

Period: 2017/12/30 11:19:00 - 2018/01/09 10:41:00

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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								
12/30 18:21:30 - 12/30 18:28:24			Fixed (0.0, 0.0)					synoptic, shifted 18.5 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		

XOB #1B89: AR - Standard Core - (Filter-Ratio with All/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and All/poly context, with															
Term			Pointing (x, y)						Comment						
12/30 18:31:30 - 12/31 06:02:54			Fixed (890.0, 276.0)						Cont,						
PROG= 07 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 #1BD9: Synoptic Q95 2x2 - Al/mesh(64/512/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + T												
Term		Pointing (x, y)		Comment								
12/31 06:07:26 - 12/31 06:15:00		Fixed (0.0, 0.0)		synoptic, shifted 3.0 min								
01/03 18:03:00 - 01/03 18:09:54		Fixed (0.0, 0.0)		synoptic								
01/04 06:16:00 - 01/04 06:22:54		Fixed (0.0, 0.0)		synoptic, shifted 13.0 min								

PROG= 17 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) 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 #1BC7: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh(2048ms), Al/Poly(4096ms) - w leak image-1ms												
Term		Pointing (x, y)		Comment								
01/03 12:18:00 - 01/03 12:24:54		Fixed (-528.4, -528.4)		XRT quadra pointing (1/4)								

PROG= 01 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 51 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 3 2-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 3 2-time(s) 2.0sec												
Seqn= 34 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 #1BC8: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms												
Term		Pointing (x, y)		Comment								
01/03 12:28:00 - 01/03 12:34:54		Fixed (528.4, -528.4)		2/4								

PROG= 16 1-time(s)												
Subr= 1 1-time(s) 2.0sec												
Seqn= 38 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 3 2-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec

Subr= 3 2-time(s) 2.0sec												
Seqn= 34 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 #1BC9: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term		Pointing (x, y)					Comment							
01/03 12:38:00 - 01/03 12:44:54		Fixed (528.4, 528.4)					3/4							
PROG= 12 1-time(s)														
Subr= 1		1-time(s)		2.0sec										
Seqn= 21		1-time(s)		2.0sec										
└ Open/G-band		Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)		Q=90	0	0	2.0sec
└ Open/G-band		Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)		Q=90	0	0	2.0sec
└ Open/thick-Be		Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)		Q=98	0	0	2.0sec
└ Open/thick-Be		Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)		Q=98	0	0	2.0sec
Subr= 2		1-time(s)		2.0sec										
Seqn= 3		2-time(s)		2.0sec										
└ Open/Al-mesh		Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
└ Al-poly/Open		Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Subr= 3		2-time(s)		2.0sec										
Seqn= 34		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 #1BCA: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms

Term		Pointing (x, y)					Comment							
01/03 12:48:00 - 01/03 12:54:54		Fixed (-528.4, 528.4)					4/4							
PROG= 09 1-time(s)														
Subr= 1		1-time(s)		2.0sec										
Seqn= 14		1-time(s)		2.0sec										
Open/G-band		Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)		Q=90	0	0	2.0sec
Open/G-band		Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)		Q=90	0	0	2.0sec
Open/thick-Be		Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)		Q=98	0	0	2.0sec
Open/thick-Be		Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)		Q=98	0	0	2.0sec
Subr= 2		1-time(s)		2.0sec										
Seqn= 3		2-time(s)		2.0sec										
Open/Al-mesh		Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Al-poly/Open		Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Subr= 3		2-time(s)		2.0sec										
Seqn= 34		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 #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					
01/03 12:58:06 - 01/03 17:59:54			Track (-183.5, 272.0) @ 01/03 12:55:00					Bright point					
PROG= 08 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	1024x1024 (1536, 1536)		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 #1BB8: 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									
01/03 18:13:00 - 01/04 06:12:54		Track (-135.9, 272.9) @ 01/03 18:10:00		Cont,									
01/04 06:26:00 - 01/04 11:20:20		Track (-24.1, 274.4) @ 01/04 06:23:00		Cont,									
PROG= 15 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	1024x1024 (1536, 1536)	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 30-time(s) 120.0sec												
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Al-poly/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	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	

* * * * *

Flare mode

* * * * *

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
12/30 11:32:00 - 12/30 17:55:00	Fixed (890.0, 276.0)	# OP start + 10min, AR12692
12/30 18:31:30 - 12/31 06:02:54	Fixed (890.0, 276.0)	Cont,
01/03 12:58:06 - 01/03 17:59:54	Track (-183.5, 272.0) @ 01/03 12:55:00	Bright point
01/03 18:13:00 - 01/04 06:12:54	Track (-135.9, 272.9) @ 01/03 18:10:00	Cont,
01/04 06:26:00 - 01/04 11:20:20	Track (-24.1, 274.4) @ 01/04 06:23:00	Cont,

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

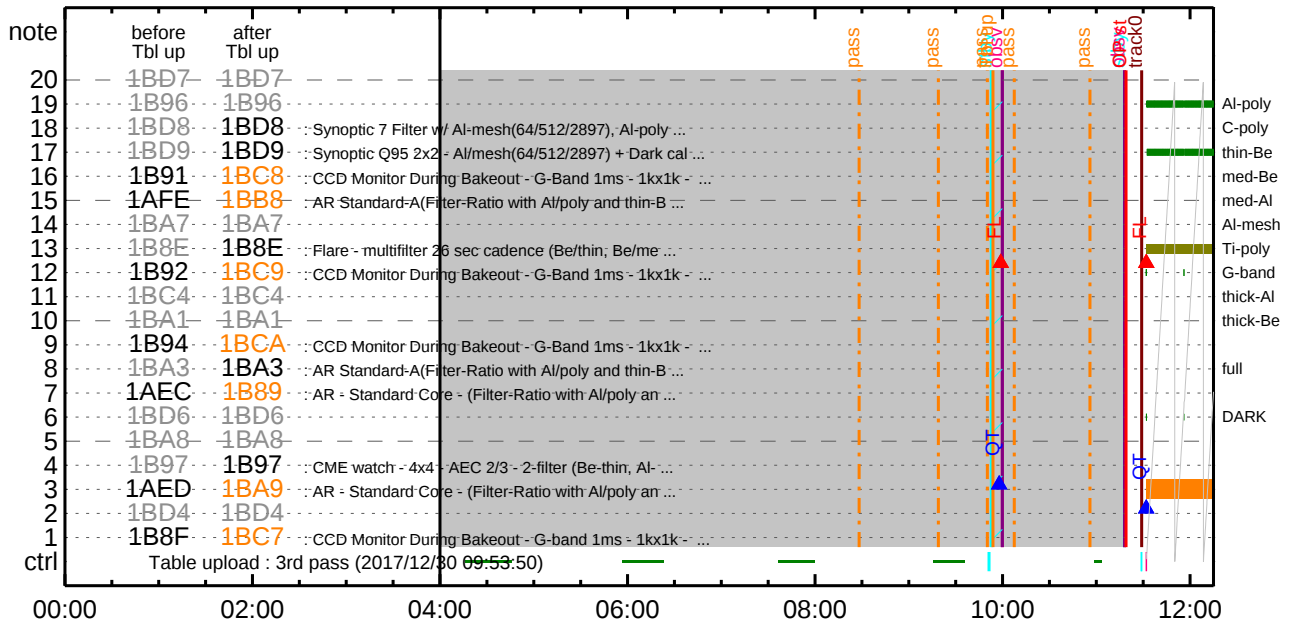
* * * * *

Flare Detection

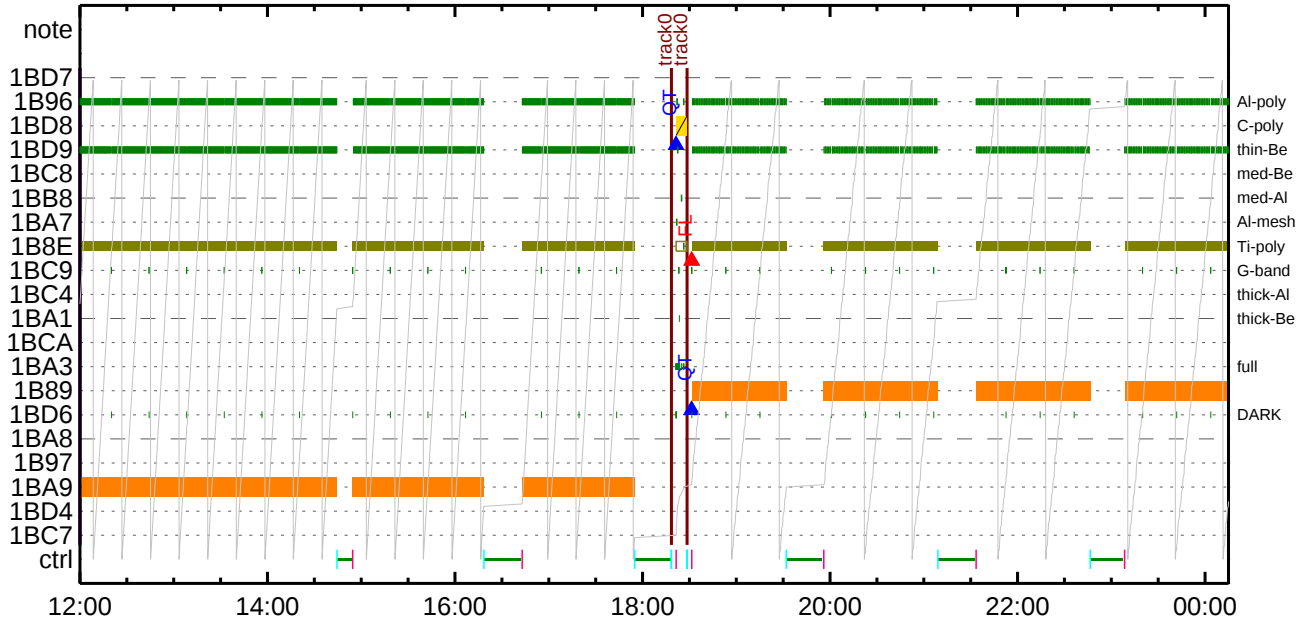
* * * * *

FLD Patrol													
Term	Pointing (x, y)									Comment			
12/30 18:28:48 - 12/31 06:07:18	Fixed (890.0, 276.0)									Cont,			
01/03 12:55:18 - 01/03 18:00:18	Track (-183.5, 272.0) @ 01/03 12:55:00									Bright point			
01/03 18:10:18 - 01/04 06:13:18	Track (-135.9, 272.9) @ 01/03 18:10:00									Cont,			
01/04 06:23:18 - 01/09 10:41:00	Track (-24.1, 274.4) @ 01/04 06:23:00									Cont,			
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50		30sec	
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

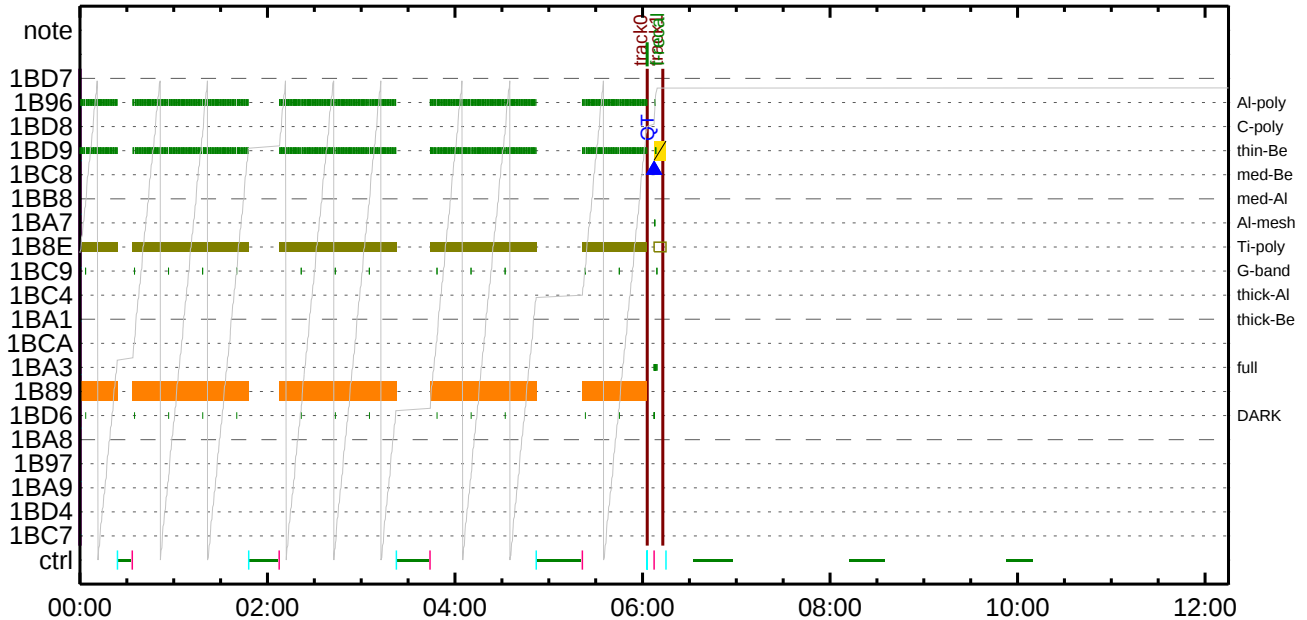
CMDI #0229 2017/12/30



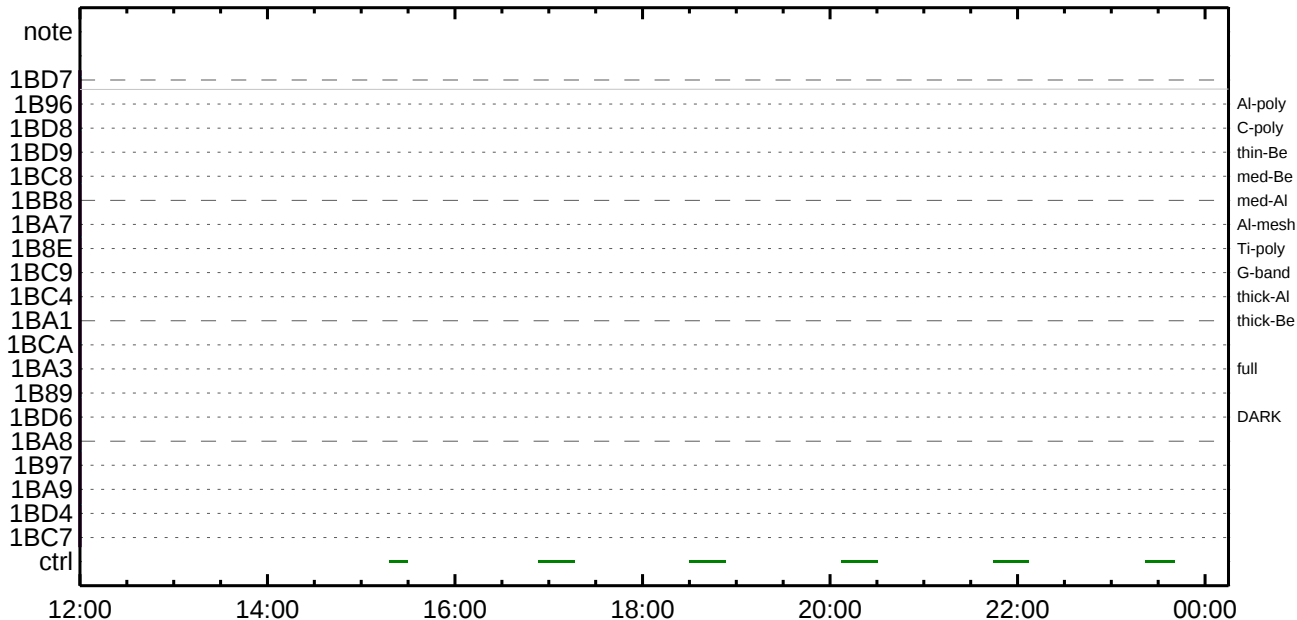
CMDI #0229 2017/12/30



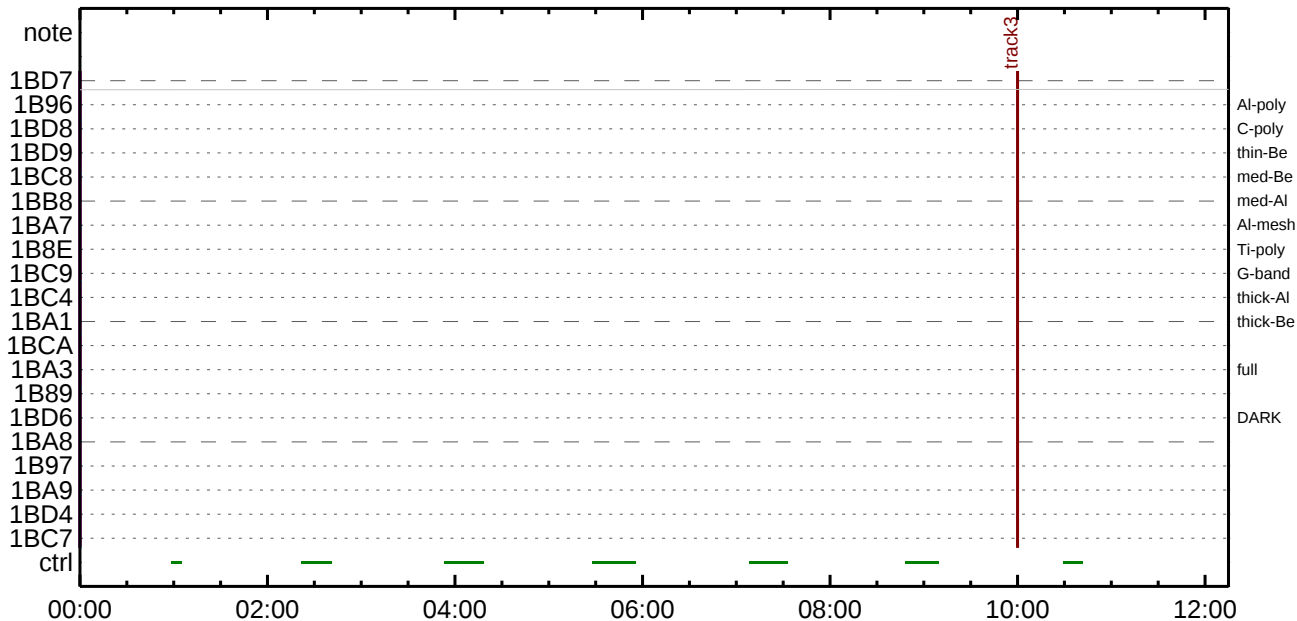
CMDI #0229 2017/12/31



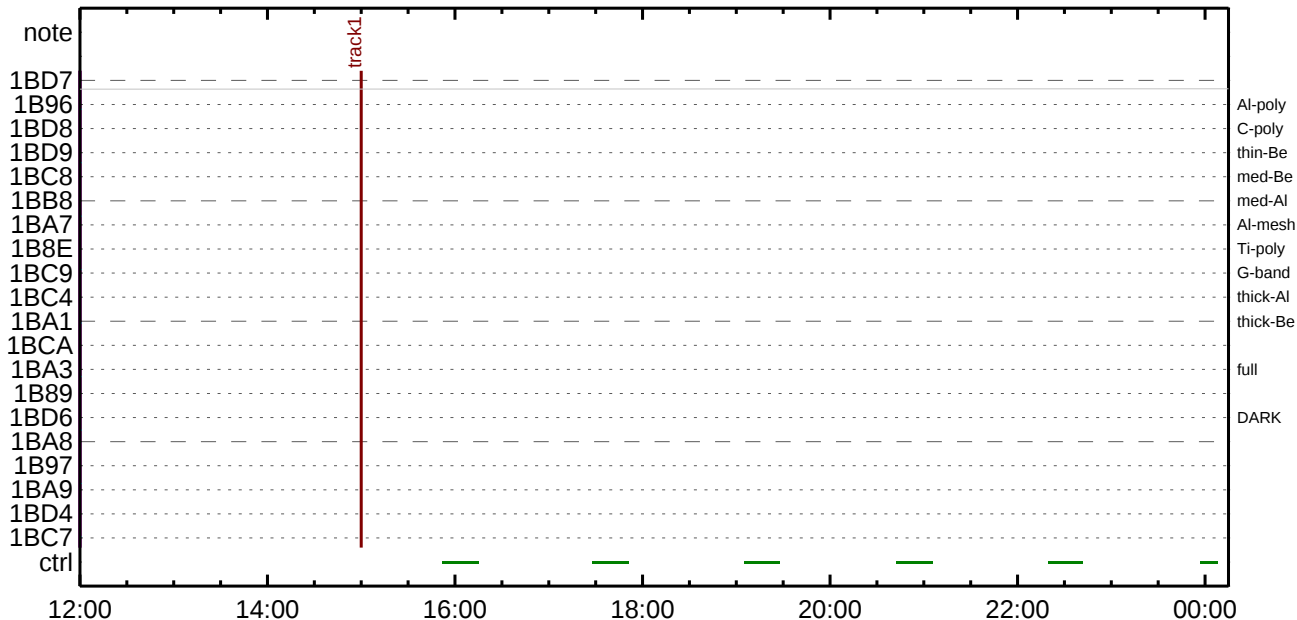
CMDI #0229 2017/12/31



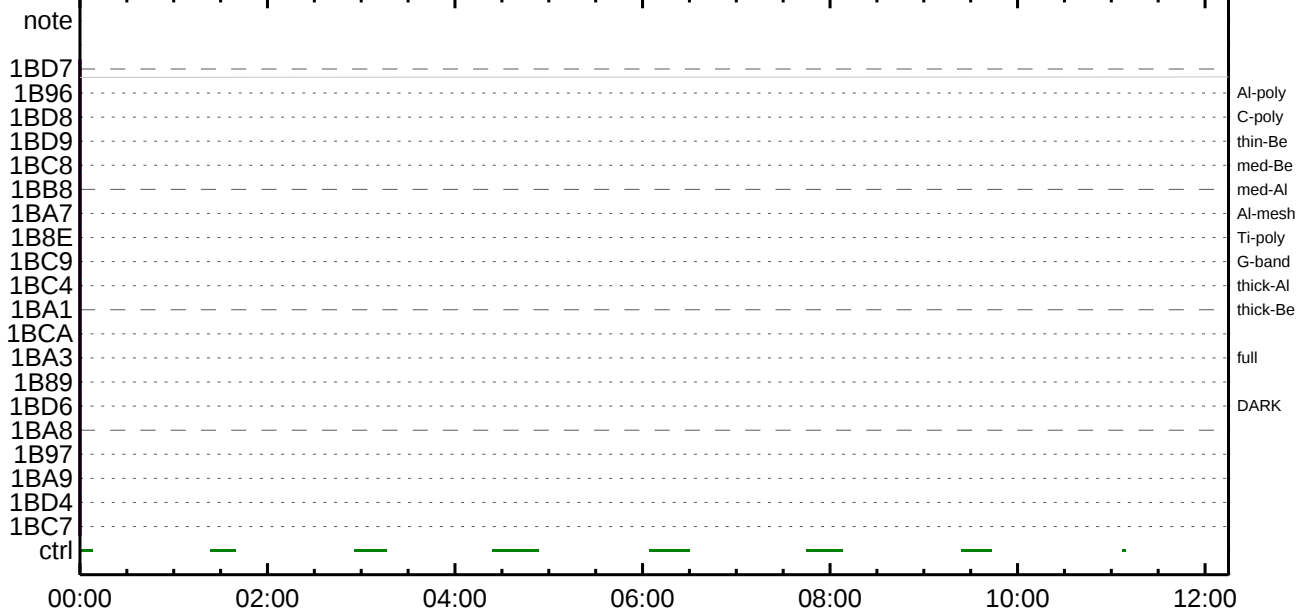
CMDI #0229 2018/01/01



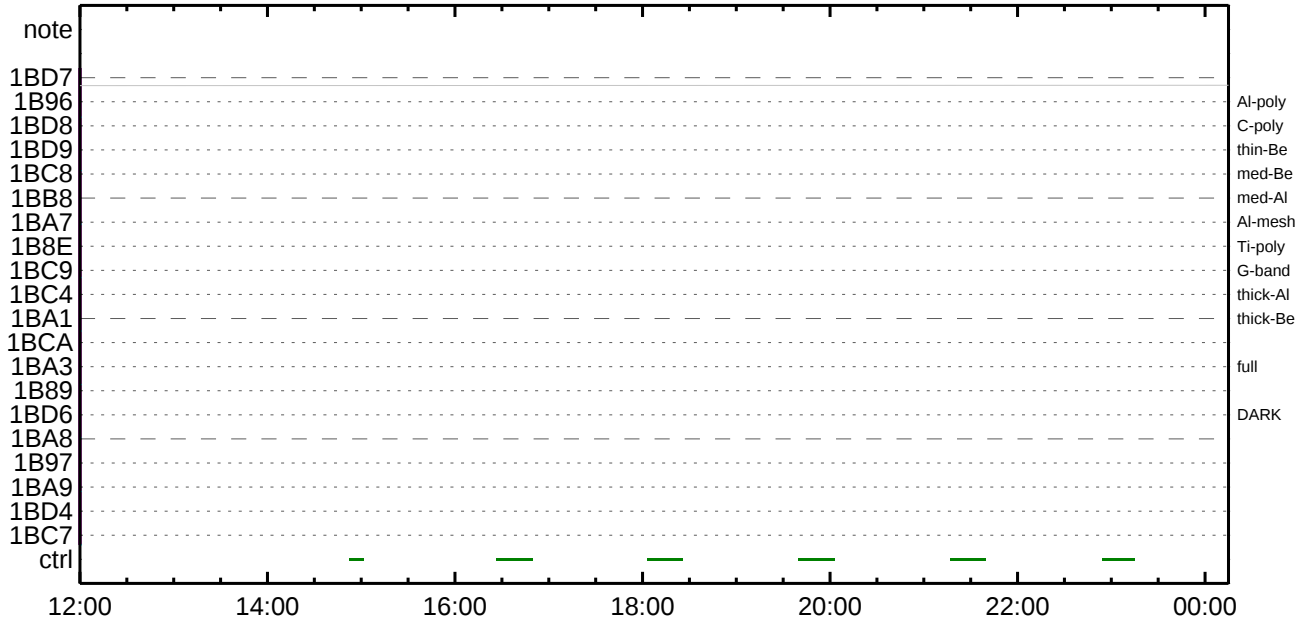
CMDI #0229 2018/01/01



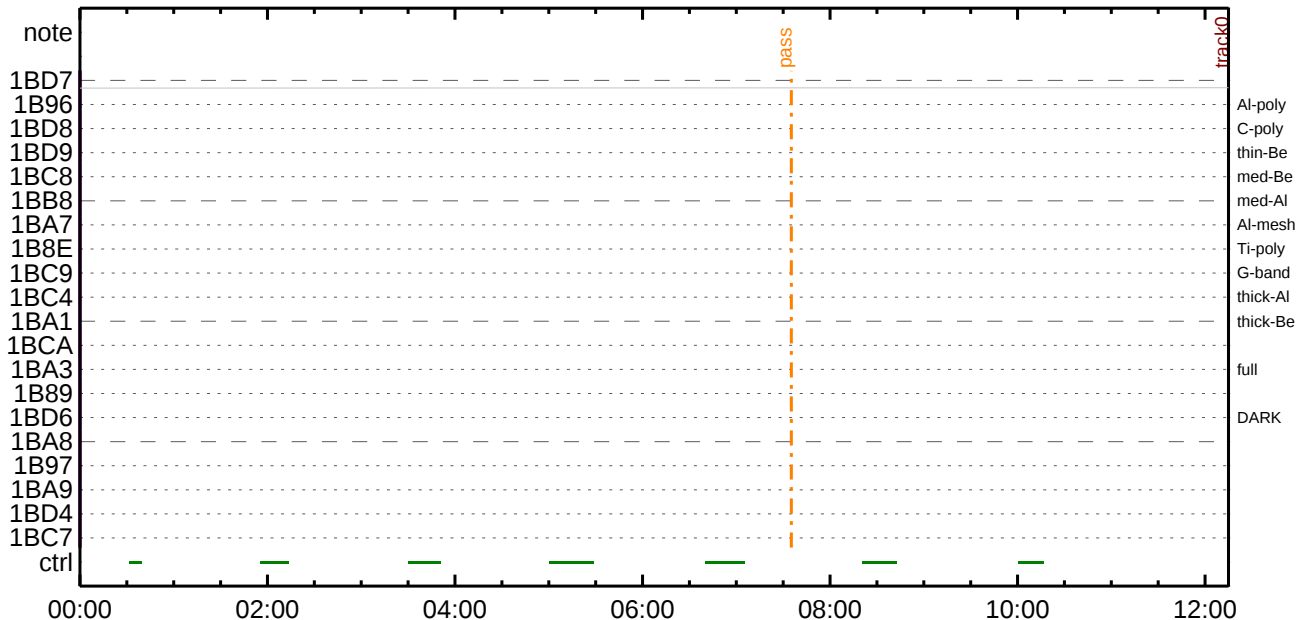
CMDI #0229 2018/01/02



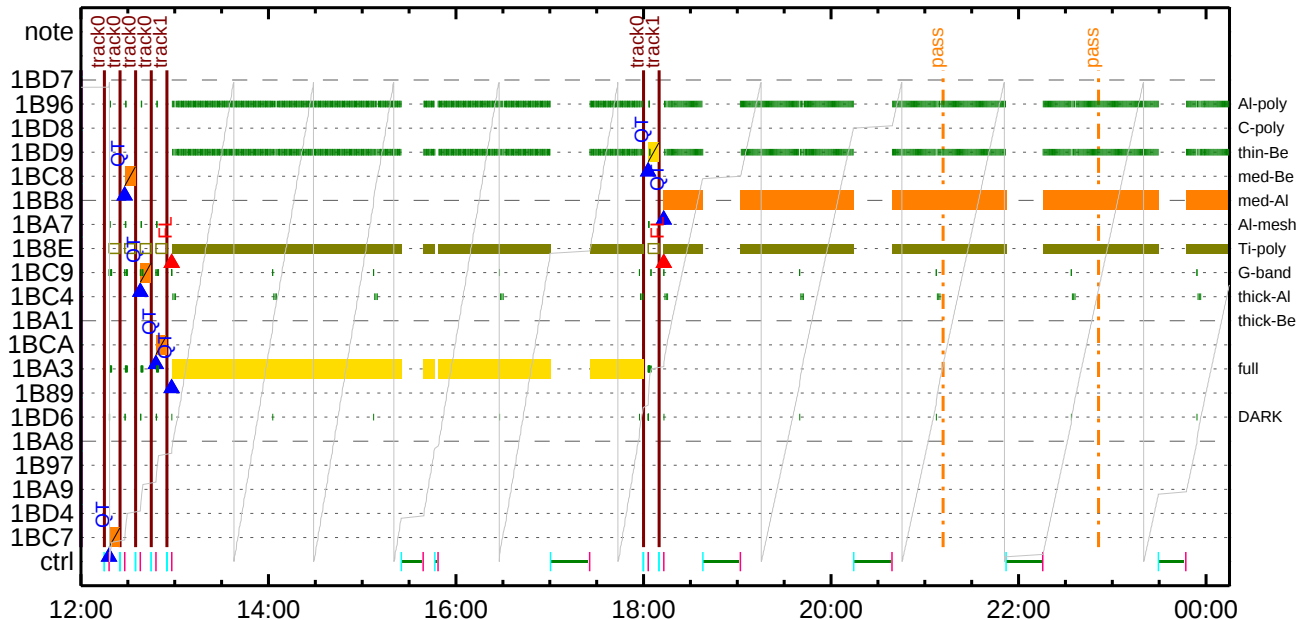
CMDI #0229 2018/01/02



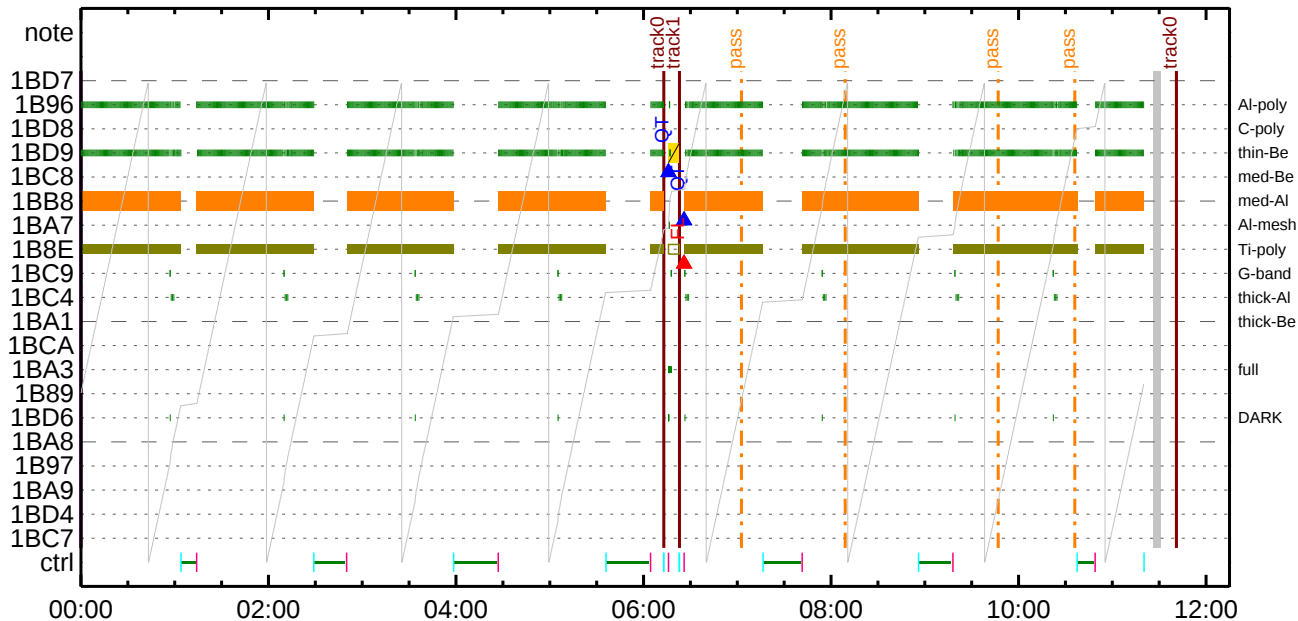
CMDI #0229 2018/01/03



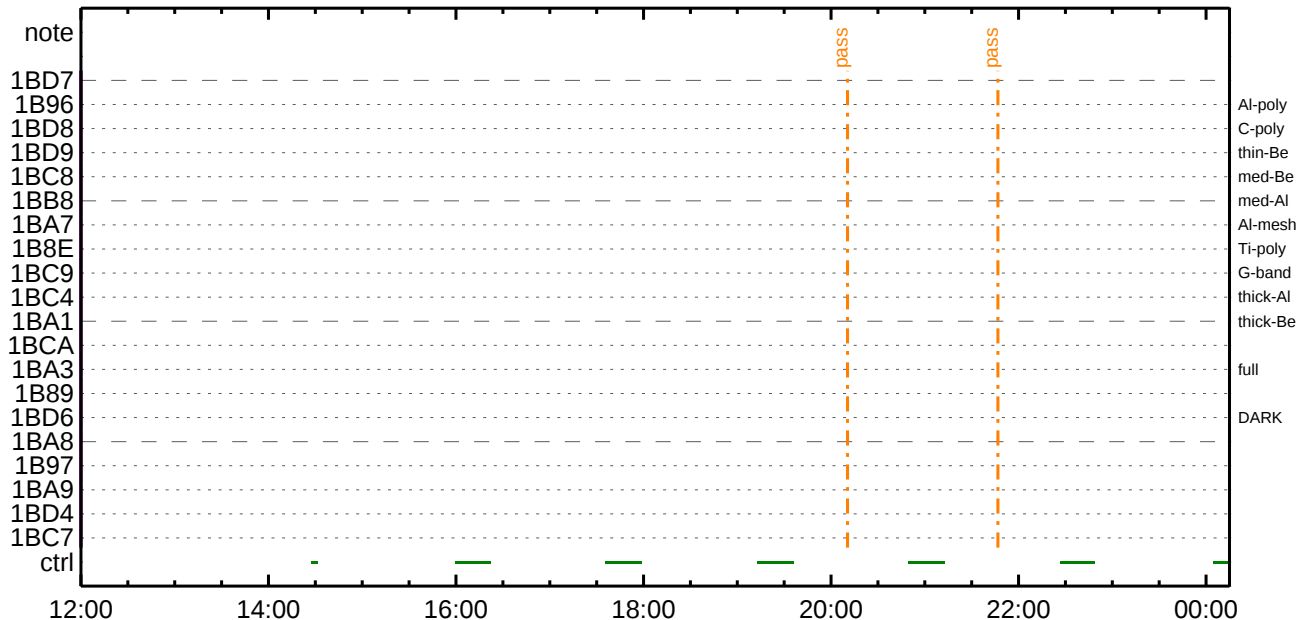
CMDI #0229 2018/01/03



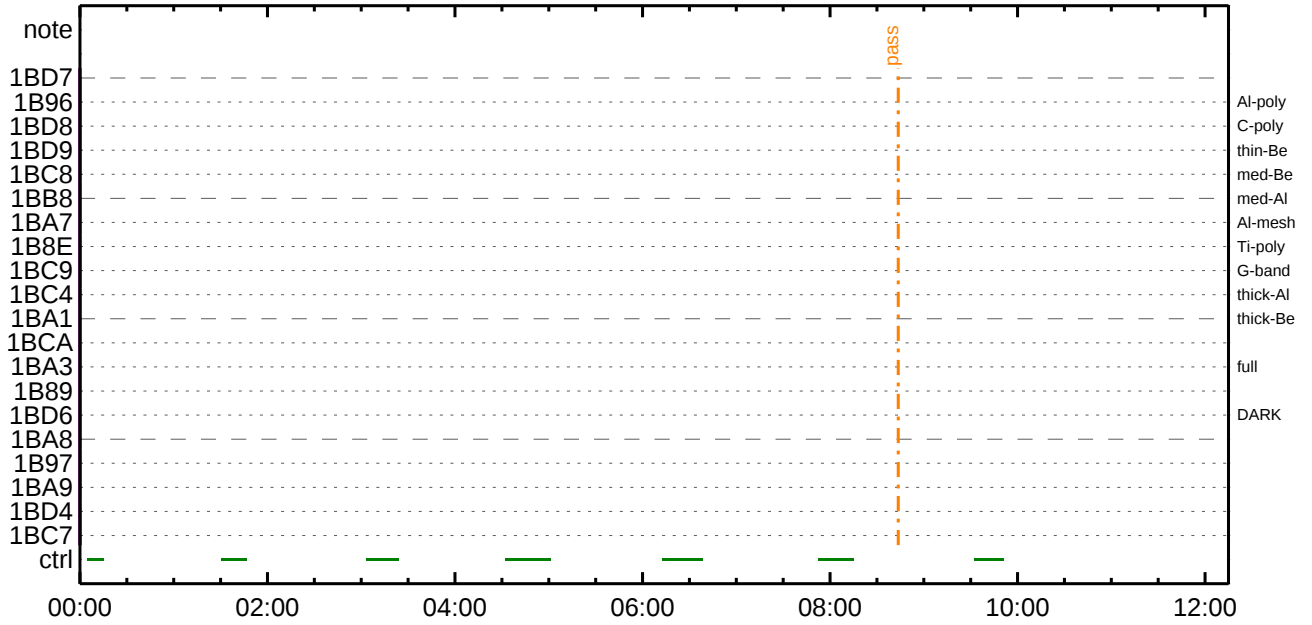
CMDI #0229 2018/01/04



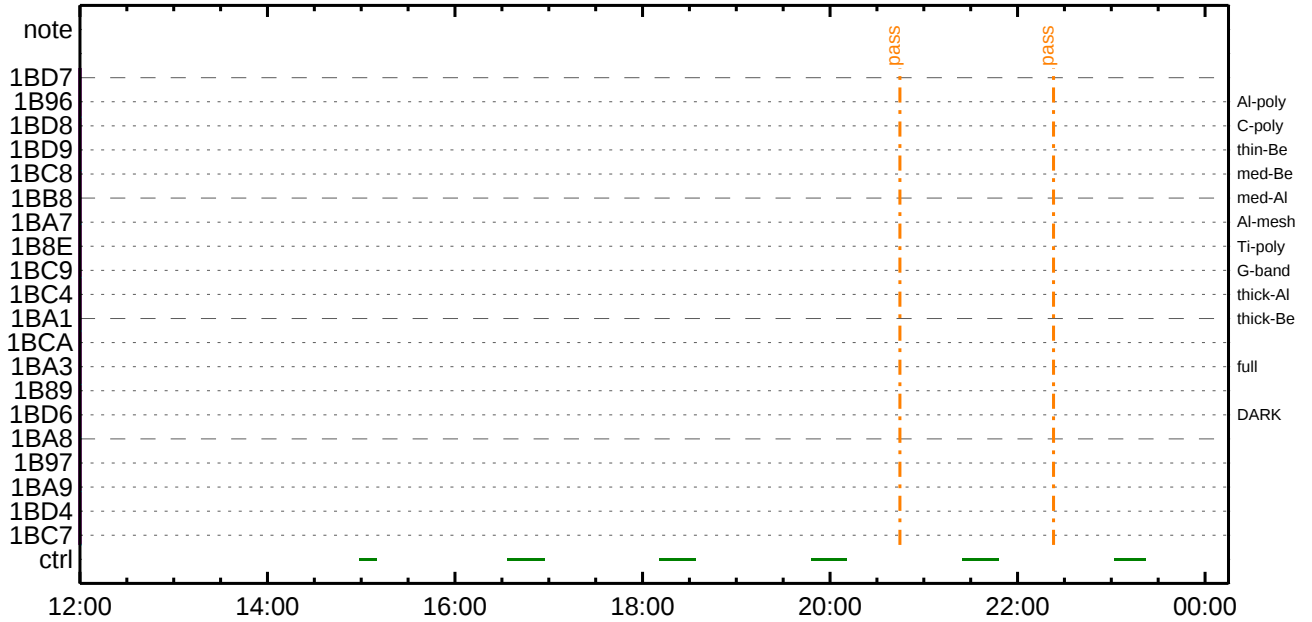
CMDI #0229 2018/01/04



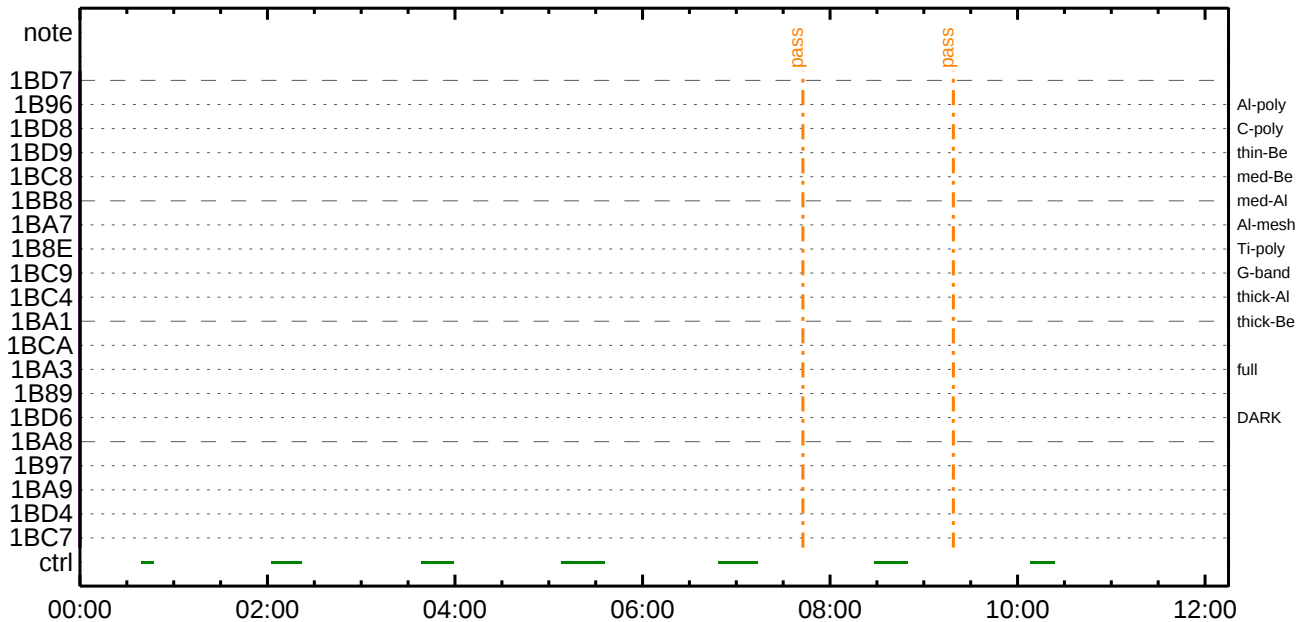
CMDI #0229 2018/01/05



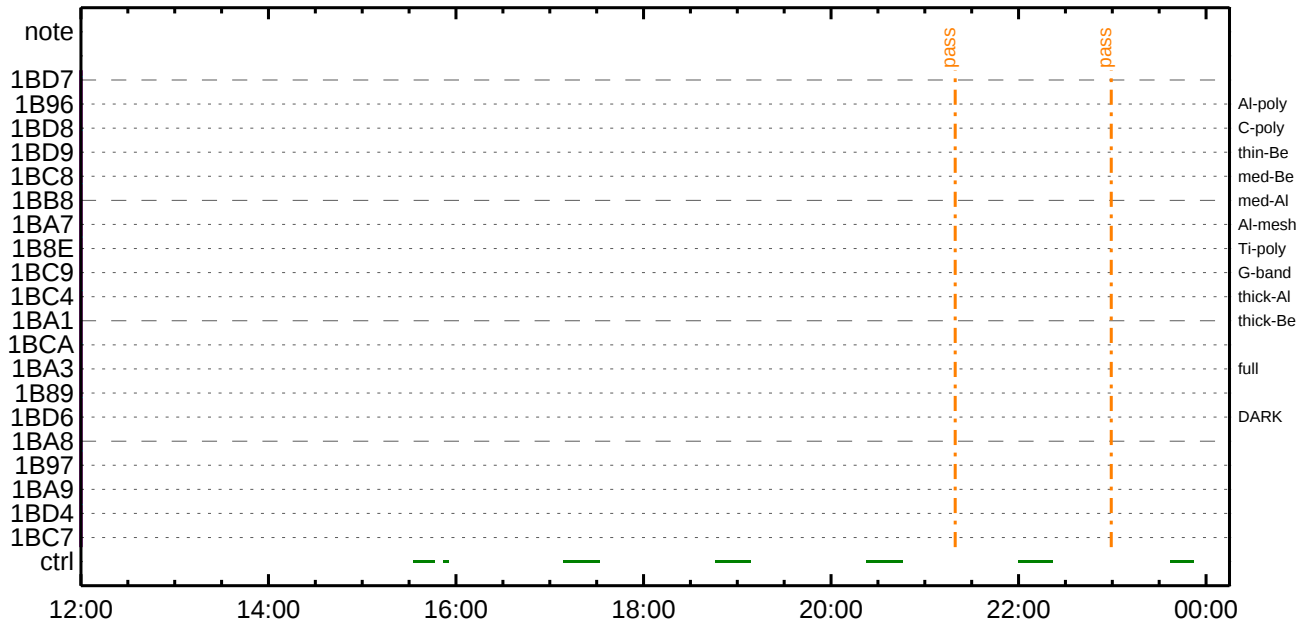
CMDI #0229 2018/01/05



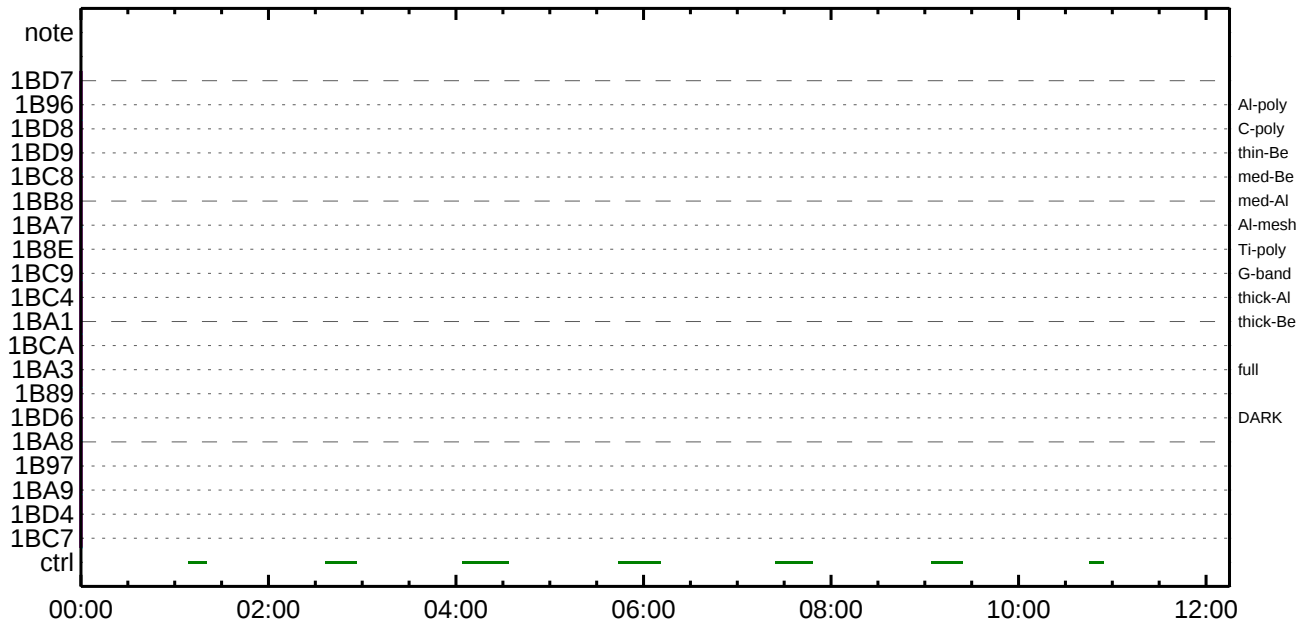
CMDI #0229 2018/01/06



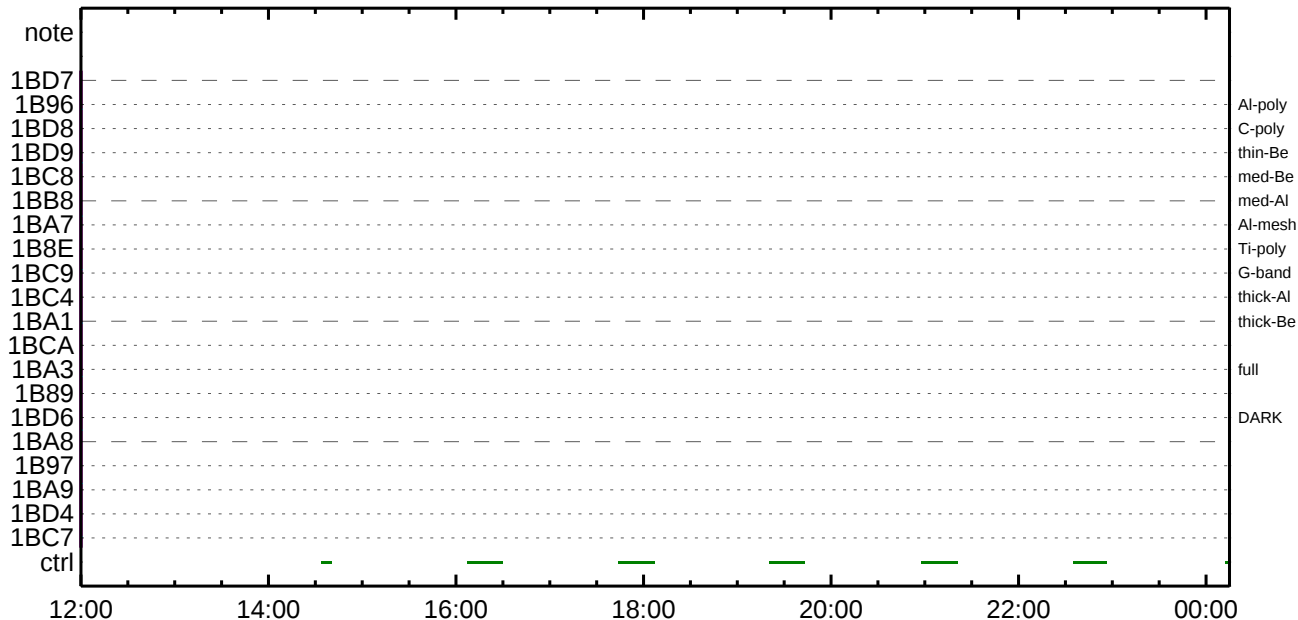
CMDI #0229 2018/01/06



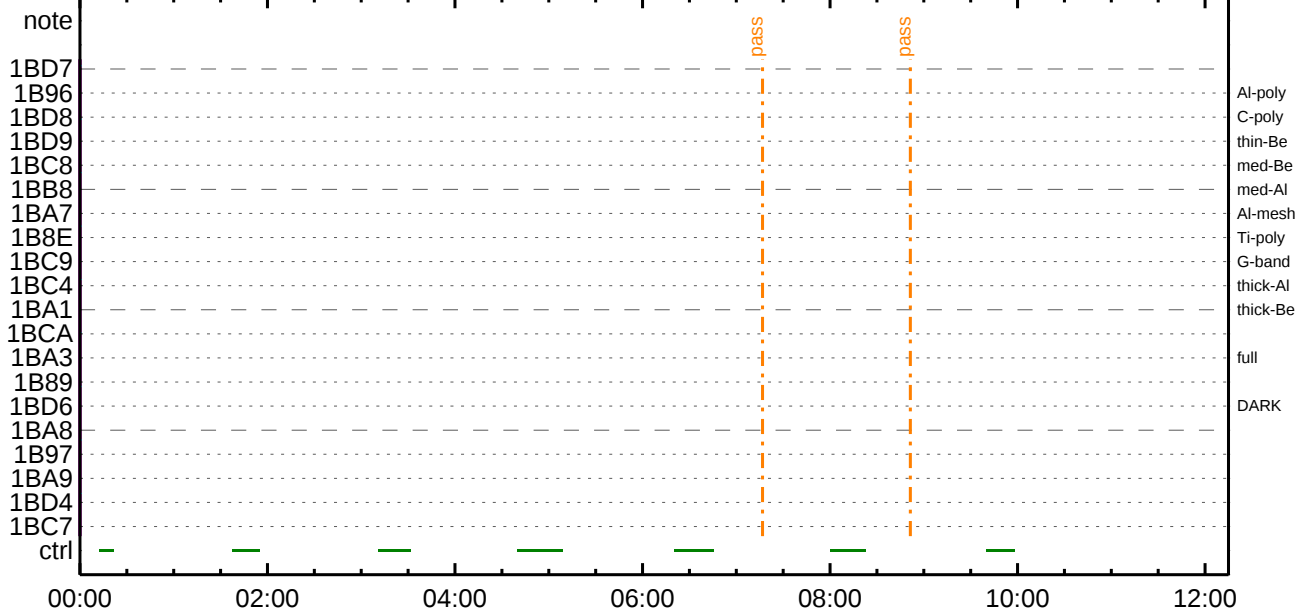
CMDI #0229 2018/01/07



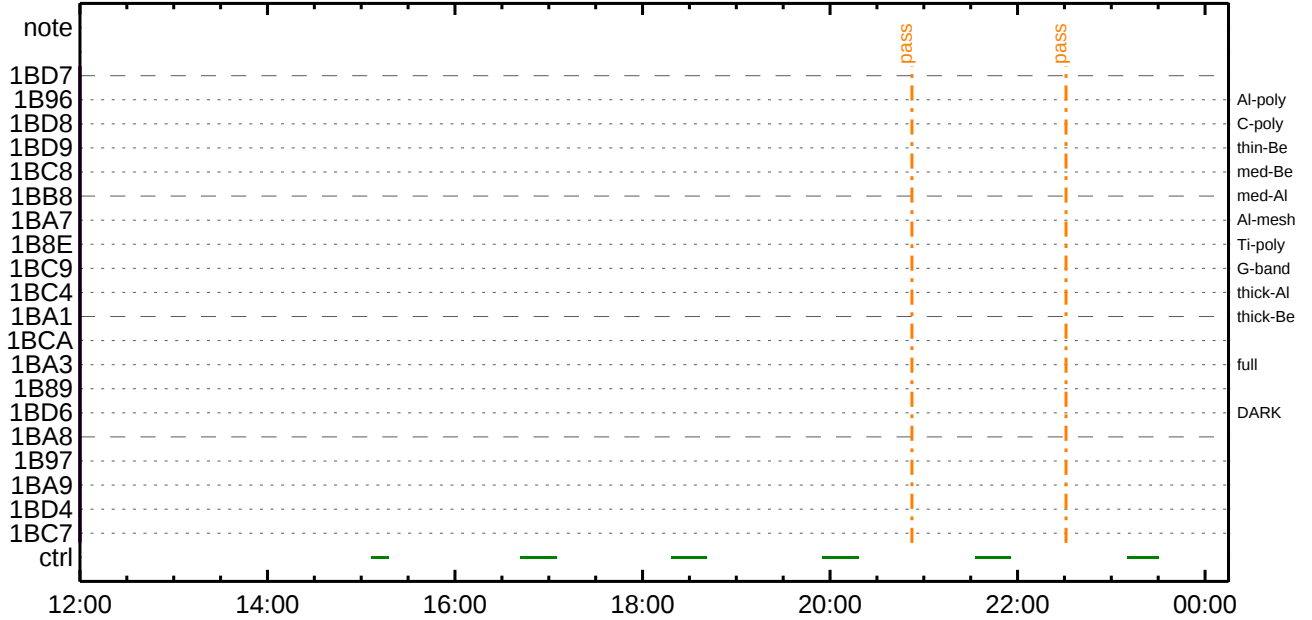
CMDI #0229 2018/01/07



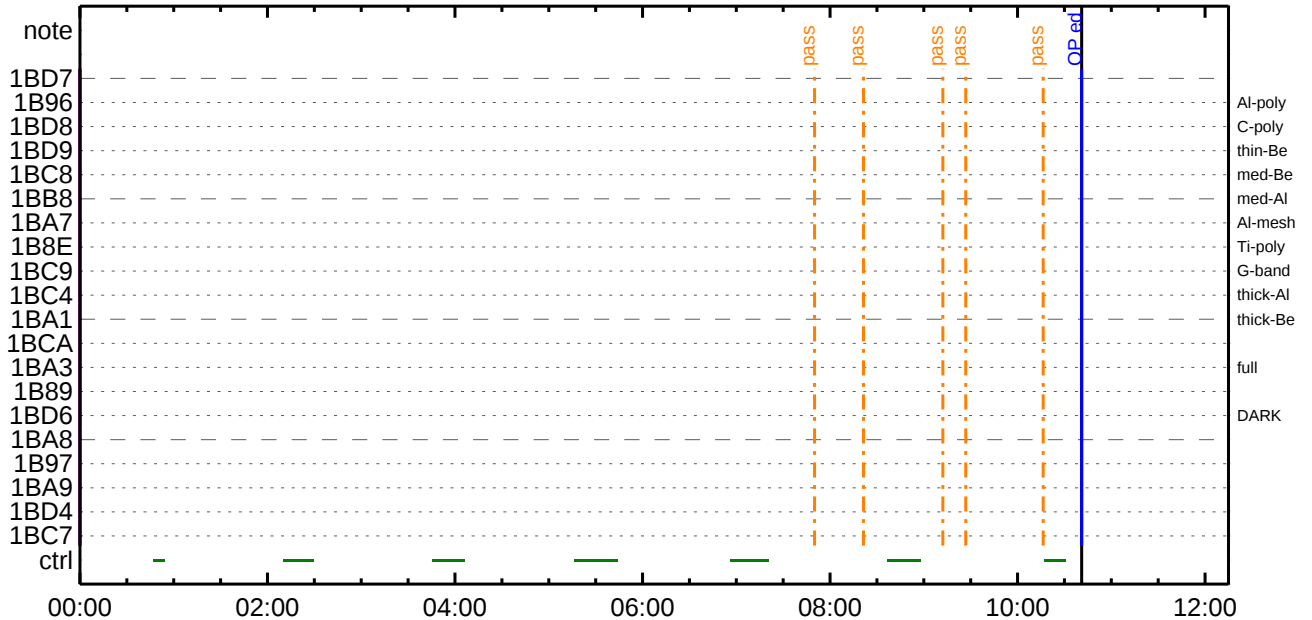
CMDI #0229 2018/01/08



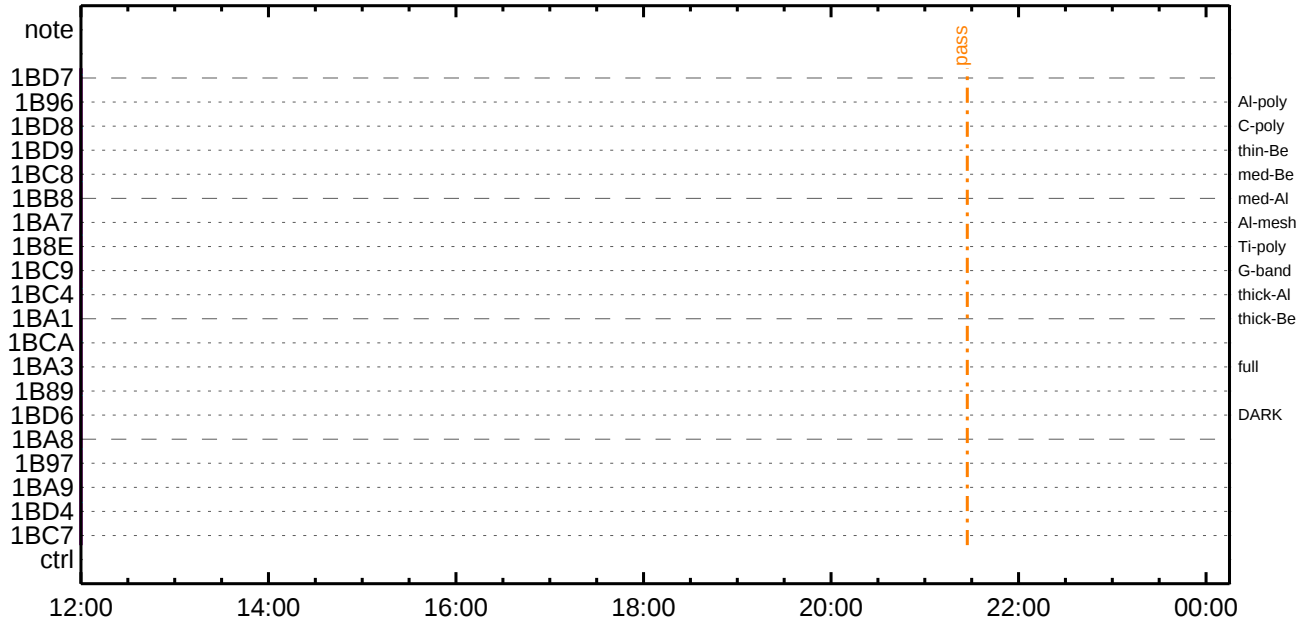
CMDI #0229 2018/01/08



CMDI #0229 2018/01/09



CMDI #0229 2018/01/09



[illegible]

```
0194 C.  
0195 +. TI 2017-12-30 11:18:59.5  
0196 DC 01-B2 DHU_OP_START  
0197 C.                                CC[HK1_TI_CMD_NUM]                EQ      1COUNTUP  
0198 C.  
0199 C. °Ê¼¤¤İÄê%ıİÑ¤İ¥Á¥S¥Ã¥¹äİÜ  
0200 C.                                CC[HK1_TI_CMD_ENA/DIS]            EQ      ENA  
0201 C.                                CC[HK1_TI_CMD_NUM]              EQ      4  
0202 C.                                CC[HK1_NEXT_EXEC_PIM]          EQ      DHU  
0203 C.                                CC[HK1_NEXT_EXEC_DC]          EQ      0xB3  
0204 C.  
0205 C. *****  
0206 C. TIIÎ°è¥Á¥0¥×  
0207 C. *****  
0208 C.  
0209 C. TI_TBL(0x03AB00-0x03AEFF;S 1024byte)  
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET  
0211 BC   (03 ab 03 01 02)  
0212 C.                                CC[HK1_DMP_TOP_ADRS_1]        EQ      07  
0213 C.                                CC[HK1_DMP_TOP_ADRS_0]        EQ      2B  
0214 C.                                CC[HK1_DMP_BLOCK_NUM]       EQ      3  
0215 C.                                CC[HK1_DMP_REPEAT_NUM]     EQ      0  
0216 C.                                CC[HK1_DMA_DMP_PIM]         EQ      DHU  
0217 +. DC 01-22 DHU_MODE_CHNG  
0218 BC   (07 0b f8)  
0219 C.                                CC[HK1_PKT_FORM_NO]        EQ      7  
0220 C.                                CC[HK1_PKT_GEN_TIME]       EQ      0.25 s  
0221 C.                                CC[HK1_S_TLM_BIT_RATE]    EQ      32k  
0222 C.                                CC[HK1_X_TLM_BIT_RATE]    EQ      4M  
0223 C.                                CC[HK1_DMP_CHK_FLG]       EQ      EXEC  
0224 C.  
0225 C. ¥À¥Ó¥×½ªİ»¤ð³İÇŞ  
0226 C.                                CC[HK1_DMP_CHK_FLG]       EQ      NON  
0227 C.  
0228 C. RAM ID=TI_TBL¤İ¥Ê¹Ç•ë²İOK¤ð³İÇŞ  
0229 C.  
0230 C. DHU¥âı¥¥ÉıÊ¼Ý½, ¥İı¥¥ÊıË¤òİá¤¹  
0231 +. DC 01-22 DHU_MODE_CHNG  
0232 BC   (02 0a f8)  
0233 C.                                CC[HK1_PKT_FORM_NO]        EQ      2  
0234 C.                                CC[HK1_PKT_GEN_TIME]       EQ      0.5S  
0235 C.                                CC[HK1_S_TLM_BIT_RATE]    EQ      32K  
0236 C.                                CC[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 2017-12-30 11:18:30.0  
0245 DC 07-FC EIS_MODE_MANU  
0246 BC   (21 02)  
0247 +. TI 2017-12-30 11:18:40.0  
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. SOT TI command set  
0256 C. *****  
0257 C. Execute, after the success of OP upload.  
0258 +. TI 2017-12-30 11:18:16.0  
0259 DC 07-F0 MDP_SOT_MODE_STBY  
0260 BC   (41)  
0261 C. -----  
0262 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]  
0263 C. -----  
0264 C. ***** SOT END *****  
0265 C.  
0266 C. ***** XRT START *****  
0267 C. Execute, after the success of OP upload.  
0268 +. TI 2017-12-30 11:18:00.0  
0269 DC 07-F0 MDP_XRT_MODE_STBY  
0270 BC   (c3)  
0271 C.                                [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP  
0272 C.  
0273 C. ***** XRT END *****  
0274 C.  
0275 C. ***** MDP ´ÜÃİ¤İ»Ö¼Y¤ĖÂ¤¤¹¤ēDCBC•×²è *****  
0276 C. (%ã°İ¥0¥Ã¥Ė¤¥Ė¥ã¥C¥ē¤Ė¼¤¤¤¥Å»Ü¤¹¤ē)  
0277 S. DC-BC dcbc-402:DCBC  
0278 (MDP_known_event)  
0279 C.  
0280 C.  
0281 C. ***** ¥Ð¥¹•İ Daily±çİÑ¤Ė´Ø¤¹¤ēDCBC•×²è *****  
0282 S. DC-BC dcbc-153:DCBC  
0283 (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0284 C.  
0285 C.  
0286 C. įăLOS¥Á¥S¥Ã¥¼Å»Üįă  
0287 C.  
0288 C. ***** LOS *****  
0289 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-084 2017-12-30 12:11:35 140 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. iãAOS¥Á¥S¥Ã¥¼Å»Üjã
0005 C.
0006 C. ¥À¥Bj¼¥³¥D¥Ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. ĀiĒ□¿□A□•μ°£»İ×AÇ□İ¥Ç¥A¥×¥İj¼¥ÉjĒĒē½μ•īĒjĒēĒ¼°ÇÖ□•□¿¼i¹Ç□İjÇÀ®, ū□¹□ē□□□ÇÁ÷¿®□•□Ē□□□³□Ēj£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 +. DC 07-F0 MDP_XRT_CTRL_MANU
0020 BC (c1)
0021 +. DC 07-F0 MDP_XRT_MODE_STBY
0022 BC (c3)
0023 . C. ----- Success Verify ? OK / NG____
0024 C.
0025 C. XRT Obs. Table Upload
0026 . S. RAM ram-291:MDP_OBS_X
0027 ( )
0028 C.
0029 +. DC 07-F0 MDP_DUMP_XRTTBL
0030 BC (84 07 00 00 00 3a d4)
0031 . C. ----- Comparison Check ? OK / ERR ____
0032 C.
0033 C.
0034 +. DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 01 b1 b1 04 04)
0036 +. DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 02 b1 b1 08 08)
0038 +. DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 03 b1 b1 08 08)
0040 +. DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 04 b1 b1 06 06)
0042 +. DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 05 85 83 06 06)
0044 +. DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 06 80 80 20 20)
0046 +. DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 07 80 80 08 08)
0048 +. DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 08 85 83 06 06)
0050 +. DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 09 80 80 20 08)
0052 +. DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0a 80 80 08 20)
0054 +. DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0b c0 c0 10 10)
0056 +. DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0c 40 c0 10 10)
0058 +. DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0d 40 40 10 10)
0060 +. DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 0e c0 40 10 10)
0062 +. DC 07-F0 MDP_XRT_ROI_SET
0063 BC (cd 0f 80 80 06 06)
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 10 80 80 08 08)
0066 +. DC 07-F0 MDP_XRT_FLD_ENA
0067 BC (d8)
0068 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0069 BC (c8)
0070 +. DC 07-F0 MDP_XRT_ARS_DIS
0071 BC (d5)
0072 +. DC 07-F0 MDP_XRT_AEC_RESET
0073 BC (d0)
0074 +. DC 07-F0 MDP_XRT_FLD_RESET
0075 BC (da)
0076 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0077 BC (c4 04)
0078 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0079 BC (c5 0d)
0080 . C. ----- Success Verify ? OK / NG ____
0081 C.
0082 C.
0083 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0084 C.
0085 +. DC 07-F0 MDP_XRT_MODE_OBSV
0086 BC (c2)
0087 +. TI 2017-12-30 11:18:02.0
0088 DC 07-F0 MDP_XRT_MODE_OBSV
0089 BC (c2)
0090 . C. ----- Success Verify ? OK / NG ____
0091 C.
0092 C. ***** XRT END *****
0093 . C. *****
0094 C. SOT table upload
0095 C. *****
```

```
0096 . C. < Stop SP table >
0097 +. DC 07-F0 MDP_SP_CTRL_MANU
0098 BC (61)
0099 C. -----
0100 C. MDP_SP_CTRL_MODE = MANU [ ]
0101 C. -----
0102 C.
0103 . C. <Upload SP Observation Table>
0104 . S. RAM ram-284:MDP_OBS_S
0105 ( )
0106 C.
0107 . C. < Dump RAMID=MDP_OBS_S >
0108 +. DC 07-F0 MDP_DUMP_SPTBL
0109 BC (83 07 00 00 00 38 b8)
0110 C. -----
0111 C. MDP_OBS_S verify = OK/NG [ ]
0112 C. -----
0113 C.
0114 C. *****
0115 C. SOT TI command set
0116 C. *****
0117 C. Execute, after the success of TBL upload.
0118 +. TI 2017-12-30 11:18:18.0
0119 DC 07-F0 MDP_SOT_MODE_OBSV
0120 BC (40)
0121 . C. -----
0122 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0123 C. -----
0124 C.
0125 C.
0126 . C. ***** MDP ´ûÃÎ±Î»ö%Ý±ÊÂð±±±èDCBC•×²è *****
0127 C. (%â°î¥Ô¥Ã¥Ê¥P¥Ê¥â¥C¥è±½¼±¼Ã»Û±±è)
0128 . S. DC-BC dcbc-402:DCBC
0129 (MDP_known_event)
0130 C.
0131 C.
0132 . C. ***** ¥Ð¥¹•İ Daily±¿İÑ±Ê´Ø±±èDCBC•×²è *****
0133 . S. DC-BC dcbc-153:DCBC
0134 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0135 C.
0136 C.
0137 . C. ¡ãLOS¥Á¥S¥Ã¥¬¼Ã»Û¡ä
0138 C.
0139 . C. ***** LOS *****
0140 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-085 2017-12-30 12:11:35 29 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ¡ãAOS¥Á¥S¥Ã¥¼Å»Ü¡ä
0005 C.
0006 C. ¥À¥B¡¼¥³¥P¥Ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Å¡¡Ë¿¿Å¤•µ°£»Î×AÇ¤Î¥¢¥Á¥×¥¡¡¼¥É¡ËËè½µ•îîË¡Ë¤Ë¼°ÇÔ¤•¤¿¼¹¿¤Î¡ÇÀ®, ù¤¹¤è¤¤¤ÇÁ÷¿®¤•¤Ë¤¤¤³¤Ë¡£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 . C. ***** MDP ´ÛÃÎ¤Î»Ô¼Ý¤ËÂ¤¤¹¤èDCBC•×²è *****
0016 C. (%ã°Î¥Ô¥Á¥Ë¥P¥Ë¥ã¥¢¥è¤Ë½¼¤¤¼Å»Ü¤¹¤è)
0017 . S. DC-BC dcbc-402:DCBC
0018 (MDP_known_event)
0019 C.
0020 C.
0021 . C. ***** ¥Ð¥¹•Î Daily±¿ÎÑ¤Ë´Ø¤¹¤èDCBC•×²è *****
0022 . S. DC-BC dcbc-153:DCBC
0023 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0024 C.
0025 C.
0026 . C. ¡ãLOS¥Á¥S¥Ã¥¼Å»Ü¡ä
0027 C.
0028 . C. ***** LOS *****
0029 C.
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*** OP Sequence for XRT ***

2017/12/30	11:28:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	11:28:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	11:28:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2017/12/30	11:29:00.0	AOCS_Ore-point_Start_1_OG [0x097]		
		AOCU_NM	5	02-76 00 e7 75 b0 e6
2017/12/30	11:29:18.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8
2017/12/30	11:29:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8
2017/12/30	11:29:22.0	XRT_AEC_RESET_448_OG [0x1c0]		
		MDP_XRT_AEC_RESET	1	07-F0 d0
2017/12/30	11:29:24.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2017/12/30	11:29:26.0	XRT_FLD_RESET_433_OG [0x1b1]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2017/12/30	11:31:56.0	XRT_QT_PROG_SET_413_OG [0x19d]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 03
2017/12/30	11:31:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0d
2017/12/30	11:32:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2017/12/30	14:44:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	14:44:32.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2017/12/30	14:44:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2017/12/30	14:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2017/12/30	14:53:30.0	XRT_Custom_430_OG [0x1ae]		
2017/12/30	14:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2017/12/30	16:18:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	16:18:32.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2017/12/30	16:18:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2017/12/30	16:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2017/12/30	16:42:00.0	XRT_Custom_430_OG [0x1ae]		
2017/12/30	16:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2017/12/30	17:55:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	17:55:02.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2017/12/30	17:55:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2017/12/30	17:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2017/12/30	18:18:24.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	18:18:26.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	18:18:28.0	XRT_FOCUS_POSITION_403_OG [0x193]		
		XRT_FOCUS_POSITION	4	07-F8 22 ff aa 00
2017/12/30	18:18:30.0	AOCS_Ore-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00
2017/12/30	18:18:48.0	XRT_FLD_DIS_425_OG [0x1a9]		
		MDP_XRT_FLD_DIS	1	07-F0 d9
2017/12/30	18:21:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]		
		MDP_XRT_FLRCTRL_DIS	1	07-F0 c9
2017/12/30	18:21:26.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2017/12/30	18:21:28.0	XRT_QT_PROG_SET_434_OG [0x1b2]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 12
2017/12/30	18:21:30.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2017/12/30	18:28:24.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	18:28:26.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2017/12/30	18:28:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2017/12/30	18:28:30.0	AOCS_Ore-point_Start_1_OG [0x097]		
		AOCU_NM	5	02-76 00 e7 75 b0 e6
2017/12/30	18:28:48.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8
2017/12/30	18:28:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8
2017/12/30	18:28:52.0	XRT_AEC_RESET_448_OG [0x1c0]		
		MDP_XRT_AEC_RESET	1	07-F0 d0
2017/12/30	18:28:54.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2017/12/30	18:28:56.0	XRT_FLD_RESET_433_OG [0x1b1]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2017/12/30	18:31:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]		

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2017/12/30	18:31:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07
2017/12/30	18:31:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2017/12/30	19:32:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/30	19:32:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/30	19:32:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/30	19:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/30	19:55:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/30	19:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/30	21:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/30	21:09:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/30	21:09:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/30	21:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/30	21:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/30	21:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/30	22:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/30	22:46:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/30	22:46:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/30	22:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/30	23:07:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/30	23:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/31	00:24:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/31	00:24:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	00:24:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/31	00:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/31	00:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/31	00:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/31	01:48:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/31	01:48:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	01:48:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/31	01:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/31	02:06:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/31	02:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/31	03:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/31	03:22:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	03:22:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/31	03:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/31	03:43:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/31	03:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/31	04:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/31	04:52:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	04:52:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2017/12/31	04:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2017/12/31	05:20:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2017/12/31	05:21:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]					
2017/12/31	06:02:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2017/12/31	06:02:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	06:02:58.0	XRT_FOCUS_RECALIBRATE_416_OG [0x1a0]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2017/12/31	06:03:00.0	AOCs_Or-point_Start_2_OG [0x098]	XRT_FOCUS_RECAL	2	07-F8	78	00
2017/12/31	06:06:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	AOCU_NM	5	02-76	00	00 00 00 00
2017/12/31	06:07:18.0	XRT_FLD_DIS_441_OG [0x1b9]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00

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2017/12/31	06:07:20.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
2017/12/31	06:07:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2017/12/31	06:07:24.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2017/12/31	06:07:26.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2017/12/31	06:13:00.0	AOCS_ORe-point_Start_3_OG [0x099]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2017/12/31	06:15:00.0	XRT_CTRL_MANU_431_OG [0x1af]	AOCU_NM	5	02-76	01 00 00 00 00
2017/12/31	06:15:30.0	XRT_TCIB_XRT_S_HTR_A_ENA_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/01	10:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	TCIB_XRT_S_HTR_A_ENA	0	04-BC	
2018/01/01	15:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	03 00 00 00 00
2018/01/03	06:15:00.0	XRT_TCIB_XRT_S_HTR_A_DIS_406_OG [0x196]	AOCU_NM	5	02-76	01 00 00 00 00
2018/01/03	12:14:54.0	XRT_CTRL_MANU_402_OG [0x192]	TCIB_XRT_S_HTR_A_DIS	0	04-C0	
2018/01/03	12:14:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:14:58.0	XRT_FOCUS_POSITION_447_OG [0x1bf]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:15:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/01/03	12:15:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 2e f9 2e f9
2018/01/03	12:15:20.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/01/03	12:17:56.0	XRT_ARS_DIS_445_OG [0x1bd]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/01/03	12:17:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/01/03	12:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 01
2018/01/03	12:24:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/01/03	12:24:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:24:58.0	XRT_FOCUS_POSITION_447_OG [0x1bf]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:25:00.0	AOCS_ORe-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/01/03	12:25:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 2e f9 d1 07
2018/01/03	12:25:20.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/01/03	12:27:56.0	XRT_ARS_DIS_445_OG [0x1bd]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/01/03	12:27:58.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/01/03	12:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10
2018/01/03	12:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/01/03	12:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:34:58.0	XRT_FOCUS_POSITION_447_OG [0x1bf]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:35:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/01/03	12:35:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 d1 07 d1 07
2018/01/03	12:35:20.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/01/03	12:37:56.0	XRT_ARS_DIS_445_OG [0x1bd]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/01/03	12:37:58.0	XRT_QT_PROG_SET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/01/03	12:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2018/01/03	12:44:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/01/03	12:44:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:44:58.0	XRT_FOCUS_POSITION_447_OG [0x1bf]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/01/03	12:45:00.0	AOCS_ORe-point_Start_8_OG [0x09e]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/01/03	12:45:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 d1 07 2e f9
2018/01/03	12:45:20.0	XRT_FLRCTRL_DIS_418_OG [0x1a2]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/01/03	12:47:56.0	XRT_ARS_DIS_445_OG [0x1bd]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/01/03	12:47:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/01/03	12:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09
			MDP_XRT_CTRL_AUTO	1	07-F0	c0

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2018/01/03	12:54:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	12:54:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	12:54:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2018/01/03	12:55:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00 00 00 00
2018/01/03	12:55:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/01/03	12:55:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/01/03	12:55:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/01/03	12:55:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/01/03	12:55:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/01/03	12:57:56.0	XRT_ROI_A_414_OG [0x19e]	MDP_XRT_ROI_SET	6	07-F0	cd	05 85 83 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	06 80 80 20 20
			MDP_XRT_ROI_SET	6	07-F0	cd	07 80 80 08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	08 85 83 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	09 80 80 20 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0a 80 80 08 20
			MDP_XRT_ROI_SET	6	07-F0	cd	0b 85 83 08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0f 80 80 06 06
2018/01/03	12:57:56.5	XRT_ROI_B_421_OG [0x1a5]	MDP_XRT_ROI_SET	6	07-F0	cd	0f 80 80 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	10 80 80 08 08
2018/01/03	12:58:01.5	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08
2018/01/03	12:58:04.5	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2018/01/03	12:58:06.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/01/03	15:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	15:25:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/01/03	15:25:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/01/03	15:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/01/03	15:38:00.0	XRT_Custom_430_OG [0x1ae]					
2018/01/03	15:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/01/03	15:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	15:46:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/01/03	15:46:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/01/03	15:47:30.0	XRT_Custom_430_OG [0x1ae]					
2018/01/03	15:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/01/03	15:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/01/03	17:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	17:00:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/01/03	17:00:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/01/03	17:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/01/03	17:24:30.0	XRT_Custom_430_OG [0x1ae]					
2018/01/03	17:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/01/03	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	17:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2018/01/03	18:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00 00 00 00
2018/01/03	18:00:18.0	XRT_FLD_DIS_425_OG [0x1a9]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/01/03	18:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/01/03	18:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/01/03	18:02:58.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2018/01/03	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/01/03	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/01/03	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00

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2018/01/03	18:10:00.0	AOCS_0Re-point_Start_3_0G [0x099]	
		AOCU_NM	5 02-76 01 00 00 00 00
2018/01/03	18:10:18.0	XRT_FLD_ENA_411_0G [0x19b]	
		MDP_XRT_FLD_ENA	1 07-F0 d8
2018/01/03	18:10:20.0	XRT_FLRCTRL_ENA_412_0G [0x19c]	
		MDP_XRT_FLRCTRL_ENA	1 07-F0 c8
2018/01/03	18:10:22.0	XRT_AEC_RESET_448_0G [0x1c0]	
		MDP_XRT_AEC_RESET	1 07-F0 d0
2018/01/03	18:10:24.0	XRT_ARS_DIS_423_0G [0x1a7]	
		MDP_XRT_ARS_DIS	1 07-F0 d5
2018/01/03	18:10:26.0	XRT_FLD_RESET_433_0G [0x1b1]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/03	18:12:56.0	XRT_QT_PROG_SET_427_0G [0x1ab]	
		MDP_XRT_QT_PROG_SET	2 07-F0 c4 0f
2018/01/03	18:12:58.0	XRT_FL_PROG_SET_440_0G [0x1b8]	
		MDP_XRT_FL_PROG_SET	2 07-F0 c5 0d
2018/01/03	18:13:00.0	XRT_CTRL_AUTO_408_0G [0x198]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/03	18:38:00.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/03	18:38:02.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/03	18:38:04.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/03	18:41:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/03	19:01:00.5	XRT_Custom_430_0G [0x1ae]	
2018/01/03	19:02:00.5	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/03	20:14:30.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/03	20:14:32.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/03	20:14:34.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/03	20:17:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/03	20:38:00.0	XRT_Custom_430_0G [0x1ae]	
2018/01/03	20:39:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/03	21:52:00.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/03	21:52:02.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/03	21:52:04.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/03	21:55:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/03	22:14:30.0	XRT_Custom_430_0G [0x1ae]	
2018/01/03	22:15:30.0	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/03	23:29:30.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/03	23:29:32.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/03	23:29:34.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/03	23:32:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/03	23:46:00.0	XRT_Custom_430_0G [0x1ae]	
2018/01/03	23:47:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/04	01:04:00.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/04	01:04:02.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/04	01:04:04.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/04	01:07:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/04	01:13:00.0	XRT_Custom_430_0G [0x1ae]	
2018/01/04	01:14:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/04	02:29:00.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/04	02:29:02.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/04	02:29:04.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/04	02:32:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/04	02:49:00.0	XRT_Custom_430_0G [0x1ae]	
2018/01/04	02:50:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	
		MDP_XRT_CTRL_AUTO	1 07-F0 c0
2018/01/04	03:58:30.0	XRT_CTRL_MANU_400_0G [0x190]	
		MDP_XRT_CTRL_MANU	1 07-F0 c1
2018/01/04	03:58:32.0	XRT_FLD_RESET_415_0G [0x19f]	
		MDP_XRT_FLD_RESET	1 07-F0 da
2018/01/04	03:58:34.0	XRT_PREFLR_STRT_422_0G [0x1a6]	
		MDP_XRT_PREFLR_STRT	1 07-F0 e8
2018/01/04	04:01:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	
		MDP_XRT_PREFLR_STOP	1 07-F0 e9
2018/01/04	04:26:00.0	XRT_Custom_430_0G [0x1ae]	

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2018/01/04	04:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	05:36:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	05:36:02.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2018/01/04	05:36:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2018/01/04	05:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2018/01/04	06:03:30.0	XRT_Custom_430_OG [0x1ae]		
2018/01/04	06:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	06:12:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	06:12:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	06:12:58.0	XRT_FOCUS_POSITION_403_OG [0x193]		
		XRT_FOCUS_POSITION	4	07-F8 22 ff aa 00
2018/01/04	06:13:00.0	AOCS_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00
2018/01/04	06:13:18.0	XRT_FLD_DIS_425_OG [0x1a9]		
		MDP_XRT_FLD_DIS	1	07-F0 d9
2018/01/04	06:15:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]		
		MDP_XRT_FLRCTRL_DIS	1	07-F0 c9
2018/01/04	06:15:56.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2018/01/04	06:15:58.0	XRT_QT_PROG_SET_436_OG [0x1b4]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 11
2018/01/04	06:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	06:22:54.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	06:22:56.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	06:22:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2018/01/04	06:23:00.0	AOCS_ORe-point_Start_3_OG [0x099]		
		AOCU_NM	5	02-76 01 00 00 00 00
2018/01/04	06:23:18.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8
2018/01/04	06:23:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8
2018/01/04	06:23:22.0	XRT_AEC_RESET_448_OG [0x1c0]		
		MDP_XRT_AEC_RESET	1	07-F0 d0
2018/01/04	06:23:24.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2018/01/04	06:23:26.0	XRT_FLD_RESET_433_OG [0x1b1]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2018/01/04	06:25:56.0	XRT_QT_PROG_SET_427_OG [0x1ab]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 0f
2018/01/04	06:25:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0d
2018/01/04	06:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	07:16:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	07:16:32.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2018/01/04	07:16:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2018/01/04	07:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2018/01/04	07:40:30.0	XRT_Custom_430_OG [0x1ae]		
2018/01/04	07:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	08:56:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	08:56:02.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2018/01/04	08:56:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2018/01/04	08:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2018/01/04	09:17:00.0	XRT_Custom_430_OG [0x1ae]		
2018/01/04	09:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	10:37:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	10:37:32.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2018/01/04	10:37:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2018/01/04	10:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2018/01/04	10:48:00.0	XRT_Custom_430_OG [0x1ae]		
2018/01/04	10:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2018/01/04	11:20:20.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2018/01/04	11:41:00.0	AOCS_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00