

XRT Timeline to be uploaded on 2019/05/28

Period: 2019/05/28 11:22:00 - 2019/06/05 11:55:00

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Normal mode

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XOB #1BD6: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 900s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
05/28 11:35:00 - 05/28 18:05:54	Track (251.7, -99.4) @ 05/28 11:32:00	# OP start + 10min, QS bright points
05/28 18:18:00 - 05/28 20:26:00	Track (-144.4, 197.5) @ 05/28 18:15:00	# plage
05/29 00:12:30 - 05/29 01:59:54	Track (-144.4, 197.5) @ 05/28 18:15:00	# plage
05/29 05:48:00 - 05/29 09:21:30	Track (-41.5, 196.8) @ 05/29 05:45:00	# plage
05/30 06:07:30 - 05/30 11:46:30	Track (176.4, 194.5) @ 05/30 06:04:30	# plage
05/30 15:36:30 - 05/30 17:59:54	Track (176.4, 194.5) @ 05/30 06:04:30	# plage

PROG= 10 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	8-time(s)	900.0sec											
Seqn= 8	1-time(s)	2.0sec											
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6	1-time(s)	2.0sec											
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2	0	2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1C1B: Synoptic Q95 2x2 - Al/mesh(512/2048/5796) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(512/4096/8192)

Term	Pointing (x, y)	Comment
05/28 18:09:00 - 05/28 18:14:54	Fixed (0.0, 0.0)	synoptic, shifted 5.0 min
05/29 05:38:00 - 05/29 05:44:54	Fixed (0.0, 0.0)	synoptic, shifted -25.0 min
05/30 05:57:30 - 05/30 06:04:24	Fixed (0.0, 0.0)	synoptic, shifted -5.5 min
05/30 18:03:00 - 05/30 18:09:54	Fixed (0.0, 0.0)	synoptic
05/31 06:25:30 - 05/31 06:32:24	Fixed (0.0, 0.0)	synoptic, shifted 22.5 min
05/31 18:01:00 - 05/31 18:07:54	Fixed (0.0, 0.0)	synoptic, shifted -2.0 min
06/01 05:45:30 - 06/01 05:52:24	Fixed (0.0, 0.0)	synoptic, shifted -17.5 min
06/01 17:41:00 - 06/01 17:47:54	Fixed (0.0, 0.0)	synoptic, shifted -22.0 min
06/02 06:03:00 - 06/02 06:09:54	Fixed (0.0, 0.0)	synoptic
06/02 18:03:00 - 06/02 18:09:54	Fixed (0.0, 0.0)	synoptic
06/03 06:33:00 - 06/03 06:39:54	Fixed (0.0, 0.0)	synoptic, shifted 30.0 min
06/03 18:07:30 - 06/03 18:14:24	Fixed (0.0, 0.0)	synoptic, shifted 4.5 min

PROG= 06 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= 78	1-time(s)	2.0sec											
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn= 82	1-time(s)	2.0sec											
Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn= 52	1-time(s)	2.0sec											
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec
Seqn= 23	1-time(s)	2.0sec											
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048	(1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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XOB #1BA3: AR Standard-A(Filter-Ratio with Al/poly and thin-Be) with PFB, 384x384 at 1064 1048, thin-Be, thick-Al, Al/Poly context, with G-band (1ms/1ms)

Term	Pointing (x, y)	Comment
05/28 21:04:30 - 05/28 23:43:00	Track (-144.4, 197.5) @ 05/28 18:15:00	# plage
05/30 12:19:06 - 05/30 15:03:00	Track (176.4, 194.5) @ 05/30 06:04:30	# plage

PROG= 16 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
Seqn= 42	3-time(s)	2.0sec											

Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	1x1	512x512 (1064, 1048)	Q=95	3	0	2.0sec
Open/thick-Al	Open/thick-Al	close	Safe	Norm	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Seqn= 32 40-time(s) 90.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	34.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	34.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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

Term	Pointing (x, y)	Comment
05/29 02:03:00 - 05/29 05:34:54	Fixed (0.0, 0.0)	# HOP349
05/30 02:26:00 - 05/30 05:54:24	Fixed (0.0, 0.0)	# HOP349
05/31 02:03:00 - 05/31 06:22:24	Fixed (0.0, 0.0)	# HOP349
06/01 02:03:00 - 06/01 05:42:24	Fixed (0.0, 0.0)	# HOP349
06/02 02:34:00 - 06/02 05:59:54	Fixed (0.0, 0.0)	# HOP349
06/03 02:03:00 - 06/03 06:29:54	Fixed (0.0, 0.0)	# HOP349
06/04 02:06:00 - 06/04 05:49:54	Fixed (0.0, 0.0)	# HOP349

PROG= 18 Inf.-time(s)

Subr= 1 1-time(s) 300.0sec												
Seqn= 88 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 50 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 56 1-time(s) 2.0sec												
thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 81 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=95	0	0	2.0sec
Subr= 2 5-time(s) 420.0sec												
Seqn= 8 1-time(s) 2.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #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
05/29 10:03:00 - 05/29 17:44:30	Track (441.6, -102.5) @ 05/29 10:00:00	# QS bright points
05/29 18:37:00 - 05/30 01:54:30	Track (73.8, 195.7) @ 05/29 18:34:00	# plage
05/30 18:13:00 - 05/31 01:59:54	Track (281.7, 193.1) @ 05/30 18:10:00	# plage
05/31 06:35:30 - 05/31 17:16:30	Track (385.5, 191.5) @ 05/31 06:32:30	# plage
05/31 18:11:00 - 06/01 01:59:54	Track (477.7, 190.0) @ 05/31 18:08:00	# plage
06/01 05:55:30 - 06/01 17:37:54	Track (564.9, 188.3) @ 06/01 05:52:30	# plage
06/01 17:51:00 - 06/02 01:59:54	Track (646.0, 186.7) @ 06/01 17:48:00	# plage
06/02 06:13:00 - 06/02 17:59:54	Track (720.9, 185.1) @ 06/02 06:10:00	# plage
06/03 06:47:00 - 06/03 09:59:54	Track (838.0, 182.2) @ 06/03 06:40:00	# plage
06/03 18:17:30 - 06/04 01:36:00	Fixed (0.0, 0.0)	# Full Sun Obs
06/04 06:03:00 - 06/04 07:57:00	Fixed (0.0, 0.0)	# Full Sun Obs

PROG= 15 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 #1C13: Synoptic 7 Filter w/ Al-mesh(512/2048/4096), Al-poly(512/4096/8192), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/23142)

Term	Pointing (x, y)	Comment
05/29 18:27:00 - 05/29 18:33:54	Fixed (0.0, 0.0)	synoptic, shifted 24.0 min
06/04 05:53:00 - 06/04 05:59:54	Fixed (0.0, 0.0)	synoptic, shifted -10.0 min
PROG= 19 1-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 5 1-time(s) 2.0sec		
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
Seqn= 12 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 82 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 52 1-time(s) 2.0sec		
thin-Be/Open	thin-Be/Open close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 23 1-time(s) 4.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 46 1-time(s) 2.0sec		
Open/thick-Be	Open/thick-Be close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 17 1-time(s) 2.0sec		
med-Al/Open	med-Al/Open close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
med-Al/Open	med-Al/Open close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 97 1-time(s) 2.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1B93: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
06/02 18:13:00 - 06/03 01:59:54	Fixed (0.0, -930.0)	# Polar CH
PROG= 03 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 16 2-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 90 1-time(s) 30.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Subr= 3 60-time(s) 2.0sec		
Seqn= 57 1-time(s) 30.0sec		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 4.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1BA1: HOP336 1-filter - Al/poly -384x384, 512ms and 4s, 60s-cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
06/03 10:03:00 - 06/03 13:59:54	Track (-20.0, 586.0) @ 06/03 10:00:00	# HOP336 (north)
06/03 14:03:00 - 06/03 17:24:00	Track (-20.0, -643.9) @ 06/03 14:00:00	# HOP336 (south)
PROG= 01 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 16 2-time(s) 2.0sec		
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 90 1-time(s) 30.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec
Subr= 3 15-time(s) 2.0sec		
Seqn= 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
05/28 11:35:00 - 05/28 18:05:54	Track (251.7, -99.4) @ 05/28 11:32:00	# OP start + 10min, QS bright points
05/28 18:18:00 - 05/28 20:26:00	Track (-144.4, 197.5) @ 05/28 18:15:00	# plage

05/28 21:04:30 - 05/28 23:43:00	Track (-144.4, 197.5)	@ 05/28 18:15:00	# plage
05/29 00:12:30 - 05/29 01:59:54	Track (-144.4, 197.5)	@ 05/28 18:15:00	# plage
05/29 02:03:00 - 05/29 05:34:54	Fixed (0.0, 0.0)		# HOP349
05/29 05:48:00 - 05/29 09:21:30	Track (-41.5, 196.8)	@ 05/29 05:45:00	# plage
05/29 10:03:00 - 05/29 17:44:30	Track (441.6, -102.5)	@ 05/29 10:00:00	# QS bright points
05/29 18:37:00 - 05/30 01:54:30	Track (73.8, 195.7)	@ 05/29 18:34:00	# plage
05/30 02:26:00 - 05/30 05:54:24	Fixed (0.0, 0.0)		# HOP349
05/30 06:07:30 - 05/30 11:46:30	Track (176.4, 194.5)	@ 05/30 06:04:30	# plage
05/30 12:19:06 - 05/30 15:03:00	Track (176.4, 194.5)	@ 05/30 06:04:30	# plage
05/30 15:36:30 - 05/30 17:59:54	Track (176.4, 194.5)	@ 05/30 06:04:30	# plage
05/30 18:13:00 - 05/31 01:59:54	Track (281.7, 193.1)	@ 05/30 18:10:00	# plage
05/31 02:03:00 - 05/31 06:22:24	Fixed (0.0, 0.0)		# HOP349
05/31 06:35:30 - 05/31 17:16:30	Track (385.5, 191.5)	@ 05/31 06:32:30	# plage
05/31 18:11:00 - 06/01 01:59:54	Track (477.7, 190.0)	@ 05/31 18:08:00	# plage
06/01 02:03:00 - 06/01 05:42:24	Fixed (0.0, 0.0)		# HOP349
06/01 05:55:30 - 06/01 17:37:54	Track (564.9, 188.3)	@ 06/01 05:52:30	# plage
06/01 17:51:00 - 06/02 01:59:54	Track (646.0, 186.7)	@ 06/01 17:48:00	# plage
06/02 02:34:00 - 06/02 05:59:54	Fixed (0.0, 0.0)		# HOP349
06/02 06:13:00 - 06/02 17:59:54	Track (720.9, 185.1)	@ 06/02 06:10:00	# plage
06/02 18:13:00 - 06/03 01:59:54	Fixed (0.0, -930.0)		# Polar CH
06/03 02:03:00 - 06/03 06:29:54	Fixed (0.0, 0.0)		# HOP349
06/03 06:47:00 - 06/03 09:59:54	Track (838.0, 182.2)	@ 06/03 06:40:00	# plage
06/03 10:03:00 - 06/03 13:59:54	Track (-20.0, 586.0)	@ 06/03 10:00:00	# HOP336 (north)
06/03 14:03:00 - 06/03 17:24:00	Track (-20.0, -643.9)	@ 06/03 14:00:00	# HOP336 (south)
06/03 18:17:30 - 06/04 01:36:00	Fixed (0.0, 0.0)		# Full Sun Obs
06/04 02:06:00 - 06/04 05:49:54	Fixed (0.0, 0.0)		# HOP349
06/04 06:03:00 - 06/04 07:57:00	Fixed (0.0, 0.0)		# Full Sun 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

* * * * *

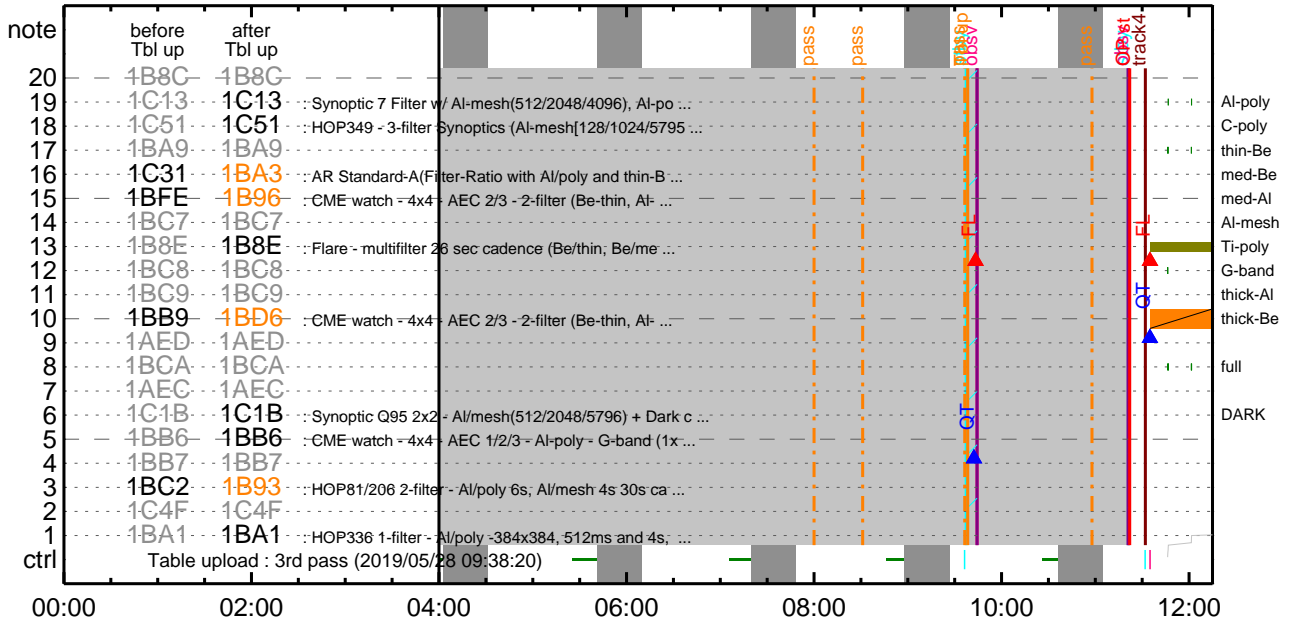
Flare Detection

* * * * *

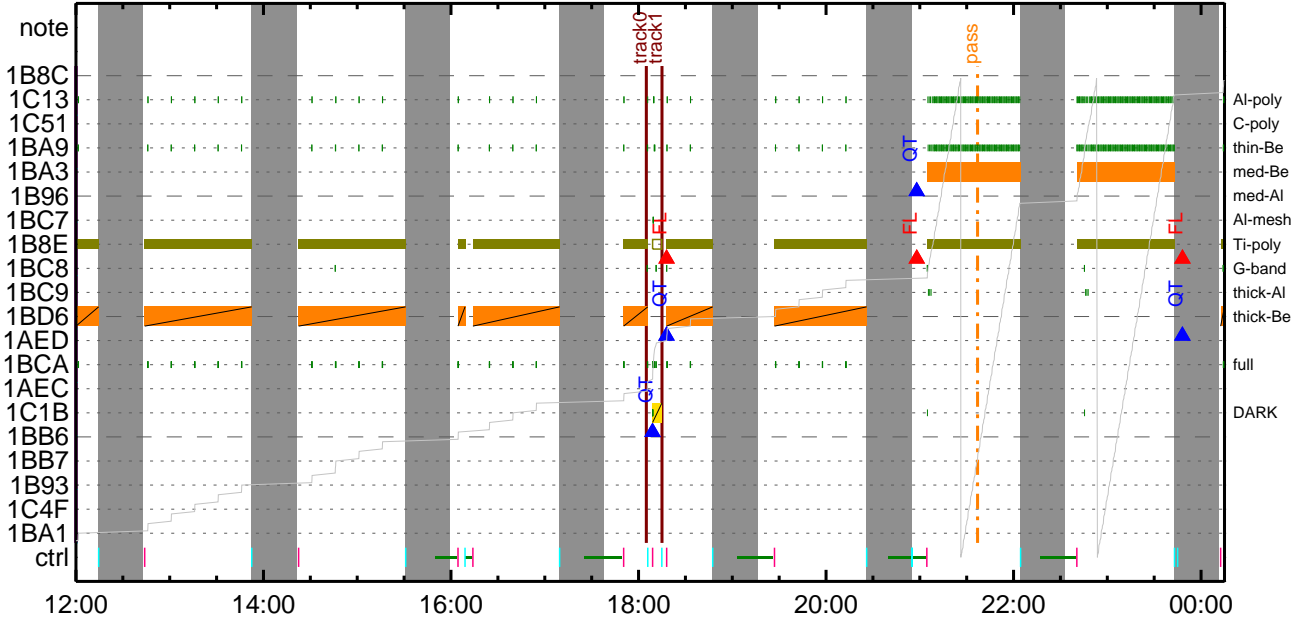
FLD Patrol

Term	Pointing (x, y)	Comment
05/28 11:32:16 - 05/28 18:06:16	Track (251.7, -99.4) @ 05/28 11:32:00	# OP start + 10min, QS bright points
05/28 18:15:16 - 05/29 05:35:16	Track (-144.4, 197.5) @ 05/28 18:15:00	# plage
05/29 05:45:16 - 05/29 18:24:18	Track (-41.5, 196.8) @ 05/29 05:45:00	# plage
05/29 18:34:16 - 05/30 05:54:46	Track (73.8, 195.7) @ 05/29 18:34:00	# plage
05/30 06:04:46 - 05/30 18:00:16	Track (176.4, 194.5) @ 05/30 06:04:30	# plage
05/30 18:10:16 - 05/31 06:22:46	Track (281.7, 193.1) @ 05/30 18:10:00	# plage
05/31 06:32:46 - 05/31 17:58:16	Track (385.5, 191.5) @ 05/31 06:32:30	# plage
05/31 18:08:16 - 06/01 05:42:46	Track (477.7, 190.0) @ 05/31 18:08:00	# plage
06/01 05:52:46 - 06/01 17:38:16	Track (564.9, 188.3) @ 06/01 05:52:30	# plage
06/01 17:48:16 - 06/02 06:00:16	Track (646.0, 186.7) @ 06/01 17:48:00	# plage
06/02 06:10:16 - 06/02 18:00:16	Track (720.9, 185.1) @ 06/02 06:10:00	# plage
06/02 18:10:18 - 06/03 06:30:16	Fixed (0.0, -930.0)	# Polar CH
06/03 06:44:16 - 06/03 18:04:46	Track (838.0, 182.2) @ 06/03 06:40:00	# plage
06/03 18:14:46 - 06/04 05:50:18	Fixed (0.0, 0.0)	# Full Sun Obs
06/04 06:00:16 - 06/05 11:55:00	Fixed (0.0, 0.0)	# Full Sun Obs
Al-poly/Open	Al-poly/Open close	Safe Norm 8ms Obs 8x8 Q=50 30sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

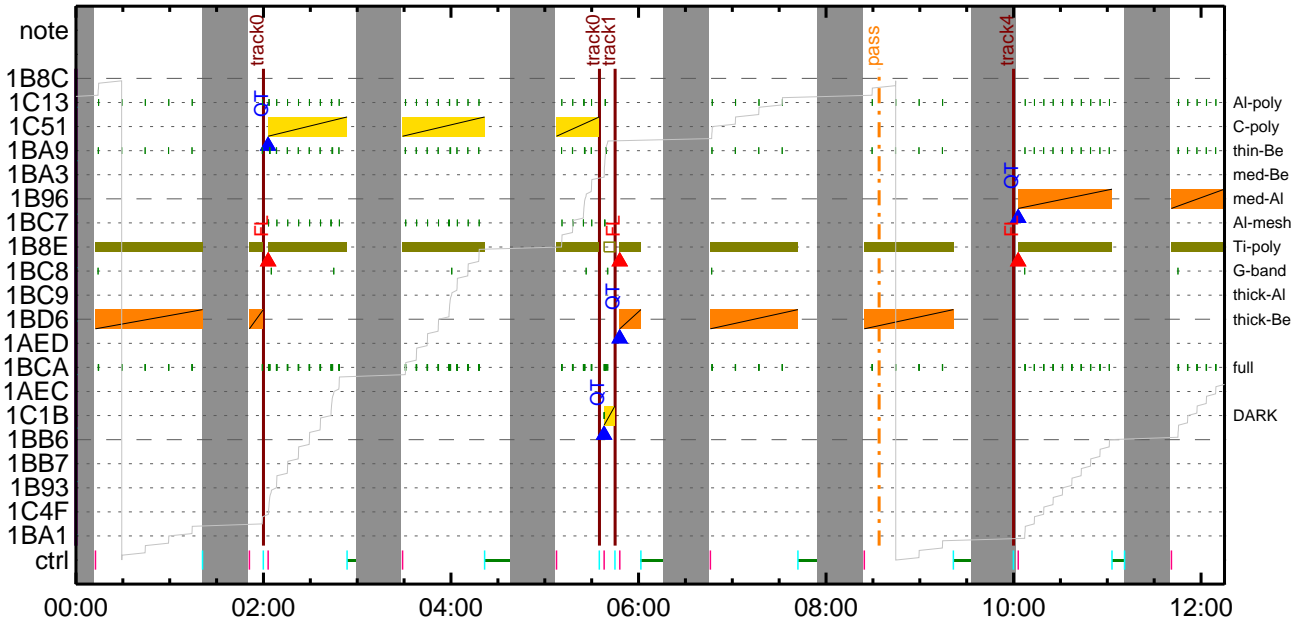
CMDI #0260 2019/05/28



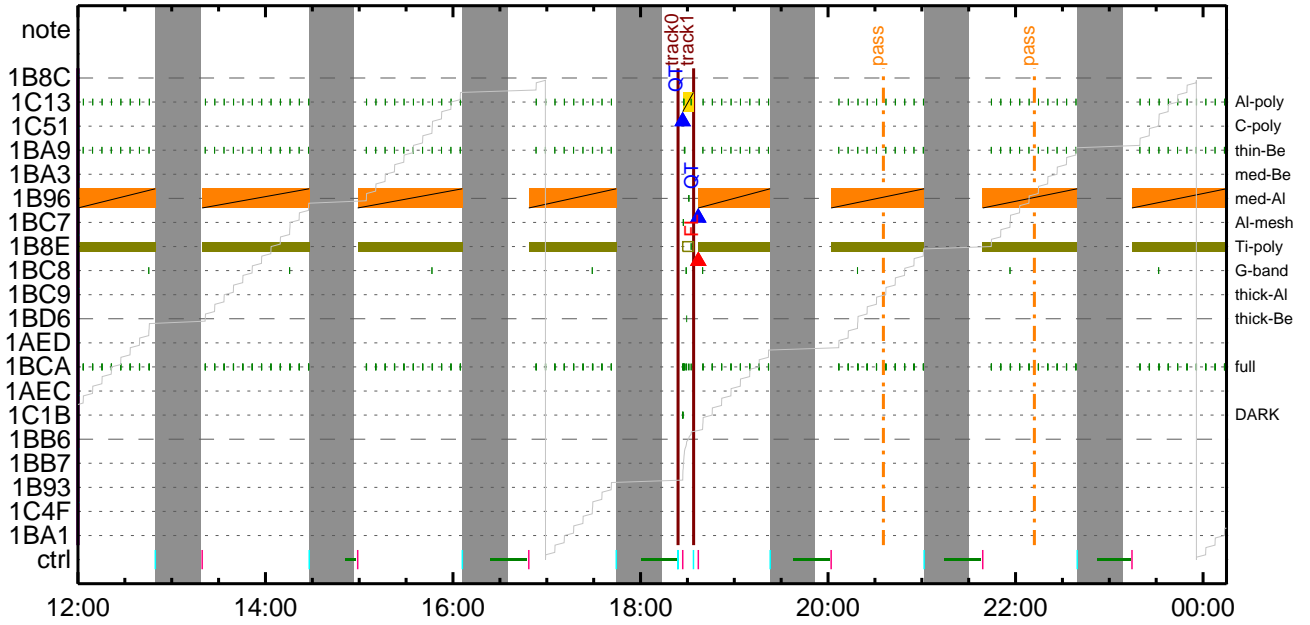
CMDI #0260 2019/05/28



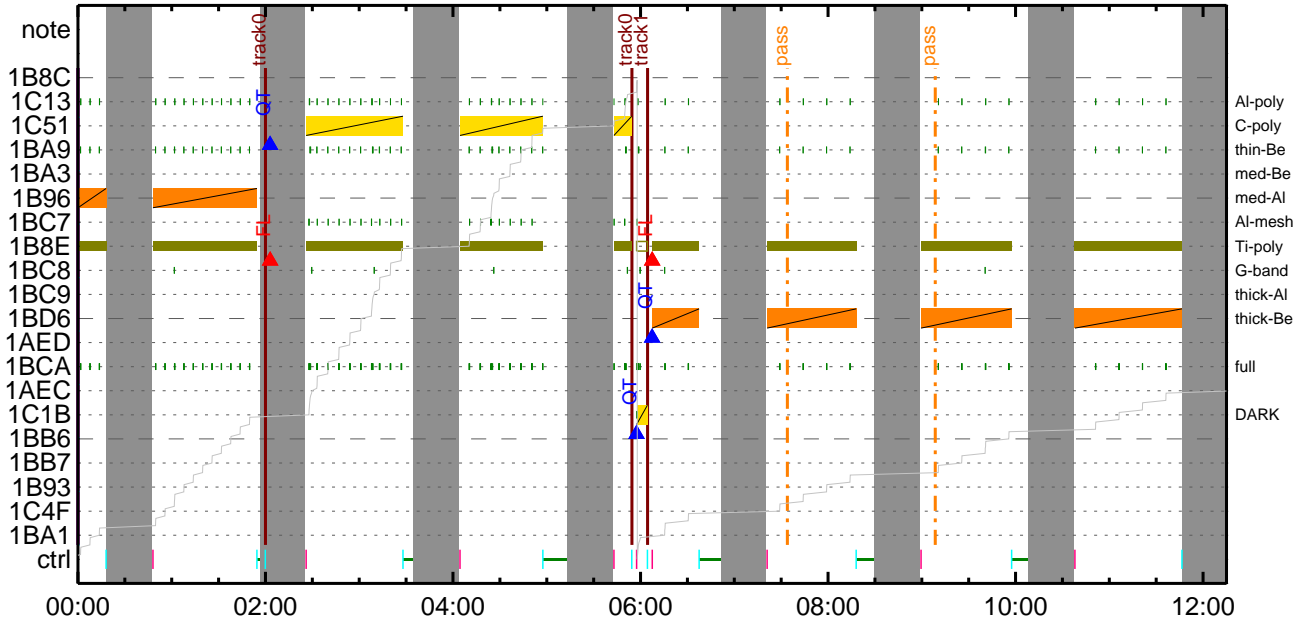
CMDI #0260 2019/05/29



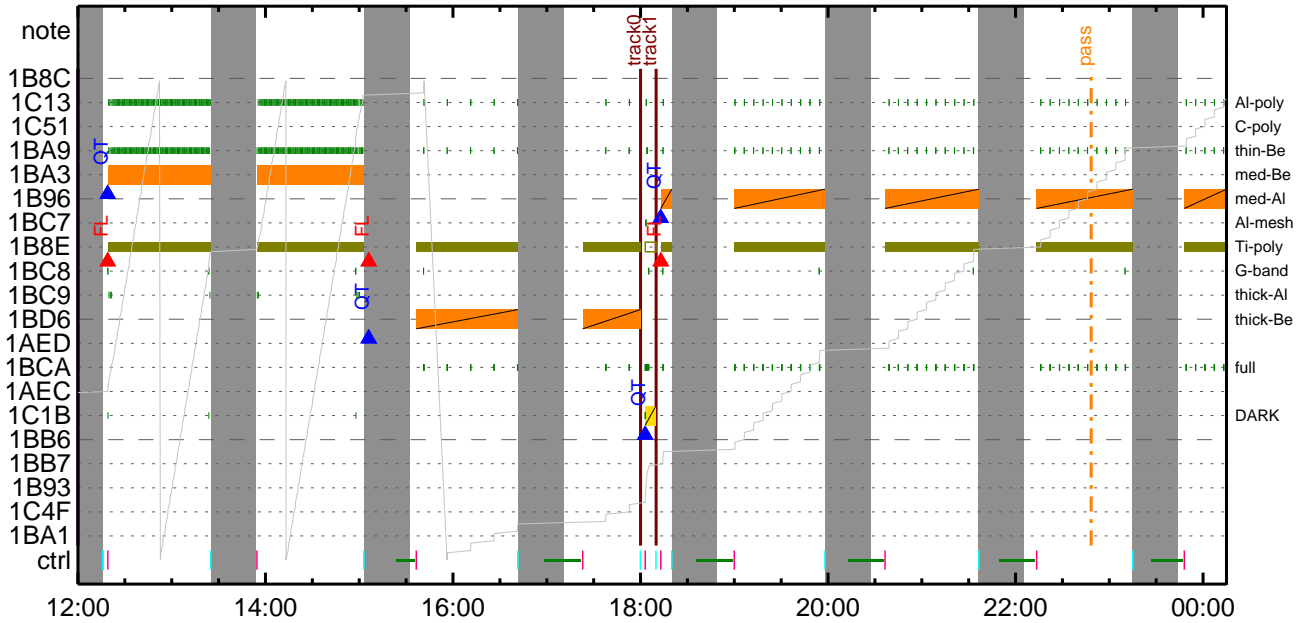
CMDI #0260 2019/05/29



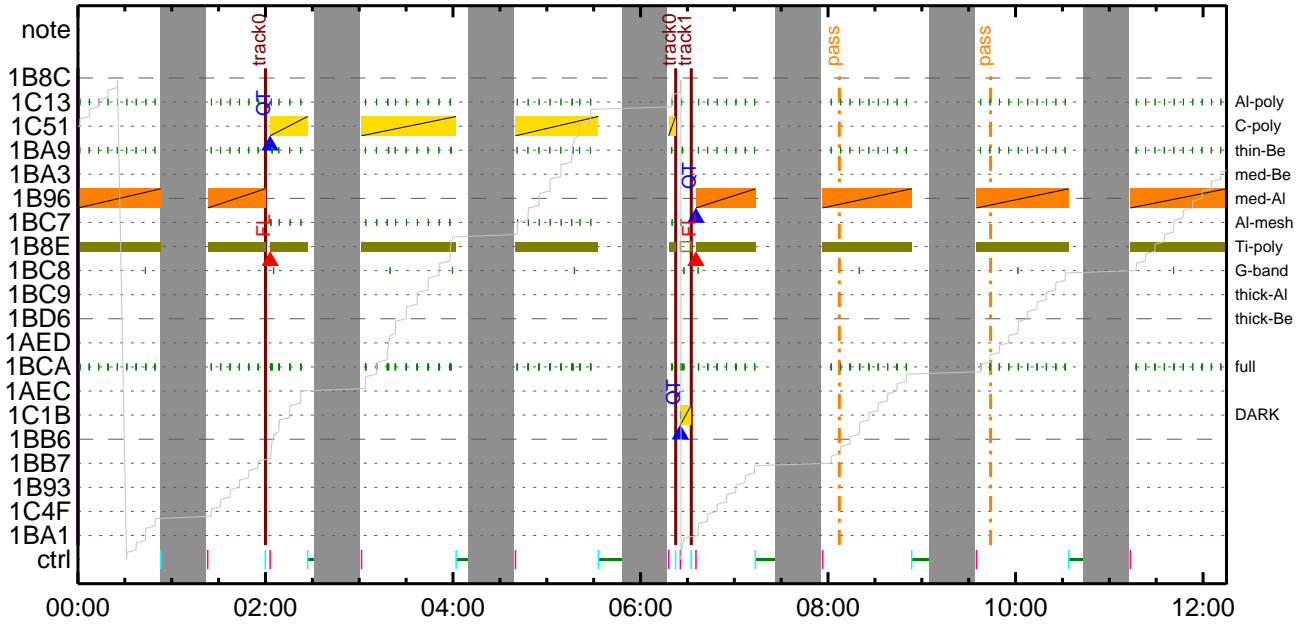
CMDI #0260 2019/05/30



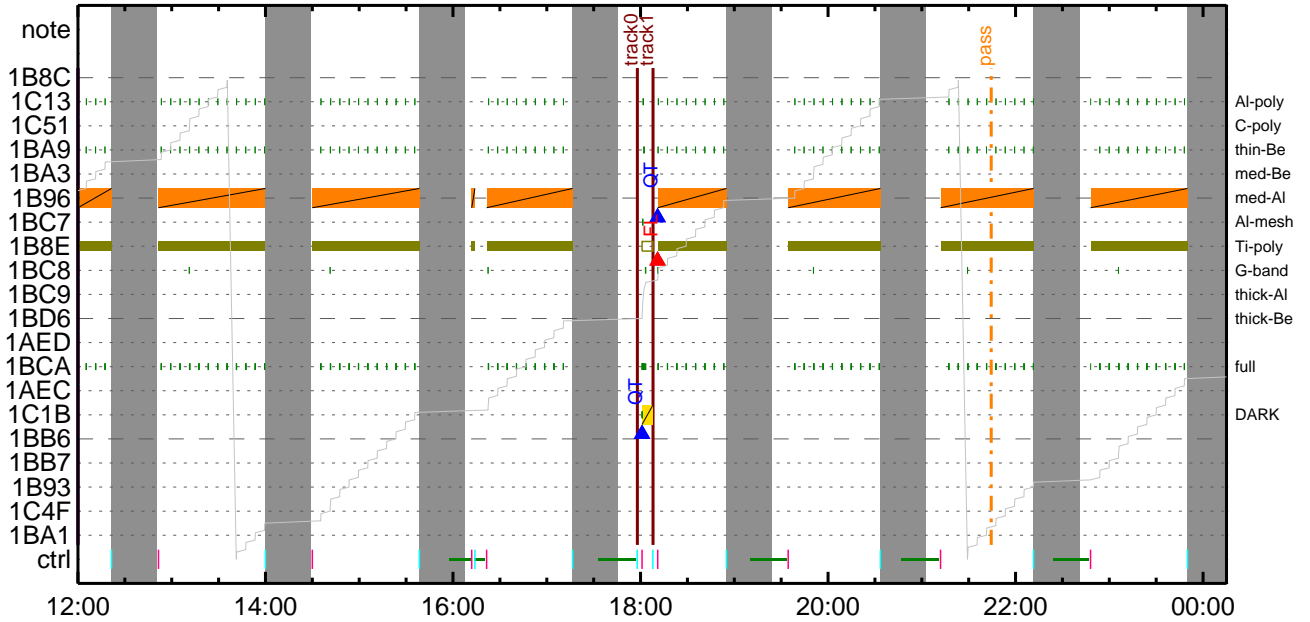
CMDI #0260 2019/05/30



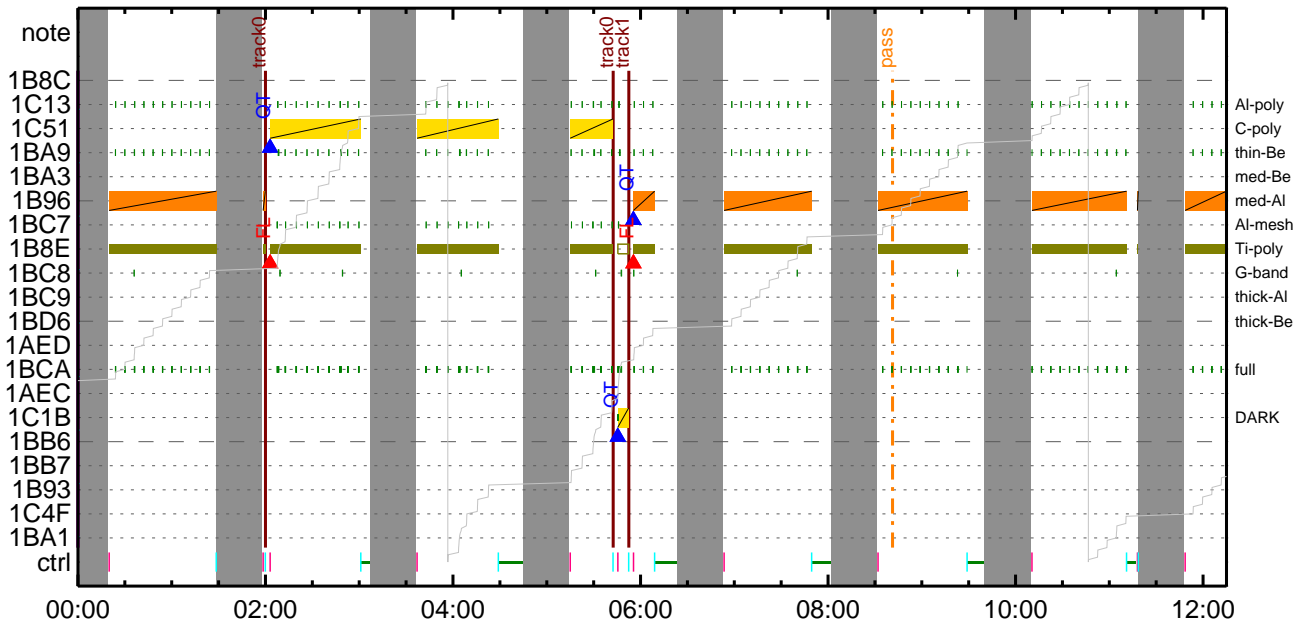
CMDI #0260 2019/05/31



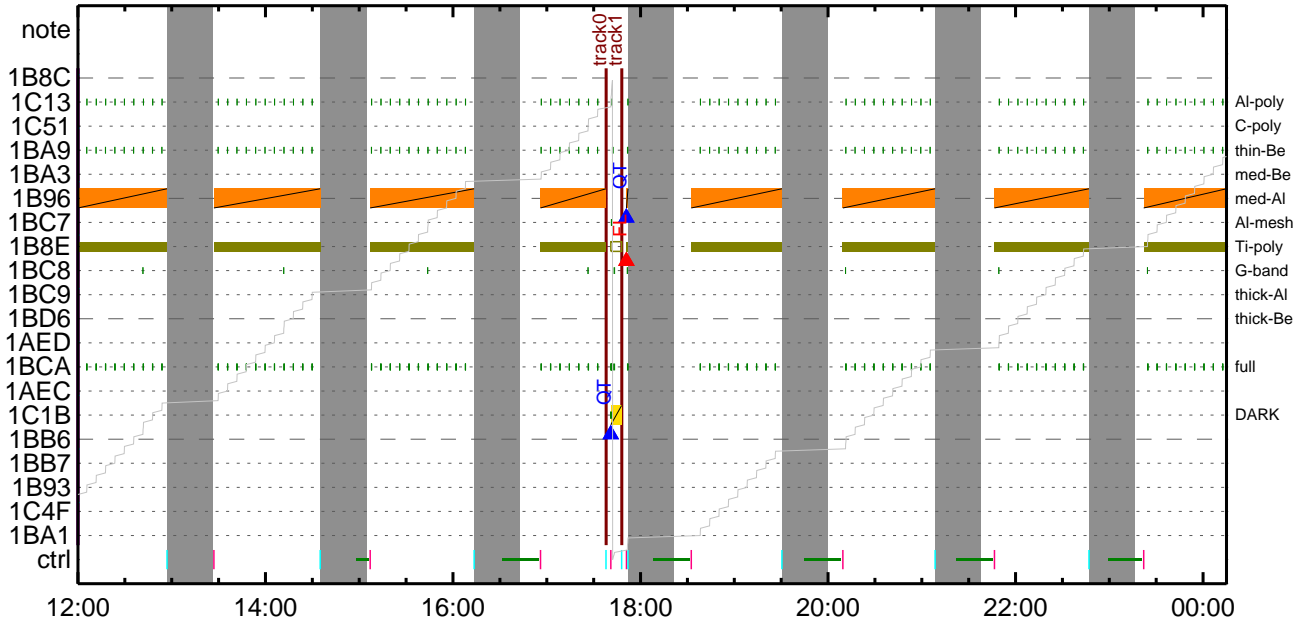
CMDI #0260 2019/05/31



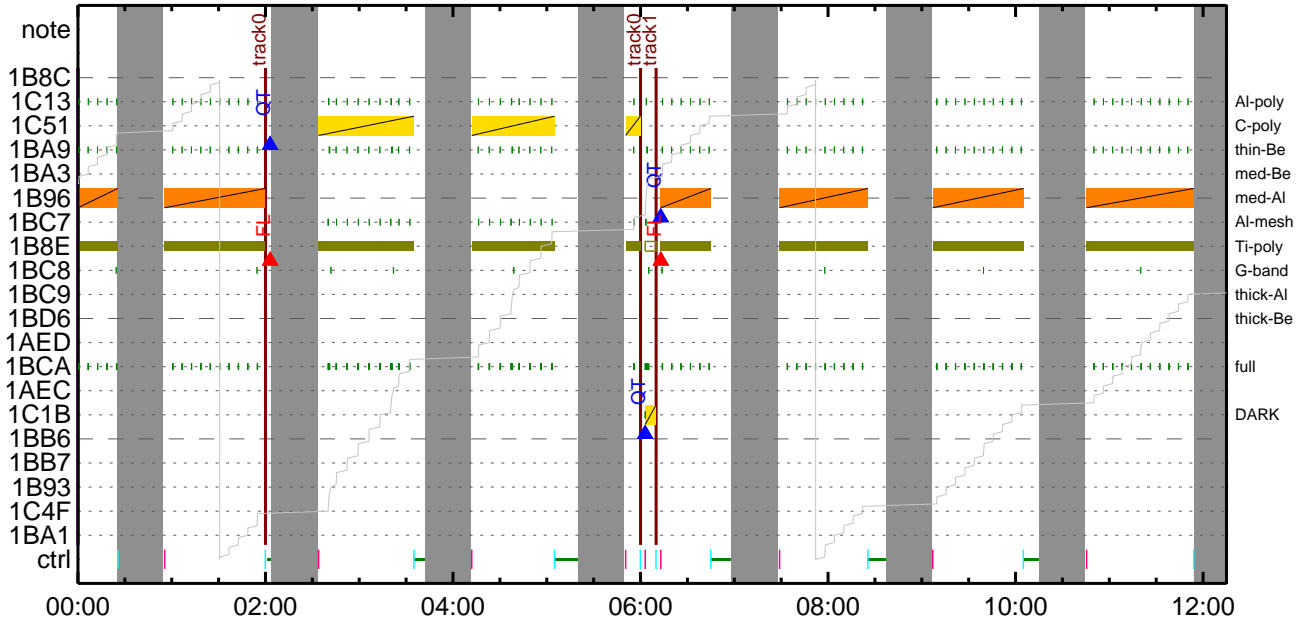
CMDI #0260 2019/06/01



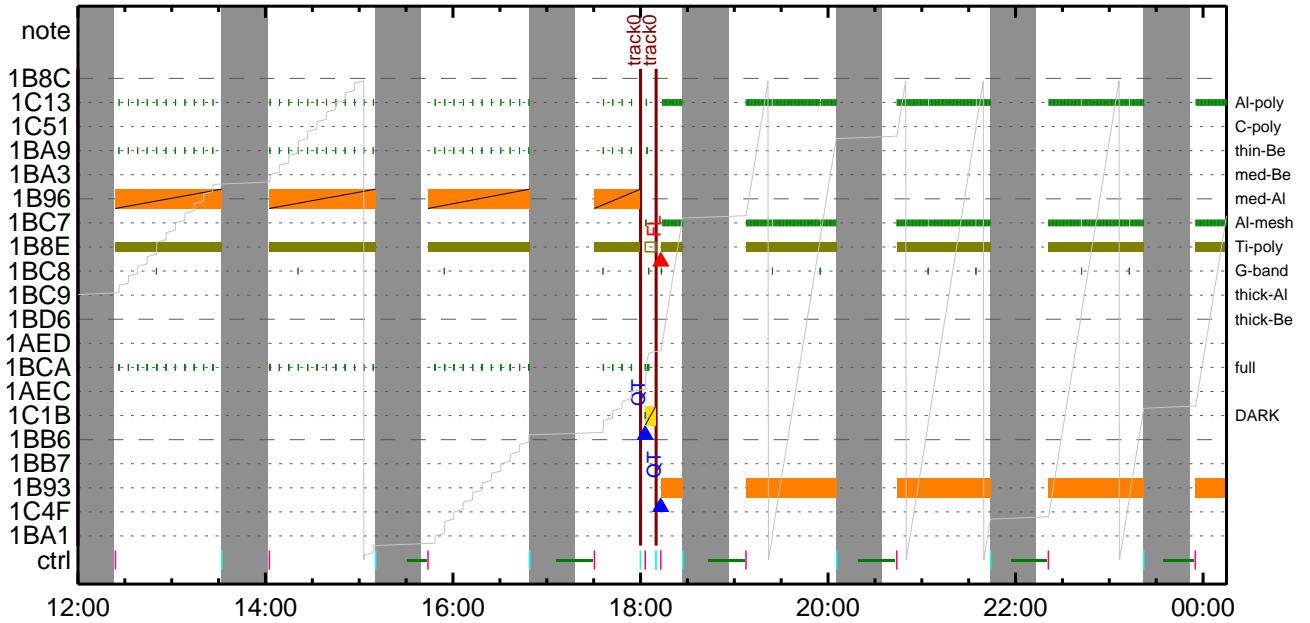
CMDI #0260 2019/06/01



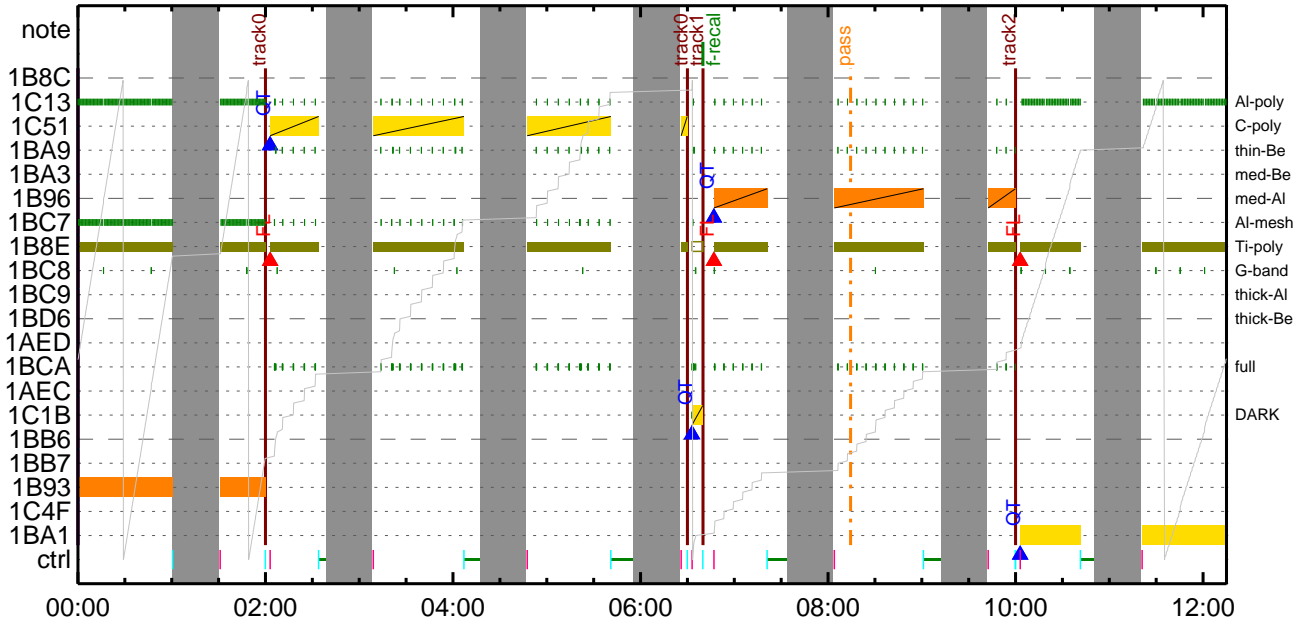
CMDI #0260 2019/06/02



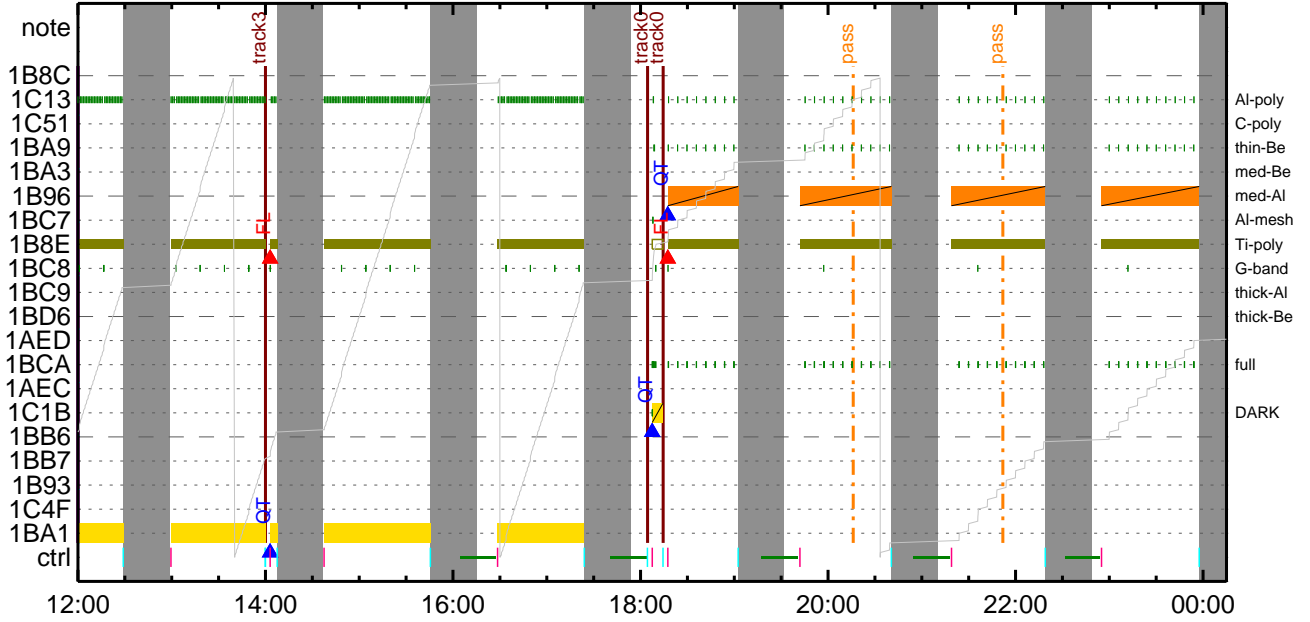
CMDI #0260 2019/06/02



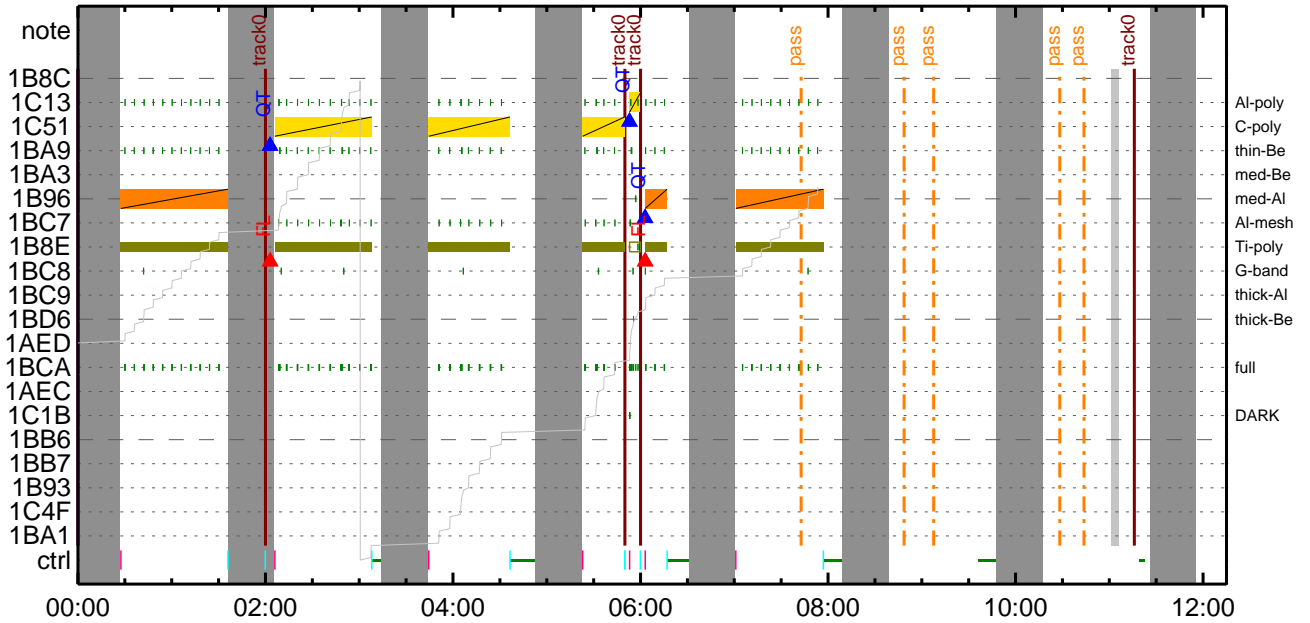
CMDI #0260 2019/06/03



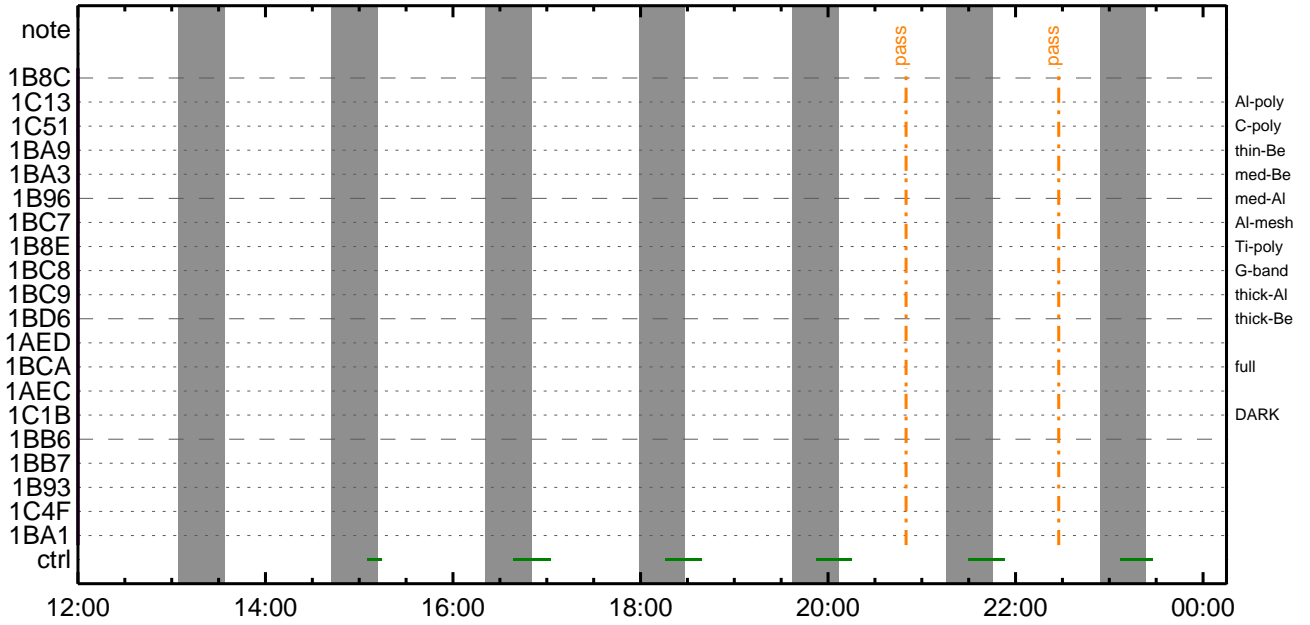
CMDI #0260 2019/06/03



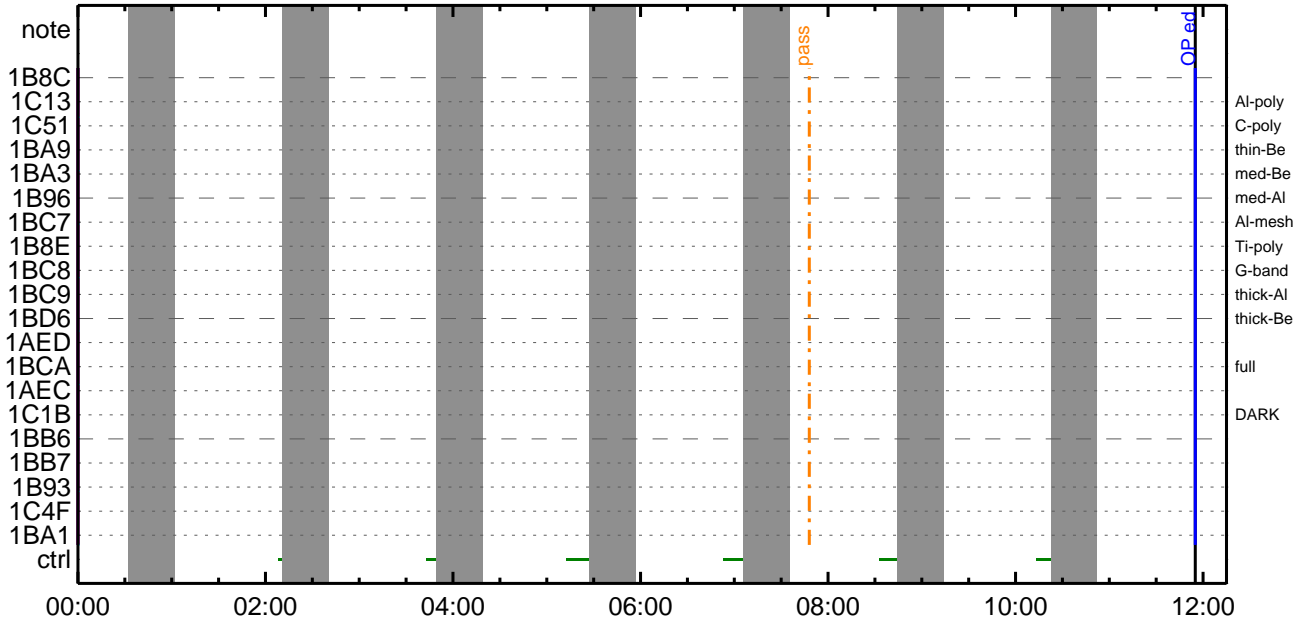
CMDI #0260 2019/06/04



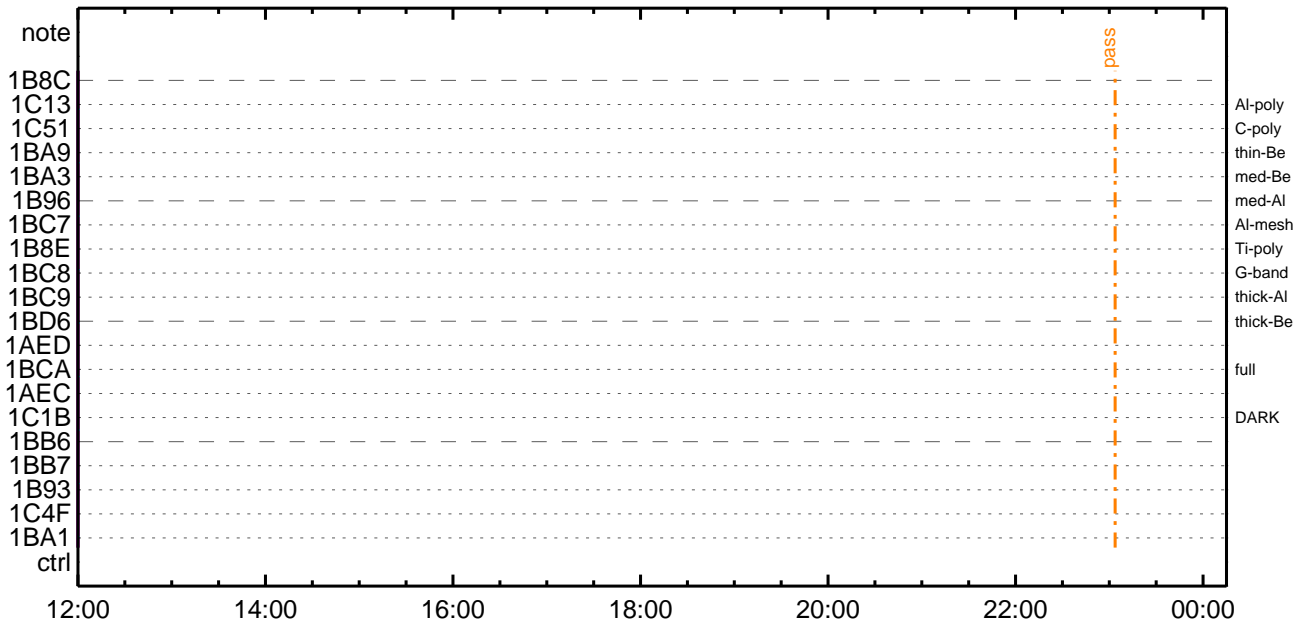
CMDI #0260 2019/06/04



CMDI #0260 2019/06/05



CMDI #0260 2019/06/05




```

0096 C.
0097 C.
0098 . C. *****
0099 C. OP/OGY1;4YEi;4AY6Yx
0100 C. *****
0101 C.
0102 . C. ;ãOP/OGY1;4YEi;ã
0103 . S. OP op-130:OP
0104 ( )
0105 . S. OG og-130:OG
0106 ( )
0107 C.
0108 . C. ;ãNMOG&OPîî°è¥AY6Yx;ã
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 . C. ¥À¥6Yx½ª î»òð³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 . C. RAM ID=NMOG²î¼E¹Ç•ë² îOK²ð³ îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 . C. ¥À¥6Yx½ª î»òð³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 . C. RAM ID=NMOG²î¼E¹Ç•ë² îOK²ð³ îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 . C. ¥À¥6Yx½ª î»òð³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 . C. RAM ID=NMOG,RAM ID=OP²î¼E¹Ç•ë² îOK²ð³ îÇ§
0165 C.
0166 . C. ***** °E²¼²î¼E¹Ç•ë² îOK²ð³ îÇ§ *****
0167 C. DHU¥â;¼YEi;E¼Y½, ¥i;¼YEi;Eòðîã²
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 . C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 . C. NOTICE ;§ OPOG UPLOAD²-Á÷çîNG²î¼E¹Ç•ë² îOK²ð³ îÇ§ *****
0180 C. çç[HK1_DMP_CHK_FLG] EQ NON
0181 C.
0182 . C. TI¥³¥P¥6Yx½ª î»òð³ îÇ§ (UT)
0183 +. TI 2019-05-28 11:17:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2019-05-28 11:17:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2019-05-28 11:17:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2019-05-28 11:21:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αïÄë%îíñòîŷÄŷ$ŷÄŷ-¹àîŮ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîŮ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]       EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]        EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]        EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]        EQ      EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»ò³îç$
0226 C.          çç[HK1_DMP_CHK_FLG]        EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαîŷÊ¹ç•è²îOKò³îç$
0229 C.
0230 C. DHUŷâ;¼ŷÊ;Êŷ¼.ŷî;¼ŷÊ;Êòðîãα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]        EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]        EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]     EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]     EQ      4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2019-05-28 11:21:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2019-05-28 11:21:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2019-05-28 11:21:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC      (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP `ûÃîî»ò¼ŷòÊÄò¹òèDCBC•×²è *****
0265 C. (¼ª°îŷÖŷÄŷËŷŷËŷâŷçŷèòÊ¼α¼Ä»Ůα¹òè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷDŷ¹.İ Daily±;îñòË´Øα¹òèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. îãLOSŷÄŷ$ŷÄŷ-¼Ä»Ů;ã
0276 C.
0277 C. ***** LOS *****
0278 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-131 2019-05-28 11:57:50 94 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Ä»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÖYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èö¿òÄò•µ°Æ»Í×ÁÇöÍYçYÁY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈòÈ¼°ÇÔò•ò¿¼ì¹çòí;çÄ®, ùò¹òèòòòçÄ+¿®ò•òÈòòò³òÈ;f
0011 +. DC 02-8E AOCU_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 AOCU_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 AOCSDUMP 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 AOCU_ORB_UPD
0044 . C.
0045 . C. ***** AOCs Commands (Orbital Element Update) *****
0046 C. Update the orbital element
0047 +. DC 02-50 AOCU_ORB_PRPGT_START
0048 BC (16)
0049 + DC 02-8E AOCU_ORB_UPD
0050 C.
0051 C. <A_ORB>[ORBIT] EPC = 5396567.3 +- 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 2m7s
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 2019-05-28 11:21:50.0
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 `ûÄÏòÍ»ò¼YòÈÄò¹òèDCBC•×²è *****
0081 C. (%á°íYÓYÁYÈY¿YÈYáYçYèòÈ¾¼òò¼Ä»Ûò¹òè)
0082 . S. DC-BC dcbc-402:DCBC
0083 (MDP_known_event)
0084 C.
0085 C.
0086 . C. ***** YD¥¹•Ï 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-¼Ä»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_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG ____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 05 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 06 80 80 08 08)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 07 80 80 20 20)
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 85 83 06 06)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 0b 85 83 08 08)
0138 + DC 07-F0 MDP_XRT_ROI_SET
0139 BC (cd 0f 80 80 06 06)
0140 + DC 07-F0 MDP_XRT_ROI_SET
0141 BC (cd 10 80 80 08 08)
0142 + DC 07-F0 MDP_XRT_FLD_DIS
0143 BC (d9)
0144 + DC 07-F0 MDP_XRT_FLRCTRL_DIS
0145 BC (c9)
0146 + DC 07-F0 MDP_XRT_ARS_DIS
0147 BC (d5)
0148 + DC 07-F0 MDP_XRT_AEC_RESET
0149 BC (d0)
0150 + DC 07-F0 MDP_XRT_FLD_RESET
0151 BC (da)
0152 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0153 BC (c4 05)
0154 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0155 BC (c5 0d)
0156 . C. ----- Success Verify ? OK / NG ____
0157 C.
0158 C.
0159 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0160 C.
0161 +. DC 07-F0 MDP_XRT_MODE_OBSV
0162 BC (c2)
0163 +. TI 2019-05-28 11:21:02.0
0164 DC 07-F0 MDP_XRT_MODE_OBSV
0165 BC (c2)
0166 . C. ----- Success Verify ? OK / NG ____
0167 C.
0168 C. ***** XRT END *****
0169 C.
0170 . C. ***** MDP `úÃîï»ö¼ÿðÊÃð¹ñèDCBC•x²è *****
0171 C. (¼ã°îÿÖÿÄÿËÿÏÿËÿÄÿÇÿÈÿ¼ã¼Ä»Û¹ñè)
0172 . S. DC-BC dcbc-402:DCBC
0173 (MDP_known_event)
0174 C.
0175 C.
0176 . C. ***** ¼Dÿ¹•Ï Daily±¿ÎÑñÊ´Ø¹ñèDCBC•x²è *****
0177 . S. DC-BC dcbc-153:DCBC
0178 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0179 C.
0180 C.
0181 . C. ;ãLOSÿÁÿSÿÄÿ¼Ä»Û;ã
0182 C.
0183 . C. ***** LOS *****
0184 C.

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-133 2019-05-28 11:57:50 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY~¼Á»Û;ã
0005 C.
0006 C. YÀYß;¼Y³YFÿÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿µ°Æ»Í×ÁÇµÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈÈÈ¼°ÇÔµ•¿¼i¹çµÍ;çÀ®, ù¹µèµµÇÁ+¿®µ•µÈµµµ³µÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP `úÁîµí»ò¼YµÈÄµ¹µèDCBC•x²è *****
0016 C. (¼á°íYÓYÁYÈYßYÉYáYçYèµ¼µµ¼Á»Û¹µè)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** YDÿ¹•İ Daily+¿ÍÑµÈ´Øµ¹µèDCBC•x²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ;ãLOSÁYŞYÁY~¼Á»Û;ã
0027 C.
0028 . C. ***** LOS *****
0029 C.
```

May 28, 19 11:57

XRT_OGLIST_0260.chk

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*** OP Sequence for XRT ***

2019/05/28	11:31:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	11:31:56.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/05/28	11:32:00.0	AOCS_OrE-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	04 00 00 00 00		
2019/05/28	11:32:16.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/05/28	11:32:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/05/28	11:32:20.5	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/05/28	11:32:22.5	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/05/28	11:32:24.5	XRT_FLD_RESET_421_OG [0x1a5]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	11:34:56.5	XRT_QT_PROG_SET_428_OG [0x1ac]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2019/05/28	11:34:58.5	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2019/05/28	11:35:00.5	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	12:14:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	12:14:32.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	12:14:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/05/28	12:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/28	12:43:00.0	XRT_Custom_430_OG [0x1ae]					
2019/05/28	12:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	13:52:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	13:52:32.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	13:52:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/05/28	13:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/28	14:21:30.0	XRT_Custom_430_OG [0x1ae]					
2019/05/28	14:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	15:31:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	15:31:02.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	15:31:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/05/28	15:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/28	16:03:30.0	XRT_Custom_430_OG [0x1ae]					
2019/05/28	16:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	16:09:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	16:09:02.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	16:09:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/05/28	16:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/28	16:13:00.0	XRT_Custom_430_OG [0x1ae]					
2019/05/28	16:14:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	17:09:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	17:09:32.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/28	17:09:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/05/28	17:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/28	17:49:30.0	XRT_Custom_430_OG [0x1ae]					
2019/05/28	17:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/28	18:05:00.0	AOCS_OrE-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2019/05/28	18:05:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/28	18:05:56.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/05/28	18:06:16.0	XRT_FLD_DIS_409_OG [0x199]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2019/05/28	18:06:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2019/05/28	18:06:20.0	XRT_ARS_DIS_433_OG [0x1b1]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/05/28	18:08:58.0	XRT_QT_PROG_SET_407_OG [0x197]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06		

2019/05/28	18:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/05/28	18:14:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	18:14:56.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/05/28	18:15:00.0	AOCS_OrE-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	01 00 00 00 00			
2019/05/28	18:15:16.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2019/05/28	18:15:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2019/05/28	18:15:20.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2019/05/28	18:15:22.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/05/28	18:15:24.0	XRT_FLD_RESET_421_OG [0x1a5]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	18:17:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a			
2019/05/28	18:17:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2019/05/28	18:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/05/28	18:47:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	18:47:32.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	18:47:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/05/28	18:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/05/28	19:26:00.0	XRT_Custom_430_OG [0x1ae]						
2019/05/28	19:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/05/28	20:26:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	20:26:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	20:26:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/05/28	20:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/05/28	20:55:00.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	20:55:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	20:55:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2019/05/28	20:55:24.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2019/05/28	20:55:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2019/05/28	20:55:28.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2019/05/28	20:55:30.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/05/28	20:55:32.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	20:58:02.0	XRT_QT_PROG_SET_432_OG [0x1b0]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10			
2019/05/28	20:58:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2019/05/28	21:03:30.0	XRT_Custom_430_OG [0x1ae]						
2019/05/28	21:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/05/28	22:04:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	22:04:32.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	22:04:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/05/28	22:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/05/28	22:39:30.0	XRT_Custom_430_OG [0x1ae]						
2019/05/28	22:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/05/28	23:43:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	23:43:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2019/05/28	23:43:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/05/28	23:45:00.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/05/28	23:45:02.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/05/28	23:45:22.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2019/05/28	23:45:24.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2019/05/28	23:45:26.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			

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2019/05/28	23:45:28.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/28	23:45:30.0	XRT_FLD_RESET_421_OG [0x1a5]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/28	23:46:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/28	23:48:02.0	XRT_QT_PROG_SET_428_OG [0x1ac]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2019/05/28	23:48:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/29	00:11:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	00:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	01:21:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	01:21:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	01:21:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	01:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	01:50:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	01:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/29	02:00:00.0	AOCS_Or-e-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/29	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/29	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/29	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/29	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2019/05/29	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/29	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	02:53:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	02:53:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	02:53:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	02:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	03:28:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	03:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	04:21:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	04:21:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	04:21:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	04:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	05:06:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	05:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	05:34:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	05:34:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/29	05:35:00.0	AOCS_Or-e-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/29	05:35:16.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/05/29	05:35:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/05/29	05:35:20.0	XRT_ARS_DIS_433_OG [0x1b1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	05:37:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2019/05/29	05:38:00.5	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	05:44:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	05:44:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/29	05:45:00.0	AOCS_Or-e-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2019/05/29	05:45:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/29	05:45:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							

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2019/05/29	05:45:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/29	05:45:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	05:45:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	05:47:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2019/05/29	05:47:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/05/29	05:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	06:01:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	06:01:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	06:01:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	06:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	06:45:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/29	06:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	07:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	07:42:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	07:42:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	07:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	08:23:30.0	XRT_Custom_430_OG [0x1ae]								
2019/05/29	08:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	09:21:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	09:21:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	09:21:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	09:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	09:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/05/29	10:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00	00
2019/05/29	10:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/29	10:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/29	10:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/29	10:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	10:00:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	10:02:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2019/05/29	10:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/05/29	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	11:03:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	11:03:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	11:03:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	11:06:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	11:11:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	11:11:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	11:11:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	11:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	11:40:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/29	11:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	12:49:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	12:49:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	12:49:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	12:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	13:18:30.0	XRT_Custom_430_OG [0x1ae]								

2019/05/29	13:19:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	14:28:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	14:28:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	14:28:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	14:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	14:58:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	14:59:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	16:06:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	16:06:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	16:06:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	16:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	16:47:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	16:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	17:44:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	17:44:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	17:44:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	17:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	18:23:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	18:23:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	18:23:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/29	18:24:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/29	18:24:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/05/29	18:24:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/05/29	18:24:22.0	XRT_ARS_DIS_443_OG [0x1bb]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	18:26:58.0	XRT_QT_PROG_SET_437_OG [0x1b5]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13				
2019/05/29	18:27:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	18:33:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	18:33:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/29	18:34:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2019/05/29	18:34:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/29	18:34:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/29	18:34:20.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/29	18:34:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/29	18:34:24.0	XRT_FLD_RESET_421_OG [0x1a5]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	18:36:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2019/05/29	18:36:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/29	18:37:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	19:23:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	19:23:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	19:23:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	19:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	20:01:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	20:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/29	21:01:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	21:01:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	21:01:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	21:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	21:38:01.0	XRT_Custom_430_OG [0x1ae]							
2019/05/29	21:39:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]							

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2019/05/29	22:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/29	22:39:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/29	22:39:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/29	22:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/29	23:13:31.0	XRT_Custom_430_OG [0x1ae]								
2019/05/29	23:14:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	00:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	00:18:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	00:18:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	00:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	00:47:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	00:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	01:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	01:54:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	01:54:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	01:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/30	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/30	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/30	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/30	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/30	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/30	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2019/05/30	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/30	02:25:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	02:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	03:28:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	03:28:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	03:28:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	03:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	04:03:30.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	04:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	04:57:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	04:57:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	04:57:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	05:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	05:42:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	05:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	05:54:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	05:54:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/30	05:54:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/30	05:54:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/05/30	05:54:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/05/30	05:54:50.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/30	05:57:28.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2019/05/30	05:57:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	06:04:24.0	XRT_CTRL_MANU_402_OG [0x192]								

2019/05/30	06:04:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	06:04:30.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/05/30	06:04:46.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00
2019/05/30	06:04:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2019/05/30	06:04:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/05/30	06:04:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/05/30	06:04:54.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/05/30	06:07:26.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	06:07:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2019/05/30	06:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/05/30	06:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/05/30	06:37:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	06:37:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	06:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/05/30	07:20:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/05/30	07:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2019/05/30	08:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/05/30	08:18:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	08:18:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	08:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/05/30	08:58:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/05/30	08:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2019/05/30	09:57:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/05/30	09:57:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	09:57:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	10:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/05/30	10:37:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/05/30	10:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2019/05/30	11:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/05/30	11:46:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	11:46:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	11:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/05/30	12:16:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/05/30	12:16:02.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_MANU_402_OG [0x192]			
2019/05/30	12:16:04.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	12:16:24.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2019/05/30	12:16:26.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2019/05/30	12:16:28.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/05/30	12:16:30.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/05/30	12:16:32.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/05/30	12:19:02.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	12:19:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2019/05/30	12:19:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/05/30	13:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/05/30	13:25:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/05/30	13:25:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/05/30	13:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/05/30	13:53:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9

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2019/05/30	13:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	15:03:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	15:03:02.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/30	15:03:22.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/30	15:03:24.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/30	15:03:26.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/30	15:03:28.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/30	15:03:30.0	XRT_FLD_RESET_421_OG [0x1a5]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	15:06:02.0	XRT_QT_PROG_SET_428_OG [0x1ac]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2019/05/30	15:06:04.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/30	15:35:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/30	15:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	16:41:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	16:41:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	16:41:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	16:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	17:22:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/30	17:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	17:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/30	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/30	18:00:16.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/05/30	18:00:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/05/30	18:00:20.0	XRT_ARS_DIS_433_OG [0x1b1]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/30	18:02:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06				
2019/05/30	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	18:09:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/30	18:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2019/05/30	18:10:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/30	18:10:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/30	18:10:20.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/30	18:10:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/30	18:10:24.0	XRT_FLD_RESET_421_OG [0x1a5]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	18:12:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f				
2019/05/30	18:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/30	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	18:20:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	18:20:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	18:20:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	18:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	18:59:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/30	19:00:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	19:58:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	19:58:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	19:58:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	20:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	20:35:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/30	20:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							

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2019/05/30	21:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	21:36:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	21:36:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	21:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	22:12:30.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	22:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/30	23:15:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/30	23:15:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/30	23:15:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/30	23:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/30	23:47:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/30	23:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	00:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	00:53:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	00:53:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	00:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	01:22:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/31	01:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2019/05/31	02:00:00.0	AOCs_Orе-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2019/05/31	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/31	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/31	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/31	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/31	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2019/05/31	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2019/05/31	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	02:27:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	02:27:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	02:27:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	02:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	03:00:30.0	XRT_Custom_430_OG [0x1ae]								
2019/05/31	03:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	04:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	04:02:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	04:02:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	04:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	04:39:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/31	04:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	05:33:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	05:33:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	05:33:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	05:36:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	06:17:00.0	XRT_Custom_430_OG [0x1ae]								
2019/05/31	06:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	06:22:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	06:22:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				

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2019/05/31	06:22:30.0	AOCS_OrE-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00	00	00	00	00
2019/05/31	06:22:46.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/05/31	06:22:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/05/31	06:22:50.0	XRT_ARS_DIS_433_OG [0x1b1] MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/31	06:25:28.0	XRT_QT_PROG_SET_407_OG [0x197] MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2019/05/31	06:25:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	06:32:24.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	06:32:26.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/05/31	06:32:30.0	AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM	5	02-76	01	00	00	00	00
2019/05/31	06:32:46.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/05/31	06:32:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/05/31	06:32:50.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/05/31	06:32:52.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/05/31	06:32:54.0	XRT_FLD_RESET_421_OG [0x1a5] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	06:35:26.0	XRT_QT_PROG_SET_435_OG [0x1b3] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2019/05/31	06:35:28.0	XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/05/31	06:35:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	07:13:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	07:13:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	07:13:34.0	XRT_PREFLR_STRT_444_OG [0x1bc] MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	07:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	07:55:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/31	07:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	08:53:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	08:53:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	08:53:34.0	XRT_PREFLR_STRT_444_OG [0x1bc] MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	08:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	09:34:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/31	09:35:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	10:34:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	10:34:02.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	10:34:04.0	XRT_PREFLR_STRT_444_OG [0x1bc] MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	10:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	11:12:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/31	11:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	12:21:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	12:21:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	12:21:34.0	XRT_PREFLR_STRT_444_OG [0x1bc] MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	12:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	12:50:30.0	XRT_Custom_430_OG [0x1ae]							
2019/05/31	12:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	14:00:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	14:00:02.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				
2019/05/31	14:00:04.0	XRT_PREFLR_STRT_444_OG [0x1bc] MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/05/31	14:03:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/05/31	14:29:00.0	XRT_Custom_430_OG [0x1ae]							
2019/05/31	14:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/05/31	15:38:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/05/31	15:38:32.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da				

2019/05/31	15:38:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	15:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/05/31	16:11:00.0	XRT_Custom_430_OG [0x1ae]					
2019/05/31	16:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	16:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	16:14:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	16:14:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	16:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/05/31	16:20:30.0	XRT_Custom_430_OG [0x1ae]					
2019/05/31	16:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	17:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	17:16:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	17:16:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	17:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/05/31	17:57:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	17:57:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2019/05/31	17:58:00.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2019/05/31	17:58:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2019/05/31	17:58:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2019/05/31	17:58:20.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/05/31	18:00:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2019/05/31	18:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	18:07:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	18:07:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2019/05/31	18:08:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00	
2019/05/31	18:08:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/05/31	18:08:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/05/31	18:08:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/05/31	18:08:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/05/31	18:08:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	18:10:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f	
2019/05/31	18:10:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2019/05/31	18:11:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	18:55:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	18:55:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	18:55:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	18:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/05/31	19:33:30.0	XRT_Custom_430_OG [0x1ae]					
2019/05/31	19:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	20:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	20:33:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	20:33:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	20:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/05/31	21:11:00.0	XRT_Custom_430_OG [0x1ae]					
2019/05/31	21:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/05/31	22:11:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/05/31	22:11:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/05/31	22:11:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/05/31	22:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					

2019/05/31	22:47:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/05/31	22:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/05/31	23:50:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/05/31	23:50:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/05/31	23:50:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/05/31	23:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/01	00:19:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/01	00:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/06/01	01:28:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	01:28:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	01:28:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/01	01:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/01	01:57:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/01	01:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/06/01	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/01	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]	AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/01	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/01	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/01	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/01	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/01	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/01	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12		
2019/06/01	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2019/06/01	03:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	03:01:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	03:01:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/01	03:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/01	03:36:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/01	03:37:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/06/01	04:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	04:29:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	04:29:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/01	04:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/01	05:14:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/01	05:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2019/06/01	05:42:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	05:42:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	05:42:30.0	AOCS_Ore-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/01	05:42:46.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/01	05:42:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2019/06/01	05:42:50.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2019/06/01	05:45:28.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/01	05:45:30.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06		
2019/06/01	05:52:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/01	05:52:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/01	05:52:30.0	AOCS_Ore-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/01	05:52:46.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 00 00 00 00		

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2019/06/01	05:52:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2019/06/01	05:52:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2019/06/01	05:52:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2019/06/01	05:52:54.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	05:55:26.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f
2019/06/01	05:55:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2019/06/01	05:55:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	06:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	06:09:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	06:09:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	06:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	06:52:30.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	06:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	07:49:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	07:49:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	07:49:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	07:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	08:31:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	08:32:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	09:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	09:29:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	09:29:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	09:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	10:09:30.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	10:10:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	11:11:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	11:11:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	11:11:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	11:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	11:17:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	11:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	11:18:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	11:18:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	11:18:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	11:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	11:47:30.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	11:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	12:57:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	12:57:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	12:57:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	13:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	13:26:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	13:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	14:35:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/01	14:35:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/01	14:35:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/01	14:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/01	15:06:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/01	15:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/01	16:13:30.0	XRT_CTRL_MANU_400_OG [0x190]				

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2019/06/01	16:13:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	16:13:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	16:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/01	16:55:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/01	16:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	17:37:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	17:37:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/06/01	17:38:00.0	AOCs_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00			
2019/06/01	17:38:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2019/06/01	17:38:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2019/06/01	17:38:20.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/06/01	17:40:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2019/06/01	17:41:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	17:47:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	17:47:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2019/06/01	17:48:00.0	AOCs_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 00 00 00 00			
2019/06/01	17:48:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2019/06/01	17:48:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2019/06/01	17:48:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2019/06/01	17:48:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2019/06/01	17:48:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	17:50:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f			
2019/06/01	17:50:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2019/06/01	17:51:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	17:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	17:52:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	17:52:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/01	17:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/01	18:31:30.0	XRT_Custom_430_OG [0x1ae]							
2019/06/01	18:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	19:30:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	19:30:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	19:30:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/01	19:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/01	20:08:30.0	XRT_Custom_430_OG [0x1ae]							
2019/06/01	20:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	21:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	21:08:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	21:08:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/01	21:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/01	21:45:30.0	XRT_Custom_430_OG [0x1ae]							
2019/06/01	21:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/01	22:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2019/06/01	22:47:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2019/06/01	22:47:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2019/06/01	22:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2019/06/01	23:21:00.0	XRT_Custom_430_OG [0x1ae]							
2019/06/01	23:22:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2019/06/02	00:25:30.0	XRT_CTRL_MANU_400_OG [0x190]							

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2019/06/02	00:25:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/02	00:25:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/02	00:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/02	00:54:30.0	XRT_Custom_430_OG [0x1ae]								
2019/06/02	00:55:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/02	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/02	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/02	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2019/06/02	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/06/02	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/06/02	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/06/02	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/02	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/02	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12			
2019/06/02	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/06/02	02:33:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/02	02:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/02	03:35:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/02	03:35:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/02	03:35:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/02	03:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/02	04:11:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/02	04:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/02	05:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/02	05:05:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/02	05:05:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/02	05:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/02	05:49:30.0	XRT_Custom_430_OG [0x1ae]								
2019/06/02	05:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/02	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/02	05:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/02	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2019/06/02	06:00:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/06/02	06:00:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/06/02	06:00:20.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/02	06:02:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2019/06/02	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/02	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/02	06:09:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/02	06:10:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00	00	00	00
2019/06/02	06:10:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/06/02	06:10:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/06/02	06:10:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/06/02	06:10:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/02	06:10:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/02	06:12:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2019/06/02	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/06/02	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				

2019/06/02	06:45:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	06:45:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	06:45:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	06:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	07:28:00.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	07:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	08:25:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	08:25:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	08:25:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	08:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	09:06:00.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	09:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	10:05:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	10:05:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	10:05:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	10:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	10:44:30.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	10:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	11:54:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	11:54:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	11:54:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	11:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	12:23:00.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	12:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	13:32:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	13:32:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	13:32:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	13:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	14:01:30.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	14:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	15:10:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	15:10:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	15:10:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	15:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	15:43:00.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	15:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	16:49:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	16:49:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2019/06/02	16:49:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2019/06/02	16:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2019/06/02	17:29:30.0	XRT_Custom_430_OG [0x1ae]			
2019/06/02	17:30:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2019/06/02	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2019/06/02	17:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2019/06/02	18:00:00.0	AOCS_Orе-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2019/06/02	18:00:16.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2019/06/02	18:00:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2019/06/02	18:00:20.0	XRT_ARS_DIS_433_OG [0x1b1]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2019/06/02	18:02:58.0	XRT_QT_PROG_SET_407_OG [0x197]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2019/06/02	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0

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2019/06/02	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2019/06/02	18:10:00.0	AOCS_Ore-point_Start_4_OG [0x09a]					
		AOCU_NM	5	02-76	00 52 a7 00 00		
2019/06/02	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/02	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/02	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/02	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/02	18:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/02	18:12:56.0	XRT_QT_PROG_SET_436_OG [0x1b4]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03		
2019/06/02	18:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2019/06/02	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/02	18:27:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	18:27:02.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/02	18:27:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/02	18:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/02	19:06:30.0	XRT_Custom_430_OG [0x1ae]					
2019/06/02	19:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/02	20:05:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	20:05:32.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/02	20:05:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/02	20:08:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/02	20:43:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/02	20:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/02	21:44:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	21:44:02.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/02	21:44:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/02	21:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/02	22:20:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/02	22:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/02	23:22:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/02	23:22:02.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/02	23:22:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/02	23:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/02	23:54:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/02	23:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/03	01:00:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/03	01:00:32.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/03	01:00:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/03	01:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/03	01:30:00.0	XRT_Custom_430_OG [0x1ae]					
2019/06/03	01:31:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/03	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/03	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/03	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/03	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/03	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/03	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/03	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		

2019/06/03	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	12			
2019/06/03	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/06/03	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	02:34:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	02:34:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	02:34:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/03	02:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/03	03:08:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/03	03:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	04:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	04:07:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	04:07:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/03	04:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/03	04:46:30.0	XRT_Custom_430_OG [0x1ae]								
2019/06/03	04:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	05:41:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	05:41:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	05:41:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/03	05:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/03	06:25:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/03	06:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	06:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	06:29:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/03	06:30:00.0	AOCS_Or-e-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2019/06/03	06:30:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2019/06/03	06:30:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2019/06/03	06:30:20.0	XRT_ARS_DIS_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/03	06:32:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2019/06/03	06:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	06:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	06:39:56.0	XRT_FOCUS_RECALIBRATE_414_OG [0x19e]	XRT_FOCUS_RECAL	2	07-F8	78	00			
2019/06/03	06:40:00.0	AOCS_Or-e-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00	00	00	00
2019/06/03	06:43:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2019/06/03	06:44:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2019/06/03	06:44:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2019/06/03	06:44:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2019/06/03	06:44:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2019/06/03	06:44:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	06:46:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2019/06/03	06:46:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/06/03	06:47:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	07:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/03	07:21:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/03	07:21:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/03	07:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/03	08:03:00.0	XRT_Custom_430_OG [0x1ae]								
2019/06/03	08:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/03	09:01:00.0	XRT_CTRL_MANU_400_OG [0x190]								

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2019/06/03	09:01:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	09:01:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	09:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	09:41:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	09:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	09:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	09:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	10:00:00.0	AOCS_OrE-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2019/06/03	10:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 00 00 00 00	
2019/06/03	10:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/03	10:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/03	10:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/03	10:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/03	10:02:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	10:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2019/06/03	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2019/06/03	10:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	10:41:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	10:41:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	10:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	11:20:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	11:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	12:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	12:29:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	12:29:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	12:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	12:58:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	12:59:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	13:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	13:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	13:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	14:00:00.0	AOCS_OrE-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2019/06/03	14:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03 00 00 00 00	
2019/06/03	14:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/03	14:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/03	14:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/03	14:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/03	14:02:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	14:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01	
2019/06/03	14:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2019/06/03	14:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	14:07:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	14:07:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	14:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	14:36:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	14:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	15:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

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2019/06/03	15:45:32.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	15:45:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	15:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	16:27:30.0	XRT_Custom_430_OG [0x1ae]				
2019/06/03	16:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	17:24:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	17:24:02.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	17:24:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	17:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	18:04:24.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	18:04:26.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2019/06/03	18:04:30.0	AOCS_Or-e-point_Start_2_OG [0x098]				
		AOCU_NM	5	02-76	00 00 00 00 00	
2019/06/03	18:04:46.0	XRT_FLD_DIS_409_OG [0x199]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2019/06/03	18:04:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2019/06/03	18:04:50.0	XRT_ARS_DIS_433_OG [0x1b1]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/03	18:07:28.0	XRT_QT_PROG_SET_407_OG [0x197]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2019/06/03	18:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	18:14:24.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	18:14:26.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2019/06/03	18:14:30.0	AOCS_Or-e-point_Start_2_OG [0x098]				
		AOCU_NM	5	02-76	00 00 00 00 00	
2019/06/03	18:14:46.0	XRT_FLD_ENA_411_OG [0x19b]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2019/06/03	18:14:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]				
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2019/06/03	18:14:50.0	XRT_AEC_RESET_448_OG [0x1c0]				
		MDP_XRT_AEC_RESET	1	07-F0	d0	
2019/06/03	18:14:52.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2019/06/03	18:14:54.0	XRT_FLD_RESET_421_OG [0x1a5]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	18:17:26.0	XRT_QT_PROG_SET_435_OG [0x1b3]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f	
2019/06/03	18:17:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]				
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2019/06/03	18:17:30.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	19:02:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	19:02:32.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	19:02:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	19:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	19:41:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/03	19:42:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	20:40:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	20:40:32.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	20:40:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	20:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	21:18:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/03	21:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	22:19:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	22:19:02.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	22:19:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2019/06/03	22:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2019/06/03	22:54:00.0	XRT_Custom_430_OG [0x1ae]				
2019/06/03	22:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2019/06/03	23:57:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2019/06/03	23:57:32.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2019/06/03	23:57:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]				

2019/06/04	00:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8		
2019/06/04	00:26:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	00:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/04	01:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	01:36:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/04	01:36:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/04	01:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/04	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/04	02:00:16.0	XRT_FLD_ENA_445_OG [0x1bd]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/04	02:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/04	02:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/04	02:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/04	02:02:54.0	XRT_FLD_RESET_404_OG [0x194]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/04	02:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12		
2019/06/04	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2019/06/04	02:05:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/04	02:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	03:08:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/04	03:08:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/04	03:08:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	03:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	03:43:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/04	03:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	04:36:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da		
2019/06/04	04:36:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2019/06/04	04:36:34.0	XRT_PREFLR_STRT_444_OG [0x1bc]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	04:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2019/06/04	05:22:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/04	05:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	05:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	05:49:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	05:49:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/04	05:50:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/04	05:50:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2019/06/04	05:50:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2019/06/04	05:50:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/04	05:52:58.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13		
2019/06/04	05:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2019/06/04	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2019/06/04	05:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2019/06/04	06:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00		
2019/06/04	06:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2019/06/04	06:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2019/06/04	06:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2019/06/04	06:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2019/06/04	06:00:24.0	XRT_FLD_RESET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da		

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2019/06/04	06:02:56.0	XRT_QT_PROG_SET_435_OG [0x1b3]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f			
2019/06/04	06:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2019/06/04	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/04	06:17:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/04	06:17:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/04	06:17:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/04	06:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/04	07:00:00.0	XRT_Custom_430_OG [0x1ae]							
2019/06/04	07:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2019/06/04	07:57:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2019/06/04	07:57:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2019/06/04	07:57:04.0	XRT_PREFLR_STRT_444_OG [0x1bc]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2019/06/04	08:00:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2019/06/04	11:16:00.0	AOCS_ORe-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00