

# XRT Timeline to be uploaded on 2021/03/02

Period: 2021/03/02 11:21:00 - 2021/03/06 11:00:00

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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					
03/03 12:03:00 - 03/03 12:09:54		Fixed ( -528.4, -528.4)					XRT QUAD #1					
<b>PROG= 17 1-time(s)</b>												
└─ 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					
03/03 12:13:00 - 03/03 12:19:54		Fixed ( 528.4, -528.4)					XRT QUAD #2					
<b>PROG= 10 1-time(s)</b>												
└─ 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					
03/03 12:23:00 - 03/03 12:29:54		Fixed ( 528.4, 528.4)					XRT QUAD #3					
<b>PROG= 20 1-time(s)</b>												
└─ 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					
03/03 12:33:00 - 03/03 12:39:54		Fixed ( -528.4, 528.4)					XRT QUAD #4					
<b>PROG= 09 1-time(s)</b>												
└─ 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						

<b>XOB #1C6B: Synoptic Q95 2x2 - Al/mesh(64/512/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(128/1024/4096) +</b>																				
Term		Pointing (x, y)									Comment									
03/03 12:43:00 - 03/03 12:49:54		Fixed ( 0.0, 0.0)									XRT synoptic									
03/04 05:40:00 - 03/04 05:46:54		Fixed ( 0.0, 0.0)									HOP349 and synoptic, shifted -23.0 min									

<b>PROG= 06 1-time(s)</b>																				
┌ 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= 85 1-time(s) 2.0sec																				
├ Al-poly/Open Al-poly/Open close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec																				
├ Al-poly/Open Al-poly/Open close Safe Norm 1.00s 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																				

<b>XOB #1CA4: HOP413 with AKATSUKI-Beppi Alpoly(8192ms)+Dark(512ms) Q98 2x2 15min-cad</b>																				
Term		Pointing (x, y)									Comment									
03/03 12:53:00 - 03/03 16:19:54		Fixed ( -122.0, -819.0)									HOP413 #1									
03/03 16:23:00 - 03/03 19:49:54		Fixed ( -122.0, -679.0)									HOP413 #2									

<b>PROG= 19 Inf.-time(s)</b>																				
┌ Subr= 1 1-time(s) 2.0sec																				
├ Seqn= 45 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																				
└ Subr= 2 3-time(s) 2.0sec																				
├ Seqn= 89 1-time(s) 900.0sec																				
├ Al-poly/Open Al-poly/Open 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																				

<b>XOB #1C09: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 60s cadence, G-band - 384x384 1ms</b>																				
Term		Pointing (x, y)									Comment									
03/03 20:03:00 - 03/03 22:59:54		Track ( 195.9, -86.0) @ 03/03 20:00:00									HOP408									

<b>PROG= 15 Inf.-time(s)</b>																				
┌ Subr= 1 1-time(s) 2.0sec																				
├ Seqn= 16 2-time(s) 2.0sec																				
├ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) DPCM 0 0 2.0sec																				
└ Subr= 2 1-time(s) 2.0sec																				
├ Seqn= 90 1-time(s) 30.0sec																				
├ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec																				
└ Subr= 3 60-time(s) 60.0sec																				
├ Seqn= 57 1-time(s) 30.0sec																				
├ Open/Al-mesh Open/Al-mesh close Safe Norm 4.00s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec																				
├ Al-poly/Open Al-poly/Open close Safe Norm 5.66s Obs 1x1 384x384 (1064, 1048) Q=90 0 0 2.0sec																				
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval																				

<b>XOB #1C97: AR - Filter-Ratio with thin-Be (long/short pairs) and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 60 cad</b>																				
Term		Pointing (x, y)									Comment									
03/03 23:03:00 - 03/03 23:30:00		Track ( 156.8, -429.5) @ 03/03 23:00:00									HOP396									

<b>PROG= 03 Inf.-time(s)</b>																				
┌ 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																				

<b>Subr= 2 120-time(s) 60.0sec</b>													
<b>Seqn= 37 1-time(s) 2.0sec</b>													
	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
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
<b>Seqn= 59 1-time(s) 2.0sec</b>													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	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 #1BFE: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with**

Term	Pointing (x, y)	Comment
03/03 23:33:06 - 03/04 01:59:54	Track ( 156.8, -429.5) @ 03/03 23:00:00	HOP396
03/04 05:50:00 - 03/04 09:23:30	Track ( 233.0, -418.5) @ 03/04 05:47:00	AR obs

<b>PROG= 13 Inf.-time(s)</b>													
<b>Subr= 1 1-time(s) 2.0sec</b>													
<b>Seqn= 92 1-time(s) 2.0sec</b>													
	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
<b>Subr= 2 4-time(s) 2.0sec</b>													
<b>Seqn= 47 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 77 4-time(s) 300.0sec</b>													
	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	95.0sec
	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	95.0sec
	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 #1C2C: HOP349 - 3-filter Synoptics (Al-mesh[24/256/2897], Al-poly[45/512/4096], thin-Be[1024/11571/23142] with 512x512 G-band+Leak - 45min cad) +**

Term	Pointing (x, y)	Comment
03/04 02:03:00 - 03/04 05:36:54	Fixed ( 0.0, 0.0)	HOP349 and synoptic, shifted -23.0 min

<b>PROG= 16 Inf.-time(s)</b>													
<b>Subr= 1 1-time(s) 600.0sec</b>													
<b>Seqn= 1 1-time(s) 2.0sec</b>													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
<b>Seqn= 99 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 33 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 30 1-time(s) 2.0sec</b>													
	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
<b>Subr= 2 4-time(s) 600.0sec</b>													
<b>Seqn= 8 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 6 1-time(s) 2.0sec</b>													
	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
<b>Seqn= 29 1-time(s) 2.0sec</b>													
	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	

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**Flare mode**

\* \* \* \* \*

**XOB #1C96: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + GB**

Term	Pointing (x, y)	Comment
03/03 20:03:00 - 03/03 22:59:54	Track ( 195.9, -86.0) @ 03/03 20:00:00	HOP408
03/03 23:03:00 - 03/03 23:30:00	Track ( 156.8, -429.5) @ 03/03 23:00:00	HOP396
03/03 23:33:06 - 03/04 01:59:54	Track ( 156.8, -429.5) @ 03/03 23:00:00	HOP396
03/04 02:03:00 - 03/04 05:36:54	Fixed ( 0.0, 0.0)	HOP349 and synoptic, shifted -23.0 min

PROG= 04 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= 73 1-time(s) 10.0sec											
	thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3 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-Be	Open/thick-Be	close	Safe	Norm	2.00s	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

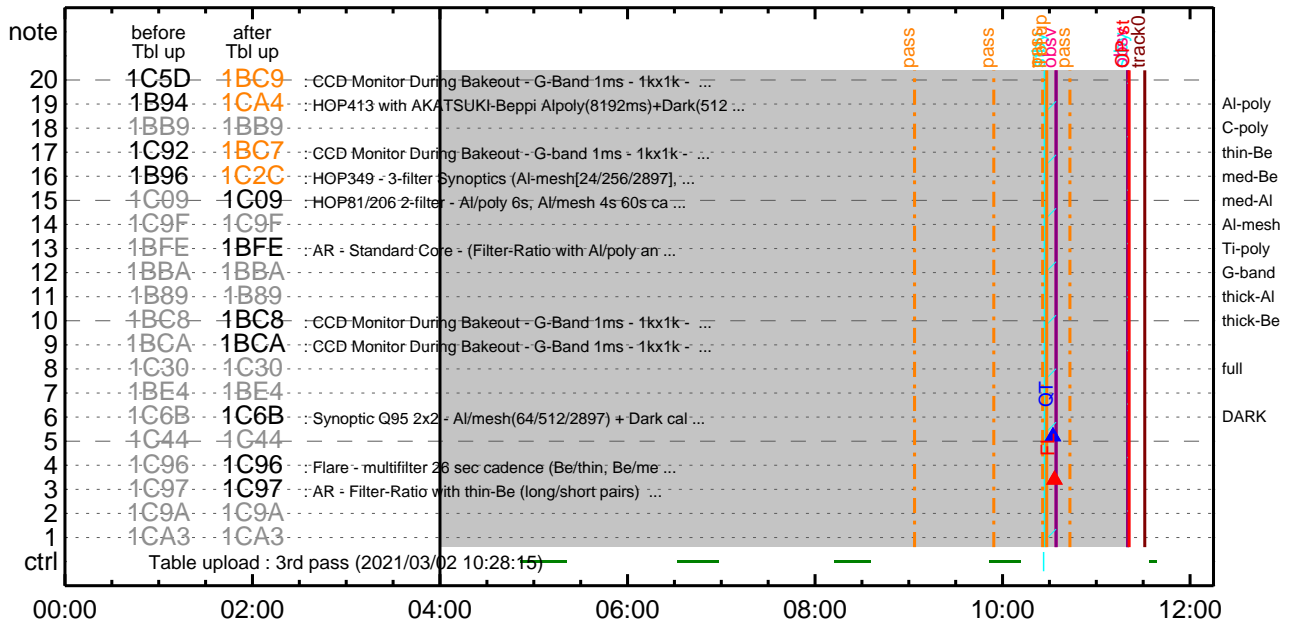
\* \* \* \* \*

### Flare Detection

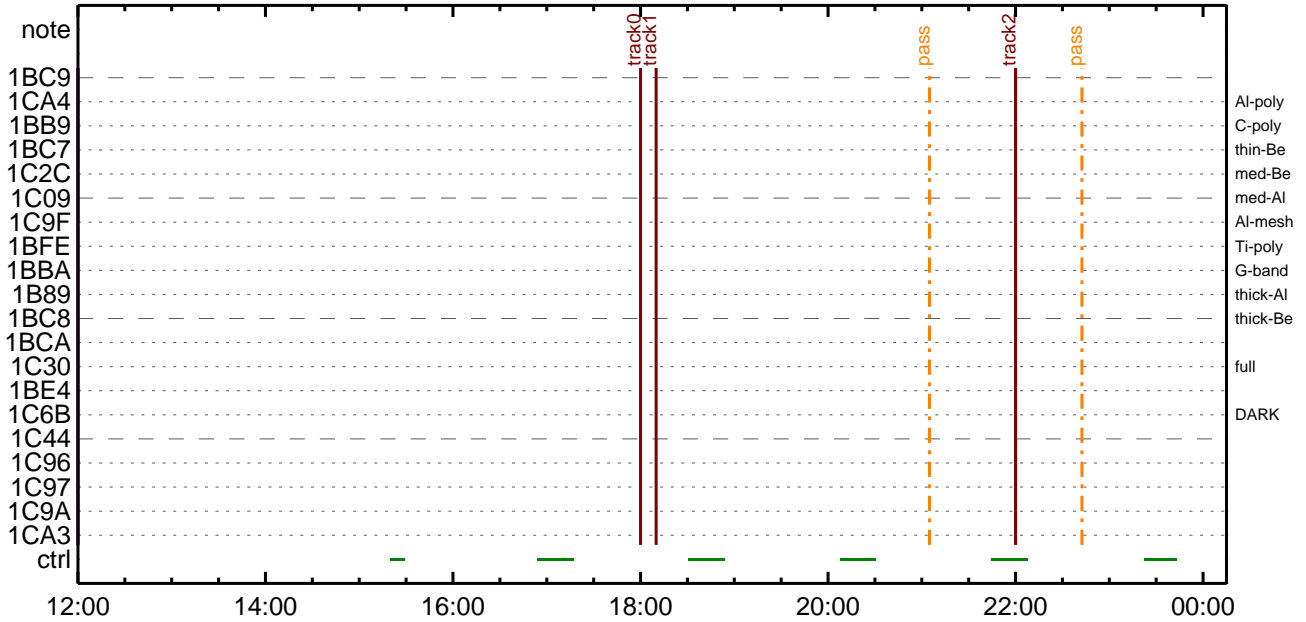
\* \* \* \* \*

FLD Patrol											
Term	Pointing (x, y)						Comment				
03/03 20:00:18 - 03/04 05:37:16	Track ( 195.9, -86.0) @ 03/03 20:00:00						HOP408				
03/04 05:47:16 - 03/06 11:00:00	Track ( 233.0, -418.5) @ 03/04 05:47:00						AR obs				
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50	30sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

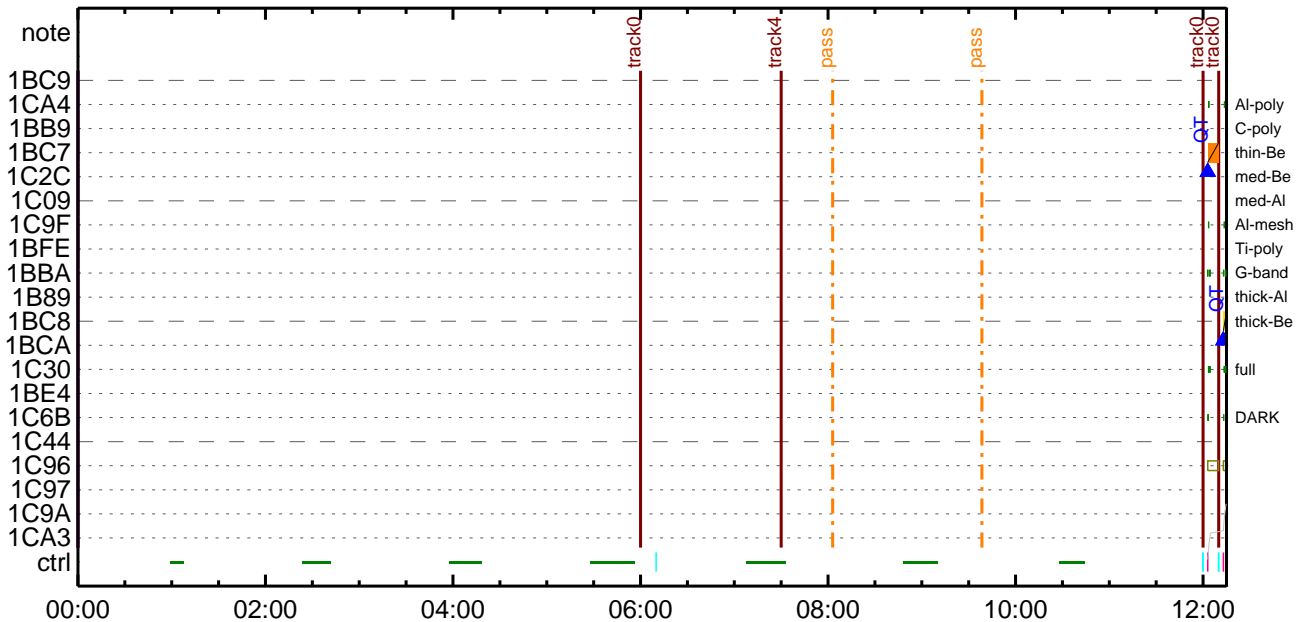
### CMDI #0479 2021/03/02



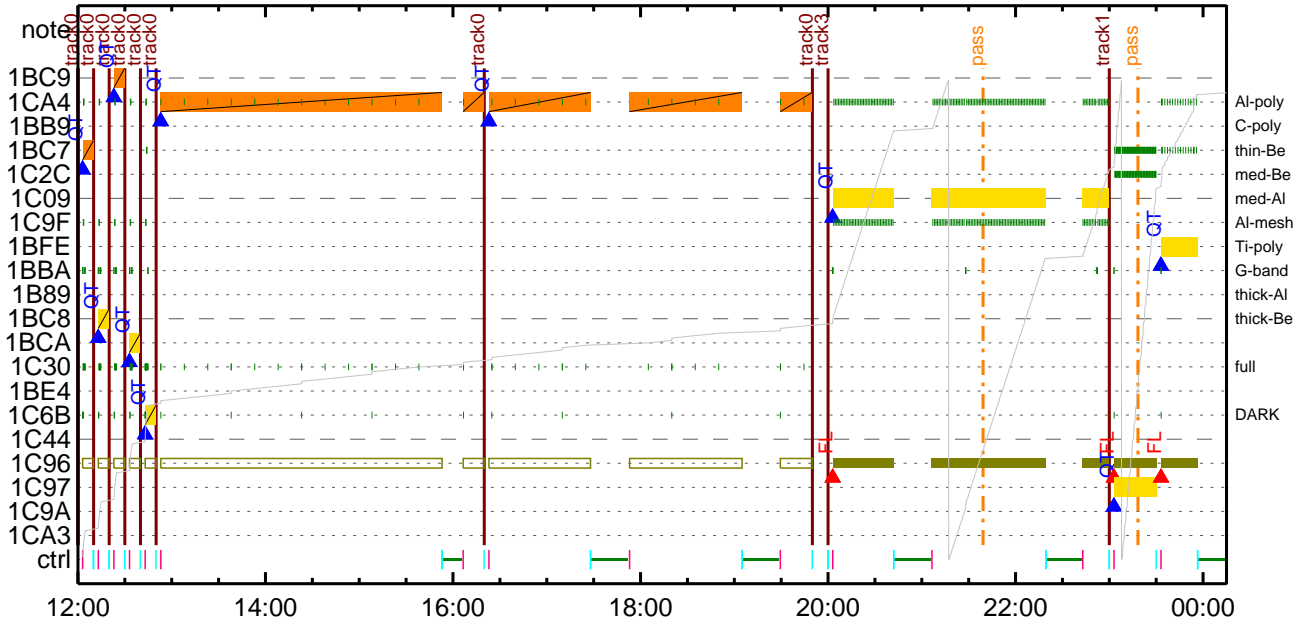
### CMDI #0479 2021/03/02



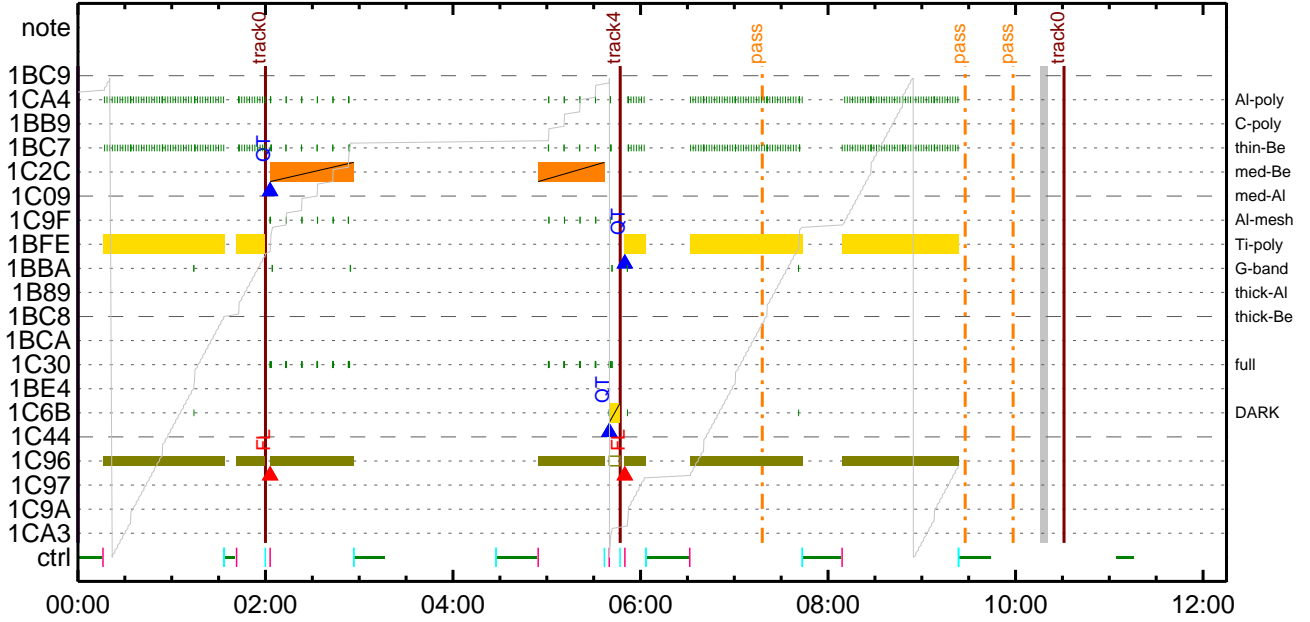
### CMDI #0479 2021/03/03



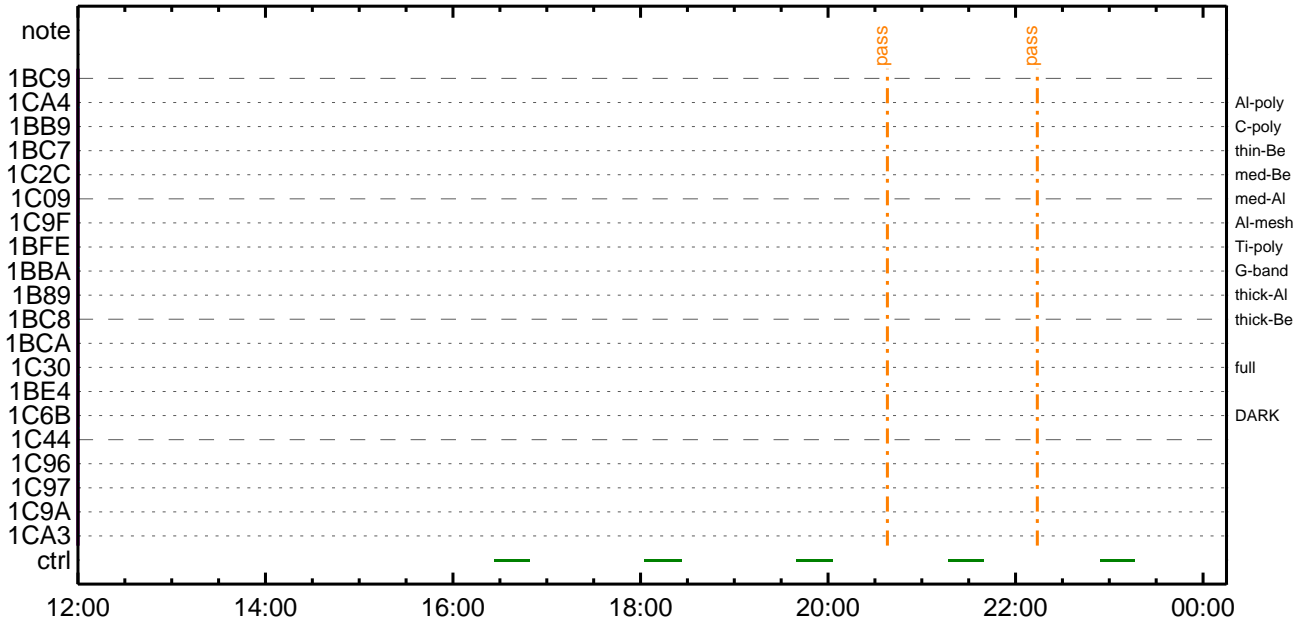
CMDI #0479 2021/03/03



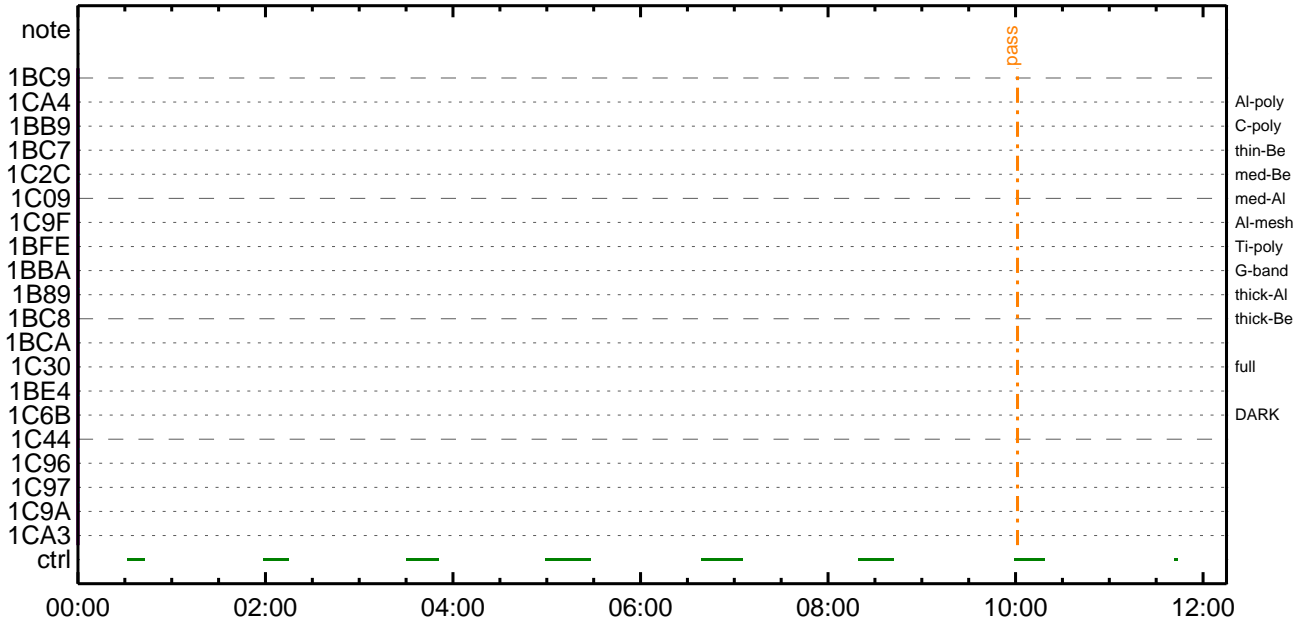
CMDI #0479 2021/03/04



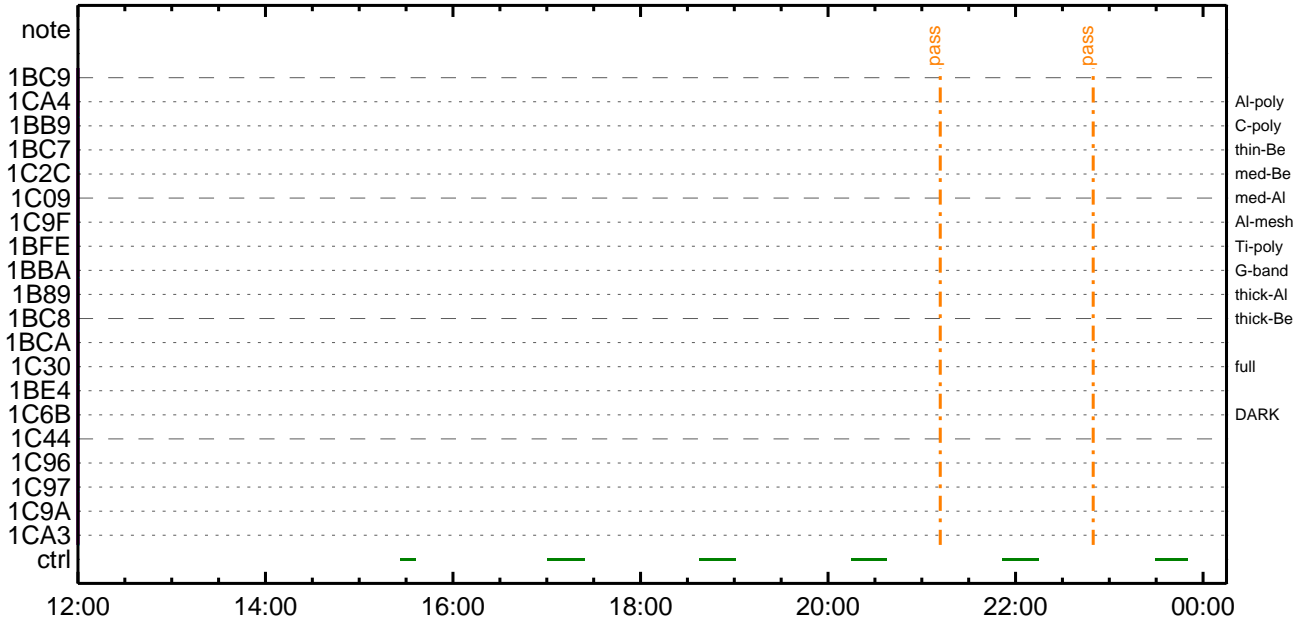
CMDI #0479 2021/03/04



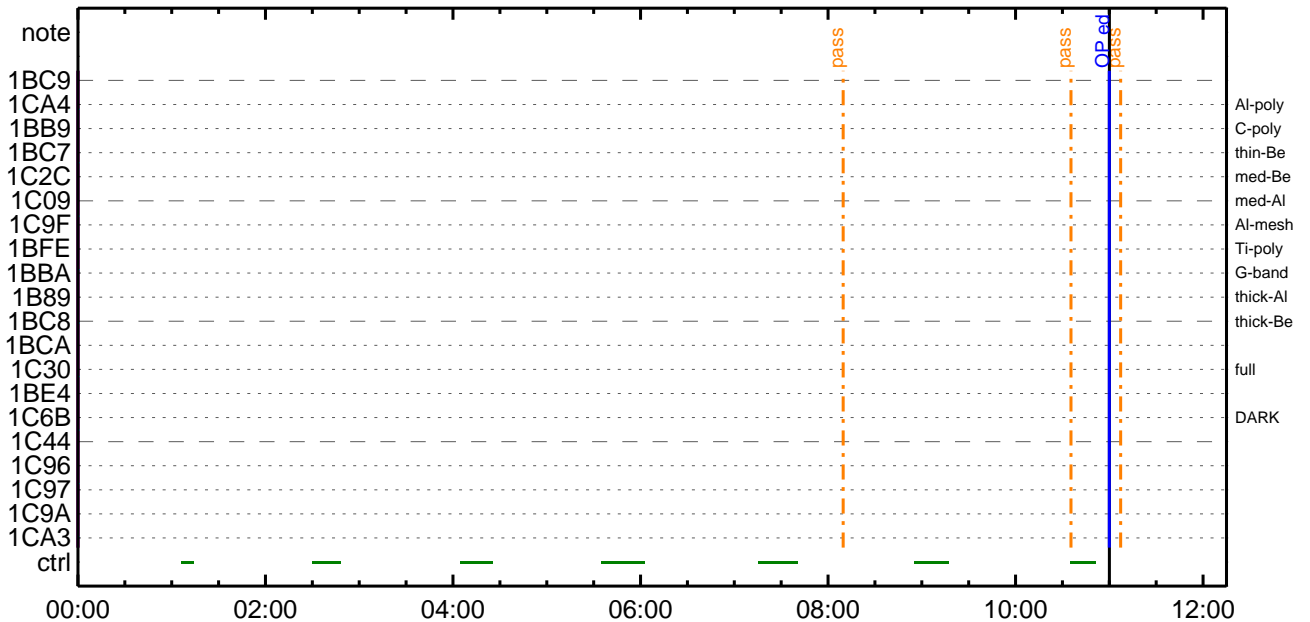
CMDI #0479 2021/03/05



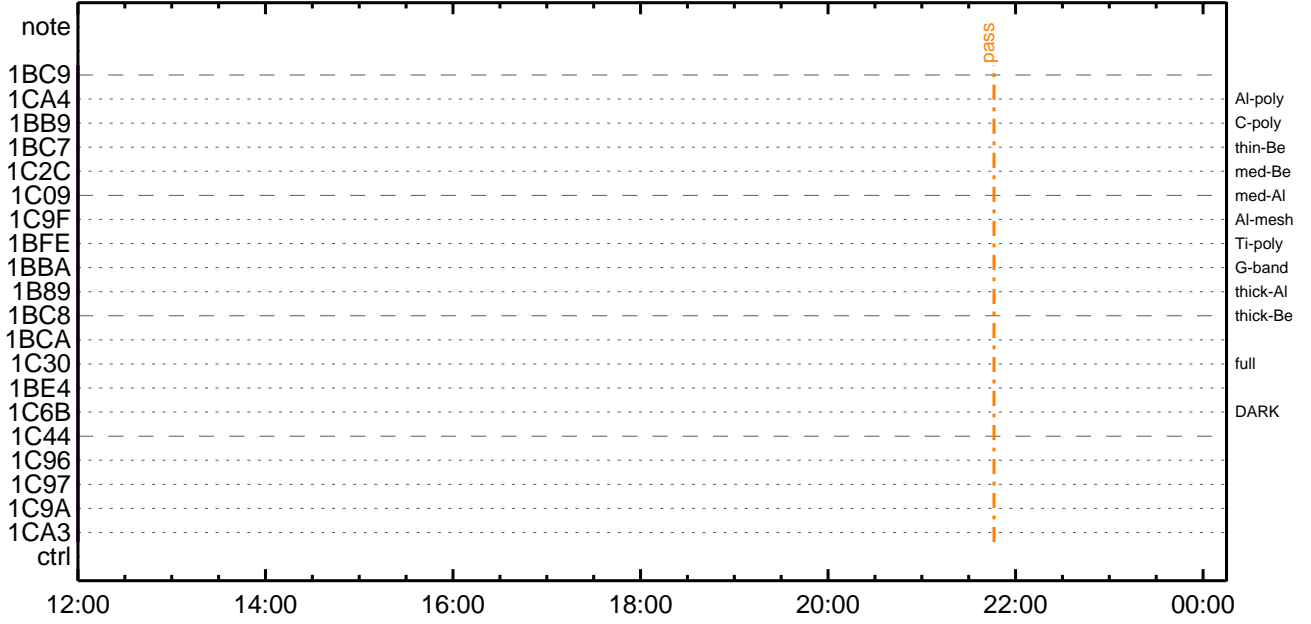
CMDI #0479 2021/03/05



CMDI #0479 2021/03/06



CMDI #0479 2021/03/06







```
0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|AYOX
0100 C. *****
0101 C.
0102 C. ;aOP/OGY1;4YE;a
0103 S. OP op-343:OP
0104 ( )
0105 S. OG og-343:OG
0106 ( )
0107 C.
0108 C. ;aNMOG&OPf^°eAYOX;a
0109 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C.         çç[HK1_DMP_TOP_ADRS_1]           EQ      40
0113 C.         çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0114 C.         çç[HK1_DMP_BLOCK_NUM]           EQ     127
0115 C.         çç[HK1_DMP_REPEAT_NUM]          EQ      0
0116 C.         çç[HK1_DMA_DMP_PIM]             EQ     DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C.         çç[HK1_PKT_FORM_NO]             EQ      7
0120 C.         çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0121 C.         çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0122 C.         çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0123 C.         çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0124 C. AYOXx½^aî»oð³îç§
0125 C.         çç[HK1_DMP_CHK_FLG]           EQ     NON
0126 C. RAM ID=NMOGαî½ē¹ç•ē²îOKαð³îç§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C.         çç[HK1_DMP_TOP_ADRS_1]           EQ     41
0132 C.         çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0133 C.         çç[HK1_DMP_BLOCK_NUM]           EQ     127
0134 C.         çç[HK1_DMP_REPEAT_NUM]          EQ      0
0135 C.         çç[HK1_DMA_DMP_PIM]             EQ     DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C.         çç[HK1_PKT_FORM_NO]             EQ      7
0139 C.         çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0140 C.         çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0141 C.         çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0142 C.         çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0143 C. AYOXx½^aî»oð³îç§
0144 C.         çç[HK1_DMP_CHK_FLG]           EQ     NON
0145 C. RAM ID=NMOGαî½ē¹ç•ē²îOKαð³îç§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C.         çç[HK1_DMP_TOP_ADRS_1]           EQ     42
0151 C.         çç[HK1_DMP_TOP_ADRS_0]           EQ      0
0152 C.         çç[HK1_DMP_BLOCK_NUM]           EQ     65
0153 C.         çç[HK1_DMP_REPEAT_NUM]          EQ      0
0154 C.         çç[HK1_DMA_DMP_PIM]             EQ     DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C.         çç[HK1_PKT_FORM_NO]             EQ      7
0158 C.         çç[HK1_PKT_GEN_TIME]           EQ     0.25 s
0159 C.         çç[HK1_S_TLM_BIT_RATE]         EQ     32k
0160 C.         çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0161 C.         çç[HK1_DMP_CHK_FLG]           EQ     EXEC
0162 C. AYOXx½^aî»oð³îç§
0163 C.         çç[HK1_DMP_CHK_FLG]           EQ     NON
0164 C. RAM ID=NMOG, RAM ID=OPαî½ē¹ç•ē²îOKαð³îç§
0165 C.
0166 C. ***** °ē²¼αî½Ä´¶Á°ēēē¬α°Ä÷¿@ (¼âµ-AYOXx½ê½çαðÄÖÄæαç¼^α°°ē¼î¹çαçαâ) *****
0167 C. DHUÿâ;¼YE;ê½Y½, Yî;¼YE;ēoðîãα¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C.         çç[HK1_PKT_FORM_NO]             EQ      2
0171 C.         çç[HK1_PKT_GEN_TIME]           EQ     0.5S
0172 C.         çç[HK1_S_TLM_BIT_RATE]         EQ     32K
0173 C.         çç[HK1_X_TLM_BIT_RATE]         EQ      4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOADα¬Ä÷¿@NGUî½î¹ç;ç°ē²¼αîTI-CMDÄ÷¿@αî½Ä¹Ôα°°ēααα³αē;f
0180 C.         αPα¿;çSETαEDUMPαîÆ±°îYÑY¹αç¹Ôα|α³αē;f
0181 C.
0182 C. TIY³YpYóYēoðÄî¿¿(UT)
0183 +. TI 2021-03-02 11:16:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C.         çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0186 C.
0187 +. TI 2021-03-02 11:16:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C.         çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
0190 C.
0191 +. TI 2021-03-02 11:16:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C.         çç[HK1_TI_CMD_NUM]             EQ     1COUNTUP
```

```

0194 C.
0195 +. TI 2021-03-02 11:20:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C.  °È²¼ºíÄè%îíñºîîŷÄŷ§ŷÄŷ¹àîÛ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]       EQ      ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ      4
0202 C.          çç[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]     EQ      07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]     EQ      2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]      EQ      3
0215 C.          çç[HK1_DMP_REPEAT_NUM]     EQ      0
0216 C.          çç[HK1_DMA_DMP_PIM]       EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]       EQ      7
0220 C.          çç[HK1_PKT_GEN_TIME]       EQ      0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]    EQ      32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]    EQ      4M
0223 C.          çç[HK1_DMP_CHK_FLG]       EQ      EXEC
0224 C.
0225 C.  ŷÄŷÖŷ×½ªî»º³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLºîî³È¹ç·è²îOKº³îç§
0229 C.
0230 C. DHUŷª;¼ŷÈ;È¼ŷ¼. ŷî;¼ŷÈ;Èº³îªº¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]       EQ      2
0234 C.          çç[HK1_PKT_GEN_TIME]       EQ      0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]    EQ      32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]    EQ      4M
0237 C.
0238 C. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2021-03-02 11:20:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C.   HK1_TI_CMD_NUM           = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2021-03-02 11:20:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2021-03-02 11:20:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]       EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2021-03-02 11:20:00.0
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 ´ûÃîñî»ö¼ŷºÈÄº¹ºèDCBC·x²è *****
0276 C. (¼ªºîŷÖŷÄŷÈŷŷŷÈŷªŷçŷèºÈ¼ºª¼ª»Ûº¹ºè)
0277 C. S. DC-BC dcbc-402:DCBC
0278 C. (MDP_known_event)
0279 C.
0280 C.
0281 C. ***** ŷÐŷ¹·î Daily±çîñºÈ¹ºèDCBC·x²è *****
0282 C. S. DC-BC dcbc-153:DCBC
0283 C. (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0284 C.
0285 C.
0286 C. ;ãLOSŷÄŷ§ŷÄŷ¹¼ª»Û;ã
0287 C.
0288 C. ***** LOS *****
0289 C.

```



(a) Spacecraft Operation Procedure (real-commands)

```
main-345 2021-03-02 12:02:44 136 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¿ÍY¿Y×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈÈÈ¼°ÇÓã•¿¿¼í¹¿ãÍ;çÀ®, ùã¹ãèãÈãÇÁ+¿®ã•èèãã³ãÈ;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-287: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 2021-03-02 11:20:18.0
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 80 80 20 20)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 07 80 80 20 08)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 08 80 80 08 20)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 09 c0 c0 10 10)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 0a 40 c0 10 10)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0b 40 40 10 10)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0c c0 40 10 10)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0d 85 83 06 06)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 0e 80 80 08 08)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 0f 80 80 06 06)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 10 80 80 08 08)
0094 + DC 07-F0 MDP_XRT_FLD_ENA
0095 BC (d8)
```

```
0096 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0097 BC (c8)
0098 + DC 07-F0 MDP_XRT_ARS_DIS
0099 BC (d5)
0100 + DC 07-F0 MDP_XRT_AEC_RESET
0101 BC (d0)
0102 + DC 07-F0 MDP_XRT_FLD_RESET
0103 BC (da)
0104 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0105 BC (c4 06)
0106 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0107 BC (c5 04)
0108 . C. ----- Success Verify ? OK / NG ____
0109 C.
0110 C.
0111 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0112 C.
0113 +. DC 07-F0 MDP_XRT_MODE_OBSV
0114 BC (c2)
0115 +. TI 2021-03-02 11:20:02.0
0116 DC 07-F0 MDP_XRT_MODE_OBSV
0117 BC (c2)
0118 . C. ----- Success Verify ? OK / NG ____
0119 C.
0120 C. ***** XRT END *****
0121 C.
0122 . C. ***** MDP 'úÃîñî»ö¼ÝñÊÃðñ¹ñèDCBC•x²è *****
0123 C. (%ã°îÿÓÿÄÿÈÿÞÿËÿÀÿÇÿÈñ¼ññ¼Ã»Ûñ¹ñè)
0124 . S. DC-BC dcbc-402:DCBC
0125 (MDP_known_event)
0126 C.
0127 C.
0128 . C. ***** ÿÐÿ¹•Ï Daily±¿ÎññË´Øñ¹ñèDCBC•x²è *****
0129 . S. DC-BC dcbc-153:DCBC
0130 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0131 C.
0132 C.
0133 . C. ;ãLOSÿÄÿ§ÿËÿËÿ-¼Ã»Û;ã
0134 C.
0135 . C. ***** LOS *****
0136 C.
```

\*\*\* OP Sequence for XRT \*\*\*

2021/03/02	11:31:00.0	AOCS_ORe-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 b3 75 01 f3		
2021/03/02	18:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2021/03/02	18:10:00.0	AOCS_ORe-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	01 03 74 01 f3		
2021/03/02	22:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]					
		AOCU_NM	5	02-76	02 03 74 01 f3		
2021/03/03	06:00:00.0	AOCS_ORe-point_Start_5_OG [0x09b]					
		AOCU_NM	5	02-76	00 00 00 ad 59		
2021/03/03	06:10:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	06:10:02.0	XRT_TCIB_XRT_S_HTR_A_DIS_428_OG [0x1ac]					
		TCIB_XRT_S_HTR_A_DIS	0	04-C0			
2021/03/03	07:30:00.0	AOCS_ORe-point_Start_6_OG [0x09c]					
		AOCU_NM	5	02-76	04 03 74 01 f3		
2021/03/03	11:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	11:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	11:59:58.0	XRT_FOCUS_POSITION_435_OG [0x1b3]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/03/03	12:00:00.0	AOCS_ORe-point_Start_7_OG [0x09d]					
		AOCU_NM	5	02-76	00 2e f9 2e f9		
2021/03/03	12:02:52.0	XRT_ARS_DIS_444_OG [0x1bc]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/03/03	12:02:54.0	XRT_FLRCTRL_DIS_436_OG [0x1b4]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/03/03	12:02:56.0	XRT_FLD_DIS_437_OG [0x1b5]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/03/03	12:02:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11		
2021/03/03	12:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/03/03	12:09:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:09:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:09:58.0	XRT_FOCUS_POSITION_435_OG [0x1b3]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/03/03	12:10:00.0	AOCS_ORe-point_Start_8_OG [0x09e]					
		AOCU_NM	5	02-76	00 2e f9 d1 07		
2021/03/03	12:12:52.0	XRT_ARS_DIS_444_OG [0x1bc]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/03/03	12:12:54.0	XRT_FLRCTRL_DIS_436_OG [0x1b4]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/03/03	12:12:56.0	XRT_FLD_DIS_437_OG [0x1b5]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/03/03	12:12:58.0	XRT_QT_PROG_SET_438_OG [0x1b6]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a		
2021/03/03	12:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/03/03	12:19:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:19:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:19:58.0	XRT_FOCUS_POSITION_435_OG [0x1b3]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/03/03	12:20:00.0	AOCS_ORe-point_Start_9_OG [0x09f]					
		AOCU_NM	5	02-76	00 d1 07 d1 07		
2021/03/03	12:22:52.0	XRT_ARS_DIS_444_OG [0x1bc]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/03/03	12:22:54.0	XRT_FLRCTRL_DIS_436_OG [0x1b4]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/03/03	12:22:56.0	XRT_FLD_DIS_437_OG [0x1b5]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/03/03	12:22:58.0	XRT_QT_PROG_SET_445_OG [0x1bd]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2021/03/03	12:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/03/03	12:29:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:29:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:29:58.0	XRT_FOCUS_POSITION_435_OG [0x1b3]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2021/03/03	12:30:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]					
		AOCU_NM	5	02-76	00 d1 07 2e f9		
2021/03/03	12:32:52.0	XRT_ARS_DIS_444_OG [0x1bc]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2021/03/03	12:32:54.0	XRT_FLRCTRL_DIS_436_OG [0x1b4]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2021/03/03	12:32:56.0	XRT_FLD_DIS_437_OG [0x1b5]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2021/03/03	12:32:58.0	XRT_QT_PROG_SET_431_OG [0x1af]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 09		
2021/03/03	12:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2021/03/03	12:39:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2021/03/03	12:39:56.0	XRT_FOCUS_POSITION_406_OG [0x196]					

2021/03/03	12:40:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCU_NM		5	02-76	00	00	00	00
2021/03/03	12:40:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2021/03/03	12:40:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2021/03/03	12:40:20.0	XRT_ARS_DIS_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	12:42:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2021/03/03	12:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	12:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	12:49:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2021/03/03	12:50:00.0	AOCS_ORe-point_Start_11_OG [0x0a1]	AOCU_NM	5	02-76	00	48	cc	0a
2021/03/03	12:50:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2021/03/03	12:50:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2021/03/03	12:50:20.0	XRT_ARS_DIS_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	12:52:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13		
2021/03/03	12:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	15:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	15:53:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	15:53:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	15:53:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	15:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/03	16:05:30.0	XRT_Custom_430_OG [0x1ae]							
2021/03/03	16:06:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	16:19:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	16:19:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2021/03/03	16:20:00.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00	3c	5a	0a
2021/03/03	16:20:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2021/03/03	16:20:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2021/03/03	16:20:20.0	XRT_ARS_DIS_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	16:22:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13		
2021/03/03	16:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	17:28:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	17:28:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	17:28:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	17:28:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	17:31:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/03	17:52:00.0	XRT_Custom_430_OG [0x1ae]							
2021/03/03	17:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	19:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	19:05:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	19:05:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	19:05:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	19:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/03	19:28:30.0	XRT_Custom_430_OG [0x1ae]							
2021/03/03	19:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	19:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	19:50:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2021/03/03	19:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	19:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	19:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							



2021/03/03	20:00:00.0	AOCS_ORe-point_Start_13_OG [0x0a3]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	03	03	74	01 f3
2021/03/03	20:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2021/03/03	20:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/03/03	20:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2021/03/03	20:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	20:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	20:02:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f		
2021/03/03	20:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04		
2021/03/03	20:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	20:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	20:42:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	20:42:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	20:42:06.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	20:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/03	21:05:30.5	XRT_Custom_430_OG [0x1ae]							
2021/03/03	21:06:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	22:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	22:19:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	22:19:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	22:19:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	22:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/03	22:42:00.0	XRT_Custom_430_OG [0x1ae]							
2021/03/03	22:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	22:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	22:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	22:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
2021/03/03	23:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		AOCU_NM		5	02-76	01	03	74	01 f3
2021/03/03	23:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2021/03/03	23:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/03/03	23:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2021/03/03	23:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	23:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	23:02:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2021/03/03	23:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04		
2021/03/03	23:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	23:30:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	23:30:02.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
2021/03/03	23:30:22.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
		MDP_XRT_FLD_ENA		1	07-F0	d8			
2021/03/03	23:30:24.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/03/03	23:30:26.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2021/03/03	23:30:28.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/03	23:30:30.0	XRT_FLD_RESET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	23:33:02.0	XRT_QT_PROG_SET_422_OG [0x1a6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d		
2021/03/03	23:33:04.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04		
2021/03/03	23:33:06.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/03	23:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/03	23:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			

2021/03/03	23:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/03	23:56:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/03	23:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/04	00:15:00.0	XRT_Custom_430_OG [0x1ae]							
2021/03/04	00:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/04	01:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	01:33:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	01:33:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/04	01:33:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/04	01:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/04	01:40:30.0	XRT_Custom_430_OG [0x1ae]							
2021/03/04	01:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/04	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	01:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2021/03/04	02:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00			
2021/03/04	02:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2021/03/04	02:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/03/04	02:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2021/03/04	02:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/04	02:00:24.0	XRT_FLD_RESET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/04	02:02:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 10			
2021/03/04	02:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04			
2021/03/04	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/04	02:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	02:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	02:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/04	02:56:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/04	02:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/04	04:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	04:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	04:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2021/03/04	04:27:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/03/04	04:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/03/04	04:53:30.0	XRT_Custom_430_OG [0x1ae]							
2021/03/04	04:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/04	05:36:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	05:36:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2021/03/04	05:37:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2021/03/04	05:37:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2021/03/04	05:37:20.0	XRT_ARS_DIS_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/03/04	05:39:58.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06			
2021/03/04	05:40:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/03/04	05:46:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/03/04	05:46:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2021/03/04	05:47:00.0	AOCS_Ore-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	04 03 74 01 f3			
2021/03/04	05:47:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2021/03/04	05:47:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/03/04	05:47:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			

2021/03/04	05:47:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2021/03/04	05:47:24.0	XRT_FLD_RESET_429_OG [0x1ad]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/03/04	05:49:56.0	XRT_QT_PROG_SET_422_OG [0x1a6]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2021/03/04	05:49:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2021/03/04	05:50:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/03/04	06:03:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	06:03:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	06:03:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/03/04	06:03:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/03/04	06:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/03/04	06:30:30.0	XRT_Custom_430_OG [0x1ae]			
2021/03/04	06:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/03/04	07:43:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	07:43:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	07:43:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/03/04	07:43:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/03/04	07:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/03/04	08:08:00.5	XRT_Custom_430_OG [0x1ae]			
2021/03/04	08:09:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/03/04	09:23:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	09:23:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/03/04	09:23:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/03/04	09:23:36.0	XRT_PREFLR_STRT_440_OG [0x1b8]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/03/04	09:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/03/04	10:31:00.0	AOCS_Or-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00