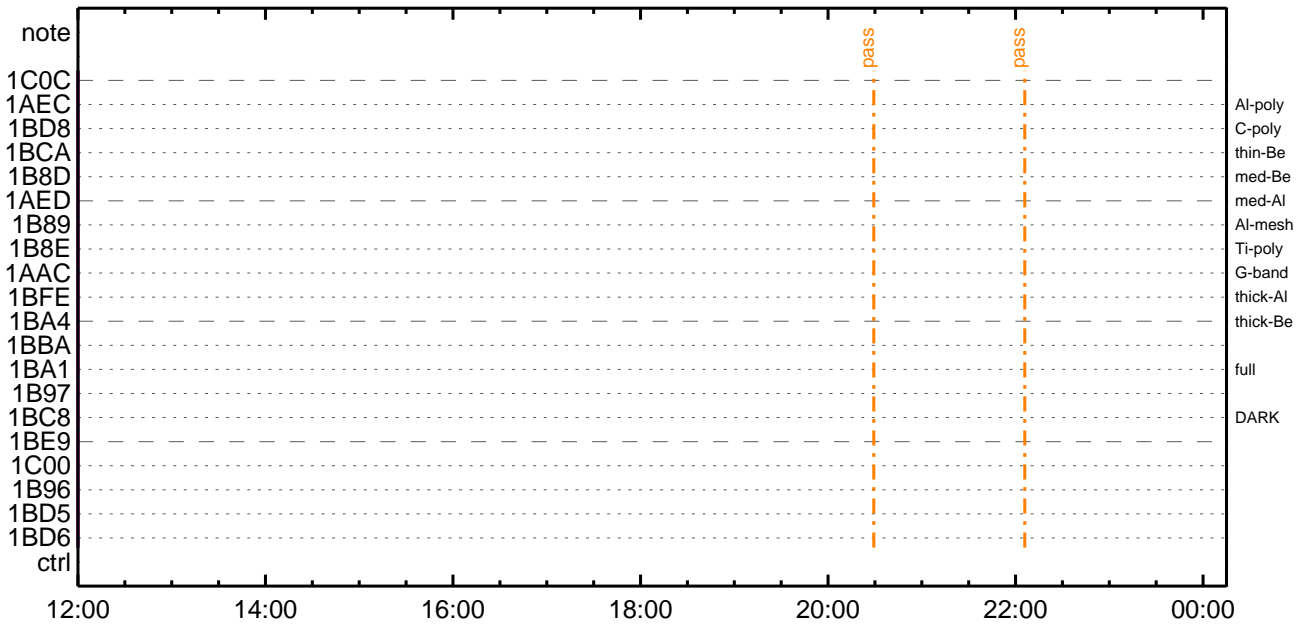
CMDI #0825 2018/10/17



CMDI #0825 2018/10/18



CMDI #0825 2018/10/18




```

0096 C.                0300; SET EDUMPA I A ± 0 i Y N Y 1 a C 1 0 a | a 3 0 E ; E
0097 C.
0098 C. TI Y 3 Y P Y 6 Y E 0 a d A D I j (UT)
0099 +. TI 2018-10-13 10:28:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0102 C.
0103 +. TI 2018-10-13 10:28:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0106 C.
0107 +. TI 2018-10-13 10:28:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0110 C.
0111 +. TI 2018-10-13 10:32:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]            EQ      1COUNTUP
0114 C.
0115 C. 0 E 2 % a I A Ê % i Í N a I Y A Y S Y A Y - 1 à i Ü
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. TI I I ° e Y A Y 6 Y x
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF; § 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                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. Y A Y 6 Y x % a I » a d 3 I Ç S
0142 C.                çç[HK1_DMP_CHK_FLG]         EQ      NON
0143 C.
0144 C. RAM ID=TI_TBL a I % Ê 1 Ç • ê 2 I O K a d 3 I Ç S
0145 C.
0146 C. DHU Y a ; % Y Ê ; Ê % Y % , Y i ; % Y Ê ; Ê a d I a a 1
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 2018-10-13 10:32:16.0
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 2018-10-13 10:32:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2018-10-13 10:32:40.0
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 2018-10-13 10:32:00.0
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 ´ ã Æ I » ö % Y 0 Ê A D a 1 a e DC BC • x 2 e *****
0192 C. (% Æ a ° i Y 6 Y A Y E Y P Y E Y a Y ç Y è a E % a a % A » Ü a 1 a e)
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. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ã
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-694 2018-10-13 12:25:51 169 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Ü;ã
0005 C.
0006 C. YÀYŞ;¼Y³YFÿóYÉÁ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ÈçðÁð•µ°È»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ÈÈÈ¼µ•íÉ;ÈÈÈ¼°ÇÓñ•ç¼l¹ççí;çÀ®, ùñ¹ñðñðçÁ+ç®ñ•ñÈñññ³ñÈ;ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ç®µ;ON
0016 C. *****
0017 C. ç" °ÈÀ, Í×ÈYñÀLOSñðççí»p´Öñð¹íí, ñ•; çÉÖÍ×ñÈXÁÓONñí¹ÖñÈñ¹ñÈñññ³ñÈ;ç
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 +. DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 +. DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDÿóYÉYÍYÁY-¾ÔÁÖñ-°ÁÀÈñ•çç; ç°È²¼çñ¹°ÈÀ, ¼È¼ççð¼Á¹Öñ¹ñÈ;ç
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÀ,
0033 C. *****
0034 C. ç" RESTART;ÈPT1;Èñ•ççç¼l¹ççí; ç°È²¼çñ¹°ÈÀ¹Öñ»ñ°; çDCBC-150çðçÈñà;ç
0035 C.
0036 . C. ;ãPT1°ÈÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 +. DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 +. DC 06-B3 DR_REP_START
0041 +. DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYóYÉYÈÁÛÁÔ;ÈÁ•Á°²óÈð;È, áñí°ÈÀ, °È³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 +. DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÀ, ñ-¼«È°Áà»ßñ•çç; á; ç°È²¼ççð¼Á¹Öñ¹ñÈ;ç
0055 C. YçYóYÉYÈÁÛÁÔñÁ•Á°²óÈðñ-¼áçç¼l¹ççí°í»ñ¹ñÈñðçÁÖñÁ;ç
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÀ,
0059 C. *****
0060 C. ç" RESTART;ÈPT2;Èñ•ççç¼l¹ççí; ç°È²¼ççñ¹°ÈÀ¹Öñ»ñ°; çDCBC-151çðçÈñà;ç
0061 C.
0062 . C. ;ãPT2°ÈÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 +. DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 +. DC 06-B3 DR_REP_START
0067 +. DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYóYÉYÈÁÛÁÔ;ÈÁ•Á°²óÈð;È, áñí°ÈÀ, °È³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 +. DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÀ, Áà»ß; çXÁ+ç®µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Áà»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 +. DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+ç®µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 +. DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-695 2018-10-13 12:25:51 130 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÄY`¼Ä»Ü;ä
0005 C.
0006 C. YÄYß;¼Y³YFÿÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ÁíËø¿òÄö•µ°È»Í×ÁÇóÍY¿Y×Yí;¼YÉ;ËÈ½µ•íÉ;ÈöÈ¼°ÇÖö•ö¿¼l¹çöÍ;çÄ®,ùö¹öèöÞöÇÁ+¿®ö•öÈööö³öÈ;ÿ
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019 BC (61)
0020 C. -----
0021 C. MDP_SP_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload SP Observation Table>
0025 . S. RAM ram-285:MDP_OBS_S
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030 BC (83 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_S verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2018-10-13 10:32:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 . C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 +. DC 07-F0 MDP_XRT_CTRL_MANU
0052 BC (c1)
0053 +. DC 07-F0 MDP_XRT_MODE_STBY
0054 BC (c3)
0055 . C. ----- Success Verify ? OK / NG_____
0056 C.
0057 C. XRT Obs. Table Upload
0058 . S. RAM ram-291:MDP_OBS_X
0059 ( )
0060 C.
0061 +. DC 07-F0 MDP_DUMP_XRTTBL
0062 BC (84 07 00 00 00 3a d4)
0063 . C. ----- Comparison Check ? OK / ERR _____
0064 C.
0065 C.
0066 +. DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 01 b1 b1 04 04)
0068 +. DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 02 b1 b1 08 08)
0070 +. DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 03 b1 b1 08 08)
0072 +. DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 04 b1 b1 06 06)
0074 +. DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 85 83 06 06)
0076 +. DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 08 08)
0078 +. DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 20)
0080 +. DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 20 08)
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 08 20)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0f 80 80 06 06)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 10 80 80 08 08)
0088 +. DC 07-F0 MDP_XRT_FLD_ENA
0089 BC (d8)
0090 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0091 BC (c8)
0092 +. DC 07-F0 MDP_XRT_ARS_DIS
0093 BC (d5)
0094 +. DC 07-F0 MDP_XRT_AEC_RESET
0095 BC (d0)
```

0096 + DC 07-F0 MDP_XRT_FLD_RESET
0097 BC (da)
0098 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0099 BC (c4 0b)
0100 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0101 BC (c5 0d)
0102 . C. ----- Success Verify ? OK / NG ____
0103 C.
0104 C.
0105 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0106 C.
0107 +. DC 07-F0 MDP_XRT_MODE_OBSV
0108 BC (c2)
0109 +. TI 2018-10-13 10:32:02.0
0110 DC 07-F0 MDP_XRT_MODE_OBSV
0111 BC (c2)
0112 . C. ----- Success Verify ? OK / NG ____
0113 C.
0114 C. ***** XRT END *****
0115 C.
0116 . C. ***** MDP 'úÃÎáÍ»ö¼ÝðÈÁĐα¹æDCBC•x²è *****
0117 C. (%ã°îÝÓÝÄÝÈÝÞÝÈÝÁÝÇÝÈαÊ¼αα¼Ä»Ûα¹æè)
0118 . S. DC-BC dcbc-402:DCBC
0119 (MDP_known_event)
0120 C.
0121 C.
0122 . C. ***** ÝDÝ¹•İ Daily±¿ÎÑæÉ´Øα¹æDCBC•x²è *****
0123 . S. DC-BC dcbc-153:DCBC
0124 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0125 C.
0126 C.
0127 . C. ;ãLOŠÝÁÝŠÝÄÝ¬¼Ä»Û;ã
0128 C.
0129 . C. ***** LOS *****
0130 C.

Oct 13, 18 12:25

XRT_OGLIST_0825.chk

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*** OP Sequence for XRT ***

2018/10/13	10:42:54.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	10:42:56.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	10:42:58.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/10/13	10:43:00.0	AOCS_Ore-point_Start_1_OG [0x097]				
		AOCU_NM	5	02-76	01 00 00 00 00	
2018/10/13	10:43:18.0	XRT_FLD_ENA_411_OG [0x19b]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/10/13	10:43:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]				
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/10/13	10:43:22.0	XRT_AEC_RESET_448_OG [0x1c0]				
		MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/10/13	10:43:24.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/10/13	10:43:26.0	XRT_FLD_RESET_432_OG [0x1b0]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	10:45:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2018/10/13	10:45:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]				
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/10/13	10:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/13	11:18:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	11:18:32.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	11:18:34.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	11:18:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/13	11:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/13	11:22:00.0	XRT_Custom_430_OG [0x1ae]				
2018/10/13	11:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/13	15:03:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	15:03:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	15:03:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	15:03:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/13	15:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/13	15:13:30.0	XRT_Custom_430_OG [0x1ae]				
2018/10/13	15:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/13	16:37:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	16:37:32.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	16:37:34.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	16:37:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/13	16:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/13	17:01:00.0	XRT_Custom_430_OG [0x1ae]				
2018/10/13	17:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/13	18:14:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	18:14:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	18:14:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	18:14:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/13	18:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/13	18:38:00.0	XRT_Custom_430_OG [0x1ae]				
2018/10/13	18:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/13	19:51:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	19:51:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	19:51:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/13	19:51:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/13	19:54:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/13	20:14:54.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	20:14:56.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/13	20:14:58.0	XRT_FOCUS_POSITION_406_OG [0x196]				

2018/10/13	20:15:00.0	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
2018/10/13	20:15:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2018/10/13	20:15:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2018/10/13	20:15:22.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/13	20:17:58.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	14		
2018/10/13	20:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/13	20:24:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	20:24:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	20:24:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2018/10/13	20:25:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	02	00	00	00
2018/10/13	20:25:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/10/13	20:25:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/10/13	20:25:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/10/13	20:25:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/13	20:25:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/13	20:27:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09		
2018/10/13	20:27:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2018/10/13	20:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/13	21:28:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	21:28:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	21:28:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/13	21:28:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/13	21:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/13	21:51:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/13	21:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/13	23:05:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	23:05:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/13	23:05:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/13	23:05:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/13	23:08:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/13	23:26:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/13	23:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	00:43:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	00:43:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	00:43:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	00:43:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	00:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	00:51:00.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	00:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	00:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	00:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	00:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2018/10/14	01:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	0e	35	53
2018/10/14	01:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/10/14	01:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/10/14	01:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/10/14	01:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/14	01:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]							

2018/10/14	01:02:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/14	01:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2018/10/14	01:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/10/14	02:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/14	02:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	02:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	02:06:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/14	02:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/14	02:25:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/14	02:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]							
2018/10/14	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_424_OG [0x1a8]							
2018/10/14	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/14	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	03:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_CTRL_MANU_402_OG [0x192]							
2018/10/14	03:00:18.0	XRT_FLD_ENA_407_OG [0x197]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/10/14	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	AOCS_Ore-point_Start_2_OG [0x098]							
2018/10/14	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	AOCU_NM	5	02-76	00	00	00	00	00
2018/10/14	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	XRT_FLRCTRL_ENA_412_OG [0x19c]							
2018/10/14	03:02:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/10/14	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/10/14	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/10/14	03:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_ARS_DIS_423_OG [0x1a7]							
2018/10/14	03:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/10/14	03:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	XRT_FLD_RESET_420_OG [0x1a4]							
2018/10/14	03:41:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/14	03:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_QT_PROG_SET_441_OG [0x1b9]							
2018/10/14	04:02:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	04			
2018/10/14	04:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_FL_PROG_SET_440_OG [0x1b8]							
2018/10/14	05:11:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/10/14	05:11:32.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_408_OG [0x198]							
2018/10/14	05:11:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/14	05:11:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	05:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_CTRL_MANU_402_OG [0x192]							
2018/10/14	05:39:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	05:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_FLD_RESET_415_OG [0x19f]							
2018/10/14	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/14	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_PREFLR_STRT_437_OG [0x1b5]							
2018/10/14	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/14	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/14	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]	XRT_Custom_430_OG [0x1ae]							
2018/10/14	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	XRT_CTRL_AUTO_424_OG [0x1a8]							
2018/10/14	06:00:22.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/14	06:02:58.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	XRT_CTRL_MANU_402_OG [0x192]							
2018/10/14	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/14	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/10/14	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	AOCS_Ore-point_Start_2_OG [0x098]							

2018/10/14	06:10:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	02	00	00	00
2018/10/14	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/10/14	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/10/14	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/10/14	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/14	06:10:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	06:12:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09		
2018/10/14	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2018/10/14	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	06:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	06:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	06:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	06:52:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	06:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	07:17:00.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	07:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	08:32:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	08:32:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	08:32:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	08:32:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	08:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	08:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	08:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	08:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2018/10/14	09:00:00.5	AOCS_OrE-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	54	cc	01
2018/10/14	09:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/10/14	09:00:20.0	XRT_FLRCTRL_ENA_438_OG [0x1b6]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/10/14	09:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/10/14	09:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/14	09:02:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	09:02:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2018/10/14	09:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2018/10/14	09:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	10:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	10:12:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	10:12:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	10:12:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	10:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	10:28:00.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	10:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	15:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	15:36:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	15:36:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	15:36:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	15:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	15:49:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	15:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	15:57:00.0	XRT_CTRL_MANU_400_OG [0x190]							

2018/10/14	15:57:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	15:57:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	15:57:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/10/14	15:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/10/14	15:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	15:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	16:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/10/14	16:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	AOCU_NM	5	02-76	02 00 00 00 00		
2018/10/14	16:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/10/14	16:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/10/14	16:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/10/14	16:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/10/14	16:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/10/14	16:02:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/10/14	16:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09		
2018/10/14	16:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/10/14	17:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/10/14	17:12:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	17:12:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	17:12:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/10/14	17:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/10/14	17:36:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/10/14	17:37:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_Custom_430_OG [0x1ae]	1	07-F0	c0		
2018/10/14	18:06:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/10/14	18:06:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	18:06:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	18:06:30.0	AOCS_OrE-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2018/10/14	18:06:48.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00		
2018/10/14	18:06:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2018/10/14	18:06:52.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2018/10/14	18:09:28.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/10/14	18:09:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2018/10/14	18:16:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/10/14	18:16:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	18:16:28.0	XRT_FOCUS_RECALIBRATE_416_OG [0x1a0]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/10/14	18:16:30.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_RECAL	2	07-F8	78 00		
2018/10/14	18:20:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	AOCU_NM	5	02-76	02 00 00 00 00		
2018/10/14	18:20:48.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/10/14	18:20:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/10/14	18:20:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/10/14	18:20:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/10/14	18:20:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/10/14	18:23:26.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/10/14	18:23:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09		
2018/10/14	18:23:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/10/14	18:49:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/10/14	18:49:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		

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2018/10/14	18:49:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	18:49:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	18:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	19:12:30.5	XRT_Custom_430_OG [0x1ae]							
2018/10/14	19:13:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	20:26:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	20:26:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	20:26:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	20:26:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	20:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	20:49:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	20:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	22:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	22:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	22:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	22:03:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	22:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	22:26:00.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	22:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	22:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	22:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	22:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2018/10/14	23:00:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	03 00 00 00 00			
2018/10/14	23:00:18.0	XRT_FLD_ENA_407_OG [0x197]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/10/14	23:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/10/14	23:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/10/14	23:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/10/14	23:02:54.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	23:02:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08			
2018/10/14	23:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2018/10/14	23:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/14	23:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	23:40:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/14	23:40:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/14	23:40:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/14	23:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/14	23:57:00.0	XRT_Custom_430_OG [0x1ae]							
2018/10/14	23:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/15	01:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/15	01:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/15	01:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/10/15	01:14:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/10/15	01:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/10/15	01:24:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/15	01:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/10/15	02:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/15	02:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/10/15	02:29:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2018/10/15	02:30:00.0	AOCS_ORe-point_Start_2_OG [0x098]							

2018/10/15	02:30:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2018/10/15	02:30:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2018/10/15	02:30:22.0	XRT_ARS_DIS_414_OG [0x19e]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2018/10/15	02:32:58.0	XRT_QT_PROG_SET_435_OG [0x1b3]		2	07-F0	c4	12			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	12			
2018/10/15	02:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2018/10/15	02:39:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	02:39:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	02:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2018/10/15	02:40:00.0	AOCs_OrE-point_Start_7_OG [0x09d]		5	02-76	04	00	00	00	00
		AOCU_NM		5	02-76	04	00	00	00	00
2018/10/15	02:40:18.0	XRT_FLD_ENA_407_OG [0x197]		1	07-F0	d8				
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2018/10/15	02:42:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0	c8				
		MDP_XRT_FLRCTRL_ENA		1	07-F0	c8				
2018/10/15	02:42:50.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0	d0				
		MDP_XRT_AEC_RESET		1	07-F0	d0				
2018/10/15	02:42:52.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2018/10/15	02:42:54.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2018/10/15	02:42:56.0	XRT_QT_PROG_SET_417_OG [0x1a1]		2	07-F0	c4	08			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	08			
2018/10/15	02:42:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		2	07-F0	c5	0d			
		MDP_XRT_FL_PROG_SET		2	07-F0	c5	0d			
2018/10/15	03:00:00.0	XRT_Custom_430_OG [0x1ae]								
2018/10/15	03:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2018/10/15	04:09:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	04:09:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	04:09:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2018/10/15	04:09:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2018/10/15	04:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2018/10/15	04:37:30.0	XRT_Custom_430_OG [0x1ae]								
2018/10/15	04:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2018/10/15	05:47:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	05:47:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	05:47:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
		MDP_XRT_FLD_RESET		1	07-F0	da				
2018/10/15	05:47:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
		MDP_XRT_PREFLR_STRT		1	07-F0	e8				
2018/10/15	05:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
		MDP_XRT_PREFLR_STOP		1	07-F0	e9				
2018/10/15	06:14:30.0	XRT_Custom_430_OG [0x1ae]								
2018/10/15	06:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2018/10/15	06:24:24.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	06:24:26.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	06:24:28.0	XRT_FOCUS_POSITION_406_OG [0x196]		4	07-F8	22	ff	aa	00	
		XRT_FOCUS_POSITION		4	07-F8	22	ff	aa	00	
2018/10/15	06:24:30.0	AOCs_OrE-point_Start_2_OG [0x098]		5	02-76	00	00	00	00	00
		AOCU_NM		5	02-76	00	00	00	00	00
2018/10/15	06:24:48.0	XRT_FLD_DIS_409_OG [0x199]		1	07-F0	d9				
		MDP_XRT_FLD_DIS		1	07-F0	d9				
2018/10/15	06:24:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0	c9				
		MDP_XRT_FLRCTRL_DIS		1	07-F0	c9				
2018/10/15	06:24:52.0	XRT_ARS_DIS_414_OG [0x19e]		1	07-F0	d5				
		MDP_XRT_ARS_DIS		1	07-F0	d5				
2018/10/15	06:27:28.0	XRT_QT_PROG_SET_447_OG [0x1bf]		2	07-F0	c4	14			
		MDP_XRT_QT_PROG_SET		2	07-F0	c4	14			
2018/10/15	06:27:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
		MDP_XRT_CTRL_AUTO		1	07-F0	c0				
2018/10/15	06:34:24.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	06:34:26.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
		MDP_XRT_CTRL_MANU		1	07-F0	c1				
2018/10/15	06:34:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
		XRT_FOCUS_POSITION		4	07-F8	22	fe	97	00	
2018/10/15	06:34:30.0	AOCs_OrE-point_Start_3_OG [0x099]		5	02-76	02	00	00	00	00
		AOCU_NM		5	02-76	02	00	00	00	00
2018/10/15	06:34:48.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0	d8				
		MDP_XRT_FLD_ENA		1	07-F0	d8				
2018/10/15	06:34:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0	c8				
		MDP_XRT_FLRCTRL_ENA		1	07-F0	c8				
2018/10/15	06:34:52.0	XRT_AEC_RESET_448_OG [0x1c0]								

2018/10/15	06:34:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/10/15	06:34:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/10/15	06:37:26.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	06:37:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09
2018/10/15	06:37:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/10/15	07:28:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	07:28:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	07:28:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	07:28:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	07:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	07:52:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	07:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430	1	07-F0	e9
2018/10/15	09:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	09:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	09:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	09:07:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	09:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	09:28:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	09:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430	1	07-F0	e9
2018/10/15	10:49:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	10:49:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	10:49:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	10:49:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	10:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	10:58:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	10:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430	1	07-F0	e9
2018/10/15	14:38:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	14:38:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	14:38:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	14:38:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	14:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	14:43:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	14:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430	1	07-F0	e9
2018/10/15	16:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	16:10:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	16:10:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	16:10:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	16:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	16:34:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	16:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CUSTOM_430	1	07-F0	e9
2018/10/15	17:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/10/15	17:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	17:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	17:47:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/10/15	17:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/10/15	18:10:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/10/15	18:10:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	18:10:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/10/15	18:10:30.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00

2018/10/15	18:10:48.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00	00	00	00	00
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/10/15	18:10:50.5	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0	c9				
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/10/15	18:10:52.5	XRT_ARS_DIS_414_OG [0x19e]		1	07-F0	d5				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/10/15	18:13:28.5	XRT_QT_PROG_SET_447_OG [0x1bf]		2	07-F0	c4	14			
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2018/10/15	18:13:30.5	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/15	18:20:24.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	18:20:26.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	18:20:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/10/15	18:20:30.0	AOCs_Orе-point_Start_3_OG [0x099]		5	02-76	02	00	00	00	00
			AOCU_NM	5	02-76	02	00	00	00	00
2018/10/15	18:20:48.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0	d8				
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/10/15	18:20:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0	c8				
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/10/15	18:20:52.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0	d0				
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/10/15	18:20:54.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0	d5				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/10/15	18:20:56.0	XRT_FLD_RESET_432_OG [0x1b0]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/15	18:23:26.0	XRT_QT_PROG_SET_421_OG [0x1a5]		2	07-F0	c4	09			
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2018/10/15	18:23:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]		2	07-F0	c5	0d			
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/10/15	18:23:30.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/15	19:24:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	19:24:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	19:24:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/15	19:24:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/15	19:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/15	19:47:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/15	19:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c1				
2018/10/15	21:01:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	21:01:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	21:01:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/15	21:01:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/15	21:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/15	21:24:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/15	21:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c1				
2018/10/15	22:38:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	22:38:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/15	22:38:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/15	22:38:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/15	22:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/15	23:00:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/15	23:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c1				
2018/10/16	00:15:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	00:15:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	00:15:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/16	00:15:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]		1	07-F0	e8				
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/16	00:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0	e9				
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/16	00:26:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0	c0				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/16	00:27:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0	c1				
			MDP_XRT_CTRL_AUTO	1	07-F0	c1				
2018/10/16	01:41:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	01:41:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0	c1				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	01:41:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0	da				
			MDP_XRT_FLD_RESET	1	07-F0	da				

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2018/10/16	01:41:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/16	01:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/16	01:58:30.0	XRT_Custom_430_OG [0x1ae]					
2018/10/16	01:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/16	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/10/16	03:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/10/16	03:00:18.0	XRT_FLD_ENA_407_OG [0x197]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/10/16	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/10/16	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/10/16	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/10/16	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/16	03:02:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04	
2018/10/16	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/10/16	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/16	03:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	03:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	03:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/16	03:14:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/16	03:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/16	03:35:00.0	XRT_Custom_430_OG [0x1ae]					
2018/10/16	03:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/16	04:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	04:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	04:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/10/16	04:43:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/10/16	04:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/10/16	05:12:30.0	XRT_Custom_430_OG [0x1ae]					
2018/10/16	05:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/16	05:56:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	05:56:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	05:56:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/10/16	05:56:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/10/16	05:56:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/10/16	05:56:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/10/16	05:56:52.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/10/16	05:59:28.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2018/10/16	05:59:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/10/16	06:06:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	06:06:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/10/16	06:06:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/10/16	06:06:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	02 00 00 00 00	
2018/10/16	06:06:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/10/16	06:06:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/10/16	06:06:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/10/16	06:06:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/10/16	06:06:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da	

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2018/10/16	06:09:26.0	XRT_QT_PROG_SET_421_OG [0x1a5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	09			
2018/10/16	06:09:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/10/16	06:09:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/16	06:23:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	06:23:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	06:23:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/16	06:23:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/16	06:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/16	06:49:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/16	06:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/16	08:04:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	08:04:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	08:04:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/16	08:04:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/16	08:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/16	08:26:30.0	XRT_Custom_430_OG [0x1ae]							
2018/10/16	08:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/10/16	09:43:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	09:43:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/10/16	09:43:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/10/16	09:43:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/10/16	09:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/10/16	10:51:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00