

XRT Timeline to be uploaded on 2024/04/18

Period: 2024/04/18 11:39:00 - 2024/04/23 10:52:00

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Normal mode

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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
04/18 11:55:30 - 04/18 12:18:24	Track (-395.3, -159.6) ^{Ⓞ 04/18 11:49:00}	# OP start + 10min + AR 13643
04/18 19:05:00 - 04/19 00:09:54	Track (-334.7, -157.8) ^{Ⓞ 04/18 19:02:00}	AR 13643
04/19 18:18:30 - 04/20 00:09:54	Track (-130.8, -154.8) ^{Ⓞ 04/19 18:15:30}	AR 13643
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 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
thin-Be/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) 90.0sec		
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 #1BD6: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 900s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
04/18 12:21:30 - 04/18 12:41:24	Fixed (-21.0, -984.0)	HOP412 01/20
04/18 12:44:30 - 04/18 13:14:00	Fixed (-21.0, -884.0)	HOP412 02/20
04/18 13:37:00 - 04/18 13:56:54	Fixed (-21.0, -784.0)	HOP412 03/20
04/18 14:00:00 - 04/18 14:19:54	Fixed (-21.0, -684.0)	HOP412 04/20
04/18 14:23:00 - 04/18 14:52:00	Fixed (-21.0, -584.0)	HOP412 05/20
04/18 15:15:00 - 04/18 15:34:54	Fixed (-21.0, -484.0)	HOP412 06/20
04/18 15:38:00 - 04/18 15:57:54	Fixed (-21.0, -384.0)	HOP412 07/20
04/18 16:01:00 - 04/18 16:30:30	Fixed (-21.0, -284.0)	HOP412 08/20
04/18 17:05:30 - 04/18 17:25:24	Fixed (-21.0, -184.0)	HOP412 09/20
04/18 17:28:30 - 04/18 17:50:24	Fixed (-21.0, -84.0)	HOP412 10/20
04/18 18:42:00 - 04/18 19:01:54	Fixed (-21.0, 6.0)	HOP412 11/20
04/19 00:13:00 - 04/19 00:41:30	Fixed (-21.0, 106.0)	HOP412 12/20
04/19 01:03:00 - 04/19 01:22:54	Fixed (-21.0, 206.0)	HOP412 13/20
04/19 01:26:00 - 04/19 01:45:54	Fixed (-21.0, 306.0)	HOP412 14/20
04/19 01:49:00 - 04/19 02:09:00	Fixed (-21.0, 406.0)	HOP412 15/20
04/19 02:43:00 - 04/19 03:02:54	Fixed (-21.0, 506.0)	HOP412 16/20
04/19 03:06:00 - 04/19 03:41:30	Fixed (-21.0, 606.0)	HOP412 17/20
04/19 06:13:00 - 04/19 06:50:30	Fixed (-21.0, 706.0)	HOP412 18/20
04/19 07:38:00 - 04/19 07:59:54	Fixed (-21.0, 806.0)	HOP412 19/20
04/19 08:03:00 - 04/19 08:29:54	Fixed (-21.0, 906.0)	HOP412 20/20
PROG= 12 Inf.-time(s)		
└─ Subr= 1 1-time(s) 2.0sec		
└─ Seqn= 30 1-time(s) 2.0sec		
Open/G-band	Open/G-band open Safe Norm 1ms Obs 1x1 512x512 (1024, 1024)	Q=90 0 0 2.0sec
Open/G-band	Open/G-band close Safe Norm 1ms Obs 1x1 512x512 (1024, 1024)	Q=95 0 0 2.0sec
└─ Subr= 2 8-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= 6 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close Safe Norm 125ms Obs 4x4 2048x2048 (1024, 1024)	Q=98 3 0 2.0sec
Al-poly/Open	Al-poly/Open close Safe Norm 1.00s Obs 4x4 2048x2048 (1024, 1024)	DPCM 2 0 2.0sec
Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center)	Comp. AEC Buffer Interval

XOB #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(128/5795)

Term	Pointing (x, y)	Comment
04/18 17:53:30 - 04/18 18:00:24	Fixed (0.0, 0.0)	synoptic, shifted -9.5 min
04/19 06:03:00 - 04/19 06:09:54	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic
04/19 18:08:30 - 04/19 18:15:24	Fixed (0.0, 0.0)	synoptic, shifted 5.5 min
04/20 06:33:00 - 04/20 06:39:54	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic
PROG= 19 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= 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 #1BBA: 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
04/18 18:03:30 - 04/18 18:08:30	Track (-200.7, 512.4) @ 04/18 18:00:30	AR 13639 + 13640
04/19 09:13:00 - 04/19 18:05:24	Track (-90.9, 513.2) @ 04/19 08:30:00	AR 13639 + 13640
04/20 06:43:00 - 04/20 09:05:00	Track (78.7, 511.7) @ 04/20 06:40:00	AR 13639 + 13640

PROG= 10 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec												
Seqn= 92 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
Subr= 2 5-time(s) 2.0sec												
Seqn= 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) 120.0sec												
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 #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
04/19 04:18:30 - 04/19 05:59:54	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic
04/20 04:52:30 - 04/20 05:45:00	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic

PROG= 18 Inf.-time(s)

Subr= 1 1-time(s) 600.0sec												
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= 98 1-time(s) 2.0sec												
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
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 7-time(s) 600.0sec												
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 #1CD9: HOP393 - 4x4 - Full Sun double long/short pair AEC 2/3 - Al-poly - Dark (512ms) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s

Term	Pointing (x, y)	Comment
04/20 00:13:00 - 04/20 04:15:00	Fixed (-21.0, 48.0)	HOP 393
PROG= 11 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) 360.0sec		
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

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Flare mode

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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
04/18 11:55:30 - 04/18 12:18:24	Track (-395.3, -159.6) @ 04/18 11:49:00	# OP start + 10min + AR 13643
04/18 12:21:30 - 04/18 12:41:24	Fixed (-21.0, -984.0)	HOP412 01/20
04/18 12:44:30 - 04/18 13:14:00	Fixed (-21.0, -884.0)	HOP412 02/20
04/18 13:37:00 - 04/18 13:56:54	Fixed (-21.0, -784.0)	HOP412 03/20
04/18 14:00:00 - 04/18 14:19:54	Fixed (-21.0, -684.0)	HOP412 04/20
04/18 14:23:00 - 04/18 14:52:00	Fixed (-21.0, -584.0)	HOP412 05/20
04/18 15:15:00 - 04/18 15:34:54	Fixed (-21.0, -484.0)	HOP412 06/20
04/18 15:38:00 - 04/18 15:57:54	Fixed (-21.0, -384.0)	HOP412 07/20
04/18 16:01:00 - 04/18 16:30:30	Fixed (-21.0, -284.0)	HOP412 08/20
04/18 17:05:30 - 04/18 17:25:24	Fixed (-21.0, -184.0)	HOP412 09/20
04/18 17:28:30 - 04/18 17:50:24	Fixed (-21.0, -84.0)	HOP412 10/20
04/18 18:03:30 - 04/18 18:08:30	Track (-200.7, 512.4) @ 04/18 18:00:30	AR 13639 + 13640
04/18 18:42:00 - 04/18 19:01:54	Fixed (-21.0, 6.0)	HOP412 11/20
04/18 19:05:00 - 04/19 00:09:54	Track (-334.7, -157.8) @ 04/18 19:02:00	AR 13643
04/19 00:13:00 - 04/19 00:41:30	Fixed (-21.0, 106.0)	HOP412 12/20
04/19 01:03:00 - 04/19 01:22:54	Fixed (-21.0, 206.0)	HOP412 13/20
04/19 01:26:00 - 04/19 01:45:54	Fixed (-21.0, 306.0)	HOP412 14/20
04/19 01:49:00 - 04/19 02:09:00	Fixed (-21.0, 406.0)	HOP412 15/20
04/19 02:43:00 - 04/19 03:02:54	Fixed (-21.0, 506.0)	HOP412 16/20
04/19 03:06:00 - 04/19 03:41:30	Fixed (-21.0, 606.0)	HOP412 17/20
04/19 04:18:30 - 04/19 05:59:54	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic
04/19 06:13:00 - 04/19 06:50:30	Fixed (-21.0, 706.0)	HOP412 18/20
04/19 07:38:00 - 04/19 07:59:54	Fixed (-21.0, 806.0)	HOP412 19/20
04/19 08:03:00 - 04/19 08:29:54	Fixed (-21.0, 906.0)	HOP412 20/20
04/19 09:13:00 - 04/19 18:05:24	Track (-90.9, 513.2) @ 04/19 08:30:00	AR 13639 + 13640
04/19 18:18:30 - 04/20 00:09:54	Track (-130.8, -154.8) @ 04/19 18:15:30	AR 13643
04/20 00:13:00 - 04/20 04:15:00	Fixed (-21.0, 48.0)	HOP 393
04/20 04:52:30 - 04/20 05:45:00	Fixed (0.0, 0.0)	HOP 349 + 448 + synoptic
04/20 06:43:00 - 04/20 09:05:00	Track (78.7, 511.7) @ 04/20 06:40:00	AR 13639 + 13640

PROG= 14 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-AI/Open	med-AI/thick-AI	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									
AI-poly/Open	AI-poly/thick-AI	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-AI	Open/thick-AI	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-AI	Open/thick-AI	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

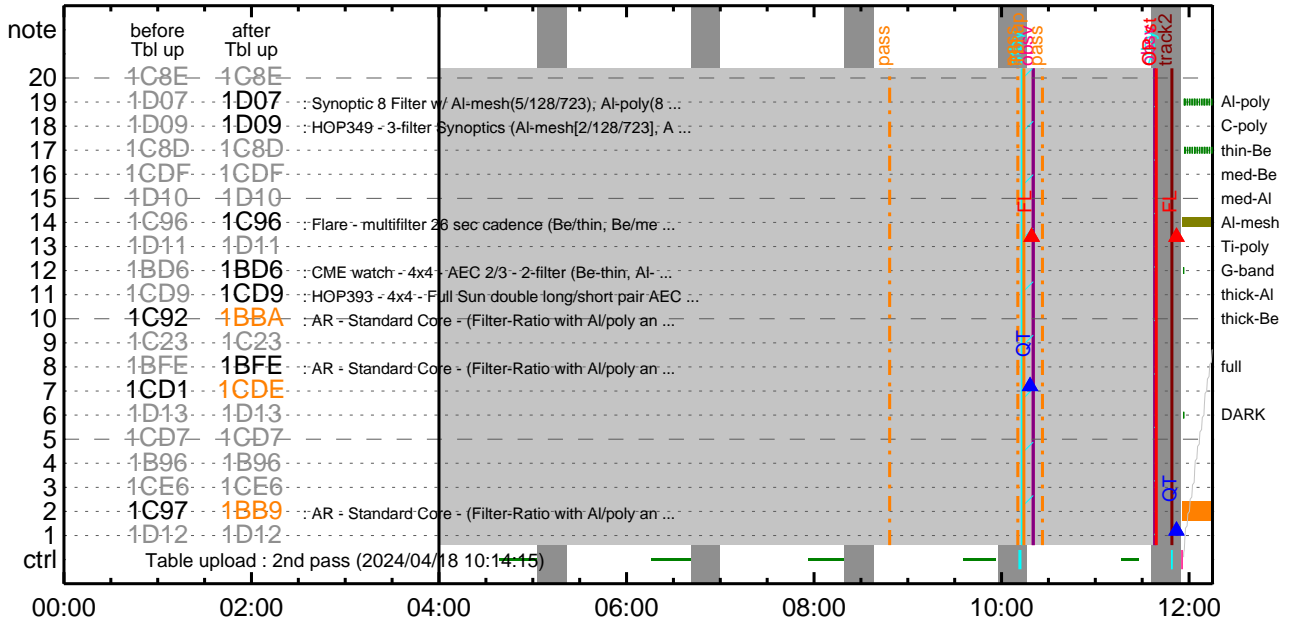
* * * * *

Flare Detection

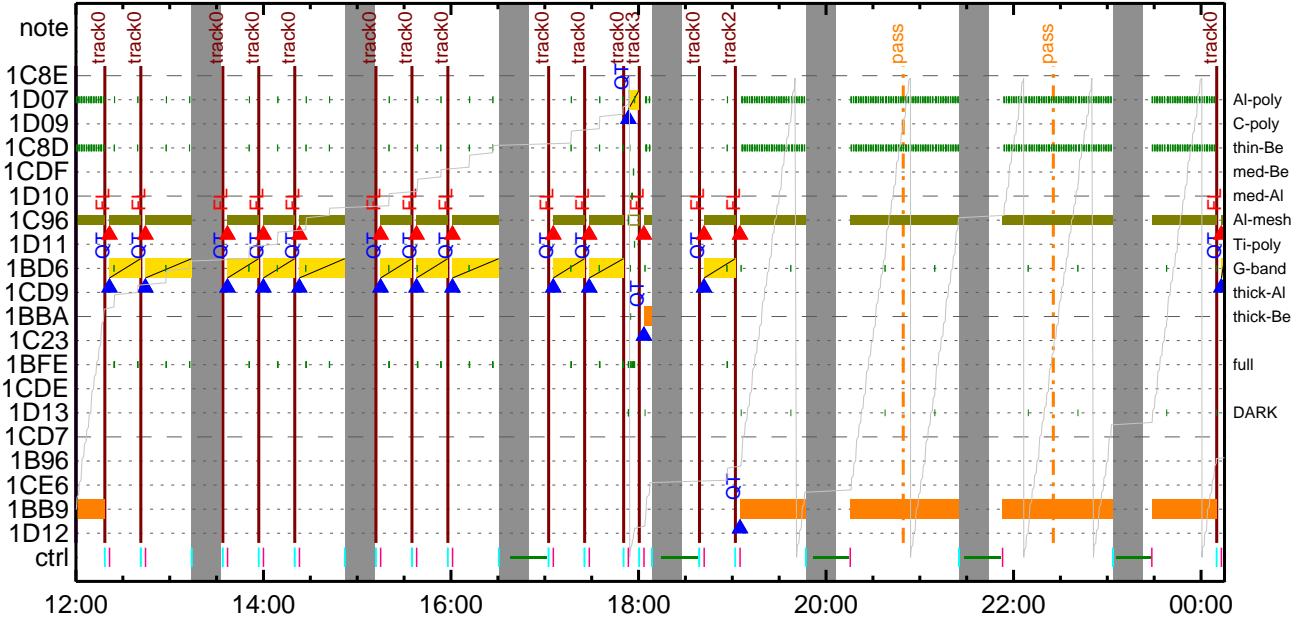
* * * * *

FLD Patrol												
Term		Pointing (x, y)						Comment				
04/18 10:15:15 - 04/18 17:50:48		cannot be identified										
04/18 18:00:48 - 04/19 06:00:18		Track (-200.7, 512.4) ^{@ 04/18 18:00:30}						AR 13639 + 13640				
04/19 06:10:18 - 04/19 18:05:48		Fixed (-21.0, 706.0)						HOP412 18/20				
04/19 18:15:48 - 04/20 06:30:18		Track (-130.8, -154.8) ^{@ 04/19 18:15:30}						AR 13643				
04/20 06:40:18 - 04/23 10:52:00		Track (78.7, 511.7) ^{@ 04/20 06:40:00}						AR 13639 + 13640				
AI-poly/Open	AI-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	

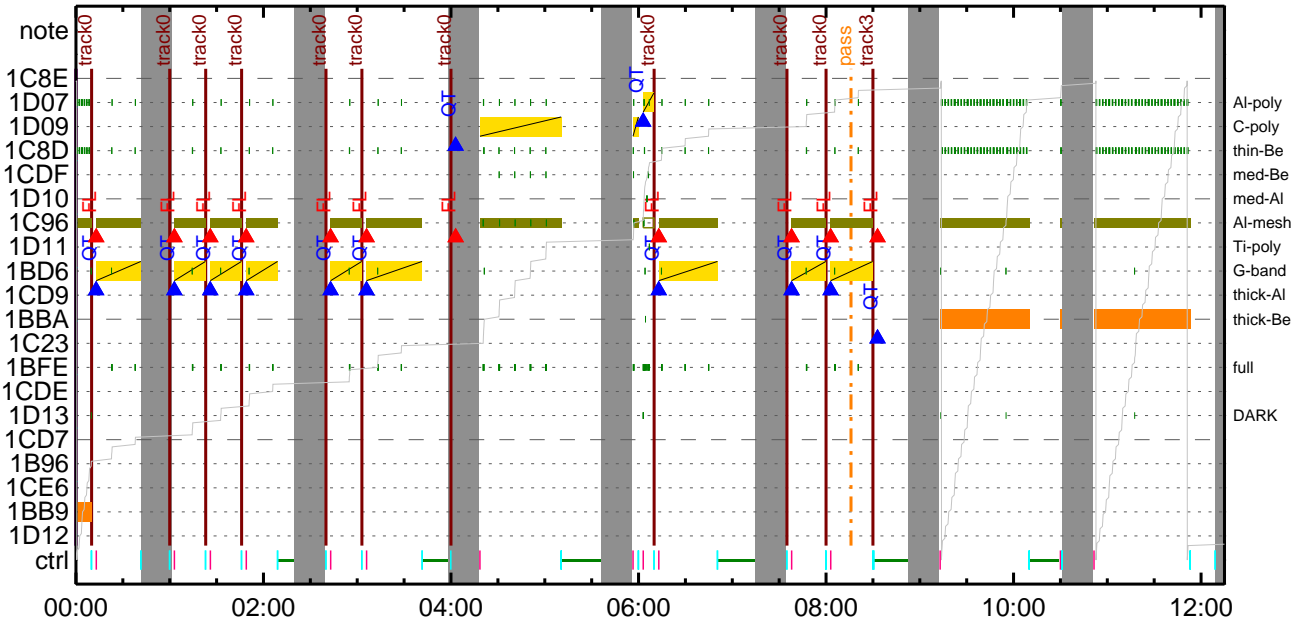
CMDI #0761 2024/04/18



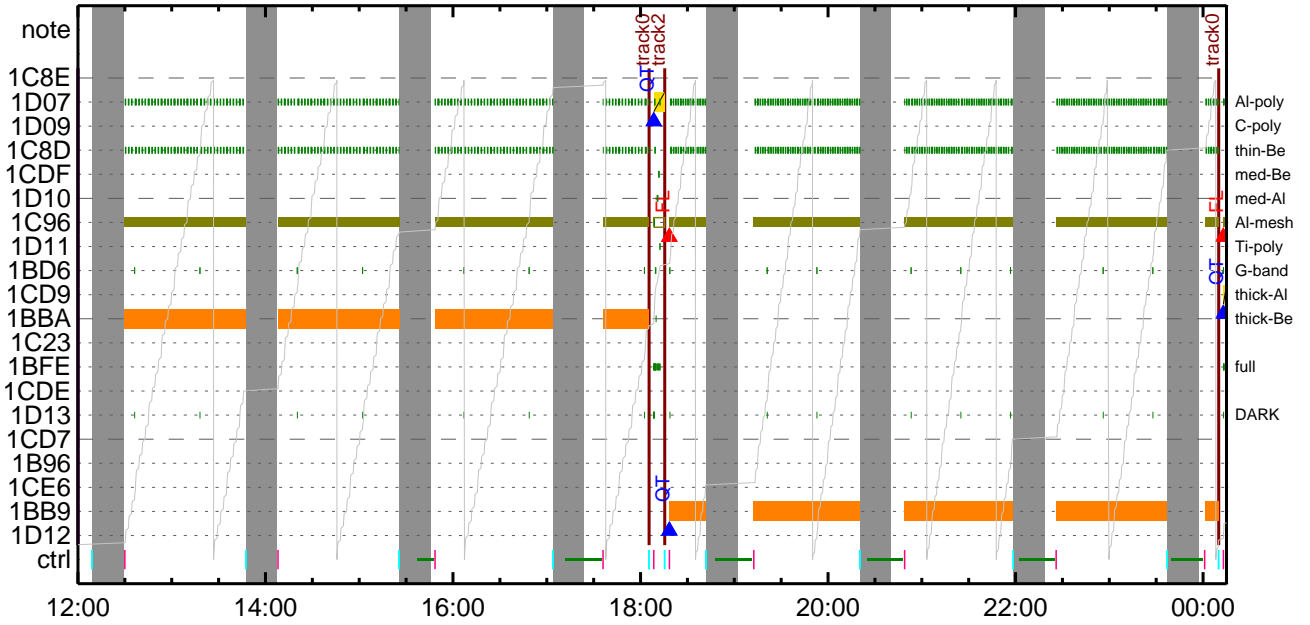
CMDI #0761 2024/04/18



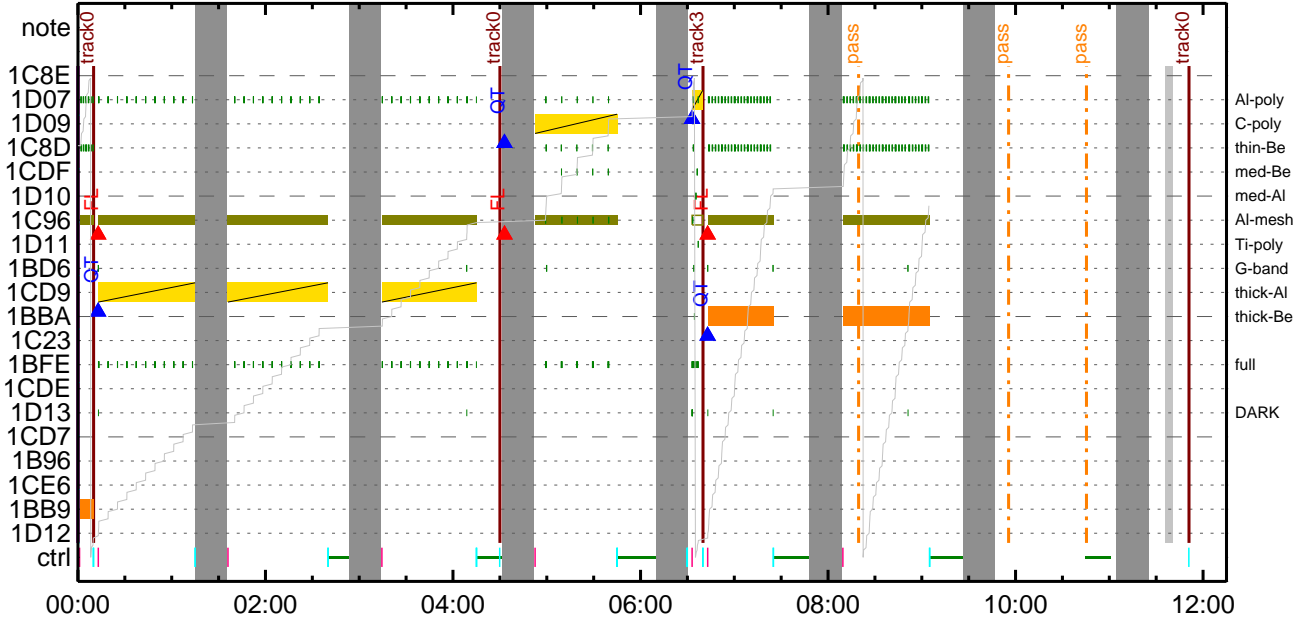
CMDI #0761 2024/04/19



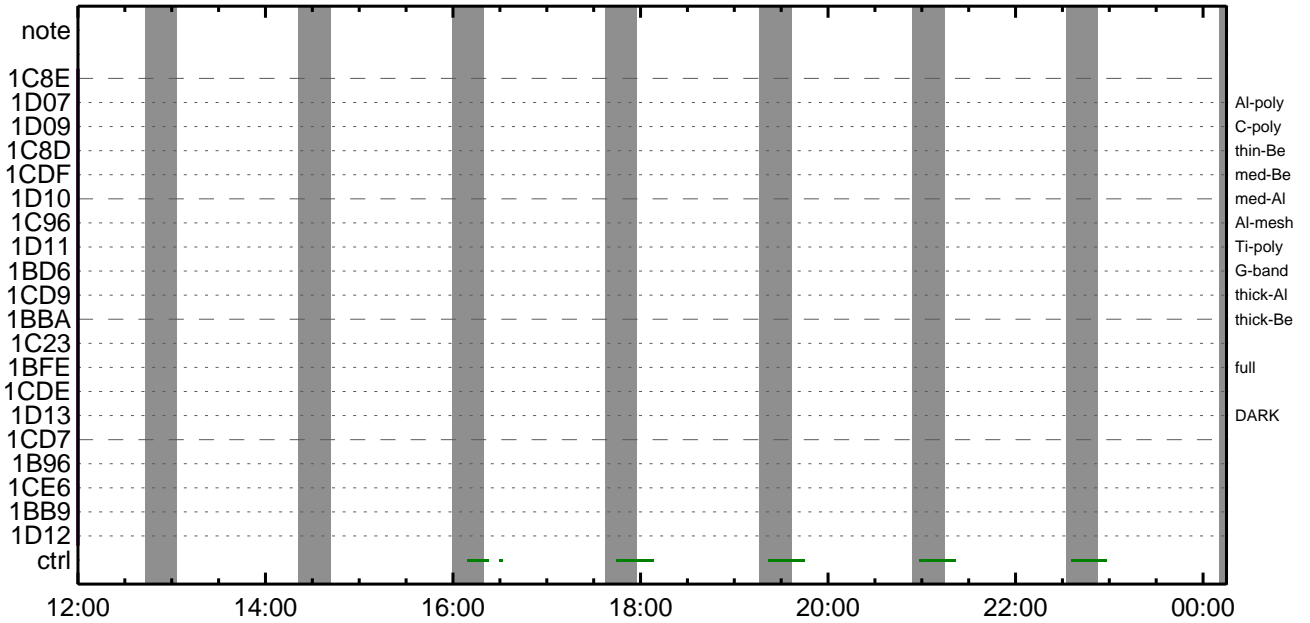
CMDI #0761 2024/04/19



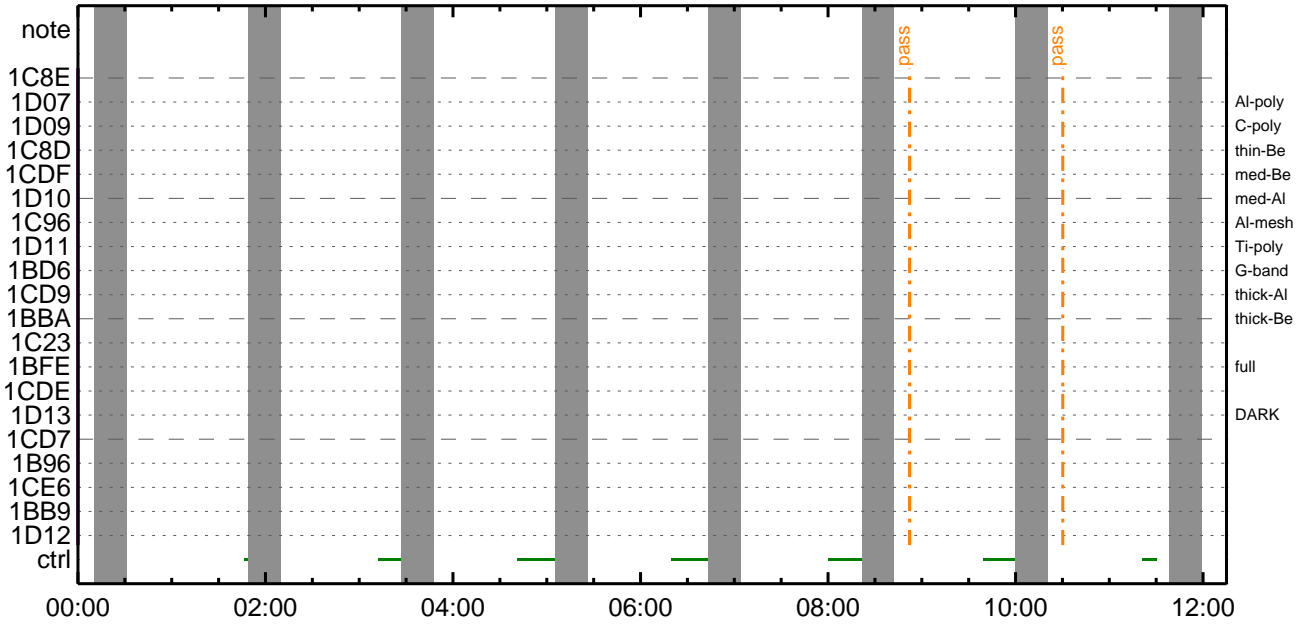
CMDI #0761 2024/04/20



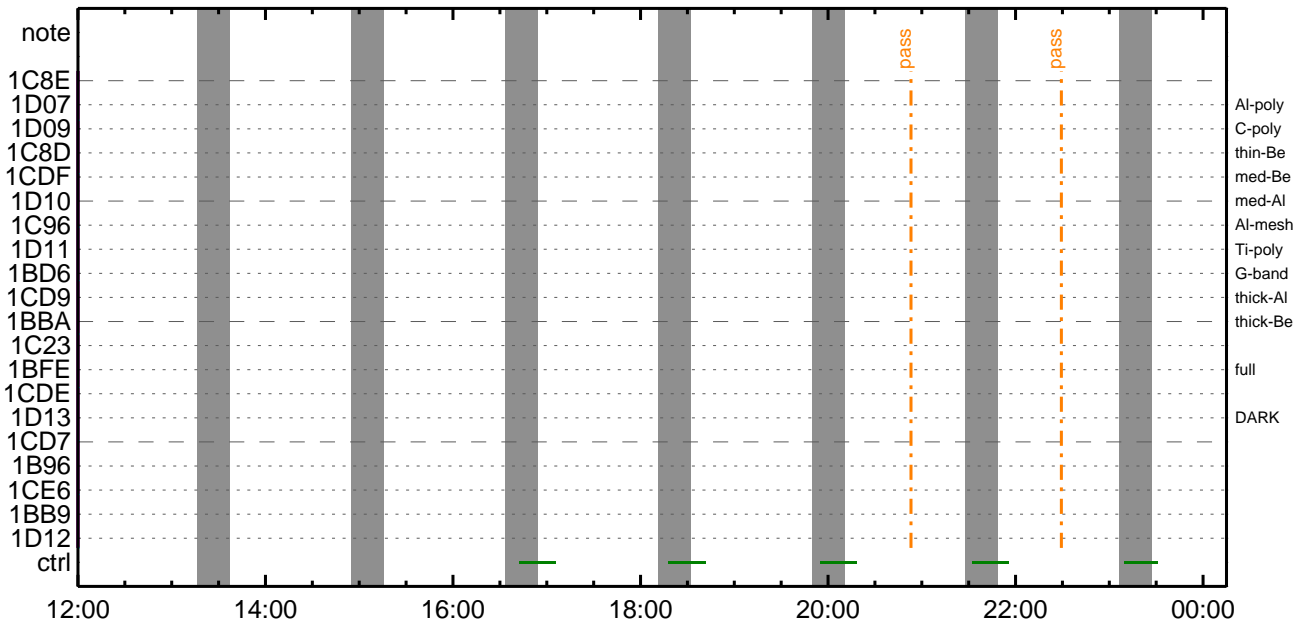
CMDI #0761 2024/04/20



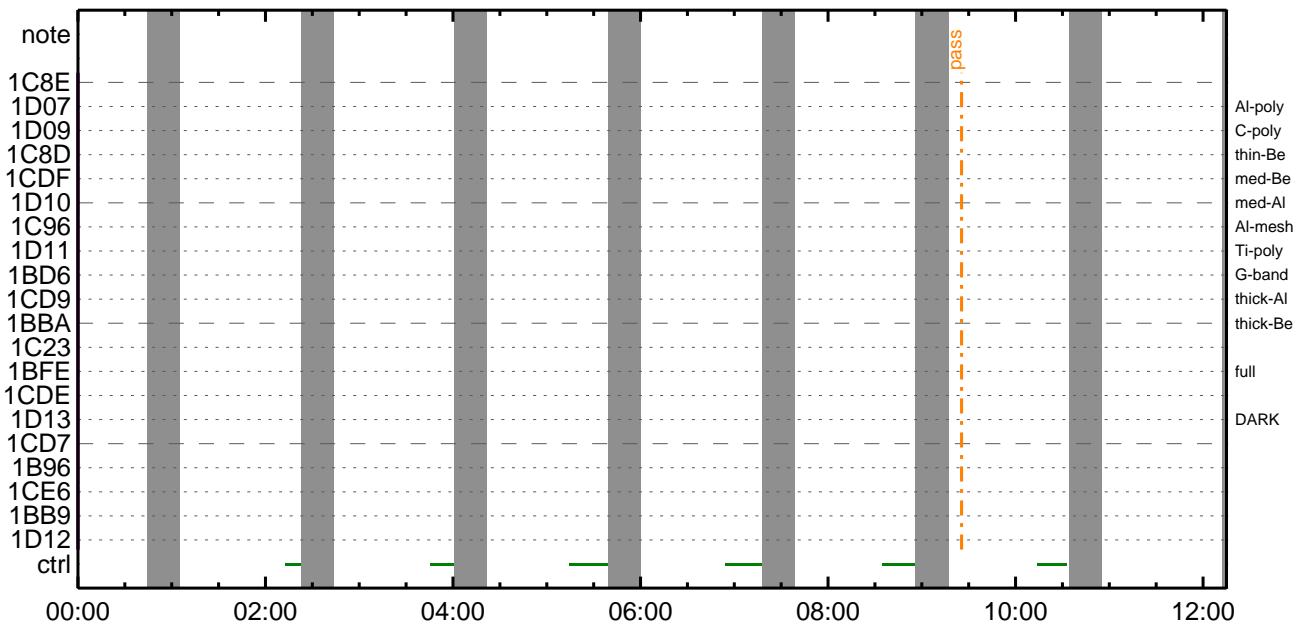
CMDI #0761 2024/04/21



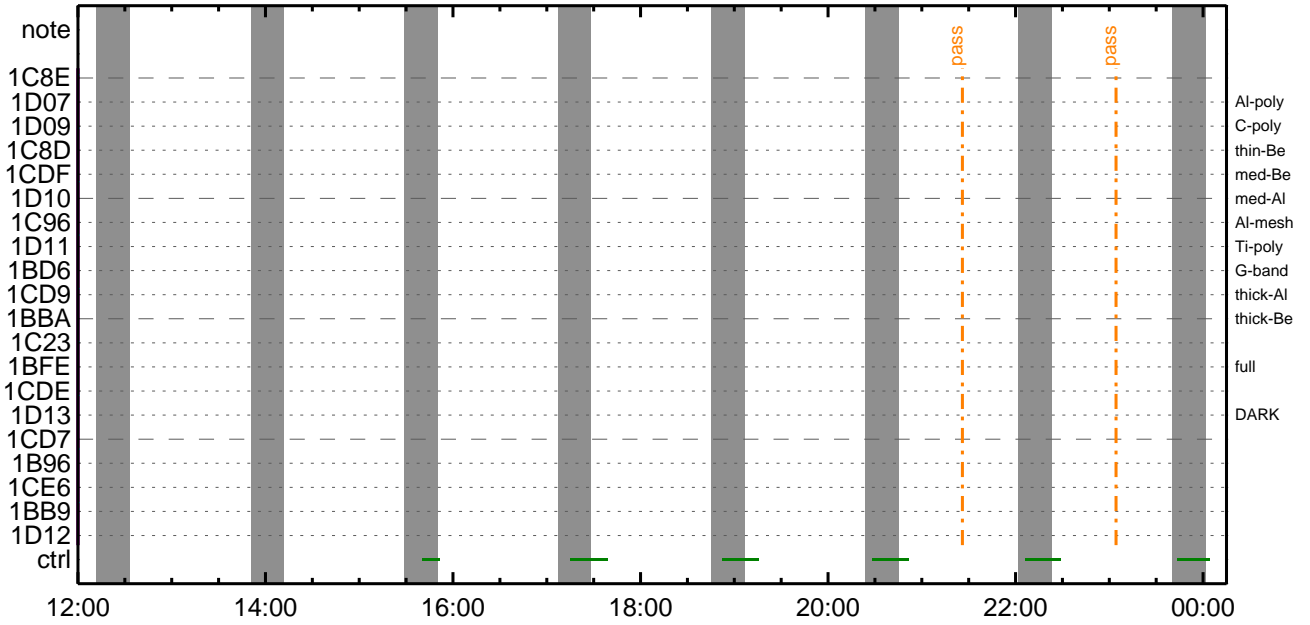
CMDI #0761 2024/04/21



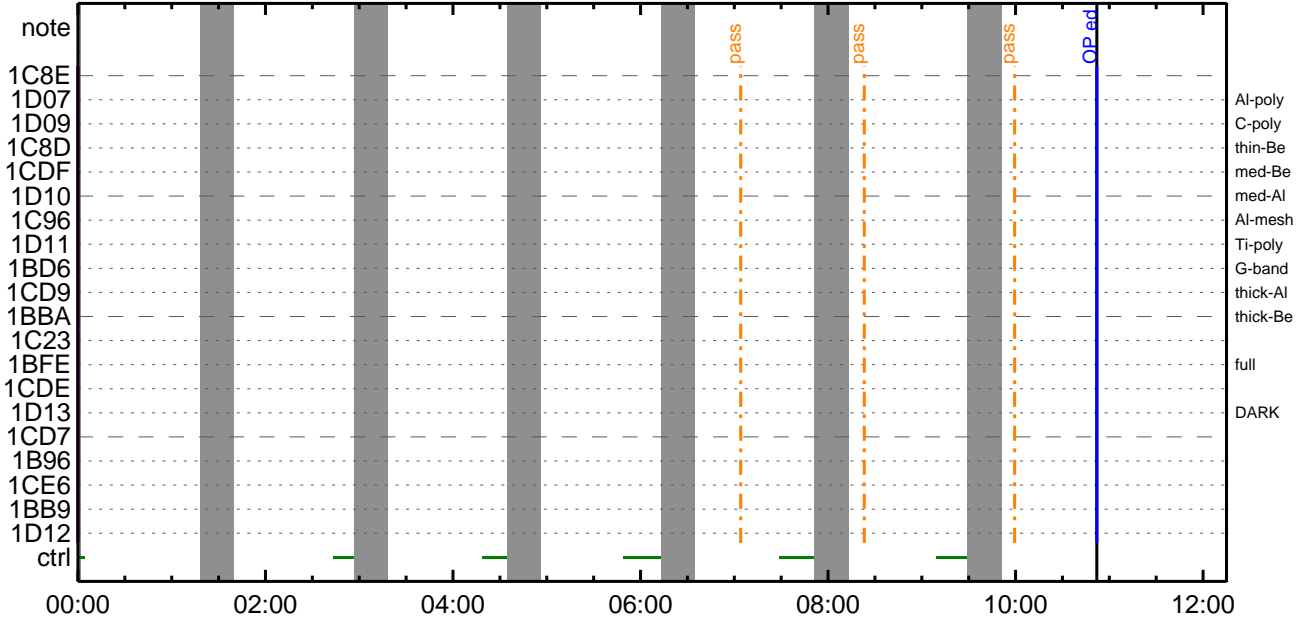
CMDI #0761 2024/04/22



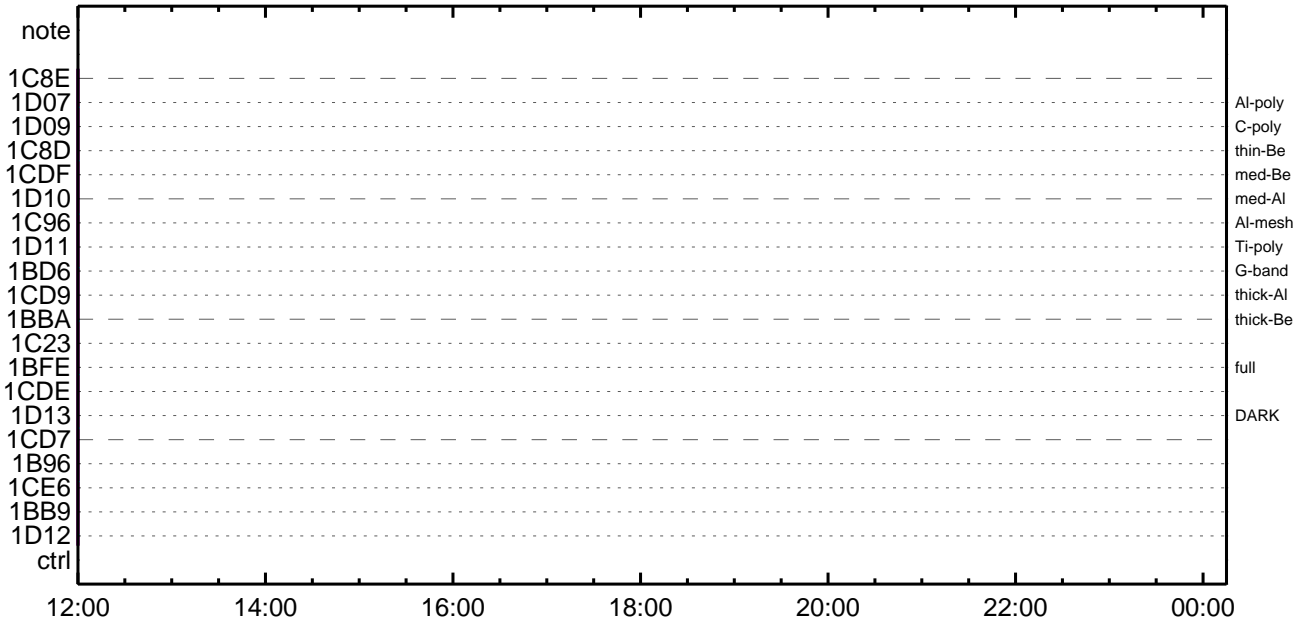
CMDI #0761 2024/04/22



CMDI #0761 2024/04/23



CMDI #0761 2024/04/23



(a) Spacecraft Operation Procedure (real-commands)

```

main-510 2024-04-18 13:36:51 278 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOS¥Á¥S¥Ä¥Û~¼Ä»Û;ä
0005 C.
0006 C. ¥À¥ß;¼¥³¥D¥ó¥ÉÄ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Ëû¿µÄñ•µ°Æ»Í×ÄÇµÍ¥Ç¥Ä¥×¥í;¼¥É;ËËèµ•ííÉ;ËñÉ¼°ÇÖñ•ñ¿¼ì¹ÇñÍ; ÇÀ®, ùñ¹ñèñDñÇÀ÷¿®ñ•ñËñññ³ñÈ; £
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷¿µ;ON
0016 C. *****
0017 C. Ç° ÆÀ, í×ÈÝñÄLOSñDñÇñÍ»p´Öñò¹íí, ñ•; ÇÉÖÍ×ñÈXÄÓONñÍ¹ÖñÈñíñËññ³ñÈ; £
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. X¥D¥ó¥É¥í¥Ä¥Û~¾ÖÄÖñ-°ÄÄèñ•ñ¿;Ç° Ê²¼ñí°ÆÀ, ¼è½Çñò¼Ä¹Öñ¹ñÈ; £
0030 C.
0031 . C. *****
0032 C. DR PT1 Äì¼í°ÆÀ,
0033 C. *****
0034 C. Ç° RESTART;ËPT1;Ëñ•ñ¿µñ¼ì¹ÇñÍ; Ç° Ê²¼ñí°ÆÀ¹Öñ»ñ°; ÇDCBC-150ñØ¿ËÈñà; £
0035 C.
0036 . C. ;ãPT1°ÆÀ, °æ»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      (¼Ä¹Ö, ;¼Ú)
0043 C.                  ÇÇ [HK1_REP_STA/STP]                             EQ        START   (¼Ä¹Ö, ;¼Ú)
0044 C.                  ÇÇ [HK1_X_VC4_ON/OFF]                             EQ        ON      (¼Ä¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ã¥Ç¥ó¥É¥ËÄÙÄØ;ËÄ°Ä°²óèè;Ë, äñí°ÆÀ, °Æ³«;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      (¼Ä¹Ö, ;¼Ú)
0050 C.                  ÇÇ [HK1_REP_STA/STP]                             EQ        START   (¼Ä¹Ö, ;¼Ú)
0051 C.                  ÇÇ [HK1_X_VC4_ON/OFF]                             EQ        ON      (¼Ä¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ñ-¼«°Æ°Ä»ñ•ñ¿, ä; Ç° Ê²¼ñò¼Ä¹Öñ¹ñÈ; £
0055 C. ¥Ç¥ó¥É¥ËÄÙÄØñÄ°Ä°²óèèñ-¶áñ¾¼ì¹ÇñÍ´°í»ñ¹ñèñDñÇÄÖñÄ; £
0056 C.
0057 . C. *****
0058 C. DR PT2 Äì¼í°ÆÀ,
0059 C. *****
0060 C. Ç° RESTART;ËPT2;Ëñ•ñ¿µñ¼ì¹ÇñÍ; Ç° Ê²¼ñí°ÆÀ¹Öñ»ñ°; ÇDCBC-151ñØ¿ËÈñà; £
0061 C.
0062 . C. ;ãPT2°ÆÀ, °æ»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      (¼Ä¹Ö, ;¼Ú)
0069 C.                  ÇÇ [HK1_REP_STA/STP]                             EQ        START   (¼Ä¹Ö, ;¼Ú)
0070 C.                  ÇÇ [HK1_X_VC4_ON/OFF]                             EQ        ON      (¼Ä¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ã¥Ç¥ó¥É¥ËÄÙÄØ;ËÄ°Ä°²óèè;Ë, äñí°ÆÀ, °Æ³«;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      (¼Ä¹Ö, ;¼Ú)
0076 C.                  ÇÇ [HK1_REP_STA/STP]                             EQ        START   (¼Ä¹Ö, ;¼Ú)
0077 C.                  ÇÇ [HK1_X_VC4_ON/OFF]                             EQ        ON      (¼Ä¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÄ, Ää»ñ; ÇXÁ÷¿µ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÄ, Ää»ñ;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

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```
0096 C.
0097 C.
0098 . C. *****
0099 C. OP/OG¶;¼¶Ê;¶¼¶Ö¶×
0100 C. *****
0101 C.
0102 . C. ;ãOP/OG¶;¼¶Ê;ã
0103 . S. OP op-510:OP
0104 C. (
0105 . S. OG og-510:OG
0106 C. (
0107 C.
0108 . C. ;ãNMOG&OPîî°è¶¼¶Ö¶×;ã
0109 C. NMOG(0x200000-0x207FFF;$ 32 kbyte)
0110 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0111 BC (20 00 7f 01 02)
0112 C. ¶¶[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. ¶¶[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. ¶¶[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. ¶¶[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. ¶¶[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. ¶¶[HK1_PKT_FORM_NO] EQ 7
0120 C. ¶¶[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. ¶¶[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. ¶¶[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. ¶¶[HK1_DMP_CHK_FLG] EQ EXEC
0124 . C. ¶¼¶Ö¶××½ªî»ð³îÇ$
0125 C. ¶¶[HK1_DMP_CHK_FLG] EQ NON
0126 . C. RAM ID=NMOG¶î¼Ê¹Ç•è²ïOKð³îÇ$
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;$ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. ¶¶[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. ¶¶[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. ¶¶[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. ¶¶[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. ¶¶[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. ¶¶[HK1_PKT_FORM_NO] EQ 7
0139 C. ¶¶[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. ¶¶[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. ¶¶[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. ¶¶[HK1_DMP_CHK_FLG] EQ EXEC
0143 . C. ¶¼¶Ö¶××½ªî»ð³îÇ$
0144 C. ¶¶[HK1_DMP_CHK_FLG] EQ NON
0145 . C. RAM ID=NMOG¶î¼Ê¹Ç•è²ïOKð³îÇ$
0146 C.
0147 C. NMOG(0x210000-0x2100FF;$ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. ¶¶[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. ¶¶[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. ¶¶[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. ¶¶[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. ¶¶[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. ¶¶[HK1_PKT_FORM_NO] EQ 7
0158 C. ¶¶[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. ¶¶[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. ¶¶[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. ¶¶[HK1_DMP_CHK_FLG] EQ EXEC
0162 . C. ¶¼¶Ö¶××½ªî»ð³îÇ$
0163 C. ¶¶[HK1_DMP_CHK_FLG] EQ NON
0164 . C. RAM ID=NMOG, RAM ID=OP¶î¼Ê¹Ç•è²ïOKð³îÇ$
0165 C.
0166 . C. ***** °Ê²¼¶î¼Ä'¶¼°¶ÊË-¶°Ä÷÷© (¾âµ-¶¼¶Ö¶×¼è½ç¶ðÄÓÃ¶Çªª¶"¶è¼i¹ç¶Çªâ) *****
0167 C. DHU¶â;¼¶Ê;Ê¼¶½, ¶i;¼¶Ê;ËðîÄ¶¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. ¶¶[HK1_PKT_FORM_NO] EQ 2
0171 C. ¶¶[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. ¶¶[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. ¶¶[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 . C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 . C. NOTICE ;$ OPOG UPLOAD¶-Ä÷÷©NG¶î¼i¹ç;ç°Ê²¼¶î¼TI-CMDÄ÷÷©¶î¼Ä¹Ô¶•¶Ê¶¶³¶Ê;£
0180 C. ¶Ð¶ç;çSET¶ËDUMP¶îË±°i¶¼¶½¹ç¹Ô¶i¶³¶Ê;£
0181 C.
0182 . C. TI¶³¶Ð¶ö¶Ë¶ðÄîç(UT)
0183 +. TI 2024-04-18 11:34:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. ¶¶[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2024-04-18 11:34:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. ¶¶[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2024-04-18 11:34:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. ¶¶[HK1_TI_CMD_NUM] EQ 1COUNTUP
```

```

0194 C.
0195 +. TI 2024-04-18 11:38:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼ñîÄë¾íîññîîŷÄŷ$ŷÄŷ~¹àîŰ
0200 C.          ¢¢[HK1_TI_CMD_ENA/DIS]      EQ      ENA
0201 C.          ¢¢[HK1_TI_CMD_NUM]          EQ      4
0202 C.          ¢¢[HK1_NEXT_EXEC_PIM]       EQ      DHU
0203 C.          ¢¢[HK1_NEXT_EXEC_DC]       EQ      0xB3
0204 C.
0205 C. *****
0206 C. TIîî°èŷÄŷóŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC      (03 ab 03 01 02)
0212 C.          ¢¢[HK1_DMP_TOP_ADRS_1]    EQ      07
0213 C.          ¢¢[HK1_DMP_TOP_ADRS_0]    EQ      2B
0214 C.          ¢¢[HK1_DMP_BLOCK_NUM]     EQ      3
0215 C.          ¢¢[HK1_DMP_REPEAT_NUM]    EQ      0
0216 C.          ¢¢[HK1_DMA_DMP_PIM]       EQ      DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC      (07 0b f8)
0219 C.          ¢¢[HK1_PKT_FORM_NO]       EQ      7
0220 C.          ¢¢[HK1_PKT_GEN_TIME]      EQ      0.25 s
0221 C.          ¢¢[HK1_S_TLM_BIT_RATE]    EQ      32k
0222 C.          ¢¢[HK1_X_TLM_BIT_RATE]    EQ      4M
0223 C.          ¢¢[HK1_DMP_CHK_FLG]      EQ      EXEC
0224 C.
0225 C. ŷÄŷóŷ×½ªî»ñò³îÇ$
0226 C.          ¢¢[HK1_DMP_CHK_FLG]       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLñî¾È¹Ç•è²ìOKñò³îÇ$
0229 C.
0230 C. DHUŷä;¼ŷÉ;Ê¼ý½,ŷi;¼ŷÈ;Ëñòîáñ¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC      (02 0a f8)
0233 C.          ¢¢[HK1_PKT_FORM_NO]       EQ      2
0234 C.          ¢¢[HK1_PKT_GEN_TIME]      EQ      0.5S
0235 C.          ¢¢[HK1_S_TLM_BIT_RATE]    EQ      32K
0236 C.          ¢¢[HK1_X_TLM_BIT_RATE]    EQ      4M
0237 C.
0238 C. Stop EIS observation and temporarily disable EIS mode changes
0239 C.
0240 C.
0241 C. ***** Start EIS operation (TI set) *****
0242 C. Execute, after the success of OP upload.
0243 C. Set EIS TI-commands
0244 +. TI 2024-04-18 11:38:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2024-04-18 11:38:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]      EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2024-04-18 11:38:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC      (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]      EQ      1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP ´ûÃîñî»ó¾ŷñÈÄñ¹ñèDCBC•×²è *****
0265 C. (¾å°îŷóŷÄŷÈŷPŷÈŷáŷçŷèñÈ¾¾ñ¾¼Ä»ñ¹ñè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷÐŷ¹•î Daily±;îññÈ´Øñ¹ñèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. ;ãLOSŷÄŷ$ŷÄŷ~¼Ä»Ü;ã
0276 C.
0277 C. ***** LOS *****
0278 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-511 2024-04-18 13:36:51 156 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~^MÁ»Ü;ä
0005 C.
0006 C. YÁY$;M¥³YD¥óYÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èµ¿µÁµ•µ°È»Í×ÁÇµÍYçYÁY×Yí;M¥É;ÈÈèµ•íÉ;ÈÈÈ°ÇÖµ•µ¿%i¹ÇµÍ;çÁ®,ùµ¹èµµµÇÁ÷¿®µ•µÈµµµ³µÈ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ()
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 C.
0046 C. ***** XRT START *****
0047 C.
0048 +. DC 07-F0 MDP_XRT_CTRL_MANU
0049 BC (c1)
0050 +. DC 07-F0 MDP_XRT_CTRL_MANU
0051 BC (c1)
0052 + DC 07-F0 MDP_XRT_MODE_STBY
0053 BC (c3)
0054 . C. ----- Success Verify ? OK / NG____
0055 C.
0056 C. XRT Obs. Table Upload
0057 . S. RAM ram-291:MDP_OBS_X
0058 ()
0059 C.
0060 +. DC 07-F0 MDP_DUMP_XRTTBL
0061 BC (84 07 00 00 00 3a d4)
0062 . C. ----- Comparison Check ? OK / ERR ____
0063 C.
0064 C.
0065 +. DC 07-F0 MDP_XRT_ROI_SET
0066 BC (cd 01 b1 b1 04 04)
0067 + DC 07-F0 MDP_XRT_ROI_SET
0068 BC (cd 02 b1 b1 08 08)
0069 + DC 07-F0 MDP_XRT_ROI_SET
0070 BC (cd 03 b1 b1 08 08)
0071 + DC 07-F0 MDP_XRT_ROI_SET
0072 BC (cd 04 b1 b1 06 06)
0073 + DC 07-F0 MDP_XRT_ROI_SET
0074 BC (cd 05 85 83 06 06)
0075 + DC 07-F0 MDP_XRT_ROI_SET
0076 BC (cd 06 85 83 06 06)
0077 + DC 07-F0 MDP_XRT_ROI_SET
0078 BC (cd 07 80 80 08 08)
0079 + DC 07-F0 MDP_XRT_ROI_SET
0080 BC (cd 08 80 80 20 20)
0081 + DC 07-F0 MDP_XRT_ROI_SET
0082 BC (cd 09 80 80 20 08)
0083 + DC 07-F0 MDP_XRT_ROI_SET
0084 BC (cd 0a 80 80 08 20)
0085 + DC 07-F0 MDP_XRT_ROI_SET
0086 BC (cd 0f 80 80 06 06)
0087 + DC 07-F0 MDP_XRT_ROI_SET
0088 BC (cd 10 80 80 08 08)
0089 + DC 07-F0 MDP_XRT_FLD_ENA
0090 BC (d8)
0091 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0092 BC (c8)
0093 + DC 07-F0 MDP_XRT_ARS_DIS
0094 BC (d5)
0095 + DC 07-F0 MDP_XRT_AEC_RESET
```

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0096 BC (d0)
0097 + DC 07-F0 MDP_XRT_FLD_RESET
0098 BC (da)
0099 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0100 BC (c4 08)
0101 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0102 BC (c5 0e)
0103 . C. ----- Success Verify ? OK / NG ____
0104 C.
0105 C.
0106 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0107 C.
0108 +. DC 07-F0 MDP_XRT_MODE_OBSV
0109 BC (c2)
0110 +. TI 2024-04-18 11:38:02.0
0111 DC 07-F0 MDP_XRT_MODE_OBSV
0112 BC (c2)
0113 . C. ----- Success Verify ? OK / NG ____
0114 C.
0115 C. ***** XRT END *****
0116 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0117 +. DC 07-FC EIS_MODE_CHG_ENA
0118 BC (20)
0119 . C. Verify EIS_MODE_CHG_FLG is ENA
0120 +. DC 07-FC EIS_MODE_MANU
0121 BC (21 02)
0122 . C. Verify EIS in MANUAL mode
0123 . C. Estimated OBSTBL upload time is 1m4s
0124 C. *****
0125 C. EIS START OBSTBL LOAD
0126 C. *****
0127 . S. RAM ram-820:EIS_OBSTBL
0128 ( )
0129 +. DC 07-FC EIS_DUMP_OBSTBL
0130 BC (07 07 07 00 00 70 00)
0131 C.
0132 C. Execute, after the success of OBSTBL upload.
0133 C. Set EIS TI-commands
0134 +. TI 2024-04-18 11:38:50.0
0135 DC 07-FC EIS_MODE_CHG_ENA
0136 BC (20)
0137 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0138 C. *****
0139 C. EIS END OBSTBL LOAD
0140 C. *****
0141 C.
0142 . C. ***** MDP `uAÎnÎ»ô¼YnÊÂÐn¹nèDCBC•x²è *****
0143 C. (¾â°îYÓYÁYÈYÐYËYáYçYènÈ¼n¼Á»Ün¹nè)
0144 . S. DC-BC dcbc-402:DCBC
0145 (MDP_known_event)
0146 C.
0147 C.
0148 . C. ***** YÐY¹•Ï Daily±;îÑnÈ'Øn¹nèDCBC•x²è *****
0149 . S. DC-BC dcbc-153:DCBC
0150 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0151 C.
0152 C.
0153 . C. ;ãLOS¥Á¥S¥Ã¥~¼Á»Ü;ã
0154 C.
0155 . C. ***** LOS *****
0156 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-512 2024-04-18 13:36:51 113 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSÿÁÿSÿÄÿ-¼Ä»Û;ä
0005 C.
0006 C. ÿÀÿß;¼ÿ³ÿÐÿóÿÉÄ÷ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ËçµÄµ°Ë>Í×ÁÇµÍÿçÿÿ×ÿÿí;¼ÿË;ËËËµ°ííË;ËËË¼°ÇÖµ°µç¼í¹Çµí;çÀ®, ùµ¹µËµÐµÇÄ÷ç®µ°µËµµµ³µË;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷çµ;ON
0016 C. *****
0017 C. ç" °ËÀ, í×ËÿµÄLOSµÐµÇµí»p´Öµò¹íí, µ°; çÉÖÍ×µËXÁÓONµí¹ÖµËµíµËµµµ³µË;£
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. XÿÐÿóÿËÿÿíÿÿÿ-¾ÖÄÖµ°-ÄÄËµ°µçµé; ç°Ë²¼µí°ËÀ, ¼Ë½Çµò¼Ä¹Öµ¹µË;£
0030 C.
0031 . C. *****
0032 C. DR PT1 Äí¼í°ËÀ,
0033 C. *****
0034 C. ç" RESTART;ËPT1;Ëµ°µçµ¼¼í¹Çµí; ç°Ë²¼µí¼Ä¹Öµ»µ°; çDCBC-150µØçËµà;£
0035 C.
0036 . C. ;ãPT1°ËÀ, 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 (¼Ä¹Ö, ;¼Ú)
0043 C. çç [HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0044 C. çç [HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãÿçÿóÿËÿÿËÄÜÄØ;ËÄ°Ä°²óËò;Ë, äµí°ËÀ, °Ë³«;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 (¼Ä¹Ö, ;¼Ú)
0050 C. çç [HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0051 C. çç [HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ËÀ, µ¼«°ËÄ»ßµ°µç, ä; ç°Ë²¼µò¼Ä¹Öµ¹µË;£
0055 C. ÿçÿóÿËÿÿËÄÜÄØµÄ°Ä°²óËòµ¼µ¼¼í¹Çµí´°í´°í»µ¹µËµÐµÇÄÖµÄ;£
0056 C.
0057 . C. *****
0058 C. DR PT2 Äí¼í°ËÀ,
0059 C. *****
0060 C. ç" RESTART;ËPT2;Ëµ°µçµ¼¼í¹Çµí; ç°Ë²¼µí¼Ä¹Öµ»µ°; çDCBC-151µØçËµà;£
0061 C.
0062 . C. ;ãPT2°ËÀ, 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 (¼Ä¹Ö, ;¼Ú)
0069 C. çç [HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0070 C. çç [HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãÿçÿóÿËÿÿËÄÜÄØ;ËÄ°Ä°²óËò;Ë, äµí°ËÀ, °Ë³«;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 (¼Ä¹Ö, ;¼Ú)
0076 C. çç [HK1_REP_STA/STP] EQ START (¼Ä¹Ö, ;¼Ú)
0077 C. çç [HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ËÀ, Ää»ß; çXÁ÷çµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ËÀ, 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÷çµ;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.
0099 . C. ***** MDP 'ûÃîñî»ô¼ýñëâðñ¹ñèDCBC•x²è *****
0100 C. (¾â°îÿóÿãÿëÿðÿñÿâÿçÿèñë¼¼ñ¼ã»Ûñ¹ñè)
0101 . S. DC-BC dcbc-402:DCBC
0102 (MDP_known_event)
0103 C.
0104 C.
0105 . C. ***** ÿðÿ¹•î Daily±;îñë´øñ¹ñèDCBC•x²è *****
0106 . S. DC-BC dcbc-153:DCBC
0107 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0108 C.
0109 C.
0110 . C. ;ãLOSÿÁÿSÿÃÿ´¼ã»Û;ä
0111 C.
0112 . C. ***** LOS *****
0113 C.

*** OP Sequence for XRT ***

2024/04/18	11:48:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	11:48:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	11:48:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2024/04/18	11:49:00.0	AOCS_Ore-point_Start_1_OG [0x097]						
		AOCU_NM	5	02-76	02 03 74 01 db			
2024/04/18	11:49:18.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/04/18	11:49:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/04/18	11:49:22.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/04/18	11:49:24.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/18	11:49:26.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/18	11:51:56.0	XRT_QT_PROG_SET_404_OG [0x194]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02			
2024/04/18	11:51:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e			
2024/04/18	11:54:30.0	XRT_Custom_430_OG [0x1ae]						
2024/04/18	11:55:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/18	12:18:24.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	12:18:26.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	12:18:28.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2024/04/18	12:18:30.0	AOCS_ORe-point_Start_2_OG [0x098]						
		AOCU_NM	5	02-76	00 57 74 01 db			
2024/04/18	12:18:48.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/04/18	12:18:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/04/18	12:18:52.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/04/18	12:18:54.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/18	12:18:56.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/18	12:21:26.0	XRT_QT_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c			
2024/04/18	12:21:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e			
2024/04/18	12:21:30.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/18	12:41:24.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	12:41:26.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	12:41:28.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2024/04/18	12:41:30.0	AOCS_ORe-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 4e 97 01 db			
2024/04/18	12:41:48.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/04/18	12:41:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/04/18	12:41:52.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/04/18	12:41:54.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/18	12:41:56.0	XRT_FLD_RESET_434_OG [0x1b2]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/18	12:44:26.0	XRT_QT_PROG_SET_440_OG [0x1b8]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c			
2024/04/18	12:44:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e			
2024/04/18	12:44:30.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/18	13:14:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	13:14:02.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	13:14:04.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/18	13:14:06.0	XRT_PREFLR_STRT_403_OG [0x193]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/04/18	13:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2024/04/18	13:33:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	13:33:56.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/18	13:33:58.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2024/04/18	13:34:00.0	AOCS_ORe-point_Start_4_OG [0x09a]						
		AOCU_NM	5	02-76	00 45 b2 01 db			

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2024/04/18	13:34:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2024/04/18	13:34:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2024/04/18	13:34:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2024/04/18	13:34:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2024/04/18	13:34:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/18	13:36:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2024/04/18	13:36:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e				
2024/04/18	13:37:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/18	13:56:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	13:56:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	13:56:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2024/04/18	13:57:00.0	AOCS_ORe-point_Start_5_OG [0x09b]							
		AOCU_NM	5	02-76	00 3c cc 01 db				
2024/04/18	13:57:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2024/04/18	13:57:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2024/04/18	13:57:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2024/04/18	13:57:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2024/04/18	13:57:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/18	13:59:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2024/04/18	13:59:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e				
2024/04/18	14:00:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/18	14:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	14:19:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	14:19:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2024/04/18	14:20:00.0	AOCS_ORe-point_Start_6_OG [0x09c]							
		AOCU_NM	5	02-76	00 33 e7 01 db				
2024/04/18	14:20:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2024/04/18	14:20:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2024/04/18	14:20:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2024/04/18	14:20:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2024/04/18	14:20:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/18	14:22:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2024/04/18	14:22:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e				
2024/04/18	14:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/18	14:52:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	14:52:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	14:52:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/18	14:52:06.0	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/18	14:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/18	15:11:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	15:11:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/18	15:11:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2024/04/18	15:12:00.0	AOCS_ORe-point_Start_7_OG [0x09d]							
		AOCU_NM	5	02-76	00 2b 02 01 db				
2024/04/18	15:12:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2024/04/18	15:12:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2024/04/18	15:12:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2024/04/18	15:12:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2024/04/18	15:12:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/18	15:14:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]							

2024/04/18	15:14:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e
2024/04/18	15:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	15:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	15:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	15:34:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/04/18	15:35:00.0	AOCS_Ore-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	00	22 24 01 db
2024/04/18	15:35:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	15:35:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	15:35:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	15:35:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	15:35:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	15:37:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2024/04/18	15:37:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e
2024/04/18	15:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	15:57:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	15:57:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	15:57:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/04/18	15:58:00.0	AOCS_Ore-point_Start_9_OG [0x09f]	AOCU_NM	5	02-76	00	19 3f 01 db
2024/04/18	15:58:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	15:58:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	15:58:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	15:58:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	15:58:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	16:00:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2024/04/18	16:00:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e
2024/04/18	16:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	16:30:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	16:30:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	16:30:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	16:30:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/04/18	16:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/04/18	17:02:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:02:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:02:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00
2024/04/18	17:02:30.0	AOCS_Ore-point_Start_10_OG [0x0a0]	AOCU_NM	5	02-76	00	10 5a 01 db
2024/04/18	17:02:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	17:02:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	17:02:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	17:02:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	17:02:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	17:05:26.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c
2024/04/18	17:05:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e
2024/04/18	17:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	17:25:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:25:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:25:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00

2024/04/18	17:25:30.0	AOCS_ORe-point_Start_11_OG [0x0a1] AOCU_NM	5	02-76	00 07 74 01	db
2024/04/18	17:25:48.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	17:25:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	17:25:52.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	17:25:54.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	17:25:56.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	17:28:26.0	XRT_QT_PROG_SET_440_OG [0x1b8] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c	
2024/04/18	17:28:28.0	XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e	
2024/04/18	17:28:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	17:50:24.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:50:26.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	17:50:28.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2024/04/18	17:50:30.0	AOCS_ORe-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00 00 00 00 00	
2024/04/18	17:50:48.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9	
2024/04/18	17:50:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2024/04/18	17:50:52.0	XRT_ARS_DIS_435_OG [0x1b3] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	17:53:28.0	XRT_QT_PROG_SET_401_OG [0x191] MDP_XRT_QT_PROG_SET	2	07-F0	c4 13	
2024/04/18	17:53:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	18:00:24.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:00:26.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:00:28.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2024/04/18	18:00:30.0	AOCS_ORe-point_Start_13_OG [0x0a3] AOCU_NM	5	02-76	03 03 74 01 db	
2024/04/18	18:00:48.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	18:00:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	18:00:52.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	18:00:54.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	18:00:56.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	18:03:26.0	XRT_QT_PROG_SET_416_OG [0x1a0] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a	
2024/04/18	18:03:28.0	XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e	
2024/04/18	18:03:30.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2024/04/18	18:08:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:08:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:08:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	18:08:36.0	XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2024/04/18	18:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2024/04/18	18:38:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:38:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1	
2024/04/18	18:38:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2024/04/18	18:39:00.0	AOCS_ORe-point_Start_14_OG [0x0a4] AOCU_NM	5	02-76	00 ff 75 01 db	
2024/04/18	18:39:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8	
2024/04/18	18:39:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2024/04/18	18:39:22.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0	
2024/04/18	18:39:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5	
2024/04/18	18:39:26.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da	
2024/04/18	18:41:56.0	XRT_QT_PROG_SET_440_OG [0x1b8] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c	
2024/04/18	18:41:58.0	XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e	
2024/04/18	18:42:00.0	XRT_CTRL_AUTO_408_OG [0x198]				

2024/04/18	19:01:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	19:01:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	19:01:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2024/04/18	19:02:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 03 74 01 db
2024/04/18	19:02:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2024/04/18	19:02:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2024/04/18	19:02:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2024/04/18	19:02:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2024/04/18	19:02:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/18	19:04:56.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2024/04/18	19:04:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2024/04/18	19:05:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/18	19:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	19:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	19:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/18	19:47:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/18	19:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/18	20:14:30.0	XRT_Custom_430_OG [0x1ae]				
2024/04/18	20:15:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/18	21:25:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	21:25:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	21:25:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/18	21:25:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/18	21:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/18	21:52:00.0	XRT_Custom_430_OG [0x1ae]				
2024/04/18	21:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/18	23:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	23:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/18	23:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/18	23:03:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/18	23:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/18	23:27:30.0	XRT_Custom_430_OG [0x1ae]				
2024/04/18	23:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	00:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	00:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	00:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2024/04/19	00:10:00.0	AOCS_ORe-point_Start_15_OG [0x0a5]	AOCU_NM	5	02-76	00 f6 98 01 db
2024/04/19	00:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2024/04/19	00:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2024/04/19	00:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2024/04/19	00:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2024/04/19	00:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	00:12:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c
2024/04/19	00:12:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2024/04/19	00:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	00:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	00:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	00:41:34.0	XRT_FLD_RESET_415_OG [0x19f]				

2024/04/19	00:41:36.0	XRT_PREFLR_START_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da		
			MDP_XRT_PREFLR_START	1	07-F0	e8		
2024/04/19	00:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	00:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	00:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	00:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2024/04/19	01:00:00.0	AOCS_ORe-point_Start_16_OG [0x0a6]	AOCU_NM	5	02-76	00 ed b3 01 db		
2024/04/19	01:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2024/04/19	01:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2024/04/19	01:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2024/04/19	01:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/04/19	01:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	01:02:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c		
2024/04/19	01:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e		
2024/04/19	01:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	01:22:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	01:22:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	01:22:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2024/04/19	01:23:00.0	AOCS_ORe-point_Start_17_OG [0x0a7]	AOCU_NM	5	02-76	00 e4 cd 01 db		
2024/04/19	01:23:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2024/04/19	01:23:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2024/04/19	01:23:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2024/04/19	01:23:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/04/19	01:23:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	01:25:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c		
2024/04/19	01:25:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e		
2024/04/19	01:26:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	01:45:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	01:45:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	01:45:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2024/04/19	01:46:00.0	AOCS_ORe-point_Start_18_OG [0x0a8]	AOCU_NM	5	02-76	00 db e8 01 db		
2024/04/19	01:46:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2024/04/19	01:46:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2024/04/19	01:46:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2024/04/19	01:46:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/04/19	01:46:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	01:48:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c		
2024/04/19	01:48:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e		
2024/04/19	01:49:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	02:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	02:09:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	02:09:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	02:09:06.0	XRT_PREFLR_START_403_OG [0x193]	MDP_XRT_PREFLR_START	1	07-F0	e8		
2024/04/19	02:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	02:39:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	02:39:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	02:39:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		

2024/04/19	02:40:00.0	AOCS_ORe-point_Start_19_OG [0x0a9]	AOCU_NM	5	02-76	00	d3	03	01	db
2024/04/19	02:40:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2024/04/19	02:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2024/04/19	02:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2024/04/19	02:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2024/04/19	02:40:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0		da			
2024/04/19	02:42:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	0c		
2024/04/19	02:42:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	0e		
2024/04/19	02:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2024/04/19	03:02:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	03:02:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	03:02:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2024/04/19	03:03:00.0	AOCS_ORe-point_Start_20_OG [0x0aa]	AOCU_NM	5	02-76	00	ca	25	01	db
2024/04/19	03:03:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2024/04/19	03:03:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2024/04/19	03:03:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2024/04/19	03:03:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2024/04/19	03:03:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0		da			
2024/04/19	03:05:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	0c		
2024/04/19	03:05:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	0e		
2024/04/19	03:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2024/04/19	03:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	03:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	03:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2024/04/19	03:41:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2024/04/19	03:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2024/04/19	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	03:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2024/04/19	04:00:00.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00	00	00	00	00
2024/04/19	04:00:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0		d8			
2024/04/19	04:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0		c8			
2024/04/19	04:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0		d0			
2024/04/19	04:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0		d5			
2024/04/19	04:00:24.0	XRT_FLD_RESET_438_OG [0x1b6]	MDP_XRT_FLD_RESET	1	07-F0		da			
2024/04/19	04:02:56.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0		c4	12		
2024/04/19	04:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0		c5	0e		
2024/04/19	04:17:30.0	XRT_Custom_430_OG [0x1ae]								
2024/04/19	04:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2024/04/19	05:10:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	05:10:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	05:10:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0		da			
2024/04/19	05:10:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0		e8			
2024/04/19	05:13:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0		e9			
2024/04/19	05:55:30.0	XRT_Custom_430_OG [0x1ae]								
2024/04/19	05:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0		c0			
2024/04/19	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0		c1			
2024/04/19	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]								

2024/04/19	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		MDP_XRT_FLD_DIS		1	07-F0		d9		
2024/04/19	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]		1	07-F0		c9		
		MDP_XRT_FLRCTRL_DIS		1	07-F0		c9		
2024/04/19	06:00:22.0	XRT_ARS_DIS_435_OG [0x1b3]		1	07-F0		d5		
		MDP_XRT_ARS_DIS		1	07-F0		d5		
2024/04/19	06:02:58.0	XRT_QT_PROG_SET_401_OG [0x191]		2	07-F0		c4	13	
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	13	
2024/04/19	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0		
		MDP_XRT_CTRL_AUTO		1	07-F0		c0		
2024/04/19	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	06:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCs_OrE-point_Start_21_OG [0x0ab]		5	02-76	00	c1	40	01 db
		AOCU_NM		5	02-76	00	c1	40	01 db
2024/04/19	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0		d8		
		MDP_XRT_FLD_ENA		1	07-F0		d8		
2024/04/19	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8		
		MDP_XRT_FLRCTRL_ENA		1	07-F0		c8		
2024/04/19	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0		
		MDP_XRT_AEC_RESET		1	07-F0		d0		
2024/04/19	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5		
		MDP_XRT_ARS_DIS		1	07-F0		d5		
2024/04/19	06:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]		1	07-F0		da		
		MDP_XRT_FLD_RESET		1	07-F0		da		
2024/04/19	06:12:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]		2	07-F0		c4	0c	
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	0c	
2024/04/19	06:12:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		2	07-F0		c5	0e	
		MDP_XRT_FL_PROG_SET		2	07-F0		c5	0e	
2024/04/19	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0		
		MDP_XRT_CTRL_AUTO		1	07-F0		c0		
2024/04/19	06:50:30.0	XRT_CTRL_MANU_400_OG [0x190]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	06:50:32.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	06:50:34.0	XRT_FLD_RESET_415_OG [0x19f]		1	07-F0		da		
		MDP_XRT_FLD_RESET		1	07-F0		da		
2024/04/19	06:50:36.0	XRT_PREFLR_STRT_403_OG [0x193]		1	07-F0		e8		
		MDP_XRT_PREFLR_STRT		1	07-F0		e8		
2024/04/19	06:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		1	07-F0		e9		
		MDP_XRT_PREFLR_STOP		1	07-F0		e9		
2024/04/19	07:34:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	07:34:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	07:34:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCs_OrE-point_Start_22_OG [0x0ac]		5	02-76	00	b8	5b	01 db
		AOCU_NM		5	02-76	00	b8	5b	01 db
2024/04/19	07:35:18.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0		d8		
		MDP_XRT_FLD_ENA		1	07-F0		d8		
2024/04/19	07:35:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8		
		MDP_XRT_FLRCTRL_ENA		1	07-F0		c8		
2024/04/19	07:35:22.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0		
		MDP_XRT_AEC_RESET		1	07-F0		d0		
2024/04/19	07:35:24.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5		
		MDP_XRT_ARS_DIS		1	07-F0		d5		
2024/04/19	07:35:26.0	XRT_FLD_RESET_434_OG [0x1b2]		1	07-F0		da		
		MDP_XRT_FLD_RESET		1	07-F0		da		
2024/04/19	07:37:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]		2	07-F0		c4	0c	
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	0c	
2024/04/19	07:37:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		2	07-F0		c5	0e	
		MDP_XRT_FL_PROG_SET		2	07-F0		c5	0e	
2024/04/19	07:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0		
		MDP_XRT_CTRL_AUTO		1	07-F0		c0		
2024/04/19	07:59:54.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	07:59:56.0	XRT_CTRL_MANU_402_OG [0x192]		1	07-F0		c1		
		MDP_XRT_CTRL_MANU		1	07-F0		c1		
2024/04/19	07:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
		AOCs_OrE-point_Start_23_OG [0x0ad]		5	02-76	00	af	75	01 db
		AOCU_NM		5	02-76	00	af	75	01 db
2024/04/19	08:00:18.0	XRT_FLD_ENA_411_OG [0x19b]		1	07-F0		d8		
		MDP_XRT_FLD_ENA		1	07-F0		d8		
2024/04/19	08:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		1	07-F0		c8		
		MDP_XRT_FLRCTRL_ENA		1	07-F0		c8		
2024/04/19	08:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]		1	07-F0		d0		
		MDP_XRT_AEC_RESET		1	07-F0		d0		
2024/04/19	08:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]		1	07-F0		d5		
		MDP_XRT_ARS_DIS		1	07-F0		d5		
2024/04/19	08:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]		1	07-F0		da		
		MDP_XRT_FLD_RESET		1	07-F0		da		
2024/04/19	08:02:56.0	XRT_QT_PROG_SET_440_OG [0x1b8]		2	07-F0		c4	0c	
		MDP_XRT_QT_PROG_SET		2	07-F0		c4	0c	
2024/04/19	08:02:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]		2	07-F0		c5	0e	
		MDP_XRT_FL_PROG_SET		2	07-F0		c5	0e	
2024/04/19	08:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]		1	07-F0		c0		
		MDP_XRT_CTRL_AUTO		1	07-F0		c0		

2024/04/19	08:29:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	08:29:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	08:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2024/04/19	08:30:00.0	AOCS_OrE-point_Start_13_OG [0x0a3]	AOCU_NM	5	02-76	03 03 74 01 db
2024/04/19	08:30:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2024/04/19	08:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2024/04/19	08:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2024/04/19	08:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2024/04/19	08:30:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	08:30:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	08:30:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	08:30:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	08:30:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	08:32:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2024/04/19	08:32:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2024/04/19	08:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/19	09:12:00.0	XRT_Custom_430_OG [0x1ae]				
2024/04/19	09:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	10:10:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	10:10:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	10:10:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	10:10:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	10:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/19	10:29:00.0	XRT_Custom_430_OG [0x1ae]				
2024/04/19	10:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	10:31:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	10:31:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	10:31:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	10:31:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	10:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/19	10:50:30.0	XRT_Custom_430_OG [0x1ae]				
2024/04/19	10:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	11:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	11:53:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	11:53:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	11:53:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	11:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/19	12:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	12:09:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	12:09:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	12:09:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	12:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2024/04/19	12:29:00.0	XRT_Custom_430_OG [0x1ae]				
2024/04/19	12:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2024/04/19	13:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	13:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/19	13:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2024/04/19	13:47:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2024/04/19	13:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]				

2024/04/19	14:07:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	14:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2024/04/19	15:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	15:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	15:25:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	15:25:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2024/04/19	15:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	15:47:30.0	XRT_Custom_430_OG [0x1ae]						
2024/04/19	15:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2024/04/19	17:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	17:04:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	17:04:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	17:04:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2024/04/19	17:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	17:35:00.0	XRT_Custom_430_OG [0x1ae]						
2024/04/19	17:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2024/04/19	18:05:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:05:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:05:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2024/04/19	18:05:30.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00 00 00 00 00		
2024/04/19	18:05:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2024/04/19	18:05:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2024/04/19	18:05:52.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/04/19	18:08:28.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13		
2024/04/19	18:08:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	18:15:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:15:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:15:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2024/04/19	18:15:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	02 03 74 01 db		
2024/04/19	18:15:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2024/04/19	18:15:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2024/04/19	18:15:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2024/04/19	18:15:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2024/04/19	18:15:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	18:18:26.0	XRT_QT_PROG_SET_404_OG [0x194]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2024/04/19	18:18:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e		
2024/04/19	18:18:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2024/04/19	18:42:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:42:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	18:42:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	18:42:06.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2024/04/19	18:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2024/04/19	19:11:30.0	XRT_Custom_430_OG [0x1ae]						
2024/04/19	19:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
2024/04/19	20:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	20:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2024/04/19	20:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2024/04/19	20:20:36.0	XRT_PREFLR_STRT_403_OG [0x193]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		

2024/04/19	20:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/19	20:48:00.0	XRT_Custom_430_OG [0x1ae]							
2024/04/19	20:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/19	21:58:30.5	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/19	21:58:32.5	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/19	21:58:34.5	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/19	21:58:36.5	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/19	22:01:44.5	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/19	22:25:00.0	XRT_Custom_430_OG [0x1ae]							
2024/04/19	22:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/19	23:37:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/19	23:37:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/19	23:37:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/19	23:37:06.0	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/19	23:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/20	00:00:00.0	XRT_Custom_430_OG [0x1ae]							
2024/04/20	00:01:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/20	00:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	00:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	00:09:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2024/04/20	00:10:00.0	AOCS_Or-point_Start_24_OG [0x0ae]							
		AOCU_NM	5	02-76	00 fb bf 01 db				
2024/04/20	00:10:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2024/04/20	00:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2024/04/20	00:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2024/04/20	00:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2024/04/20	00:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/20	00:12:56.0	XRT_QT_PROG_SET_444_OG [0x1bc]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b				
2024/04/20	00:12:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e				
2024/04/20	00:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/20	01:15:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	01:15:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	01:15:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/20	01:15:06.0	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/20	01:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/20	01:35:00.0	XRT_Custom_430_OG [0x1ae]							
2024/04/20	01:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/20	02:40:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	02:40:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	02:40:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/20	02:40:06.0	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/20	02:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/20	03:13:30.0	XRT_Custom_430_OG [0x1ae]							
2024/04/20	03:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2024/04/20	04:15:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	04:15:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2024/04/20	04:15:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2024/04/20	04:15:06.0	XRT_PREFLR_STRT_403_OG [0x193]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2024/04/20	04:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2024/04/20	04:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

2024/04/20	04:29:56.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2024/04/20	04:30:00.0	AOCs_OrE-point_Start_12_OG [0x0a2] AOCU_NM	5	02-76	00	00	00	00
2024/04/20	04:30:16.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/04/20	04:30:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/04/20	04:30:20.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/04/20	04:30:22.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/20	04:30:24.0	XRT_FLD_RESET_438_OG [0x1b6] MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/20	04:32:56.0	XRT_QT_PROG_SET_436_OG [0x1b4] MDP_XRT_QT_PROG_SET	2	07-F0	c4	12		
2024/04/20	04:32:58.0	XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e		
2024/04/20	04:51:30.0	XRT_Custom_430_OG [0x1ae]						
2024/04/20	04:52:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/20	05:45:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	05:45:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	05:45:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/20	05:45:06.0	XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/04/20	05:48:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2024/04/20	06:29:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	06:29:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	06:29:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2024/04/20	06:30:18.0	XRT_FLD_DIS_409_OG [0x199] MDP_XRT_FLD_DIS	1	07-F0	d9			
2024/04/20	06:30:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2024/04/20	06:30:22.0	XRT_ARS_DIS_435_OG [0x1b3] MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/20	06:32:58.0	XRT_QT_PROG_SET_401_OG [0x191] MDP_XRT_QT_PROG_SET	2	07-F0	c4	13		
2024/04/20	06:33:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/20	06:39:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	06:39:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	06:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2024/04/20	06:40:00.0	AOCs_OrE-point_Start_13_OG [0x0a3] AOCU_NM	5	02-76	03	03	74	01
2024/04/20	06:40:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8			
2024/04/20	06:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2024/04/20	06:40:22.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0			
2024/04/20	06:40:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5			
2024/04/20	06:40:26.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/20	06:42:56.0	XRT_QT_PROG_SET_416_OG [0x1a0] MDP_XRT_QT_PROG_SET	2	07-F0	c4	0a		
2024/04/20	06:42:58.0	XRT_FL_PROG_SET_439_OG [0x1b7] MDP_XRT_FL_PROG_SET	2	07-F0	c5	0e		
2024/04/20	06:43:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/20	07:25:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	07:25:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	07:25:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/20	07:25:06.0	XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/04/20	07:28:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2024/04/20	08:08:30.0	XRT_Custom_430_OG [0x1ae]						
2024/04/20	08:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2024/04/20	09:05:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	09:05:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1			
2024/04/20	09:05:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da			
2024/04/20	09:05:06.0	XRT_PREFLR_STRT_403_OG [0x193] MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2024/04/20	09:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						

2024/04/20	11:50:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
			MDP_XRT_CTRL_MANU	1	07-F0	c1
2024/04/20	11:51:00.0	AOCS_ORe-point_Start_12_OG [0x0a2]	AOCU_NM	5	02-76	00 00 00 00 00