

XRT Timeline to be uploaded on 2018/06/09

Period: 2018/06/09 10:05:00 - 2018/06/14 10:31:00

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Normal mode

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XOB #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
06/09 10:18:00 - 06/09 10:49:00	Fixed (-18.0, -961.0)	# OP start + 10min, HOP 358
06/09 13:04:00 - 06/09 15:50:00	Fixed (-18.0, -56.0)	Dark and Flat
06/09 16:38:00 - 06/09 17:28:30	Track (-11.3, 61.5) @ 06/09 16:35:00	AR obs.
06/09 18:23:30 - 06/09 23:59:54	Track (22.7, 117.3) @ 06/09 18:20:30	AR obs.
06/10 03:03:00 - 06/10 05:55:54	Track (101.3, 116.6) @ 06/10 03:00:00	AR obs.
06/10 06:09:00 - 06/10 07:29:54	Track (129.3, 116.4) @ 06/10 06:06:00	AR obs.
06/10 07:33:00 - 06/10 08:04:00	Fixed (-18.0, -56.0)	HOP 358
06/10 08:48:00 - 06/10 11:30:30	Fixed (-18.0, -961.0)	HOP 358
06/10 12:05:00 - 06/10 14:34:54	Track (182.5, 116.0) @ 06/10 12:02:00	AR obs.
06/10 15:22:30 - 06/10 15:28:54	Fixed (616.3, -693.2)	HOP333 with ALMA T2
06/10 15:32:00 - 06/10 16:02:54	Fixed (558.2, -634.4)	HOP 333 with ALMA T3
06/10 16:06:00 - 06/10 16:25:30	Fixed (459.3, -533.0)	HOP 333 with ALMA T4
06/10 17:09:30 - 06/10 17:49:54	Fixed (387.1, -456.7)	HOP 333 with ALMA T5
06/10 19:03:00 - 06/10 23:59:54	Track (244.3, 115.5) @ 06/10 19:00:00	AR obs.
06/11 03:03:00 - 06/11 06:07:24	Track (313.7, 115.1) @ 06/11 03:00:00	AR obs.
06/11 06:20:30 - 06/11 06:59:30	Fixed (0.0, 0.0)	AR obs.
06/11 07:45:00 - 06/11 08:39:30	Fixed (-18.0, -56.0)	HOP 358
06/11 09:23:00 - 06/11 10:20:00	Fixed (-18.0, -961.0)	HOP 358
06/12 08:20:00 - 06/12 10:55:54	Fixed (-18.0, -56.0)	HOP 358

PROG= 10 Inf.-time(s)

Subr=	1-time(s)	2.0sec											
Subr= 1	1-time(s)	2.0sec											
Seqn= 30	1-time(s)	2.0sec											
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2	10-time(s)	360.0sec											
Seqn= 8	1-time(s)	2.0sec											
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6	1-time(s)	2.0sec											
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BE7: Synoptic Q95 2x2 - Al/mesh(512/2048/4096) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(512/4096/8192)

Term	Pointing (x, y)	Comment
06/09 18:13:00 - 06/09 18:20:24	Fixed (0.0, 0.0)	synoptic, shifted 10.5 min
06/10 05:59:00 - 06/10 06:05:54	Fixed (0.0, 0.0)	synoptic, shifted -4.0 min
06/10 17:53:00 - 06/10 18:04:00	Fixed (0.0, 0.0)	synoptic, shifted 10min earlier
06/11 06:10:30 - 06/11 06:17:24	Fixed (0.0, 0.0)	synoptic, shifted 7.5 min
06/11 19:23:00 - 06/11 19:44:54	Fixed (0.0, 0.0)	synoptic, shifted 80 minutes later

PROG= 08 1-time(s)

Subr=	1-time(s)	2.0sec											
Subr= 1	1-time(s)	2.0sec											
Seqn= 5	1-time(s)	2.0sec											
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
Seqn= 12	1-time(s)	2.0sec											
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 82	1-time(s)	2.0sec											
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 52	1-time(s)	2.0sec											
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 23	1-time(s)	2.0sec											
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BE8: HOP349 - 3-filter Synoptics (Al-mesh[512/2048/4096], Al-poly[512/4096/8192], thin-Be[3897/16384/32768] with 512x512 G-band+Leak - 45 min cad)

Term	Pointing (x, y)	Comment
06/10 00:32:30 - 06/10 02:59:54	Fixed (0.0, 0.0)	HOP 349
06/11 00:03:00 - 06/11 02:59:54	Fixed (0.0, 0.0)	HOP 349
06/12 00:05:00 - 06/12 02:47:00	Fixed (0.0, 0.0)	HOP 349

PROG= 01 Inf.-time(s)													
Subr= 1 1-time(s) 300.0sec													
Seqn= 12 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 82 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 52 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 30 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 18-time(s) 150.0sec													
Seqn= 8 1-time(s) 2.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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

Term	Pointing (x, y)	Comment
06/10 14:38:00 - 06/10 14:47:00	Fixed (0.0, 0.0)	HOP 333 for XRT

PROG= 07 Inf.-time(s)													
Subr= 1 1-time(s) 300.0sec													
Seqn= 12 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 82 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 52 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 30 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 18-time(s) 300.0sec													
Seqn= 8 1-time(s) 2.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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

Term	Pointing (x, y)	Comment
06/11 12:44:00 - 06/11 15:22:30	Track (-18.0, 574.9) @ 06/11 12:37:00	HOP 336 N40
06/11 16:11:00 - 06/11 18:39:00	Track (-18.0, -709.1) @ 06/11 16:08:00	HOP 336 S45

PROG= 17 Inf.-time(s)													
Subr= 1 1-time(s) 2.0sec													
Seqn= 16 2-time(s) 2.0sec													
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec													
Seqn= 90 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Subr= 3 15-time(s) 2.0sec													
Seqn= 68 1-time(s) 60.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B89: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
06/11 19:48:00 - 06/11 23:34:30	Fixed (-934.0, 98.0)	BP obs. for EIS
06/12 03:22:00 - 06/12 05:28:24	Fixed (-934.0, 98.0)	BP obs. EIS
06/12 05:41:30 - 06/12 07:35:30	Fixed (-934.0, 98.0)	BP obs. for EIS

PROG= 03 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec
Seqn= 92	1-time(s)	2.0sec
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048) Q=98 0 0 2.0sec
Subr= 2	5-time(s)	2.0sec
Seqn= 75	1-time(s)	2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 2 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 0 2.0sec
Seqn= 96	4-time(s)	60.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 1 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 1 2 2.0sec

Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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

Term	Pointing (x, y)	Comment
06/12 05:31:30 - 06/12 05:38:24	Fixed (0.0, 0.0)	synoptic, shifted -31.5 min

PROG= 18 1-time(s)

Subr= 1	1-time(s)	2.0sec
Seqn= 5	1-time(s)	2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec
Seqn= 36	1-time(s)	2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 99	1-time(s)	2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 33	1-time(s)	2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 23	1-time(s)	4.0sec
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Subr= 2	1-time(s)	2.0sec
Seqn= 46	1-time(s)	2.0sec
Open/thick-Be	Open/thick-Be close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 17	1-time(s)	2.0sec
med-Al/Open	med-Al/Open close	Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
med-Al/Open	med-Al/Open close	Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Seqn= 25	1-time(s)	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close	Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec

Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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Flare mode

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XOB #1B8E: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

Term	Pointing (x, y)	Comment
06/09 10:18:00 - 06/09 10:49:00	Fixed (-18.0, -961.0)	# OP start + 10min, HOP 358
06/09 13:04:00 - 06/09 15:50:00	Fixed (-18.0, -56.0)	Dark and Flat
06/09 16:38:00 - 06/09 17:28:30	Track (-11.3, 61.5) @ 06/09 16:35:00	AR obs.
06/09 18:23:30 - 06/09 23:59:54	Track (22.7, 117.3) @ 06/09 18:20:30	AR obs.
06/10 03:03:00 - 06/10 05:55:54	Track (101.3, 116.6) @ 06/10 03:00:00	AR obs.
06/10 06:09:00 - 06/10 07:29:54	Track (129.3, 116.4) @ 06/10 06:06:00	AR obs.
06/10 07:33:00 - 06/10 08:04:00	Fixed (-18.0, -56.0)	HOP 358
06/10 08:48:00 - 06/10 11:30:30	Fixed (-18.0, -961.0)	HOP 358
06/10 12:05:00 - 06/10 14:34:54	Track (182.5, 116.0) @ 06/10 12:02:00	AR obs.
06/10 15:22:30 - 06/10 15:28:54	Fixed (616.3, -693.2)	HOP333 with ALMA T2

06/10 15:32:00 - 06/10 16:02:54	Fixed (558.2, -634.4)	HOP 333 with ALMA T3
06/10 16:06:00 - 06/10 16:25:30	Fixed (459.3, -533.0)	HOP 333 with ALMA T4
06/10 17:09:30 - 06/10 17:49:54	Fixed (387.1, -456.7)	HOP 333 with ALMA T5
06/10 19:03:00 - 06/10 23:59:54	Track (244.3, 115.5) @ 06/10 19:00:00	AR obs.
06/11 03:03:00 - 06/11 06:07:24	Track (313.7, 115.1) @ 06/11 03:00:00	AR obs.
06/11 06:20:30 - 06/11 06:59:30	Fixed (0.0, 0.0)	AR obs.
06/11 07:45:00 - 06/11 08:39:30	Fixed (-18.0, -56.0)	HOP 358
06/11 09:23:00 - 06/11 10:20:00	Fixed (-18.0, -961.0)	HOP 358
06/11 12:44:00 - 06/11 15:22:30	Track (-18.0, 574.9) @ 06/11 12:37:00	HOP 336 N40
06/11 16:11:00 - 06/11 18:39:00	Track (-18.0, -709.1) @ 06/11 16:08:00	HOP 336 S45
06/11 19:48:00 - 06/11 23:34:30	Fixed (-934.0, 98.0)	BP obs. for EIS
06/12 03:22:00 - 06/12 05:28:24	Fixed (-934.0, 98.0)	BP obs. EIS
06/12 05:41:30 - 06/12 07:35:30	Fixed (-934.0, 98.0)	BP obs. for EIS
06/12 08:20:00 - 06/12 10:55:54	Fixed (-18.0, -56.0)	HOP 358

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

* * * * *

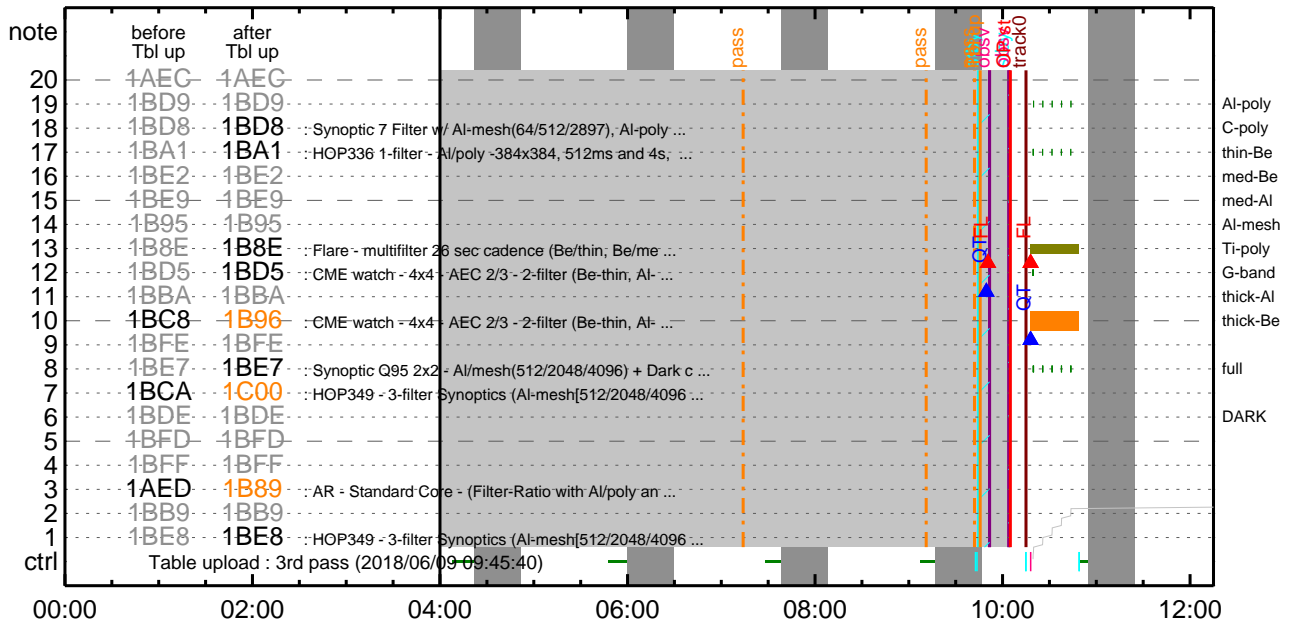
Flare Detection

* * * * *

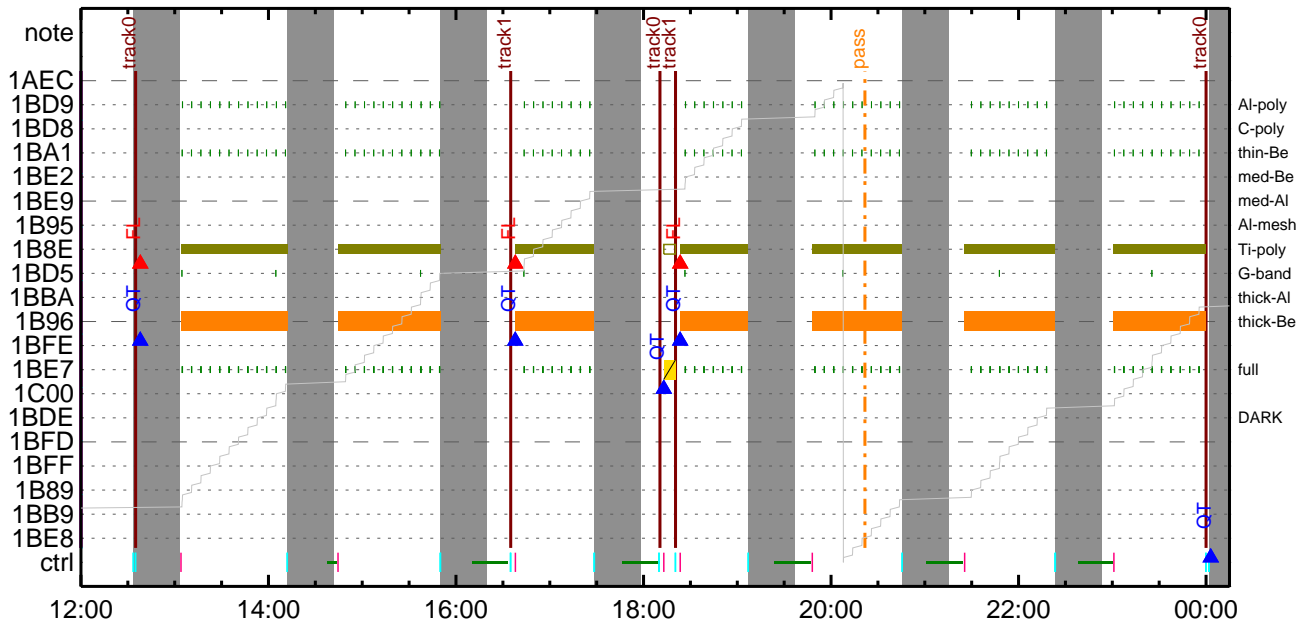
FLD Patrol

Term	Pointing (x, y)	Comment
06/09 18:20:48 - 06/10 00:00:18	Track (22.7, 117.3) @ 06/09 18:20:30	AR obs.
06/10 03:00:18 - 06/10 05:56:18	Track (101.3, 116.6) @ 06/10 03:00:00	AR obs.
06/10 06:06:18 - 06/10 14:35:18	Track (129.3, 116.4) @ 06/10 06:06:00	AR obs.
06/10 14:55:18 - 06/10 17:50:18	Fixed (616.3, -693.2)	HOP333 with ALMA T2
06/10 19:00:18 - 06/11 00:00:18	Track (244.3, 115.5) @ 06/10 19:00:00	AR obs.
06/11 03:00:18 - 06/11 06:07:48	Track (313.7, 115.1) @ 06/11 03:00:00	AR obs.
06/11 06:17:48 - 06/11 19:20:18	Fixed (0.0, 0.0)	AR obs.
06/11 19:45:18 - 06/12 00:00:18	Fixed (-934.0, 98.0)	BP obs. for EIS
06/12 03:00:18 - 06/12 05:28:48	Fixed (-934.0, 98.0)	BP obs. EIS
06/12 05:38:48 - 06/14 10:31:00	Fixed (-934.0, 98.0)	BP obs. for EIS
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

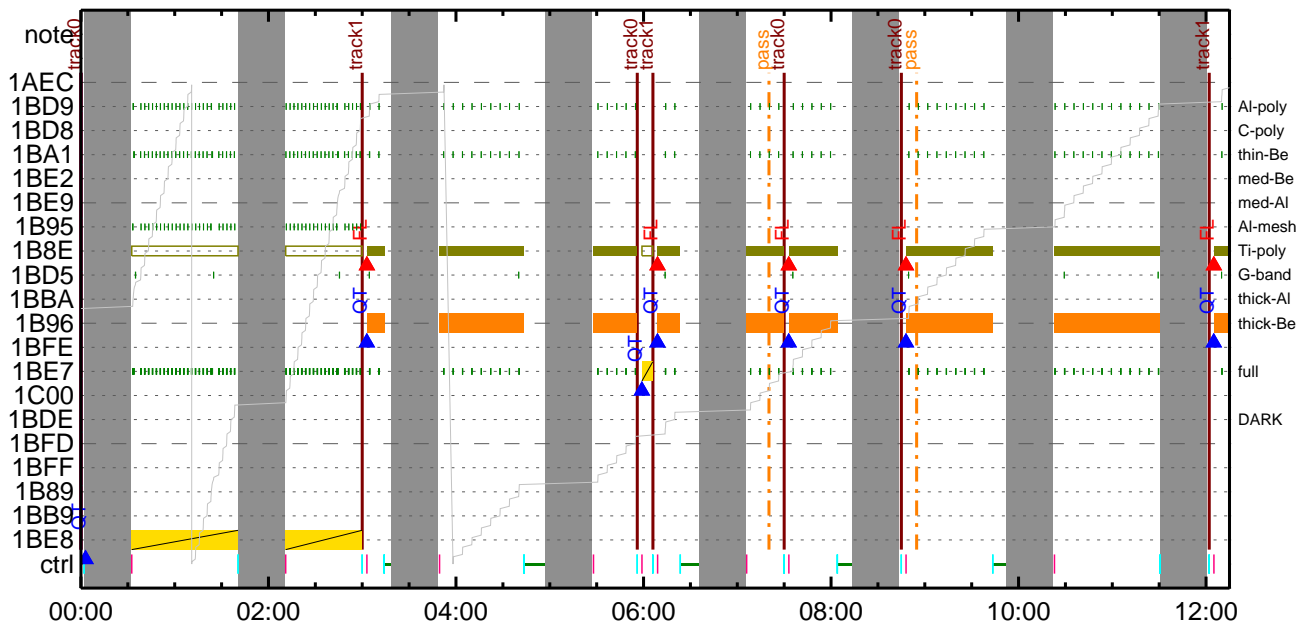
CMDI #0548 2018/06/09



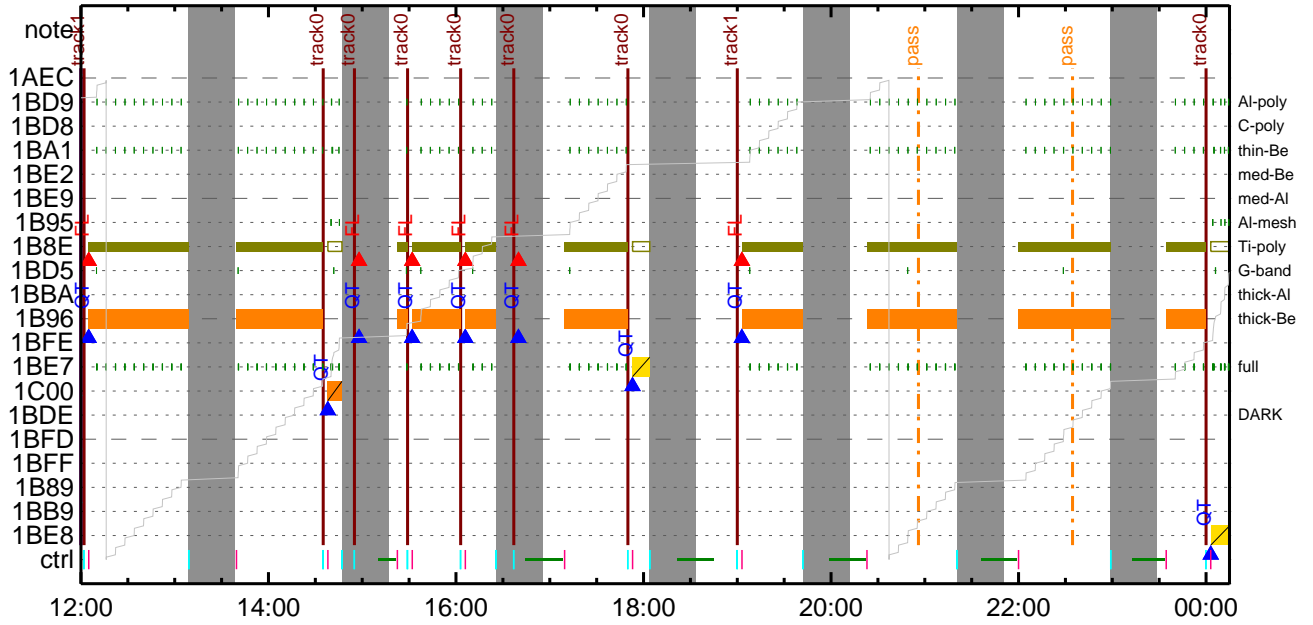
CMDI #0548 2018/06/09



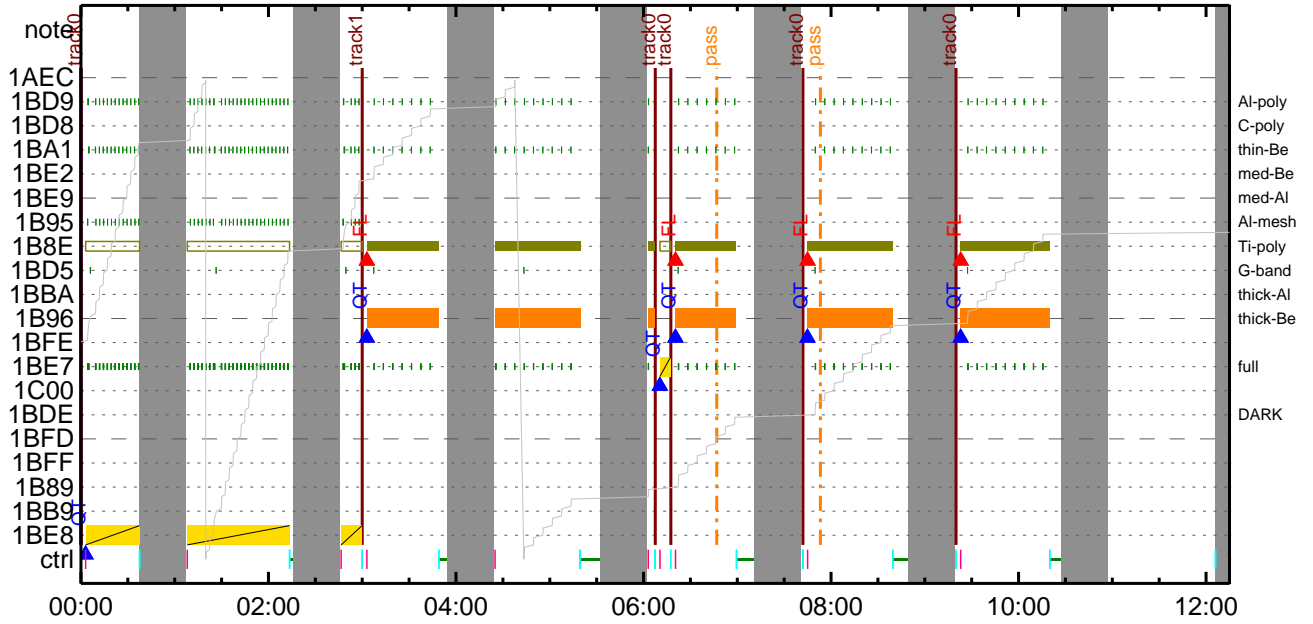
CMDI #0548 2018/06/10



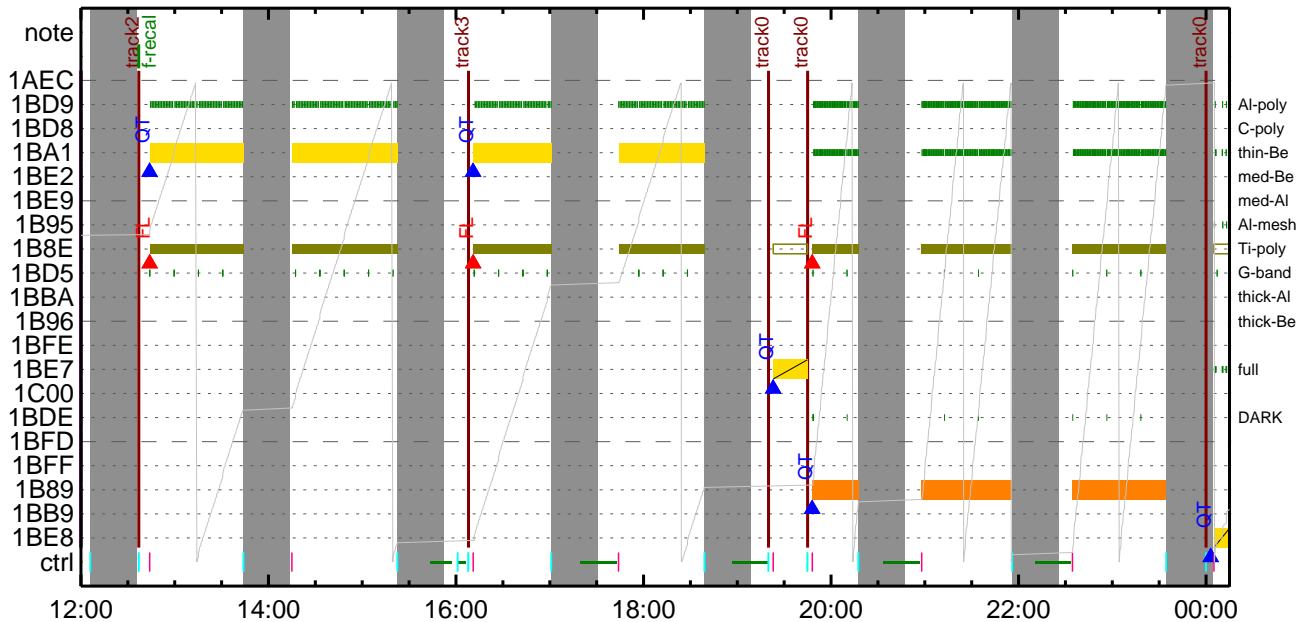
CMDI #0548 2018/06/10



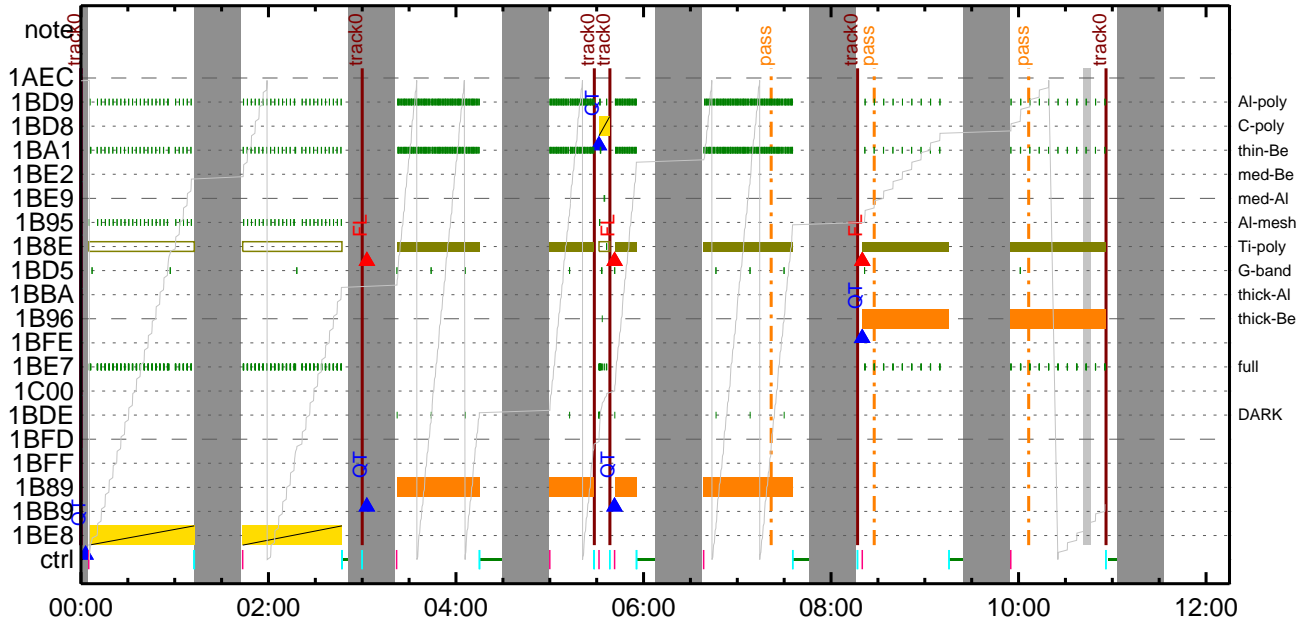
CMDI #0548 2018/06/11



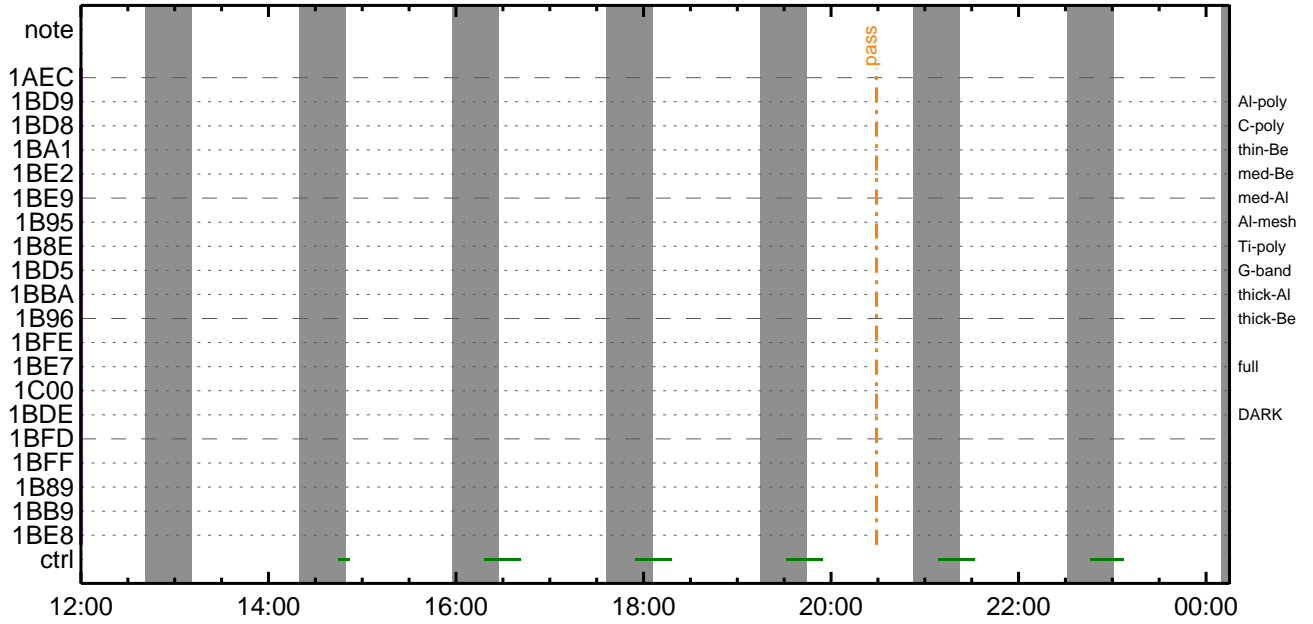
CMDI #0548 2018/06/11



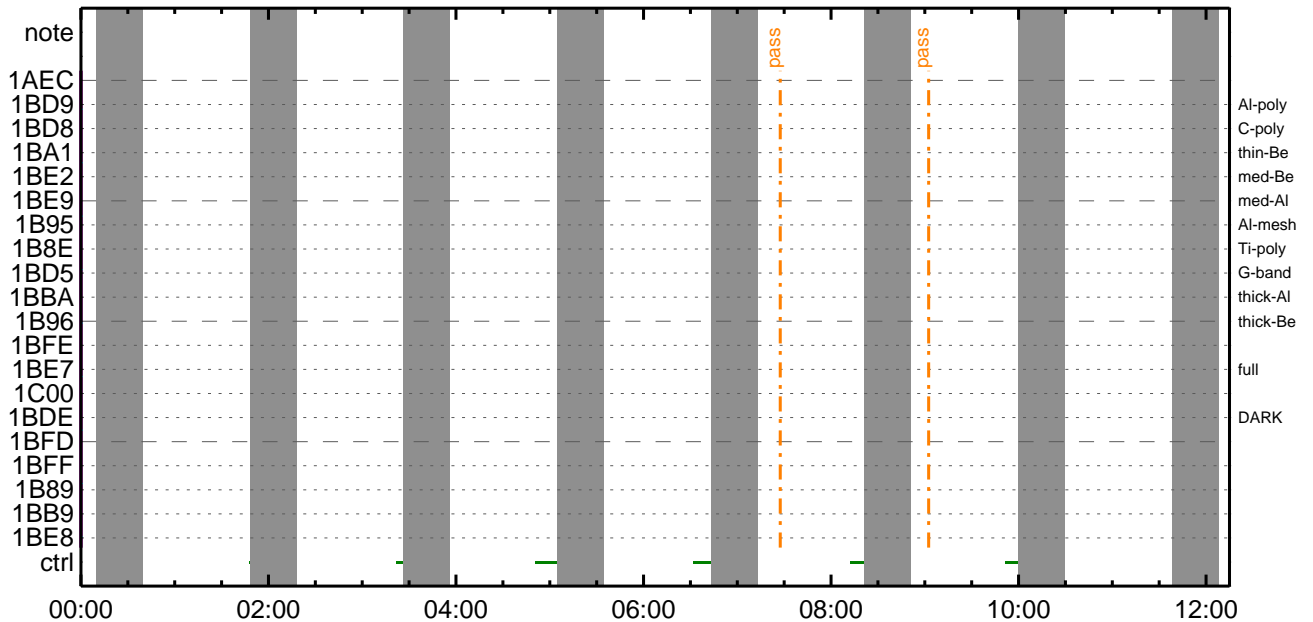
CMDI #0548 2018/06/12



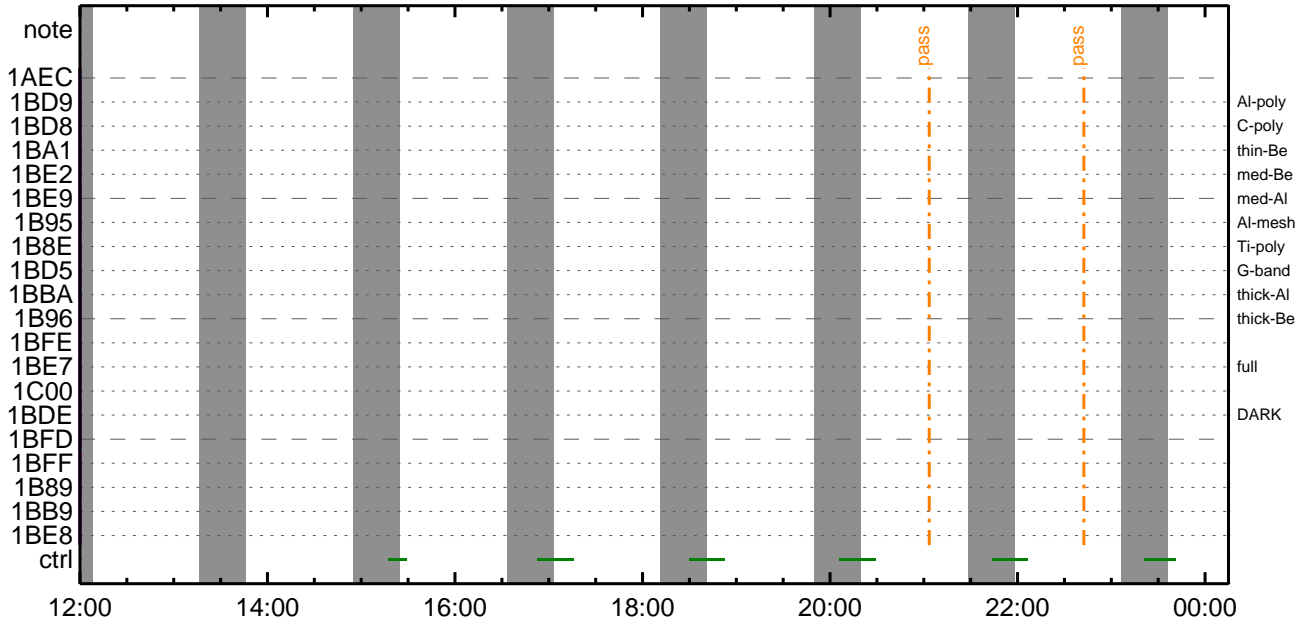
CMDI #0548 2018/06/12



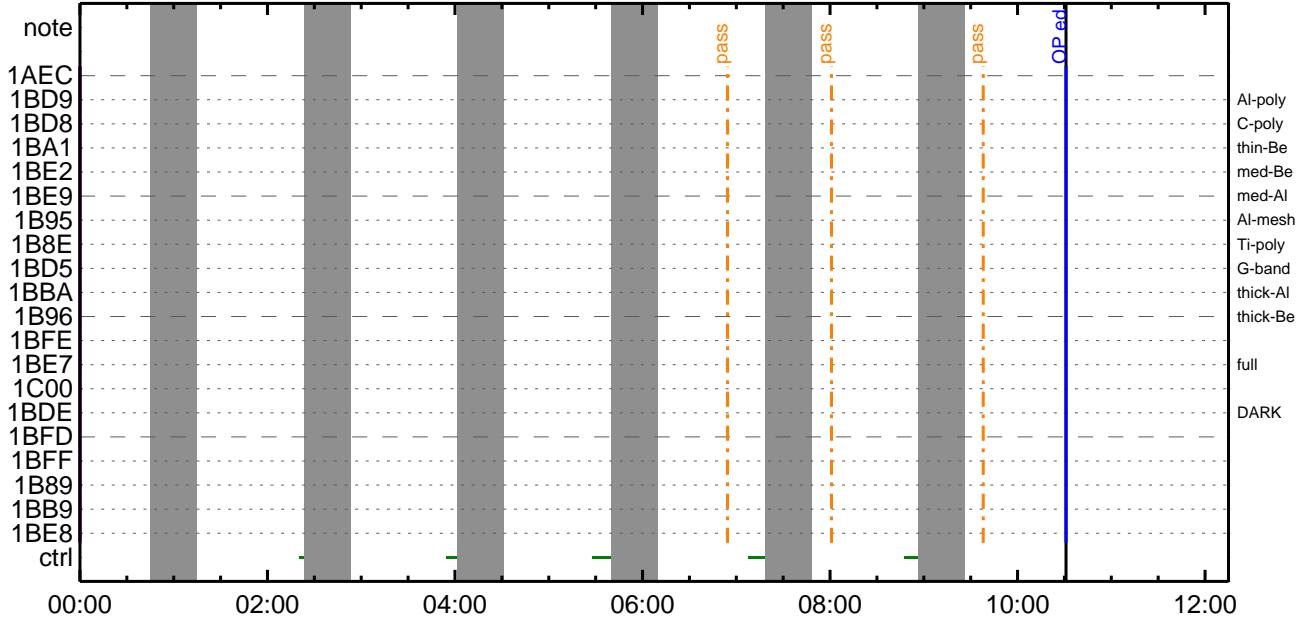
CMDI #0548 2018/06/13



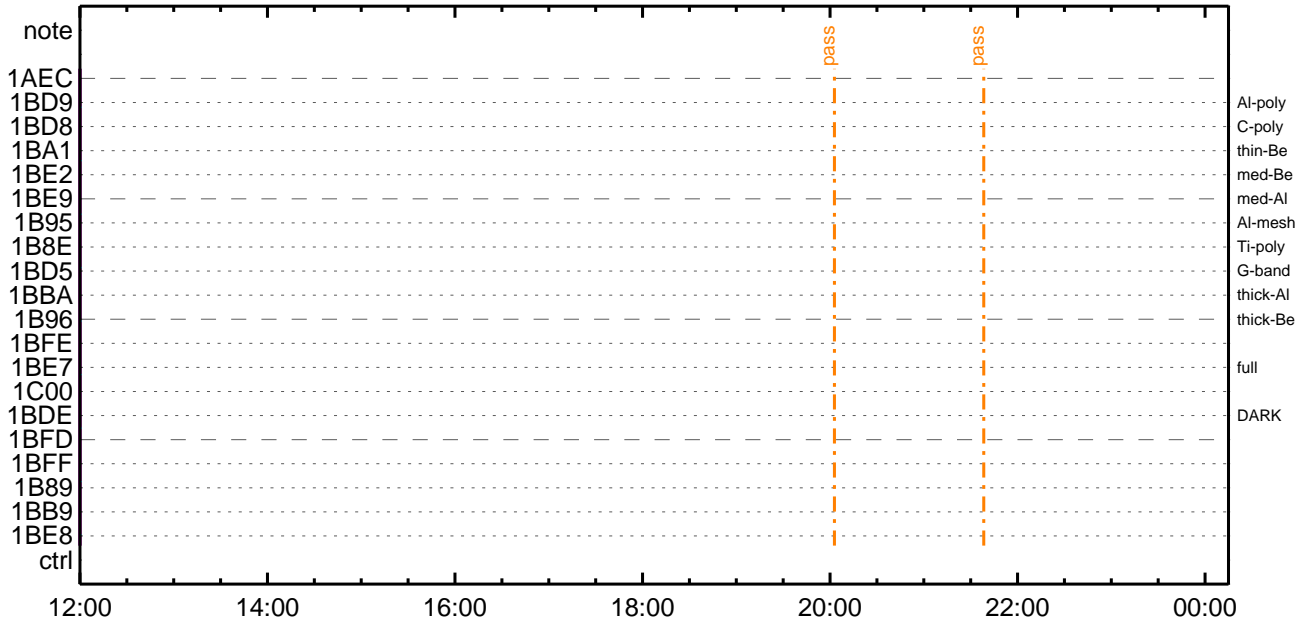
CMDI #0548 2018/06/13



CMDI #0548 2018/06/14



CMDI #0548 2018/06/14



(a) Spacecraft Operation Procedure (real-commands)

```

main-436 2018-06-09 13:22:44 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄY$YÄY-¼Ä»Ü;ä
0005 C.
0006 C. YÄYB;¼Y³YF¥öYÉÄ+¿@
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äí;ÈçòÄâ•µ°£»Í×ÄÇçÄYçYÄY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈèÈ¼°ÇÒâ•ø¿¼ì¹ççÍ;çÄ@,ùá¹àèçççÇÄ+¿@â•èÈççççè;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGYí;¼YÉ;|YÄYöYx
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGYí;¼YÉ;ä
0019 . S. OP op-436:OP
0020 ( )
0021 . S. OG og-436:OG
0022 ( )
0023 C.
0024 . C. ;ãNMOG&OPî°èYÄYöYx;ä
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C.      çç[HK1_DMP_TOP_ADRS_1]           EQ      40
0029 C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0030 C.      çç[HK1_DMP_BLOCK_NUM]            EQ     127
0031 C.      çç[HK1_DMP_REPEAT_NUM]          EQ      0
0032 C.      çç[HK1_DMA_DMP_PIM]             EQ     DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C.      çç[HK1_PKT_FORM_NO]              EQ      7
0036 C.      çç[HK1_PKT_GEN_TIME]             EQ     0.25 s
0037 C.      çç[HK1_S_TLM_BIT_RATE]          EQ     32k
0038 C.      çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0039 C.      çç[HK1_DMP_CHK_FLG]             EQ     EXEC
0040 . C. YÄYöYx¼ªª î»òð³ îÇ§
0041 C.      çç[HK1_DMP_CHK_FLG]             EQ     NON
0042 . C. RAM ID=NMOGâî¼È¹ç•ë² îOKòð³ îÇ§
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C.      çç[HK1_DMP_TOP_ADRS_1]           EQ     41
0048 C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0049 C.      çç[HK1_DMP_BLOCK_NUM]            EQ     127
0050 C.      çç[HK1_DMP_REPEAT_NUM]          EQ      0
0051 C.      çç[HK1_DMA_DMP_PIM]             EQ     DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C.      çç[HK1_PKT_FORM_NO]              EQ      7
0055 C.      çç[HK1_PKT_GEN_TIME]             EQ     0.25 s
0056 C.      çç[HK1_S_TLM_BIT_RATE]          EQ     32k
0057 C.      çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0058 C.      çç[HK1_DMP_CHK_FLG]             EQ     EXEC
0059 . C. YÄYöYx¼ªª î»òð³ îÇ§
0060 C.      çç[HK1_DMP_CHK_FLG]             EQ     NON
0061 . C. RAM ID=NMOGâî¼È¹ç•ë² îOKòð³ îÇ§
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C.      çç[HK1_DMP_TOP_ADRS_1]           EQ     42
0067 C.      çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0068 C.      çç[HK1_DMP_BLOCK_NUM]            EQ     65
0069 C.      çç[HK1_DMP_REPEAT_NUM]          EQ      0
0070 C.      çç[HK1_DMA_DMP_PIM]             EQ     DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C.      çç[HK1_PKT_FORM_NO]              EQ      7
0074 C.      çç[HK1_PKT_GEN_TIME]             EQ     0.25 s
0075 C.      çç[HK1_S_TLM_BIT_RATE]          EQ     32k
0076 C.      çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0077 C.      çç[HK1_DMP_CHK_FLG]             EQ     EXEC
0078 . C. YÄYöYx¼ªª î»òð³ îÇ§
0079 C.      çç[HK1_DMP_CHK_FLG]             EQ     NON
0080 . C. RAM ID=NMOG,RAM ID=OPâî¼È¹ç•ë² îOKòð³ îÇ§
0081 C.
0082 . C. ***** øÈ²¼òî¼Ä´ ¶¼°òÈÈ-ò°Ä+¿@ (¼åµ-YÄYöYx¼è¼ççðÄÓÄæçªª°µ-ò¼¼ì¹ççççâ) *****
0083 C. DHUYâ;¼YÉ;È¼Y¼, Yí;¼YÉ;ÈçòÍáç¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C.      çç[HK1_PKT_FORM_NO]              EQ      2
0087 C.      çç[HK1_PKT_GEN_TIME]             EQ     0.5S
0088 C.      çç[HK1_S_TLM_BIT_RATE]          EQ     32k
0089 C.      çç[HK1_X_TLM_BIT_RATE]          EQ      4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE |§ OPOG UPLOADâ-Ä+¿@NGçâî¼ç¹çç;ç°È²¼°îTI-CMDÄ+¿@âî¼Ä¹Ôçççççèççççè;f

```



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


(a) Spacecraft Operation Procedure (real-commands)

```
main-438 2018-06-09 13:22:44 130 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŠYÄY-¼Ä»Ü;ä
0005 C.
0006 C. YÄYB;¼Y³YFÿÖYÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C.  ĀíĒ⌒¿⌒⌒⌒•μ°⌒»Ī×ĀÇ⌒ĪY¿Y×Yİ;¼YÉ;ĒĒ%μ•īĒ;Ē⌒Ē°ÇŌ⌒⌒⌒¼ī¹ç⌒Ī;çÄ®, ù⌒¹⌒Ē⌒⌒⌒⌒çÄ+¿®⌒⌒⌒Ē⌒⌒⌒⌒Ē;Ē
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019 BC (61)
0020 C. -----
0021 C. MDP_SP_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload SP Observation Table>
0025 . S. RAM ram-289:MDP_OBS_S
0026 ()
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030 BC (83 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_S verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2018-06-09 10:04:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 +. DC 07-F0 MDP_XRT_CTRL_MANU
0052 BC (c1)
0053 +. DC 07-F0 MDP_XRT_MODE_STBY
0054 BC (c3)
0055 . C. ----- Success Verify ? OK / NG_____
0056 C.
0057 C. XRT Obs. Table Upload
0058 . S. RAM ram-291:MDP_OBS_X
0059 ()
0060 C.
0061 +. DC 07-F0 MDP_DUMP_XRTTBL
0062 BC (84 07 00 00 00 3a d4)
0063 . C. ----- Comparison Check ? OK / ERR _____
0064 C.
0065 C.
0066 +. DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 01 b1 b1 04 04)
0068 +. DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 02 b1 b1 08 08)
0070 +. DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 03 b1 b1 08 08)
0072 +. DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 04 b1 b1 06 06)
0074 +. DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 80 80 20 20)
0076 +. DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 08 08)
0078 +. DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 08)
0080 +. DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 08 20)
0082 +. DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 85 83 06 06)
0084 +. DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0f 80 80 06 06)
0086 +. DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 10 80 80 08 08)
0088 +. DC 07-F0 MDP_XRT_FLD_ENA
0089 BC (d8)
0090 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0091 BC (c8)
0092 +. DC 07-F0 MDP_XRT_ARS_DIS
0093 BC (d5)
0094 +. DC 07-F0 MDP_XRT_AEC_RESET
0095 BC (d0)
```

```
0096 + DC 07-F0 MDP_XRT_FLD_RESET
0097 BC (da)
0098 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0099 BC (c4 0c)
0100 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0101 BC (c5 0d)
0102 . C. ----- Success Verify ? OK / NG ____
0103 C.
0104 C.
0105 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0106 C.
0107 +. DC 07-F0 MDP_XRT_MODE_OBSV
0108 BC (c2)
0109 +. TI 2018-06-09 10:04:02.0
0110 DC 07-F0 MDP_XRT_MODE_OBSV
0111 BC (c2)
0112 . C. ----- Success Verify ? OK / NG ____
0113 C.
0114 C. ***** XRT END *****
0115 C.
0116 . C. ***** MDP 'úÃîâî»ô¼ÝñÊÂðñ¹ñêDCBC•x²è *****
0117 C. (¾ã°îÿÓÿÁÿÊÿÏÿËÿÄÿÅÿçÿèñ¾¼ñ¾Ä»Ûñ¹ñè)
0118 . S. DC-BC dcbc-402:DCBC
0119 (MDP_known_event)
0120 C.
0121 C.
0122 . C. ***** ÿDÿ¹·Ï Daily±¿ÎÑñË'Øñ¹ñêDCBC•x²è *****
0123 . S. DC-BC dcbc-153:DCBC
0124 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0125 C.
0126 C.
0127 . C. ;ãLOSÿÁÿ§ÿËÿËÿ-¾Ä»Û;ã
0128 C.
0129 . C. ***** LOS *****
0130 C.
```

Jun 09, 18 13:22

XRT_OGLIST_0548.chk

Page 1/14

*** OP Sequence for XRT ***

2018/06/09	10:14:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	10:14:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	10:14:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/06/09	10:15:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 55 68 01 99		
2018/06/09	10:15:18.0	XRT_FLD_ENA_437_OG [0x1b5]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/06/09	10:17:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/06/09	10:17:50.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/06/09	10:17:52.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/06/09	10:17:54.0	XRT_FLD_RESET_420_OG [0x1a4]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	10:17:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2018/06/09	10:17:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/06/09	10:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/06/09	10:49:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	10:49:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	10:49:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	10:49:06.0	XRT_PREFLR_STRT_406_OG [0x196]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/09	10:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/09	12:33:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	12:33:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	12:33:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	12:33:36.0	XRT_PREFLR_STRT_406_OG [0x196]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/09	12:34:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	12:34:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	12:34:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/06/09	12:35:00.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 04 fd 01 99		
2018/06/09	12:35:18.0	XRT_FLD_ENA_437_OG [0x1b5]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/06/09	12:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/09	12:37:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/06/09	12:37:50.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/06/09	12:37:52.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/06/09	12:37:54.0	XRT_FLD_RESET_420_OG [0x1a4]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	12:37:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2018/06/09	12:37:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/06/09	13:03:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/09	13:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/06/09	14:12:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	14:12:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	14:12:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	14:12:06.0	XRT_PREFLR_STRT_406_OG [0x196]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/09	14:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/09	14:43:30.0	XRT_Custom_430_OG [0x1ae]					
2018/06/09	14:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/06/09	15:50:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	15:50:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/09	15:50:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/09	15:50:06.0	XRT_PREFLR_STRT_406_OG [0x196]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/09	15:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					

2018/06/09	16:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	16:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	16:34:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/06/09	16:35:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01 04 fd 01 99	
2018/06/09	16:35:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/06/09	16:37:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/06/09	16:37:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/06/09	16:37:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/09	16:37:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/09	16:37:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2018/06/09	16:37:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/06/09	16:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/09	17:28:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	17:28:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	17:28:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/09	17:28:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/09	17:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/09	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	18:09:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/06/09	18:10:18.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/06/09	18:10:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/06/09	18:10:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/09	18:10:30.5	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/06/09	18:12:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2018/06/09	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/09	18:20:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	18:20:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	18:20:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/06/09	18:20:30.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	01 00 00 00 00	
2018/06/09	18:20:48.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/06/09	18:23:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/06/09	18:23:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/06/09	18:23:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/09	18:23:24.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/09	18:23:26.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2018/06/09	18:23:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/06/09	18:23:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/09	19:07:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	19:07:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	19:07:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/09	19:07:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/09	19:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/09	19:47:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/09	19:48:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/09	20:45:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/09	20:45:32.0	XRT_CTRL_MANU_402_OG [0x192]					

Jun 09, 18 13:22

XRT_OGLIST_0548.chk

Page 3/14

2018/06/09	20:45:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	20:45:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/09	20:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/09	21:24:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/09	21:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/09	22:23:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	22:23:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	22:23:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	22:23:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/09	22:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/09	23:00:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/09	23:01:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/09	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/09	23:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	00:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/06/10	00:00:18.0	XRT_FLD_DIS_401_OG [0x191]	AOCU_NM	5	02-76	00 00 00 00 00				
2018/06/10	00:00:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/06/10	00:00:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/06/10	00:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/10	00:02:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	00:02:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	00:02:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	00:02:58.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	00:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01				
2018/06/10	00:31:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	00:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	01:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	01:40:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	01:40:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	01:40:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	01:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	02:10:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	02:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	02:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	03:00:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2018/06/10	03:00:18.0	XRT_FLD_ENA_437_OG [0x1b5]	AOCU_NM	5	02-76	01 00 00 00 00				
2018/06/10	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/06/10	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/06/10	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/06/10	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/10	03:02:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a				
2018/06/10	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/06/10	03:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	03:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	03:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				

2018/06/10	03:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/10	03:14:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/10	03:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/10	03:48:30.0	XRT_Custom_430_OG [0x1ae]					
2018/06/10	03:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/10	04:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	04:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	04:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/10	04:43:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/10	04:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/10	05:27:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/10	05:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/10	05:55:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	05:55:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	05:55:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/06/10	05:56:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/06/10	05:56:18.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/06/10	05:56:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/06/10	05:56:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/10	05:58:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2018/06/10	05:59:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/10	06:05:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	06:05:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	06:05:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/06/10	06:06:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	01 00 00 00 00	
2018/06/10	06:06:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/06/10	06:08:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/06/10	06:08:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/06/10	06:08:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/10	06:08:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/10	06:08:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2018/06/10	06:08:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/06/10	06:09:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/10	06:23:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	06:23:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	06:23:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/10	06:23:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/10	06:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/10	07:05:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/10	07:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/10	07:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	07:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/10	07:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/06/10	07:30:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 04 fd 01 99	
2018/06/10	07:30:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/06/10	07:32:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/06/10	07:32:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/06/10	07:32:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	

2018/06/10	07:32:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	07:32:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2018/06/10	07:32:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/06/10	07:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	08:04:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	08:04:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	08:04:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	08:04:06.0	XRT_PREFLR_STRT_406_OG [0x196]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	08:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	08:44:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	08:44:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	08:44:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/06/10	08:45:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	55	68	01	99
2018/06/10	08:45:18.0	XRT_FLD_ENA_437_OG [0x1b5]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/06/10	08:47:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/06/10	08:47:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/06/10	08:47:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/10	08:47:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	08:47:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2018/06/10	08:47:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/06/10	08:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	09:43:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	09:43:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	09:43:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	09:43:36.0	XRT_PREFLR_STRT_406_OG [0x196]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	09:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	10:22:00.0	XRT_Custom_430_OG [0x1ae]							
2018/06/10	10:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	11:30:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	11:30:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	11:30:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	11:30:36.0	XRT_PREFLR_STRT_406_OG [0x196]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	11:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	12:01:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	12:01:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	12:01:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/06/10	12:02:00.0	AOCS_Ore-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	01	00	00	00	00
2018/06/10	12:02:18.0	XRT_FLD_ENA_437_OG [0x1b5]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/06/10	12:04:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/06/10	12:04:50.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/06/10	12:04:52.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/10	12:04:54.0	XRT_FLD_RESET_420_OG [0x1a4]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	12:04:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2018/06/10	12:04:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/06/10	12:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	13:09:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	13:09:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

2018/06/10	13:09:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/10	13:09:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/10	13:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/10	13:38:30.0	XRT_Custom_430_OG [0x1ae]				
2018/06/10	13:39:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/10	14:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:34:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/06/10	14:35:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00
2018/06/10	14:35:18.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/06/10	14:35:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/06/10	14:35:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/10	14:37:58.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2018/06/10	14:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/10	14:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/10	14:47:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/10	14:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/10	14:54:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:54:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	14:54:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/10	14:55:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00 3d 99 c9 38
2018/06/10	14:55:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/10	14:57:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/10	14:57:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/10	14:57:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/10	14:57:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/10	14:57:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2018/06/10	14:57:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/10	15:21:30.0	XRT_Custom_430_OG [0x1ae]				
2018/06/10	15:22:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/10	15:28:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	15:28:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	15:28:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/10	15:29:00.0	AOCS_Ore-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 38 62 ce 67
2018/06/10	15:29:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/10	15:31:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/10	15:31:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/10	15:31:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/10	15:31:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/10	15:31:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2018/06/10	15:31:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/10	15:32:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/10	16:02:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	16:02:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/10	16:02:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/10	16:03:00.0	AOCS_Ore-point_Start_8_OG [0x09e]				

2018/06/10	16:03:18.0	XRT_FLD_ENA_437_OG [0x1b5]	AOCU_NM	5	02-76	00	2f	5c	d7	2c
			MDP_XRT_FLD_ENA	1	07-F0		d8			
2018/06/10	16:05:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8			
			MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2018/06/10	16:05:50.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0			
			MDP_XRT_AEC_RESET	1	07-F0		d0			
2018/06/10	16:05:52.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5			
			MDP_XRT_ARS_DIS	1	07-F0		d5			
2018/06/10	16:05:54.0	XRT_FLD_RESET_420_OG [0x1a4]		1	07-F0		da			
			MDP_XRT_FLD_RESET	1	07-F0		da			
2018/06/10	16:05:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]		2	07-F0		c4	0a		
			MDP_XRT_QT_PROG_SET	2	07-F0		c4	0a		
2018/06/10	16:05:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		2	07-F0		c5	0d		
			MDP_XRT_FL_PROG_SET	2	07-F0		c5	0d		
2018/06/10	16:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2018/06/10	16:25:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	16:25:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	16:25:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0		da			
			MDP_XRT_FLD_RESET	1	07-F0		da			
2018/06/10	16:25:36.0	XRT_PREFLR_STRT_406_OG [0x196]		1	07-F0		e8			
			MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2018/06/10	16:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0		e9			
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2018/06/10	16:36:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	16:36:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	16:36:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/06/10	16:37:00.0	AOCS_ORe-point_Start_9_OG [0x09f]		5	02-76	00	28	9b	dd	9a
			AOCU_NM	5	02-76	00	28	9b	dd	9a
2018/06/10	16:37:18.0	XRT_FLD_ENA_437_OG [0x1b5]		1	07-F0		d8			
			MDP_XRT_FLD_ENA	1	07-F0		d8			
2018/06/10	16:39:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8			
			MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2018/06/10	16:39:50.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0			
			MDP_XRT_AEC_RESET	1	07-F0		d0			
2018/06/10	16:39:52.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5			
			MDP_XRT_ARS_DIS	1	07-F0		d5			
2018/06/10	16:39:54.0	XRT_FLD_RESET_420_OG [0x1a4]		1	07-F0		da			
			MDP_XRT_FLD_RESET	1	07-F0		da			
2018/06/10	16:39:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]		2	07-F0		c4	0a		
			MDP_XRT_QT_PROG_SET	2	07-F0		c4	0a		
2018/06/10	16:39:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		2	07-F0		c5	0d		
			MDP_XRT_FL_PROG_SET	2	07-F0		c5	0d		
2018/06/10	17:08:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0		c0			
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2018/06/10	17:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	17:49:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	17:49:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	17:49:58.0	XRT_FOCUS_POSITION_403_OG [0x193]		4	07-F8	22	ff	aa	00	
			XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/06/10	17:50:00.0	AOCS_ORe-point_Start_4_OG [0x09a]		5	02-76	00	00	00	00	00
			AOCU_NM	5	02-76	00	00	00	00	00
2018/06/10	17:50:18.0	XRT_FLD_DIS_401_OG [0x191]		1	07-F0		d9			
			MDP_XRT_FLD_DIS	1	07-F0		d9			
2018/06/10	17:50:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]		1	07-F0		c9			
			MDP_XRT_FLRCTRL_DIS	1	07-F0		c9			
2018/06/10	17:50:22.0	XRT_ARS_DIS_422_OG [0x1a6]		1	07-F0		d5			
			MDP_XRT_ARS_DIS	1	07-F0		d5			
2018/06/10	17:52:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]		2	07-F0		c4	08		
			MDP_XRT_QT_PROG_SET	2	07-F0		c4	08		
2018/06/10	17:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0			
			MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2018/06/10	18:04:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	18:04:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	18:04:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0		da			
			MDP_XRT_FLD_RESET	1	07-F0		da			
2018/06/10	18:04:06.0	XRT_PREFLR_STRT_406_OG [0x196]		1	07-F0		e8			
			MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2018/06/10	18:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0		e9			
			MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2018/06/10	18:59:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	18:59:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1			
			MDP_XRT_CTRL_MANU	1	07-F0		c1			
2018/06/10	18:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		4	07-F8	22	fe	97	00	
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/06/10	19:00:00.0	AOCS_ORe-point_Start_5_OG [0x09b]		5	02-76	01	00	00	00	00
			AOCU_NM	5	02-76	01	00	00	00	00
2018/06/10	19:00:18.0	XRT_FLD_ENA_437_OG [0x1b5]		1	07-F0		d8			
			MDP_XRT_FLD_ENA	1	07-F0		d8			
2018/06/10	19:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8			
			MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2018/06/10	19:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0			

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Page 8/14

2018/06/10	19:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/10	19:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	19:02:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a			
2018/06/10	19:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/06/10	19:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	19:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	19:42:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	19:42:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	19:42:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	19:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	20:22:00.0	XRT_Custom_430_OG [0x1ae]								
2018/06/10	20:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	21:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	21:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	21:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	21:20:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	21:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	21:59:00.0	XRT_Custom_430_OG [0x1ae]								
2018/06/10	22:00:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	22:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	22:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	22:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/10	22:59:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/10	23:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/10	23:33:30.0	XRT_Custom_430_OG [0x1ae]								
2018/06/10	23:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/10	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/10	23:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/06/11	00:00:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	00	00	00	00
2018/06/11	00:00:18.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/06/11	00:00:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/06/11	00:00:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/06/11	00:02:58.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2018/06/11	00:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/11	00:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/11	00:37:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/11	00:37:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/11	00:37:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/11	00:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/11	01:07:00.0	XRT_Custom_430_OG [0x1ae]								
2018/06/11	01:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/06/11	02:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/11	02:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/06/11	02:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/06/11	02:13:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/06/11	02:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/06/11	02:45:30.0	XRT_Custom_430_OG [0x1ae]								
2018/06/11	02:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]								

2018/06/11	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/11	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	02:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	03:00:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/11	03:00:18.0	XRT_FLD_ENA_437_OG [0x1b5]	AOCU_NM	5	02-76	01 00 00 00 00
2018/06/11	03:02:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/11	03:02:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/11	03:02:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/11	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/11	03:02:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/11	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2018/06/11	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/11	03:49:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/11	03:49:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	03:49:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	03:49:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/11	03:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/11	04:24:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/11	04:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/06/11	05:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/11	05:19:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	05:19:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	05:19:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/11	05:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/11	06:02:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/11	06:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2018/06/11	06:07:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/11	06:07:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	06:07:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	06:07:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/06/11	06:07:48.0	XRT_FLD_DIS_401_OG [0x191]	AOCU_NM	5	02-76	00 00 00 00 00
2018/06/11	06:07:50.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/06/11	06:07:52.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/06/11	06:10:28.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/11	06:10:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2018/06/11	06:17:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/11	06:17:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	06:17:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/11	06:17:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/11	06:17:48.0	XRT_FLD_ENA_437_OG [0x1b5]	AOCU_NM	5	02-76	00 00 00 00 00
2018/06/11	06:20:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/11	06:20:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/11	06:20:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/11	06:20:24.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/11	06:20:26.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/11	06:20:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2018/06/11	06:20:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/11			MDP_XRT_CTRL_AUTO	1	07-F0	c0

2018/06/11	06:59:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	06:59:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	06:59:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	06:59:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/11	07:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/11	07:41:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	07:41:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	07:41:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/06/11	07:42:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 04 fd 01 99		
2018/06/11	07:42:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/06/11	07:44:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/06/11	07:44:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/06/11	07:44:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/06/11	07:44:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	07:44:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2018/06/11	07:44:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/06/11	07:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/06/11	08:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	08:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	08:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	08:39:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/11	08:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/11	09:19:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	09:19:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	09:19:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2018/06/11	09:20:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 55 68 01 99		
2018/06/11	09:20:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/06/11	09:22:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/06/11	09:22:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/06/11	09:22:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/06/11	09:22:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	09:22:56.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2018/06/11	09:22:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/06/11	09:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/06/11	10:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	10:20:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	10:20:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	10:20:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/11	10:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/11	12:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	12:06:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	12:06:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/06/11	12:06:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/06/11	12:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/06/11	12:36:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	12:36:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/06/11	12:36:58.0	XRT_FOCUS_RECALIBRATE_429_OG [0x1ad]						

Jun 09, 18 13:22

XRT_OGLIST_0548.chk

Page 11/14

2018/06/11	12:37:00.0	AOCS_Or-point_Start_10_OG [0x0a0]	XRT_FOCUS_RECAL	2	07-F8	78	00
			AOCU_NM	5	02-76	02 04	fd 01 99
2018/06/11	12:40:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe	97 00
2018/06/11	12:41:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8
2018/06/11	12:41:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8
2018/06/11	12:41:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0		d0
2018/06/11	12:41:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0		d5
2018/06/11	12:41:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	12:43:56.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2018/06/11	12:43:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/06/11	12:44:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0
2018/06/11	13:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	13:44:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	13:44:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	13:44:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0		e8
2018/06/11	13:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9
2018/06/11	14:14:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/11	14:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0		c0
2018/06/11	15:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	15:22:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	15:22:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	15:22:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0		e8
2018/06/11	15:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9
2018/06/11	16:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	16:01:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	16:01:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	16:01:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0		e8
2018/06/11	16:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9
2018/06/11	16:07:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	16:07:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	16:07:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe	97 00
2018/06/11	16:08:00.0	AOCS_Or-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	03 04	fd 01 99
2018/06/11	16:08:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8
2018/06/11	16:08:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8
2018/06/11	16:08:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0		d0
2018/06/11	16:08:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0		d5
2018/06/11	16:08:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	16:10:56.0	XRT_QT_PROG_SET_413_OG [0x19d]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2018/06/11	16:10:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/06/11	16:11:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0
2018/06/11	17:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	17:01:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1
2018/06/11	17:01:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da
2018/06/11	17:01:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0		e8
2018/06/11	17:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9
2018/06/11	17:43:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/11	17:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0		c0
2018/06/11	18:39:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1

Jun 09, 18 13:22

XRT_OGLIST_0548.chk

Page 12/14

2018/06/11	18:39:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	18:39:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/11	18:39:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/11	18:42:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/11	19:19:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	19:19:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	19:19:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/06/11	19:20:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/06/11	19:20:18.0	XRT_FLD_DIS_401_OG [0x191]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/06/11	19:20:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/06/11	19:20:22.0	XRT_ARS_DIS_422_OG [0x1a6]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/11	19:22:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2018/06/11	19:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/11	19:44:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	19:44:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	19:44:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2018/06/11	19:45:00.0	AOCS_Ore-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00 f7 4c 53 02	
2018/06/11	19:45:18.0	XRT_FLD_ENA_437_OG [0x1b5]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/06/11	19:47:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/06/11	19:47:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/06/11	19:47:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/06/11	19:47:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/11	19:47:56.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03	
2018/06/11	19:47:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/06/11	19:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/11	20:17:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	20:17:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	20:17:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/11	20:17:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/11	20:20:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/11	20:57:00.0	XRT_Custom_430_OG [0x1ae]					
2018/06/11	20:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/11	21:56:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	21:56:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	21:56:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/11	21:56:06.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/11	21:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/11	22:33:30.0	XRT_Custom_430_OG [0x1ae]					
2018/06/11	22:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/06/11	23:34:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	23:34:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	23:34:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/06/11	23:34:36.0	XRT_PREFLR_STRT_406_OG [0x196]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/06/11	23:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/06/11	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/06/11	23:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/06/12	00:00:00.0	AOCS_Ore-point_Start_4_OG [0x09a]					

2018/06/12	05:38:26.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	05:38:28.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/12	05:38:30.0	AOCS_ORe-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00 f7 4c 53 02
2018/06/12	05:38:48.0	XRT_FLD_ENA_437_OG [0x1b5] MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/12	05:41:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/12	05:41:20.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/12	05:41:22.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/12	05:41:24.0	XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/12	05:41:26.0	XRT_QT_PROG_SET_447_OG [0x1bf] MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2018/06/12	05:41:28.0	XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/12	05:41:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/12	05:55:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	05:55:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	05:55:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/12	05:55:36.0	XRT_PREFLR_STRT_406_OG [0x196] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/12	05:58:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/12	06:37:30.0	XRT_Custom_430_OG [0x1ae]			
2018/06/12	06:38:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/12	07:35:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	07:35:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	07:35:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/12	07:35:36.0	XRT_PREFLR_STRT_406_OG [0x196] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/12	07:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/12	08:16:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	08:16:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	08:16:58.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/06/12	08:17:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00 04 fd 01 99
2018/06/12	08:17:18.0	XRT_FLD_ENA_437_OG [0x1b5] MDP_XRT_FLD_ENA	1	07-F0	d8
2018/06/12	08:19:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/06/12	08:19:50.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0
2018/06/12	08:19:52.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2018/06/12	08:19:54.0	XRT_FLD_RESET_420_OG [0x1a4] MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/12	08:19:56.0	XRT_QT_PROG_SET_449_OG [0x1c1] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2018/06/12	08:19:58.0	XRT_FL_PROG_SET_440_OG [0x1b8] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/06/12	08:20:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/12	09:15:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	09:15:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	09:15:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2018/06/12	09:15:36.0	XRT_PREFLR_STRT_406_OG [0x196] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/06/12	09:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/06/12	09:54:00.0	XRT_Custom_430_OG [0x1ae]			
2018/06/12	09:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/06/12	10:55:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	10:55:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/06/12	10:56:00.0	AOCS_ORe-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	00 00 00 00 00