

# XRT Timeline to be uploaded on 2024/05/14

Period: 2024/05/14 11:18:00 - 2024/05/18 11:11:00

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Normal mode

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XOB #1D03: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant -AI/mesh(2048ms) - 1x1, AI/Poly(1443ms) - 2x2 - w leak image-1msCC													
Term		Pointing (x, y)					Comment						
05/15 12:43:00 - 05/15 12:49:54		Fixed ( -528.4, -528.4)					Post bakeout Q1						
<b>PROG= 09 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) 120.0sec													
└─ Seqn= 93 2-time(s) 2.0sec													
	Open/AI-mesh	Open/thick-AI	close	Safe	Norm	2.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	AI-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 60.0sec													
	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 #1D04: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 2nd Quadrant -AI/mesh(2048ms) - 1x1, AI/Poly(1443ms) - 2x2 - w leak image-1msCC													
Term		Pointing (x, y)					Comment						
05/15 12:53:00 - 05/15 12:59:54		Fixed ( 528.4, -528.4)					Post bakeout Q2						
<b>PROG= 15 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) 120.0sec													
└─ Seqn= 93 2-time(s) 2.0sec													
	Open/AI-mesh	Open/thick-AI	close	Safe	Norm	2.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	AI-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 60.0sec													
	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 #1D05: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 3rd Quadrant -AI/mesh(2048ms) - 1x1, AI/Poly(1443ms) - 2x2 - w leak image-1msCC													
Term		Pointing (x, y)					Comment						
05/15 13:03:00 - 05/15 13:09:54		Fixed ( 528.4, 528.4)					Post bakeout Q3						
<b>PROG= 04 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) 120.0sec													
└─ Seqn= 93 2-time(s) 2.0sec													
	Open/AI-mesh	Open/thick-AI	close	Safe	Norm	2.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	AI-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 60.0sec													
	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 #1D06: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 4th Quadrant -AI/mesh(2048ms) - 1x1, AI/Poly(1443ms) - 2x2 - w leak image-1msCC													
Term		Pointing (x, y)					Comment						
05/15 13:13:00 - 05/15 13:19:54		Fixed ( -528.4, 528.4)					Post bakeout Q4						
<b>PROG= 20 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) 120.0sec													

Seqn= 93		2-time(s)		2.0sec													
Open/Al-mesh	Open/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Al-poly/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Subr= 3		2-time(s)		2.0sec													
Seqn= 34		1-time(s)		60.0sec													
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 #1D07: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(8/181/1443), Thin-Be(33/512/4096), Thick-Be(32768), Med-Al(256/8192/32768), Med-Be(128/5792)**

Term	Pointing (x, y)	Comment
05/15 13:23:00 - 05/15 13:29:54	Fixed ( 0.0, 0.0)	Post bakeout synoptics
05/15 18:23:00 - 05/15 18:32:30	Fixed ( 0.0, 0.0)	synoptic, shifted 20 min
05/16 06:39:00 - 05/16 06:45:54	Fixed ( 0.0, 0.0)	synoptic, HOP 349

Prog= 19		1-time(s)		2.0sec													
Subr= 1		1-time(s)		2.0sec													
Seqn= 5		1-time(s)		2.0sec													
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512	(1024, 1024)	DPCM	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048	(1024, 1024)	DPCM	0	0	2.0sec				
Seqn= 26		1-time(s)		2.0sec													
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	5ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 99		1-time(s)		2.0sec													
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	1.41s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 83		1-time(s)		2.0sec													
thin-Be/Open	thin-Be/Open	close	Safe	Norm	32ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
thin-Be/Open	thin-Be/Open	close	Safe	Norm	4.00s	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= 41		1-time(s)		2.0sec													
Open/thick-Be	Open/thick-Be	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Seqn= 17		1-time(s)		2.0sec													
med-Al/Open	med-Al/thick-Al	close	Safe	Norm	250ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
med-Al/Open	med-Al/thick-Al	close	Safe	Norm	8.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
med-Al/Open	med-Al/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 33		1-time(s)		2.0sec													
med-Be/Open	Open/thick-Al	close	Safe	Norm	125ms	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
med-Be/Open	med-Be/Open	close	Safe	Norm	5.66s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
med-Be/Open	med-Be/Open	close	Safe	Norm	22.6s	Obs	2x2	2048x2048	(1024, 1024)	Q=95	0	0	2.0sec				
Seqn= 75		1-time(s)		2.0sec													
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	44ms	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	2x2	2048x2048	(1024, 1024)	Q=98	0	0	2.0sec				
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval				

**XOB #1BDE: 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
05/15 13:33:00 - 05/15 18:19:54	Track ( 352.7, -358.4) @ 05/15 13:30:00	End of synoptics, AR13676
05/15 23:18:00 - 05/16 03:59:54	Track ( 425.5, -360.6) @ 05/15 23:15:00	AR13676
05/16 06:49:00 - 05/16 10:29:00	Track ( 479.0, -362.5) @ 05/16 06:46:00	AR13676

Prog= 03		Inf.-time(s)		2.0sec													
Subr= 1		1-time(s)		2.0sec													
Seqn= 92		1-time(s)		2.0sec													
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0	0	2.0sec				
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384	(1064, 1048)	DPCM	0	0	2.0sec				
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384	(1064, 1048)	Q=98	0	0	2.0sec				
Subr= 2		5-time(s)		2.0sec													
Seqn= 47		1-time(s)		2.0sec													
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	2	0	2.0sec				
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3	0	2.0sec				
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	2	0	2.0sec				
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	3	0	2.0sec				
Seqn= 96		4-time(s)		72.0sec													
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	0	2.0sec				
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	0	2.0sec				
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	1	2.0sec				
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	1	2.0sec				
Al-poly/Open	thin-Be/Open	close	Safe	Norm	250ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	2	2.0sec				
thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384	(1064, 1048)	Q=95	1	2	2.0sec				
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)			Comp.	AEC Buffer	Interval				

**XOB #1D14: Stray light study 2024-1; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)**

Term	Pointing (x, y)	Comment
05/15 18:35:00 - 05/15 18:45:54	Fixed ( 528.4, -528.4)	Stray light measurements
<b>PROG= 10 1-time(s)</b>		
<b>Subr= 2 16-time(s) 2.0sec</b>		
<b>Seqn= 40 1-time(s) 10.0sec</b>		
Open/Al-mesh	Open/thick-Al close	Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
<b>Subr= 3 9-time(s) 2.0sec</b>		
<b>Seqn= 31 1-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Ti-poly close	Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024) DPCM 0 0 2.0sec
<b>Seqn= 40 3-time(s) 10.0sec</b>		
Open/Al-mesh	Open/thick-Al close	Safe Norm 2.83s Obs 1x1 384x384 (1024, 1024) Q=95 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 384x384 (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 #1C8D: Alignment with North Pole Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 5min cad**

Term	Pointing (x, y)	Comment
05/15 19:12:00 - 05/15 20:14:00	Fixed ( 0.0, 930.0)	Co-alignment N-limb
<b>PROG= 16 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 23 1-time(s) 2.0sec</b>		
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
<b>Subr= 2 24-time(s) 300.0sec</b>		
<b>Seqn= 69 1-time(s) 2.0sec</b>		
Al-poly/Open	med-Be/Open close	Safe Norm 1.41s Obs 2x2 1024x1024 (1536, 1536) Q=95 0 0 2.0sec
Default Filter	Thicker Filter VLS	mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

**XOB #1C8E: Alignment with East limb Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 8 min cad**

Term	Pointing (x, y)	Comment
05/15 21:15:00 - 05/15 23:14:54	Fixed ( -970.0, 0.0)	Co-alignment E-limb
<b>PROG= 05 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 23 1-time(s) 2.0sec</b>		
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
<b>Subr= 2 15-time(s) 480.0sec</b>		
<b>Seqn= 70 1-time(s) 2.0sec</b>		
Al-poly/Open	med-Be/Open close	Safe Norm 1.41s Obs 2x2 1024x1024 (512, 1536) Q=95 0 0 2.0sec
Default Filter	Thicker Filter VLS	mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

**XOB #1D09: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[5/181/1443], thin-Be[16/512/3897] with 512x512 G-band+Leak - 90min cad) + CME wat**

Term	Pointing (x, y)	Comment
05/16 04:03:00 - 05/16 05:44:00	Fixed ( 0.0, 0.0)	synoptic, HOP 349
<b>PROG= 18 Inf.-time(s)</b>		
<b>Subr= 1 1-time(s) 600.0sec</b>		
<b>Seqn= 55 1-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Al-mesh close	Safe Norm 2ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close	Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Seqn= 98 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/Open close	Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close	Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al close	Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
<b>Seqn= 79 1-time(s) 2.0sec</b>		
thin-Be/Open	thin-Be/Open close	Safe Norm 16ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close	Safe Norm 2.83s 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 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=95 0 0 2.0sec
<b>Subr= 2 7-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= 74 1-time(s) 2.0sec</b>		
med-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec
med-Be/Open	med-Be/Open close	Safe Norm 2.00s Obs 4x4 2048x2048 (1024, 1024) Q=98 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	

\* \* \* \* \*

**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
05/15 13:33:00 - 05/15 18:19:54	Track ( 352.7, -358.4) @ 05/15 13:30:00	End of synopitcs, AR13676
05/15 23:18:00 - 05/16 03:59:54	Track ( 425.5, -360.6) @ 05/15 23:15:00	AR13676
05/16 04:03:00 - 05/16 05:44:00	Fixed ( 0.0, 0.0)	synoptic, HOP 349
05/16 06:49:00 - 05/16 10:29:00	Track ( 479.0, -362.5) @ 05/16 06:46:00	AR13676

**PROG= 14 30-time(s)**

<b>Subr= 1 20-time(s) 2.0sec</b>												
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn= 73 1-time(s) 10.0sec</b>												
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
<b>Subr= 2 1-time(s) 2.0sec</b>												
<b>Seqn= 10 1-time(s) 2.0sec</b>												
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
<b>Seqn= 11 1-time(s) 2.0sec</b>												
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
<b>Seqn= 87 1-time(s) 2.0sec</b>												
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

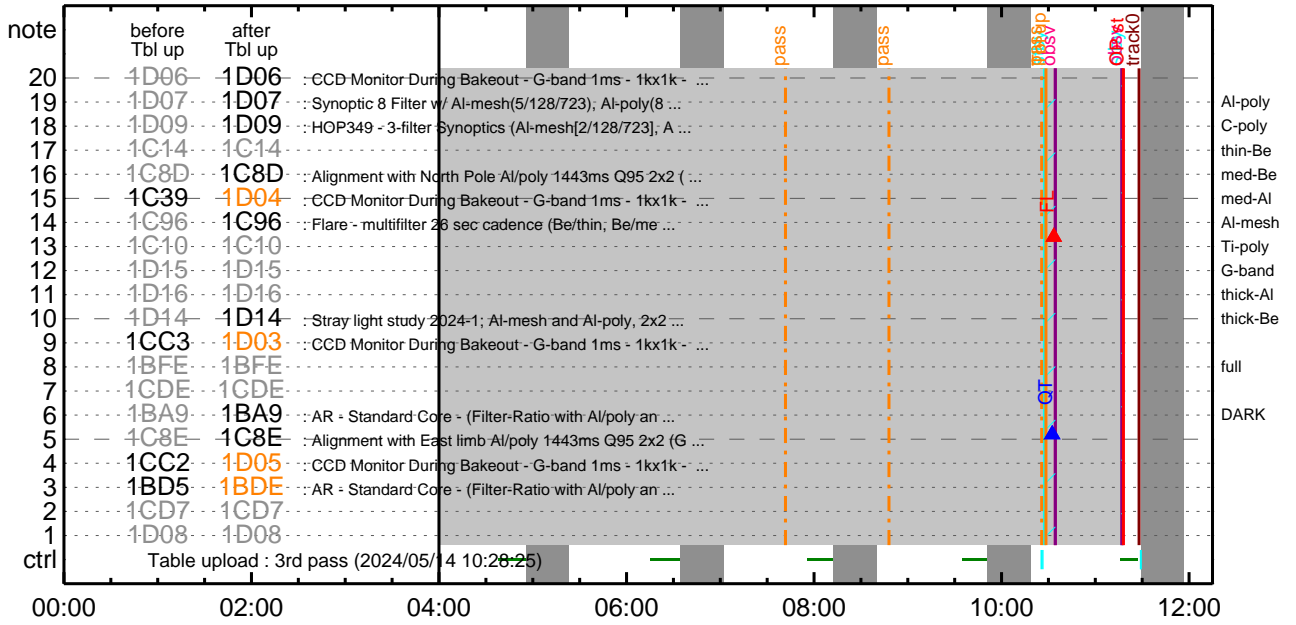
\* \* \* \* \*

**Flare Detection**

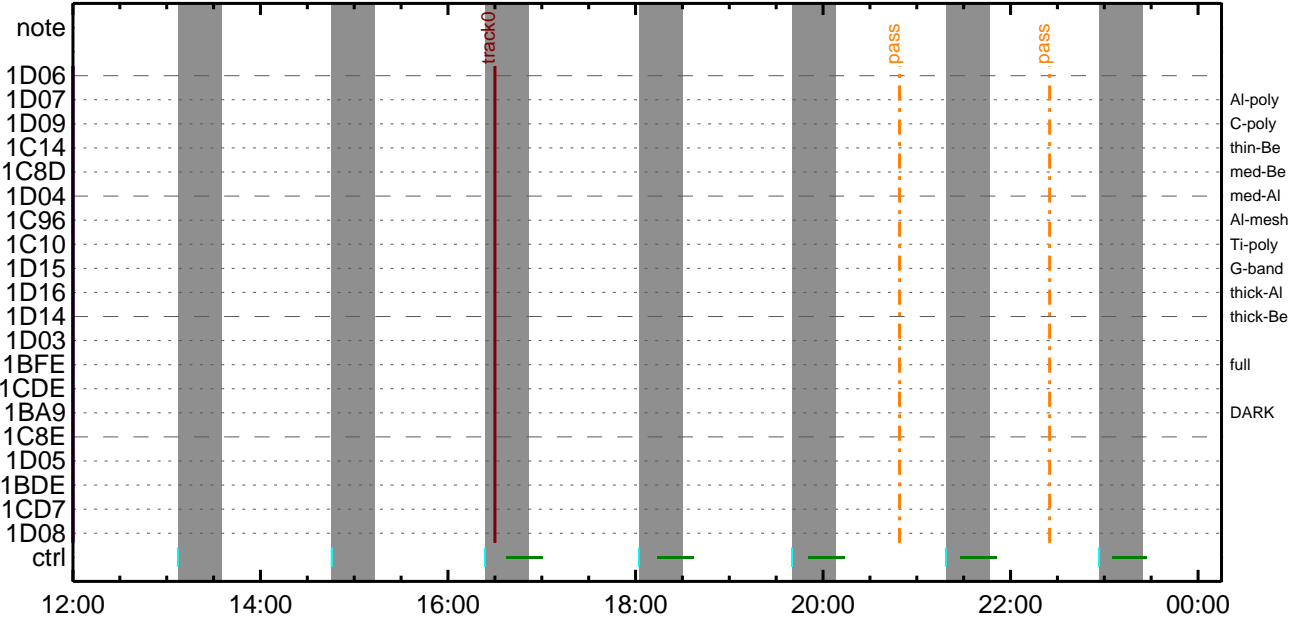
\* \* \* \* \*

<b>FLD Patrol</b>												
Term	Pointing (x, y)	Comment										
05/14 10:29:25 - 05/15 12:42:56	cannot be identified											
05/15 13:30:18 - 05/15 18:20:18	Track ( 352.7, -358.4) @ 05/15 13:30:00	End of synopitcs, AR13676										
05/15 23:15:18 - 05/16 06:36:18	Track ( 425.5, -360.6) @ 05/15 23:15:00	AR13676										
05/16 06:46:18 - 05/18 11:11:00	Track ( 479.0, -362.5) @ 05/16 06:46:00	AR13676										
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50			30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

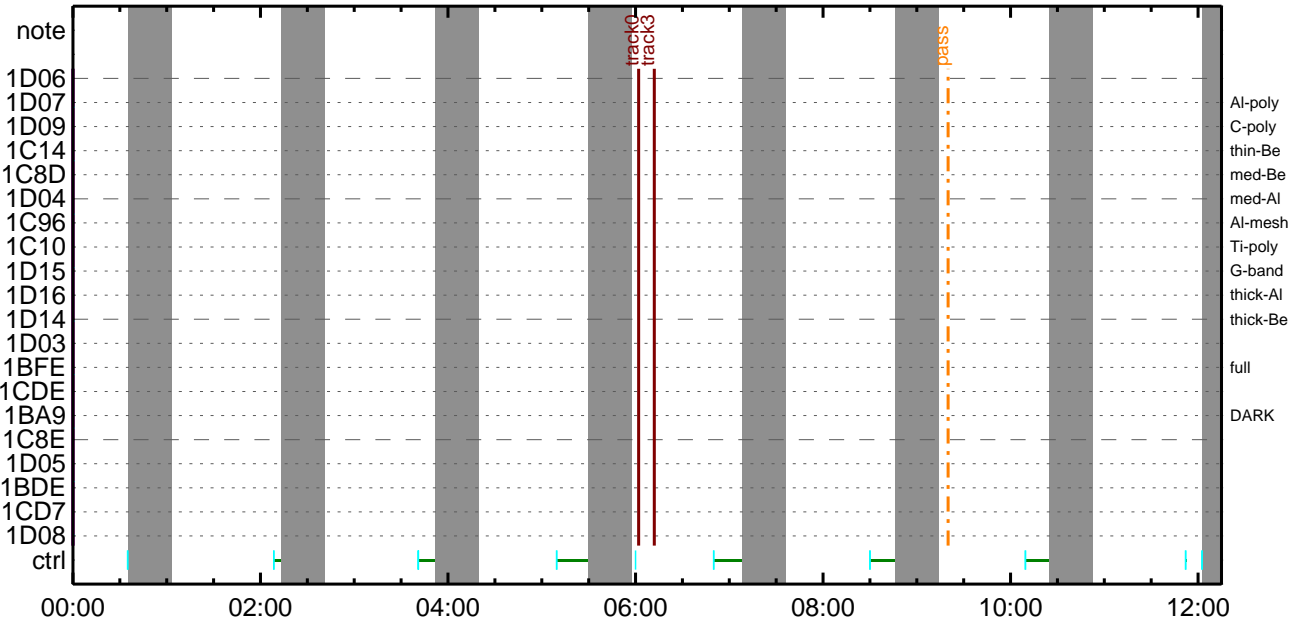
### CMDI #0816 2024/05/14



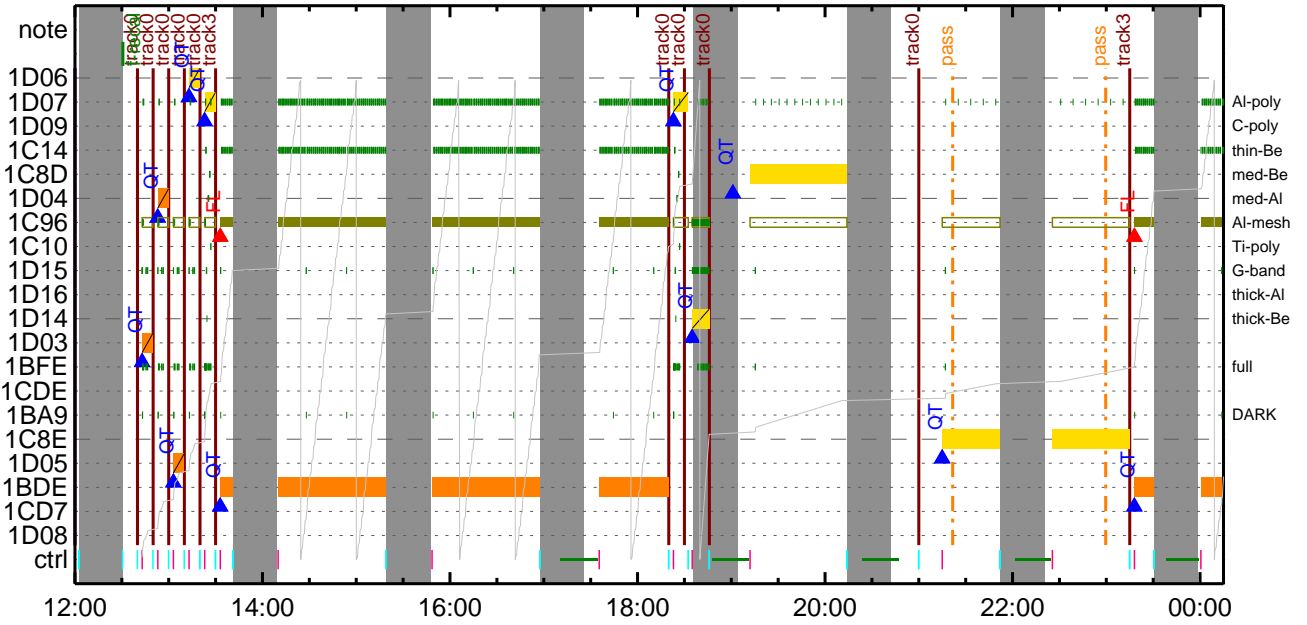
### CMDI #0816 2024/05/14



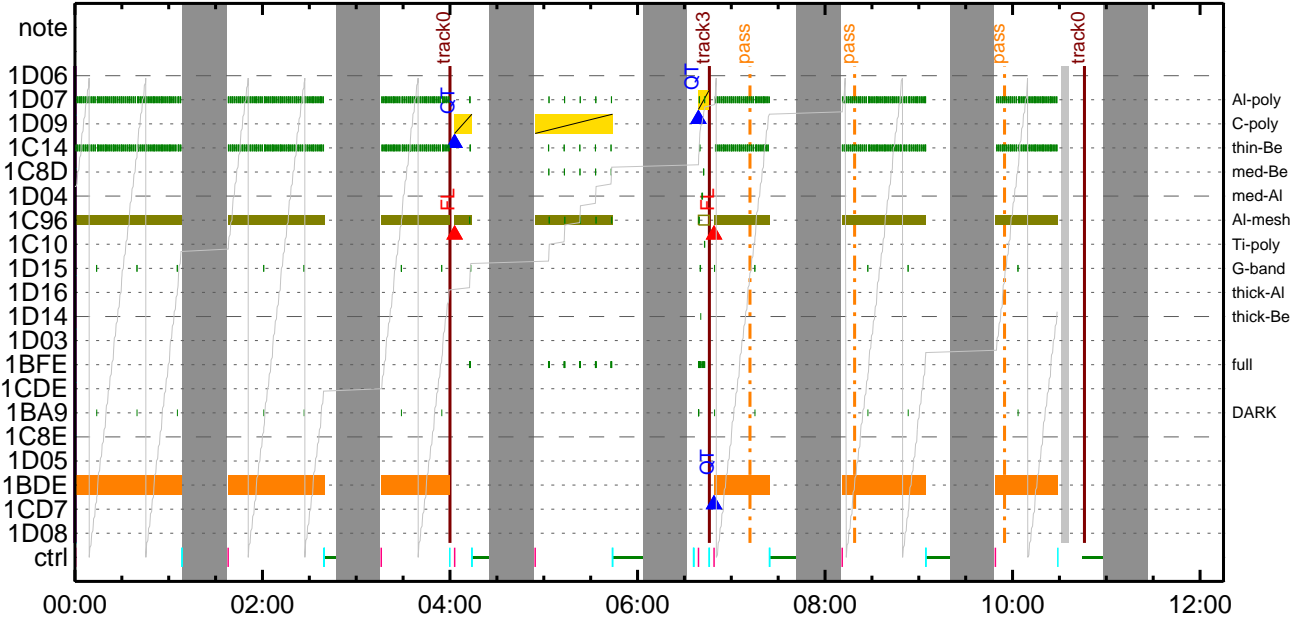
### CMDI #0816 2024/05/15



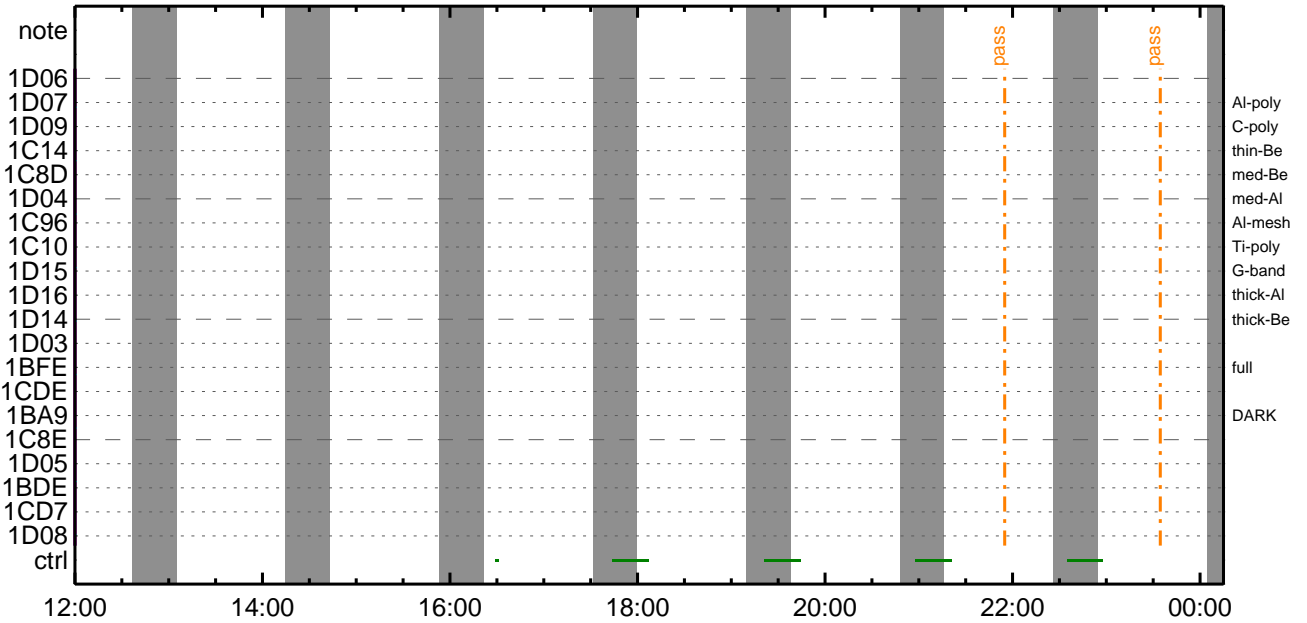
CMDI #0816 2024/05/15



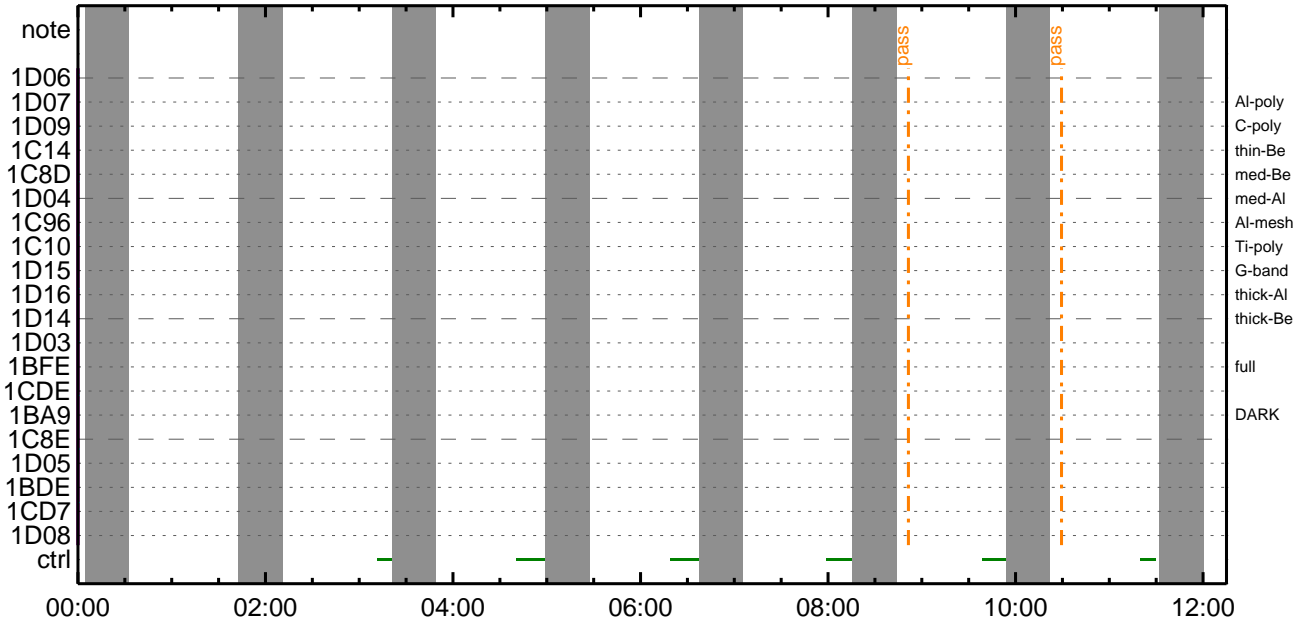
CMDI #0816 2024/05/16



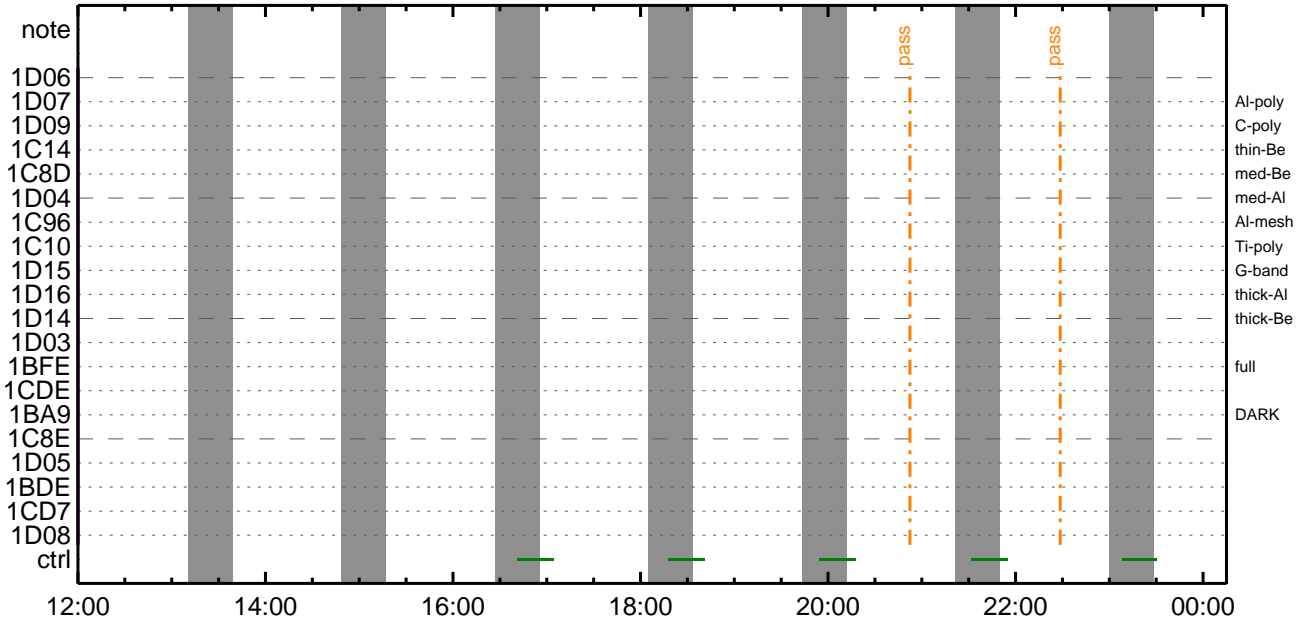
CMDI #0816 2024/05/16



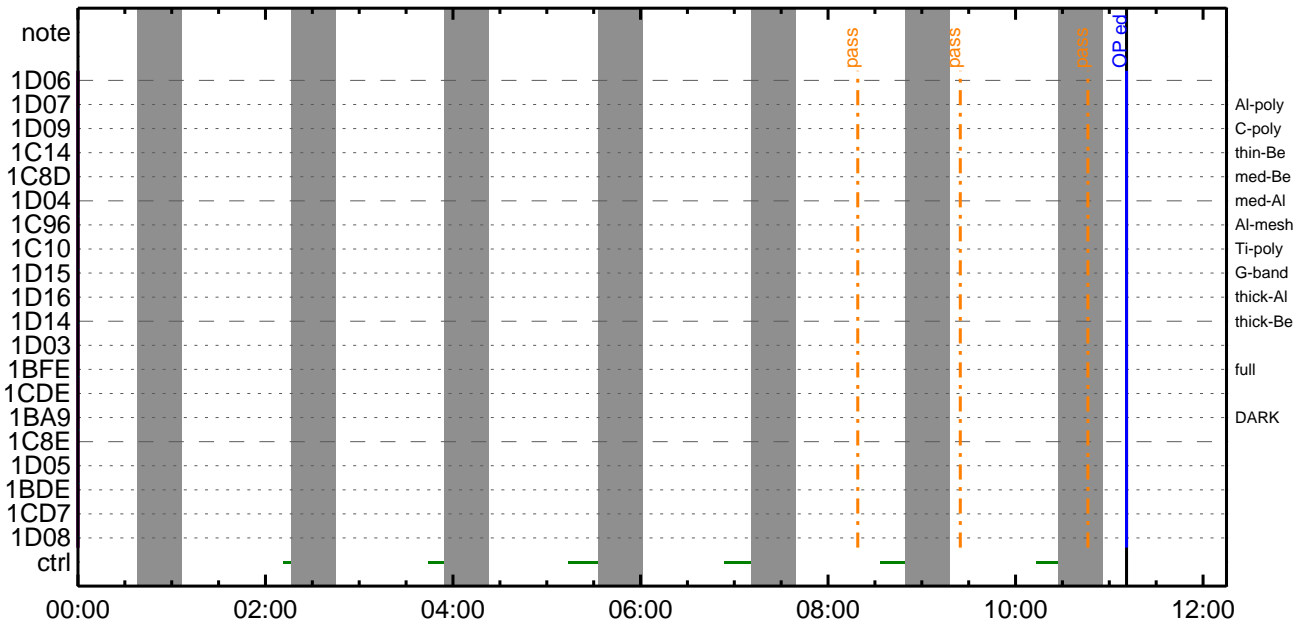
CMDI #0816 2024/05/17



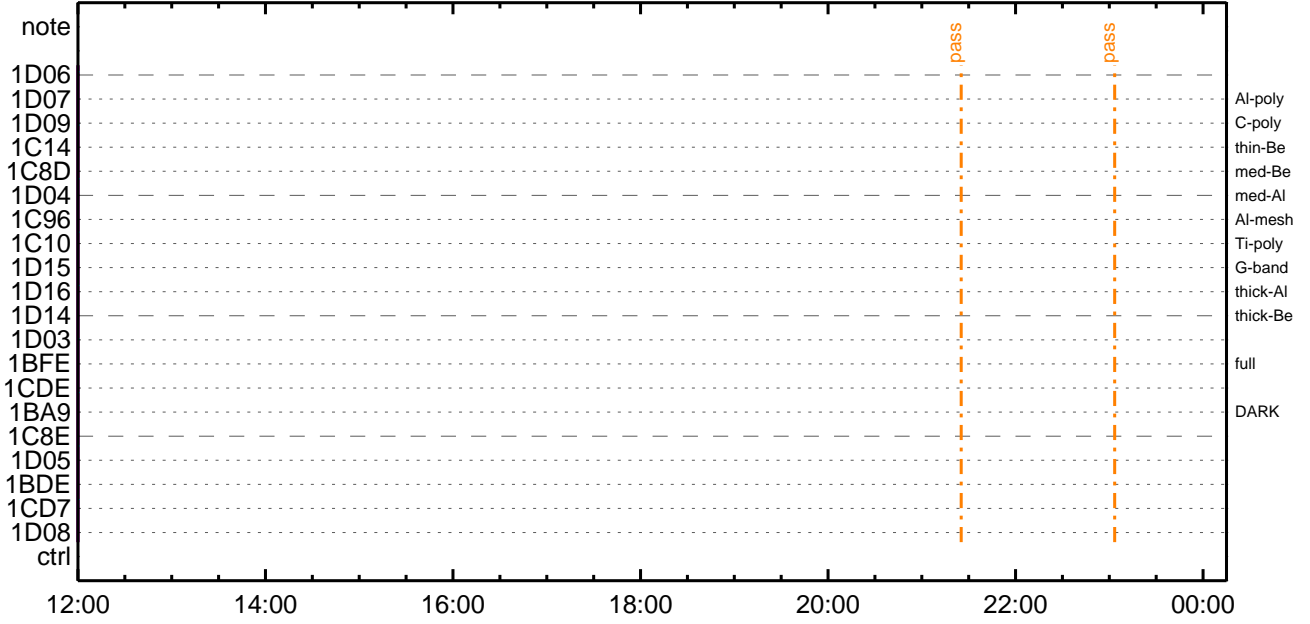
CMDI #0816 2024/05/17



CMDI #0816 2024/05/18



CMDI #0816 2024/05/18





(a) Spacecraft Operation Procedure (real-commands)

```

main-556 2024-05-14 12:10:56 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOS¥Á¥$¥Á¥¯¼Á»Û;ä
0005 C.
0006 C. ¥À¥ß;¼¥³¥Ð¥ó¥ÉÁ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ÊñçªÄñ•µ°®»Í×ÁÇñí¥ç¥Á¥×¥í;¼¥É;ÊÈèµ•ííÊ;ÊñÊ¼°ÇÓñ•ñç¼í¹Çñí;çÀ®, ùñ¹ñèñÐñÇÁ÷ç®ñ•ñÈñññ³ñÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OG¥í;¼¥É;¼¥ó¥×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OG¥í;¼¥É;ä
0019 . S. OP op-556:OP
0020 ()
0021 . S. OG og-556:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPíî°è¥Á¥ó¥×;ä
0025 C. NMOG(0x200000-0x207FFF;$ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. ¥À¥ó¥×½ªí»ð³íÇ$
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGñí¾Ê¹ç•è²íOKñð³íÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;$ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. ¥À¥ó¥×½ªí»ð³íÇ$
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGñí¾Ê¹ç•è²íOKñð³íÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;$ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. ¥À¥ó¥×½ªí»ð³íÇ$
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPñí¾Ê¹ç•è²íOKñð³íÇ$
0081 C.
0082 . C. ***** °Ê²¼ñí¾Ä¹¶¼°ñÈÈ¬ñ°Á÷ç® (¾ãµ-¥À¥ó¥×¼è½çñðÁÓÃæñÇ½ªñ¬ñè¾¼í¹çñçñä) *****
0083 C. DHU¥ã;¼¥É;Ê¼ý½, ¥í;¼¥É;Êñòíáñ¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;$ OPOG UPLOADñ¬Á÷ç®ñ½¾Ê¹ç;ç°Ê²¼ñí¶¼íTI-CMDÁ÷ç®ñí¾Á¹Ôñ•ñÈñññ³ñÈ;£

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0096 C.          0096
0097 C.          0097
0098 . C.      TI 2024-05-14 11:13:00.0
0099 +. TI 2024-05-14 11:13:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.          0101
0102 C.          0102
0103 +. TI 2024-05-14 11:13:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.          0105
0106 C.          0106
0107 +. TI 2024-05-14 11:13:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.          0109
0110 C.          0110
0111 +. TI 2024-05-14 11:17:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.          0113
0114 C.          0114
0115 C.          0115
0116 C.          0116
0117 C.          0117
0118 C.          0118
0119 C.          0119
0120 C.          0120
0121 . C.      *****
0122 C.      TI 2024-05-14 11:17:59.5
0123 C.      *****
0124 C.          0124
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.          0128
0129 C.          0129
0130 C.          0130
0131 C.          0131
0132 C.          0132
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.          0135
0136 C.          0136
0137 C.          0137
0138 C.          0138
0139 C.          0139
0140 C.          0140
0141 . C.      *****
0142 C.          0142
0143 C.          0143
0144 . C.      RAM ID=TI_TBL(0x03AB00-0x03AEFF);$ 1024byte
0145 C.          0145
0146 . C.      DHU 2024-05-14 11:17:59.5
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.          0149
0150 C.          0150
0151 C.          0151
0152 C.          0152
0153 C.          0153
0154 C.          0154
0155 C.      SOT TI command set
0156 C.      *****
0157 C.      Execute, after the success of OP upload.
0158 +. TI 2024-05-14 11:17:16.0
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.      Stop EIS observation and temporarily disable EIS mode changes
0166 C.          0166
0167 C.          0167
0168 C.      ***** Start EIS operation (TI set) *****
0169 C.      Execute, after the success of OP upload.
0170 C.      Set EIS TI-commands
0171 +. TI 2024-05-14 11:17:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2024-05-14 11:17:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 . C.          [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C.      ***** End EIS operation (TI set) *****
0179 C.          0179
0180 C.          0180
0181 C.          0181
0182 C.      ***** XRT START *****
0183 C.      Execute, after the success of OP upload.
0184 +. TI 2024-05-14 11:17:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC (c3)
0187 . C.          [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0188 C.          0188
0189 C.      ***** XRT END *****
0190 C.          0190
0191 . C.      ***** MDP 2024-05-14 11:17:00.0 *****
0192 C.      (0x03AB00-0x03AEFF);$ 1024byte
0193 . S. DC-BC dcbc-402:DCBC

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0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥Ð¥¹•Ï Daily±;ÍÑ«Ë'Ø«¹«èDCBC•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;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```

main-557 2024-05-14 12:10:56 178 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŚYÁY^-¼Ä»Ü;ä
0005 C.
0006 C. YÀYß;¼Y³YDÝÓYÉÁ÷¿
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èµ¿µÄµ•µ°È»Í×ÁÇµÍYçYÁY×Yí;¼YÉ;ÈÈÈµ•ÍÍÈ;ÈÈÈ¼°ÇÕµ•µ¿¼í¹ÇµÍ;ÇÀ®, ùµ¹µÈµDµÇÁ÷¿µ•µÈµµµ³µÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷¿µ;ON
0016 C. *****
0017 C. Ç“ °ÈÀ, Í×ÈÝµÄLOSµDµÇµÍ»p´Õµò¹ÍÍ, µ•; ÇÉÕÍ×µÈXÁÓONµÍ¹ÕµÈµÍµÈµµµ³µÈ;£
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 +. DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 +. DC 03-95 TCIA_XMOD_QPSK
0024 C.           ÇÇ [HK1_XPA_ON/OFF]           EQ     ON
0025 C.           ÇÇ [HK1_XPA_PWR_HI/LO]       EQ     HI
0026 C.           ÇÇ [HK1_XMOD_ON/OFF]         EQ     ON
0027 C.           ÇÇ [HK1_XMOD_QPSK/PM]        EQ     QPSK
0028 C.
0029 . C. XYDÝÓYÉYÍYÁY^-¼ÔÄÖµ¬°ÄÄÈµ•µ¿µé; Ç°È²¼µÍ°ÈÀ, ¼è½Çµò¼Ä¹Õµ¹µé;£
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÈÀ,
0033 C. *****
0034 C. Ç“ RESTART;ÈPT1;Èµ•µ¿µµ¼í¹ÇµÍ; Ç°È²¼µÍ¼Ä¹Õµ»µ°; ÇDCBC-150µØ¿Èµà;£
0035 C.
0036 . C. ;ãPT1°ÈÀ, ³«»Í;ä
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 +. DC 06-C8 DR_PT1_REP_SEL
0039 BC      (01 00)
0040 +. DC 06-B3 DR_REP_START
0041 +. DC 01-32 DHU_X_VC4_ON
0042 C.           ÇÇ [HK1_REP_PT_1/2]           EQ     PT1   (¼Ä¹Õ, ;¼Ú)
0043 C.           ÇÇ [HK1_REP_STA/STP]         EQ     START (¼Ä¹Õ, ;¼Ú)
0044 C.           ÇÇ [HK1_X_VC4_ON/OFF]        EQ     ON    (¼Ä¹Õ, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYÓYÈYÉÄÜÄØ;ÈÄ•Ä°²óÈò;È, äµÍ°ÈÀ, °È³«;ä
0047 +. DC 06-B3 DR_REP_START
0048 +. DC 01-32 DHU_X_VC4_ON
0049 C.           ÇÇ [HK1_REP_PT_1/2]           EQ     PT1   (¼Ä¹Õ, ;¼Ú)
0050 C.           ÇÇ [HK1_REP_STA/STP]         EQ     START (¼Ä¹Õ, ;¼Ú)
0051 C.           ÇÇ [HK1_X_VC4_ON/OFF]        EQ     ON    (¼Ä¹Õ, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÈÀ, µ¬¼«°ÈÄ»µµµµµ¿, ä; Ç°È²¼µò¼Ä¹Õµ¹µé;£
0055 C. YÇYÓYÈYÉÄÜÄØµÄÄ•Ä°²óÈòµ¬¼µµ¼í¹ÇµÍ´°Í´°Íµ¹µÈµDµÇÄÕµÄ;£
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÈÀ,
0059 C. *****
0060 C. Ç“ RESTART;ÈPT2;Èµ•µ¿µµ¼í¹ÇµÍ; Ç°È²¼µÍ¼Ä¹Õµ»µ°; ÇDCBC-151µØ¿Èµà;£
0061 C.
0062 . C. ;ãPT2°ÈÀ, ³«»Í;ä
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 +. DC 06-C8 DR_PT2_REP_SEL
0065 BC      (02 00)
0066 +. DC 06-B3 DR_REP_START
0067 +. DC 01-32 DHU_X_VC4_ON
0068 C.           ÇÇ [HK1_REP_PT_1/2]           EQ     PT2   (¼Ä¹Õ, ;¼Ú)
0069 C.           ÇÇ [HK1_REP_STA/STP]         EQ     START (¼Ä¹Õ, ;¼Ú)
0070 C.           ÇÇ [HK1_X_VC4_ON/OFF]        EQ     ON    (¼Ä¹Õ, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYÓYÈYÉÄÜÄØ;ÈÄ•Ä°²óÈò;È, äµÍ°ÈÀ, °È³«;ä
0073 +. DC 06-B3 DR_REP_START
0074 +. DC 01-32 DHU_X_VC4_ON
0075 C.           ÇÇ [HK1_REP_PT_1/2]           EQ     PT2   (¼Ä¹Õ, ;¼Ú)
0076 C.           ÇÇ [HK1_REP_STA/STP]         EQ     START (¼Ä¹Õ, ;¼Ú)
0077 C.           ÇÇ [HK1_X_VC4_ON/OFF]        EQ     ON    (¼Ä¹Õ, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÈÀ, Ää»ß; ÇXÁ÷¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÈÀ, Ää»ß;ä
0084 +. DC 06-B4 DR_REP_STOP
0085 +. DC 01-29 DHU_S/X_VC4_OFF
0086 C.           ÇÇ [HK1_REP_STA/STP]         EQ     STOP
0087 C.           ÇÇ [HK1_S_VC4_ON/OFF]         EQ     OFF
0088 C.           ÇÇ [HK1_X_VC4_ON/OFF]         EQ     OFF
0089 C.
0090 . C. ;ãXÁ÷¿µ;OFF;ä
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 +. DC 03-B5 TCIA_XPA_OFF
0094 C.           ÇÇ [HK1_XMOD_ON/OFF]           EQ     OFF
0095 C.           ÇÇ [HK1_XPA_ON/OFF]           EQ     OFF

```

```

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 = 2704219.0 +- 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 45s
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 2024-05-14 11:17:50.0
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 'úÃî»ö¼ÝñËÄñ¹ëDCBC•x²è *****
0165 C. (¾á°îÿÓÿÄÿËÿÐÿËÿÄÿÇÿËÿÈÿ¼¼Ä»Û¹ë)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** ¼Ðÿ¹•Ï Daily±¿ÍÑë'Øñ¹ëDCBC•x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSÿÁÿSÿÄÿÿ¼Ä»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-558 2024-05-14 12:10:56 224 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYSYÁY~¼Á»Û;ã
0005 C.
0006 C. YÀYß;¼Y³YDYóYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Ëñ¿µÄñ•µ°Æ»Í×ÁÇñÍY¿YÁ×Yí;¼YÉ;ËË½µ•ÍÉ;ËË¼°ÇÖñ•ñ¿¼í¹ÇñÍ; ÇÄ®, ùñ¹ñññPñÇÄ÷¿®ñ•ñËñññ³ñÈ; £
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷¿µ;ON
0016 C. *****
0017 C. °ÆÀ, Í×ËYñÄLOSñPñÇñÍ»p'Öñó¹ÍÍ,ñ•; ÇÉÖÍ×ñËXÁÓONñÍ¹ÖñËñíñËñññ³ñÈ; £
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C.           ÇÇ [HK1_XPA_ON/OFF]          EQ      ON
0025 C.           ÇÇ [HK1_XPA_PWR_HI/LO]      EQ      HI
0026 C.           ÇÇ [HK1_XMOD_ON/OFF]        EQ      ON
0027 C.           ÇÇ [HK1_XMOD_QPSK/PM]       EQ      QPSK
0028 C.
0029 . C. XYDYóYÉYíYÁY~¾óÄÖñ¬°ÄÄêñ•ñ¿; Ç°É²¼ñÍ°ÆÀ, ¼é½Çñó¼Á¹Öñ¹ñÈ; £
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÆÀ,
0033 C. *****
0034 C. °ÆÀ, Í×ËYñÄLOSñPñÇñÍ»p'Öñó¹ÍÍ,ñ•; ÇÉÖÍ×ñËXÁÓONñÍ¹ÖñËñíñËñññ³ñÈ; £
0035 C.
0036 . C. ;ãPT1°ÆÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC          (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C.           ÇÇ [HK1_REP_PT_1/2]          EQ      PT1      (¼Á¹Ö, ;¼Ú)
0043 C.           ÇÇ [HK1_REP_STA/STP]        EQ      START   (¼Á¹Ö, ;¼Ú)
0044 C.           ÇÇ [HK1_X_VC4_ON/OFF]       EQ      ON       (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYÇYóYÉYÉÄÜÄØ; ÊÄ•Ä°²óÈð; Ê, ãñÍ°ÆÀ, °Æ³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C.           ÇÇ [HK1_REP_PT_1/2]          EQ      PT1      (¼Á¹Ö, ;¼Ú)
0050 C.           ÇÇ [HK1_REP_STA/STP]        EQ      START   (¼Á¹Ö, ;¼Ú)
0051 C.           ÇÇ [HK1_X_VC4_ON/OFF]       EQ      ON       (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ¬¼«°Æ°Äá»ññ•ñ¿, á; Ç°É²¼ñó¼Á¹Öñ¹ñÈ; £
0055 C. YÇYóYÉYÉÄÜÄØñÄ•Ä°²óÈðñ¬¶áñ¾¼í¹ÇñÍ'°Í»ñ¹ñññPñÇÄñÄ; £
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÆÀ,
0059 C. *****
0060 C. °ÆÀ, Í×ËYñÄLOSñPñÇñÍ»p'Öñó¹ÍÍ,ñ•; ÇÉÖÍ×ñËXÁÓONñÍ¹ÖñËñíñËñññ³ñÈ; £
0061 C.
0062 . C. ;ãPT2°ÆÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC          (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C.           ÇÇ [HK1_REP_PT_1/2]          EQ      PT2      (¼Á¹Ö, ;¼Ú)
0069 C.           ÇÇ [HK1_REP_STA/STP]        EQ      START   (¼Á¹Ö, ;¼Ú)
0070 C.           ÇÇ [HK1_X_VC4_ON/OFF]       EQ      ON       (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYÇYóYÉYÉÄÜÄØ; ÊÄ•Ä°²óÈð; Ê, ãñÍ°ÆÀ, °Æ³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C.           ÇÇ [HK1_REP_PT_1/2]          EQ      PT2      (¼Á¹Ö, ;¼Ú)
0076 C.           ÇÇ [HK1_REP_STA/STP]        EQ      START   (¼Á¹Ö, ;¼Ú)
0077 C.           ÇÇ [HK1_X_VC4_ON/OFF]       EQ      ON       (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÄ, Äá»ß; ÇXÁ÷¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÄ, Äá»ß;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C.           ÇÇ [HK1_REP_STA/STP]        EQ      STOP
0087 C.           ÇÇ [HK1_S_VC4_ON/OFF]       EQ      OFF
0088 C.           ÇÇ [HK1_X_VC4_ON/OFF]       EQ      OFF
0089 C.
0090 . C. ;ãXÁ÷¿µ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C.           ÇÇ [HK1_XMOD_ON/OFF]          EQ      OFF
0095 C.           ÇÇ [HK1_XPA_ON/OFF]          EQ      OFF
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0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop SP table >
0102 +. DC 07-F0 MDP_SP_CTRL_MANU
0103 BC (61)
0104 C. -----
0105 C. MDP_SP_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload SP Observation Table>
0109 . S. RAM ram-284:MDP_OBS_S
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_S >
0113 +. DC 07-F0 MDP_DUMP_SPTBL
0114 BC (83 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_S verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 C. *****
0120 C. SOT TI command set
0121 C. *****
0122 C. Execute, after the success of TBL upload.
0123 +. TI 2024-05-14 11:17:18.0
0124 DC 07-F0 MDP_SOT_MODE_OBSV
0125 BC (40)
0126 . C. -----
0127 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0128 C. -----
0129 C.
0130 C.
0131 C. ***** XRT START *****
0132 C.
0133 +. DC 07-F0 MDP_XRT_CTRL_MANU
0134 BC (c1)
0135 +. DC 07-F0 MDP_XRT_CTRL_MANU
0136 BC (c1)
0137 + DC 07-F0 MDP_XRT_MODE_STBY
0138 BC (c3)
0139 . C. ----- Success Verify ? OK / NG____
0140 C.
0141 C. XRT Obs. Table Upload
0142 . S. RAM ram-291:MDP_OBS_X
0143 ( )
0144 C.
0145 +. DC 07-F0 MDP_DUMP_XRTTBL
0146 BC (84 07 00 00 00 3a d4)
0147 . C. ----- Comparison Check ? OK / ERR ____
0148 C.
0149 C.
0150 +. DC 07-F0 MDP_XRT_ROI_SET
0151 BC (cd 01 b1 b1 04 04)
0152 + DC 07-F0 MDP_XRT_ROI_SET
0153 BC (cd 02 b1 b1 08 08)
0154 + DC 07-F0 MDP_XRT_ROI_SET
0155 BC (cd 03 b1 b1 08 08)
0156 + DC 07-F0 MDP_XRT_ROI_SET
0157 BC (cd 04 b1 b1 06 06)
0158 + DC 07-F0 MDP_XRT_ROI_SET
0159 BC (cd 05 85 83 06 06)
0160 + DC 07-F0 MDP_XRT_ROI_SET
0161 BC (cd 06 85 83 06 06)
0162 + DC 07-F0 MDP_XRT_ROI_SET
0163 BC (cd 07 c0 c0 10 10)
0164 + DC 07-F0 MDP_XRT_ROI_SET
0165 BC (cd 08 80 80 20 20)
0166 + DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 09 40 c0 10 10)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 0a 40 40 10 10)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 0b c0 40 10 10)
0172 + DC 07-F0 MDP_XRT_ROI_SET
0173 BC (cd 0c 80 80 20 08)
0174 + DC 07-F0 MDP_XRT_ROI_SET
0175 BC (cd 0d 80 80 08 20)
0176 + DC 07-F0 MDP_XRT_ROI_SET
0177 BC (cd 0e 80 80 06 06)
0178 + DC 07-F0 MDP_XRT_ROI_SET
0179 BC (cd 0f 80 80 06 06)
0180 + DC 07-F0 MDP_XRT_ROI_SET
0181 BC (cd 10 80 80 08 08)
0182 + DC 07-F0 MDP_XRT_FLD_ENA
0183 BC (d8)
0184 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0185 BC (c8)
0186 + DC 07-F0 MDP_XRT_ARS_DIS
0187 BC (d5)
0188 + DC 07-F0 MDP_XRT_AEC_RESET
0189 BC (d0)
0190 + DC 07-F0 MDP_XRT_FLD_RESET
0191 BC (da)
0192 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0193 BC (c4 06)

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0194 +. DC 07-F0 MDP\_XRT\_FL\_PROG\_SET  
0195 BC (c5 0e)  
0196 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0197 C.  
0198 C.  
0199 . C. All OK? Yes--> Please Proceed. / No --> Stop here.  
0200 C.  
0201 +. DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0202 BC (c2)  
0203 +. TI 2024-05-14 11:17:02.0  
0204 DC 07-F0 MDP\_XRT\_MODE\_OBSV  
0205 BC (c2)  
0206 . C. ----- Success Verify ? OK / NG \_\_\_\_  
0207 C.  
0208 C. \*\*\*\*\* XRT END \*\*\*\*\*  
0209 C.  
0210 . C. \*\*\*\*\* MDP 'ûÃÎ»ö¼ÝÈÄÐ±¹èDCBC•x²è \*\*\*\*\*  
0211 C. (¾â°îÿÓŸÄŸÉŸÐŸÈŸÁŸçŸéÈ¼¼¼¼»Ü±¹è)  
0212 . S. DC-BC dcbc-402:DCBC  
0213 (MDP\_known\_event)  
0214 C.  
0215 C.  
0216 . C. \*\*\*\*\* ŸÐŸ¹•Ï Daily±¿ÍÑÈ'Ø±¹èDCBC•x²è \*\*\*\*\*  
0217 . S. DC-BC dcbc-153:DCBC  
0218 (SPECIAL-CMD\_DAILY\_OPERATIN\_DCB)  
0219 C.  
0220 C.  
0221 . C. ;ãLOSŸÁŸSŸÄŸ¹¼Ä»Ü;ã  
0222 C.  
0223 . C. \*\*\*\*\* LOS \*\*\*\*\*  
0224 C.



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

2024/05/14	11:28:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	00	56	a7	01 db
2024/05/14	11:29:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	11:29:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	11:29:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	11:29:06.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	11:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	13:07:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	13:07:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	13:07:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	13:07:06.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	13:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	14:45:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	14:45:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	14:45:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	14:45:36.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	14:48:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	16:23:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	16:23:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	16:23:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	16:23:36.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	16:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	16:30:00.0	AOCS_Ore-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00	21	3f	b2 7f
2024/05/14	18:02:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	18:02:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	18:02:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	18:02:06.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	18:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	19:40:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	19:40:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	19:40:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	19:40:06.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	19:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	21:18:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	21:18:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	21:18:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	21:18:36.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	21:21:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/14	22:56:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	22:56:32.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/14	22:56:34.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/14	22:56:36.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0				e8
2024/05/14	22:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0				e9
2024/05/15	00:35:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/15	00:35:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0				c1
2024/05/15	00:35:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0				da
2024/05/15	00:35:06.0	XRT_PREFLR_STRT_403_OG [0x193]						

2024/05/15	00:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
			MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	02:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	02:08:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	02:08:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	02:08:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	02:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	03:41:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	03:41:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	03:41:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	03:41:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	03:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	05:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	05:09:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	05:09:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	05:09:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	05:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	06:00:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	06:00:02.0	XRT_TCIB_XRT_S_HTR_A_DIS_432_OG [0x1b0]	TCIB_XRT_S_HTR_A_DIS	0	04-C0		
2024/05/15	06:02:00.0	AOCS_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2024/05/15	06:12:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	03 04 e5 01 db	
2024/05/15	06:50:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	06:50:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	06:50:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	06:50:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	06:53:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	08:30:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	08:30:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	08:30:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	08:30:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	08:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	10:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	10:09:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	10:09:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	10:09:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	10:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	11:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	11:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	11:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	11:52:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	11:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	12:02:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	12:02:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	12:02:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	12:02:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	12:05:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	12:30:30.0	XRT_CTRL_MANU_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

2024/05/15	12:30:40.0	XRT_FOCUS_RECALIBRATE_405_OG [0x195] XRT_FOCUS_RECAL	2	07-F8	78	00
2024/05/15	12:34:40.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2024/05/15	12:39:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	12:39:56.0	XRT_FOCUS_POSITION_445_OG [0x1bd] XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/05/15	12:40:00.0	AOCS_ORe-point_Start_5_OG [0x09b] AOCU_NM	5	02-76	00	2e f9 2e f9
2024/05/15	12:42:52.0	XRT_ARS_DIS_427_OG [0x1ab] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/15	12:42:54.0	XRT_FLRCTRL_DIS_449_OG [0x1c1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/05/15	12:42:56.0	XRT_FLD_DIS_446_OG [0x1be] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/05/15	12:42:58.0	XRT_QT_PROG_SET_443_OG [0x1bb] MDP_XRT_QT_PROG_SET	2	07-F0	c4	09
2024/05/15	12:43:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	12:49:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	12:49:56.0	XRT_FOCUS_POSITION_445_OG [0x1bd] XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/05/15	12:50:00.0	AOCS_ORe-point_Start_6_OG [0x09c] AOCU_NM	5	02-76	00	2e f9 d1 07
2024/05/15	12:52:52.0	XRT_ARS_DIS_427_OG [0x1ab] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/15	12:52:54.0	XRT_FLRCTRL_DIS_449_OG [0x1c1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/05/15	12:52:56.0	XRT_FLD_DIS_446_OG [0x1be] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/05/15	12:52:58.0	XRT_QT_PROG_SET_431_OG [0x1af] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2024/05/15	12:53:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	12:59:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	12:59:56.0	XRT_FOCUS_POSITION_445_OG [0x1bd] XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/05/15	13:00:00.0	AOCS_ORe-point_Start_7_OG [0x09d] AOCU_NM	5	02-76	00	d1 07 d1 07
2024/05/15	13:02:52.0	XRT_ARS_DIS_427_OG [0x1ab] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/15	13:02:54.0	XRT_FLRCTRL_DIS_449_OG [0x1c1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/05/15	13:02:56.0	XRT_FLD_DIS_446_OG [0x1be] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/05/15	13:02:58.0	XRT_QT_PROG_SET_418_OG [0x1a2] MDP_XRT_QT_PROG_SET	2	07-F0	c4	04
2024/05/15	13:03:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	13:09:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	13:09:56.0	XRT_FOCUS_POSITION_445_OG [0x1bd] XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/05/15	13:10:00.0	AOCS_ORe-point_Start_8_OG [0x09e] AOCU_NM	5	02-76	00	d1 07 2e f9
2024/05/15	13:12:52.0	XRT_ARS_DIS_427_OG [0x1ab] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/15	13:12:54.0	XRT_FLRCTRL_DIS_449_OG [0x1c1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/05/15	13:12:56.0	XRT_FLD_DIS_446_OG [0x1be] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/05/15	13:12:58.0	XRT_QT_PROG_SET_407_OG [0x197] MDP_XRT_QT_PROG_SET	2	07-F0	c4	14
2024/05/15	13:13:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	13:19:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	13:19:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	13:19:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/05/15	13:20:00.0	AOCS_ORe-point_Start_3_OG [0x099] AOCU_NM	5	02-76	00	00 00 00 00
2024/05/15	13:20:18.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/05/15	13:20:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/05/15	13:20:22.0	XRT_ARS_DIS_435_OG [0x1b3] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/15	13:22:58.0	XRT_QT_PROG_SET_401_OG [0x191] MDP_XRT_QT_PROG_SET	2	07-F0	c4	13
2024/05/15	13:23:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	13:29:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	13:29:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	13:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2024/05/15	13:30:00.0	AOCS_ORe-point_Start_4_OG [0x09a]				

2024/05/15	13:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03	04	e5	01	db
		MDP_XRT_FLD_ENA		1	07-F0			d8		
2024/05/15	13:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0			c8		
		MDP_XRT_FLRCTRL_ENA		1	07-F0			d0		
2024/05/15	13:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0			d0		
		MDP_XRT_AEC_RESET		1	07-F0			d5		
2024/05/15	13:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0			d5		
		MDP_XRT_ARS_DIS		1	07-F0			da		
2024/05/15	13:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]		1	07-F0			da		
		MDP_XRT_FLD_RESET		2	07-F0			c4	03	
2024/05/15	13:32:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]		2	07-F0			c4	03	
		MDP_XRT_QT_PROG_SET		2	07-F0			c5	0e	
2024/05/15	13:32:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		2	07-F0			c5	0e	
		MDP_XRT_FL_PROG_SET		1	07-F0			c0		
2024/05/15	13:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0			c0		
		MDP_XRT_CTRL_AUTO		1	07-F0			c1		
2024/05/15	13:41:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			c1		
2024/05/15	13:41:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			da		
2024/05/15	13:41:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0			da		
		MDP_XRT_FLD_RESET		1	07-F0			e8		
2024/05/15	13:41:06.0	XRT_PREFLR_STRT_403_OG [0x193]		1	07-F0			e8		
		MDP_XRT_PREFLR_STRT		1	07-F0			e9		
2024/05/15	13:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0			e9		
		MDP_XRT_PREFLR_STOP		1	07-F0			c0		
2024/05/15	14:09:00.0	XRT_Custom_430_OG [0x1ae]		1	07-F0			c0		
2024/05/15	14:10:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0			c1		
		MDP_XRT_CTRL_AUTO		1	07-F0			c1		
2024/05/15	15:19:00.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			c1		
2024/05/15	15:19:02.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			da		
2024/05/15	15:19:04.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0			da		
		MDP_XRT_FLD_RESET		1	07-F0			e8		
2024/05/15	15:19:06.0	XRT_PREFLR_STRT_403_OG [0x193]		1	07-F0			e8		
		MDP_XRT_PREFLR_STRT		1	07-F0			e9		
2024/05/15	15:22:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0			e9		
		MDP_XRT_PREFLR_STOP		1	07-F0			c0		
2024/05/15	15:47:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0			c0		
2024/05/15	15:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0			c1		
		MDP_XRT_CTRL_AUTO		1	07-F0			c1		
2024/05/15	16:57:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			c1		
2024/05/15	16:57:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			da		
2024/05/15	16:57:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0			da		
		MDP_XRT_FLD_RESET		1	07-F0			e8		
2024/05/15	16:57:36.0	XRT_PREFLR_STRT_403_OG [0x193]		1	07-F0			e8		
		MDP_XRT_PREFLR_STRT		1	07-F0			e9		
2024/05/15	17:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0			e9		
		MDP_XRT_PREFLR_STOP		1	07-F0			c0		
2024/05/15	17:34:30.0	XRT_Custom_430_OG [0x1ae]		1	07-F0			c0		
2024/05/15	17:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]		1	07-F0			c1		
		MDP_XRT_CTRL_AUTO		1	07-F0			c1		
2024/05/15	18:19:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			c1		
2024/05/15	18:19:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		4	07-F8	22	ff	aa	00	
2024/05/15	18:20:00.0	XRT_FOCUS_POSITION_406_OG [0x196]		4	07-F8	22	ff	aa	00	
		MDP_XRT_FOCUS_POSITION		5	02-76	00	00	00	00	00
2024/05/15	18:20:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00	00	00	00	00
		MDP_XRT_FLD_DIS		1	07-F0			d9		
2024/05/15	18:20:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0			c9		
		MDP_XRT_FLRCTRL_DIS		1	07-F0			d5		
2024/05/15	18:20:22.0	XRT_ARS_DIS_435_OG [0x1b3]		1	07-F0			d5		
		MDP_XRT_ARS_DIS		2	07-F0			c4	13	
2024/05/15	18:22:58.0	XRT_QT_PROG_SET_401_OG [0x191]		2	07-F0			c4	13	
		MDP_XRT_QT_PROG_SET		1	07-F0			c0		
2024/05/15	18:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0			c0		
		MDP_XRT_CTRL_AUTO		5	02-76	00	2e	f9	d1	07
2024/05/15	18:30:00.0	AOCs_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	2e	f9	d1	07
		MDP_XRT_CTRL_AUTO		1	07-F0			c1		
2024/05/15	18:32:30.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		1	07-F0			c1		
2024/05/15	18:32:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c1		
		MDP_XRT_CTRL_MANU		4	07-F8	22	ff	aa	00	
2024/05/15	18:32:34.0	XRT_FOCUS_POSITION_406_OG [0x196]		4	07-F8	22	ff	aa	00	
		MDP_XRT_FOCUS_POSITION		1	07-F0			d9		
2024/05/15	18:32:54.0	XRT_FLD_DIS_442_OG [0x1ba]		1	07-F0			d9		
		MDP_XRT_FLD_DIS		1	07-F0			c9		
2024/05/15	18:34:54.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0			c9		
		MDP_XRT_FLRCTRL_DIS		1	07-F0			d5		
2024/05/15	18:34:56.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0			d5		
		MDP_XRT_ARS_DIS		2	07-F0			c4	0a	
2024/05/15	18:34:58.0	XRT_QT_PROG_SET_416_OG [0x1a0]		2	07-F0			c4	0a	
		MDP_XRT_QT_PROG_SET		1	07-F0			c0		
2024/05/15	18:35:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0			c0		
		MDP_XRT_CTRL_AUTO		1	07-F0			c0		
2024/05/15	18:45:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0			c0		

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2024/05/15	18:45:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	18:45:58.0	XRT_ROI_A_404_OG [0x194]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
			MDP_XRT_ROI_SET	6	07-F0	cd	05	85	83 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	06	85	83 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	07	80	60 20 18
			MDP_XRT_ROI_SET	6	07-F0	cd	08	80	80 20 20
			MDP_XRT_ROI_SET	6	07-F0	cd	09	a0	80 18 20
			MDP_XRT_ROI_SET	6	07-F0	cd	0a	80	80 08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0c	80	80 20 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0d	80	80 08 20
2024/05/15	18:45:58.5	XRT_ROI_B_436_OG [0x1b4]	MDP_XRT_ROI_SET	6	07-F0	cd	0d	80	80 08 20
			MDP_XRT_ROI_SET	6	07-F0	cd	0f	80	80 06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	10	80	80 08 08
2024/05/15	18:46:00.0	AOCS_ORe-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00	ad	59	00 00
2024/05/15	18:46:03.5	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2024/05/15	18:46:23.5	XRT_FLD_DIS_428_OG [0x1ac]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2024/05/15	19:00:59.5	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2024/05/15	19:01:01.5	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/05/15	19:01:03.5	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	10		
2024/05/15	19:11:00.0	XRT_Custom_430_OG [0x1ae]							
2024/05/15	19:12:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/05/15	20:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	20:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	20:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2024/05/15	20:14:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/05/15	20:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2024/05/15	20:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	20:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	20:59:58.0	XRT_FOCUS_POSITION_426_OG [0x1aa]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2024/05/15	21:00:00.0	AOCS_ORe-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00	00	00	56 35
2024/05/15	21:00:18.0	XRT_FLD_DIS_428_OG [0x1ac]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2024/05/15	21:14:54.0	XRT_ARS_DIS_427_OG [0x1ab]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/05/15	21:14:56.0	XRT_FLRCTRL_DIS_449_OG [0x1c1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2024/05/15	21:14:58.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	05		
2024/05/15	21:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/05/15	21:52:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	21:52:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	21:52:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2024/05/15	21:52:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/05/15	21:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2024/05/15	22:24:30.0	XRT_Custom_430_OG [0x1ae]							
2024/05/15	22:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/05/15	23:14:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	23:14:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/05/15	23:14:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2024/05/15	23:15:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	03	04	e5	01 db
2024/05/15	23:15:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/05/15	23:15:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/05/15	23:15:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/05/15	23:15:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/05/15	23:15:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2024/05/15	23:17:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03		
2024/05/15	23:17:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]							

2024/05/15	23:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/15	23:30:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	23:30:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/15	23:30:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/15	23:30:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/15	23:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/15	23:59:30.0	XRT_Custom_430_OG [0x1ae]					
2024/05/16	00:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/16	01:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	01:08:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	01:08:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/16	01:08:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/16	01:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/16	01:37:00.0	XRT_Custom_430_OG [0x1ae]					
2024/05/16	01:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/16	02:39:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	02:39:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	02:39:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/16	02:39:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/16	02:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/16	03:15:00.0	XRT_Custom_430_OG [0x1ae]					
2024/05/16	03:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/16	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	03:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2024/05/16	04:00:00.0	AOCs_OrE-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00	
2024/05/16	04:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/05/16	04:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/05/16	04:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/05/16	04:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/05/16	04:00:24.0	XRT_FLD_RESET_438_OG [0x1b6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/16	04:02:56.0	XRT_QT_PROG_SET_444_OG [0x1bc]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12	
2024/05/16	04:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e	
2024/05/16	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/16	04:14:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	04:14:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	04:14:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/16	04:14:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/16	04:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/16	04:53:30.0	XRT_Custom_430_OG [0x1ae]					
2024/05/16	04:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/05/16	05:44:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	05:44:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	05:44:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/05/16	05:44:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/05/16	05:47:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/05/16	06:35:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	06:35:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/05/16	06:35:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	

2024/05/16	06:36:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2024/05/16	06:36:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2024/05/16	06:36:22.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/05/16	06:38:58.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
2024/05/16	06:39:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/05/16	06:45:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	06:45:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	06:45:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2024/05/16	06:46:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	03 04	e5 01 db	
2024/05/16	06:46:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2024/05/16	06:46:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2024/05/16	06:46:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2024/05/16	06:46:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/05/16	06:46:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/05/16	06:48:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03	
2024/05/16	06:48:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e	
2024/05/16	06:49:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/05/16	07:24:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	07:24:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	07:24:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/05/16	07:24:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2024/05/16	07:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/05/16	08:10:00.0	XRT_Custom_430_OG [0x1ae]						
2024/05/16	08:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/05/16	09:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	09:04:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	09:04:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/05/16	09:04:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2024/05/16	09:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/05/16	09:48:00.0	XRT_Custom_430_OG [0x1ae]						
2024/05/16	09:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/05/16	10:29:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/05/16	10:46:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00		