

XRT Timeline to be uploaded on 2022/09/06

Period: 2022/09/06 11:02:00 - 2022/09/10 11:45:00

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Normal mode

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XOB #1CE6: HOP81/206 1-filter - Al/poly 6s, 120s cadence, G-band - 384x384 1ms													
Term	Pointing (x, y)	Comment											
09/06 11:15:00 - 09/06 15:32:00	Fixed (-21.0, 856.0)	# OP start + 10min. HOP 206 (North pole).											
09/07 10:03:00 - 09/07 17:41:00	Fixed (-21.0, 896.0)	# HOP 81 (North pole).											
PROG= 08 Inf.-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 16 2-time(s) 2.0sec													
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 90 1-time(s) 30.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 3 60-time(s) 60.0sec													
└─ Seqn= 24 1-time(s) 120.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1C97: AR - Filter-Ratio with thin-Be (long/short pairs) and Med-Be (short) with PFB, 384x384 at 1064 1048, with G-band (1ms/1ms VLS=CLS), 60 cad													
Term	Pointing (x, y)	Comment											
09/06 15:43:00 - 09/06 17:59:54	Fixed (835.0, -420.0)	# HOP 409 (AR 13089) NuSTAR priority time 15:34-21:34UT.											
09/06 18:13:00 - 09/07 02:59:54	Fixed (835.0, -420.0)	# HOP 409 continued.											
09/07 18:17:30 - 09/08 02:59:54	Fixed (835.0, -420.0)	# HOP 409 (AR 13089).											
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	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= 2 120-time(s) 60.0sec													
└─ Seqn= 37 1-time(s) 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
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Seqn= 59 1-time(s) 2.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	med-Be/Open	Open/thick-Al	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #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											
09/06 18:03:00 - 09/06 18:09:54	Fixed (0.0, 0.0)	synoptic											
09/07 06:11:30 - 09/07 06:27:24	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.											
09/07 18:07:30 - 09/07 18:14:24	Fixed (0.0, 0.0)	synoptic, shifted 4.5 min											
09/08 05:48:00 - 09/08 05:59:24	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.											
PROG= 11 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 #1CD1: HOP349 - 3-filter Synoptics (Al-mesh[2/128/723], Al-poly[12/181/1443], thin-Be[24/512/3897] with 512x512 G-band+Leak - 375min cad) + CME w

Term	Pointing (x, y)	Comment
09/07 03:03:00 - 09/07 05:40:00	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.
09/08 03:30:00 - 09/08 05:44:54	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.
PROG= 13 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 15-time(s) 1500.0sec		
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 #1CE5: HOP401 (Morphology with Al/poly long/short pairs) with PFB, 512x512 at 1064 1048, with G-band (1ms/1ms leak), 300s cad

Term	Pointing (x, y)	Comment
09/07 06:30:30 - 09/07 09:59:54	Track (13.9, -315.8) @ 09/07 06:27:30	# AR 13092 (HOP 401 officially 8-10UT).
09/08 06:02:30 - 09/08 10:37:55	Track (225.5, -311.8) @ 09/08 05:59:30	# AR 13092 (HOP 401 officially 8-10UT).

PROG= 20 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec		
Seqn= 81 1-time(s) 2.0sec		
Open/G-band Open/G-band open	Safe Norm 1ms Obs 1x1 512x512 (1064, 1048)	Q=90 0 0 2.0sec
Open/G-band Open/G-band close	Safe Norm 1ms Obs 1x1 512x512 (1064, 1048)	Q=95 0 0 2.0sec
Seqn= 82 1-time(s) 2.0sec		
Al-poly/Open Al-poly/Open close	Safe Dark 1.00s Obs 1x1 512x512 (1064, 1048)	DPCM 0 0 2.0sec
Subr= 2 20-time(s) 300.0sec		
Seqn= 94 1-time(s) 100.0sec		
Al-poly/Open thin-Be/Open close	Safe Norm 250ms Obs 1x1 512x512 (1064, 1048)	Q=95 2 0 2.0sec
Al-poly/Open thin-Be/Open close	Safe Norm 250ms Obs 1x1 512x512 (1064, 1048)	Q=95 3 0 2.0sec
Seqn= 58 1-time(s) 100.0sec		
Al-poly/Open thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 3 1 2.0sec
thin-Be/Open med-Be/Open close	Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048)	Q=95 3 1 2.0sec
Seqn= 48 1-time(s) 2.0sec		
Al-poly/Open thin-Be/Open close	Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 3 2 2.0sec
thin-Be/Open med-Be/Open close	Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048)	Q=95 3 2 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

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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
09/06 11:15:00 - 09/06 15:32:00	Fixed (-21.0, 856.0)	# OP start + 10min. HOP 206 (North pole).
09/06 15:43:00 - 09/06 17:59:54	Fixed (835.0, -420.0)	# HOP 409 (AR 13089) NuSTAR priority time 15:34-21:34UT.
09/06 18:13:00 - 09/07 02:59:54	Fixed (835.0, -420.0)	# HOP 409 continued.
09/07 03:03:00 - 09/07 05:40:00	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.
09/07 06:30:30 - 09/07 09:59:54	Track (13.9, -315.8) @ 09/07 06:27:30	# AR 13092 (HOP 401 officially 8-10UT).
09/07 10:03:00 - 09/07 17:41:00	Fixed (-21.0, 896.0)	# HOP 81 (North pole).
09/07 18:17:30 - 09/08 02:59:54	Fixed (835.0, -420.0)	# HOP 409 (AR 13089).
09/08 03:30:00 - 09/08 05:44:54	Fixed (0.0, 0.0)	synoptic, shifted + HOP 349.
09/08 06:02:30 - 09/08 10:37:55	Track (225.5, -311.8) @ 09/08 05:59:30	# AR 13092 (HOP 401 officially 8-10UT).

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

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Active Region Search

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NOT USED

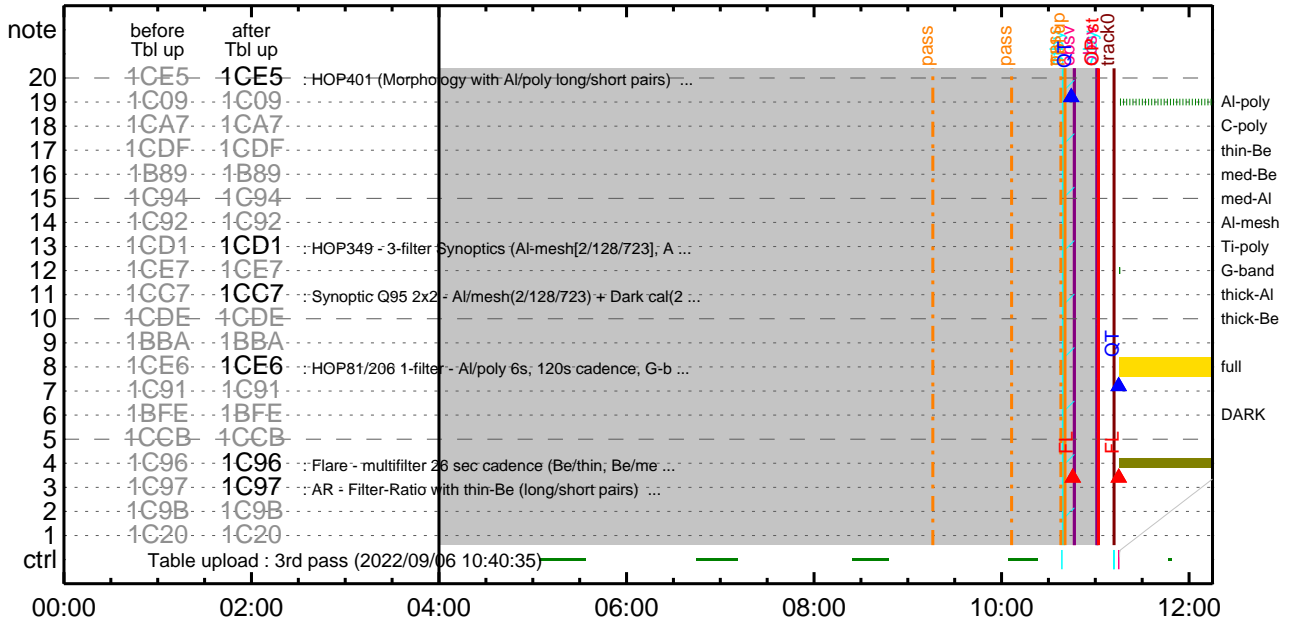
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Flare Detection

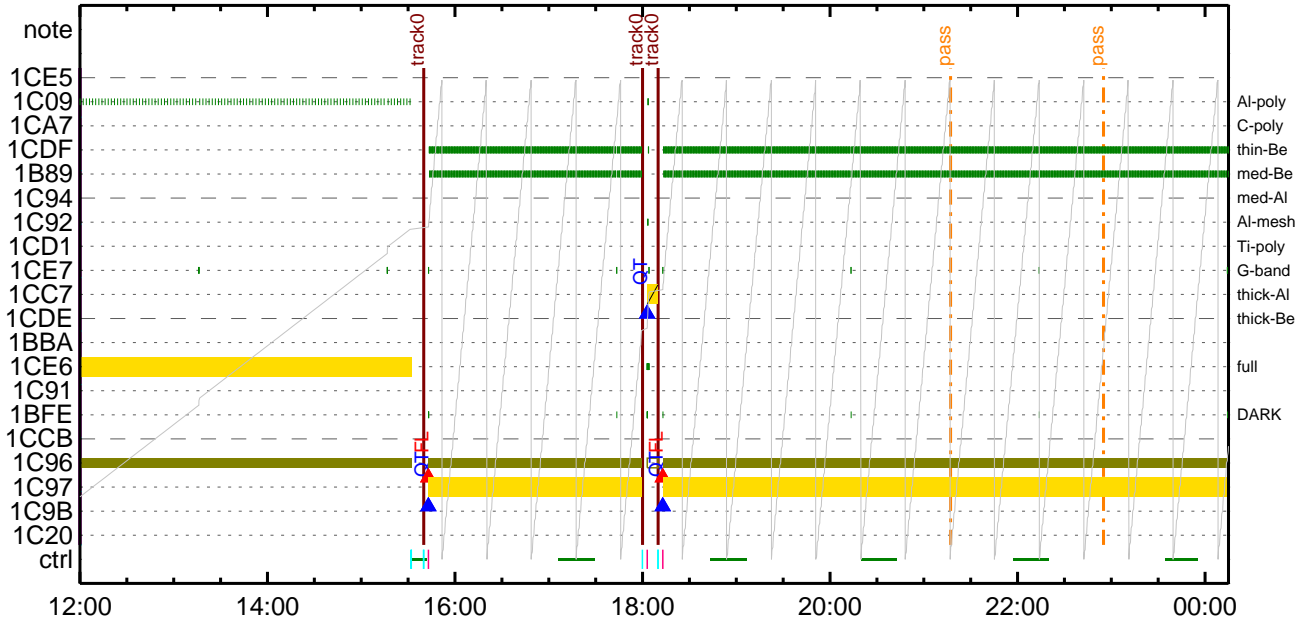
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FLD Patrol												
Term	Pointing (x, y)							Comment				
09/06 10:41:35 - 09/06 18:00:16	cannot be identified											
09/06 18:10:18 - 09/07 06:08:46	Fixed (835.0, -420.0)							# HOP 409 continued.				
09/07 06:27:48 - 09/07 18:04:46	Track (13.9, -315.8) @ 09/07 06:27:30							# AR 13092 (HOP 401 officially 8-10UT).				
09/07 18:14:48 - 09/08 05:45:16	Fixed (835.0, -420.0)							# HOP 409 (AR 13089).				
09/08 05:59:48 - 09/10 11:45:00	Track (225.5, -311.8) @ 09/08 05:59:30							# AR 13092 (HOP 401 officially 8-10UT).				
Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50			30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

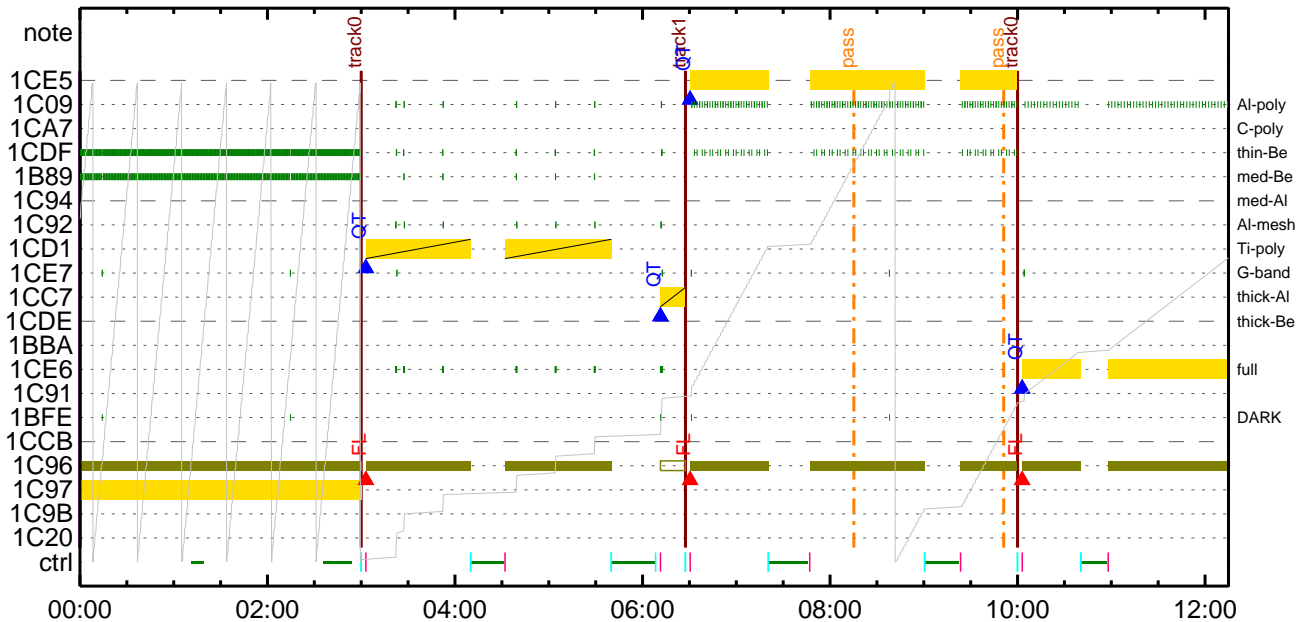
CMDI #0569 2022/09/06



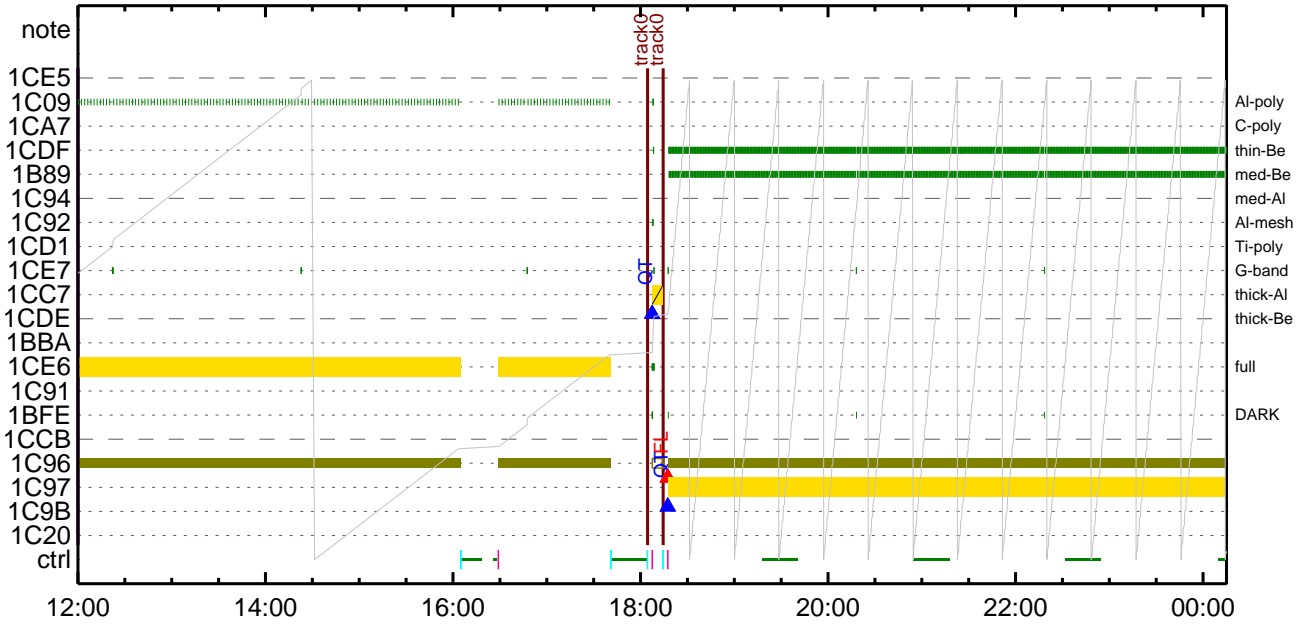
CMDI #0569 2022/09/06



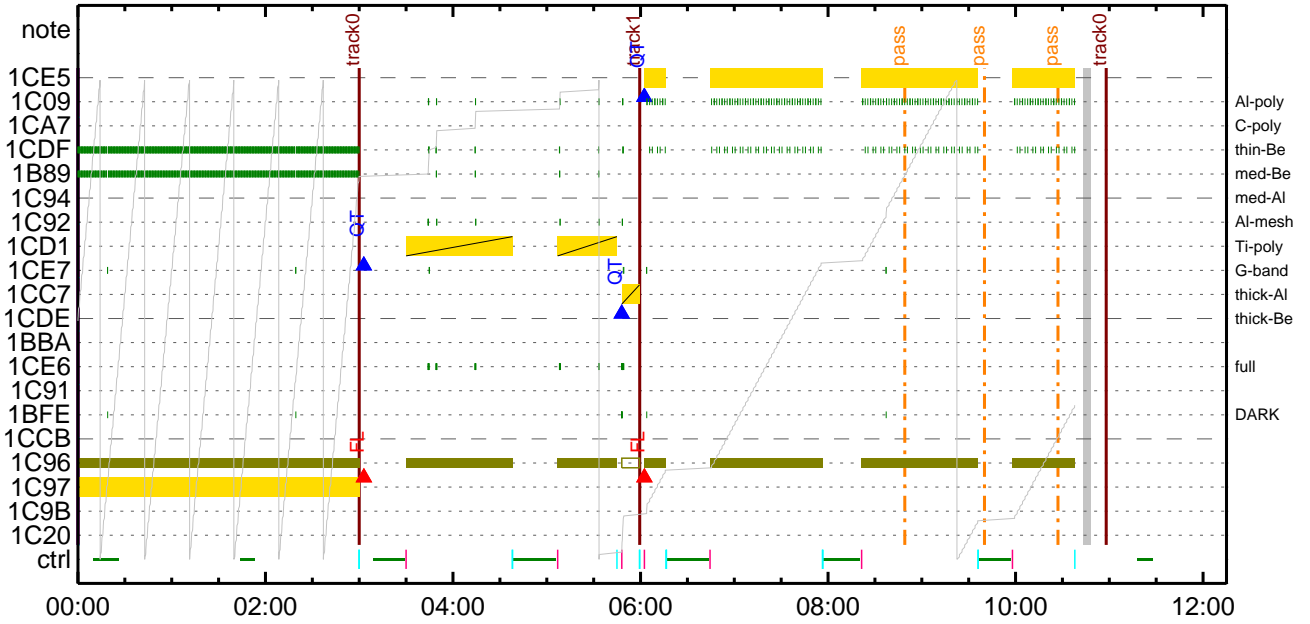
CMDI #0569 2022/09/07



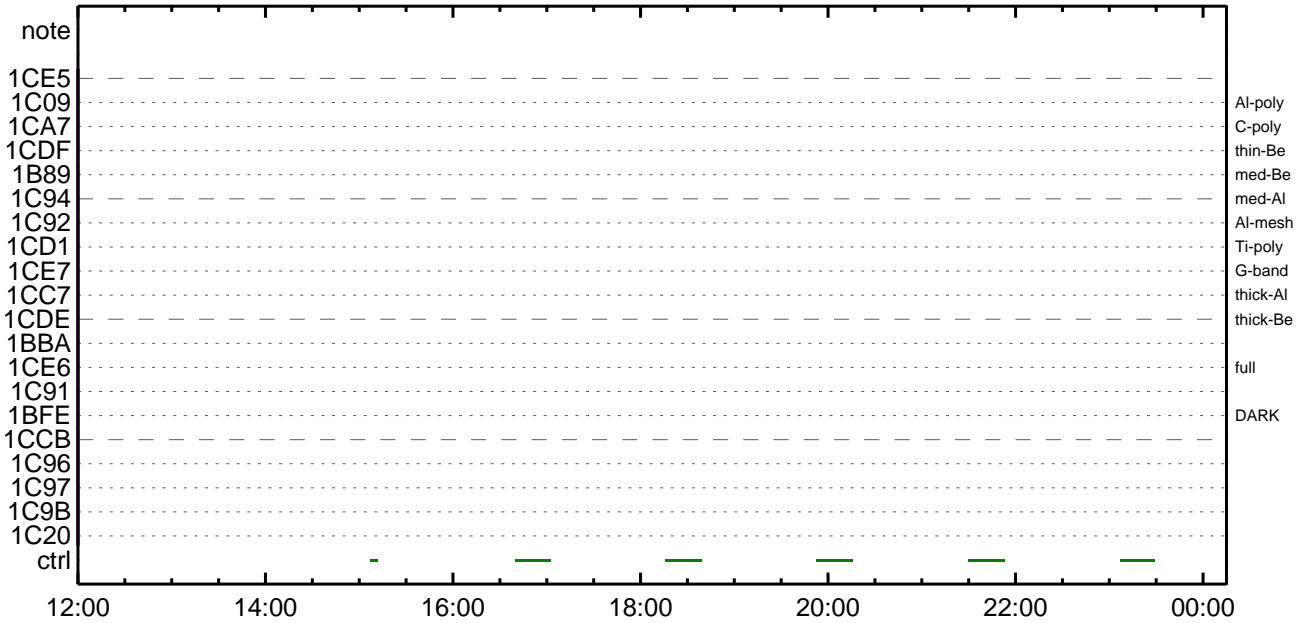
CMDI #0569 2022/09/07



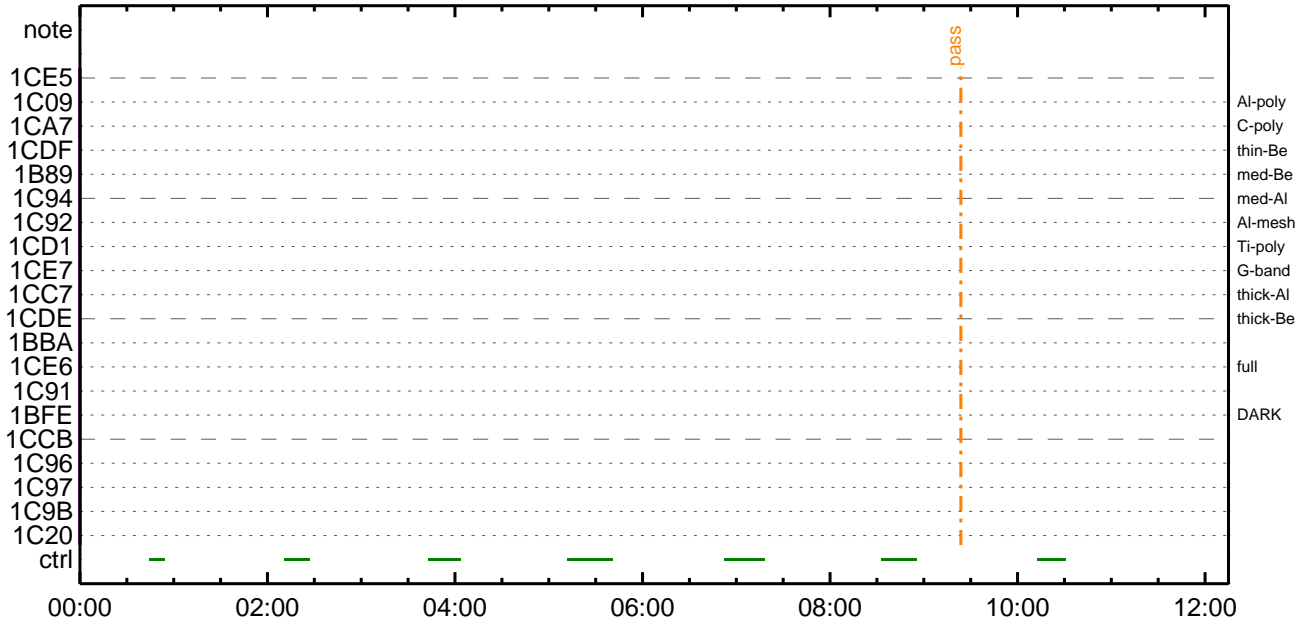
CMDI #0569 2022/09/08



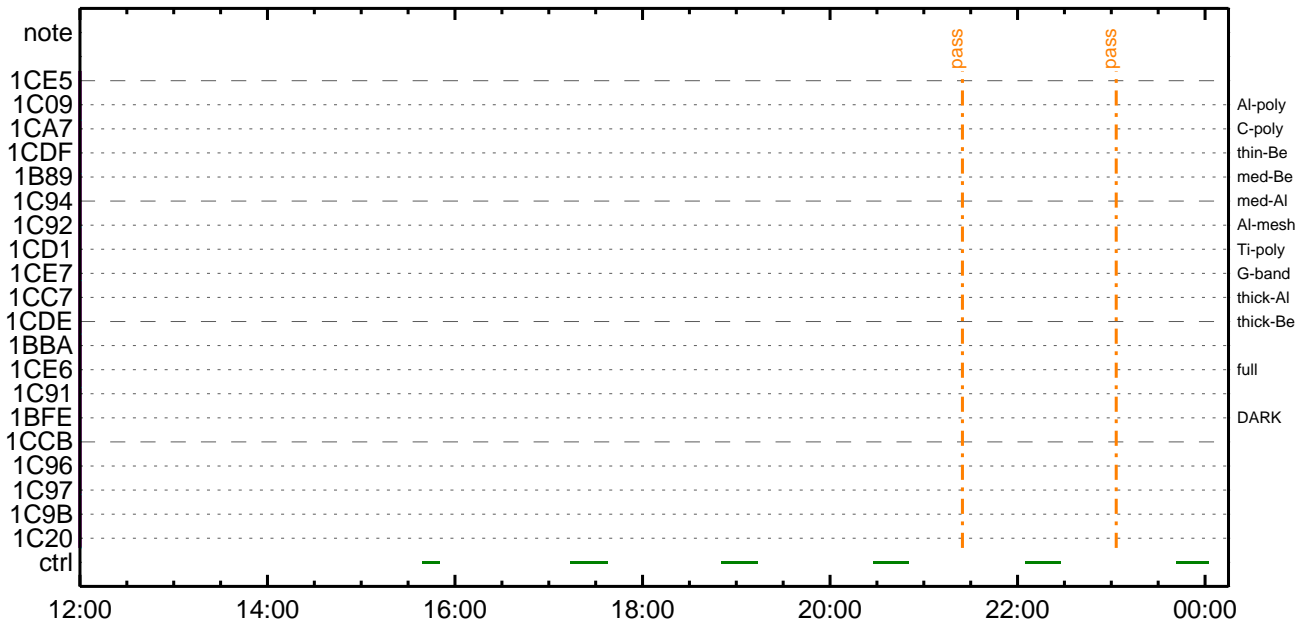
CMDI #0569 2022/09/08



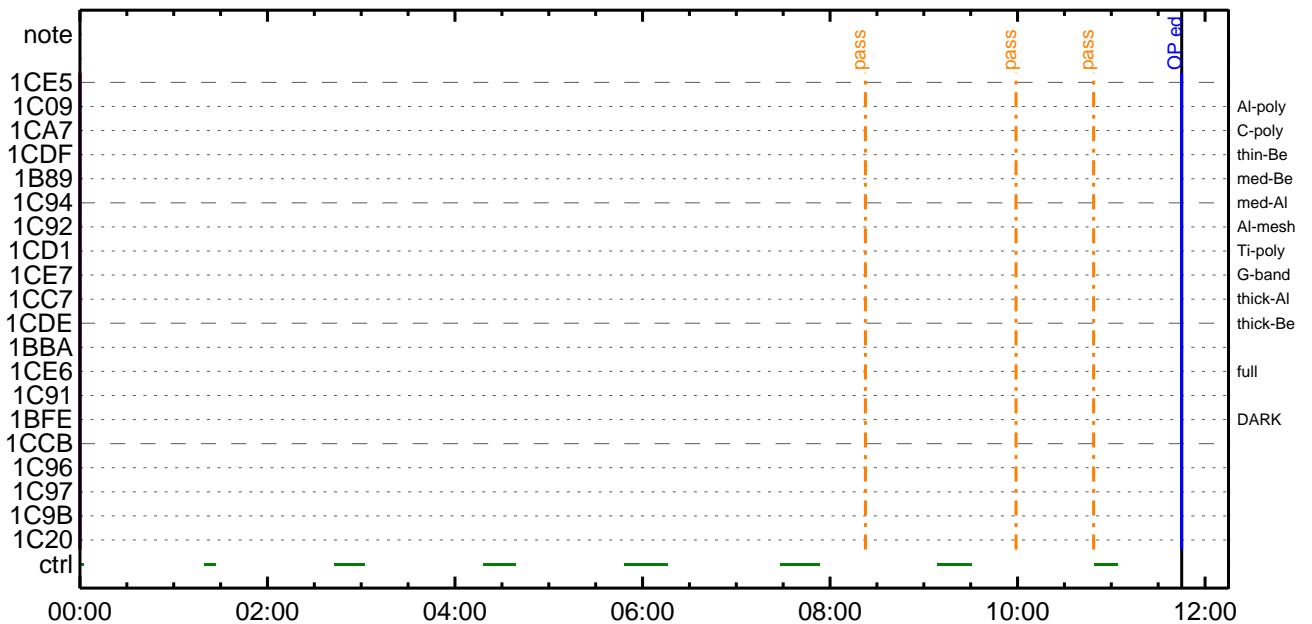
CMDI #0569 2022/09/09



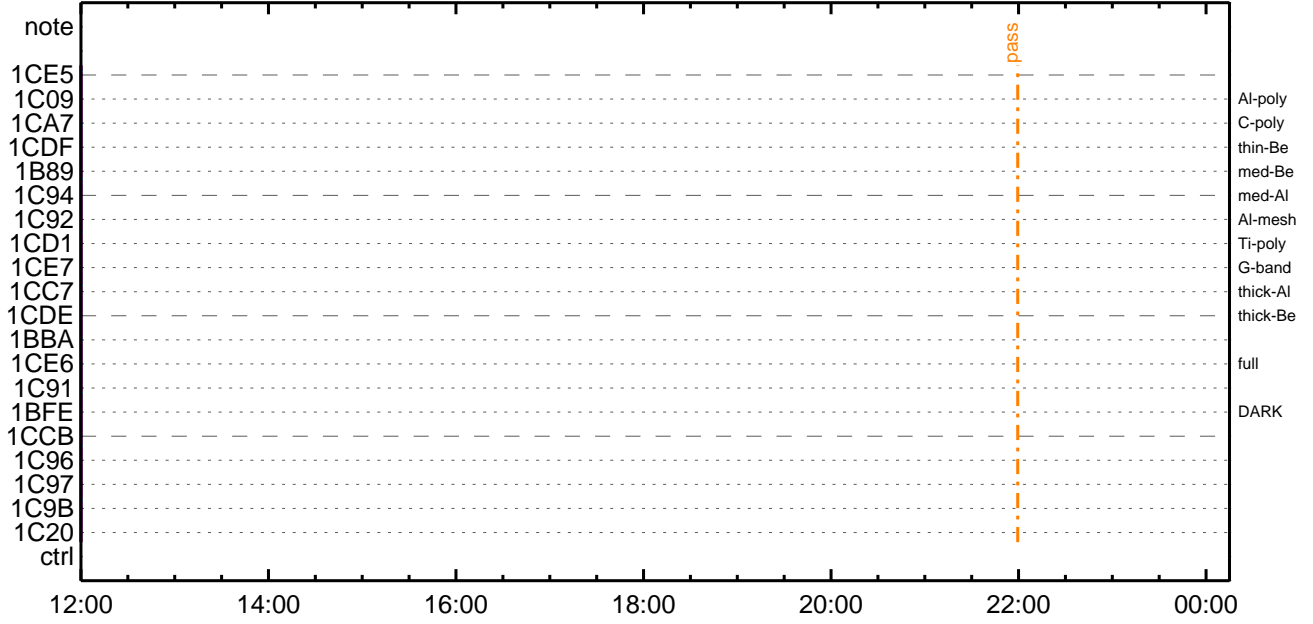
CMDI #0569 2022/09/09



CMDI #0569 2022/09/10



CMDI #0569 2022/09/10




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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOYx
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-386:OP
0104 ( )
0105 S. OG og-386:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOYx;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. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0113 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0114 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0115 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0116 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0117 +. DC 01-22 DHU_MODE_CHNG
0118 BC (07 0b f8)
0119 C. çç[HK1_PKT_FORM_NO] EQ 7
0120 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0121 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0122 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0123 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0124 C. YAYOYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0127 C.
0128 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0129 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0130 BC (20 80 7f 01 02)
0131 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0132 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0133 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0134 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0135 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0136 +. DC 01-22 DHU_MODE_CHNG
0137 BC (07 0b f8)
0138 C. çç[HK1_PKT_FORM_NO] EQ 7
0139 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0140 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0141 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0142 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0143 C. YAYOYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î½E¹ç•è²îOKò³îÇ§
0146 C.
0147 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0148 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0149 BC (21 00 41 01 02)
0150 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0151 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0152 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0153 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0154 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0155 +. DC 01-22 DHU_MODE_CHNG
0156 BC (07 0b f8)
0157 C. çç[HK1_PKT_FORM_NO] EQ 7
0158 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0159 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0160 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0161 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0162 C. YAYOYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î½E¹ç•è²îOKò³îÇ§
0165 C.
0166 C. ***** °E²¼òî½Ã´¶Á°òEÉ-ò°Á÷¿@ (¼âµ-YAYOYx½ê½çòðÁÔÃæç¼ª°"òè¼i¹çòçðâ) *****
0167 C. DHUYâ;4YE;E½Y½;Yi;4YE;Eòðîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î½i¹ç;ç°E²¼òî½TI-CMDÁ÷¿@²î½Á¹Ôª°²E²²²³²E;f
0180 C. ²²²²;çSET²E²DUMP²î½±²î½Y¹²ç¹Ôª²²³²E;f
0181 C.
0182 C. TIY³Y²YOYE²òðÁDî¿(UT)
0183 +. TI 2022-09-06 10:57:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2022-09-06 10:57:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2022-09-06 10:57:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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```

0194 C.
0195 +. TI 2022-09-06 11:01:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ          1COUNTUP
0198 C.
0199 C. °È²¼αîÄè%îíñαîŷÄŷ§ŷÄŷ-¹àîŷ
0200 C.          çç[HK1_TI_CMD_ENA/DIS]      EQ          ENA
0201 C.          çç[HK1_TI_CMD_NUM]          EQ          4
0202 C.          çç[HK1_NEXT_EXEC_PIM]      EQ          DHU
0203 C.          çç[HK1_NEXT_EXEC_DC]       EQ          0xB3
0204 C.
0205 C. *****
0206 C. TIîŷ°èŷÄŷÖŷ×
0207 C. *****
0208 C.
0209 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0210 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0211 BC          (03 ab 03 01 02)
0212 C.          çç[HK1_DMP_TOP_ADRS_1]    EQ          07
0213 C.          çç[HK1_DMP_TOP_ADRS_0]    EQ          2B
0214 C.          çç[HK1_DMP_BLOCK_NUM]     EQ          3
0215 C.          çç[HK1_DMP_REPEAT_NUM]    EQ          0
0216 C.          çç[HK1_DMA_DMP_PIM]       EQ          DHU
0217 +. DC 01-22 DHU_MODE_CHNG
0218 BC          (07 0b f8)
0219 C.          çç[HK1_PKT_FORM_NO]       EQ          7
0220 C.          çç[HK1_PKT_GEN_TIME]      EQ          0.25 s
0221 C.          çç[HK1_S_TLM_BIT_RATE]    EQ          32k
0222 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0223 C.          çç[HK1_DMP_CHK_FLG]       EQ          EXEC
0224 C.
0225 C. ŷÄŷÖŷ×½ªî»αò³îç§
0226 C.          çç[HK1_DMP_CHK_FLG]       EQ          NON
0227 C.
0228 C. RAM ID=TI_TBLαîŷÈ¹ç•è²îOKαò³îç§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼. ŷî;¼ŷÈ;Èαòîãα¹
0231 +. DC 01-22 DHU_MODE_CHNG
0232 BC          (02 0a f8)
0233 C.          çç[HK1_PKT_FORM_NO]       EQ          2
0234 C.          çç[HK1_PKT_GEN_TIME]      EQ          0.5S
0235 C.          çç[HK1_S_TLM_BIT_RATE]    EQ          32K
0236 C.          çç[HK1_X_TLM_BIT_RATE]    EQ          4M
0237 C.
0238 C. 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 2022-09-06 11:01:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC          (21 02)
0247 +. TI 2022-09-06 11:01:40.0
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. SOT TI command set
0256 C. *****
0257 C. Execute, after the success of OP upload.
0258 +. TI 2022-09-06 11:01:16.0
0259 DC 07-F0 MDP_SOT_MODE_STBY
0260 BC          (41)
0261 C. -----
0262 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0263 C. -----
0264 C. ***** SOT END *****
0265 C. ===== Begin of AOCs CMD Sequence =====
0266 C.
0267 C. *****
0268 C. ***** GASŷç;¼ŷç¼èÈÀ¼À»Ű *****
0269 C. *****
0270 C.
0271 C. *****
0272 C. MDRV OFF
0273 C. *****
0274 C.
0275 C. ***** GASŷâŷÈŷç;αîαçá MTQŷîÈ°°î»bÄã»ß *****
0276 +. DC 02-33 AOCU_MDRV-X_OFF
0277 +. DC 02-34 AOCU_MDRV-Y_OFF
0278 +. DC 02-35 AOCU_MDRV-Z_OFF
0279 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> X = OFF ?
0280 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = OFF ?
0281 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = OFF ?
0282 C.
0283 C.
0284 C. jüŷç;¼ŷç¼èÈÀαîçá;çîólminÂÔµj
0285 C.
0286 C. *****
0287 C. MDRV ON
0288 C. *****
0289 C.
0290 C. ***** MTQŷîÈ°°E³« *****
0291 +. DC 02-32 AOCU_MDRV_ON

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```

0292 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> X = ON ?
0293 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = ON ?
0294 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = ON ?
0295 . C.
0296 . C.
0297 . C. ===== End of AOCs CMD Sequence =====
0298 . C.
0299 . C.
0300 . C. ***** XRT START *****
0301 . C. Execute, after the success of OP upload.
0302 +. TI 2022-09-06 11:01:00.0
0303 . DC 07-F0 MDP_XRT_MODE_STBY
0304 . BC (c3)
0305 . C. [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0306 . C.
0307 . C. ***** XRT END *****
0308 . C.
0309 . C. ***** MDP 'úÃîâî»ö¼ÝðÊÃð¹æDCBC•x²è *****
0310 . C. (¼ã°îÝÓÝÃÝÊÝÞÝËÝáÝçÝèæÈ¼æ¼Ã»Û¹æè)
0311 . S. DC-BC dcbc-402:DCBC
0312 . (MDP_known_event)
0313 . C.
0314 . C.
0315 . C. ***** ÝÐÝ¹·Ï Daily±¿ÎÑæË'Ø¹æDCBC•x²è *****
0316 . S. DC-BC dcbc-153:DCBC
0317 . (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0318 . C.
0319 . C.
0320 . C. ;ãLOSÝÁÝ§ÝÃÝ⁻¼Ã»Û;ã
0321 . C.
0322 . C. ***** LOS *****
0323 . C.

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-388 2022-09-06 12:10:42 132 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;Èø¿øAb•µ°È»ÍxÁÇøíYçYÁY×Yí;¼YÉ;ÈÈè%µ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÁ®, ùø¹øèøøøÇÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 + DC 07-F0 MDP_XRT_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 08 08)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 85 83 06 06)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 20)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 08)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 08 20)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 80 08 08)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0f 80 80 06 06)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 10 80 80 08 08)
0058 + DC 07-F0 MDP_XRT_FLD_ENA
0059 BC (d8)
0060 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0061 BC (c8)
0062 + DC 07-F0 MDP_XRT_ARS_DIS
0063 BC (d5)
0064 + DC 07-F0 MDP_XRT_AEC_RESET
0065 BC (d0)
0066 + DC 07-F0 MDP_XRT_FLD_RESET
0067 BC (da)
0068 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0069 BC (c4 14)
0070 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0071 BC (c5 04)
0072 . C. ----- Success Verify ? OK / NG ____
0073 C.
0074 C.
0075 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0076 C.
0077 +. DC 07-F0 MDP_XRT_MODE_OBSV
0078 BC (c2)
0079 +. TI 2022-09-06 11:01:02.0
0080 DC 07-F0 MDP_XRT_MODE_OBSV
0081 BC (c2)
0082 . C. ----- Success Verify ? OK / NG ____
0083 C.
0084 C. ***** XRT END *****
0085 . C. *****
0086 C. SOT table upload
0087 C. *****
0088 . C. < Stop SP table >
0089 +. DC 07-F0 MDP_SP_CTRL_MANU
0090 BC (61)
0091 C. -----
0092 C. MDP_SP_CTRL_MODE = MANU [ ]
0093 C. -----
0094 C.
0095 . C. <Upload SP Observation Table>
```

```
0096 . S. RAM ram-288:MDP_OBS_S
0097 ( )
0098 C.
0099 . C. < Dump RAMID=MDP_OBS_S >
0100 +. DC 07-F0 MDP_DUMP_SPTBL
0101 BC (83 07 00 00 00 38 b8)
0102 C. -----
0103 C. MDP_OBS_S verify = OK/NG [ ]
0104 C. -----
0105 C.
0106 C. *****
0107 C. SOT TI command set
0108 C. *****
0109 C. Execute, after the success of TBL upload.
0110 +. TI 2022-09-06 11:01:18.0
0111 DC 07-F0 MDP_SOT_MODE_OBSV
0112 BC (40)
0113 C. -----
0114 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0115 C. -----
0116 C.
0117 C.
0118 . C. ***** MDP `uAÎaî»ö¼YºEÂÐa¹aèDCBC•x²è *****
0119 C. (¼a°îYÓYÁYÈYÞYÈYáYçYèaE¼a¼A»Üa¹aè)
0120 . S. DC-BC dcbc-402:DCBC
0121 (MDP_known_event)
0122 C.
0123 C.
0124 . C. ***** YDY¹•İ Daily±;İÑaÈ'Øa¹aèDCBC•x²è *****
0125 . S. DC-BC dcbc-153:DCBC
0126 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0127 C.
0128 C.
0129 . C. ;ãLOS¥Á¥S¥Ã¥-¼A»Ü;ã
0130 C.
0131 . C. ***** LOS *****
0132 C.
```

*** OP Sequence for XRT ***

2022/09/06	11:11:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	11:11:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	11:11:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2022/09/06	11:12:00.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	00 b3 e8 01 db
2022/09/06	11:12:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2022/09/06	11:12:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/06	11:12:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/06	11:12:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/06	11:12:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/06	11:14:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2022/09/06	11:14:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/06	11:15:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/06	15:32:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	15:32:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	15:32:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/06	15:32:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/06	15:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/06	15:39:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	15:39:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	15:39:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2022/09/06	15:40:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 25 58 b5 cb
2022/09/06	15:40:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2022/09/06	15:40:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/06	15:40:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/06	15:40:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/06	15:40:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/06	15:42:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2022/09/06	15:42:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/06	15:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/06	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	17:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2022/09/06	18:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2022/09/06	18:00:16.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2022/09/06	18:00:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2022/09/06	18:00:20.0	XRT_ARS_DIS_404_OG [0x194]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/06	18:02:58.0	XRT_QT_PROG_SET_446_OG [0x1be]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2022/09/06	18:03:00.5	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/06	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/06	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2022/09/06	18:10:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 25 58 b5 cb
2022/09/06	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2022/09/06	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/06	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/06	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/06	18:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]			

2022/09/06	18:12:56.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/06	18:12:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2022/09/06	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/07	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/07	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	03:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2022/09/07	03:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00
2022/09/07	03:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2022/09/07	03:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/07	03:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/07	03:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/07	03:02:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/07	03:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2022/09/07	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/07	04:10:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/07	04:10:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	04:10:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	04:10:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/07	04:13:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/07	04:31:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/07	04:32:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2022/09/07	05:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/07	05:40:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	05:40:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	05:40:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/07	05:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/07	06:08:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/07	06:08:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	06:08:46.0	XRT_FLD_DIS_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2022/09/07	06:08:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2022/09/07	06:08:50.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2022/09/07	06:11:28.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/07	06:11:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2022/09/07	06:27:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/07	06:27:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	06:27:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/07	06:27:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2022/09/07	06:27:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	01 03 e7 01 db
2022/09/07	06:27:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2022/09/07	06:27:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/07	06:27:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/07	06:27:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/07	06:30:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/07	06:30:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2022/09/07	06:30:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/07	07:20:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0

2022/09/07	07:20:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	07:20:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	07:20:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	07:23:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/07	07:46:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/07	07:47:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]					
2022/09/07	09:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	09:00:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	09:00:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	09:00:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	09:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/07	09:22:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/07	09:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]					
2022/09/07	09:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	09:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	09:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	10:00:00.0	AOCS_OrE-point_Start_5_OG [0x09b]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2022/09/07	10:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 b0 5b 01 db		
2022/09/07	10:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2022/09/07	10:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2022/09/07	10:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2022/09/07	10:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/09/07	10:02:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	10:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08		
2022/09/07	10:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04		
2022/09/07	10:40:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	10:40:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	10:40:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	10:40:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	10:43:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/07	10:57:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/07	10:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]					
2022/09/07	16:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	16:05:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	16:05:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	16:05:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	16:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/07	16:28:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/07	16:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_OG [0x1a8]					
2022/09/07	17:41:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	17:41:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	17:41:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	17:41:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	17:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/07	18:04:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/07	18:04:26.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	18:04:30.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2022/09/07	18:04:46.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00		
			MDP_XRT_FLD_DIS	1	07-F0	d9		

2022/09/07	18:04:48.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2022/09/07	18:04:50.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/09/07	18:07:28.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2022/09/07	18:07:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/07	18:14:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	18:14:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/07	18:14:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2022/09/07	18:14:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 25 58	b5 cb	
2022/09/07	18:14:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2022/09/07	18:14:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2022/09/07	18:14:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2022/09/07	18:14:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/09/07	18:14:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/07	18:17:26.0	XRT_QT_PROG_SET_416_OG [0x1a0]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	03	
2022/09/07	18:17:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2022/09/07	18:17:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/08	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2022/09/08	03:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00	00 00	
2022/09/08	03:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2022/09/08	03:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2022/09/08	03:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2022/09/08	03:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/09/08	03:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/08	03:02:56.0	XRT_QT_PROG_SET_421_OG [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0d	
2022/09/08	03:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04	
2022/09/08	03:29:00.0	XRT_Custom_430_OG [0x1ae]						
2022/09/08	03:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/08	04:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	04:38:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	04:38:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2022/09/08	04:38:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2022/09/08	04:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2022/09/08	05:06:00.0	XRT_Custom_430_OG [0x1ae]						
2022/09/08	05:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/08	05:44:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	05:44:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff aa 00	
2022/09/08	05:45:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2022/09/08	05:45:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2022/09/08	05:45:20.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2022/09/08	05:47:58.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b	
2022/09/08	05:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2022/09/08	05:59:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	05:59:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2022/09/08	05:59:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00	
2022/09/08	05:59:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	01 03	e7 01 db	
2022/09/08	05:59:48.0	XRT_FLD_ENA_411_OG [0x19b]						

2022/09/08	05:59:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/09/08	05:59:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2022/09/08	05:59:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2022/09/08	05:59:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/08	06:02:26.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14
2022/09/08	06:02:28.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/09/08	06:02:30.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/08	06:16:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	06:16:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	06:16:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/08	06:16:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/08	06:19:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/08	06:43:30.0	XRT_Custom_430_OG [0x1ae]				
2022/09/08	06:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/08	07:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	07:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	07:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/08	07:56:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/08	07:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/08	08:20:30.0	XRT_Custom_430_OG [0x1ae]				
2022/09/08	08:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/08	09:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	09:36:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	09:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2022/09/08	09:36:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/09/08	09:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/09/08	09:57:00.0	XRT_Custom_430_OG [0x1ae]				
2022/09/08	09:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/09/08	10:37:55.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/09/08	10:58:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	00 00 00 00 00