

# XRT Timeline to be uploaded on 2019/06/15

Period: 2019/06/15 11:15:00 - 2019/06/25 10:21:00

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## Normal mode

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### XOB #1BD5: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 180s cad (G-band/Leak last)

Term	Pointing (x, y)	Comment
06/15 11:51:00 - 06/15 12:00:00	Track ( -171.6, 12.1) @ 06/15 11:25:00	# OP start + 10min   Bright point obs.
<b>PROG= 05 Inf.-time(s)</b>		
└─ Subr= 1 20-time(s) 180.0sec		
└─ Seqn= 8 1-time(s) 2.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.41s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec
└─ Seqn= 6 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec
└─ Subr= 2 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
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

### XOB #1C50: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, Al/Poly context, with G-band (1ms/1ms)

Term	Pointing (x, y)	Comment
06/15 12:03:06 - 06/15 17:38:54	Track ( -171.6, 12.1) @ 06/15 11:25:00	# OP start + 10min   Bright point obs.
06/16 12:37:06 - 06/16 18:02:24	Track ( 73.2, 44.0) @ 06/16 12:00:00	Bright point obs.
<b>PROG= 07 Inf.-time(s)</b>		
└─ Subr= 1 1-time(s) 2.0sec		
└─ Seqn= 92 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
└─ Seqn= 24 3-time(s) 2.0sec		
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
Open/thick-Al	Open/thick-Al close	Safe Norm 16.0s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
└─ Seqn= 27 15-time(s) 120.0sec		
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 70.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 70.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 2 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 2 70.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

### XOB #1C1B: Synoptic Q95 2x2 - Al/mesh(512/2048/5796) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(512/4096/8192)

Term	Pointing (x, y)	Comment
06/15 17:42:00 - 06/15 17:48:54	Fixed ( 0.0, 0.0)	synoptic, shifted -21.0 min
06/16 06:03:00 - 06/16 06:09:54	Fixed ( 0.0, 0.0)	synoptic
06/16 18:05:30 - 06/16 18:12:24	Fixed ( 0.0, 0.0)	synoptic, shifted 2.5 min
06/17 06:36:00 - 06/17 06:42:54	Fixed ( 0.0, 0.0)	synoptic, shifted 33.0 min
06/17 18:09:30 - 06/17 18:16:24	Fixed ( 0.0, 0.0)	synoptic, shifted 6.5 min
06/18 05:59:00 - 06/18 06:01:54	Fixed ( 0.0, 0.0)	synoptic, shifted -8.0 min
<b>PROG= 06 1-time(s)</b>		
└─ 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= 78 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 5.66s 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 #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
06/15 17:52:00 - 06/15 19:32:00	Fixed ( 850.0, 100.0)	EIS spectral atlas
06/15 20:11:30 - 06/16 01:59:54	Fixed ( 0.0, 900.0)	North polar CH
06/16 06:13:00 - 06/16 11:55:30	Fixed ( 0.0, -900.0)	South polar CH
06/16 12:26:30 - 06/16 12:34:00	Track ( 73.2, 44.0) @ 06/16 12:00:00	Bright point obs.
06/16 18:15:30 - 06/17 01:59:54	Fixed ( 0.0, 900.0)	North polar CH
06/17 06:46:00 - 06/17 17:25:30	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign
06/17 18:19:30 - 06/17 20:42:30	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)
06/17 21:21:30 - 06/17 21:33:00	Track ( -19.9, 559.0) @ 06/17 21:00:00	HOP 336 North
06/18 06:05:00 - 06/25 10:21:00	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)

**PROG= 15 Inf.-time(s)**

Subr=	1-time(s)	2.0sec										
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	

**XOB #1C51: HOP349 - 3-filter Synoptics (Al-mesh[128/1024/5795], Al-poly[256/4096/8192], thin-Be[2048/16384/32768] with 512x512 G-band+Leak(1064,1048)**

Term	Pointing (x, y)	Comment
06/16 02:03:00 - 06/16 05:07:00	Fixed ( 0.0, 0.0)	HOP 349 for XRT
06/17 02:03:00 - 06/17 05:43:00	Fixed ( 0.0, 0.0)	HOP 349 for XRT
06/18 03:03:00 - 06/18 05:51:54	Fixed ( 0.0, 0.0)	HOP 349 for XRT

**PROG= 18 Inf.-time(s)**

Subr=	1-time(s)	300.0sec										
Subr= 1	1-time(s)	300.0sec										
Seqn= 88	1-time(s)	2.0sec										
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 50	1-time(s)	2.0sec										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 56	1-time(s)	2.0sec										
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 81	1-time(s)	2.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=95	0	0	2.0sec
Subr= 2	5-time(s)	420.0sec										
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 #1C20: AR (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 120s**

Term	Pointing (x, y)	Comment
06/17 21:36:06 - 06/17 23:59:00	Track ( -19.9, 559.0) @ 06/17 21:00:00	HOP 336 North
06/18 00:30:00 - 06/18 02:59:54	Track ( -20.0, -717.0) @ 06/18 00:00:00	HOP 336 South

**PROG= 10 Inf.-time(s)**

Subr=	1-time(s)	2.0sec										
Subr= 1	1-time(s)	2.0sec										
Seqn= 92	1-time(s)	2.0sec										
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Seqn= 71	3-time(s)	2.0sec										
Open/thick-Al	Open/thick-Be	close	Safe	Norm	16.0s	Obs	1x1	512x512 (1064, 1048)	Q=98	3	0	2.0sec
Subr= 2	60-time(s)	120.0sec										
Seqn= 94	1-time(s)	40.0sec										
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	512x512 (1064, 1048)	Q=95	2	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	512x512 (1064, 1048)	Q=95	2	0	2.0sec

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

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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
06/15 12:03:06 - 06/15 17:38:54	Track ( -171.6, 12.1) @ 06/15 11:25:00	# OP start + 10min   Bright point obs.
06/15 17:52:00 - 06/15 19:32:00	Fixed ( 850.0, 100.0)	EIS spectral atlas
06/15 20:11:30 - 06/15 20:40:00	Fixed ( 0.0, 900.0)	North polar CH
06/15 20:43:06 - 06/16 01:59:54	Fixed ( 0.0, 900.0)	North polar CH
06/16 02:03:00 - 06/16 05:07:00	Fixed ( 0.0, 0.0)	HOP 349 for XRT
06/16 06:13:00 - 06/16 11:55:30	Fixed ( 0.0, -900.0)	South polar CH
06/16 12:26:30 - 06/16 12:34:00	Track ( 73.2, 44.0) @ 06/16 12:00:00	Bright point obs.
06/16 12:37:06 - 06/16 18:02:24	Track ( 73.2, 44.0) @ 06/16 12:00:00	Bright point obs.
06/16 18:15:30 - 06/17 01:59:54	Fixed ( 0.0, 900.0)	North polar CH
06/17 02:03:00 - 06/17 05:43:00	Fixed ( 0.0, 0.0)	HOP 349 for XRT
06/17 06:46:00 - 06/17 17:25:30	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign
06/17 18:19:30 - 06/17 20:42:30	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)
06/17 21:21:30 - 06/17 21:33:00	Track ( -19.9, 559.0) @ 06/17 21:00:00	HOP 336 North
06/17 21:36:06 - 06/17 23:59:00	Track ( -19.9, 559.0) @ 06/17 21:00:00	HOP 336 North
06/18 00:30:00 - 06/18 00:35:01	Track ( -20.0, -717.0) @ 06/18 00:00:00	HOP 336 South
06/18 00:38:07 - 06/18 02:59:54	Track ( -20.0, -717.0) @ 06/18 00:00:00	HOP 336 South
06/18 03:03:00 - 06/18 05:51:54	Fixed ( 0.0, 0.0)	HOP 349 for XRT
06/18 06:05:00 - 06/25 10:21:00	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)

#### PROG= 13 30-time(s)

<b>Subr= 1 20-time(s) 2.0sec</b>												
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn=100 1-time(s) 10.0sec</b>												
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
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 10 1-time(s) 2.0sec</b>												
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
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn= 87 1-time(s) 2.0sec</b>												
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

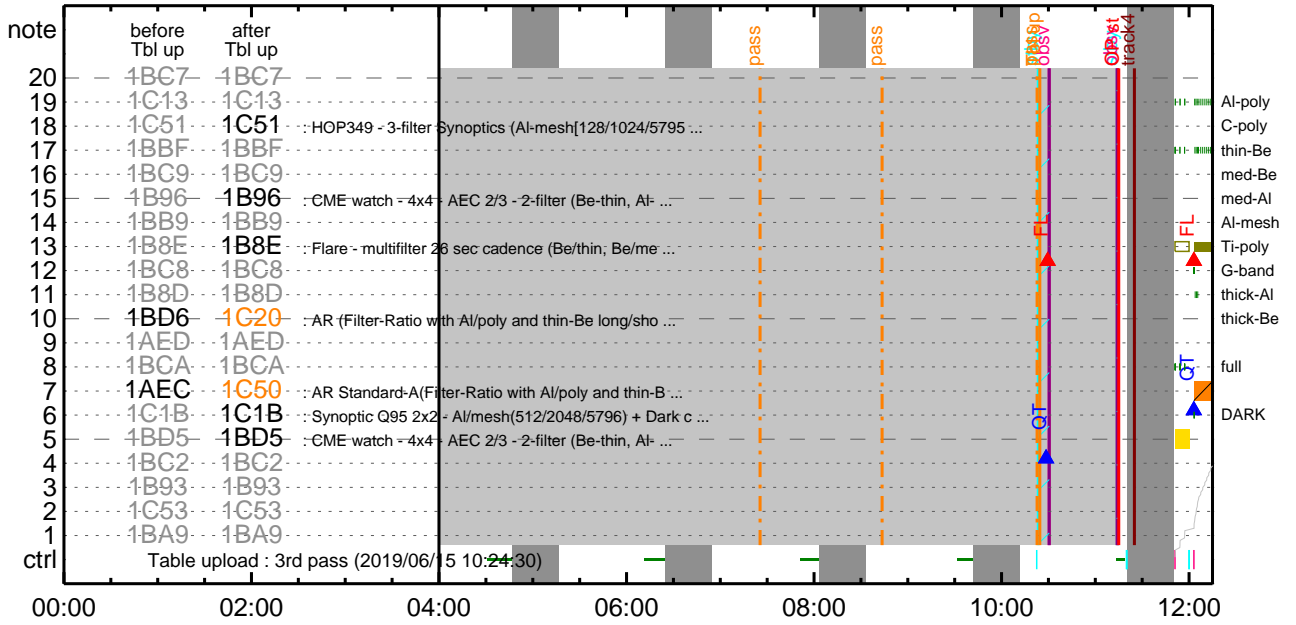
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### Flare Detection

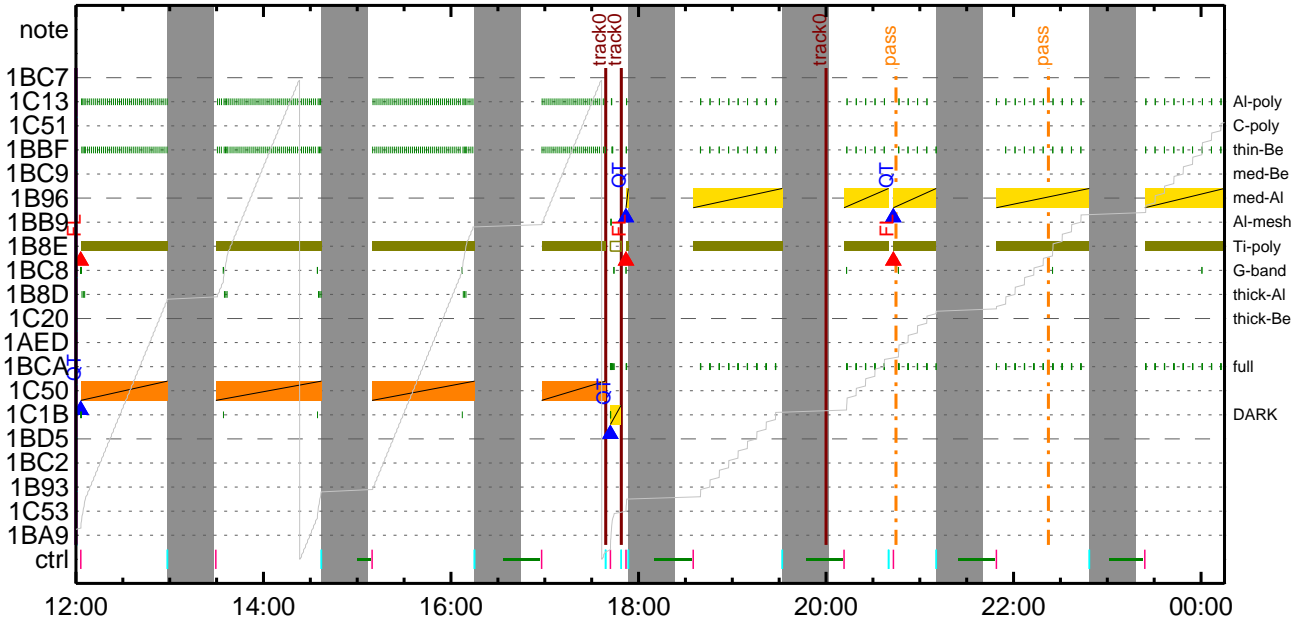
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FLD Patrol												
Term	Pointing (x, y)	Comment										
06/15 12:00:24 - 06/15 17:39:18	Track ( -171.6, 12.1) @ 06/15 11:25:00	# OP start + 10min   Bright point obs.										
06/15 17:49:18 - 06/16 06:00:18	Fixed ( 850.0, 100.0)	EIS spectral atlas										
06/16 06:10:18 - 06/16 18:02:48	Fixed ( 0.0, -900.0)	South polar CH										
06/16 18:12:48 - 06/17 06:33:18	Fixed ( 0.0, 900.0)	North polar CH										
06/17 06:43:18 - 06/17 18:06:48	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign										
06/17 18:16:48 - 06/18 05:56:18	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)										
06/18 06:02:18 - 06/25 10:21:00	Fixed ( -20.0, -34.0)	IRIS/SST/GREGOR campaign (cont.)										
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	

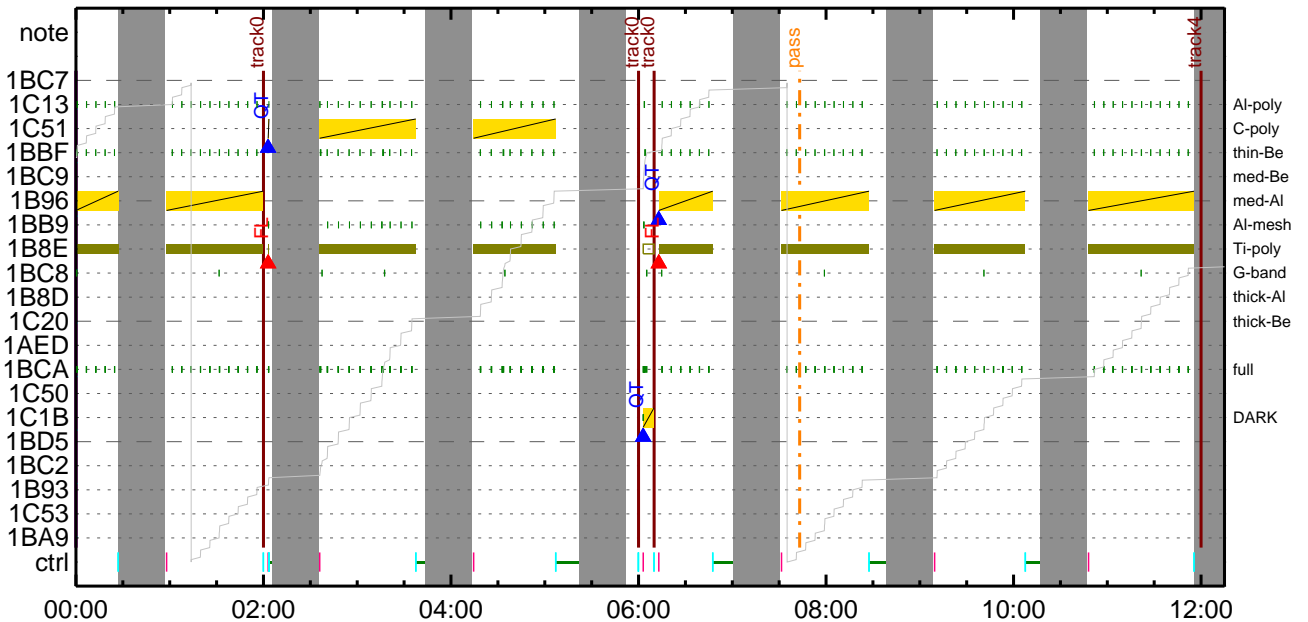
### CMDI #0294 2019/06/15



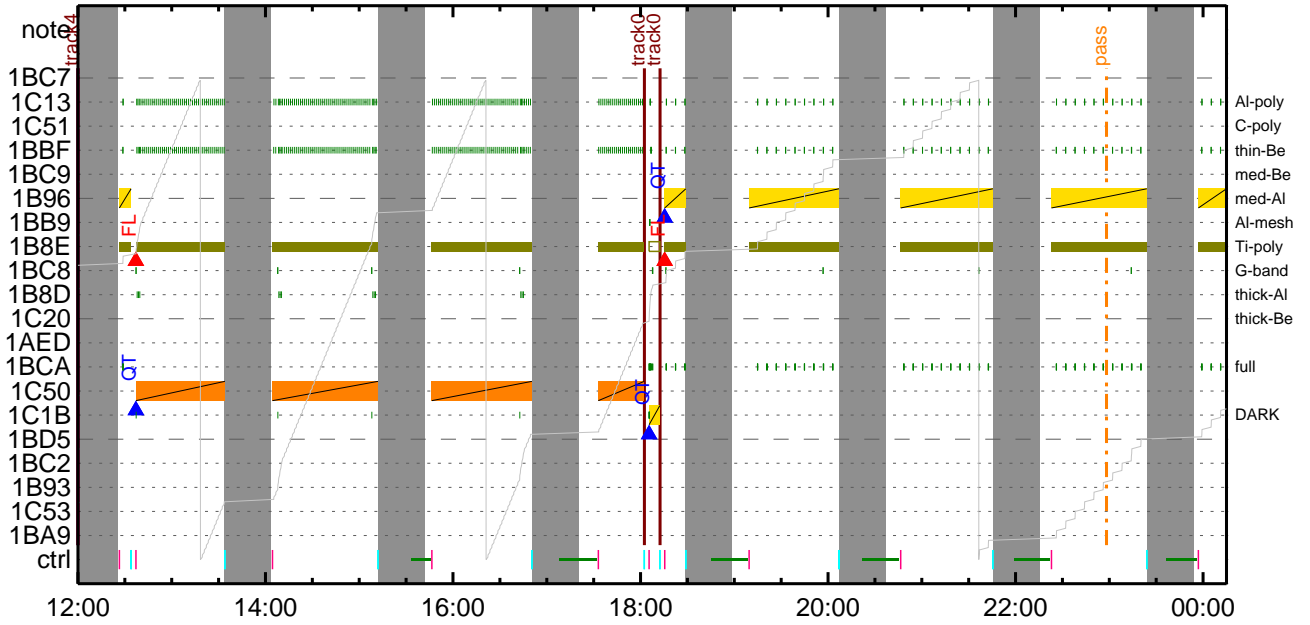
### CMDI #0294 2019/06/15



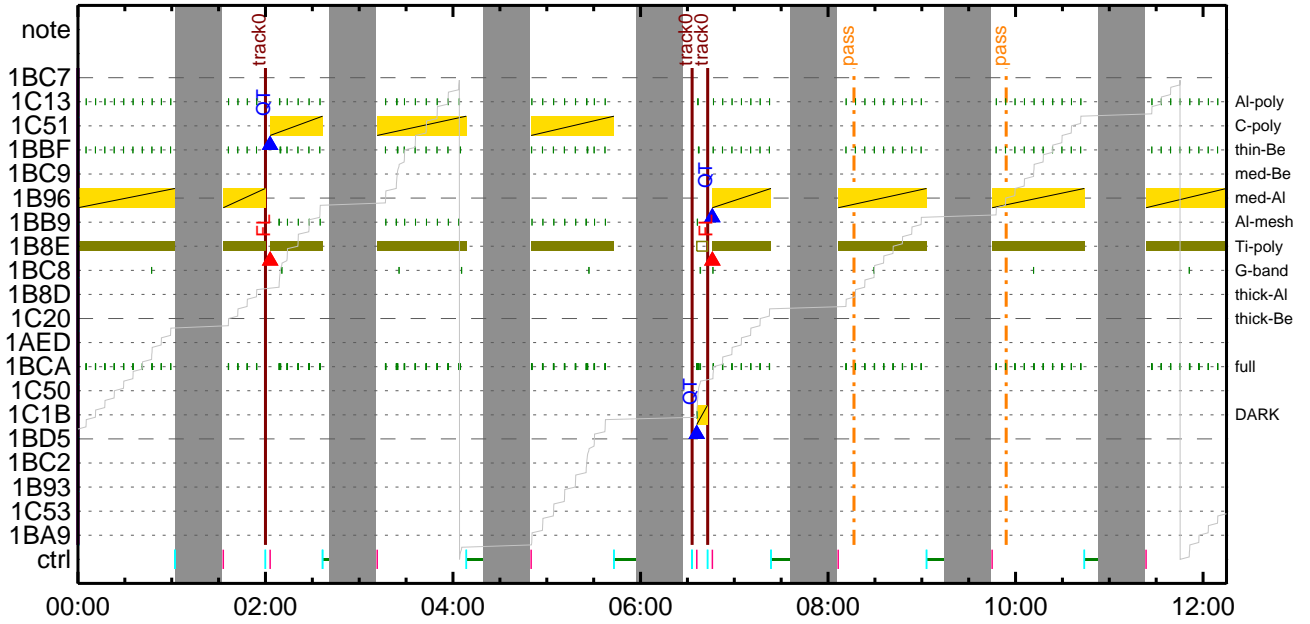
### CMDI #0294 2019/06/16



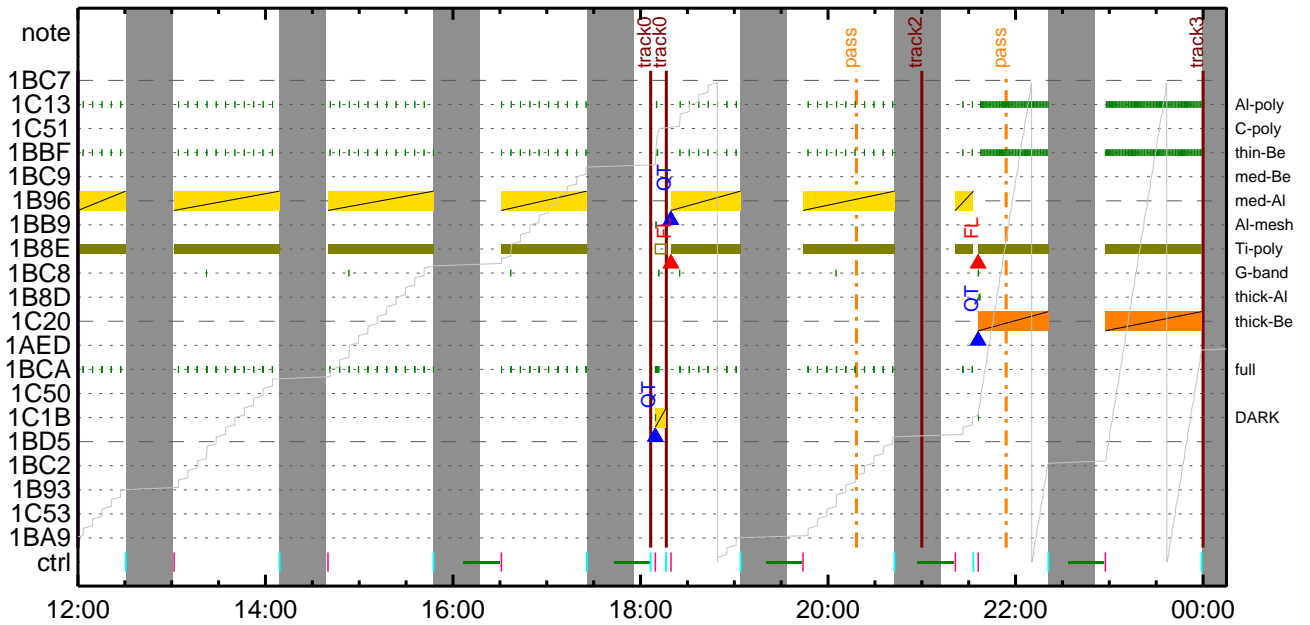
CMDI #0294 2019/06/16



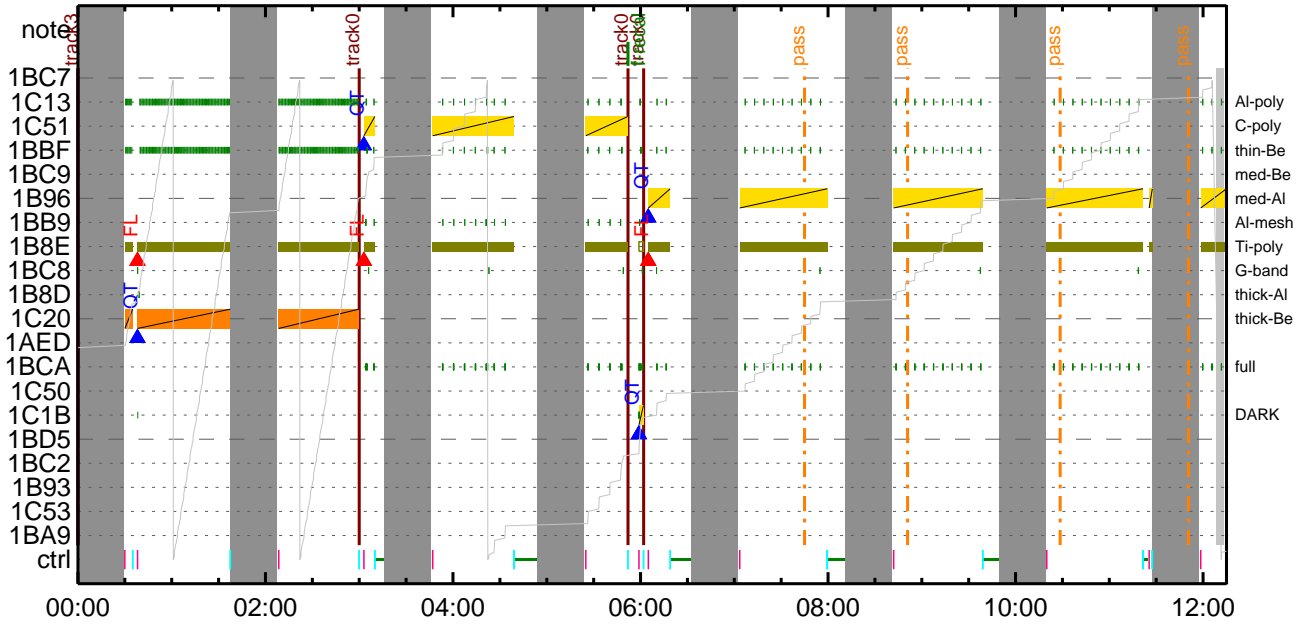
CMDI #0294 2019/06/17



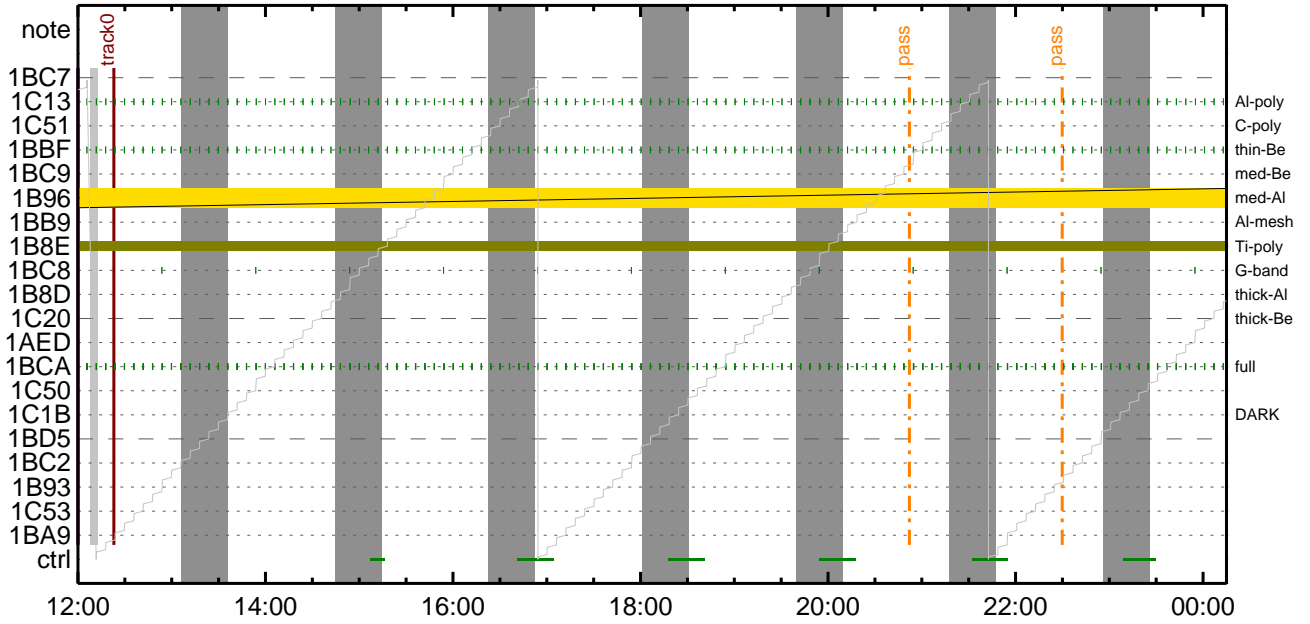
CMDI #0294 2019/06/17



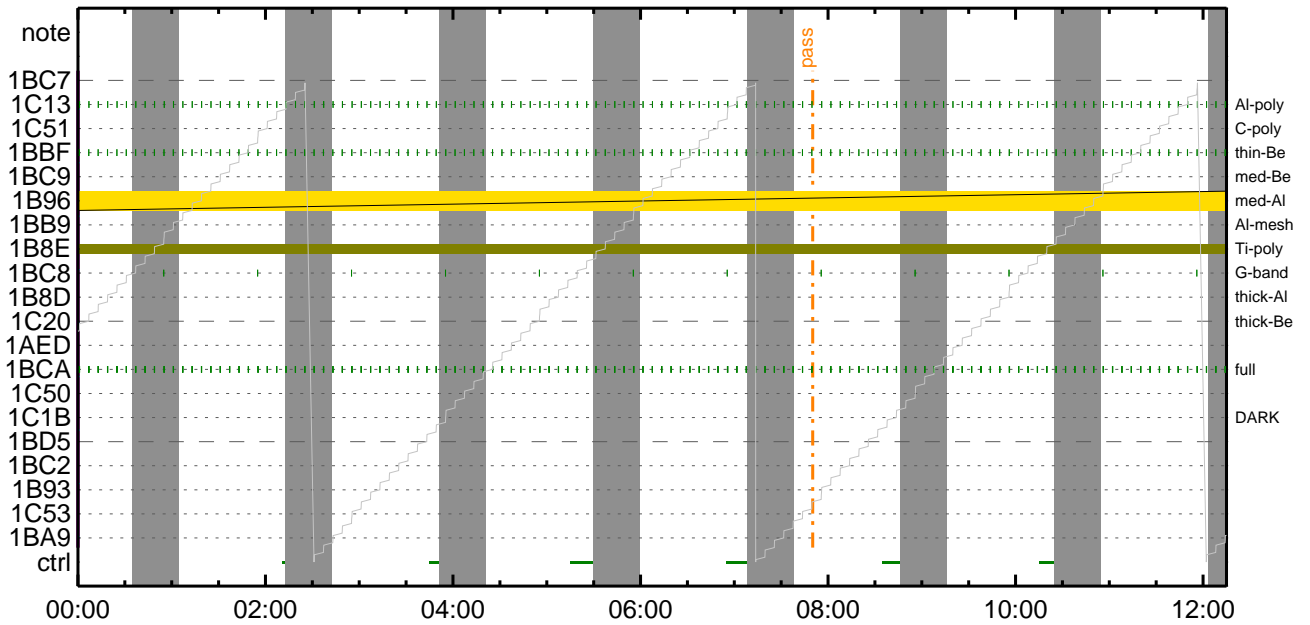
### CMDI #0294 2019/06/18



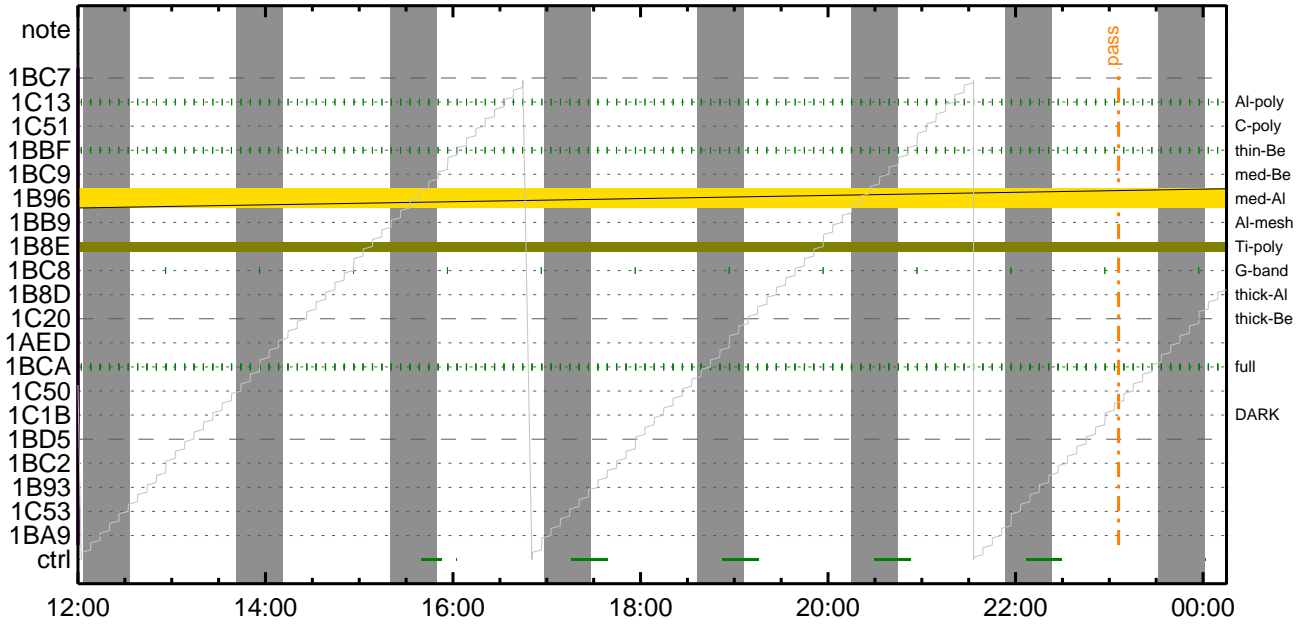
### CMDI #0294 2019/06/18



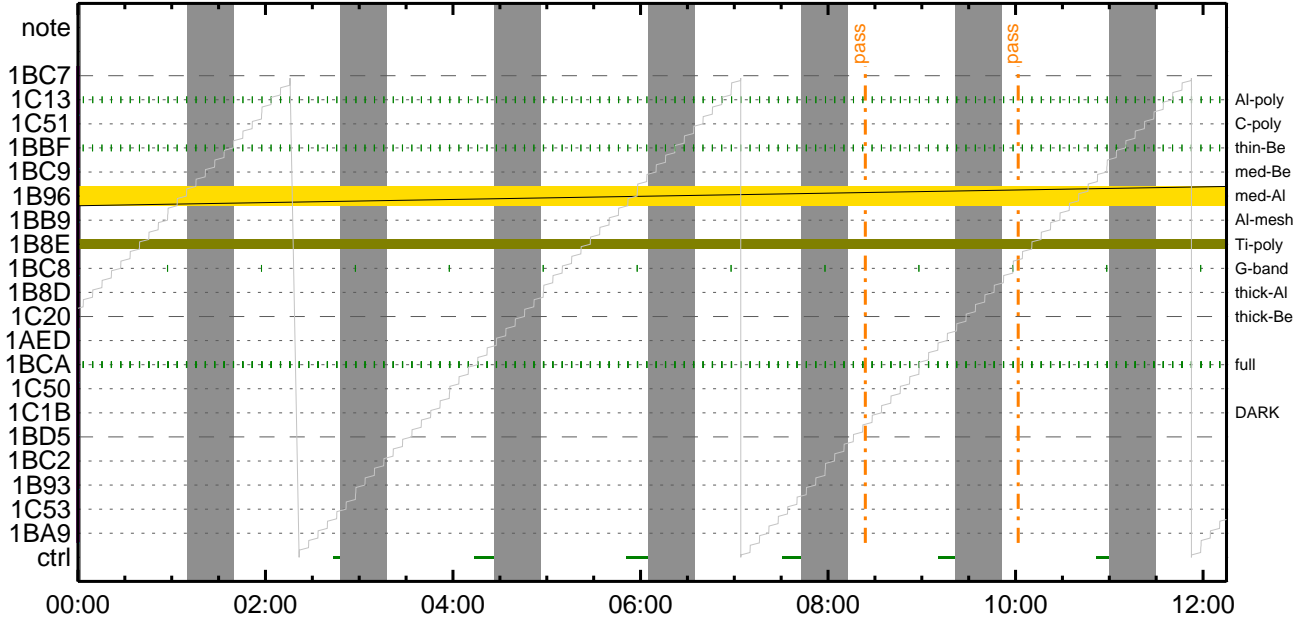
### CMDI #0294 2019/06/19



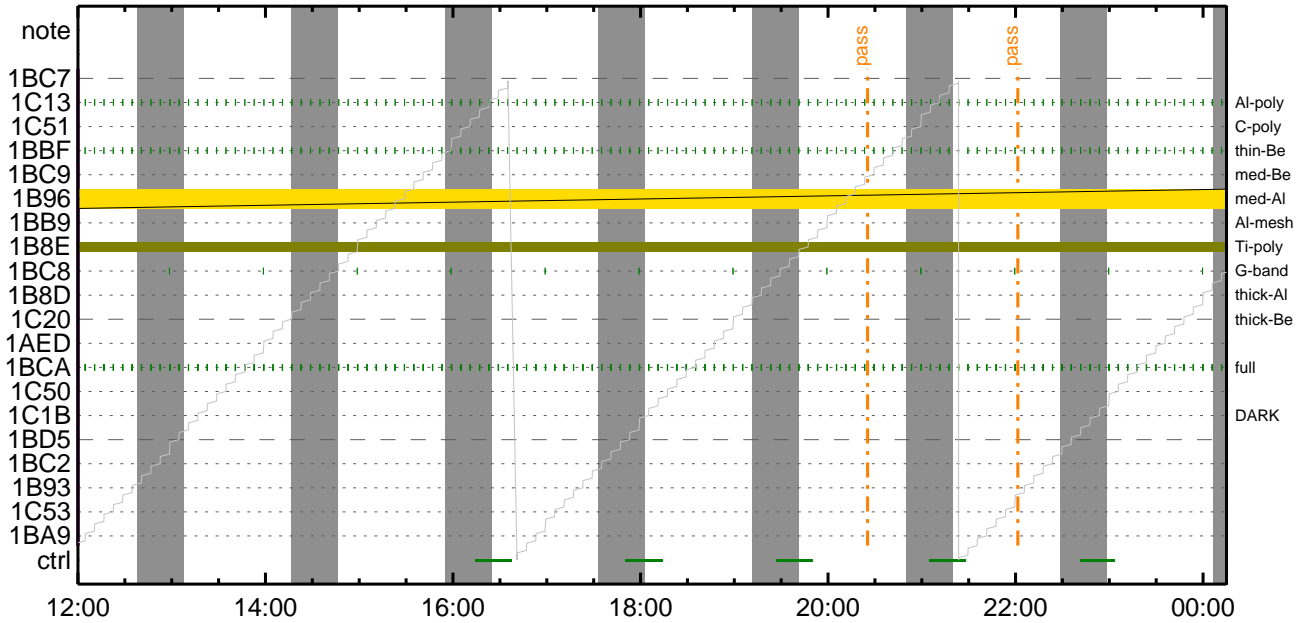
CMDI #0294 2019/06/19



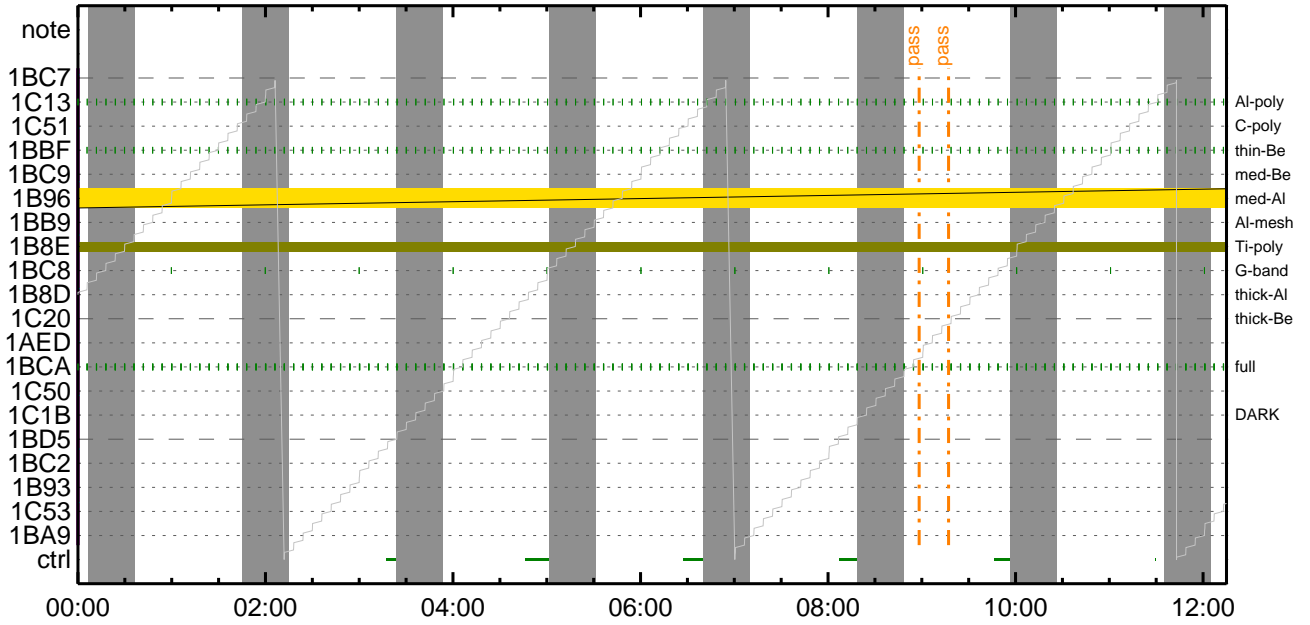
CMDI #0294 2019/06/20



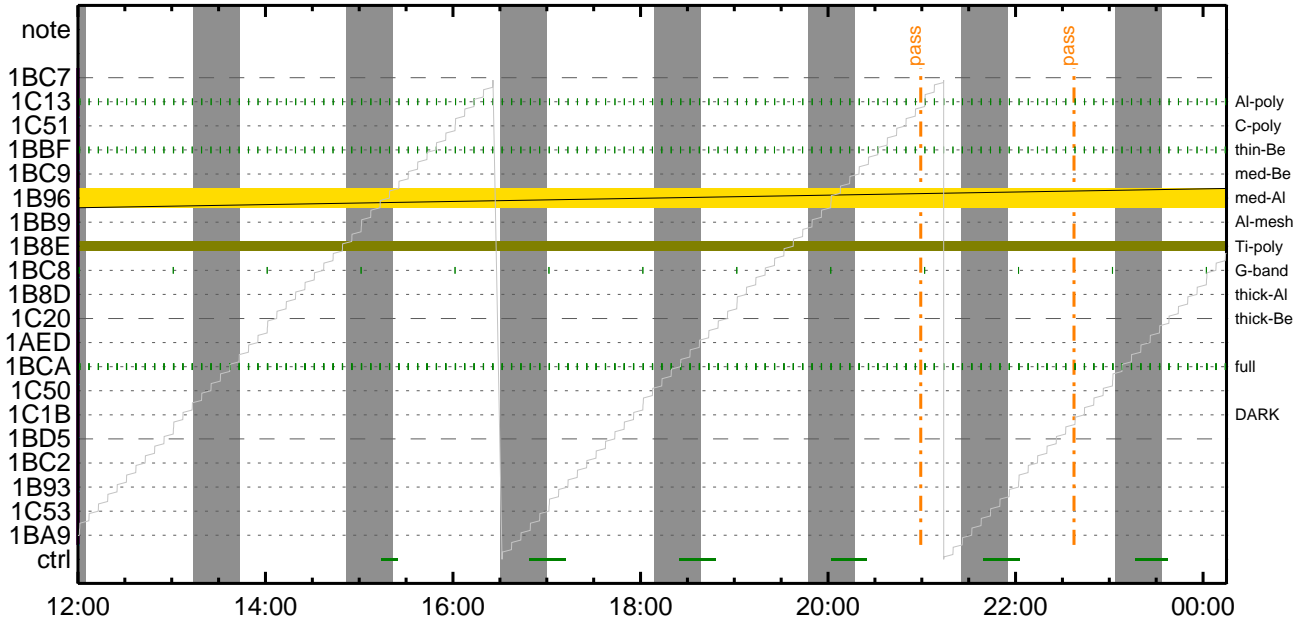
CMDI #0294 2019/06/20



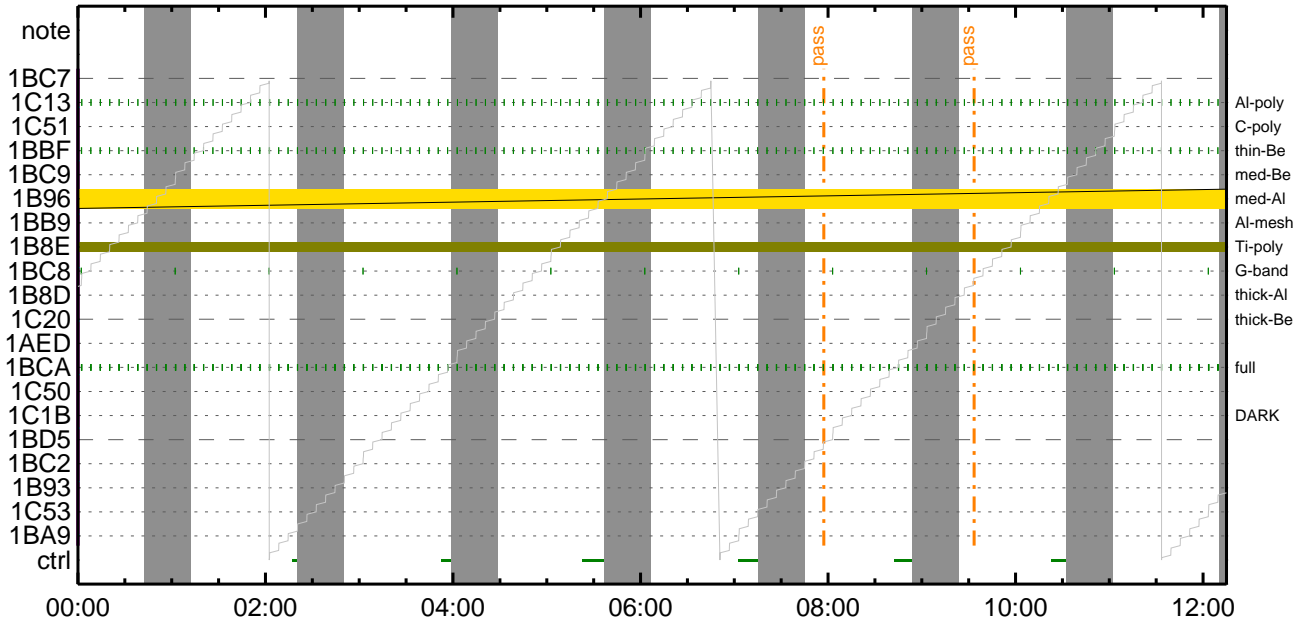
CMDI #0294 2019/06/21



CMDI #0294 2019/06/21

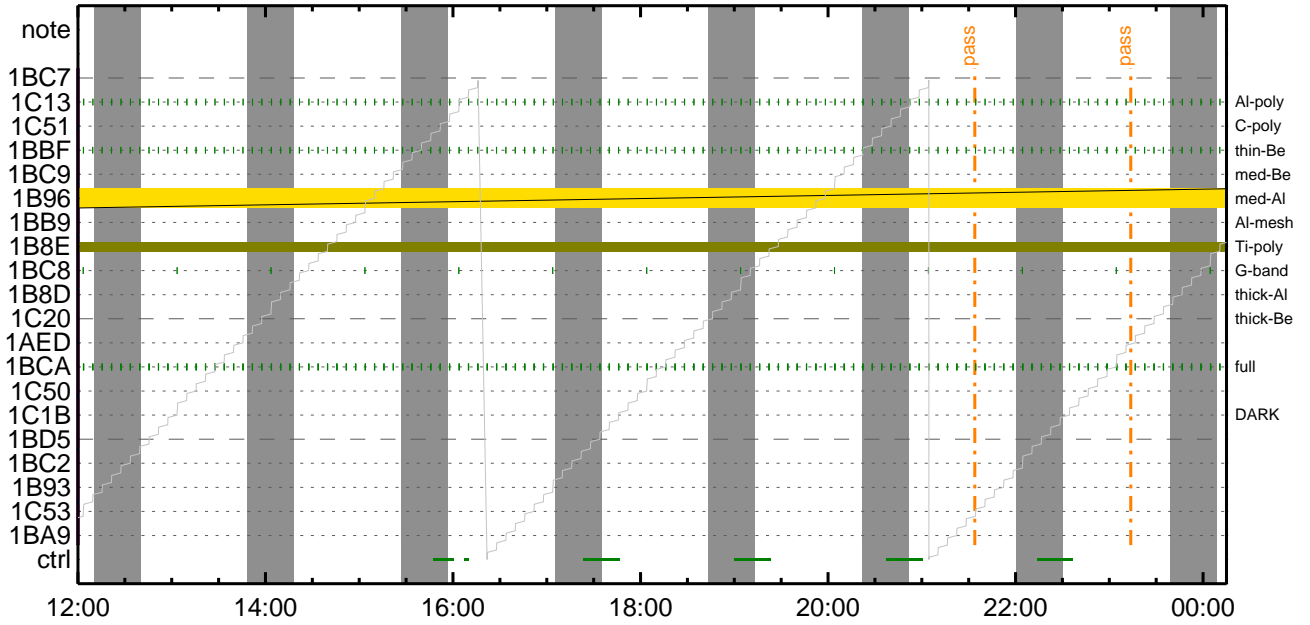


CMDI #0294 2019/06/22

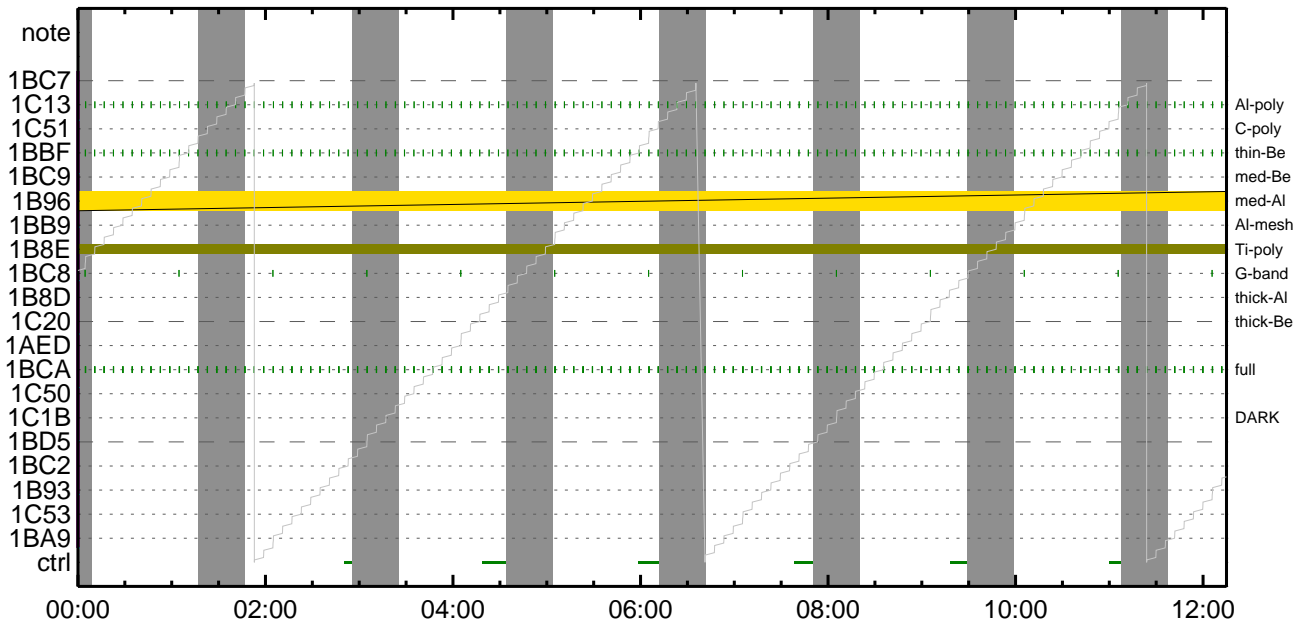




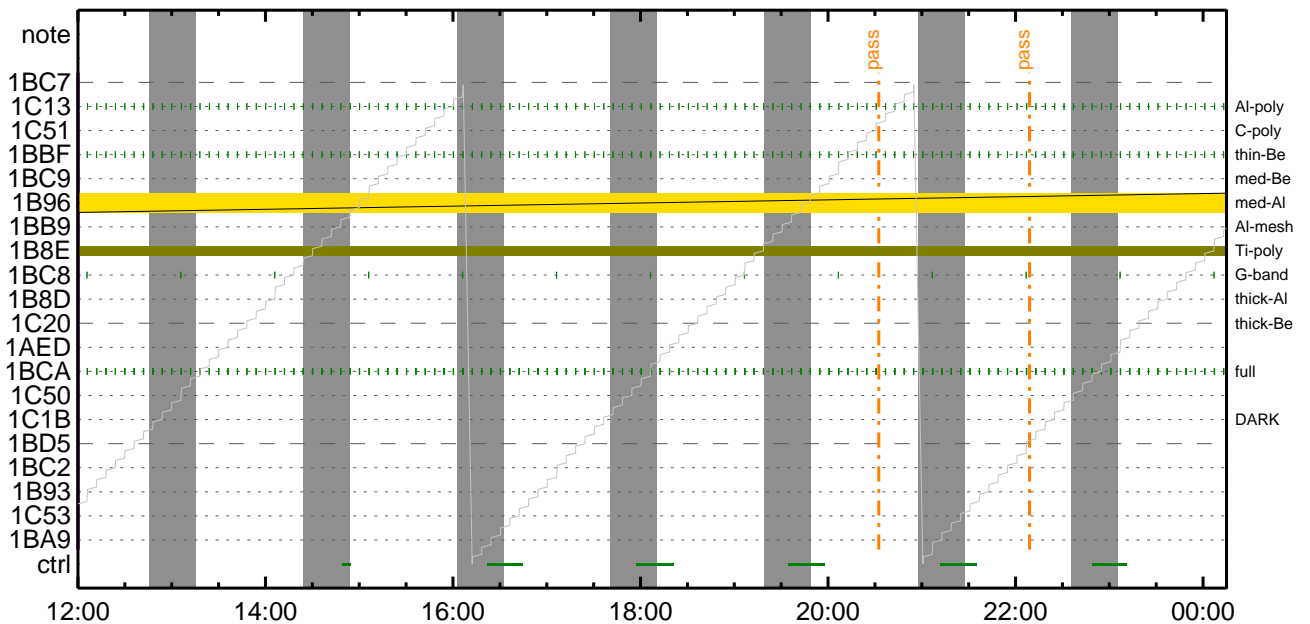
CMDI #0294 2019/06/22



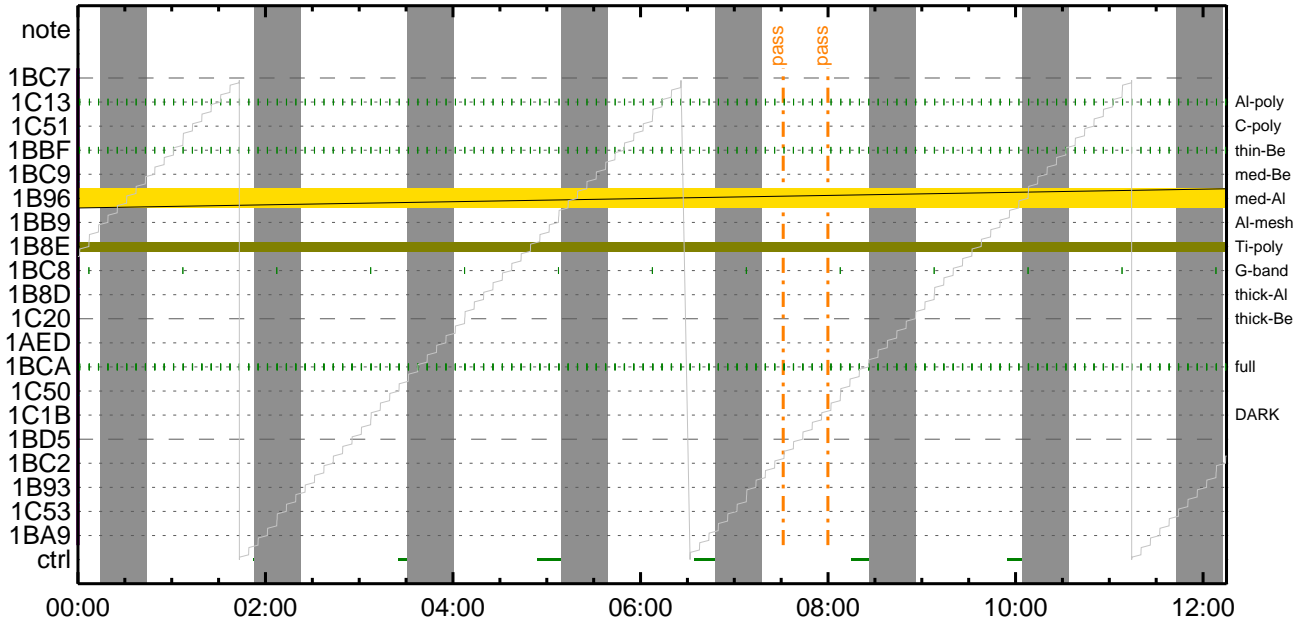
CMDI #0294 2019/06/23



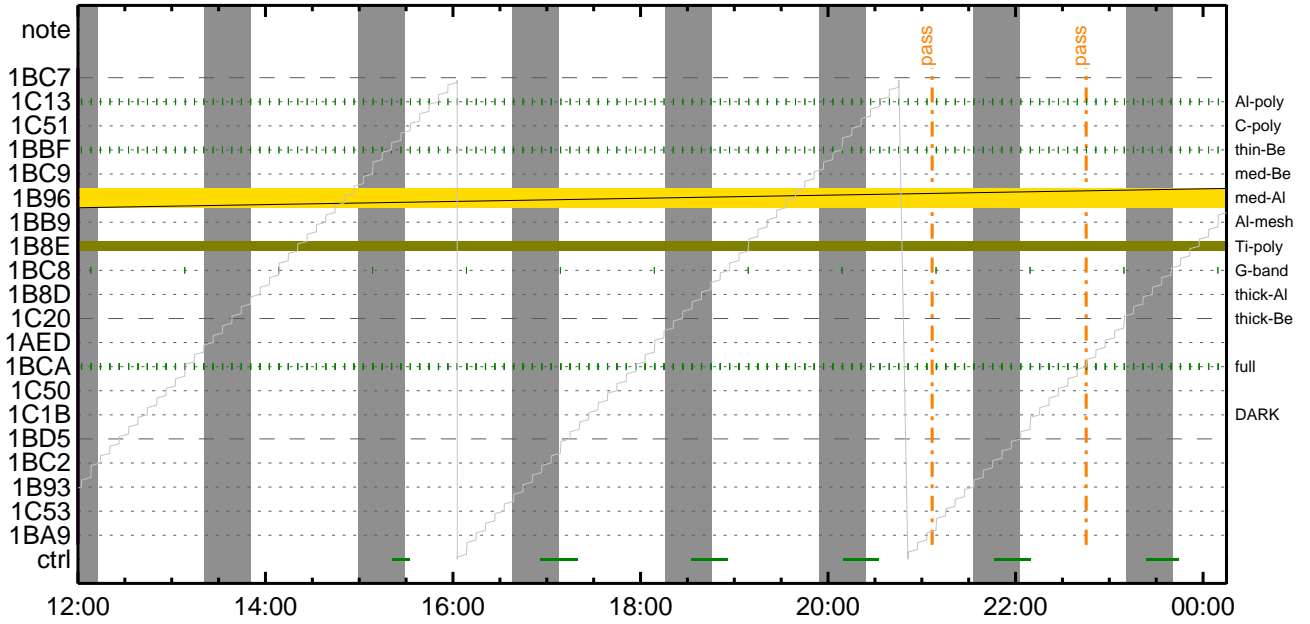
CMDI #0294 2019/06/23



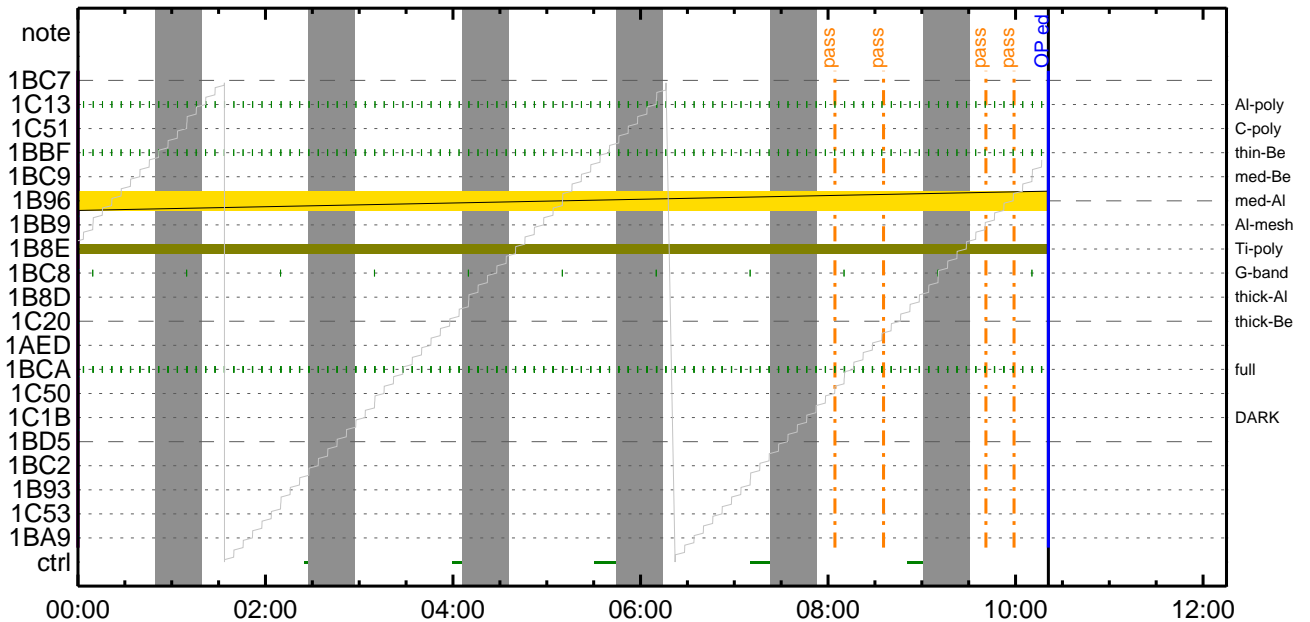
### CMDI #0294 2019/06/24



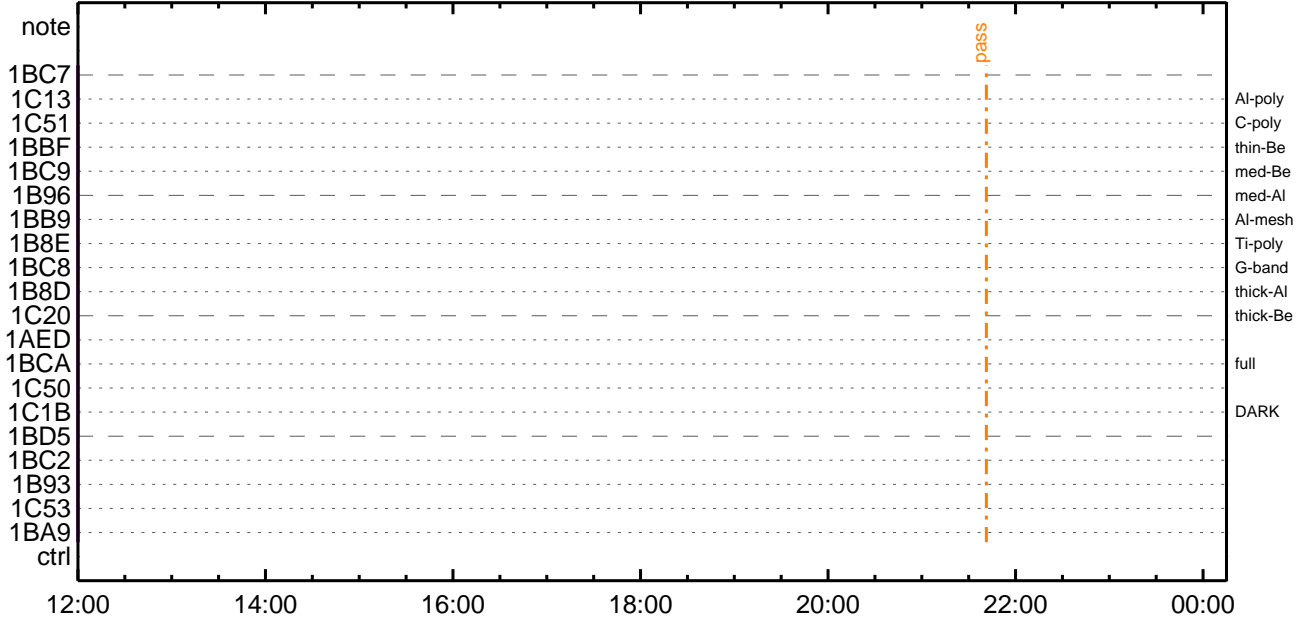
### CMDI #0294 2019/06/24



### CMDI #0294 2019/06/25



CMDI #0294 2019/06/25



(a) Spacecraft Operation Procedure (real-commands)

```
main-163 2019-06-15 12:31:39 194 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOS¥Á¥$¥Á¥´¼Á»Û;ä
0005 C.
0006 C. ¥À¥£;¼¥³¥£¥ö¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èç¿òÁð•μ°È»Í×ÁÇçòÍ¥ç¥Á¥×¥í;¼¥£;ÈÈè¿μ•íÉ;ÈòÈ¼°ÇÒã•ç¿ì¹ççí;çÁ®, ùñ¹òèçòç¿Á÷¿®ã•òÈççç³òÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OG¥í;¼¥£; | ¥À¥ö¥×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OG¥í;¼¥£;ä
0019 . S. OP op-163:OP
0020 ()
0021 . S. OG og-163:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPÍ°è¥Á¥ö¥×;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. ¥À¥ö¥×¼¥³¥£¿Ï»òð³ÍÇ§
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGòí¿È¹ç•è²ÏOKòð³ÍÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. ¥À¥ö¥×¼¥³¥£¿Ï»òð³ÍÇ§
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGòí¿È¹ç•è²ÏOKòð³ÍÇ§
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. ¥À¥ö¥×¼¥³¥£¿Ï»òð³ÍÇ§
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPòí¿È¹ç•è²ÏOKòð³ÍÇ§
0081 C.
0082 . C. ***** òÈ²¼òí¿Ä´¶¼°òÈÈ-ò°Á÷¿® (¼áμ-¥À¥ö¥×¼¿è¿çòðÄÓÃæç¿¾ã°-ò¿¼ì¹çççò) *****
0083 C. DHU¥â;¼¥£;È¥¿¿; ¥í;¼¥£;ÈòòÍáç¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE |§ OPOG UPLOADò-Á÷¿®NGòí¿ì¹ç; ç°È²¼òí¿TI-CMDÁ÷¿®òí¿Á¹Ôã•òÈççç³òÈ;£
```

```

0096 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0097 C.
0098 C. TI 2019-06-15 11:10:00.0
0099 +. TI 2019-06-15 11:10:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0102 C.
0103 +. TI 2019-06-15 11:10:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0106 C.
0107 +. TI 2019-06-15 11:10:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0110 C.
0111 +. TI 2019-06-15 11:14:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0114 C.
0115 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0116 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0117 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0118 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0119 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0120 C.
0121 C. *****
0122 C. TI 2019-06-15 11:14:59.5
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.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0129 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0130 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0131 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0132 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0136 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0137 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0138 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0139 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0140 C.
0141 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0142 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0143 C.
0144 C. RAM ID=TI_TBL 01-03; SET EDUMP 01-03; 01-03; 01-03;
0145 C.
0146 C. DHU 01-03; SET EDUMP 01-03; 01-03; 01-03;
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0150 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0151 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0152 C.                01-03; SET EDUMP 01-03; 01-03; 01-03;
0153 C.
0154 C. Stop EIS observation and temporarily disable EIS mode changes
0155 C.
0156 C.
0157 C. ***** Start EIS operation (TI set) *****
0158 C. Execute, after the success of OP upload.
0159 C. Set EIS TI-commands
0160 +. TI 2019-06-15 11:14:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC (21 02)
0163 +. TI 2019-06-15 11:14:40.0
0164 DC 07-FC EIS_MODE_CHG_DIS
0165 BC (22)
0166 C.                [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0167 C. ***** End EIS operation (TI set) *****
0168 C.
0169 C.
0170 C.
0171 C. ***** XRT START *****
0172 C. Execute, after the success of OP upload.
0173 +. TI 2019-06-15 11:14:00.0
0174 DC 07-F0 MDP_XRT_MODE_STBY
0175 BC (c3)
0176 C.                [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0177 C.
0178 C. ***** XRT END *****
0179 C.
0180 C. ***** MDP 01-03; SET EDUMP 01-03; 01-03; 01-03; *****
0181 C. (01-03; SET EDUMP 01-03; 01-03; 01-03;)
0182 C. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 C. ***** 01-03; SET EDUMP 01-03; 01-03; 01-03; *****
0187 C. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 C. ;ãLOS 01-03; SET EDUMP 01-03; 01-03; 01-03;
0192 C.
0193 C. ***** LOS *****

```





```

0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_CHG_ENA
0131 BC (20)
0132 . C. Verify EIS_MODE_CHG_FLG is ENA
0133 +. DC 07-FC EIS_MODE_MANU
0134 BC (21 02)
0135 . C. Verify EIS in MANUAL mode
0136 . C. Estimated OBSTBL upload time is 48s
0137 C. *****
0138 C. EIS START OBSTBL LOAD
0139 C. *****
0140 . S. RAM ram-820:EIS_OBSTBL
0141 ( )
0142 +. DC 07-FC EIS_DUMP_OBSTBL
0143 BC (07 07 07 00 00 70 00)
0144 C.
0145 C. Execute, after the success of OBSTBL upload.
0146 C. Set EIS TI-commands
0147 +. TI 2019-06-15 11:14:50.0
0148 DC 07-FC EIS_MODE_CHG_ENA
0149 BC (20)
0150 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0151 C. *****
0152 C. EIS END OBSTBL LOAD
0153 C. *****
0154 C.
0155 . C. ***** MDP [unclear] *****
0156 C. ( [unclear] )
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** [unclear] *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ; [unclear]
0167 C.
0168 . C. ***** LOS *****
0169 C.

```





```

0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 05 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 80 80 20 20)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 80 80 08 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 08 85 83 06 06)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 20 08)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 80 80 08 20)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 85 83 08 08)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0f 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 10 80 80 08 08)
0142 + DC 07-F0 MDP_XRT_FLD_DIS
0143 BC (d9)
0144 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0145 BC (c9)
0146 + DC 07-F0 MDP_XRT_ARS_DIS
0147 BC (d5)
0148 + DC 07-F0 MDP_XRT_AEC_RESET
0149 BC (d0)
0150 + DC 07-F0 MDP_XRT_FLD_RESET
0151 BC (da)
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 05)
0154 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0155 BC (c5 0d)
0156 . C. ----- Success Verify ? OK / NG ____
0157 C.
0158 C.
0159 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0160 C.
0161 +. DC 07-F0 MDP_XRT_MODE_OBSV
0162 BC (c2)
0163 +. TI 2019-06-15 11:14:02.0
0164 DC 07-F0 MDP_XRT_MODE_OBSV
0165 BC (c2)
0166 . C. ----- Success Verify ? OK / NG ____
0167 C.
0168 C. ***** XRT END *****
0169 C.
0170 . C. ***** MDP `úÃîïî»ö¼ÿðÊÃð¹ñèDCBC•x²è *****
0171 C. (¼ã°îÿÖÿÄÿËÿÏÿËÿÄÿÇÿÈÿ¼ã¼Ä»Û¹ñè)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ÿÐÿ¹•ï Daily±¿îÑñË´Ø¹ñèDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ-¼Ä»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

```

Jun 15, 19 12:31

XRT\_OGLIST\_0294.chk

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\*\*\* OP Sequence for XRT \*\*\*

2019/06/15	11:20:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	11:20:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	11:20:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/15	11:20:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/15	11:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/15	11:25:00.0	AOCS_Orе-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	04 03 02 01 ca		
2019/06/15	11:50:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/15	11:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/15	12:00:00.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	12:00:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	12:00:04.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/15	12:00:24.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/15	12:00:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/15	12:00:28.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/15	12:00:30.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/15	12:00:32.0	XRT_FLD_RESET_434_OG [0x1b2]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/15	12:03:02.0	XRT_QT_PROG_SET_446_OG [0x1be]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 07		
2019/06/15	12:03:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2019/06/15	12:03:06.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/15	12:58:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	12:58:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	12:58:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/15	12:58:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/15	13:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/15	13:28:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/15	13:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/15	14:37:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	14:37:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	14:37:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/15	14:37:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/15	14:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/15	15:08:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/15	15:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/15	16:15:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	16:15:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	16:15:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/15	16:15:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/15	16:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/15	16:57:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/15	16:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/15	17:38:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	17:38:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/15	17:38:58.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/15	17:39:00.0	AOCS_Orе-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/15	17:39:18.0	XRT_FLD_DIS_409_OG [0x199]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2019/06/15	17:39:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2019/06/15	17:39:22.0	XRT_ARS_DIS_443_OG [0x1bb]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/15	17:41:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]					

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2019/06/15	17:42:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06
2019/06/15	17:48:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	17:48:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	17:48:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	17:49:00.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2019/06/15	17:49:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 f7 1b b4	73
2019/06/15	17:49:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/15	17:49:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/15	17:49:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/15	17:49:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/15	17:51:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/15	17:51:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2019/06/15	17:52:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2019/06/15	17:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	17:53:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	17:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	17:53:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/15	17:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/15	18:34:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/15	18:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2019/06/15	19:32:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	19:32:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	19:32:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	19:32:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/15	19:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/15	20:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/15	20:10:30.0	XRT_Custom_430_OG [0x1ae]	AOCU_NM	5	02-76	00 b0 00 00	00
2019/06/15	20:11:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2019/06/15	20:40:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	20:40:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	20:40:04.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	20:40:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2019/06/15	20:40:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/15	20:40:28.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/15	20:40:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/15	20:40:32.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/15	20:43:02.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/15	20:43:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2019/06/15	20:43:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2019/06/15	21:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	21:10:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	21:10:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/15	21:10:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/15	21:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/15	21:48:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/15	21:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2019/06/15	22:48:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/15	22:48:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

2019/06/15	22:48:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/15	22:48:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/15	22:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/15	23:23:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/15	23:24:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/16	00:27:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	00:27:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	00:27:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/16	00:27:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/16	00:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/16	00:57:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/16	00:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/16	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/06/16	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2019/06/16	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/06/16	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/06/16	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/06/16	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/16	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/16	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2019/06/16	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/06/16	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/16	02:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	02:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	02:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/16	02:03:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/16	02:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/16	02:35:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/16	02:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/16	03:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	03:37:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	03:37:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/16	03:37:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/16	03:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/16	04:13:30.0	XRT_Custom_430_OG [0x1ae]								
2019/06/16	04:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/16	05:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	05:07:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	05:07:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/16	05:07:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/16	05:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/16	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/16	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/06/16	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2019/06/16	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				

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2019/06/16	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2019/06/16	06:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/16	06:02:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06
2019/06/16	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	06:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2019/06/16	06:10:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	50 00 00 00
2019/06/16	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/16	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/16	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/16	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/16	06:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	06:12:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2019/06/16	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2019/06/16	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	06:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	06:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	06:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	06:47:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	06:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	07:30:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	07:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	08:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	08:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	08:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	08:27:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	08:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	09:08:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	09:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	10:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	10:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	10:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	10:07:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	10:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	10:47:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	10:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	11:55:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	11:55:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	11:55:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	11:55:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	11:58:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	12:00:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	04	00 00 00 00
2019/06/16	12:25:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	12:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	12:34:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	12:34:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	12:34:04.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2019/06/16	12:34:24.0	XRT_FLD_ENA_411_OG [0x19b]					

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2019/06/16	12:34:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/16	12:34:28.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/16	12:34:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/16	12:34:32.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	12:37:02.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
2019/06/16	12:37:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2019/06/16	12:37:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	13:34:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	13:34:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	13:34:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	13:34:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	13:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	14:03:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	14:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	15:12:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	15:12:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	15:12:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	15:12:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	15:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	15:45:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	15:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	16:50:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	16:50:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	16:50:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	16:50:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	16:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	17:32:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	17:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	18:02:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:02:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:02:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2019/06/16	18:02:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00	00
2019/06/16	18:02:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2019/06/16	18:02:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2019/06/16	18:02:52.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/16	18:05:28.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06
2019/06/16	18:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	18:12:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:12:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:12:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2019/06/16	18:12:30.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 b0 00 00	00
2019/06/16	18:12:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/16	18:12:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/16	18:12:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/16	18:12:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/16	18:12:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	18:15:26.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2019/06/16	18:15:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]					

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2019/06/16	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	18:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	18:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	18:29:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	18:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	19:08:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	19:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	20:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	20:07:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	20:07:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	20:07:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	20:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	20:45:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	20:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	21:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	21:45:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	21:45:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	21:45:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	21:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	22:22:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	22:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/16	23:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	23:24:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/16	23:24:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/16	23:24:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/16	23:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/16	23:56:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/16	23:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	01:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	01:02:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	01:02:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	01:02:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	01:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	01:32:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/17	01:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2019/06/17	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00 00 00 00
2019/06/17	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/17	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/17	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/17	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/17	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12
2019/06/17	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2019/06/17	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	02:36:30.0	XRT_CTRL_MANU_400_OG [0x190]					



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2019/06/17	02:36:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	02:36:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	02:36:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/17	02:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/17	03:10:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/17	03:11:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]						
2019/06/17	04:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/17	04:08:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	04:08:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	04:08:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/17	04:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/17	04:49:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/17	04:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]						
2019/06/17	05:43:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/17	05:43:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	05:43:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	05:43:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/17	05:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/17	06:32:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/17	06:32:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_MANU_402_OG [0x192]						
2019/06/17	06:32:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	06:33:00.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/06/17	06:33:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCS_Ore-point_Start_2_OG [0x098]						
2019/06/17	06:33:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	AOCU_NM	5	02-76	00 00 00 00 00			
2019/06/17	06:33:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2019/06/17	06:35:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2019/06/17	06:36:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/06/17	06:42:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2019/06/17	06:42:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_AUTO_408_OG [0x198]						
2019/06/17	06:42:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/17	06:43:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	06:43:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	06:43:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/06/17	06:43:22.0	XRT_AEC_RESET_448_OG [0x1c0]	AOCS_Ore-point_Start_7_OG [0x09d]						
2019/06/17	06:43:24.0	XRT_ARS_DIS_423_OG [0x1a7]	AOCU_NM	5	02-76	00 03 02 01 ca			
2019/06/17	06:43:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2019/06/17	06:45:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2019/06/17	06:45:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2019/06/17	06:46:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/06/17	07:23:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/17	07:23:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f			
2019/06/17	07:23:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2019/06/17	07:23:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	XRT_CTRL_AUTO_408_OG [0x198]						
2019/06/17	07:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/17	08:05:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	08:06:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/17	09:03:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/06/17	09:03:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/17	09:03:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			

2019/06/17	09:03:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	09:03:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	09:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	09:44:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	09:45:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	10:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	10:44:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	10:44:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	10:44:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	10:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	11:22:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	11:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	12:30:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	12:30:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	12:30:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	12:30:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	12:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	13:00:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	13:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	14:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	14:09:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	14:09:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	14:09:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	14:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	14:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	14:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	15:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	15:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	15:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	15:47:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	15:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	16:30:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	16:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	17:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	17:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	17:25:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	17:25:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/17	17:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/17	18:06:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/17	18:06:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	18:06:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/17	18:06:30.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2019/06/17	18:06:48.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00	
2019/06/17	18:06:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2019/06/17	18:06:52.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2019/06/17	18:09:28.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/17	18:09:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2019/06/17	18:16:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/17	18:16:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

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2019/06/17	18:16:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	18:16:30.0	AOCS_Ore-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/06/17	18:16:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 03 02 01 ca
2019/06/17	18:16:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2019/06/17	18:16:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/06/17	18:16:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/06/17	18:16:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/06/17	18:19:26.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/17	18:19:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2019/06/17	18:19:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/06/17	19:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/17	19:04:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	19:04:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	19:04:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/17	19:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/17	19:43:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/17	19:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	5	02-76	02 00 00 00 00
2019/06/17	20:42:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/17	20:42:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	20:42:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	20:42:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/17	20:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/17	21:00:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/17	21:20:30.0	XRT_Custom_430_OG [0x1ae]	AOCU_NM	5	02-76	02 00 00 00 00
2019/06/17	21:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	5	02-76	02 00 00 00 00
2019/06/17	21:33:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/17	21:33:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	21:33:04.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	21:33:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/06/17	21:33:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	XRT_FLD_ENA_411_OG [0x19b]	1	07-F0	d8
2019/06/17	21:33:28.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/06/17	21:33:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/06/17	21:33:32.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/06/17	21:36:02.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/17	21:36:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2019/06/17	21:36:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/06/17	22:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/17	22:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	22:21:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	22:21:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/17	22:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/17	22:56:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/17	22:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	5	02-76	02 00 00 00 00
2019/06/17	23:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/17	23:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	23:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/17	23:59:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/18	00:00:00.0	AOCS_Ore-point_Start_9_OG [0x09f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8

2019/06/18	00:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	AOCU_NM	5	02-76	03	00	00	00	00
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2019/06/18	00:29:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/18	00:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	00:35:01.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	00:35:03.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	00:35:05.0	XRT_FOCUS_POSITION_406_OG [0x196]								
			XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/18	00:35:25.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0		d8			
2019/06/18	00:35:27.0	XRT_FLRCTRL_ENA_412_OG [0x19c]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2019/06/18	00:35:29.0	XRT_AEC_RESET_448_OG [0x1c0]								
			MDP_XRT_AEC_RESET	1	07-F0		d0			
2019/06/18	00:35:31.0	XRT_ARS_DIS_423_OG [0x1a7]								
			MDP_XRT_ARS_DIS	1	07-F0		d5			
2019/06/18	00:35:33.0	XRT_FLD_RESET_434_OG [0x1b2]								
			MDP_XRT_FLD_RESET	1	07-F0		da			
2019/06/18	00:38:03.0	XRT_QT_PROG_SET_416_OG [0x1a0]								
			MDP_XRT_QT_PROG_SET	2	07-F0		c4	0a		
2019/06/18	00:38:05.0	XRT_FL_PROG_SET_440_OG [0x1b8]								
			MDP_XRT_FL_PROG_SET	2	07-F0		c5	0d		
2019/06/18	00:38:07.0	XRT_CTRL_AUTO_408_OG [0x198]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	01:37:30.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	01:37:32.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	01:37:34.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0		da			
2019/06/18	01:37:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]								
			MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2019/06/18	01:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2019/06/18	02:07:30.0	XRT_Custom_430_OG [0x1ae]								
2019/06/18	02:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]								
			XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/18	03:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]								
			AOCU_NM	5	02-76	00	00	00	00	00
2019/06/18	03:00:18.0	XRT_FLD_ENA_411_OG [0x19b]								
			MDP_XRT_FLD_ENA	1	07-F0		d8			
2019/06/18	03:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]								
			MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2019/06/18	03:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]								
			MDP_XRT_AEC_RESET	1	07-F0		d0			
2019/06/18	03:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]								
			MDP_XRT_ARS_DIS	1	07-F0		d5			
2019/06/18	03:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]								
			MDP_XRT_FLD_RESET	1	07-F0		da			
2019/06/18	03:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]								
			MDP_XRT_QT_PROG_SET	2	07-F0		c4	12		
2019/06/18	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]								
			MDP_XRT_FL_PROG_SET	2	07-F0		c5	0d		
2019/06/18	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	03:10:00.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	03:10:02.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	03:10:04.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0		da			
2019/06/18	03:10:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]								
			MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2019/06/18	03:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2019/06/18	03:46:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/18	03:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	04:39:00.0	XRT_CTRL_MANU_400_OG [0x190]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	04:39:02.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2019/06/18	04:39:04.0	XRT_FLD_RESET_415_OG [0x19f]								
			MDP_XRT_FLD_RESET	1	07-F0		da			
2019/06/18	04:39:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]								
			MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2019/06/18	04:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2019/06/18	05:24:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/18	05:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2019/06/18	05:51:54.0	XRT_CTRL_MANU_402_OG [0x192]								
			MDP_XRT_CTRL_MANU	1	07-F0		c1			

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2019/06/18	05:51:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	05:51:58.0	XRT_FOCUS_RECALIBRATE_414_OG [0x19e]							
		XRT_FOCUS_RECAL	2	07-F8	78 00				
2019/06/18	05:52:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/06/18	05:55:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/06/18	05:56:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/06/18	05:56:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/06/18	05:56:22.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/18	05:58:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2019/06/18	05:59:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/18	06:01:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	06:01:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	06:01:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/06/18	06:02:00.0	AOCS_ORe-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00 03 02 01 ca				
2019/06/18	06:02:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/06/18	06:02:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/06/18	06:02:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/06/18	06:02:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/18	06:02:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/18	06:04:56.0	XRT_QT_PROG_SET_403_OG [0x193]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2019/06/18	06:04:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/06/18	06:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/18	06:19:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	06:19:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	06:19:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/18	06:19:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/18	06:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/18	07:02:30.0	XRT_Custom_430_OG [0x1ae]							
2019/06/18	07:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/18	07:59:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	07:59:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	07:59:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/18	07:59:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/18	08:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/18	08:41:00.0	XRT_Custom_430_OG [0x1ae]							
2019/06/18	08:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/18	09:39:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	09:39:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	09:39:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/18	09:39:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/18	09:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/18	10:19:00.0	XRT_Custom_430_OG [0x1ae]							
2019/06/18	10:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/18	11:21:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	11:21:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/18	11:21:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/18	11:21:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/18	11:24:30.0	XRT_Custom_430_OG [0x1ae]							
2019/06/18	11:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/18	11:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							

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2019/06/18	11:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
			MDP_XRT_CTRL_MANU	1	07-F0	c1					
2019/06/18	11:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1					
2019/06/18	11:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da					
2019/06/18	11:27:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2019/06/18	11:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2019/06/18	11:57:30.0	XRT_Custom_430_OG [0x1ae]									
2019/06/18	11:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2019/06/18	12:23:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00					