

XRT Timeline to be uploaded on 2018/11/13

Period: 2018/11/13 10:15:00 - 2018/11/17 11:29:00

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Normal mode

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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					
11/14 12:18:00 - 11/14 12:24:54	Fixed (-528.4, -528.4)						XRT post bakeout quadrant 1/4					
PROG= 15 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					
11/14 12:28:00 - 11/14 12:34:54	Fixed (528.4, -528.4)						2/4					
PROG= 19 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					
11/14 12:38:00 - 11/14 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					
11/14 12:48:00 - 11/14 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 #1B94: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 180s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
11/14 13:02:00 - 11/14 18:04:24	Track (331.3, 5.8) @ 11/14 12:55:00	BP observation
11/15 05:47:30 - 11/15 09:21:00	Track (473.2, 10.6) @ 11/15 05:44:30	# BP observation

PROG= 08 Inf.-time(s)

Subr= 1	1-time(s)	2.0sec											
Seqn= 30	1-time(s)	2.0sec											
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512	(1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512	(1024, 1024)	Q=95	0	0	2.0sec
Subr= 2	20-time(s)	180.0sec											
Seqn= 8	1-time(s)	2.0sec											
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2	0	2.0sec
Seqn= 6	1-time(s)	2.0sec											
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048	(1024, 1024)	DPCM	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval		

XOB #1C0C: 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
11/14 18:07:30 - 11/14 18:14:24	Fixed (0.0, 0.0)	synoptic, shifted 4.5 min

PROG= 20 1-time(s)

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

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

Term	Pointing (x, y)	Comment
11/14 18:17:30 - 11/15 02:34:54	Track (377.4, 7.2) @ 11/14 18:14:30	# Cont,

PROG= 14 Inf.-time(s)

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

XOB #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 cad)

Term	Pointing (x, y)	Comment
11/15 02:38:00 - 11/15 05:34:24	Fixed (0.0, 0.0)	HOP349

PROG= 04 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 #1C13: Synoptic 7 Filter w/ Al-mesh(512/2048/4096), Al-poly(512/4096/8192), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/23142)

Term	Pointing (x, y)	Comment
11/15 05:37:30 - 11/15 05:44:24	Fixed (0.0, 0.0)	synoptic, shifted -25.5 min

PROG= 10 1-time(s)

Subr= 1 1-time(s) 2.0sec													
Seqn= 5 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
Seqn= 12 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 82 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 52 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 23 1-time(s) 4.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec													
Seqn= 46 1-time(s) 2.0sec													
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 17 1-time(s) 2.0sec													
	med-Al/Open	med-Al/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	med-Al/Open	med-Al/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 97 1-time(s) 2.0sec													
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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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
11/14 13:02:00 - 11/14 18:04:24	Track (331.3, 5.8) @ 11/14 12:55:00	BP observation
11/14 18:17:30 - 11/15 02:34:54	Track (377.4, 7.2) @ 11/14 18:14:30	# Cont,
11/15 02:38:00 - 11/15 05:34:24	Fixed (0.0, 0.0)	HOP349
11/15 05:47:30 - 11/15 09:21:00	Track (473.2, 10.6) @ 11/15 05:44:30	# BP observation

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													

Subr= 2	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
	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

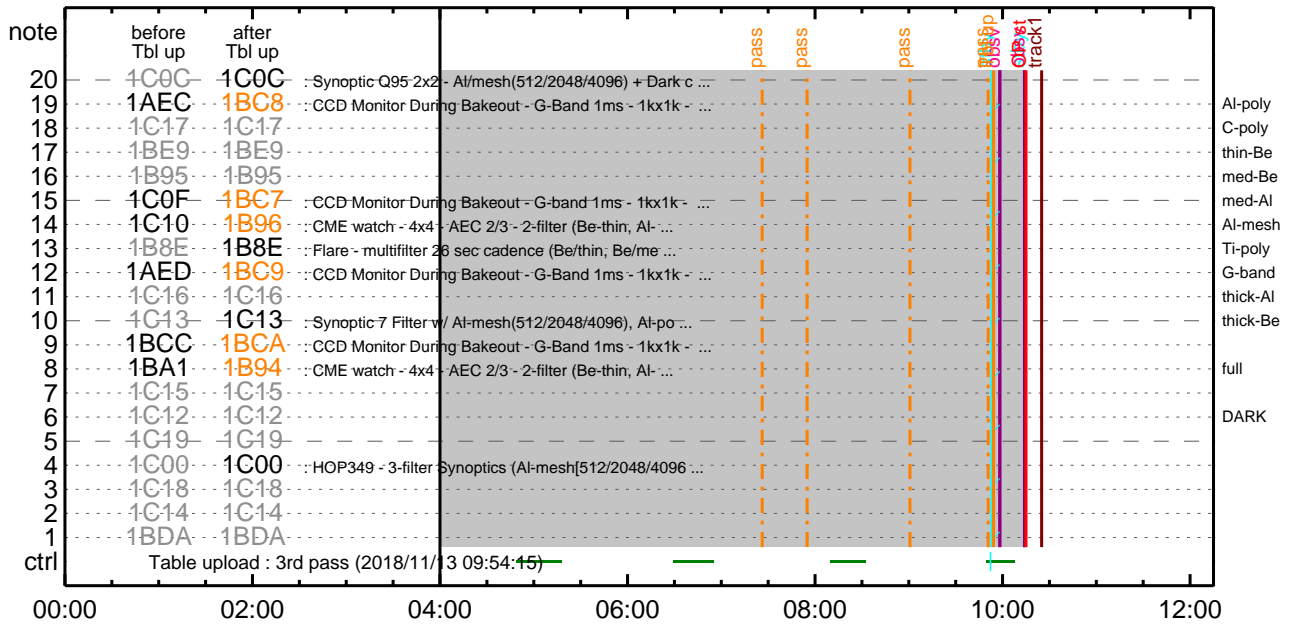
* * * * *

Flare Detection

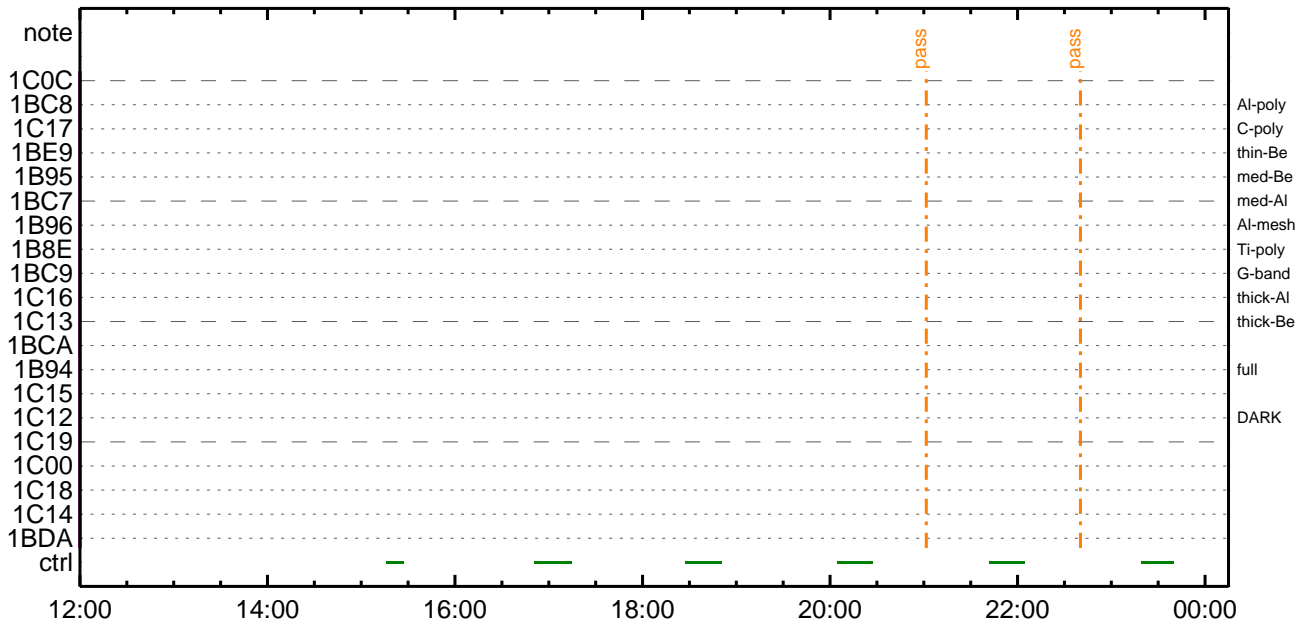
* * * * *

FLD Patrol												
Term	Pointing (x, y)					Comment						
11/14 12:59:18 - 11/14 18:04:48	Track (	331.3,	5.8)	@ 11/14 12:55:00	BP observation							
11/14 18:14:48 - 11/15 05:34:48	Track (	377.4,	7.2)	@ 11/14 18:14:30	# Cont,							
11/15 05:44:48 - 11/17 11:29:00	Track (	473.2,	10.6)	@ 11/15 05:44:30	# BP observation							
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	

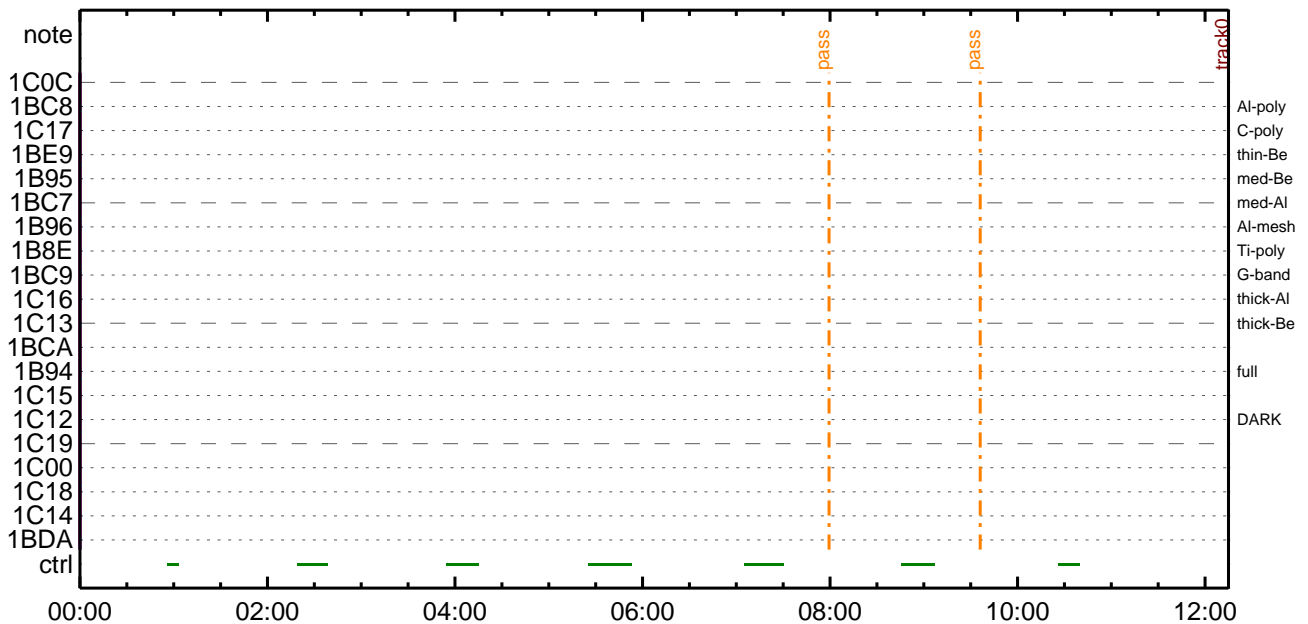
CMDI #0890 2018/11/13



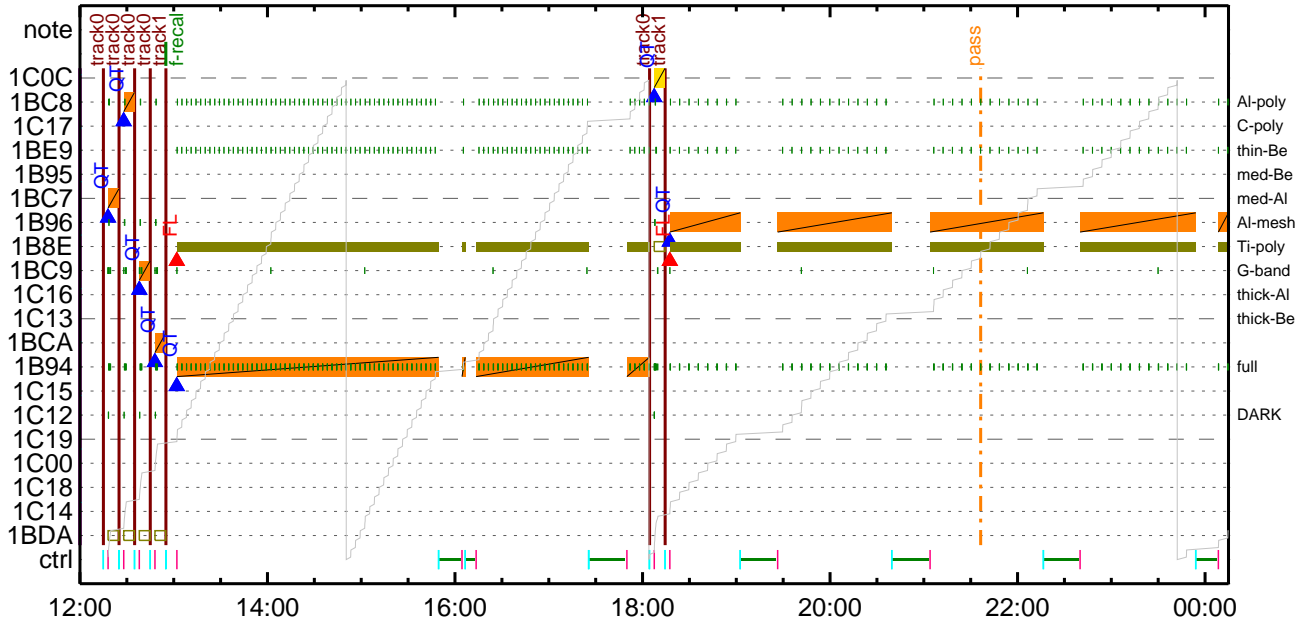
CMDI #0890 2018/11/13



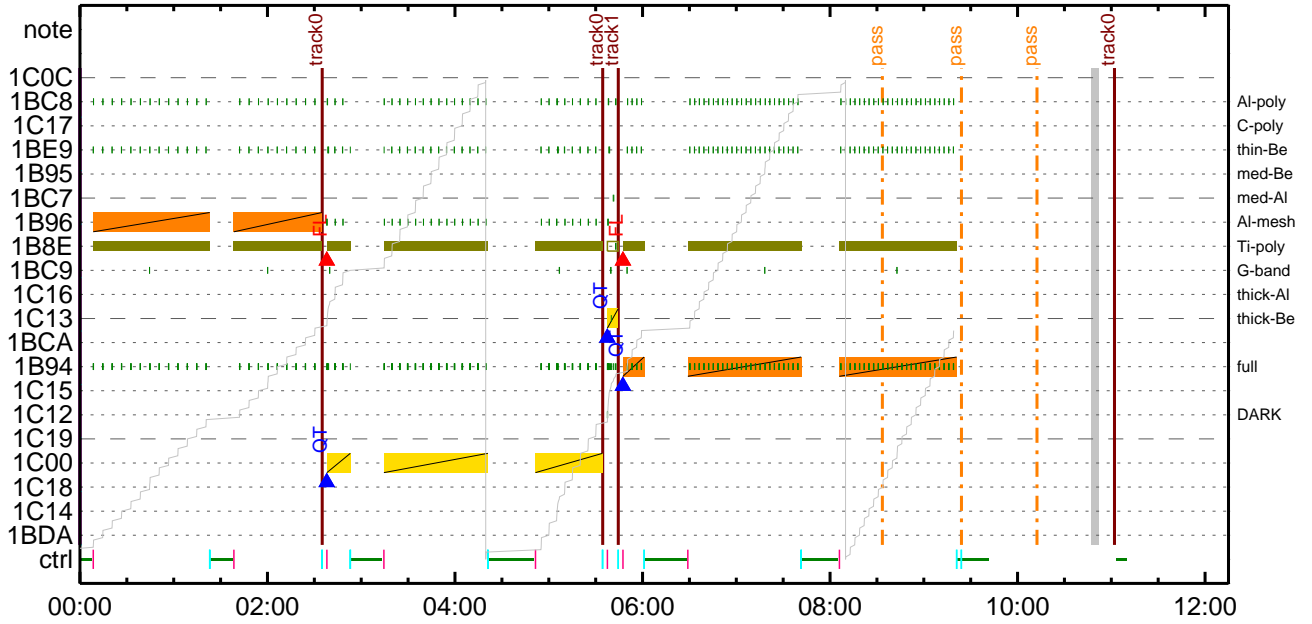
CMDI #0890 2018/11/14



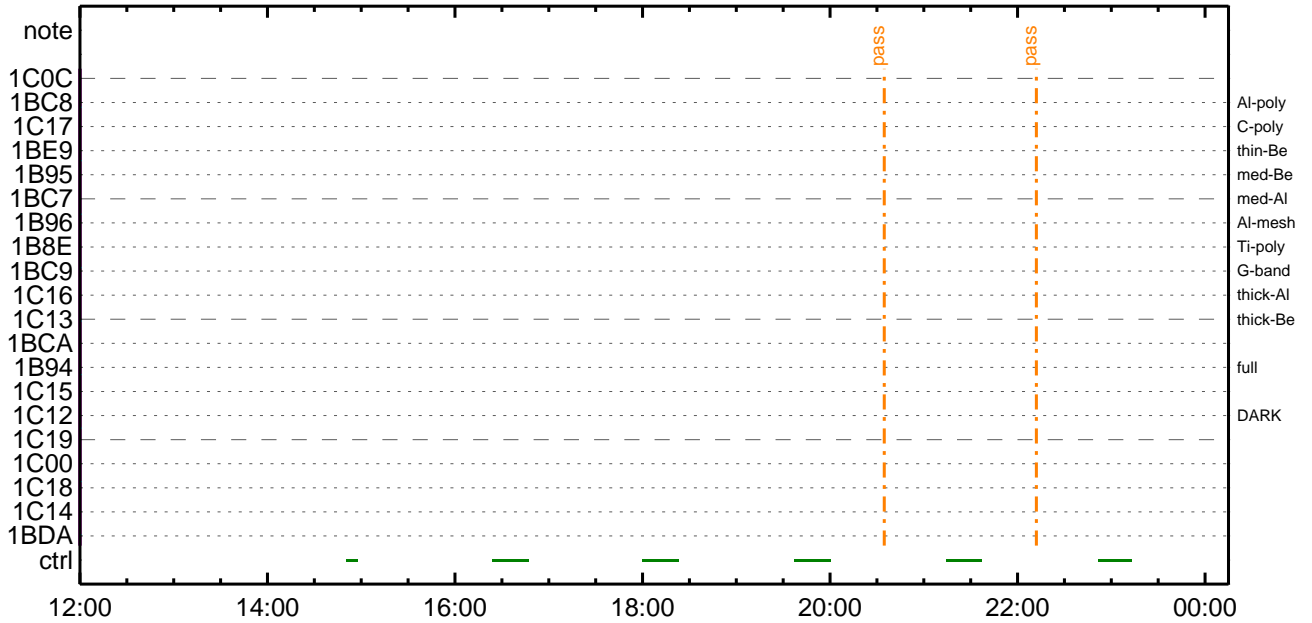
CMDI #0890 2018/11/14



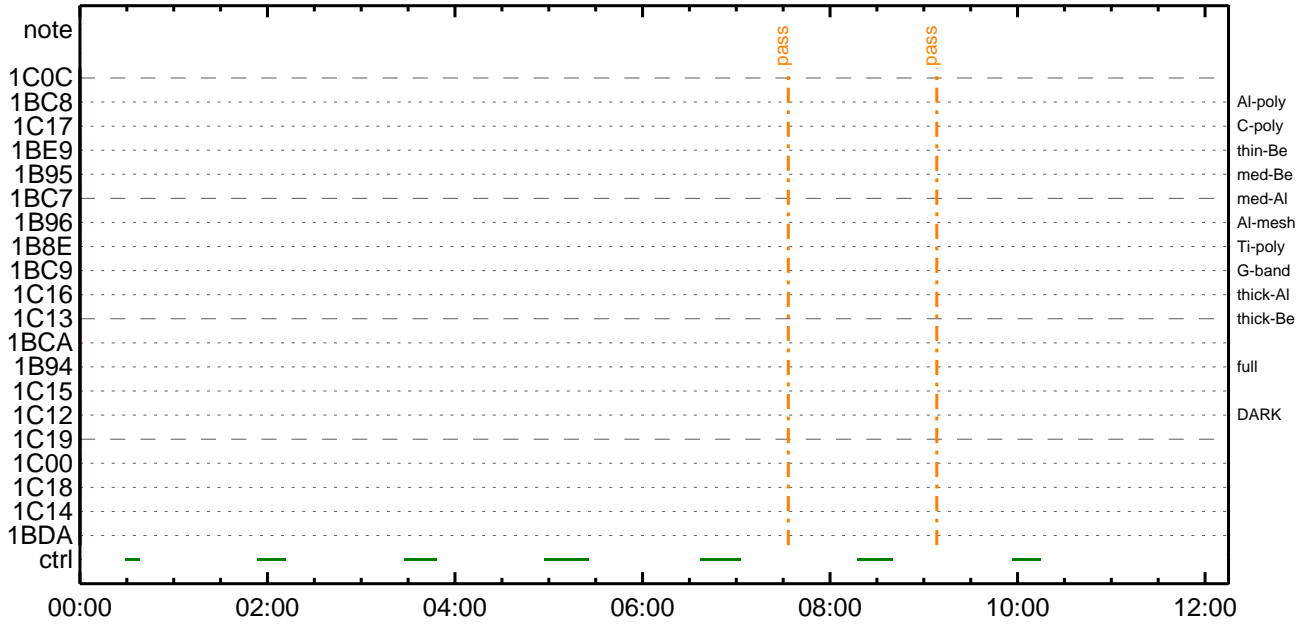
CMDI #0890 2018/11/15



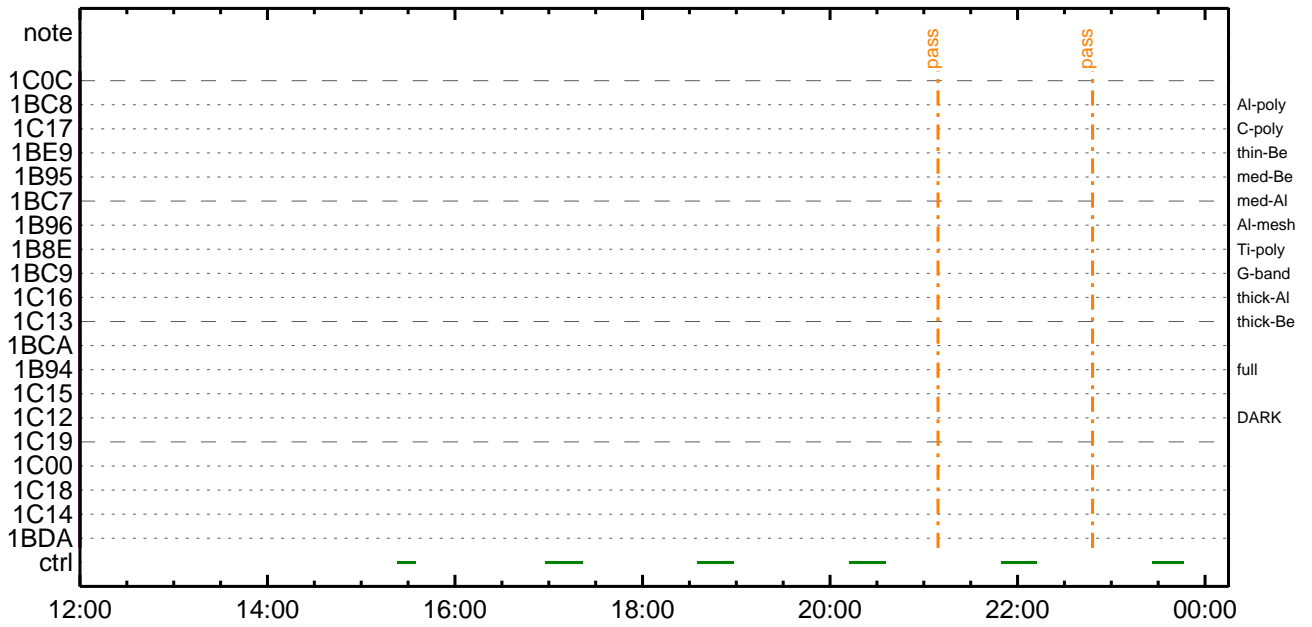
CMDI #0890 2018/11/15



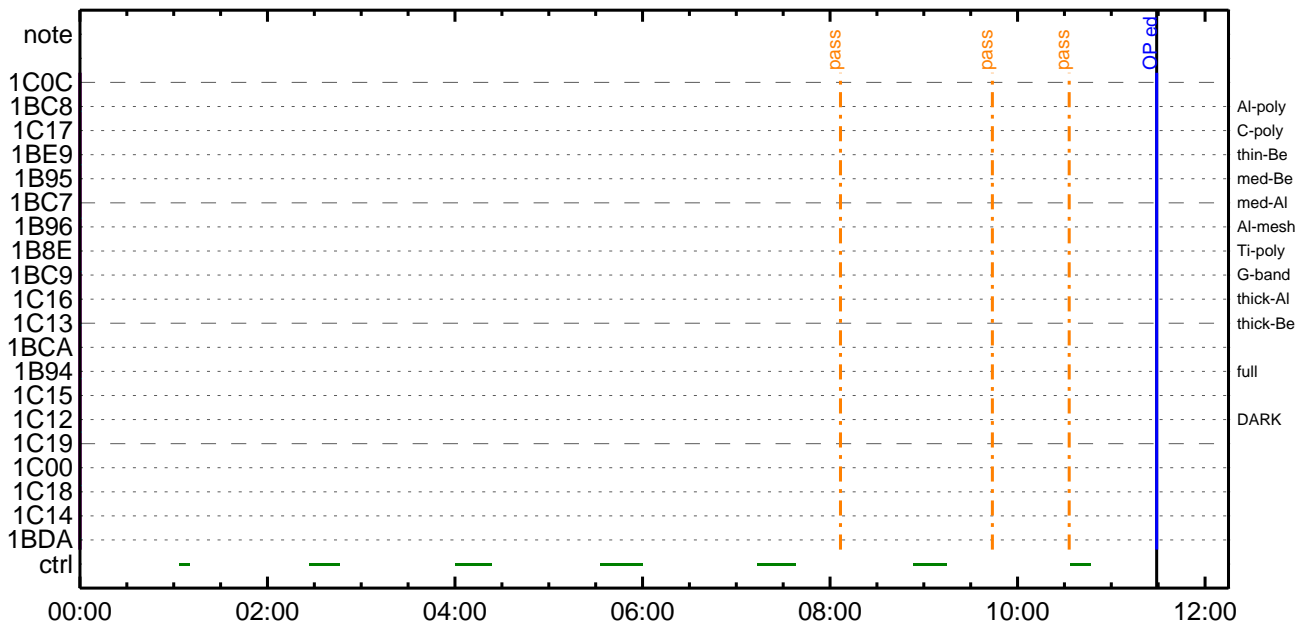
CMDI #0890 2018/11/16



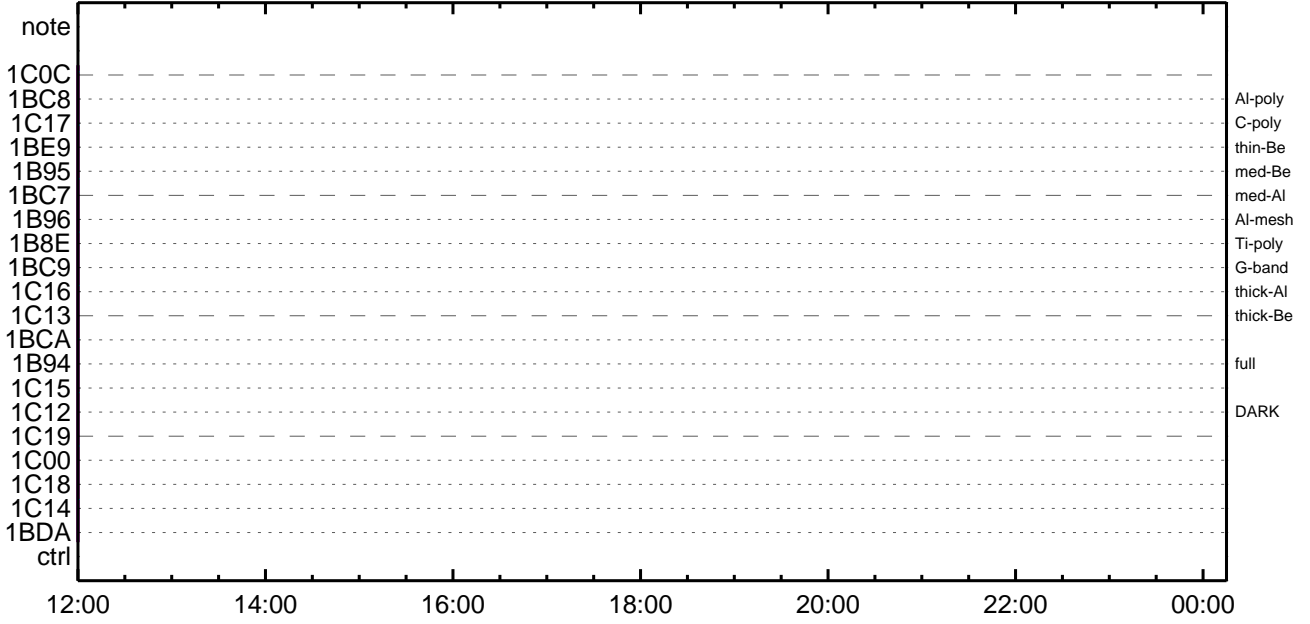
CMDI #0890 2018/11/16



CMDI #0890 2018/11/17



CMDI #0890 2018/11/17




```
0096 C.                0B0Z;ÇSET0EDUMP0IÆ±°iYÑY¹0Ç¹Ô0|0³0E;£
0097 C.
0098 . C. TIY³YFYYÖYÉ00ðÄDİ¿(UT)
0099 +. TI 2018-11-13 10:10:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0102 C.
0103 +. TI 2018-11-13 10:10:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0106 C.
0107 +. TI 2018-11-13 10:10:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0110 C.
0111 +. TI 2018-11-13 10:14:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ      1COUNTUP
0114 C.
0115 C.                °Ê²¼0IÄê%îÍÑ0IYÁY§YÁY-¹àìÜ
0116 C.                ÇÇ[HK1_TI_CMD_ENA/DIS]              EQ      ENA
0117 C.                ÇÇ[HK1_TI_CMD_NUM]                EQ      4
0118 C.                ÇÇ[HK1_NEXT_EXEC_PIM]              EQ      DHU
0119 C.                ÇÇ[HK1_NEXT_EXEC_DC]              EQ      0xB3
0120 C.
0121 . C. *****
0122 C. TIÎÎ°èYÁYÖY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC                (03 ab 03 01 02)
0128 C.                ÇÇ[HK1_DMP_TOP_ADRS_1]              EQ      07
0129 C.                ÇÇ[HK1_DMP_TOP_ADRS_0]              EQ      2B
0130 C.                ÇÇ[HK1_DMP_BLOCK_NUM]              EQ      3
0131 C.                ÇÇ[HK1_DMP_REPEAT_NUM]             EQ      0
0132 C.                ÇÇ[HK1_DMA_DMP_PIM]               EQ      DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC                (07 0b f8)
0135 C.                ÇÇ[HK1_PKT_FORM_NO]                EQ      7
0136 C.                ÇÇ[HK1_PKT_GEN_TIME]               EQ      0.25 s
0137 C.                ÇÇ[HK1_S_TLM_BIT_RATE]             EQ      32k
0138 C.                ÇÇ[HK1_X_TLM_BIT_RATE]            EQ      4M
0139 C.                ÇÇ[HK1_DMP_CHK_FLG]               EQ      EXEC
0140 C.
0141 . C. YÁYÖY×½ªI»0ð³IÇ§
0142 C.                ÇÇ[HK1_DMP_CHK_FLG]               EQ      NON
0143 C.
0144 . C. RAM ID=TI_TBL0I%Ê¹Ç•ê²ÌOK0ð³IÇ§
0145 C.
0146 . C. DHUYâ;¼YÉ;Ê¼Y½.Yì;¼YÈ;Ë0ðÌá0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC                (02 0a f8)
0149 C.                ÇÇ[HK1_PKT_FORM_NO]                EQ      2
0150 C.                ÇÇ[HK1_PKT_GEN_TIME]               EQ      0.5S
0151 C.                ÇÇ[HK1_S_TLM_BIT_RATE]             EQ      32K
0152 C.                ÇÇ[HK1_X_TLM_BIT_RATE]            EQ      4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2018-11-13 10:14:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC                (41)
0161 . C. -----
0162 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0163 C. -----
0164 C. ***** SOT END *****
0165 C.
0166 C. ***** XRT START *****
0167 C. Execute, after the success of OP upload.
0168 +. TI 2018-11-13 10:14:00.0
0169 DC 07-F0 MDP_XRT_MODE_STBY
0170 BC                (c3)
0171 . C.                [ ] [HK1_TI_CMD_NUM]            EQ      1COUNTUP
0172 C.
0173 C. ***** XRT END *****
0174 . C. Stop EIS observation and temporarily disable EIS mode changes
0175 C.
0176 C.
0177 C. ***** Start EIS operation (TI set) *****
0178 C. Execute, after the success of OP upload.
0179 C. Set EIS TI-commands
0180 +. TI 2018-11-13 10:14:30.0
0181 DC 07-FC EIS_MODE_MANU
0182 BC                (21 02)
0183 +. TI 2018-11-13 10:14:40.0
0184 DC 07-FC EIS_MODE_CHG_DIS
0185 BC                (22)
0186 . C.                [ ] [HK1_TI_CMD_NUM]            EQ      2 COUNTUP
0187 C. ***** End EIS operation (TI set) *****
0188 C.
0189 C.
0190 C.
0191 . C. ***** MDP `üÃî0I»0¼Y0ËÄ00¹0èDCBC•×²è *****
0192 C. (%â°iYÖYÁYÉYFYYÉYÁYÇYè0E¾¼00¼Ä»Ü0¹0é)
0193 . S. DC-BC dcbc-402:DCBC
```

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



```

0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 +. DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 5286058.9 +- 1.0 (s) [ ]
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. Verify EIS_MODE_CHG_FLG is ENA
0142 +. DC 07-FC EIS_MODE_MANU
0143 BC (21 02)
0144 . C. Verify EIS in MANUAL mode
0145 . C. Estimated OBSTBL upload time is 11s
0146 C. *****
0147 C. EIS START OBSTBL LOAD
0148 C. *****
0149 . S. RAM ram-820:EIS_OBSTBL
0150 ( )
0151 +. DC 07-FC EIS_DUMP_OBSTBL
0152 BC (07 07 07 00 00 70 00)
0153 C.
0154 C. Execute, after the success of OBSTBL upload.
0155 C. Set EIS TI-commands
0156 +. TI 2018-11-13 10:14:50.0
0157 DC 07-FC EIS_MODE_CHG_ENA
0158 BC (20)
0159 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0160 C. *****
0161 C. EIS END OBSTBL LOAD
0162 C. *****
0163 C.
0164 . C. ***** MDP 'úÃîî»ö¼ÝðËÄð¹ñèDCBC•x²è *****
0165 C. (¼á°îÝÓÝÄÝËÝÞÝËÝ¼ÝèñË¼ð¼Ä»Û¹ñè)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** ÝÐÝ¹•İ Daily±;İÑñË'Ø¹ñèDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSÝÁÝSÝÄÝ¹¼Ä»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-757 2018-11-13 12:03:58 130 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;È¿¿ãÁ•µ°È»Í×ÁÇ¿ÍYçYÁY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈÈ¼°ÇÓã•¿¿¼í¹ç¿Í;çÁ®, ù¿¹ãÈãÈãÇÁ+¿®ã•Èããã³ãÈ;f
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-281: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 2018-11-13 10:14:18.0
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_MODE_STBY
0052 BC (c3)
0053 . C. ----- Success Verify ? OK / NG_____
0054 C.
0055 C. XRT Obs. Table Upload
0056 . S. RAM ram-291:MDP_OBS_X
0057 ( )
0058 C.
0059 +. DC 07-F0 MDP_DUMP_XRTTBL
0060 BC (84 07 00 00 00 3a d4)
0061 . C. ----- Comparison Check ? OK / ERR _____
0062 C.
0063 C.
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 01 b1 b1 04 04)
0066 + DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 02 b1 b1 08 08)
0068 + DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 03 b1 b1 08 08)
0070 + DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 04 b1 b1 06 06)
0072 + DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 06 c0 c0 10 10)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 07 80 80 20 20)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 08 40 c0 10 10)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 09 40 40 10 10)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 0a c0 40 10 10)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0b 80 80 08 08)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0c 80 80 20 08)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0d 80 80 08 20)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 0f 80 80 06 06)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 10 80 80 08 08)
0092 + DC 07-F0 MDP_XRT_FLD_ENA
0093 BC (d8)
0094 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0095 BC (c8)
```

```
0096 + DC 07-F0 MDP_XRT_ARS_DIS
0097   BC      (d5)
0098 + DC 07-F0 MDP_XRT_AEC_RESET
0099   BC      (d0)
0100 + DC 07-F0 MDP_XRT_FLD_RESET
0101   BC      (da)
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 2018-11-13 10:14:02.0
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 `úÃî¸ï»ö¼ý¸ËÁÐ¸¹¸èDCBC•x²è *****
0117 . C. (%á°îÿÓÿÄÿÈÿÞÿÿËÿàÿçÿè¸É%¼¸¸Å»Û¸¹¸è)
0118 . S. DC-BC dcbc-402:DCBC
0119   (MDP_known_event)
0120 . C.
0121 . C.
0122 . C. ***** ÿÐÿ¹•Ï Daily±¿îÑ¸È´Ø¸¹¸èDCBC•x²è *****
0123 . S. DC-BC dcbc-153:DCBC
0124   (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0125 . C.
0126 . C.
0127 . C. ;ãLOSÿÁÿSÿÿÄÿ-¼Å»Û;ä
0128 . C.
0129 . C. ***** LOS *****
0130 . C.
```

Nov 13, 18 12:04

XRT_OGLIST_0890.chk

Page 1/5

*** OP Sequence for XRT ***

```

2018/11/13 10:25:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 01 03 02 01 ca
2018/11/14 06:11:00.0 XRT_TCIB_XRT_S_HTR_A_DIS_403_OG [0x193]
                        TCIB_XRT_S_HTR_A_DIS 0 04-C0
2018/11/14 12:14:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:14:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:14:58.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/11/14 12:15:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 00 2e f9 2e f9
2018/11/14 12:15:18.0 XRT_FLD_DIS_418_OG [0x1a2]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/11/14 12:15:20.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/11/14 12:17:56.0 XRT_ARS_DIS_401_OG [0x191]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/11/14 12:17:58.0 XRT_QT_PROG_SET_416_OG [0x1a0]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 0f
2018/11/14 12:18:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/11/14 12:24:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:24:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:24:58.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/11/14 12:25:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM                    5 02-76 00 2e f9 d1 07
2018/11/14 12:25:18.0 XRT_FLD_DIS_418_OG [0x1a2]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/11/14 12:25:20.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/11/14 12:27:56.0 XRT_ARS_DIS_436_OG [0x1b4]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/11/14 12:27:58.0 XRT_QT_PROG_SET_422_OG [0x1a6]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 13
2018/11/14 12:28:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/11/14 12:34:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:34:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:34:58.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/11/14 12:35:00.0 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCU_NM                    5 02-76 00 d1 07 d1 07
2018/11/14 12:35:18.0 XRT_FLD_DIS_418_OG [0x1a2]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/11/14 12:35:20.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/11/14 12:37:56.0 XRT_ARS_DIS_436_OG [0x1b4]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/11/14 12:37:58.0 XRT_QT_PROG_SET_404_OG [0x194]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 0c
2018/11/14 12:38:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/11/14 12:44:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:44:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:44:58.0 XRT_FOCUS_POSITION_427_OG [0x1ab]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/11/14 12:45:00.0 AOCs_OrE-point_Start_5_OG [0x09b]
                        AOCU_NM                    5 02-76 00 d1 07 2e f9
2018/11/14 12:45:18.0 XRT_FLD_DIS_418_OG [0x1a2]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/11/14 12:45:20.0 XRT_FLRCTRL_DIS_405_OG [0x195]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/11/14 12:47:56.0 XRT_ARS_DIS_436_OG [0x1b4]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/11/14 12:47:58.0 XRT_QT_PROG_SET_421_OG [0x1a5]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 09
2018/11/14 12:48:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/11/14 12:54:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:54:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/11/14 12:54:58.0 XRT_FOCUS_RECALIBRATE_417_OG [0x1a1]
                        XRT_FOCUS_RECAL          2 07-F8 78 00
2018/11/14 12:55:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 01 03 02 01 ca
2018/11/14 12:58:58.0 XRT_FOCUS_POSITION_406_OG [0x196]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/11/14 12:59:18.0 XRT_FLD_ENA_411_OG [0x19b]
                        MDP_XRT_FLD_ENA          1 07-F0 d8
2018/11/14 12:59:20.0 XRT_FLRCTRL_ENA_412_OG [0x19c]
                        MDP_XRT_FLRCTRL_ENA      1 07-F0 c8
2018/11/14 12:59:22.0 XRT_AEC_RESET_448_OG [0x1c0]

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Nov 13, 18 12:04

XRT_OGLIST_0890.chk

Page 2/5

2018/11/14	12:59:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0				
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/11/14	12:59:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/14	13:01:56.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	08			
2018/11/14	13:01:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/11/14	13:02:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	15:49:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	15:49:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	15:49:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/14	15:49:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/11/14	15:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/11/14	16:03:30.0	XRT_Custom_430_OG [0x1ae]								
2018/11/14	16:04:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	16:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	16:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	16:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/14	16:06:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/11/14	16:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/11/14	16:12:30.0	XRT_Custom_430_OG [0x1ae]								
2018/11/14	16:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	17:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	17:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	17:25:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/14	17:25:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/11/14	17:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/11/14	17:49:00.0	XRT_Custom_430_OG [0x1ae]								
2018/11/14	17:50:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	18:04:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	18:04:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	18:04:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/11/14	18:04:30.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	00	00	00	00
2018/11/14	18:04:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/11/14	18:04:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/11/14	18:04:52.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/11/14	18:07:28.0	XRT_QT_PROG_SET_447_OG [0x1bf]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2018/11/14	18:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	18:14:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	18:14:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/14	18:14:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2018/11/14	18:14:30.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	01	03	02	01	ca
2018/11/14	18:14:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/11/14	18:14:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/11/14	18:14:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/11/14	18:14:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/11/14	18:14:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/14	18:17:26.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0e			
2018/11/14	18:17:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/11/14	18:17:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/11/14	19:02:30.0	XRT_CTRL_MANU_400_OG [0x190]								

Nov 13, 18 12:04

XRT_OGLIST_0890.chk

Page 3/5

2018/11/14	19:02:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	19:02:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	19:02:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/14	19:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/11/14	19:25:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/11/14	19:26:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/14	20:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	20:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	20:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	20:39:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/14	20:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/11/14	21:03:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/11/14	21:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/14	22:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	22:16:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	22:16:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	22:16:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/14	22:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/11/14	22:39:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/11/14	22:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/14	23:54:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	23:54:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	23:54:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/14	23:54:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/14	23:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/11/15	00:07:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/11/15	00:08:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/15	01:23:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	01:23:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	01:23:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	01:23:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/15	01:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2018/11/15	01:37:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2018/11/15	01:38:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/15	02:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	02:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	02:34:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	02:35:00.0	AOCS_OrE-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2018/11/15	02:35:18.0	XRT_FLD_ENA_407_OG [0x197]	AOCU_NM	5	02-76	00 00 00 00 00		
2018/11/15	02:37:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2018/11/15	02:37:50.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2018/11/15	02:37:52.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2018/11/15	02:37:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2018/11/15	02:37:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_FLD_RESET	1	07-F0	da		
2018/11/15	02:37:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04		
2018/11/15	02:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d		
2018/11/15	02:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2018/11/15	02:53:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2018/11/15	02:53:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		

2018/11/15	02:53:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/11/15	02:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	03:13:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/11/15	03:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	04:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	04:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	04:21:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	04:21:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/11/15	04:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	04:50:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/11/15	04:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	05:34:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	05:34:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	05:34:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	05:34:30.0	AOCS_ORe-point_Start_6_OG [0x09c]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/11/15	05:34:48.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00	
2018/11/15	05:34:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2018/11/15	05:34:52.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2018/11/15	05:37:28.0	XRT_QT_PROG_SET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/11/15	05:37:30.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2018/11/15	05:44:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	05:44:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	05:44:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	05:44:30.0	AOCS_ORe-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2018/11/15	05:44:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 03 02 01 ca	
2018/11/15	05:44:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2018/11/15	05:44:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2018/11/15	05:44:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2018/11/15	05:44:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2018/11/15	05:47:26.0	XRT_QT_PROG_SET_431_OG [0x1af]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/11/15	05:47:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08	
2018/11/15	05:47:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d	
2018/11/15	06:01:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	06:01:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	06:01:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	06:01:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/11/15	06:04:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	06:28:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/11/15	06:29:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	07:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	07:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	07:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	07:41:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da	
2018/11/15	07:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	08:05:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2018/11/15	08:06:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2018/11/15	09:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2018/11/15	09:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2018/11/15	09:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

Nov 13, 18 12:04

XRT_OGLIST_0890.chk

Page 5/5

2018/11/15	09:21:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/11/15	09:21:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/11/15	09:24:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/15	09:24:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/11/15	09:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/11/15	11:02:00.0	AOCS_Orpoint_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00 00 00 00 00				