

XRT Timeline to be uploaded on 2018/07/31

Period: 2018/07/31 10:59:00 - 2018/08/09 11:35:00

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Normal mode

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XOB #1B8B: Synoptic Q95 2x2 - Al/mesh(64/512/2048) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + T

Term	Pointing (x, y)	Comment
07/31 18:23:00 - 07/31 18:35:00	Fixed (0.0, 0.0)	synoptic, shifted.
08/01 07:19:00 - 08/01 07:25:54	Fixed (0.0, 0.0)	# HOP 349 (XRT disk center) + synoptic + SOT flat-fields.
08/01 19:03:00 - 08/01 19:10:30	Fixed (0.0, 0.0)	synoptic, shifted.
08/02 17:58:00 - 08/02 18:08:00	Fixed (0.0, 0.0)	synoptic
08/03 06:08:30 - 08/03 06:15:24	Fixed (0.0, 0.0)	synoptic, shifted 5.5 min
08/03 18:33:00 - 08/03 18:43:30	Fixed (0.0, 0.0)	synoptic, shifted.
08/04 05:36:30 - 08/04 05:43:24	Fixed (0.0, 0.0)	synoptic, shifted -26.5 min
08/04 18:26:00 - 08/04 18:32:54	Fixed (0.0, 0.0)	synoptic, shifted 23.0 min
08/05 05:56:00 - 08/05 06:02:54	Fixed (0.0, 0.0)	synoptic, shifted -7.0 min
08/05 18:03:00 - 08/05 18:09:54	Fixed (0.0, 0.0)	synoptic
08/06 03:53:00 - 08/06 03:58:30	Fixed (0.0, 0.0)	synoptic, shifted.
08/07 04:03:00 - 08/07 04:09:54	Fixed (0.0, 0.0)	synoptic, shifted.

PROG= 02 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= 27 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 2.00s 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= 85 1-time(s) 2.0sec										
├ thin-Be/Open thin-Be/Open close Safe Norm 354ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec										
├ thin-Be/Open thin-Be/Open close Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec										
├ thin-Be/Open thin-Be/Open close Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec										
Seqn= 23 1-time(s) 2.0sec										
├ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec										
├ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec										
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval										

XOB #1C04: Stray light study 2018-10 ;Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad) - longer loop

Term	Pointing (x, y)	Comment
07/31 18:37:30 - 07/31 18:49:54	Fixed (0.0, 870.0)	# XRT stray-light measurement (N pole).
08/01 19:13:00 - 08/01 19:24:54	Fixed (0.0, -945.0)	# XRT stray-light measurement (S pole).
08/02 18:10:30 - 08/02 18:22:54	Fixed (-945.0, 0.0)	# XRT stray-light measurement (E limb).
08/03 18:46:00 - 08/03 18:59:54	Fixed (910.0, 0.0)	# XRT stray-light measurement (W limb).

PROG= 08 1-time(s)

Subr= 2 20-time(s) 2.0sec										
├ Seqn= 79 1-time(s) 10.0sec										
├ Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec										
├ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec										
Subr= 3 10-time(s) 2.0sec										
├ Seqn= 61 1-time(s) 2.0sec										
├ Open/Al-mesh Open/Ti-poly close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec										
├ Al-poly/Open Al-poly/Open close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec										
├ Seqn= 79 3-time(s) 10.0sec										
├ Open/Al-mesh Open/thick-Al close Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec										
├ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (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 #1AEC: G-Band Alignment with North Pole Q90 2x2 (G-band and VLS=CLS) - 1msec (Al/poly) - 4096msec - 5min cadence - Partial Sun-wNGT

Term	Pointing (x, y)	Comment
07/31 19:05:00 - 07/31 20:49:54	Fixed (0.0, 930.0)	# Coalignment at the North Pole.

PROG= 07 1-time(s)

Subr= 1 24-time(s) 300.0sec										
├ Seqn= 98 1-time(s) 2.0sec										
├ Open/G-band Open/G-band open Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec										
├ Seqn= 63 1-time(s) 2.0sec										
├ Open/G-band Open/G-band close Safe Norm 1ms Obs 2x2 2048x1536 (1024, 768) Q=90 0 0 2.0sec										
├ Seqn= 45 1-time(s) 2.0sec										
├ Al-poly/Open med-Be/Open close Safe Norm 4.00s Obs 2x2 2048x1536 (1024, 768) Q=95 0 0 2.0sec										
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval										

XOB #1AED: G-Band Alignment with East limb Q90 2x2 (G-band and VLS=CLS) - 1msec - (Al/poly) 1443msec - 8 min cadence-wNGT												
Term	Pointing (x, y)		Comment									
07/31 21:05:00 - 07/31 22:49:54	Fixed (-970.0, 0.0)		# Coalignment at the East limb.									
PROG= 01 1-time(s)												
└─ Subr= 1 15-time(s) 480.0sec												
└─ Seqn= 19 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	2x2	1536x2048	(1280, 1024)	Q=90	0 0 2.0sec
└─ Seqn= 43 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	2x2	1536x2048	(1280, 1024)	Q=90	0 0 2.0sec
└─ Seqn= 70 1-time(s) 2.0sec												
	Al-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	1536x2048	(1280, 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 #1B94: 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 first)												
Term	Pointing (x, y)		Comment									
07/31 22:53:00 - 08/01 02:44:30	Track (-704.9, -231.0) ^{07/31 22:50:00}		# AR obs.									
08/01 19:53:00 - 08/02 02:59:54	Track (-571.1, -244.7) ^{08/01 19:25:00}		# AR obs.									
PROG= 11 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 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
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer Interval

XOB #1BEA: HOP349 - 3-filter Synoptics (Al-mesh[24/256/2897], Al-poly[45/512/4096], thin-Be[1024/11571/23142] with 512x512 G-band+Leak - 45min cad) +												
Term	Pointing (x, y)		Comment									
08/01 03:16:30 - 08/01 07:15:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center) + synoptic + SOT flat-fields.									
08/02 03:03:00 - 08/02 05:59:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/03 03:03:00 - 08/03 05:24:30	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/04 02:33:00 - 08/04 05:33:24	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/05 03:03:00 - 08/05 05:52:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/06 02:03:00 - 08/06 03:49:54	Fixed (0.0, 0.0)		# HOP 173.									
08/06 04:34:30 - 08/06 05:32:30	Fixed (0.0, 0.0)		# HOP 173.									
08/07 02:03:00 - 08/07 03:59:54	Fixed (0.0, 0.0)		# HOP 173.									
08/07 04:13:00 - 08/07 05:59:54	Fixed (0.0, 0.0)		# HOP 173									
PROG= 03 Inf.-time(s)												
└─ Subr= 1 1-time(s) 300.0sec												
└─ Seqn= 1 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 99 1-time(s) 2.0sec												
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0 0 2.0sec
└─ Seqn= 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= 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) 150.0sec												
└─ Seqn= 8 1-time(s) 2.0sec												
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3 0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2 0 2.0sec
└─ Seqn= 6 1-time(s) 2.0sec												
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3 0 2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2 0 2.0sec
└─ Seqn= 29 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3 0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	2 0 2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer Interval

XOB #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)												
Term	Pointing (x, y)		Comment									
08/01 07:29:00 - 08/01 09:59:54	Track (123.7, -160.5) ^{08/01 07:26:00}		# EIS spectral atlas on Quiet Sun.									
08/01 10:03:00 - 08/01 14:18:30	Track (147.0, -160.3) ^{08/01 10:00:00}		# EIS sensitivity monitoring.									
08/01 14:50:00 - 08/01 18:59:54	Track (-485.6, 191.4) ^{08/01 14:00:00}		# BP observations									

PROG= 19 Inf.-time(s)

Subr= 1		1-time(s)	2.0sec											
Seqn= 30		1-time(s)	2.0sec											
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec	
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec	
Subr= 2		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 #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
08/02 06:03:00 - 08/02 06:09:54	Fixed (0.0, 0.0)	synoptic
08/06 18:00:00 - 08/06 18:06:54	Fixed (0.0, 0.0)	synoptic, shifted -3.0 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		

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
08/02 06:13:00 - 08/02 17:54:54	Track (-491.8, -250.8) @ 08/02 06:10:00	# AR obs.
08/02 18:51:00 - 08/03 02:59:54	Track (-395.3, -256.8) @ 08/02 18:23:00	# AR obs.
08/03 06:18:30 - 08/03 18:29:54	Track (-296.1, -261.4) @ 08/03 06:15:30	# AR obs.
08/03 19:26:00 - 08/04 02:29:54	Track (-185.4, -265.1) @ 08/03 19:00:00	# AR obs.
08/04 05:46:30 - 08/04 17:43:30	Track (-89.8, -267.1) @ 08/04 05:43:30	# AR obs.
08/04 18:36:00 - 08/05 02:59:54	Track (25.6, -268.1) @ 08/04 18:33:00	# AR obs.
08/05 06:06:00 - 08/05 17:59:54	Track (128.8, -267.7) @ 08/05 06:03:00	# AR obs.
08/05 18:13:00 - 08/05 21:36:00	Track (235.8, -266.0) @ 08/05 18:10:00	# AR obs.
08/06 06:13:00 - 08/06 09:59:54	Track (337.2, -263.0) @ 08/06 06:00:00	# AR obs.
08/06 18:10:00 - 08/06 20:33:00	Track (436.5, -258.6) @ 08/06 18:07:00	# AR obs.
08/07 06:03:00 - 08/07 08:55:00	Track (527.9, -253.0) @ 08/07 06:00:00	# AR obs.

PROG= 12 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 #1BE9: HOP81/206 2-filter - Al/poly 16s, Al/mesh 12s 30s cadence, G-band - 384x384 1ms												
Term	Pointing (x, y)		Comment									
08/05 22:12:30 - 08/06 01:59:54	Fixed (0.0, 895.0)		# EIS spicule observations with IRIS.									
08/06 21:10:30 - 08/07 01:59:54	Fixed (0.0, 895.0)		# EIS spicules observations with IRIS.									
PROG= 20 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									
08/06 10:03:00 - 08/06 13:59:30	Fixed (-18.0, 481.0)		# HOP 336 (Cycle 25 bright points).									
08/06 14:24:30 - 08/06 17:56:54	Fixed (-18.0, -786.0)		# HOP 336 (Cycle 25 bright points).									
PROG= 17 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	

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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									
07/31 22:53:00 - 08/01 02:44:30	Track (-704.9, -231.0) ^{Ⓜ 07/31 22:50:00}		# AR obs.									
08/01 03:16:30 - 08/01 07:15:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center) + synoptic + SOT flat-fields.									
08/01 07:29:00 - 08/01 09:59:54	Track (123.7, -160.5) ^{Ⓜ 08/01 07:26:00}		# EIS spectral atlas on Quiet Sun.									
08/01 10:03:00 - 08/01 14:18:30	Track (147.0, -160.3) ^{Ⓜ 08/01 10:00:00}		# EIS sensitivity monitoring.									
08/01 14:50:00 - 08/01 18:59:54	Track (-485.6, 191.4) ^{Ⓜ 08/01 14:00:00}		# BP observations									
08/01 19:53:00 - 08/02 02:59:54	Track (-571.1, -244.7) ^{Ⓜ 08/01 19:25:00}		# AR obs.									
08/02 03:03:00 - 08/02 05:59:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/02 06:13:00 - 08/02 17:54:54	Track (-491.8, -250.8) ^{Ⓜ 08/02 06:10:00}		# AR obs.									
08/02 18:51:00 - 08/03 02:59:54	Track (-395.3, -256.8) ^{Ⓜ 08/02 18:23:00}		# AR obs.									
08/03 03:03:00 - 08/03 05:24:30	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/03 06:18:30 - 08/03 18:29:54	Track (-296.1, -261.4) ^{Ⓜ 08/03 06:15:30}		# AR obs.									
08/03 19:26:00 - 08/04 02:29:54	Track (-185.4, -265.1) ^{Ⓜ 08/03 19:00:00}		# AR obs.									
08/04 02:33:00 - 08/04 05:33:24	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/04 05:46:30 - 08/04 17:43:30	Track (-89.8, -267.1) ^{Ⓜ 08/04 05:43:30}		# AR obs.									
08/04 18:36:00 - 08/05 02:59:54	Track (25.6, -268.1) ^{Ⓜ 08/04 18:33:00}		# AR obs.									
08/05 03:03:00 - 08/05 05:52:54	Fixed (0.0, 0.0)		# HOP 349 (XRT disk center).									
08/05 06:06:00 - 08/05 17:59:54	Track (128.8, -267.7) ^{Ⓜ 08/05 06:03:00}		# AR obs.									
08/05 18:13:00 - 08/05 21:36:00	Track (235.8, -266.0) ^{Ⓜ 08/05 18:10:00}		# AR obs.									
08/05 22:12:30 - 08/06 01:59:54	Fixed (0.0, 895.0)		# EIS spicule observations with IRIS.									
08/06 02:03:00 - 08/06 03:49:54	Fixed (0.0, 0.0)		# HOP 173.									
08/06 04:34:30 - 08/06 05:32:30	Fixed (0.0, 0.0)		# HOP 173.									
08/06 06:13:00 - 08/06 09:59:54	Track (337.2, -263.0) ^{Ⓜ 08/06 06:00:00}		# AR obs.									
08/06 10:03:00 - 08/06 13:59:30	Fixed (-18.0, 481.0)		# HOP 336 (Cycle 25 bright points).									
08/06 14:24:30 - 08/06 17:56:54	Fixed (-18.0, -786.0)		# HOP 336 (Cycle 25 bright points).									
08/06 18:10:00 - 08/06 20:33:00	Track (436.5, -258.6) ^{Ⓜ 08/06 18:07:00}		# AR obs.									
08/06 21:10:30 - 08/07 01:59:54	Fixed (0.0, 895.0)		# EIS spicules observations with IRIS.									
08/07 02:03:00 - 08/07 03:59:54	Fixed (0.0, 0.0)		# HOP 173.									
08/07 04:13:00 - 08/07 05:59:54	Fixed (0.0, 0.0)		# HOP 173									
08/07 06:03:00 - 08/07 08:55:00	Track (527.9, -253.0) ^{Ⓜ 08/07 06:00:00}		# 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

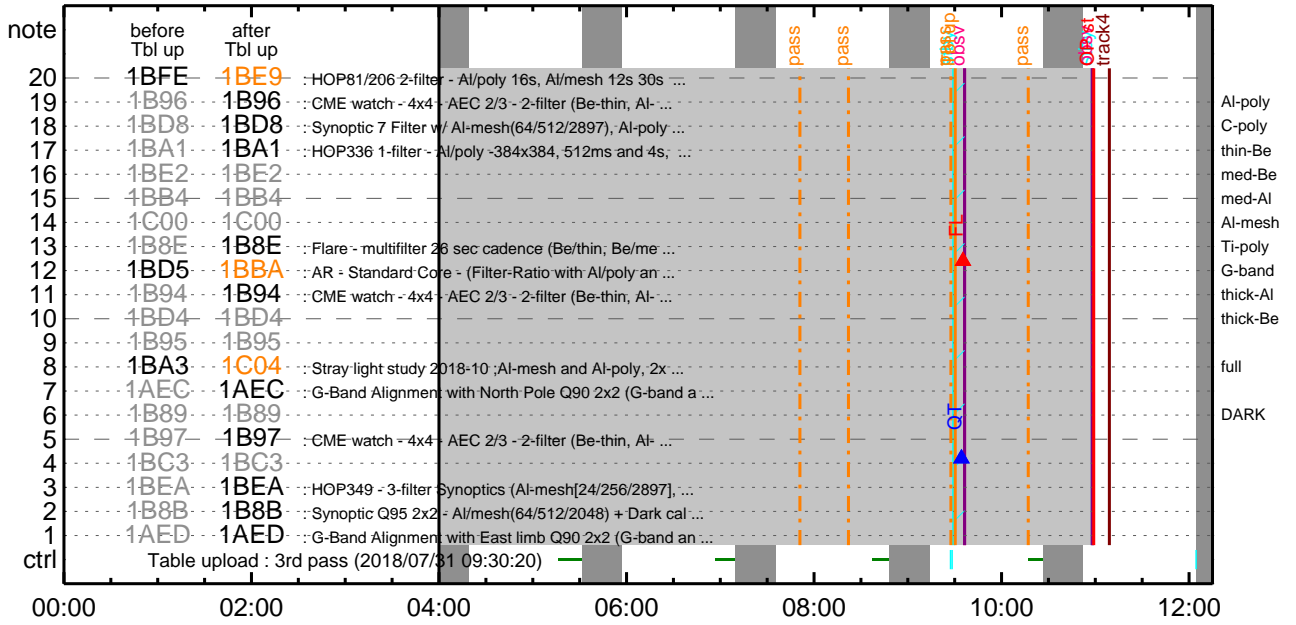
* * * * *

Flare Detection

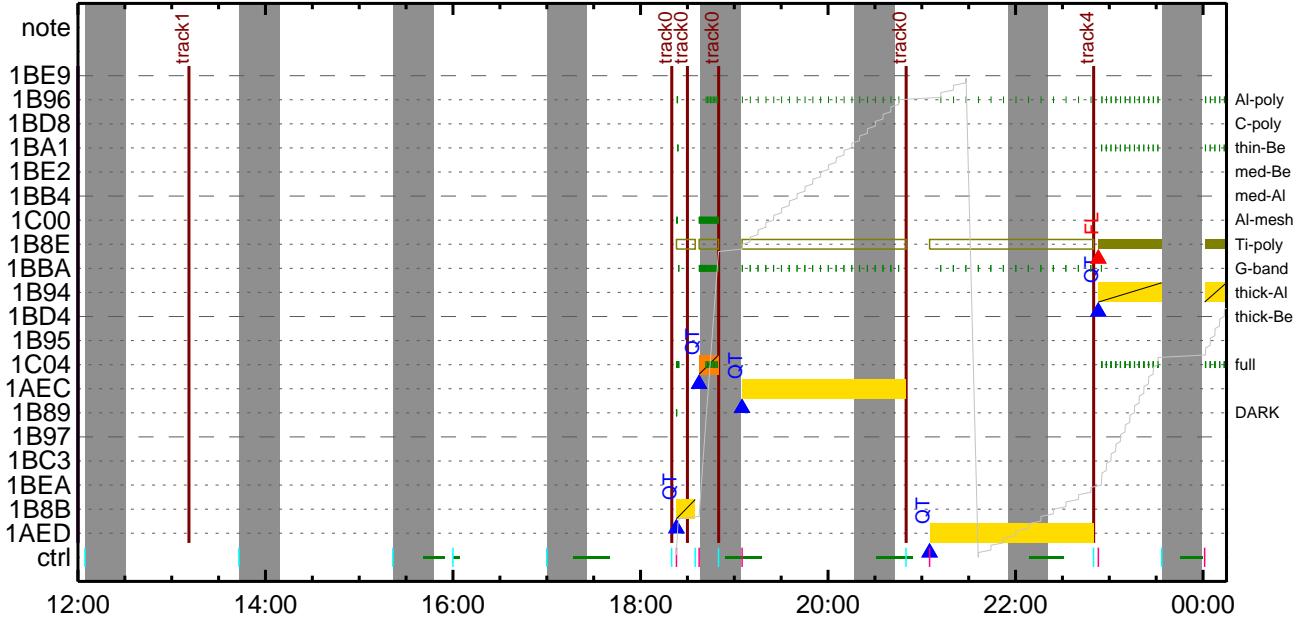
* * * * *

FLD Patrol												
Term		Pointing (x, y)					Comment					
07/31 22:50:16 - 08/01 07:16:16		Track (-704.9, -231.0) [Ⓢ] 07/31 22:50:00					# AR obs.					
08/01 07:26:16 - 08/01 19:00:16		Track (123.7, -160.5) [Ⓢ] 08/01 07:26:00					# EIS spectral atlas on Quiet Sun.					
08/01 19:25:16 - 08/02 06:00:18		Track (-571.1, -244.7) [Ⓢ] 08/01 19:25:00					# AR obs.					
08/02 06:10:16 - 08/02 17:55:16		Track (-491.8, -250.8) [Ⓢ] 08/02 06:10:00					# AR obs.					
08/02 18:23:16 - 08/03 06:05:46		Track (-395.3, -256.8) [Ⓢ] 08/02 18:23:00					# AR obs.					
08/03 06:15:46 - 08/03 18:30:16		Track (-296.1, -261.4) [Ⓢ] 08/03 06:15:30					# AR obs.					
08/03 19:00:16 - 08/04 05:33:46		Track (-185.4, -265.1) [Ⓢ] 08/03 19:00:00					# AR obs.					
08/04 05:43:46 - 08/04 18:23:16		Track (-89.8, -267.1) [Ⓢ] 08/04 05:43:30					# AR obs.					
08/04 18:33:16 - 08/05 05:53:16		Track (25.6, -268.1) [Ⓢ] 08/04 18:33:00					# AR obs.					
08/05 06:03:16 - 08/05 18:00:16		Track (128.8, -267.7) [Ⓢ] 08/05 06:03:00					# AR obs.					
08/05 18:10:16 - 08/06 03:50:16		Track (235.8, -266.0) [Ⓢ] 08/05 18:10:00					# AR obs.					
08/06 04:00:16 - 08/06 17:57:18		Fixed (0.0, 0.0)					# HOP 173.					
08/06 18:07:16 - 08/07 04:00:16		Track (436.5, -258.6) [Ⓢ] 08/06 18:07:00					# AR obs.					
08/07 04:10:16 - 08/09 11:35:00		Fixed (0.0, 0.0)					# HOP 173					
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

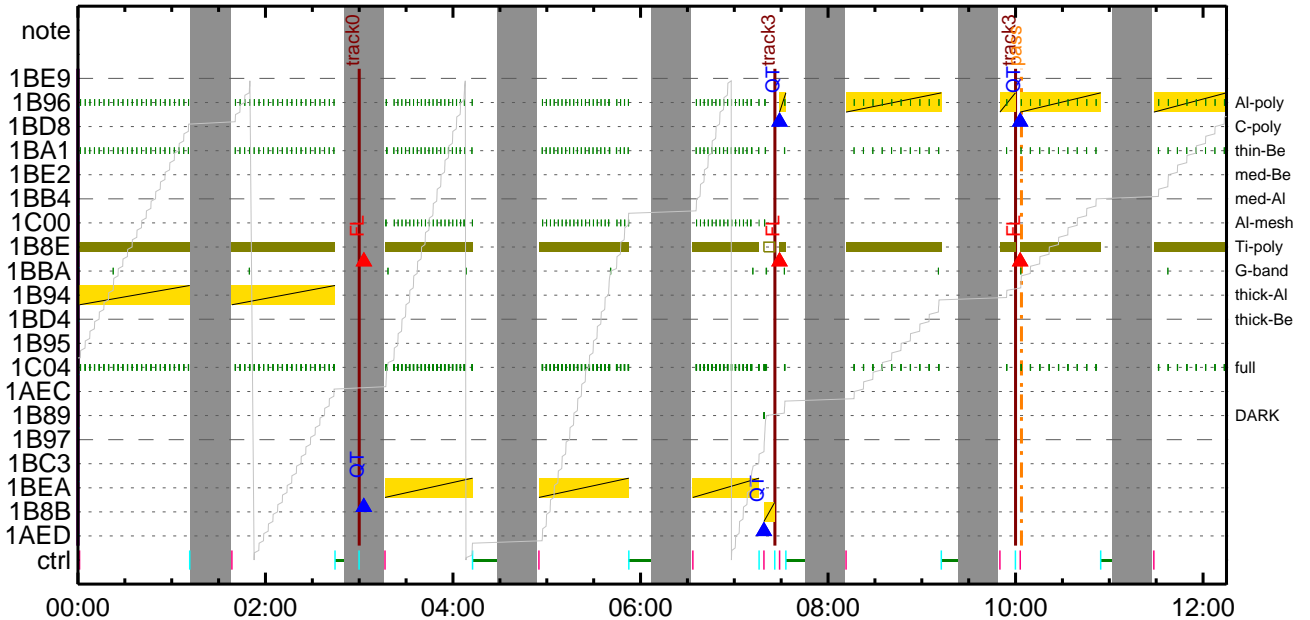
CMDI #0659 2018/07/31



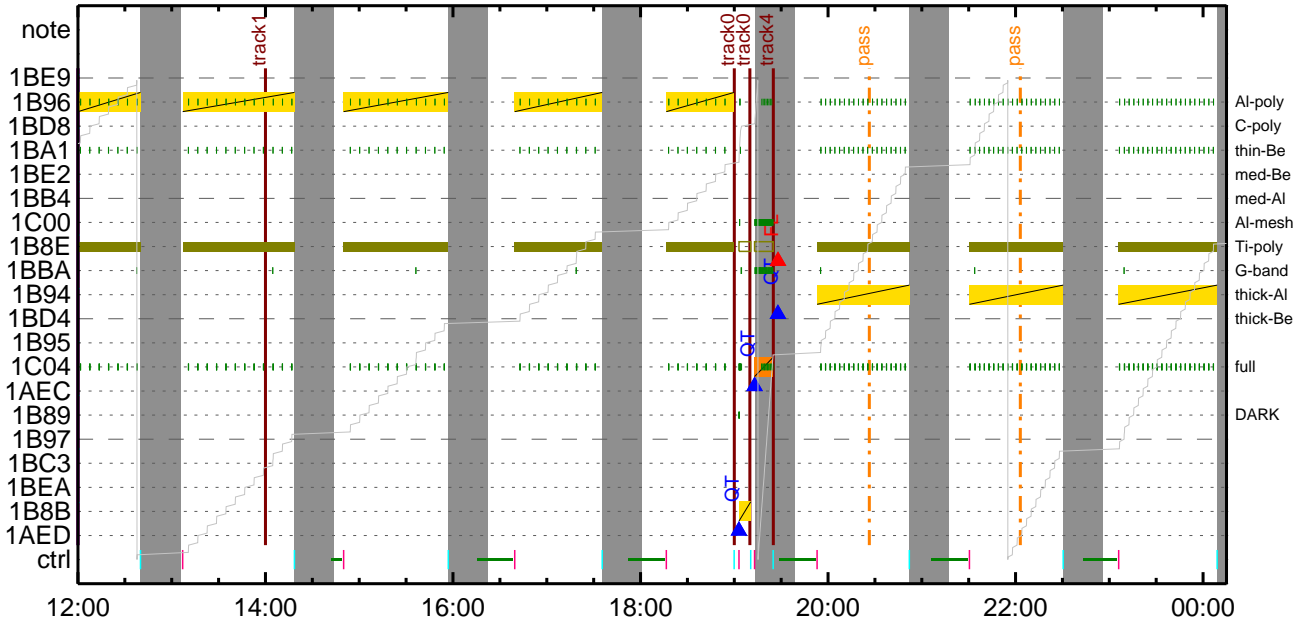
CMDI #0659 2018/07/31



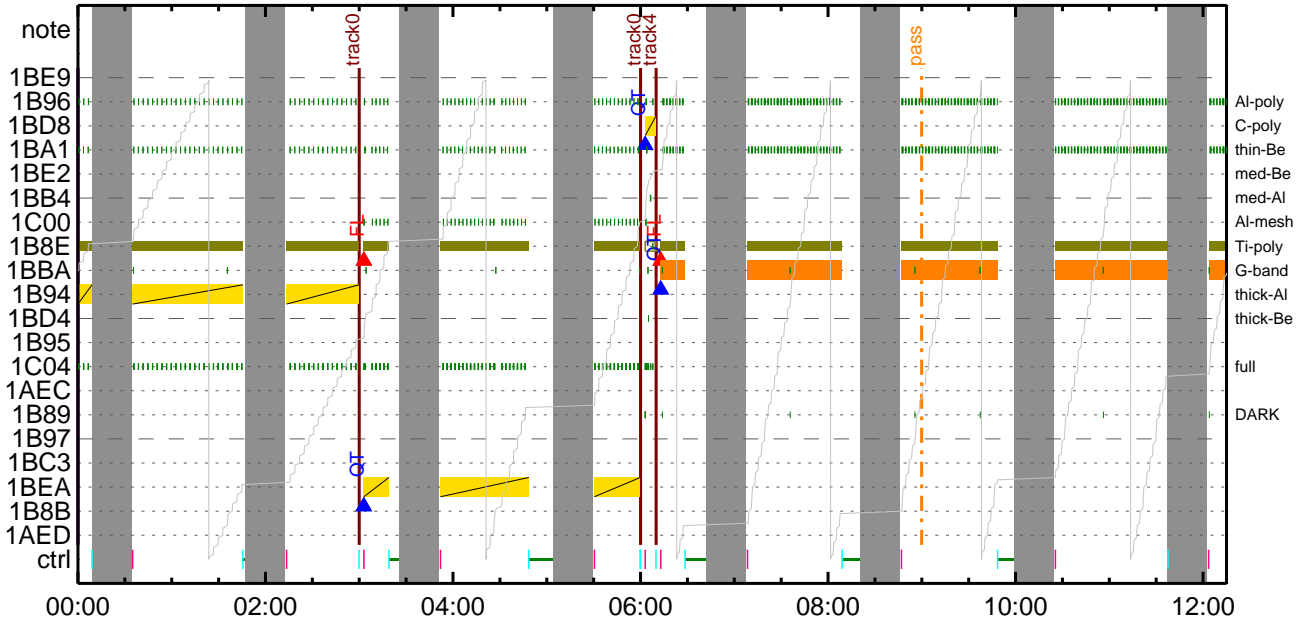
CMDI #0659 2018/08/01



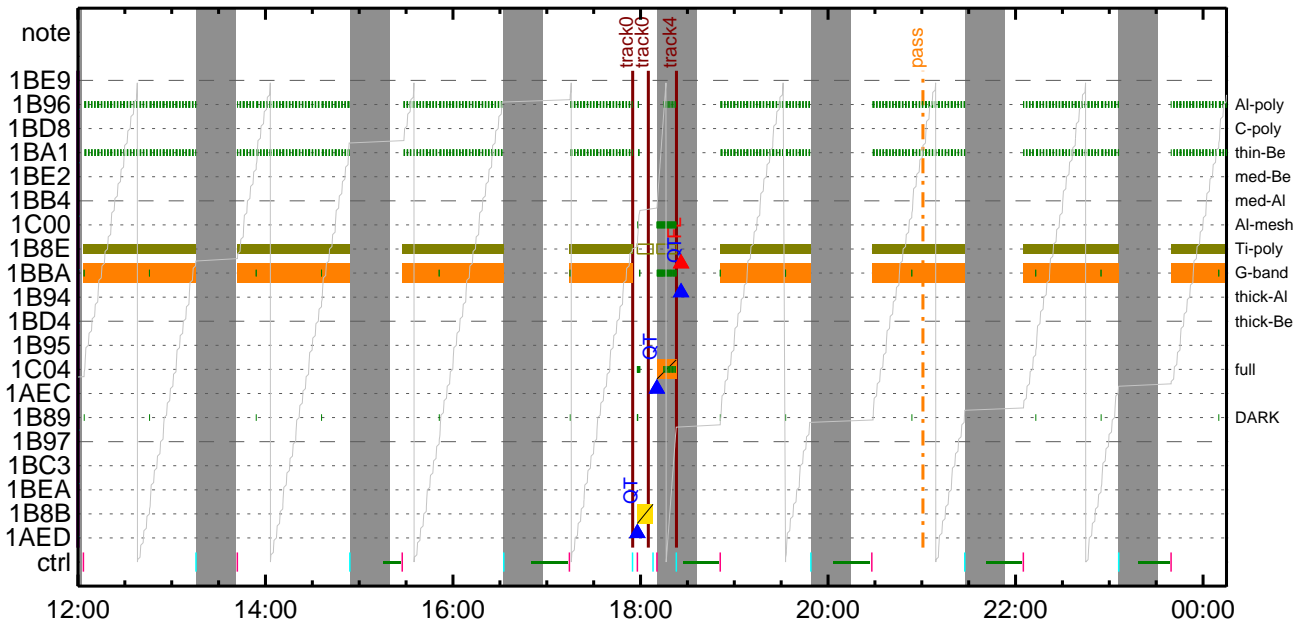
CMDI #0659 2018/08/01



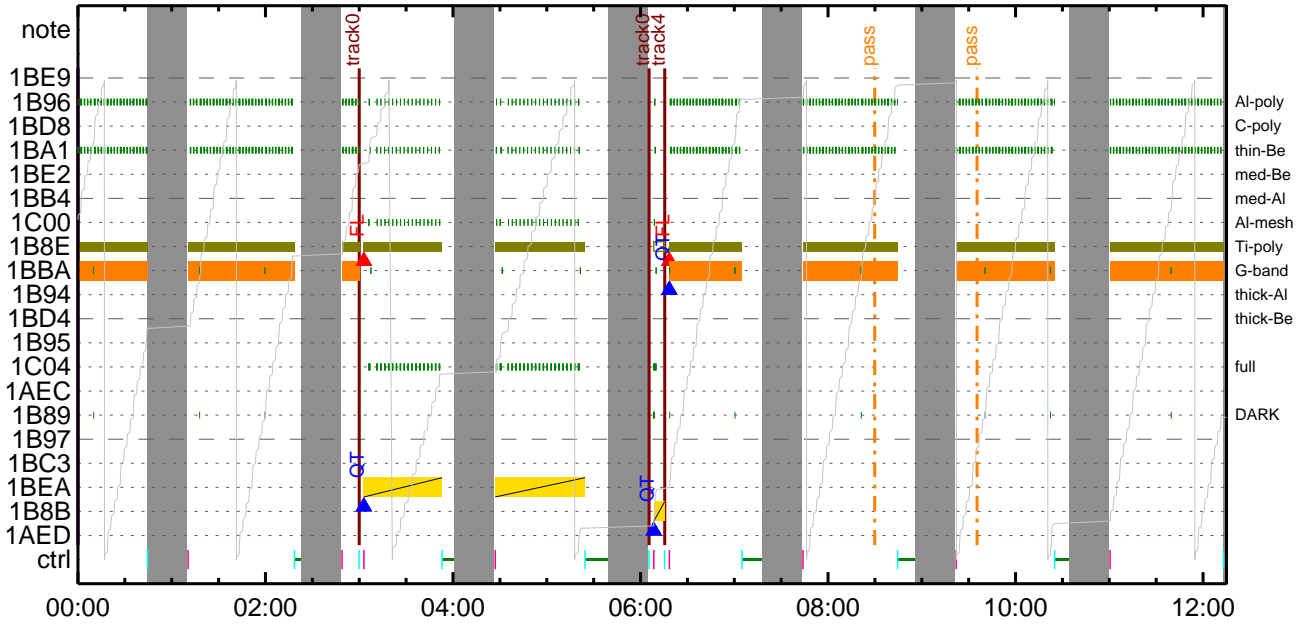
CMDI #0659 2018/08/02



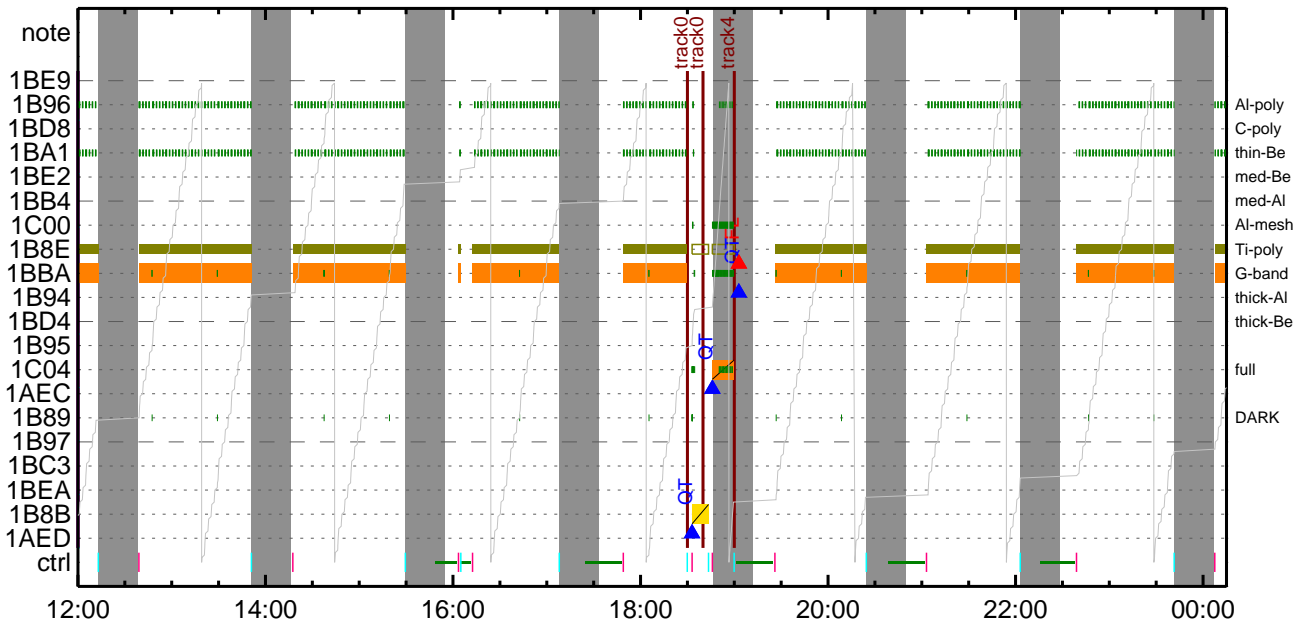
CMDI #0659 2018/08/02



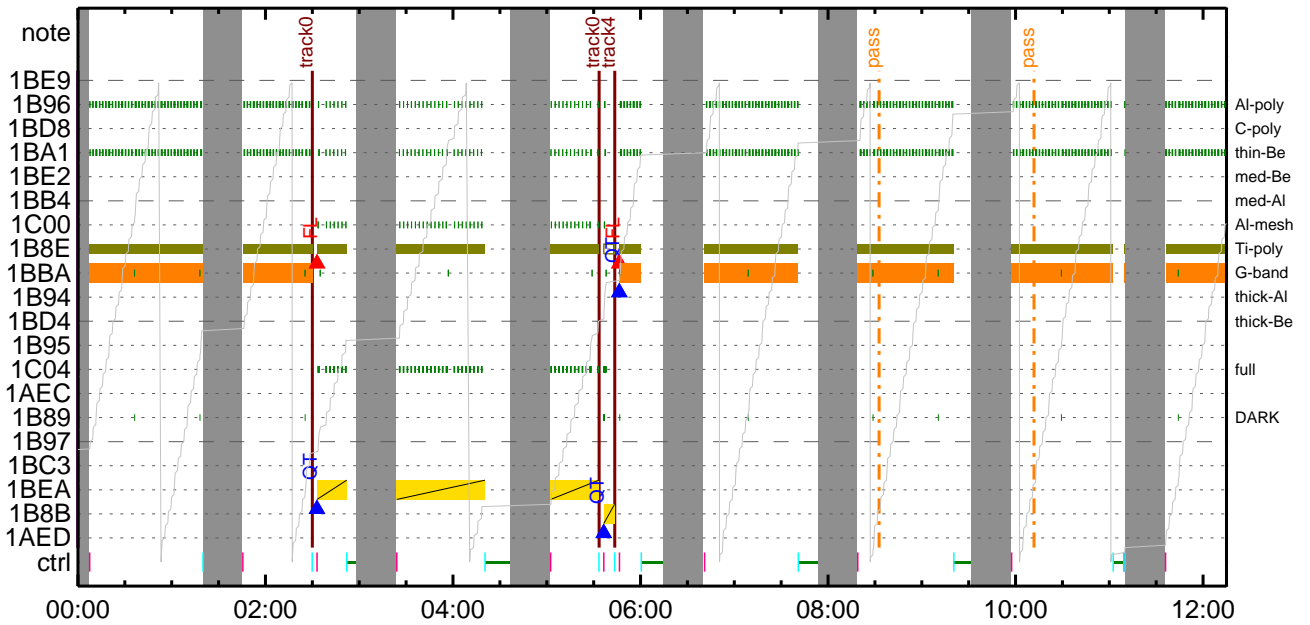
CMDI #0659 2018/08/03



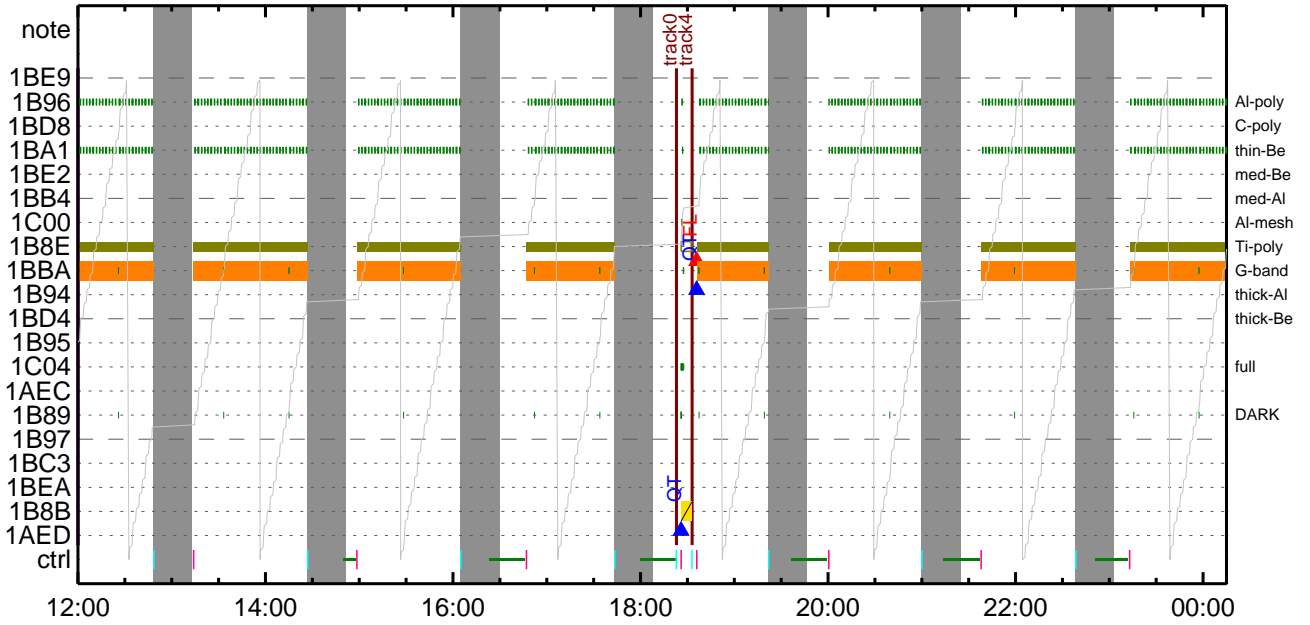
CMDI #0659 2018/08/03



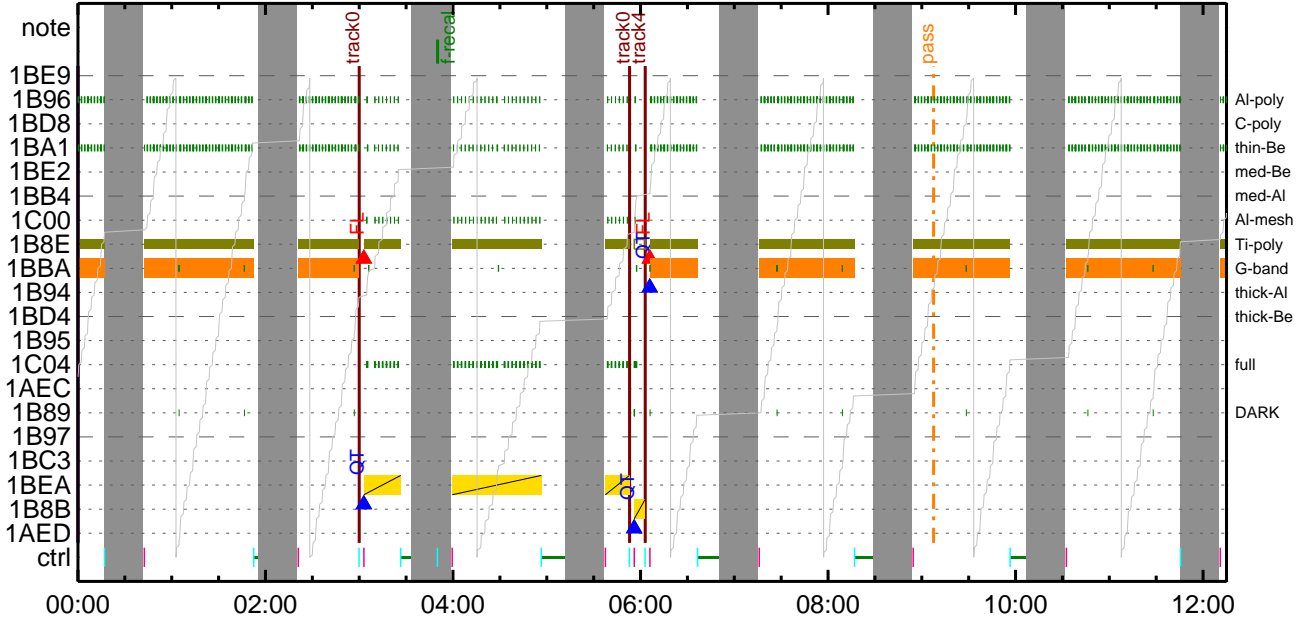
CMDI #0659 2018/08/04



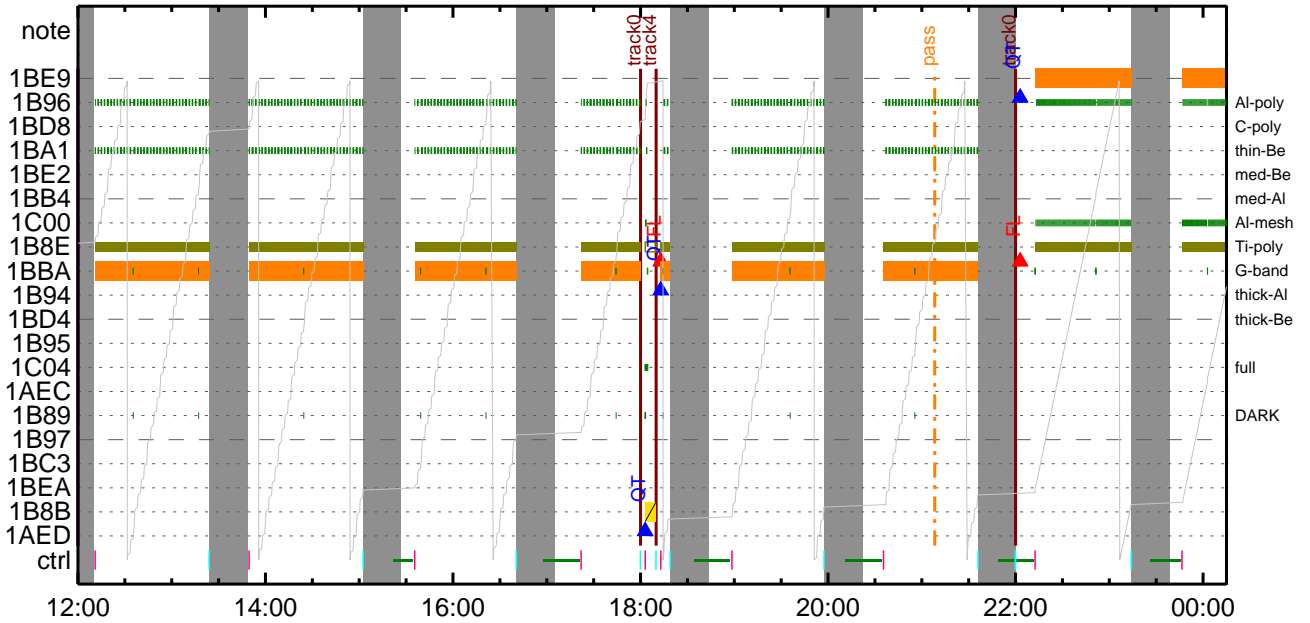
CMDI #0659 2018/08/04



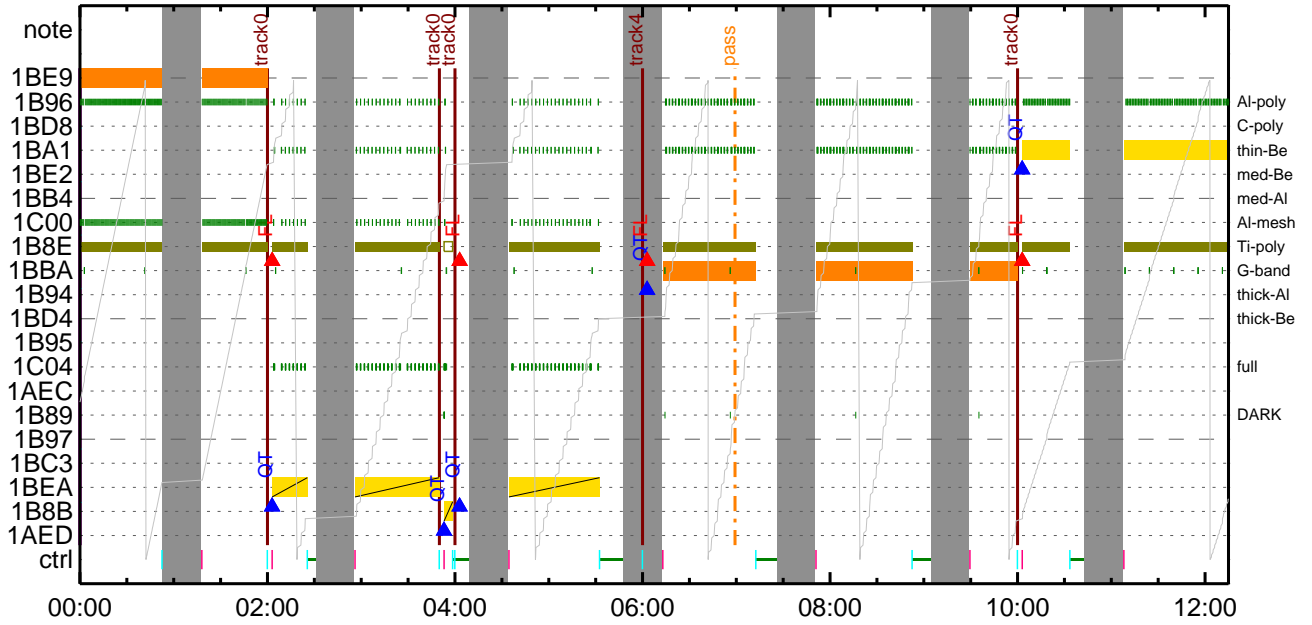
CMDI #0659 2018/08/05



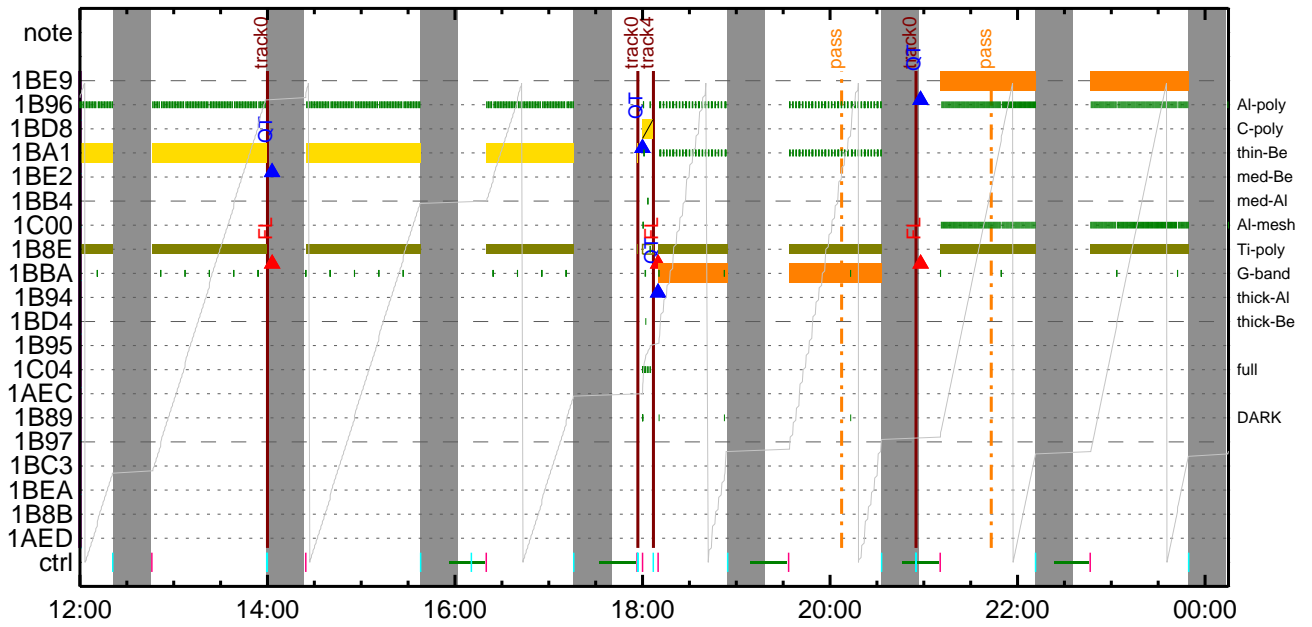
CMDI #0659 2018/08/05



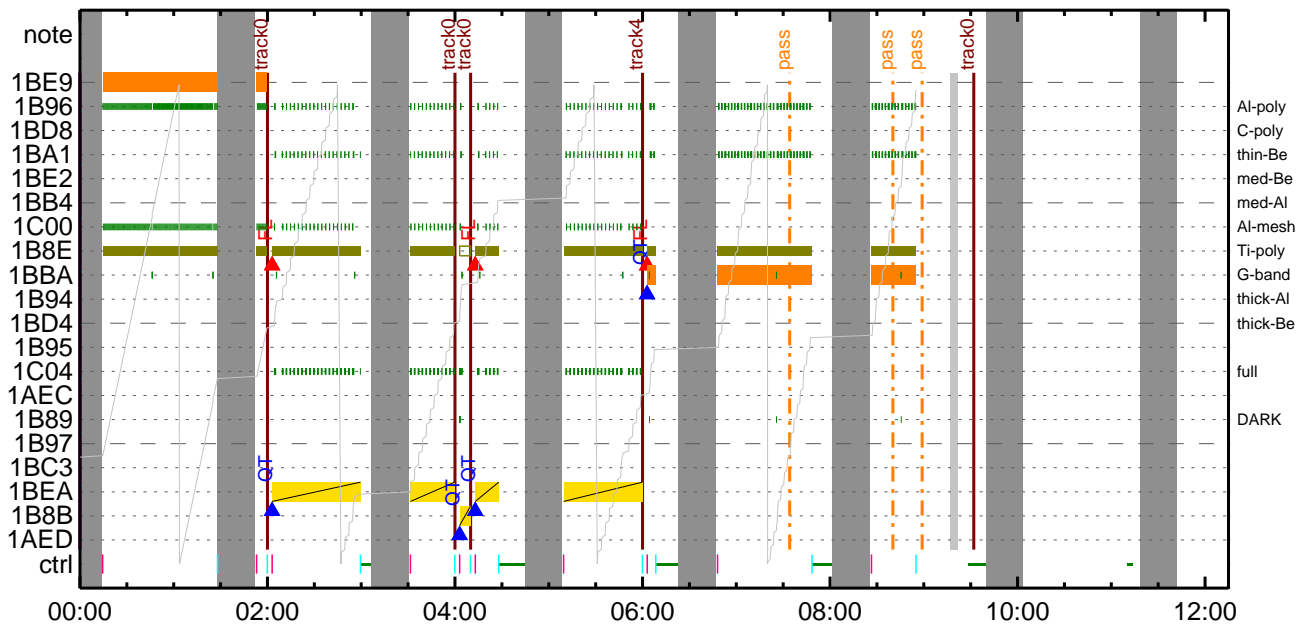
CMDI #0659 2018/08/06



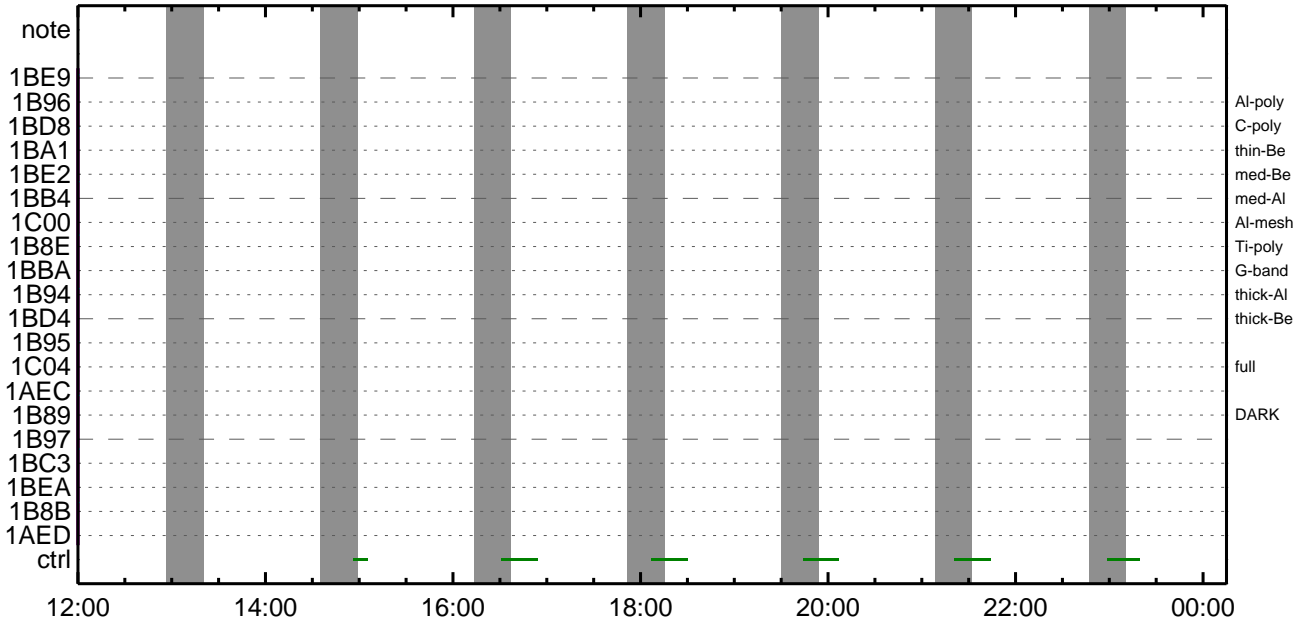
CMDI #0659 2018/08/06



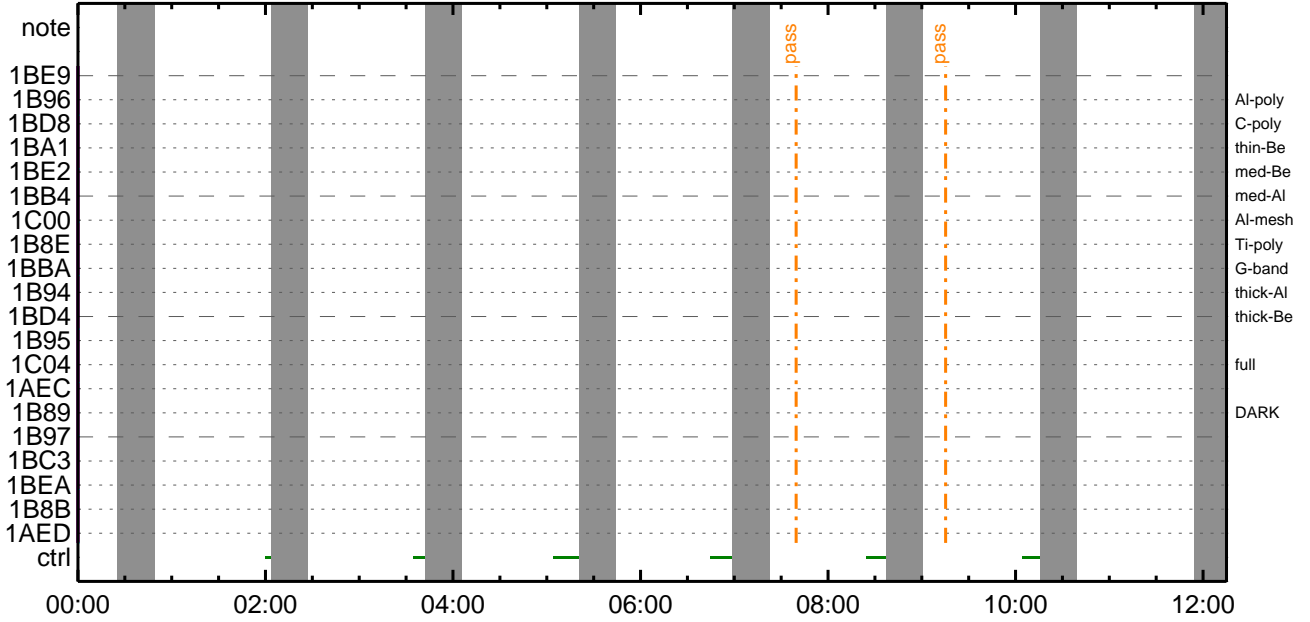
CMDI #0659 2018/08/07



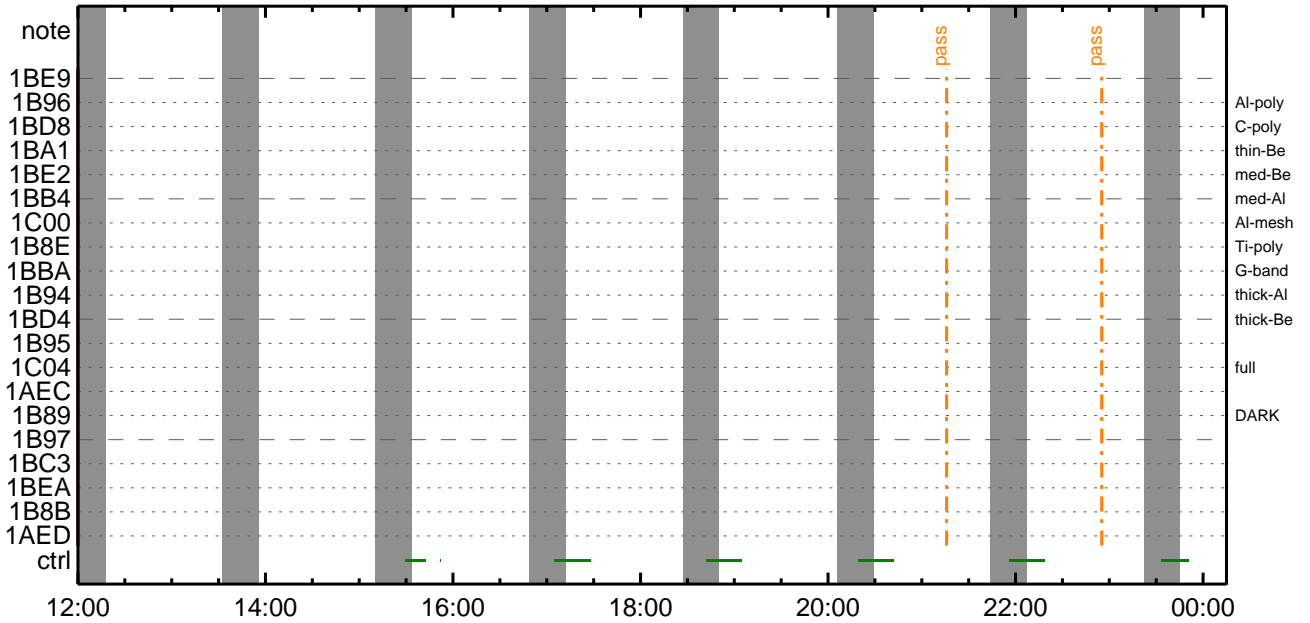
CMDI #0659 2018/08/07



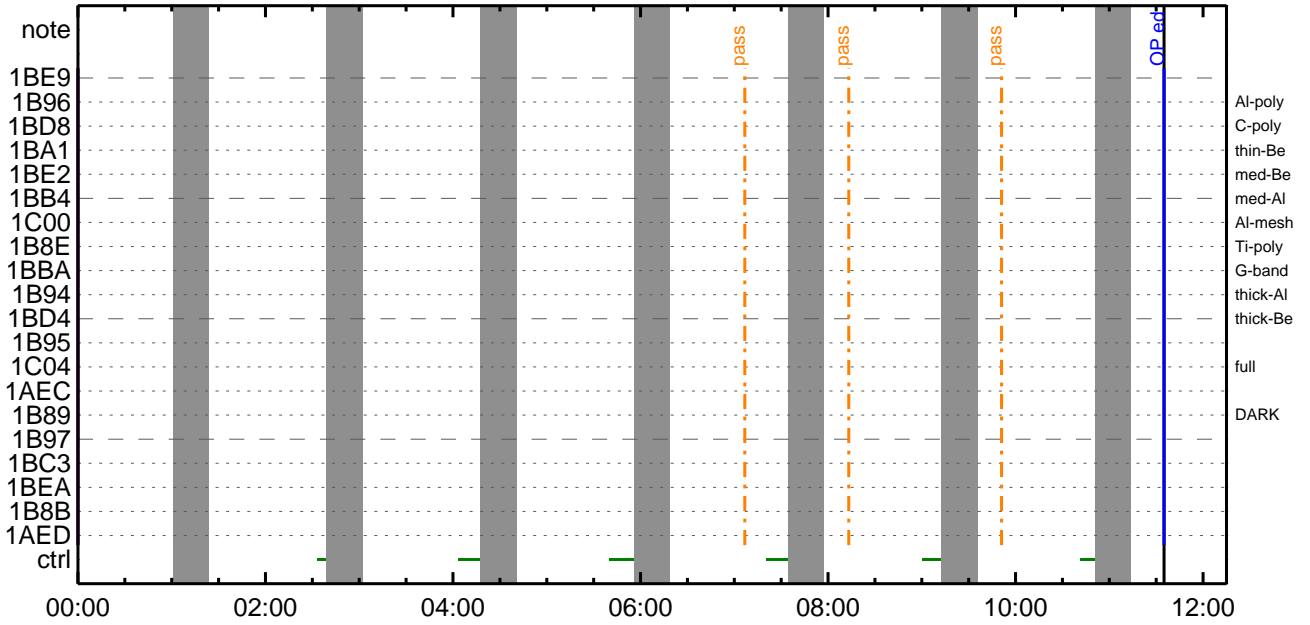
CMDI #0659 2018/08/08



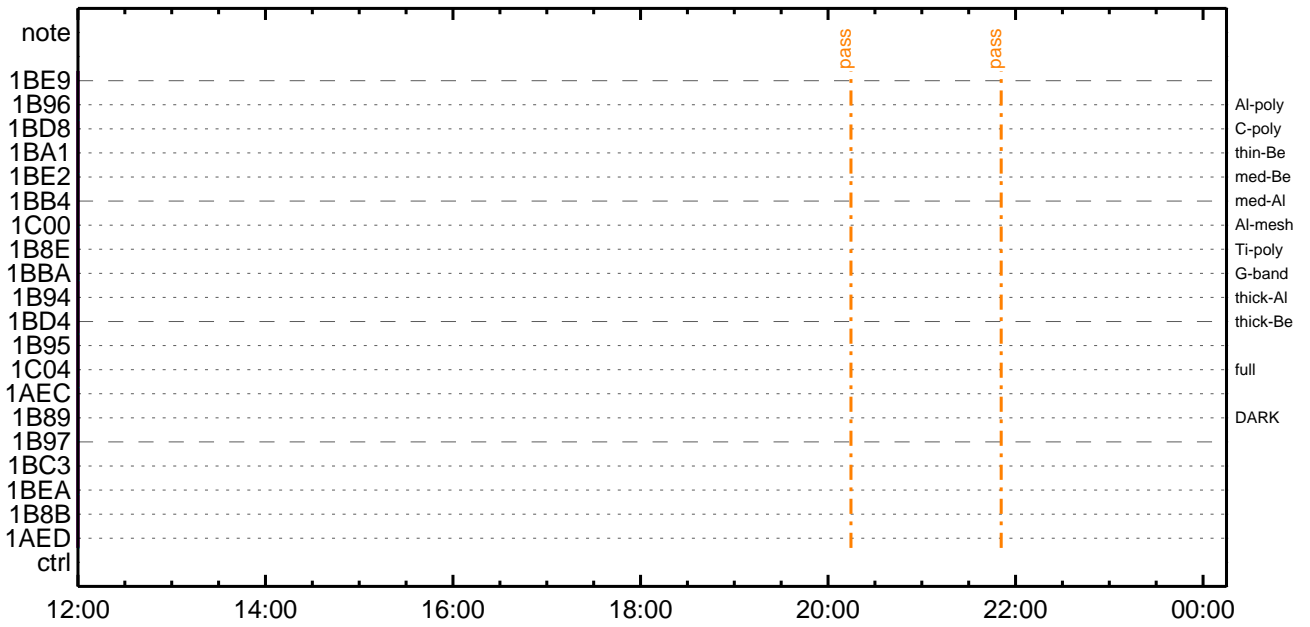
CMDI #0659 2018/08/08



CMDI #0659 2018/08/09



CMDI #0659 2018/08/09




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0096 C.                òþò¿;çSETòÈDUMPròÌ±°ìÑÑ¹òÇ¹Òò|ò³òÈ;£
0097 C.
0098 . C. TIÑ³ÑÞÑÖÑÈòðÀÐÍ¿(UT)
0099 +. TI 2018-07-31 10:54:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                  çç[HK1_TI_CMD_NUM]                 EQ      1COUNTUP
0102 C.
0103 +. TI 2018-07-31 10:54:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                  çç[HK1_TI_CMD_NUM]                 EQ      1COUNTUP
0106 C.
0107 +. TI 2018-07-31 10:54:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                  çç[HK1_TI_CMD_NUM]                 EQ      1COUNTUP
0110 C.
0111 +. TI 2018-07-31 10:58:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                  çç[HK1_TI_CMD_NUM]                 EQ      1COUNTUP
0114 C.
0115 C.  °È²¼òĬÀè%ííÑòĬŲÁŲ§ŲĀŲ-¹àĬŲ
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. TIĬĬ°èÑĀŲÖŲ×
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. ŲĀŲÖŲ×½ªĬ»òð³ĬÇ§
0142 C.                  çç[HK1_DMP_CHK_FLG]                 EQ      NON
0143 C.
0144 . C. RAM ID=TI_TBLòĬÈ¹Ç•è²ĬOKòð³ĬÇ§
0145 C.
0146 . C. DHUŲâ;¼ŲÉ;È¼Ų¾,Ųì;¼ŲÈ;ÈòðĬáò¹
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 2018-07-31 10:58:16.0
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 2018-07-31 10:58:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC      (21 02)
0174 +. TI 2018-07-31 10:58:40.0
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 2018-07-31 10:58:00.0
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 `ŲĀĬòĬ»ò¼ŲòĬĀò¹òÈDCBC•×²è *****
0192 C. (¼ĀòĬŲŲĀŲÈŲÞŲÈŲĀŲçŲèòÈ¼ò¼Ā»Ųò¹òé)
0193 . S. 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;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-535 2018-07-31 13:23:22 94 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY`¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YFYOYÉÁ+¿@
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èò¿òÁò•µ°Æ»Í×ÁÇóÍYçYÁY×Yí;¼YÉ;ÈÈèµ•íÉ;ÈòÈ¼°ÇÏò•ò¿¼í¹çòí;çÁ®, ùò¹òèòòòçÁ+¿@ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCS_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCS Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCS_DUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCS_ORB_UPD
0044 . C.
0045 . C. ***** AOCS Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCS_ORB_PRPGT_START
0048 BC (16)
0049 +. DC 02-8E AOCS_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 4555797.5 +- 1.0 (s) [ ]
0052 C.
0053 . C.
0054 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0055 +. DC 07-FC EIS_MODE_CHG_ENA
0056 BC (20)
0057 . C. Verify EIS_MODE_CHG_FLG is ENA
0058 +. DC 07-FC EIS_MODE_MANU
0059 BC (21 02)
0060 . C. Verify EIS in MANUAL mode
0061 . C. Estimated OBSTBL upload time is 1m33s
0062 C. *****
0063 C. EIS START OBSTBL LOAD
0064 C. *****
0065 . S. RAM ram-820:EIS_OBSTBL
0066 ( )
0067 +. DC 07-FC EIS_DUMP_OBSTBL
0068 BC (07 07 07 00 00 70 00)
0069 C.
0070 C. Execute, after the success of OBSTBL upload.
0071 C. Set EIS TI-commands
0072 +. TI 2018-07-31 10:58:50.0
0073 DC 07-FC EIS_MODE_CHG_ENA
0074 BC (20)
0075 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0076 C. *****
0077 C. EIS END OBSTBL LOAD
0078 C. *****
0079 C.
0080 . C. ***** MDP `ûÁÎòÎ»ò¼YòÈÁòò¹òÈDCBC•×²è *****
0081 C. (¼á°íYÓYÁYÈYÈYÈYáYçYèòÈ¼¼òò¼Á»Ûò¹òè)
0082 . S. DC-BC dcbc-402:DCBC
0083 (MDP_known_event)
0084 C.
0085 C.
0086 . C. ***** YDÝ¹.İ Daily±¿ÍÑòÈ´Øò¹òÈDCBC•×²è *****
0087 . S. DC-BC dcbc-153:DCBC
0088 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0089 C.
0090 C.
0091 . C. ;ãLOSÁY$YÁY`¼Á»Û;ã
0092 C.
0093 . C. ***** LOS *****
0094 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_CTRL_MANU
0104 BC (c1)
0105 + DC 07-F0 MDP_XRT_MODE_STBY
0106 BC (c3)
0107 . C. ----- Success Verify ? OK / NG ____
0108 C.
0109 C. XRT Obs. Table Upload
0110 . S. RAM ram-291:MDP_OBS_X
0111 ( )
0112 C.
0113 +. DC 07-F0 MDP_DUMP_XRTTBL
0114 BC (84 07 00 00 00 3a d4)
0115 . C. ----- Comparison Check ? OK / ERR ____
0116 C.
0117 C.
0118 +. DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 01 b1 b1 04 04)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 02 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 03 b1 b1 08 08)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 04 b1 b1 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 80 80 20 08)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 09 80 80 08 20)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0a 80 80 06 06)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 80 60 20 18)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0c a0 80 18 20)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 0d 85 83 06 06)
0142 + DC 07-F0 MDP_XRT_ROI_SET
0143 BC (cd 0f 80 80 06 06)
0144 + DC 07-F0 MDP_XRT_ROI_SET
0145 BC (cd 10 80 80 08 08)
0146 + DC 07-F0 MDP_XRT_FLD_ENA
0147 BC (d8)
0148 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0149 BC (c8)
0150 + DC 07-F0 MDP_XRT_ARS_DIS
0151 BC (d5)
0152 + DC 07-F0 MDP_XRT_AEC_RESET
0153 BC (d0)
0154 + DC 07-F0 MDP_XRT_FLD_RESET
0155 BC (da)
0156 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0157 BC (c4 05)
0158 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0159 BC (c5 0d)
0160 . C. ----- Success Verify ? OK / NG ____
0161 C.
0162 C.
0163 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0164 C.
0165 +. DC 07-F0 MDP_XRT_MODE_OBSV
0166 BC (c2)
0167 +. TI 2018-07-31 10:58:02.0
0168 DC 07-F0 MDP_XRT_MODE_OBSV
0169 BC (c2)
0170 . C. ----- Success Verify ? OK / NG ____
0171 C.
0172 C. ***** XRT END *****
0173 . C. *****
0174 C. SOT table upload
0175 C. *****
0176 . C. < Stop SP table >
0177 +. DC 07-F0 MDP_SP_CTRL_MANU
0178 BC (61)
0179 C. -----
0180 C. MDP_SP_CTRL_MODE = MANU [ ]
0181 C. -----
0182 C.
0183 . C. <Upload SP Observation Table>
0184 . S. RAM ram-285:MDP_OBS_S
0185 ( )
0186 C.
0187 . C. < Dump RAMID=MDP_OBS_S >
0188 +. DC 07-F0 MDP_DUMP_SPTBL
0189 BC (83 07 00 00 00 38 b8)
0190 C. -----
0191 C. MDP_OBS_S verify = OK/NG [ ]
0192 C. -----
0193 C.

```

```

0194 C. *****
0195 C. SOT TI command set
0196 C. *****
0197 C. Execute, after the success of TBL upload.
0198 +. TI 2018-07-31 10:58:18.0
0199 DC 07-F0 MDP_SOT_MODE_OBSV
0200 BC (40)
0201 . C. -----
0202 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0203 C. -----
0204 C.
0205 C.
0206 . C. ***** MDP `ûÃîñî»ò¼ÿðĒĀĐñ¹ñēDCBC•x²è *****
0207 C. (¼Ā°îÿÓÿĀÿĒÿĬÿĒÿĀÿçÿēñ¼ññ¼Ā»Ûñ¹ñē)
0208 . S. DC-BC dcbc-402:DCBC
0209 (MDP_known_event)
0210 C.
0211 C.
0212 . C. ***** ÿDÿ¹•İ Daily±¿İÑñĒ´øñ¹ñēDCBC•x²è *****
0213 . S. DC-BC dcbc-153:DCBC
0214 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0215 C.
0216 C.
0217 . C. ;ãLOSÿĀÿSÿĀÿ-¼Ā»Û;ã
0218 C.
0219 . C. ***** LOS *****
0220 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-537 2018-07-31 13:23:22 29 33 SOLAR-B MAIN //  
0001 C.  
0002 . C. ***** AOS *****  
0003 C.  
0004 . C. ;ãAOSYÁYŠYÁY-¼Á»Ü;ä  
0005 C.  
0006 C. YÀYB;¼Y³YFÝÖYÉÁ+¿@  
0007 +. DC 00-00 NULL_DUMMY_CMD  
0008 C.  
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****  
0010 C. Áí;È¿¿A¤•µ°Æ»Í×ÁÇ¤ÍYÇYÁY×YÍ;¼YÉ;ÈÈèµ•íÍÈ;ÈÈÈ¼°ÇÖ¤¤¿¼í¹Ç¤Í;ÇÀ@,ù¤¹¤È¤¤¤ÇÁ+¿@¤¤¤È¤¤¤³¤È;£  
0011 +. DC 02-8E AOcu_ORB_UPD  
0012 C.  
0013 C.  
0014 C.  
0015 . C. ***** MDP ‘úÁÍ¤Í»ò¼Y¤ÈÁ¤¤¹¤ÈDCBC•x²è *****  
0016 C. (%á°ÍYÖYÁYÈYBÝÈYÁYÇYÈ¤È¼¤¤¼Á»Ü¤¹¤È)  
0017 . S. DC-BC dcbc-402:DCBC  
0018 (MDP_known_event)  
0019 C.  
0020 C.  
0021 . C. ***** YDÝ¹•Ī Daily±¿ÍÑ¤È’Ø¤¹¤ÈDCBC•x²è *****  
0022 . S. DC-BC dcbc-153:DCBC  
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0024 C.  
0025 C.  
0026 . C. ;ãLOSÁYŠYÁY-¼Á»Ü;ä  
0027 C.  
0028 . C. ***** LOS *****  
0029 C.
```

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XRT_OGLIST_0659.chk

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*** OP Sequence for XRT ***

2018/07/31	11:09:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04	00	00	00	00
2018/07/31	11:09:30.0	XRT_TCIB_XRT_S_HTR_A_DIS_422_OG [0x1a6]							
		TCIB_XRT_S_HTR_A_DIS	0	04-C0					
2018/07/31	12:04:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	12:04:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/07/31	12:04:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/07/31	12:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/07/31	13:11:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	01	00	00	00	00
2018/07/31	13:43:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	13:43:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/07/31	13:43:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/07/31	13:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/07/31	15:21:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	15:21:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/07/31	15:21:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/07/31	15:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/07/31	16:00:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	16:00:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/07/31	16:00:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/07/31	16:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/07/31	17:00:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	17:00:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/07/31	17:00:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/07/31	17:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/07/31	18:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	18:19:56.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/07/31	18:20:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2018/07/31	18:20:16.0	XRT_FLD_DIS_401_OG [0x191]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/07/31	18:20:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/07/31	18:20:20.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/07/31	18:22:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	02			
2018/07/31	18:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/07/31	18:30:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00	b2	a8	00	00
2018/07/31	18:35:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	18:35:02.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/07/31	18:35:22.0	XRT_FLD_DIS_449_OG [0x1c1]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/07/31	18:37:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/07/31	18:37:26.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/07/31	18:37:28.0	XRT_QT_PROG_SET_406_OG [0x196]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2018/07/31	18:37:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/07/31	18:49:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/07/31	18:49:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/07/31	18:50:00.0	AOCS_Ore-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00	ad	59	00	00
2018/07/31	18:50:16.0	XRT_FLD_DIS_431_OG [0x1af]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/07/31	19:04:54.0	XRT_FLRCTRL_DIS_434_OG [0x1b2]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/07/31	19:04:56.0	XRT_ARS_DIS_445_OG [0x1bd]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/07/31	19:04:58.0	XRT_QT_PROG_SET_439_OG [0x1b7]							

2018/07/31	19:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
2018/07/31	20:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/07/31	20:49:56.0	XRT_FOCUS_POSITION_441_OG [0x1b9]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/07/31	20:50:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97	00
2018/07/31	20:50:16.0	XRT_FLD_DIS_431_OG [0x1af]	AOCU_NM	5	02-76	00 00 00	56 35
2018/07/31	21:04:54.0	XRT_FLRCTRL_DIS_434_OG [0x1b2]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/07/31	21:04:56.0	XRT_ARS_DIS_445_OG [0x1bd]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/07/31	21:04:58.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/07/31	21:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2018/07/31	22:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/07/31	22:49:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/07/31	22:50:00.0	AOCS_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2018/07/31	22:50:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	04 00 00	00 00
2018/07/31	22:52:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/07/31	22:52:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/07/31	22:52:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/07/31	22:52:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/07/31	22:52:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/07/31	22:52:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2018/07/31	22:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/07/31	23:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/07/31	23:33:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/07/31	23:33:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/07/31	23:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/01	00:00:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/01	00:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2018/08/01	01:11:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/01	01:11:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/01	01:11:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/01	01:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/01	01:37:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/01	01:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2018/08/01	02:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/01	02:44:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/01	02:44:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/01	02:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/01	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/01	02:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/01	03:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa	00
2018/08/01	03:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	00 00 00	00 00
2018/08/01	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/08/01	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/08/01	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/08/01	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/01	03:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/01	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03
2018/08/01	03:15:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/08/01	03:16:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				

2018/08/01	04:12:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	04:12:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	da			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/01	04:12:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	04:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	04:54:00.0	XRT_Custom_430_OG [0x1ae]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/01	04:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	05:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	05:52:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/01	05:52:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
			MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/01	05:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	06:32:30.0	XRT_Custom_430_OG [0x1ae]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/01	06:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	07:15:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	07:15:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2018/08/01	07:16:16.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9			
			MDP_XRT_FLD_DIS	1	07-F0	d9			
2018/08/01	07:16:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2018/08/01	07:16:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
			MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/08/01	07:18:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02			
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 02			
2018/08/01	07:19:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/01	07:25:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	07:25:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2018/08/01	07:26:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	03 00 00 00 00			
			AOCU_NM	5	02-76	03 00 00 00 00			
2018/08/01	07:26:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8			
			MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/08/01	07:28:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/08/01	07:28:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
			MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/08/01	07:28:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
			MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/08/01	07:28:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/01	07:28:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13			
			MDP_XRT_QT_PROG_SET	2	07-F0	c4 13			
2018/08/01	07:28:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
			MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2018/08/01	07:29:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/01	07:33:00.5	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	07:33:02.5	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/01	07:33:04.5	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	07:36:14.5	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	08:10:30.0	XRT_Custom_430_OG [0x1ae]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/01	08:11:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	09:12:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	09:12:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
			MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/01	09:12:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	09:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/01	09:49:00.0	XRT_Custom_430_OG [0x1ae]	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/01	09:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/01	09:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
			XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2018/08/01	10:00:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	03 00 00 00 00			
			AOCU_NM	5	02-76	03 00 00 00 00			
2018/08/01	10:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8			
			MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/08/01	10:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/08/01	10:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
			MDP_XRT_AEC_RESET	1	07-F0	d0			

2018/08/01	10:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/01	10:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	10:02:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2018/08/01	10:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/01	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	10:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	10:54:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	10:54:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/01	10:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/01	11:27:30.0	XRT_Custom_430_OG [0x1ae]								
2018/08/01	11:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	12:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	12:40:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	12:40:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/01	12:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/01	13:06:00.0	XRT_Custom_430_OG [0x1ae]								
2018/08/01	13:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	14:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01	00 00 00 00			
2018/08/01	14:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	14:18:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	14:18:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/01	14:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/01	14:49:00.0	XRT_Custom_430_OG [0x1ae]								
2018/08/01	14:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	15:57:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	15:57:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	15:57:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/01	16:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/01	16:38:30.0	XRT_Custom_430_OG [0x1ae]								
2018/08/01	16:39:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	17:35:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	17:35:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/01	17:35:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/01	17:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/01	18:15:30.5	XRT_Custom_430_OG [0x1ae]								
2018/08/01	18:16:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	18:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	18:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00			
2018/08/01	19:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00 00 00 00			
2018/08/01	19:00:16.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/01	19:00:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/01	19:00:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/01	19:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02			
2018/08/01	19:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/01	19:10:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00	54 00 00 00			
2018/08/01	19:10:30.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/01	19:10:32.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00			
2018/08/01	19:10:52.0	XRT_FLD_DIS_449_OG [0x1c1]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/01	19:12:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				

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2018/08/01	19:12:56.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/01	19:12:58.0	XRT_QT_PROG_SET_406_OG [0x196]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2018/08/01	19:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/01	19:24:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/01	19:24:56.0	XRT_FOCUS_POSITION_403_OG [0x193]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/01	19:25:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	04 00 00 00 00
2018/08/01	19:25:16.0	XRT_FLD_ENA_446_OG [0x1be]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/01	19:27:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/01	19:27:50.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/01	19:27:52.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/01	19:27:54.0	XRT_FLD_RESET_420_OG [0x1a4]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/01	19:27:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2018/08/01	19:27:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/01	19:52:00.0	XRT_Custom_430_OG [0x1ae]			
2018/08/01	19:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/01	20:52:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/01	20:52:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/01	20:52:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/01	20:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/01	21:29:30.0	XRT_Custom_430_OG [0x1ae]			
2018/08/01	21:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/01	22:30:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/01	22:30:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/01	22:30:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/01	22:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/01	23:05:00.0	XRT_Custom_430_OG [0x1ae]			
2018/08/01	23:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	00:09:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	00:09:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	00:09:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/02	00:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/02	00:34:00.0	XRT_Custom_430_OG [0x1ae]			
2018/08/02	00:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	01:45:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	01:45:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	01:45:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/02	01:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/02	02:12:30.0	XRT_Custom_430_OG [0x1ae]			
2018/08/02	02:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	02:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/02	03:00:00.5	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2018/08/02	03:00:16.0	XRT_FLD_ENA_446_OG [0x1be]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/02	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/02	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/02	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/02	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	03:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2018/08/02	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d

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2018/08/02	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	03:19:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	03:19:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	03:19:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/02	03:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/02	03:51:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/02	03:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	04:48:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	04:48:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	04:48:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/02	04:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/02	05:29:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/02	05:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/02	06:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/02	06:00:18.0	XRT_FLD_DIS_413_OG [0x19d]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/02	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/02	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/02	06:02:58.0	XRT_QT_PROG_SET_414_OG [0x19e]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2018/08/02	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	06:09:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2018/08/02	06:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2018/08/02	06:10:16.0	XRT_FLD_ENA_446_OG [0x1be]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/02	06:12:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/02	06:12:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/02	06:12:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/02	06:12:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	06:12:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2018/08/02	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/08/02	06:13:00.0	XRT_CTRL_AUTO_442_OG [0x1ba]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	06:28:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	06:28:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	06:28:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/02	06:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/02	07:07:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/02	07:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	08:09:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	08:09:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	08:09:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/02	08:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/02	08:46:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/02	08:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/02	09:48:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/02	09:48:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/02	09:48:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/02	09:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							

2018/08/02	10:24:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/02	10:25:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/02	11:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	11:37:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	11:37:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/02	11:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/02	12:02:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/02	12:03:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/02	13:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	13:15:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	13:15:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/02	13:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/02	13:41:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/02	13:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/02	14:54:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	14:54:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	14:54:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/02	14:54:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/02	14:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/02	15:26:30.0	XRT_Custom_430_OG [0x1ae]						
2018/08/02	15:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/02	16:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	16:32:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	16:32:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/02	16:32:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/02	16:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/02	17:13:30.0	XRT_Custom_430_OG [0x1ae]						
2018/08/02	17:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2018/08/02	17:54:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	17:54:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	17:55:00.0	AOCs_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2018/08/02	17:55:16.0	XRT_FLD_DIS_401_OG [0x191]	AOCU_NM	5	02-76	00 00 00 00 00		
2018/08/02	17:55:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2018/08/02	17:55:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2018/08/02	17:57:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/08/02	17:58:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2018/08/02	18:05:00.0	AOCs_OrE-point_Start_9_OG [0x09f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	18:08:00.0	XRT_CTRL_MANU_402_OG [0x192]	AOCU_NM	5	02-76	00 00 00 54 00		
2018/08/02	18:08:02.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	18:08:22.0	XRT_FLD_DIS_449_OG [0x1c1]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2018/08/02	18:10:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2018/08/02	18:10:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2018/08/02	18:10:28.0	XRT_QT_PROG_SET_406_OG [0x196]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/08/02	18:10:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2018/08/02	18:22:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/02	18:22:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/02	18:23:00.0	AOCs_OrE-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/08/02	18:23:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	04 00 00 00 00		
2018/08/02	18:25:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/08/02	18:25:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/08/02	18:25:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		

2018/08/02	18:25:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/02	18:25:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	18:25:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2018/08/02	18:50:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/02	18:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	19:49:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	19:49:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	19:49:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/02	19:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/02	20:27:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	20:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	21:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	21:27:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	21:27:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	21:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/02	22:04:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/02	22:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	23:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/02	23:06:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/02	23:06:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/02	23:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/02	23:38:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/02	23:39:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	00:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/03	00:44:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	00:44:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/03	00:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/03	01:09:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/03	01:10:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/03	02:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	02:18:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/03	02:18:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	02:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/03	02:48:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/03	02:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/03	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/03	02:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	03:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/03	03:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	00 00 00 00 00
2018/08/03	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/03	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/03	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/03	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/03	03:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/03	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2018/08/03	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/03	03:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/03	03:53:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/03	03:53:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/03			MDP_XRT_PREFLR_STRT	1	07-F0	e8

2018/08/03	03:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	04:26:00.5	XRT_Custom_430_OG [0x1ae]							
2018/08/03	04:27:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	05:24:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	05:24:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	05:24:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/03	05:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	06:05:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	06:05:26.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/03	06:05:30.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/03	06:05:46.0	XRT_FLD_DIS_401_OG [0x191]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/03	06:05:48.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/03	06:05:50.0	XRT_ARS_DIS_417_OG [0x1a1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/03	06:08:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2018/08/03	06:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	06:15:24.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	06:15:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2018/08/03	06:15:30.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04 00 00 00 00				
2018/08/03	06:15:46.0	XRT_FLD_ENA_446_OG [0x1be]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/03	06:18:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/03	06:18:20.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/03	06:18:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/03	06:18:24.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	06:18:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2018/08/03	06:18:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/08/03	06:18:30.0	XRT_CTRL_AUTO_442_OG [0x1ba]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	07:05:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	07:05:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	07:05:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/03	07:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	07:43:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/03	07:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	08:44:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	08:44:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	08:44:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/03	08:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	09:21:00.5	XRT_Custom_430_OG [0x1ae]							
2018/08/03	09:22:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	10:25:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	10:25:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	10:25:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/03	10:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	10:59:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/03	11:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/03	12:13:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/03	12:13:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/03	12:13:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/03	12:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/03	12:38:00.0	XRT_Custom_430_OG [0x1ae]							

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2018/08/03	19:02:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/03	19:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c	
2018/08/03	19:25:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d	
2018/08/03	19:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/03	20:24:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/03	20:24:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/03	20:24:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/03	20:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/03	21:02:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/03	21:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/03	22:03:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/03	22:03:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/03	22:03:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/03	22:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/03	22:38:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/03	22:39:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/03	23:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/03	23:41:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/03	23:41:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/03	23:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/04	00:06:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/04	00:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/04	01:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	01:20:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/04	01:20:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/04	01:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/04	01:44:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/04	01:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/04	02:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	02:29:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/04	02:30:00.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/04	02:30:00.0	AOCs_Or-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2018/08/04	02:30:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	00	00 00 00 00	
2018/08/04	02:32:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/08/04	02:32:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/08/04	02:32:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/08/04	02:32:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/08/04	02:32:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	02:32:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	02:32:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03	
2018/08/04	02:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d	
2018/08/04	02:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/04	02:52:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/04	02:52:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	02:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/04	03:23:01.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/08/04	03:24:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/08/04	04:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/08/04	04:20:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/08/04	04:20:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/08/04	04:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		

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2018/08/04	05:01:30.0	XRT_Custom_430_OG [0x1ae]			
2018/08/04	05:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	05:33:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	05:33:26.0	XRT_FOCUS_POSITION_403_OG [0x193]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/04	05:33:30.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2018/08/04	05:33:46.0	XRT_FLD_DIS_401_OG [0x191]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2018/08/04	05:33:48.0	XRT_FLRCTRL_DIS_405_OG [0x195]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/08/04	05:33:50.0	XRT_ARS_DIS_417_OG [0x1a1]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/04	05:36:28.0	XRT_QT_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2018/08/04	05:36:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	05:43:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	05:43:26.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/04	05:43:30.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	04 00 00 00 00
2018/08/04	05:43:46.0	XRT_FLD_ENA_446_OG [0x1be]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/04	05:46:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/04	05:46:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/04	05:46:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/04	05:46:24.0	XRT_FLD_RESET_420_OG [0x1a4]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	05:46:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2018/08/04	05:46:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/04	05:46:30.0	XRT_CTRL_AUTO_442_OG [0x1ba]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	06:00:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	06:00:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	06:00:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/04	06:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/04	06:40:01.0	XRT_Custom_430_OG [0x1ae]			
2018/08/04	06:41:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	07:41:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	07:41:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	07:41:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/04	07:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/04	08:18:00.0	XRT_Custom_430_OG [0x1ae]			
2018/08/04	08:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	09:20:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	09:20:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	09:20:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/04	09:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/04	09:56:30.0	XRT_Custom_430_OG [0x1ae]			
2018/08/04	09:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	11:02:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	11:02:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	11:02:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/04	11:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/04	11:08:30.0	XRT_Custom_430_OG [0x1ae]			
2018/08/04	11:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/04	11:10:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/04	11:10:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/04	11:10:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/04	11:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9

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2018/08/04	21:00:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/04	21:00:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/04	21:00:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/04	21:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/04	21:37:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/04	21:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/04	22:38:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/04	22:38:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/04	22:38:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/04	22:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/04	23:12:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/04	23:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/05	00:17:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	00:17:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/05	00:17:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/05	00:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/05	00:41:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/05	00:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/05	01:52:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	01:52:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/05	01:52:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/05	01:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/05	02:20:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/05	02:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/05	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	02:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/05	03:00:00.0	AOCS_OrE-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/05	03:00:16.0	XRT_FLD_ENA_446_OG [0x1be]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/05	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/05	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/05	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/05	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/05	03:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2018/08/05	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/08/05	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/05	03:26:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	03:26:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/05	03:26:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/05	03:29:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/05	03:50:00.0	XRT_CTRL_MANU_428_OG [0x1ac]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	03:50:10.0	XRT_FOCUS_RECALIBRATE_425_OG [0x1a9]							
		XRT_FOCUS_RECAL	2	07-F8	78 00				
2018/08/05	03:54:10.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/05	03:58:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/05	03:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/05	04:56:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/05	04:56:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/05	04:56:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/05	04:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/05	05:36:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/05	05:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							

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2018/08/05	05:52:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	05:52:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	05:53:00.0	AOCS_Orе-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/05	05:53:16.0	XRT_FLD_DIS_401_OG [0x191]	AOCU_NM	5	02-76	00 00 00 00 00
2018/08/05	05:53:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/08/05	05:53:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/08/05	05:55:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/05	05:56:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2018/08/05	06:02:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	06:02:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	06:03:00.0	AOCS_Orе-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/05	06:03:16.0	XRT_FLD_ENA_446_OG [0x1be]	AOCU_NM	5	02-76	04 00 00 00 00
2018/08/05	06:05:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/05	06:05:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/05	06:05:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/05	06:05:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/05	06:05:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	06:05:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2018/08/05	06:06:00.0	XRT_CTRL_AUTO_442_OG [0x1ba]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/05	06:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	06:36:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	06:36:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	06:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/05	07:15:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/05	07:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/08/05	08:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	08:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	08:17:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	08:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/05	08:53:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/05	08:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/08/05	09:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	09:56:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	09:56:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	09:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/05	10:31:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/05	10:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/08/05	11:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	11:45:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	11:45:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	11:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/05	12:10:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/05	12:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/08/05	13:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/05	13:24:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/05	13:24:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/05	13:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/05	13:48:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/05	13:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			

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2018/08/05	15:02:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	15:02:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	15:02:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	15:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	15:34:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	15:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	16:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	16:40:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	16:40:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	16:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	17:21:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	17:22:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2018/08/05	17:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	AOCU_NM	5	02-76	00 00 00 00 00			
2018/08/05	18:00:00.0	AOCs_OrE-point_Start_3_OG [0x099]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2018/08/05	18:00:16.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2018/08/05	18:00:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/08/05	18:00:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02			
2018/08/05	18:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2018/08/05	18:09:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	AOCU_NM	5	02-76	04 00 00 00 00			
2018/08/05	18:10:00.0	AOCs_OrE-point_Start_1_OG [0x097]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2018/08/05	18:10:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2018/08/05	18:12:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2018/08/05	18:12:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2018/08/05	18:12:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	18:12:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c			
2018/08/05	18:12:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2018/08/05	18:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	18:13:00.0	XRT_CTRL_AUTO_442_OG [0x1ba]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	18:19:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	18:19:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	18:19:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	18:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	18:57:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	18:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	19:57:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	19:57:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	19:57:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	19:57:34.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	20:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	20:34:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	20:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	21:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2018/08/05	21:36:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2018/08/05	21:36:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da			
2018/08/05	21:36:04.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2018/08/05	21:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2018/08/05	21:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			

2018/08/05	21:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/05	21:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/08/05	22:00:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 b0 73 00 00	
2018/08/05	22:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/08/05	22:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/08/05	22:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/08/05	22:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/05	22:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/05	22:02:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	
2018/08/05	22:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/08/05	22:11:30.0	XRT_Custom_430_OG [0x1ae]					
2018/08/05	22:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/05	23:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/05	23:14:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/05	23:14:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/05	23:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/05	23:45:30.0	XRT_Custom_430_OG [0x1ae]					
2018/08/05	23:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	00:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	00:52:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	00:52:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	00:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	01:17:00.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	01:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	01:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/08/06	02:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/08/06	02:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/08/06	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/08/06	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/08/06	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/06	02:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	02:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2018/08/06	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/08/06	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	02:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	02:25:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	02:25:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	02:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	02:55:01.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	02:56:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	03:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	03:49:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/08/06	03:50:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/08/06	03:50:16.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/08/06	03:50:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/08/06	03:50:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/06	03:52:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02	
2018/08/06	03:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]					

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2018/08/06	03:58:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	03:58:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	03:58:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/06	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	03:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/08/06	04:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00	00	00	00
2018/08/06	04:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/06	04:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/06	04:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/06	04:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/06	04:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/06	04:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	04:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2018/08/06	04:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/06	04:33:30.0	XRT_Custom_430_OG [0x1ae]								
2018/08/06	04:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/06	05:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	05:32:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	05:32:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/06	05:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/06	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	05:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/08/06	06:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00	00
2018/08/06	06:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/06	06:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/06	06:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/06	06:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/06	06:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	06:02:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c			
2018/08/06	06:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/06	06:12:00.0	XRT_Custom_430_OG [0x1ae]								
2018/08/06	06:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/06	07:12:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	07:12:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	07:12:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/06	07:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/06	07:50:00.0	XRT_Custom_430_OG [0x1ae]								
2018/08/06	07:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/06	08:52:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	08:52:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	08:52:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/06	08:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/06	09:28:30.0	XRT_Custom_430_OG [0x1ae]								
2018/08/06	09:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/06	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	09:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/08/06	10:00:00.0	AOCS_Ore-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00	d5	40	01	99
2018/08/06	10:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				

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2018/08/06	10:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/08/06	10:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/08/06	10:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/06	10:00:24.0	XRT_FLD_RESET_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	10:02:56.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2018/08/06	10:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/08/06	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	10:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	10:33:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	10:33:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	10:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	11:07:00.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	11:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	12:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	12:21:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	12:21:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	12:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	12:45:00.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	12:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	13:59:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	13:59:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	13:59:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	13:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	13:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2018/08/06	14:00:00.0	AOCS_Or-point_Start_13_OG [0x0a3]	AOCU_NM	5	02-76	00	45 db 01 99
2018/08/06	14:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/08/06	14:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/08/06	14:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/08/06	14:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/08/06	14:00:24.0	XRT_FLD_RESET_435_OG [0x1b3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	14:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	14:02:56.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2018/08/06	14:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/08/06	14:23:30.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	14:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	15:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	15:38:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	15:38:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	15:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	16:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	16:10:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	16:10:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	16:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/08/06	16:19:00.0	XRT_Custom_430_OG [0x1ae]					
2018/08/06	16:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/08/06	17:16:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/08/06	17:16:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/08/06	17:16:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/08/06	17:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					

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2018/08/06	17:55:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/06	17:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	17:56:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	17:56:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	17:56:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/06	17:57:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00
2018/08/06	17:57:18.0	XRT_FLD_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/08/06	17:59:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/08/06	17:59:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/06	17:59:58.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12
2018/08/06	18:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	18:06:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	18:06:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/06	18:07:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04 00 00 00 00
2018/08/06	18:07:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/06	18:09:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/06	18:09:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/06	18:09:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/06	18:09:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/06	18:09:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2018/08/06	18:09:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/06	18:10:00.0	XRT_CTRL_AUTO_442_OG [0x1ba]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	18:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	18:54:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/06	18:54:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/06	18:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/06	19:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	19:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	20:33:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	20:33:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/06	20:33:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/06	20:36:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/06	20:54:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	20:54:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	20:54:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/06	20:55:00.0	AOCS_Ore-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00 b0 73 00 00
2018/08/06	20:55:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/06	20:55:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/06	20:55:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/06	20:55:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/06	20:55:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/06	20:57:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2018/08/06	20:57:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/06	21:09:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	21:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/06	22:11:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/06	22:11:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/06	22:11:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	da

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2018/08/06	22:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8				
2018/08/06	22:45:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/06	22:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/06	23:49:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/06	23:49:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/06	23:49:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/06	23:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	00:13:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	00:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	01:28:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	01:28:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/07	01:28:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	01:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	01:52:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	01:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/07	01:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	AOCs_Orе-point_Start_3_OG [0x099]	5	02-76	00 00 00 00 00				
2018/08/07	02:00:00.0	AOCs_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/07	02:00:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/07	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/07	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/07	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/07	02:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	02:02:56.0	XRT_QT_PROG_SET_409_OG [0x199]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2018/08/07	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/08/07	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	02:59:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	02:59:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	02:59:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/07	03:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	03:30:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	03:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/07	03:59:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	AOCs_Orе-point_Start_3_OG [0x099]	5	02-76	00 00 00 00 00				
2018/08/07	04:00:00.0	AOCs_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/07	04:00:16.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/07	04:00:18.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/07	04:00:20.0	XRT_ARS_DIS_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/07	04:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2018/08/07	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	04:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	04:09:56.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/07	04:10:00.0	AOCs_Orе-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/07	04:10:16.0	XRT_FLD_ENA_446_OG [0x1be]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/07	04:12:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/07	04:12:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/07	04:12:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/07	04:12:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				

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2018/08/07	04:12:56.0	XRT_QT_PROG_SET_409_OG [0x199]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	03			
2018/08/07	04:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/07	04:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	04:28:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	04:28:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	04:28:04.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/07	04:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	05:08:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/07	05:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	05:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/08/07	06:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04	00	00	00	00
2018/08/07	06:00:16.0	XRT_FLD_ENA_446_OG [0x1be]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/07	06:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/07	06:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/07	06:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/07	06:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	06:02:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c			
2018/08/07	06:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/07	06:03:00.0	XRT_CTRL_AUTO_442_OG [0x1ba]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	06:08:30.5	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	06:08:32.5	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	06:08:34.5	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/07	06:11:44.5	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	06:47:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/07	06:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	07:48:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	07:48:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/07	07:48:34.0	XRT_PREFLR_STRT_427_OG [0x1ab]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/07	07:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/07	08:25:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/07	08:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/07	08:55:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/07	09:32:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00