

XRT Timeline to be uploaded on 2022/05/10

Period: 2022/05/10 11:14:00 - 2022/05/14 11:57:00

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Normal mode

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XOB #1CB8: AR-(filter ratio Al/poly thin-Be), 256x256 at 1064 1048, with G-band 1ms, PFB, 30s cad												
Term	Pointing (x, y)							Comment				
05/10 11:27:00 - 05/10 13:49:30	Track (-7.4, -471.9) @ 05/10 11:24:00	# OP start + 10min HOP 422 AR 13006 obs. 7:30-13 UT										
05/11 08:19:30 - 05/11 12:46:30	Track (143.6, -474.1) @ 05/11 07:30:00	HOP 422 AR 13006 obs.										
PROG= 15 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 35 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 512x512 (1064, 1048) DPCM 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 512x512 (1064, 1048) DPCM 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 16.0s Obs 1x1 512x512 (1064, 1048) Q=98 0 0 2.0sec												
└─ Subr= 2 240-time(s) 30.0sec												
└─ Seqn= 41 1-time(s) 2.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 1.00s Obs 1x1 256x256 (1064, 1048) Q=95 1 0 2.0sec												
└─ Open/Al-mesh thin-Be/Open close Safe Norm 500ms Obs 1x1 256x256 (1064, 1048) Q=95 1 0 2.0sec												
└─ Seqn= 62 1-time(s) 2.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 500ms Obs 1x1 256x256 (1064, 1048) Q=95 1 1 2.0sec												
└─ med-Be/Open Open/thick-Al close Safe Norm 1.00s Obs 1x1 256x256 (1064, 1048) Q=95 1 1 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1CDE: HOP393/336 - 4x4 - Full Sun double long/short pair AEC 2/3 - Al-poly - Dark (512ms) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 7												
Term	Pointing (x, y)							Comment				
05/10 14:17:00 - 05/10 16:49:54	Track (-33.6, 554.1) @ 05/10 14:00:00	HOP 336 North										
05/10 17:43:00 - 05/10 20:23:00	Track (-32.7, -605.9) @ 05/10 17:15:00	HOP 336 South										
PROG= 06 Inf.-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 30 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 512x512 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 52 1-time(s) 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) DPCM 0 0 2.0sec												
└─ Subr= 2 30-time(s) 720.0sec												
└─ Seqn= 97 2-time(s) 2.0sec												
└─ Al-poly/Open med-Be/Open close Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024) Q=98 3 0 2.0sec												
└─ Al-poly/Open med-Be/Open close Safe Norm 500ms Obs 4x4 2048x2048 (1024, 1024) DPCM 2 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1CC7: Synoptic Q95 2x2 - Al/mesh(2/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(12/181/1443) + Thi												
Term	Pointing (x, y)							Comment				
05/10 16:53:00 - 05/10 17:03:00	Fixed (0.0, 0.0)	synoptic										
05/11 05:29:30 - 05/11 05:36:24	Fixed (0.0, 0.0)	synoptic, shifted -33.5 min										
05/11 17:28:00 - 05/11 17:38:30	Fixed (0.0, 0.0)	synoptic										
05/12 06:03:30 - 05/12 06:10:24	Fixed (0.0, 0.0)	synoptic, shifted 0.5 min										
PROG= 17 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 5 1-time(s) 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024) Q=98 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024) DPCM 0 0 2.0sec												
└─ Open/Ti-poly Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024) DPCM 0 0 2.0sec												
└─ Seqn= 55 1-time(s) 2.0sec												
└─ 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												
└─ Seqn= 15 1-time(s) 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 12ms 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= 79 1-time(s) 2.0sec												
└─ 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												
└─ Seqn= 23 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1CDC: Stray light study 2022-01; Al-mesh and Al-poly, 2x2 full FOV(1min-cad) and 1x1 384 on AR(10sec-cad)												
Term	Pointing (x, y)							Comment				
05/10 17:05:30 - 05/10 17:14:54	Fixed (-945.0, 0.0)	XRT stray light mes. at the E-limb										
05/11 17:41:00 - 05/11 17:50:54	Fixed (-650.0, 400.0)	XRT stray light measurement NE quadrant										

PROG= 10 1-time(s)													
└ Subr= 2 16-time(s) 2.0sec													
└ Seqn= 95 1-time(s) 10.0sec													
	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
└ Subr= 3 8-time(s) 2.0sec													
└ Seqn= 20 1-time(s) 2.0sec													
	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
└ Seqn= 95 3-time(s) 10.0sec													
	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
05/10 20:45:00 - 05/10 22:29:54	Fixed (0.0, 930.0)	Co-alignment program run at N-limb
PROG= 16 1-time(s)		
└ Subr= 1 1-time(s) 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
└ Subr= 2 24-time(s) 300.0sec		
└ Seqn= 69 1-time(s) 2.0sec		
	Al-poly/Open	med-Be/Open close Safe Norm 1.41s Obs 2x2 2048x1536 (1024, 768) 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
05/10 22:45:00 - 05/11 00:29:54	Fixed (-970.0, 0.0)	Co-alignment program run at E-limb
PROG= 19 1-time(s)		
└ Subr= 1 1-time(s) 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
└ Subr= 2 15-time(s) 480.0sec		
└ Seqn= 70 1-time(s) 2.0sec		
	Al-poly/Open	med-Be/Open close Safe Norm 1.41s Obs 2x2 1536x2048 (1280, 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 #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
05/11 00:33:06 - 05/11 03:59:54	Track (91.4, -473.2) @ 05/11 00:30:00	AR 13006 tracking
05/11 05:39:30 - 05/11 07:29:54	Track (129.6, -473.8) @ 05/11 05:36:30	AR 13006 tracing
05/11 13:14:30 - 05/11 17:24:54	Track (184.2, -474.9) @ 05/11 13:00:00	AR 13006 tracking
05/11 18:18:00 - 05/12 03:21:00	Track (219.5, -475.7) @ 05/11 17:51:00	AR 13006 tracking
PROG= 11 Inf.-time(s)		
└ Subr= 1 1-time(s) 2.0sec		
└ Seqn= 92 1-time(s) 2.0sec		
	Open/G-band	Open/G-band open Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
	Open/G-band	Open/G-band close Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
	Open/Ti-poly	Open/thick-Al close Safe Dark 16.0s Obs 1x1 2048x1536 (1024, 768) Q=98 0 0 2.0sec
└ Subr= 2 4-time(s) 2.0sec		
└ Seqn= 47 1-time(s) 2.0sec		
	Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 2 0 2.0sec
	Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
	thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 2 0 2.0sec
	thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
└ Seqn= 77 4-time(s) 300.0sec		
	Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 0 2.0sec
	thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 0 95.0sec
	Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 1 2.0sec
	thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 1 95.0sec
	Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 2 2.0sec
	thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 2 2.0sec
	Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1CD0: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[12/181/1443], thin-Be[24/512/3897] with 512x512 G-band+Leak - 300min cad) + CME w

Term	Pointing (x, y)	Comment
05/11 04:03:00 - 05/11 05:26:24	Fixed (0.0, 0.0)	HOP 349
05/12 04:03:00 - 05/12 06:00:24	Fixed (0.0, 0.0)	HOP 349
PROG= 01 Inf.-time(s)		
└ Subr= 1 1-time(s) 300.0sec		
└ Seqn= 55 1-time(s) 2.0sec		
	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
Seqn= 15 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	12ms	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= 79 1-time(s) 2.0sec												
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
Seqn= 30 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 20-time(s) 900.0sec												
Seqn= 8 1-time(s) 2.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 74 1-time(s) 2.0sec												
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
Seqn= 6 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1CD7: 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
05/12 06:13:30 - 05/12 07:29:54	Track (306.8, -478.1) @ 05/12 06:10:30	AR 13006 tracking
PROG= 02 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 92 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 16.0s Obs 1x1 2048x1536 (1024, 768) 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 2048x1536 (1024, 768) Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 2 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
Seqn= 96 4-time(s) 180.0sec		
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) 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 #1BB9: 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
05/12 07:33:00 - 05/12 11:10:00	Track (316.0, -478.4) @ 05/12 07:30:00	HOP 419 AR 13006 obs.
PROG= 03 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 92 1-time(s) 2.0sec		
Open/G-band	Open/G-band open	Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 1ms Obs 1x1 2048x1536 (1024, 768) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close	Safe Dark 16.0s Obs 1x1 2048x1536 (1024, 768) 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 2048x1536 (1024, 768) Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 2 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) Q=95 3 0 2.0sec
Seqn= 96 4-time(s) 90.0sec		
Al-poly/Open	thin-Be/Open close	Safe Norm 250ms Obs 1x1 2048x1536 (1024, 768) Q=95 1 0 2.0sec
thin-Be/Open	med-Be/Open close	Safe Norm 500ms Obs 1x1 2048x1536 (1024, 768) 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

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Flare mode

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XOB #1CDB: HOP422_Flare - multifilter 4 sec cadence (Be/thin, Be/med), AEC 1, 384x384												
Term	Pointing (x, y)					Comment						
05/10 11:27:00 - 05/10 13:49:30	Track (-7.4, -471.9) @ 05/10 11:24:00					# OP start + 10min HOP 422 AR 13006 obs. 7:30-13 UT						
05/11 08:19:30 - 05/11 12:46:30	Track (143.6, -474.1) @ 05/11 07:30:00					HOP 422 AR 13006 obs.						
PROG= 18 30-time(s)												
└─ Subr= 1 38-time(s) 2.0sec												
└─ Seqn= 26 1-time(s) 8.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 8ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ med-Be/Open Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ Subr= 2 100-time(s) 2.0sec												
└─ Seqn= 26 160-time(s) 20.0sec												
└─ thin-Be/Open med-Be/Open close Safe Norm 8ms Obs 1x1 384x384 (1024, 1024) Q=95 1 0 2.0sec												
└─ med-Be/Open Open/thick-Al close Safe Norm 250ms Obs 1x1 384x384 (1024, 1024) Q=95 1 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

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) + G												
Term	Pointing (x, y)					Comment						
05/10 14:17:00 - 05/10 16:49:54	Track (-33.6, 554.1) @ 05/10 14:00:00					HOP 336 North						
05/10 17:43:00 - 05/10 20:23:00	Track (-32.7, -605.9) @ 05/10 17:15:00					HOP 336 South						
05/11 00:33:06 - 05/11 03:59:54	Track (91.4, -473.2) @ 05/11 00:30:00					AR 13006 tracking						
05/11 04:03:00 - 05/11 05:26:24	Fixed (0.0, 0.0)					HOP 349						
05/11 05:39:30 - 05/11 07:29:54	Track (129.6, -473.8) @ 05/11 05:36:30					AR 13006 tracing						
05/11 13:14:30 - 05/11 17:24:54	Track (184.2, -474.9) @ 05/11 13:00:00					AR 13006 tracking						
05/11 18:18:00 - 05/12 03:21:00	Track (219.5, -475.7) @ 05/11 17:51:00					AR 13006 tracking						
05/12 04:03:00 - 05/12 06:00:24	Fixed (0.0, 0.0)					HOP 349						
05/12 06:13:30 - 05/12 07:29:54	Track (306.8, -478.1) @ 05/12 06:10:30					AR 13006 tracking						
05/12 07:33:00 - 05/12 11:10:00	Track (316.0, -478.4) @ 05/12 07:30:00					HOP 419 AR 13006 obs.						
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

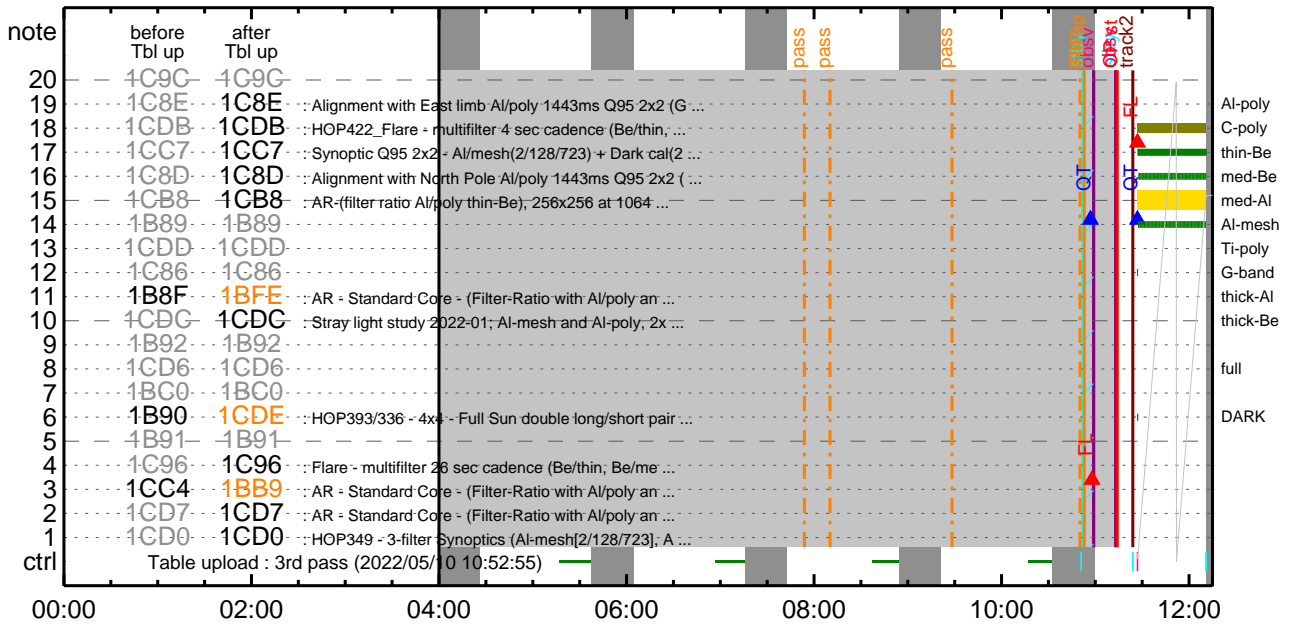
* * * * *

Flare Detection

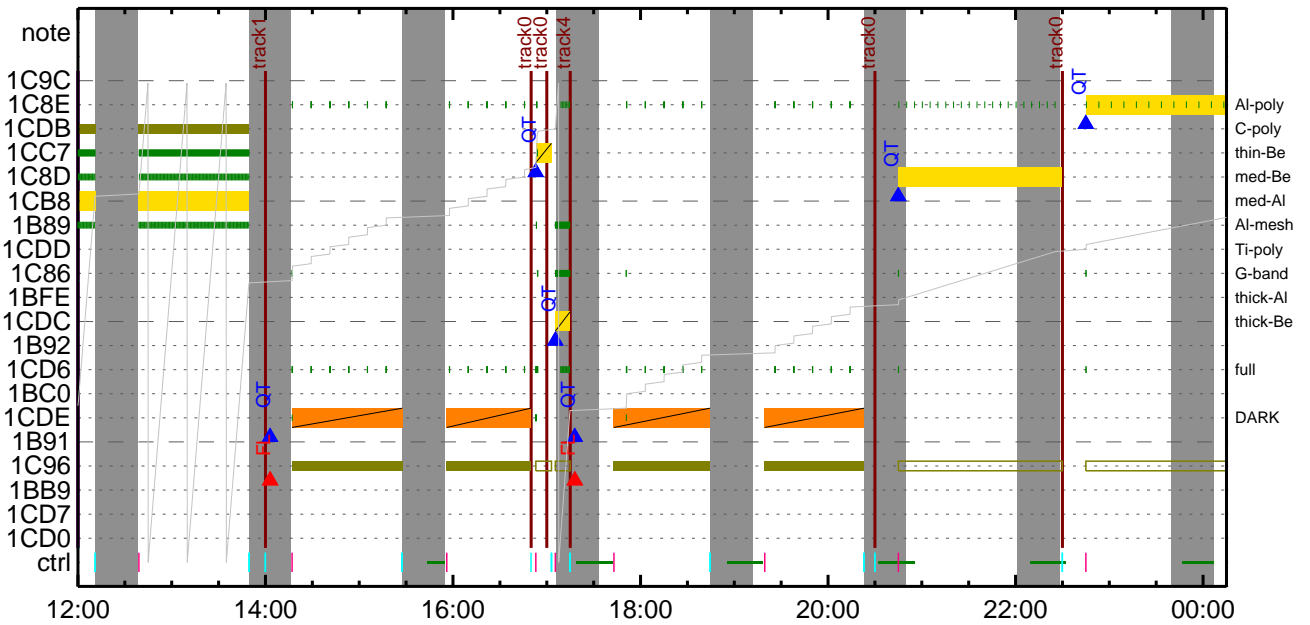
* * * * *

FLD Patrol												
Term	Pointing (x, y)					Comment						
05/10 10:53:55 - 05/10 16:50:16	cannot be identified											
05/10 17:15:18 - 05/10 20:30:18	Track (-32.7, -605.9) @ 05/10 17:15:00					HOP 336 South						
05/11 00:30:18 - 05/11 05:26:46	Track (91.4, -473.2) @ 05/11 00:30:00					AR 13006 tracking						
05/11 05:36:48 - 05/11 17:25:16	Track (129.6, -473.8) @ 05/11 05:36:30					AR 13006 tracing						
05/11 17:51:18 - 05/12 06:00:46	Track (219.5, -475.7) @ 05/11 17:51:00					AR 13006 tracking						
05/12 06:10:48 - 05/14 11:57:00	Track (306.8, -478.1) @ 05/12 06:10:30					AR 13006 tracking						
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

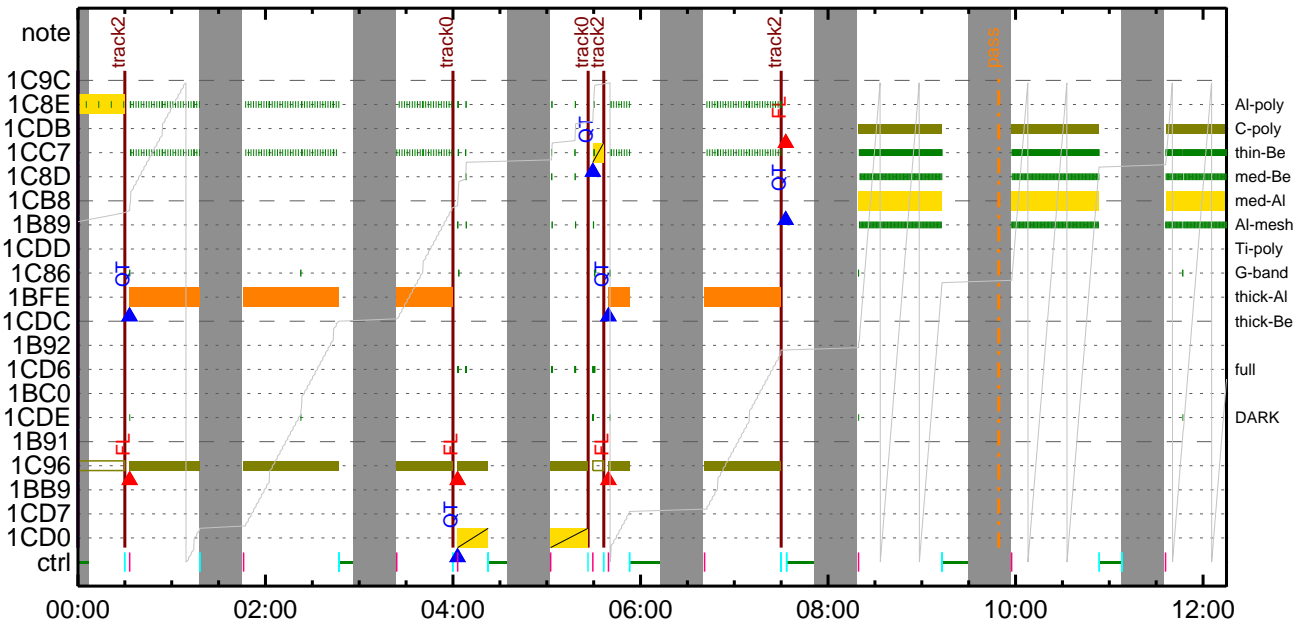
CMDI #0315 2022/05/10



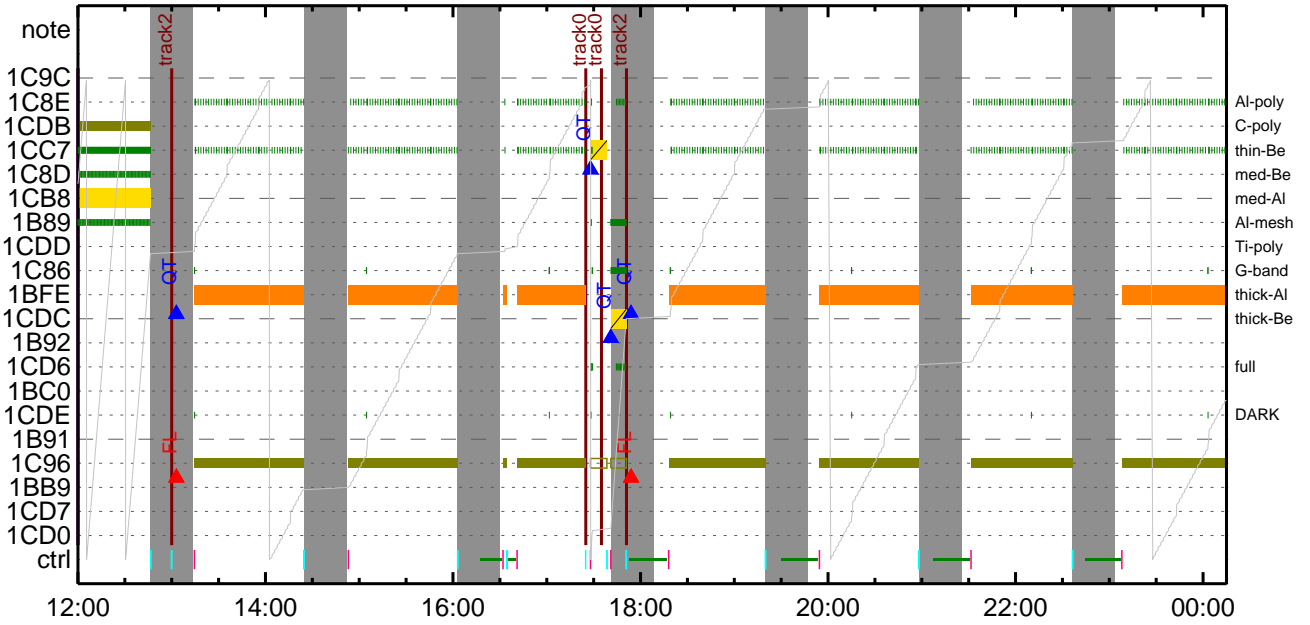
CMDI #0315 2022/05/10



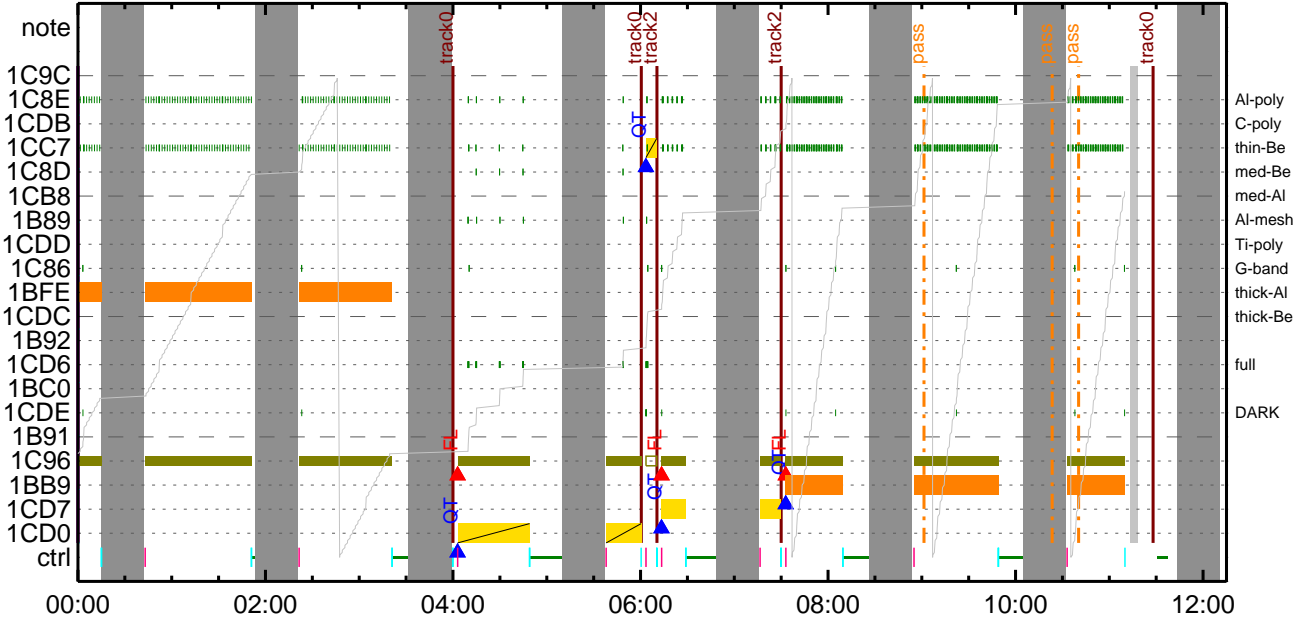
CMDI #0315 2022/05/11



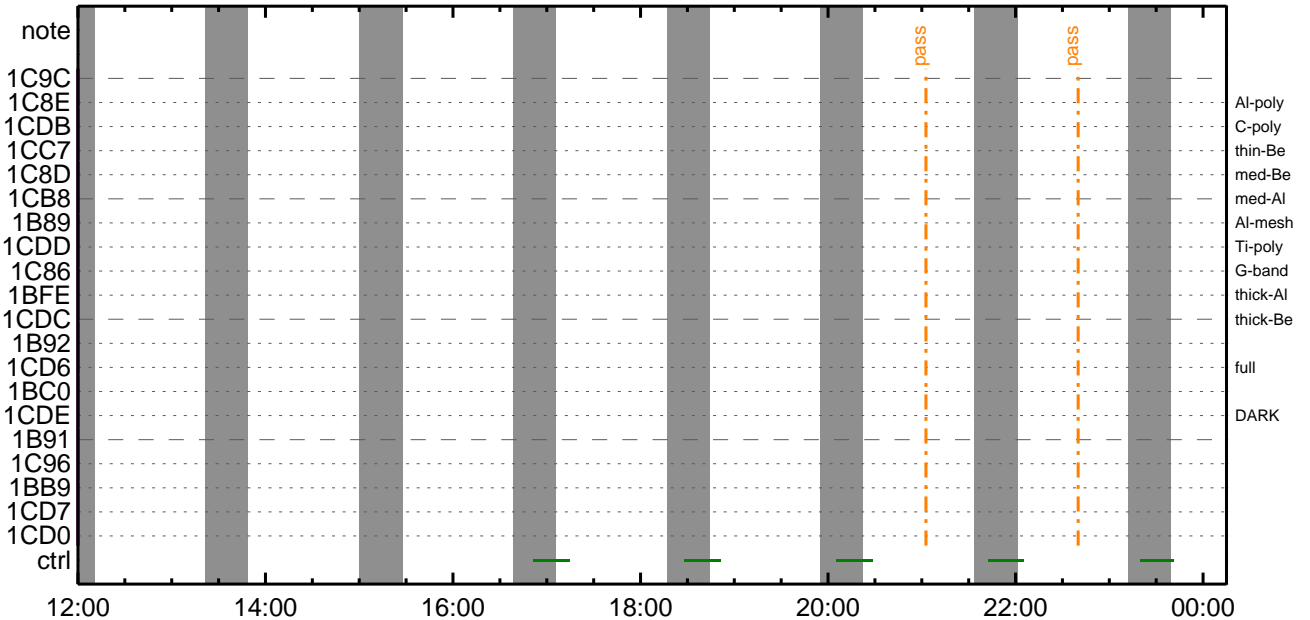
CMDI #0315 2022/05/11



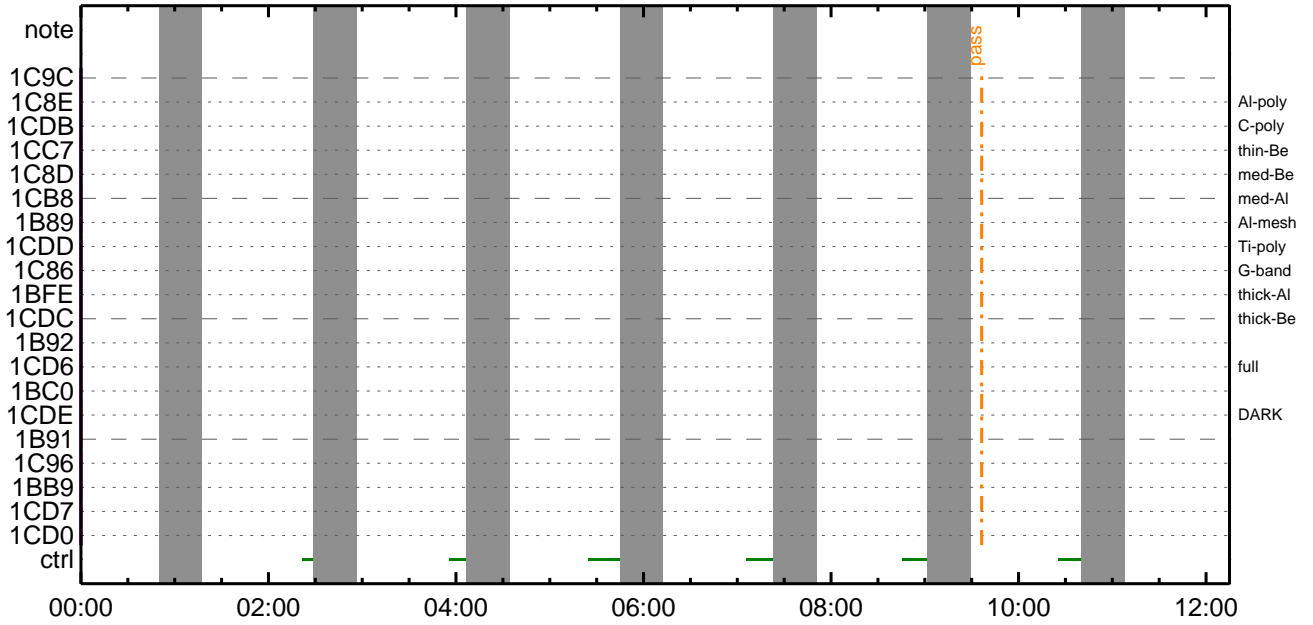
CMDI #0315 2022/05/12



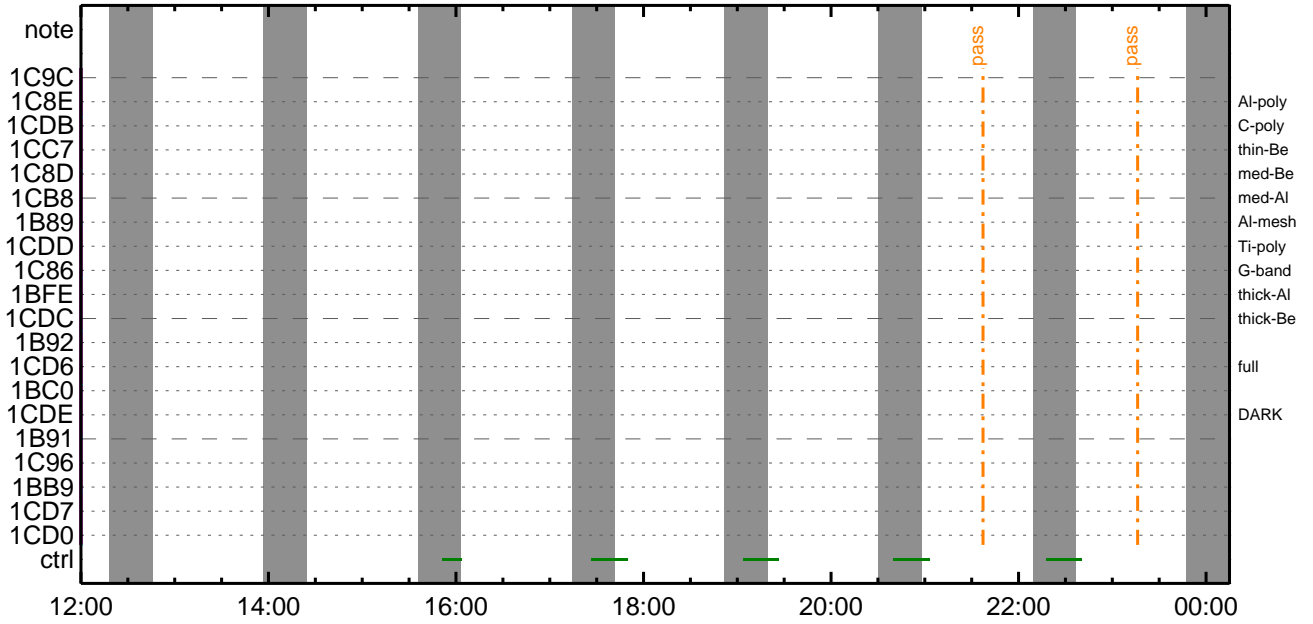
CMDI #0315 2022/05/12



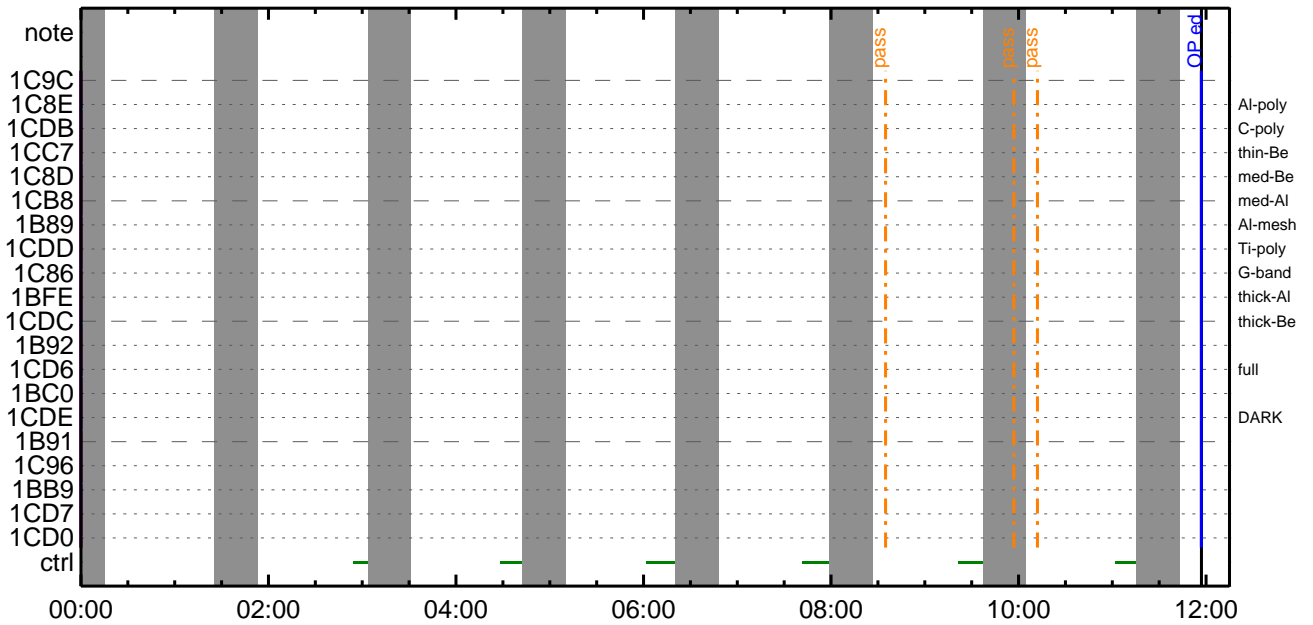
CMDI #0315 2022/05/13

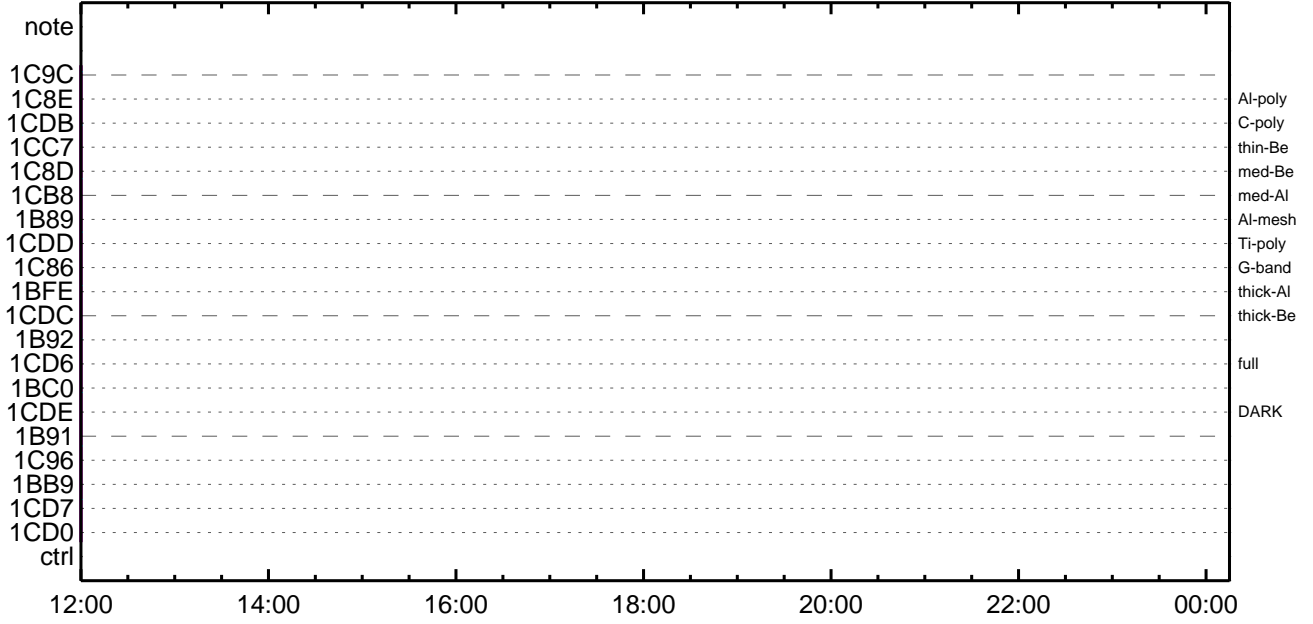


CMDI #0315 2022/05/13



CMDI #0315 2022/05/14






```

0096 C.                0300; çSET0EDUMP0IÆ±°iŸÑŸ¹qÇ¹Ôa|0³0E;E
0097 C.
0098 . C. TII³ŸPŸ0ŸÉ00dÂDi¿(UT)
0099 +. TI 2022-05-10 11:09:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2022-05-10 11:09:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2022-05-10 11:09:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2022-05-10 11:13:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C.                °Ê²¼0IÄê%îíÑ0îŸÁŸŸŸ-¹àîÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]                EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]                  EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]                EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]                 EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIIîî°êŸÄŸ0Ÿx
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC                (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]                EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]                EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]                 EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]                EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]                   EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC                (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]                   EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]                  EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]                 EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]                EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]                   EQ        EXEC
0140 C.
0141 C. ŸÄŸ0Ÿx½ªî»0ð³îÇ§
0142 C.                çç[HK1_DMP_CHK_FLG]                   EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0î%È¹ç•è²ï0K0ð³îÇ§
0145 C.
0146 . C. DHUŸâ;¼ŸÉ;Ê¼Ÿ½.Ÿî;¼ŸÈ;Ë0ðîÄ0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC                (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]                   EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]                  EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]                 EQ        32K
0152 C.                çç[HK1_X_TLM_BIT_RATE]                EQ        4M
0153 C.
0154 C. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2022-05-10 11:13:16.0
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.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2022-05-10 11:13:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC                (21 02)
0174 +. TI 2022-05-10 11:13:40.0
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.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2022-05-10 11:13:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC                (c3)
0187 . C.                [ ] [HK1_TI_CMD_NUM]                EQ        1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 . C. ***** MDP `üÃî0î»ð¼Ÿ0ËÄ0¹0èDCBC•x²è *****
0192 C. (¼å°îŸ0ŸÄŸËŸPŸËŸÄŸçŸè0È¾¼0¼Ä»Ÿ0¹0é)
0193 . S. DC-BC dcbc-402:DCBC

```

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



```

0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCs Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** AOCs Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 6265415.1 +- 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 23s
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 2022-05-10 11:13:50.0
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. BAT ¼ÅÅÅÅî@ãî³îçš HK1_BAT_CHG_CUR = [ ] A
0165 . C. 1.5A°Ê²¼øî¼î¹çøî;çHI->LOÀŠÄêðîĒŌÍ×
0166 . C. 1.5A°Ê²¼øî¼î¹çøî;çÆü±çøðçøîĒü±çÅ°øîŸŸ¹ðĒøÆ¼Å»Ū;fðÀòáçĒøé HI->LOÀŠÄêðð¼Å»Ū
0167 . C.
0168 . C. ***** BAT_CHG_RATE_HI->LOÀŠÄê *****
0169 +. DC 04-F9 TCIB_BAT_CHG_RATE_LO
0170 C. [ ] HK1_BAT_CHG_RATE = LO ?
0171 C.
0172 C.
0173 C.
0174 C. ***** BAT_VT_#2->#6ĒŸ¹¹ *****
0175 C. [ ] HK1_V/T_B1_SET/RST = RESET ?
0176 C. [ ] HK1_V/T_B2_SET/RST = SET ?
0177 C. [ ] HK1_V/T_B3_SET/RST = SET ?
0178 C. [ ] HK1_V/T_NUM = 02 ?
0179 +. DC 04-D7 TCIB_BAT_VT_B3_RST
0180 C. [ ] HK1_V/T_B1_SET/RST = RESET ?
0181 C. [ ] HK1_V/T_B2_SET/RST = SET ?
0182 C. [ ] HK1_V/T_B3_SET/RST = RESET ?
0183 C. [ ] HK1_V/T_NUM = 06 ?
0184 C.
0185 C.
0186 C.
0187 . C. ***** BAT_CHG_RATE_LO->HIÀŠÄê *****
0188 +. DC 04-D8 TCIB_BAT_CHG_RATE_HI
0189 C. [ ] HK1_BAT_CHG_RATE = HI ?
0190 C.
0191 C.
0192 . C. ***** MDP ´úãîøî»ø¼ŸøĒðø¹øĒCBC·x²è *****
0193 C. (¼øîŸŸ¹ðĒøÆ¼Å»Ūø¹øĒ)

```

```
0194 . S. DC-BC dcbc-402:DCBC
0195 (MDP_known_event)
0196 C.
0197 C.
0198 . C. ***** ¥D¥1•İ Daily±;İÑñĒ'Øα¹αēDCBC•x²è *****
0199 . S. DC-BC dcbc-153:DCBC
0200 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0201 C.
0202 C.
0203 . C. ;äLOS¥Á¥S¥Ä¥-¼Ä»Û;ä
0204 C.
0205 . C. ***** LOS *****
0206 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
main-163 2022-05-10 12:03:37 172 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®, ù¿¹ãÈãÈãçÁ+¿®ã•¿Èãã¿ãÈ;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-283: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 2022-05-10 11:13:18.0
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 05 85 83 06 06)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 85 83 08 08)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 85 83 04 04)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 08 08)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 20 20)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 20 08)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0b 80 80 08 20)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 0c 80 80 06 06)
0088 + DC 07-F0 MDP_XRT_ROI_SET
0089 BC (cd 0d 80 60 20 18)
0090 + DC 07-F0 MDP_XRT_ROI_SET
0091 BC (cd 0e a0 80 18 20)
0092 + DC 07-F0 MDP_XRT_ROI_SET
0093 BC (cd 0f 80 80 06 06)
0094 + DC 07-F0 MDP_XRT_ROI_SET
0095 BC (cd 10 80 80 08 08)
```

```

0096 + DC 07-F0 MDP_XRT_FLD_ENA
0097 BC (d8)
0098 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0099 BC (c8)
0100 + DC 07-F0 MDP_XRT_ARS_DIS
0101 BC (d5)
0102 + DC 07-F0 MDP_XRT_AEC_RESET
0103 BC (d0)
0104 + DC 07-F0 MDP_XRT_FLD_RESET
0105 BC (da)
0106 + DC 07-F0 MDP_XRT_QT_PROG_SET
0107 BC (c4 0f)
0108 + DC 07-F0 MDP_XRT_FL_PROG_SET
0109 BC (c5 04)
0110 . C. ----- Success Verify ? OK / NG ____
0111 . C.
0112 . C.
0113 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0114 . C.
0115 + DC 07-F0 MDP_XRT_MODE_OBSV
0116 BC (c2)
0117 + TI 2022-05-10 11:13:02.0
0118 DC 07-F0 MDP_XRT_MODE_OBSV
0119 BC (c2)
0120 . C. ----- Success Verify ? OK / NG ____
0121 . C.
0122 . C. ***** XRT END *****
0123 . C. ===== Begin of AOCs CMD Sequence =====
0124 . C.
0125 . C. *****
0126 . C. ***** GASŸÇ;¼Ÿç¼èÈÁ¼Ä»Û *****
0127 . C. *****
0128 . C.
0129 . C. *****
0130 . C. MDRV OFF
0131 . C. *****
0132 . C.
0133 . C. ***** GASŸâŸÈŸç;¼î¼ç¼á MTQŸîÈ°°i»pää»ß *****
0134 + DC 02-33 AOcu_MDRV-X_OFF
0135 + DC 02-34 AOcu_MDRV-Y_OFF
0136 + DC 02-35 AOcu_MDRV-Z_OFF
0137 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> X = OFF ?
0138 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = OFF ?
0139 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = OFF ?
0140 . C.
0141 . C.
0142 . C. ;úŸÇ;¼Ÿç¼èÈÁ¼î¼ç¼á;çî¼lminÂÏ¼;
0143 . C.
0144 . C. *****
0145 . C. MDRV ON
0146 . C. *****
0147 . C.
0148 . C. ***** MTQŸîÈ°°E³« *****
0149 + DC 02-32 AOcu_MDRV_ON
0150 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> X = ON ?
0151 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = ON ?
0152 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = ON ?
0153 . C.
0154 . C.
0155 . C. ===== End of AOCs CMD Sequence =====
0156 . C.
0157 . C.
0158 . C. ***** MDP (úÄî¼î»ö¼Ÿ¼èÈÄ¼¼¼èDCBC•x²è *****
0159 . C. (¼ä°îŸÖŸÄŸÈŸpŸÈŸâŸçŸèè¼¼¼¼¼¼»Û¼¼è)
0160 . S. DC-BC dcbc-402:DCBC
0161 (MDP_known_event)
0162 . C.
0163 . C.
0164 . C. ***** ŸDŸ¹•İ Dailyç¼î¼è¼ø¼¼èDCBC•x²è *****
0165 . S. DC-BC dcbc-153:DCBC
0166 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0167 . C.
0168 . C.
0169 . C. ;ãLOSŸÄŸŸŸÄŸ¹¼Ä»Û;ä
0170 . C.
0171 . C. ***** LOS *****
0172 . C.

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*** OP Sequence for XRT ***

2022/05/10	11:23:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	11:23:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	11:23:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2022/05/10	11:24:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	02 03 1a 02 0c		
2022/05/10	11:24:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2022/05/10	11:24:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2022/05/10	11:24:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2022/05/10	11:24:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/05/10	11:24:26.0	XRT_FLD_RESET_434_OG [0x1b2]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2022/05/10	11:26:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0f		
2022/05/10	11:26:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 12		
2022/05/10	11:27:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/05/10	12:11:00.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	12:11:02.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	12:11:04.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2022/05/10	12:11:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/05/10	12:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/05/10	12:38:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/10	12:39:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/05/10	13:49:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	13:49:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	13:49:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2022/05/10	13:49:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/05/10	13:52:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/05/10	13:59:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	13:59:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	13:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2022/05/10	14:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	01 03 1a 02 0c		
2022/05/10	14:00:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2022/05/10	14:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2022/05/10	14:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2022/05/10	14:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/05/10	14:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2022/05/10	14:02:56.0	XRT_QT_PROG_SET_407_OG [0x197]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06		
2022/05/10	14:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2022/05/10	14:16:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/10	14:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/05/10	15:27:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	15:27:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	15:27:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2022/05/10	15:27:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/05/10	15:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/05/10	15:55:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/10	15:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/05/10	16:49:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/05/10	16:49:56.0	XRT_FOCUS_POSITION_406_OG [0x196]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2022/05/10	16:50:00.0	AOCS_ORe-point_Start_3_OG [0x099]					
		AOCU_NM	5	02-76	00 00 00 00 00		

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2022/05/10	16:50:16.0	XRT_FLD_DIS_409_OG [0x199]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2022/05/10	16:50:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2022/05/10	16:50:20.0	XRT_ARS_DIS_440_OG [0x1b8]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/10	16:52:58.0	XRT_QT_PROG_SET_433_OG [0x1b1]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2022/05/10	16:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/10	17:00:00.0	AOCS_Or-point_Start_4_OG [0x09a]				
		AOCU_NM	5	02-76	00 00 00 54 00	
2022/05/10	17:03:00.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	17:03:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	17:03:04.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2022/05/10	17:03:24.0	XRT_FLD_DIS_404_OG [0x194]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2022/05/10	17:05:24.0	XRT_FLRCTRL_DIS_413_OG [0x19d]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2022/05/10	17:05:26.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/10	17:05:28.0	XRT_QT_PROG_SET_405_OG [0x195]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2022/05/10	17:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/10	17:14:54.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	17:14:56.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	17:14:58.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2022/05/10	17:15:00.0	AOCS_Or-point_Start_5_OG [0x09b]				
		AOCU_NM	5	02-76	04 03 1a 02 0c	
2022/05/10	17:15:18.0	XRT_FLD_ENA_411_OG [0x19b]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/10	17:15:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]				
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/10	17:15:22.0	XRT_AEC_RESET_448_OG [0x1c0]				
		MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/10	17:15:24.0	XRT_ARS_DIS_423_OG [0x1a7]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/10	17:15:26.0	XRT_FLD_RESET_434_OG [0x1b2]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/10	17:17:56.0	XRT_QT_PROG_SET_407_OG [0x197]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06	
2022/05/10	17:17:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]				
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04	
2022/05/10	17:42:00.0	XRT_Custom_430_OG [0x1ae]				
2022/05/10	17:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/10	18:44:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	18:44:32.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	18:44:34.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/10	18:44:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/10	18:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/10	19:18:30.0	XRT_Custom_430_OG [0x1ae]				
2022/05/10	19:19:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/10	20:23:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	20:23:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	20:23:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/10	20:23:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/10	20:26:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/10	20:29:54.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	20:29:56.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/10	20:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]				
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2022/05/10	20:30:00.0	AOCS_Or-point_Start_6_OG [0x09c]				
		AOCU_NM	5	02-76	00 ad 59 00 00	
2022/05/10	20:30:18.0	XRT_FLD_DIS_421_OG [0x1a5]				
		MDP_XRT_FLD_DIS	1	07-F0	d9	
2022/05/10	20:44:54.0	XRT_FLRCTRL_DIS_413_OG [0x19d]				
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2022/05/10	20:44:56.0	XRT_ARS_DIS_426_OG [0x1aa]				
		MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/10	20:44:58.0	XRT_QT_PROG_SET_427_OG [0x1ab]				
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 10	
2022/05/10	20:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]				

2022/05/10	22:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0						
			MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/10	22:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/10	22:29:58.0	XRT_FOCUS_POSITION_444_OG [0x1bc]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00						
2022/05/10	22:30:00.0	AOCS_ORe-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	00 00 00 56 35						
2022/05/10	22:30:18.0	XRT_FLD_DIS_421_OG [0x1a5]	MDP_XRT_FLD_DIS	1	07-F0	d9						
2022/05/10	22:44:54.0	XRT_ARS_DIS_426_OG [0x1aa]	MDP_XRT_ARS_DIS	1	07-F0	d5						
2022/05/10	22:44:56.0	XRT_FLRCTRL_DIS_449_OG [0x1c1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9						
2022/05/10	22:44:58.0	XRT_QT_PROG_SET_425_OG [0x1a9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13						
2022/05/10	22:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0						
2022/05/11	00:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	00:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	00:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00						
2022/05/11	00:30:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 03 1a 02 0c						
2022/05/11	00:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8						
2022/05/11	00:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8						
2022/05/11	00:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0						
2022/05/11	00:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5						
2022/05/11	00:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da						
2022/05/11	00:32:56.0	XRT_ROI_A_446_OG [0x1be]	MDP_XRT_ROI_SET	6	07-F0	cd 05 85 83 06 06						
			MDP_XRT_ROI_SET	6	07-F0	cd 06 85 83 08 08						
			MDP_XRT_ROI_SET	6	07-F0	cd 07 85 83 04 04						
			MDP_XRT_ROI_SET	6	07-F0	cd 08 80 80 08 08						
			MDP_XRT_ROI_SET	6	07-F0	cd 09 80 80 20 20						
			MDP_XRT_ROI_SET	6	07-F0	cd 0a 80 80 20 08						
			MDP_XRT_ROI_SET	6	07-F0	cd 0b 80 80 08 20						
			MDP_XRT_ROI_SET	6	07-F0	cd 0c 80 80 06 06						
2022/05/11	00:32:56.5	XRT_ROI_B_403_OG [0x193]	MDP_XRT_ROI_SET	6	07-F0	cd 0c 80 80 06 06						
			MDP_XRT_ROI_SET	6	07-F0	cd 0d 85 83 06 06						
			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						
2022/05/11	00:33:01.5	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b						
2022/05/11	00:33:04.5	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04						
2022/05/11	00:33:06.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0						
2022/05/11	01:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	01:18:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	01:18:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da						
2022/05/11	01:18:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8						
2022/05/11	01:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9						
2022/05/11	01:45:00.0	XRT_Custom_430_OG [0x1ae]										
2022/05/11	01:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0						
2022/05/11	02:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	02:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	02:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da						
2022/05/11	02:47:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8						
2022/05/11	02:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9						
2022/05/11	03:23:00.0	XRT_Custom_430_OG [0x1ae]										
2022/05/11	03:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0						
2022/05/11	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1						
2022/05/11	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00						
2022/05/11	04:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00						
2022/05/11	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8						

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2022/05/11	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/11	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/11	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/11	04:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	04:02:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2022/05/11	04:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/11	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	04:22:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	04:22:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	04:22:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	04:22:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	04:25:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	05:01:30.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	05:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	05:26:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	05:26:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2022/05/11	05:26:30.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00 00 00 00
2022/05/11	05:26:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2022/05/11	05:26:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2022/05/11	05:26:50.0	XRT_ARS_DIS_440_OG [0x1b8]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/11	05:29:28.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2022/05/11	05:29:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	05:36:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	05:36:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	05:36:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2022/05/11	05:36:30.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	03 1a 02 0c
2022/05/11	05:36:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/11	05:36:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/11	05:36:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/11	05:36:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/11	05:36:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	05:39:26.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2022/05/11	05:39:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/11	05:39:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	05:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	05:53:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	05:53:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	05:53:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	05:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	06:40:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	06:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	07:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	07:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	07:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2022/05/11	07:30:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	03 1a 02 0c
2022/05/11	07:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/11	07:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/11	07:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]					

2022/05/11	07:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/11	07:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	07:32:56.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0f
2022/05/11	07:32:58.0	XRT_FL_PROG_SET_441_OG [0x1b9]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	12
2022/05/11	07:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	07:33:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	07:33:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	07:33:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	07:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	08:18:30.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	08:19:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	09:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	09:13:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	09:13:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	09:13:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	09:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	09:56:30.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	09:57:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	10:53:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	10:53:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	10:53:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	10:53:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	10:56:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	11:08:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	11:08:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	11:08:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	11:08:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	11:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	11:35:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	11:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	12:46:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	12:46:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	12:46:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	12:46:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	12:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	12:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	12:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	12:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2022/05/11	13:00:00.0	AOCs_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 03	1a 02 0c
2022/05/11	13:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/11	13:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/11	13:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/11	13:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/11	13:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	13:02:56.0	XRT_QT_PROG_SET_414_OG [0x19e]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2022/05/11	13:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/11	13:13:30.0	XRT_Custom_430_OG [0x1ae]					
2022/05/11	13:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	

2022/05/11	14:24:30.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	14:24:32.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	14:24:34.0	XRT_FLD_RESET_415_OG [0x19f]								
		MDP_XRT_FLD_RESET	1	07-F0	da					
2022/05/11	14:24:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]								
		MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2022/05/11	14:27:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
		MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2022/05/11	14:52:00.0	XRT_Custom_430_OG [0x1ae]								
2022/05/11	14:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
		MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2022/05/11	16:03:00.5	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	16:03:02.5	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	16:03:04.5	XRT_FLD_RESET_415_OG [0x19f]								
		MDP_XRT_FLD_RESET	1	07-F0	da					
2022/05/11	16:03:06.5	XRT_PREFLR_STRT_436_OG [0x1b4]								
		MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2022/05/11	16:06:14.5	XRT_PREFLR_STOP_419_OG [0x1a3]								
		MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2022/05/11	16:31:00.0	XRT_Custom_430_OG [0x1ae]								
2022/05/11	16:32:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
		MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2022/05/11	16:34:30.0	XRT_CTRL_MANU_400_OG [0x190]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	16:34:32.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	16:34:34.0	XRT_FLD_RESET_415_OG [0x19f]								
		MDP_XRT_FLD_RESET	1	07-F0	da					
2022/05/11	16:34:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]								
		MDP_XRT_PREFLR_STRT	1	07-F0	e8					
2022/05/11	16:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]								
		MDP_XRT_PREFLR_STOP	1	07-F0	e9					
2022/05/11	16:40:00.0	XRT_Custom_430_OG [0x1ae]								
2022/05/11	16:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]								
		MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2022/05/11	17:24:54.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	17:24:56.0	XRT_FOCUS_POSITION_406_OG [0x196]								
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00					
2022/05/11	17:25:00.0	AOCs_OrE-point_Start_3_OG [0x099]								
		AOCU_NM	5	02-76	00 00 00 00 00					
2022/05/11	17:25:16.0	XRT_FLD_DIS_409_OG [0x199]								
		MDP_XRT_FLD_DIS	1	07-F0	d9					
2022/05/11	17:25:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]								
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2022/05/11	17:25:20.0	XRT_ARS_DIS_440_OG [0x1b8]								
		MDP_XRT_ARS_DIS	1	07-F0	d5					
2022/05/11	17:27:58.0	XRT_QT_PROG_SET_433_OG [0x1b1]								
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11					
2022/05/11	17:28:00.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2022/05/11	17:35:00.0	AOCs_OrE-point_Start_8_OG [0x09e]								
		AOCU_NM	5	02-76	00 dc 73 39 ca					
2022/05/11	17:38:30.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	17:38:32.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	17:38:34.0	XRT_FOCUS_POSITION_406_OG [0x196]								
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00					
2022/05/11	17:38:54.0	XRT_FLD_DIS_404_OG [0x194]								
		MDP_XRT_FLD_DIS	1	07-F0	d9					
2022/05/11	17:40:54.0	XRT_FLRCTRL_DIS_413_OG [0x19d]								
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9					
2022/05/11	17:40:56.0	XRT_ARS_DIS_423_OG [0x1a7]								
		MDP_XRT_ARS_DIS	1	07-F0	d5					
2022/05/11	17:40:58.0	XRT_QT_PROG_SET_405_OG [0x195]								
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a					
2022/05/11	17:41:00.0	XRT_CTRL_AUTO_408_OG [0x198]								
		MDP_XRT_CTRL_AUTO	1	07-F0	c0					
2022/05/11	17:50:54.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	17:50:56.0	XRT_CTRL_MANU_402_OG [0x192]								
		MDP_XRT_CTRL_MANU	1	07-F0	c1					
2022/05/11	17:50:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]								
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00					
2022/05/11	17:51:00.0	AOCs_OrE-point_Start_1_OG [0x097]								
		AOCU_NM	5	02-76	02 03 1a 02 0c					
2022/05/11	17:51:18.0	XRT_FLD_ENA_411_OG [0x19b]								
		MDP_XRT_FLD_ENA	1	07-F0	d8					
2022/05/11	17:51:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]								
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8					
2022/05/11	17:51:22.0	XRT_AEC_RESET_448_OG [0x1c0]								
		MDP_XRT_AEC_RESET	1	07-F0	d0					
2022/05/11	17:51:24.0	XRT_ARS_DIS_423_OG [0x1a7]								
		MDP_XRT_ARS_DIS	1	07-F0	d5					
2022/05/11	17:51:26.0	XRT_FLD_RESET_434_OG [0x1b2]								
		MDP_XRT_FLD_RESET	1	07-F0	da					
2022/05/11	17:53:56.0	XRT_QT_PROG_SET_414_OG [0x19e]								
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b					

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2022/05/11	17:53:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]				
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/11	18:17:00.0	XRT_Custom_430_OG [0x1ae]				
2022/05/11	18:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	19:20:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	19:20:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	19:20:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	19:20:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	19:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	19:53:30.0	XRT_Custom_430_OG [0x1ae]				
2022/05/11	19:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	20:58:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	20:58:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	20:58:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	20:58:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	21:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	21:30:30.0	XRT_Custom_430_OG [0x1ae]				
2022/05/11	21:31:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/11	22:36:30.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	22:36:32.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/11	22:36:34.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/11	22:36:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/11	22:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/11	23:07:00.0	XRT_Custom_430_OG [0x1ae]				
2022/05/11	23:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	00:15:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	00:15:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	00:15:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	00:15:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/12	00:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/12	00:42:00.0	XRT_Custom_430_OG [0x1ae]				
2022/05/12	00:43:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	01:51:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	01:51:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	01:51:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	01:51:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/12	01:54:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/12	02:20:30.0	XRT_Custom_430_OG [0x1ae]				
2022/05/12	02:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
		MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	03:21:00.0	XRT_CTRL_MANU_400_OG [0x190]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	03:21:02.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	03:21:04.0	XRT_FLD_RESET_415_OG [0x19f]				
		MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	03:21:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]				
		MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/12	03:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]				
		MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/12	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]				
		MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]				
		XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2022/05/12	04:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]				
		AOCU_NM	5	02-76	00 00 00 00	00 00
2022/05/12	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]				
		MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/12	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]				
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/12	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]				

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2022/05/12	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
			MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/12	04:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	04:02:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01
2022/05/12	04:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/12	04:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	04:49:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	04:49:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	04:49:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	04:49:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/12	04:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/12	05:37:00.0	XRT_Custom_430_OG [0x1ae]					
2022/05/12	05:38:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	06:00:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	06:00:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2022/05/12	06:00:30.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00	00 00 00 00
2022/05/12	06:00:46.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2022/05/12	06:00:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2022/05/12	06:00:50.0	XRT_ARS_DIS_440_OG [0x1b8]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/12	06:03:28.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11
2022/05/12	06:03:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	06:10:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	06:10:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	06:10:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2022/05/12	06:10:30.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	03 1a 02 0c
2022/05/12	06:10:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/12	06:10:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/12	06:10:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/12	06:10:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2022/05/12	06:10:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	06:13:26.0	XRT_QT_PROG_SET_445_OG [0x1bd]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	02
2022/05/12	06:13:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04
2022/05/12	06:13:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	06:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	06:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	06:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2022/05/12	06:29:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2022/05/12	06:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2022/05/12	07:15:30.0	XRT_Custom_430_OG [0x1ae]					
2022/05/12	07:16:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2022/05/12	07:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	07:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2022/05/12	07:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2022/05/12	07:30:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02	03 1a 02 0c
2022/05/12	07:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2022/05/12	07:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2022/05/12	07:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2022/05/12	07:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	

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2022/05/12	07:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/05/12	07:32:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2022/05/12	07:32:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2022/05/12	07:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/05/12	08:09:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/05/12	08:09:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/05/12	08:09:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/05/12	08:09:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2022/05/12	08:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2022/05/12	08:54:00.0	XRT_Custom_430_OG [0x1ae]							
2022/05/12	08:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/05/12	09:49:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/05/12	09:49:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/05/12	09:49:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/05/12	09:49:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2022/05/12	09:52:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2022/05/12	10:32:00.0	XRT_Custom_430_OG [0x1ae]							
2022/05/12	10:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/05/12	11:10:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/05/12	11:28:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00 00 00 00 00				