

Period: 2025/07/05 11:05:00 - 2025/07/15 10:29:00

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Normal mode

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

07/05 00:04:00	07/05 00:10:04	Fixed (0.0, 0.0)	PG: 045 + Synoptic, Shaded
PROG= 10	1-time(s)		

XOB #1B96: CME watch - 4x4 - AEC 2/3 - 2-filter (Be-thin, Al-poly) - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 360s cad (G-band/Leak first)

Term	Pointing (x, y)	Comment
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07/05 17:33:30 - 07/05 22:30:01 Track (588.6, -409.8) @ 07/05 16:50:00 HOP508 (~22:30UT)
07/06 16:19:00 - 07/06 22:20:00 Track (47.1, -291.6) @ 07/06 15:45:00 HOP508 (~22:30UT)
07/07 16:18:00 - 07/07 22:30:00 Track (263.6, -290.7) @ 07/07 16:15:00 HOP508 (~22:30UT)

PROG= 07 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		10-time(s)		360.0sec										
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 #1D29: HOP349 - 3-filter Synoptics (Al-mesh[8/181/2897], Al-poly[16/181/4096], thin-Be[64/1024/11571] with 512x512 G-band+Leak(1064,1048) - 45 min

Term	Pointing (x, y)	Comment
07/06 04:51:30 - 07/06 06:34:24	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted
07/07 03:51:00 - 07/07 05:47:54	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted
07/08 04:18:00 - 07/08 06:00:54	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted

PROG= 13															Inf.-time(s)																																																																																																																							
Subr= 1															1-time(s)										300.0sec																																																																																																													
Seqn=100															1-time(s)										2.0sec																																																																																																													
Open/Al-mesh															Open/Al-mesh										close										Safe										Norm										8ms										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
Open/Al-mesh															Open/Al-mesh										close										Safe										Norm										177ms										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
Open/Al-mesh															Open/Al-mesh										close										Safe										Norm										2.83s										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
Seqn= 84															1-time(s)										2.0sec																																																																																																													
Al-poly/Open															Al-poly/Open										close										Safe										Norm										16ms										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										4.00s										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
Seqn= 57															1-time(s)										2.0sec																																																																																																													
thin-Be/Open															thin-Be/Open										close										Safe										Norm										63ms										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
thin-Be/Open															thin-Be/Open										close										Safe										Norm										1.00s										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
thin-Be/Open															thin-Be/Open										close										Safe										Norm										11.3s										Obs										2x2										2048x2048 (1024, 1024)										Q=95										0										0										2.0sec									
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									
Subr= 2															6-time(s)										1200.0sec																																																																																																													
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									
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																			

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Flare mode

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XOB #1D35: 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
07/05 11:18:00 - 07/05 16:39:54	Track (552.5, -411.4) @ 07/05 11:15:00	# OP start + 10min, AR track
07/05 17:33:30 - 07/05 22:30:01	Track (588.6, -409.8) @ 07/05 16:50:00	HOP508 (~22:30UT)
07/05 22:33:07 - 07/06 04:11:30	Track (588.6, -409.8) @ 07/05 16:50:00	HOP508 (~22:30UT)
07/06 04:51:30 - 07/06 06:34:24	Fixed (0.0, 0.0)	HOP 349 + synoptic, shifted
07/06 06:47:30 - 07/06 15:34:54	Track (670.7, -405.2) @ 07/06 06:44:30	AR track
07/06 16:19:00 - 07/06 22:20:00	Track (47.1, -291.6) @ 07/06 15:45:00	HOP508 (~22:30UT)
07/06 22:55:00 - 07/07 03:47:54	Track (47.1, -291.6) @ 07/06 15:45:00	HOP508 (~22:30UT)
07/07 03:51:00 - 07/07 05:47:54	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted
07/07 06:01:00 - 07/07 16:04:54	Track (173.9, -291.5) @ 07/07 05:58:00	AR track
07/07 16:18:00 - 07/07 22:30:00	Track (263.6, -290.7) @ 07/07 16:15:00	HOP508 (~22:30UT)
07/07 22:33:06 - 07/08 03:38:30	Track (263.6, -290.7) @ 07/07 16:15:00	HOP508 (~22:30UT)
07/08 04:18:00 - 07/08 06:00:54	Fixed (0.0, 0.0)	HOP349 + synoptic, shifted
07/08 06:14:00 - 07/08 10:06:30	Track (380.4, -288.7) @ 07/08 06:11:00	AR track

PROG= 14 30-time(s)														
Subr= 1		1-time(s)		2.0sec										
Seqn= 68		1-time(s)		2.0sec										
		Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2		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= 3	1-time(s)		2.0sec										
Seqn= 10	1-time(s)		2.0sec										
	med-Al/Open	med-Al/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 11	1-time(s)		2.0sec										
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 87	1-time(s)		2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/thick-Al	Open/thick-Al	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Active Region Search

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NOT USED

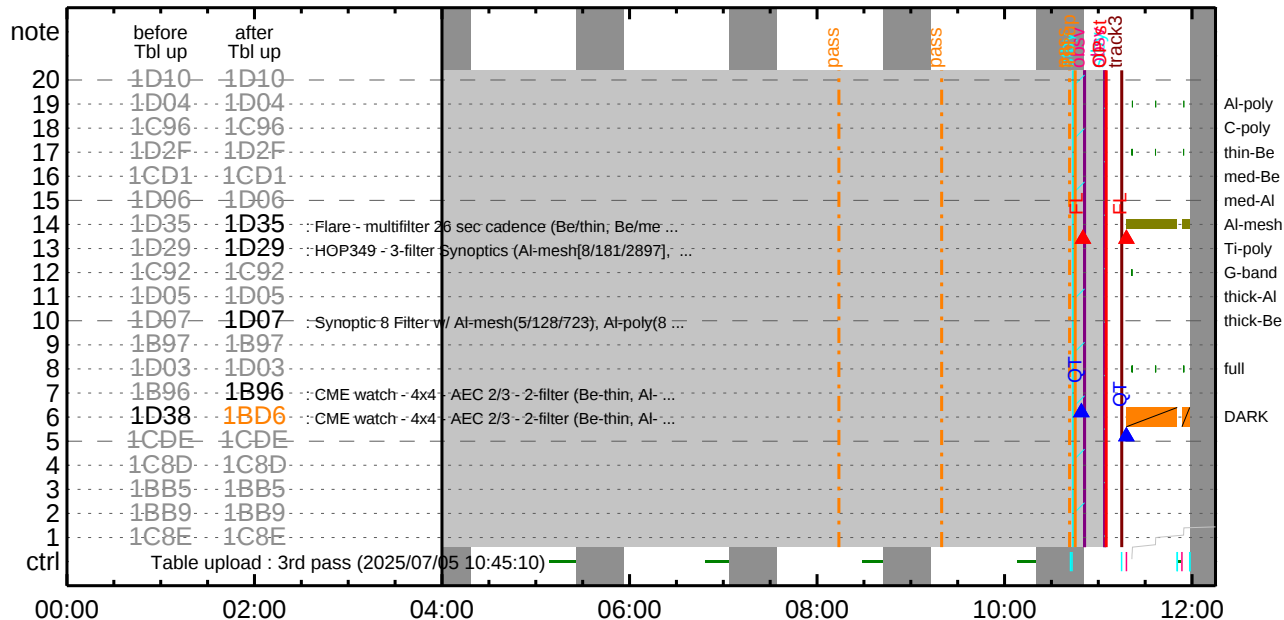
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Flare Detection

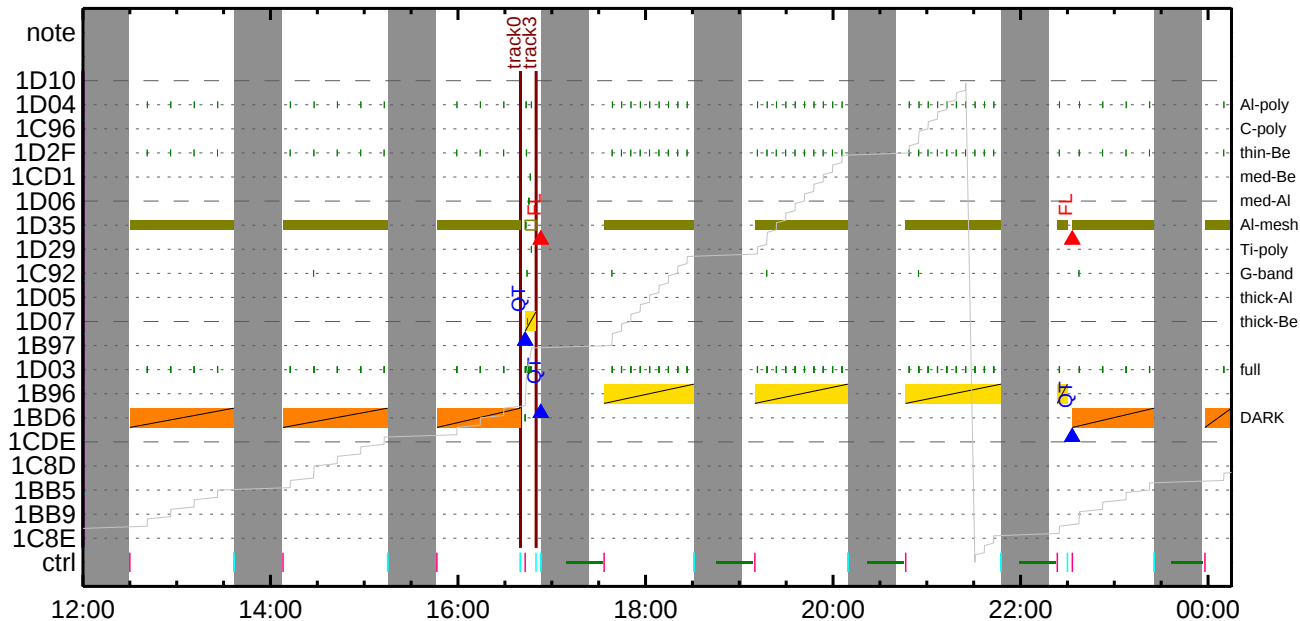
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FLD Patrol													
Term				Pointing (x, y)				Comment					
07/05 10:46:10 - 07/05 16:40:18				cannot be identified									
07/05 16:50:16 - 07/06 06:34:48				Track (588.6, -409.8) @ 07/05 16:50:00				HOP508 (~22:30UT)					
07/06 06:44:46 - 07/06 15:35:18				Track (670.7, -405.2) @ 07/06 06:44:30				AR track					
07/06 15:45:16 - 07/07 05:48:18				Track (47.1, -291.6) @ 07/06 15:45:00				HOP508 (~22:30UT)					
07/07 05:58:16 - 07/07 16:05:18				Track (173.9, -291.5) @ 07/07 05:58:00				AR track					
07/07 16:15:16 - 07/08 06:01:18				Track (263.6, -290.7) @ 07/07 16:15:00				HOP508 (~22:30UT)					
07/08 06:11:16 - 07/15 10:29:00				Track (380.4, -288.7) @ 07/08 06:11:00				AR track					
Al-poly/Open				Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8	Q=50		
Default Filter				Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer Interval

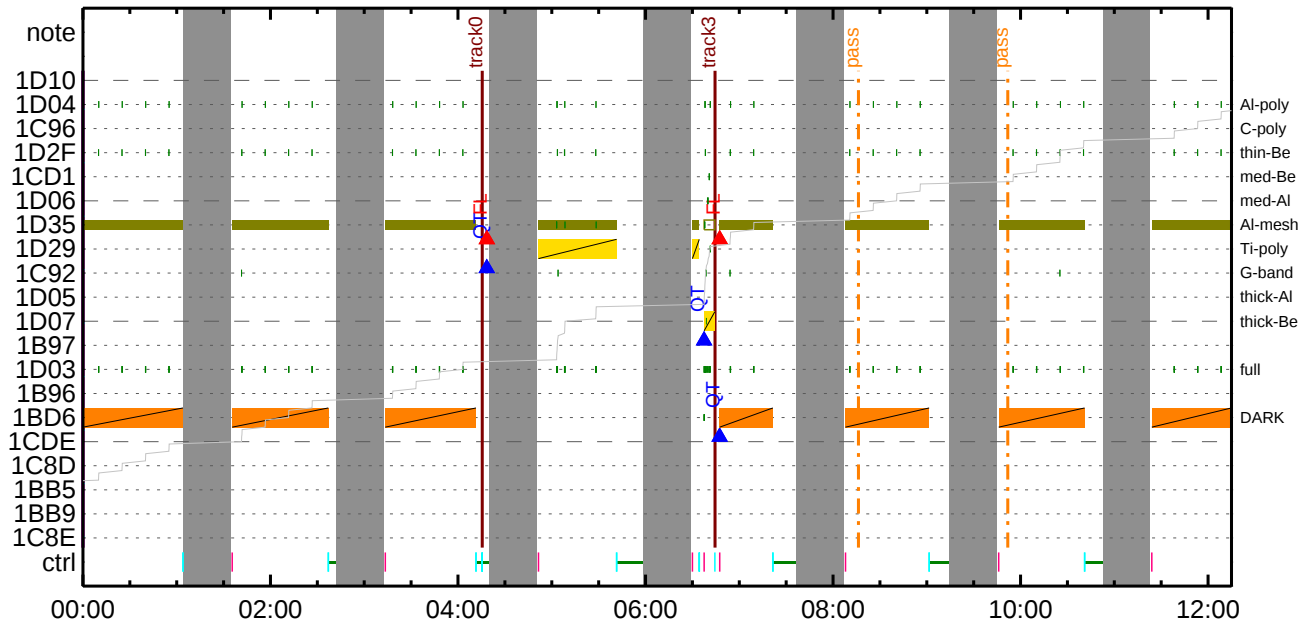
CMDI #0689 2025/07/05



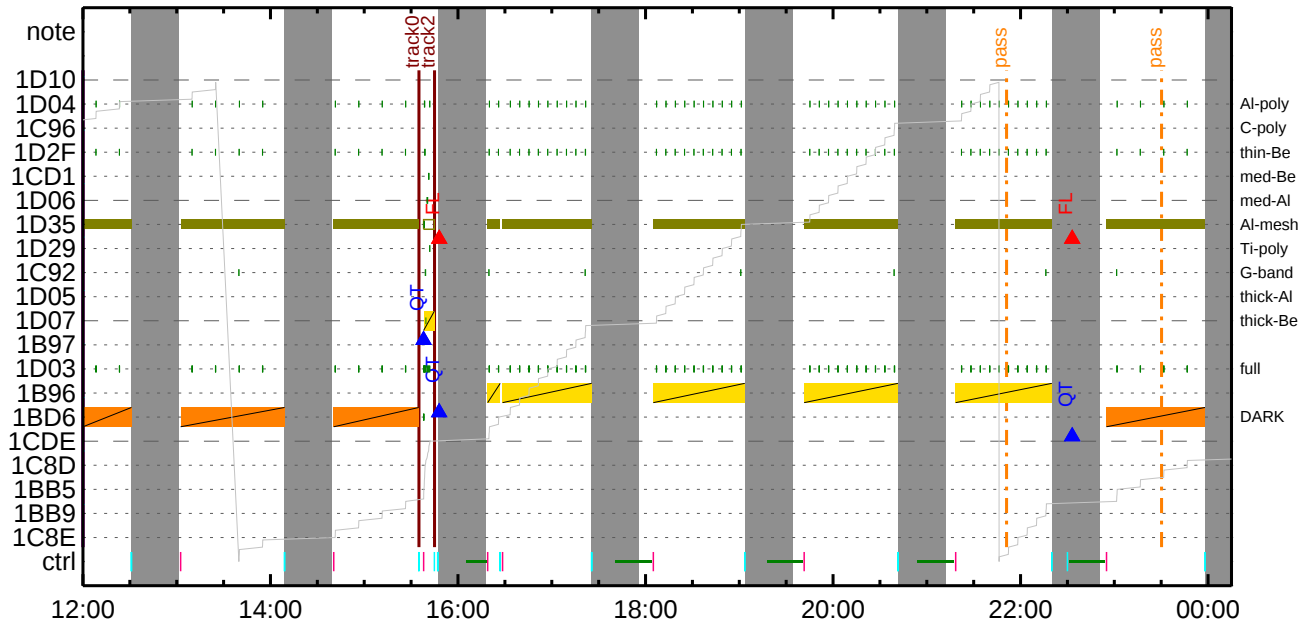
CMDI #0689 2025/07/05



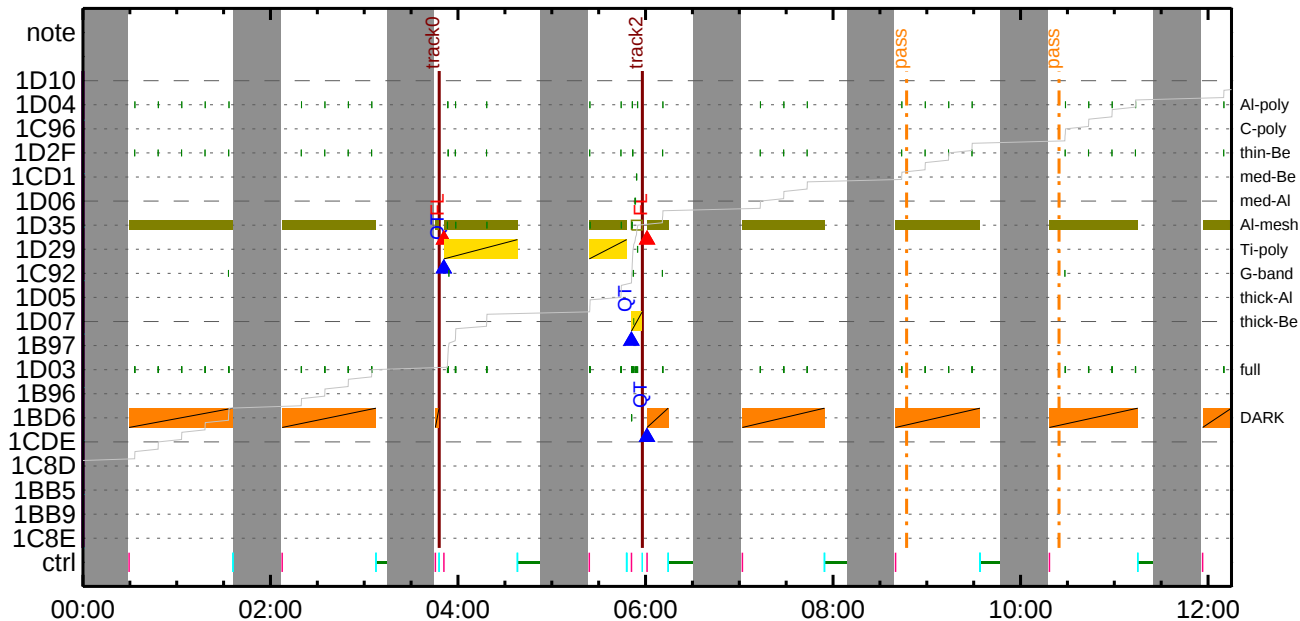
CMDI #0689 2025/07/06



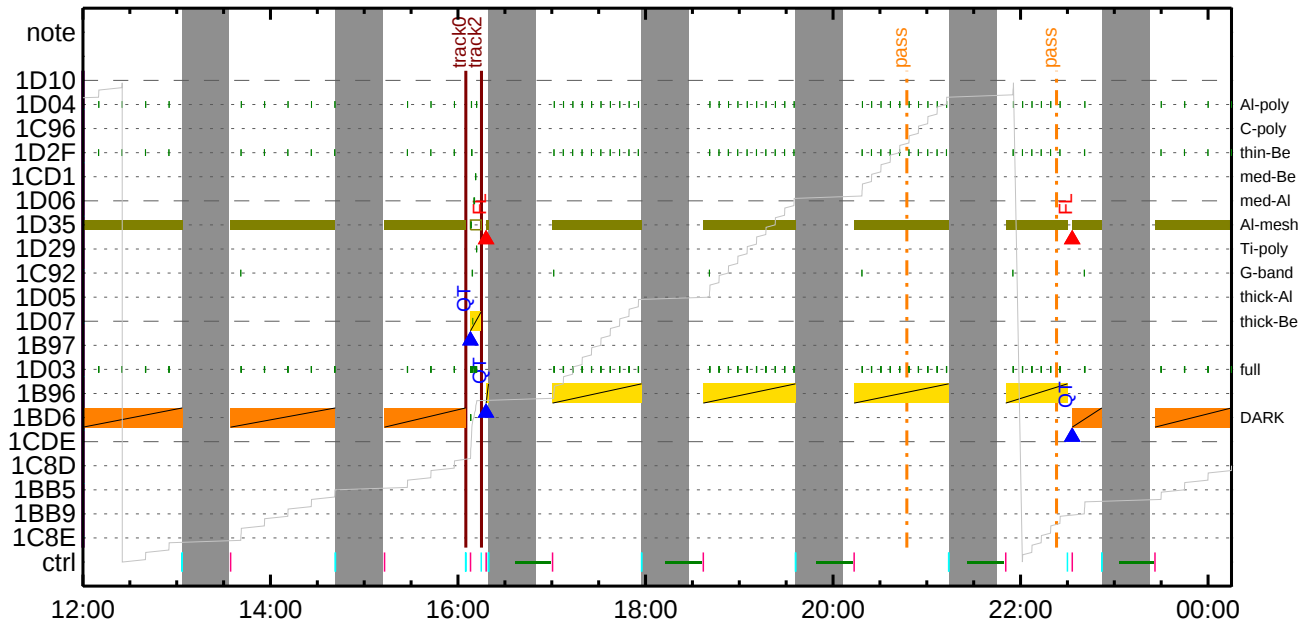
CMDI #0689 2025/07/06



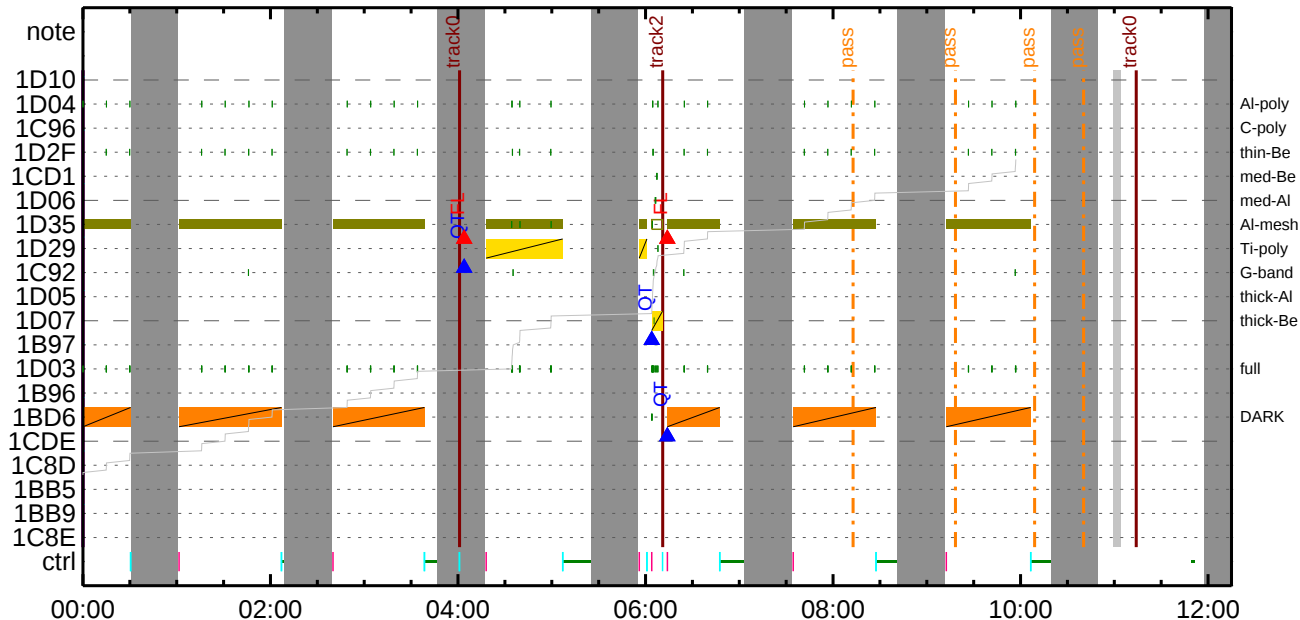
CMDI #0689 2025/07/07



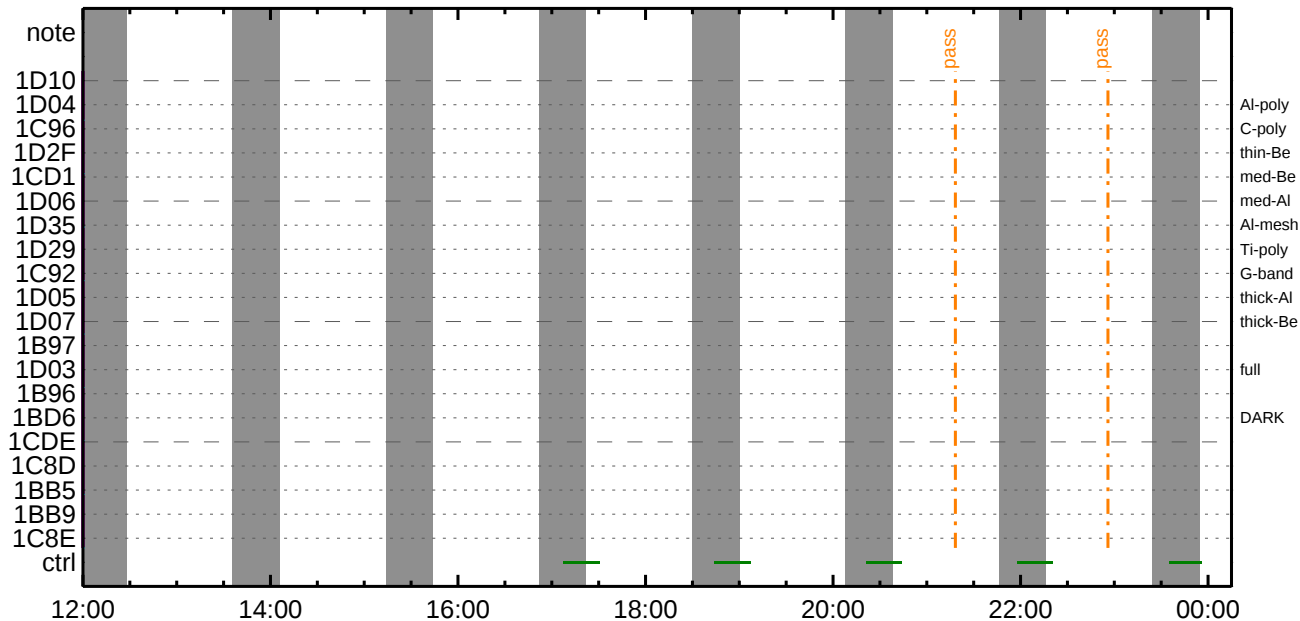
CMDI #0689 2025/07/07



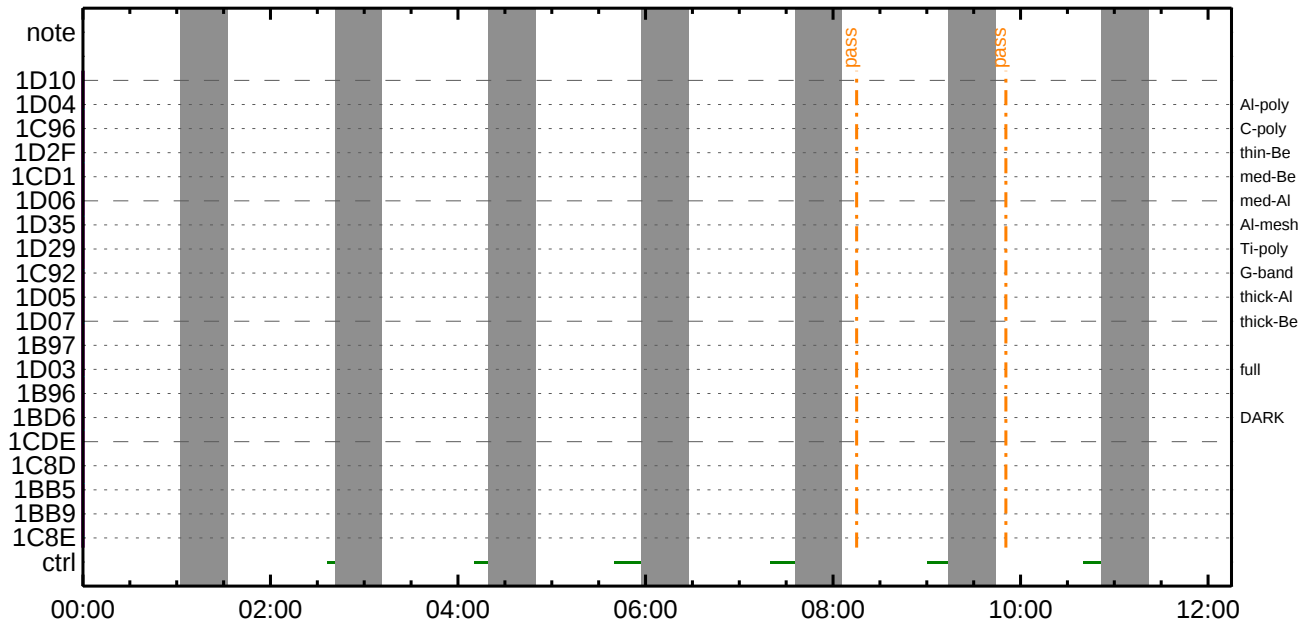
CMDI #0689 2025/07/08



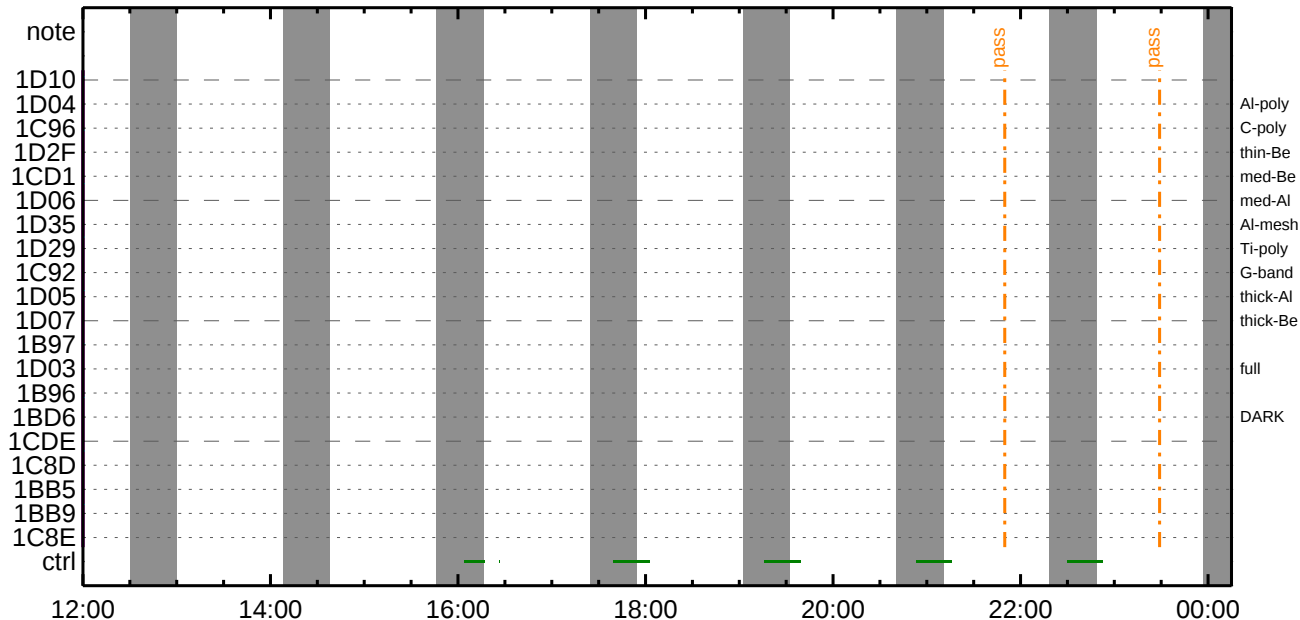
CMDI #0689 2025/07/08



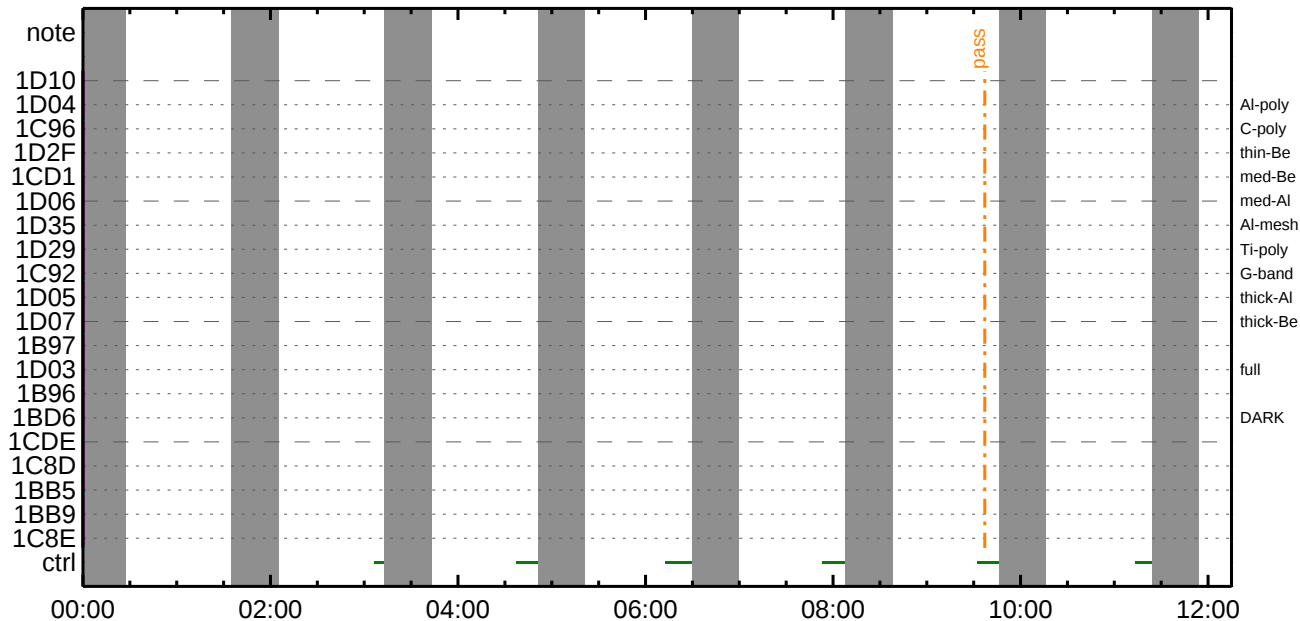
CMDI #0689 2025/07/09



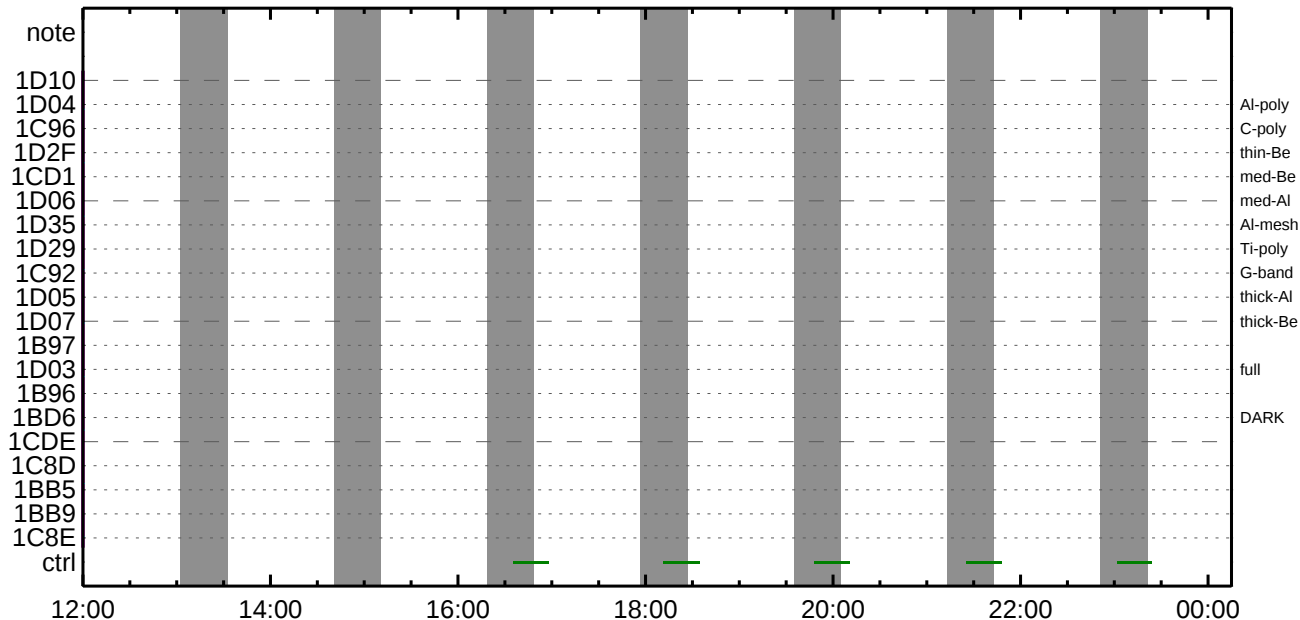
CMDI #0689 2025/07/09



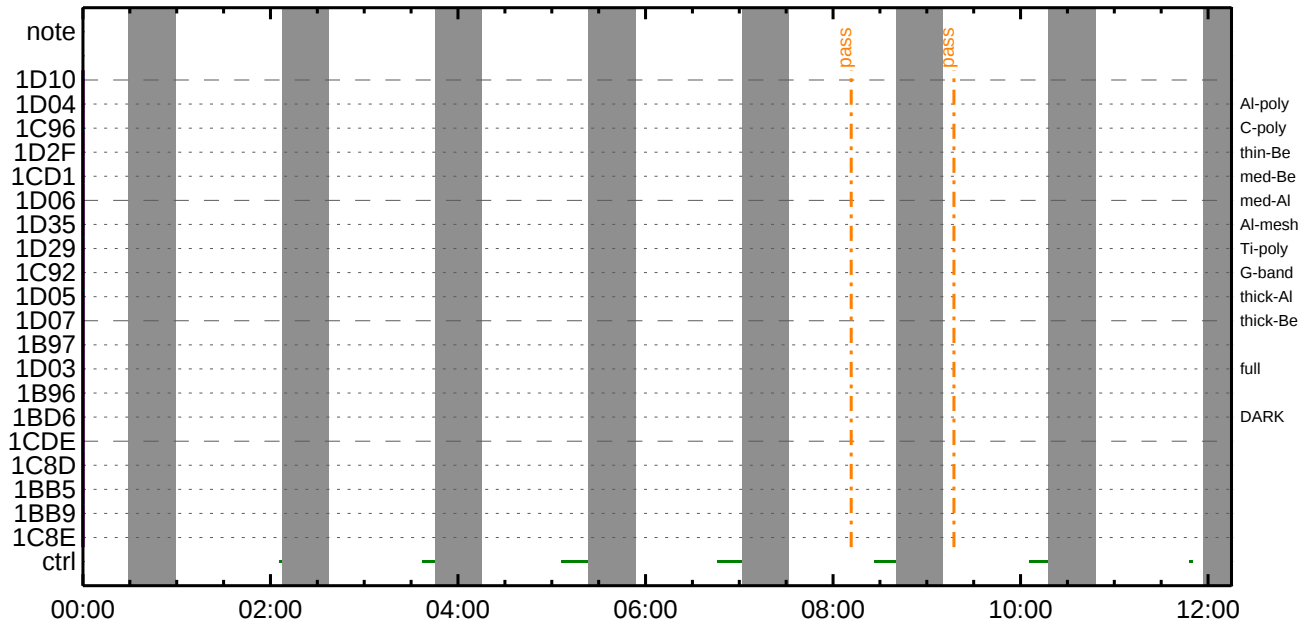
CMDI #0689 2025/07/10



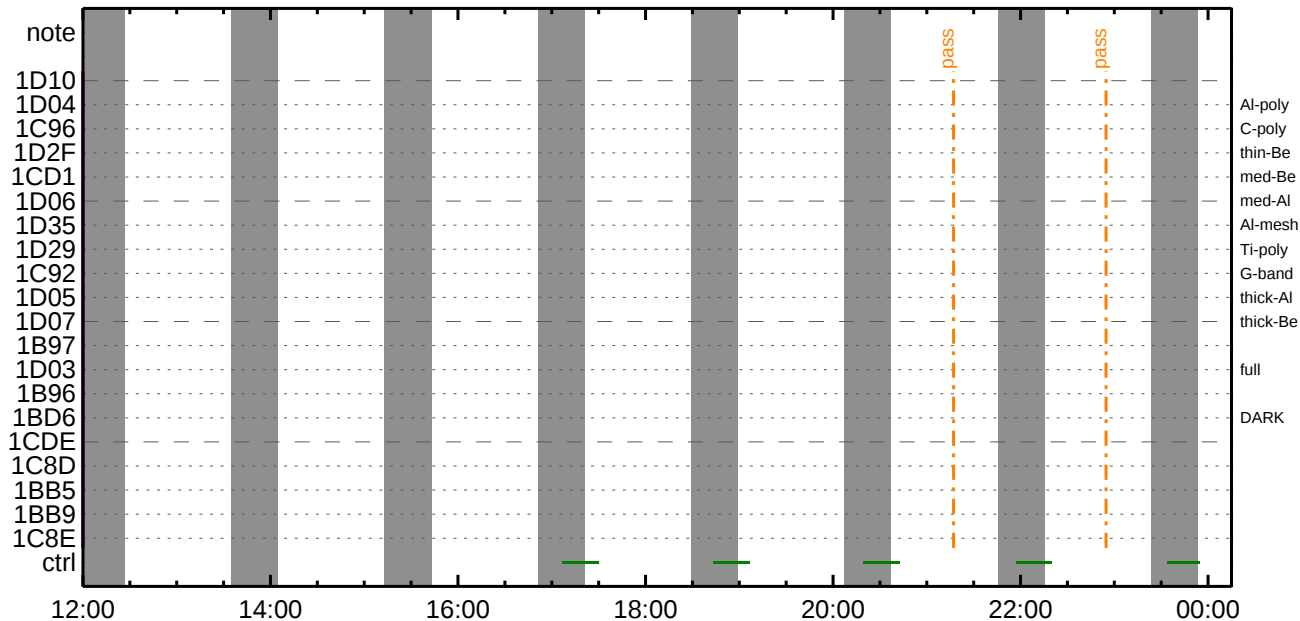
CMDI #0689 2025/07/10



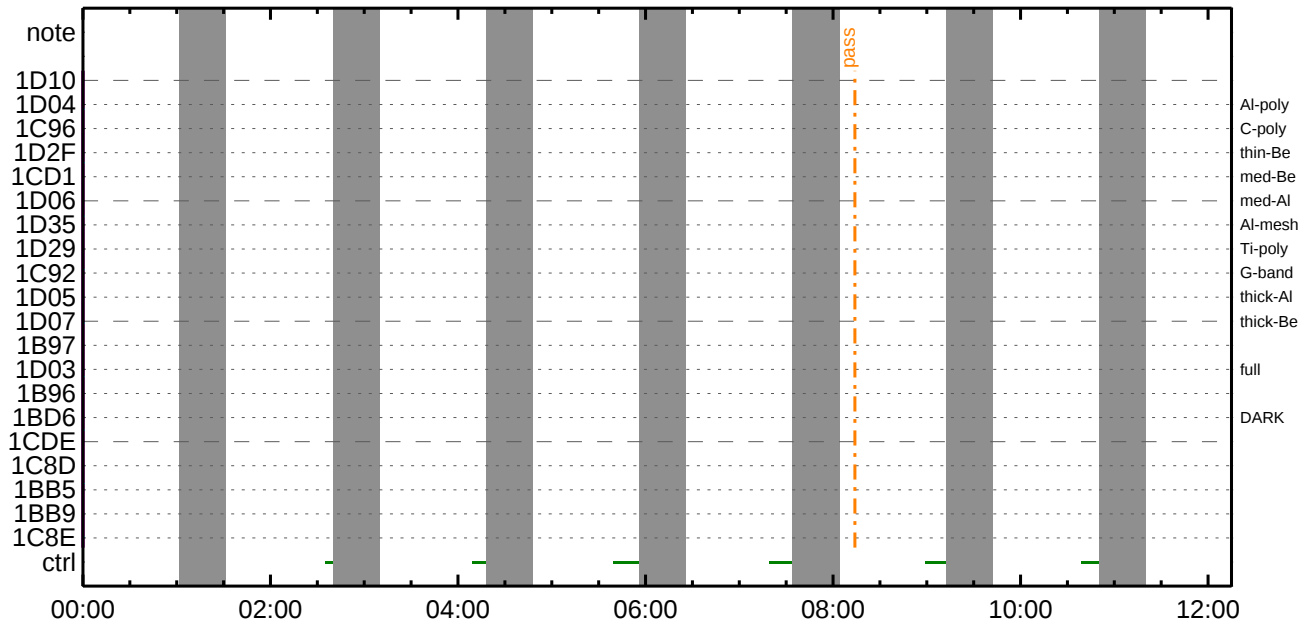
CMDI #0689 2025/07/11



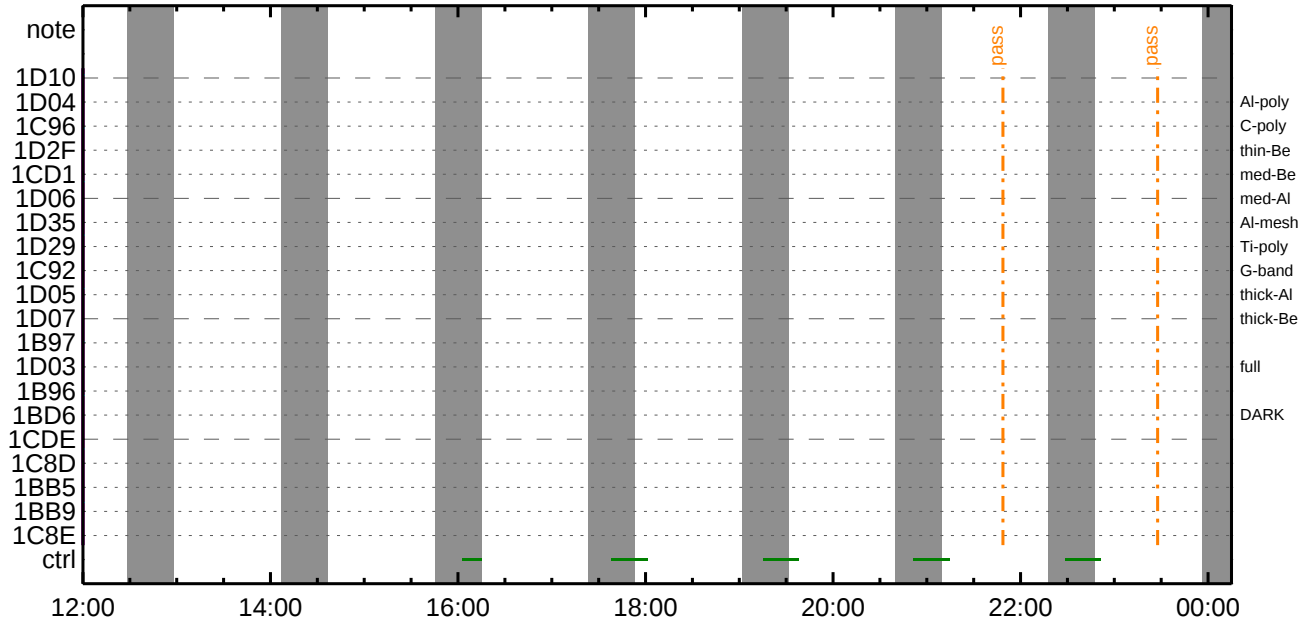
CMDI #0689 2025/07/11



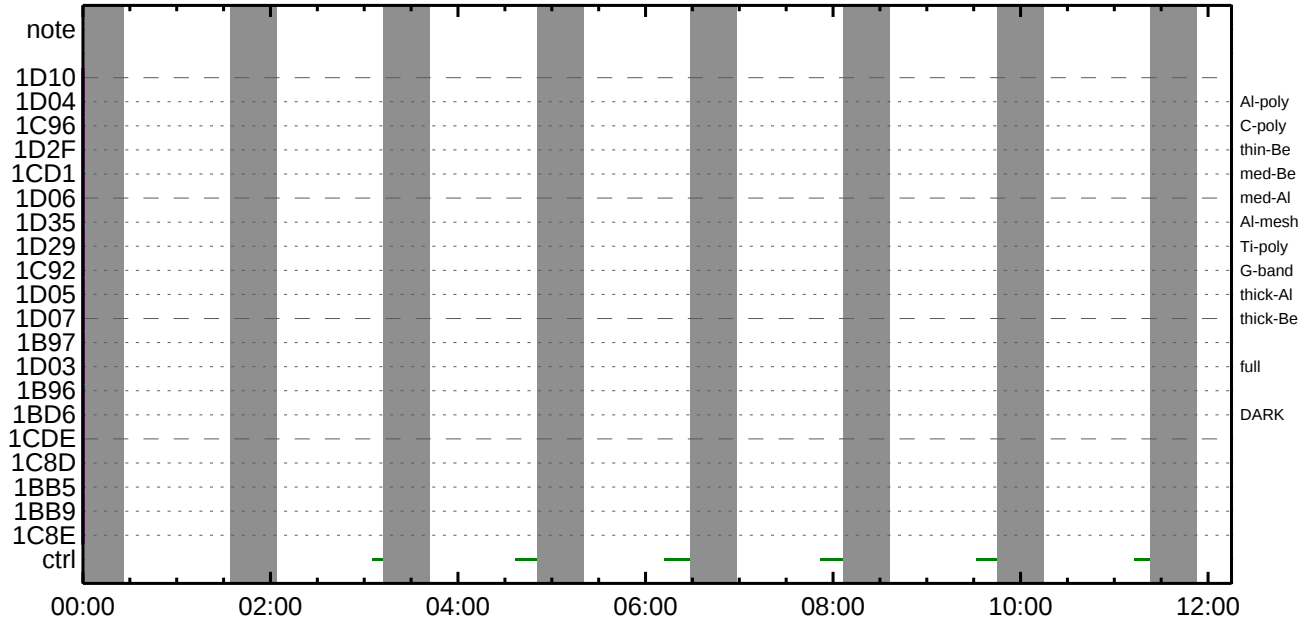
CMDI #0689 2025/07/12



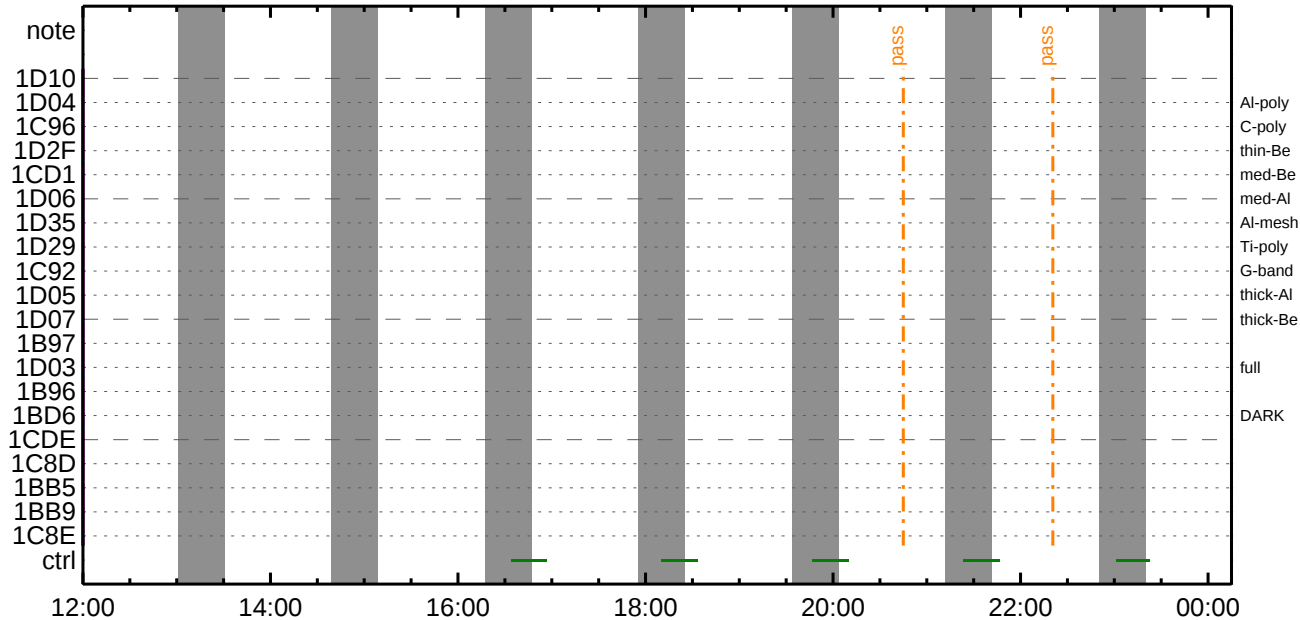
CMDI #0689 2025/07/12



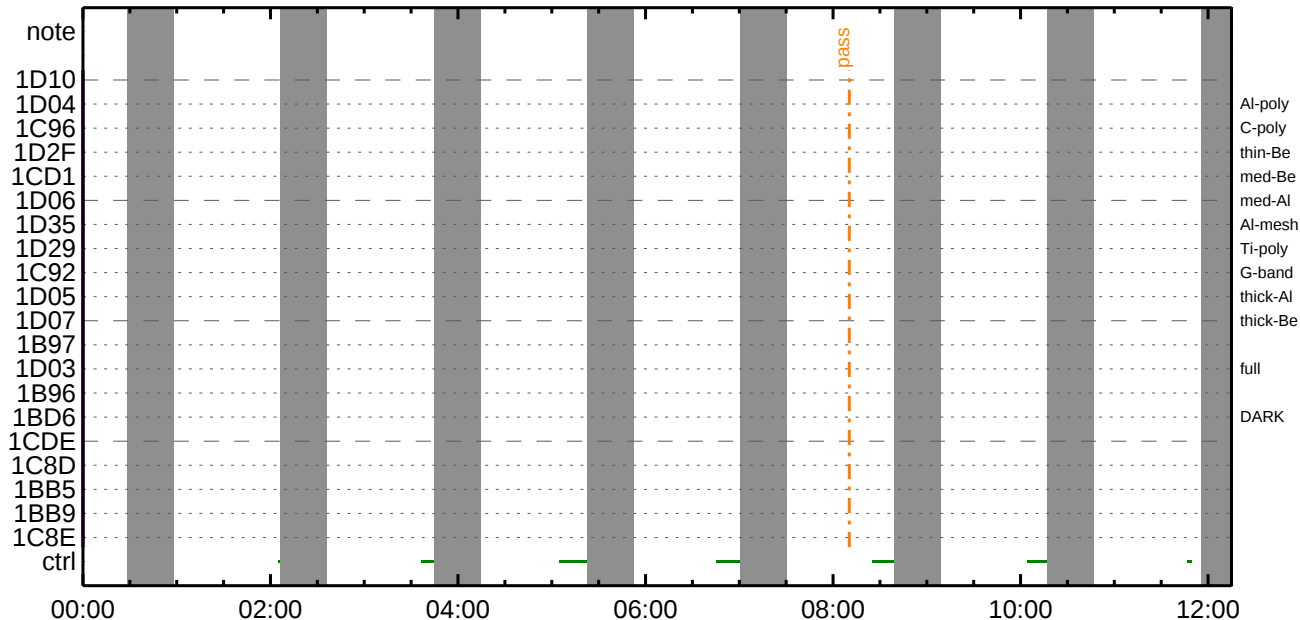
CMDI #0689 2025/07/13



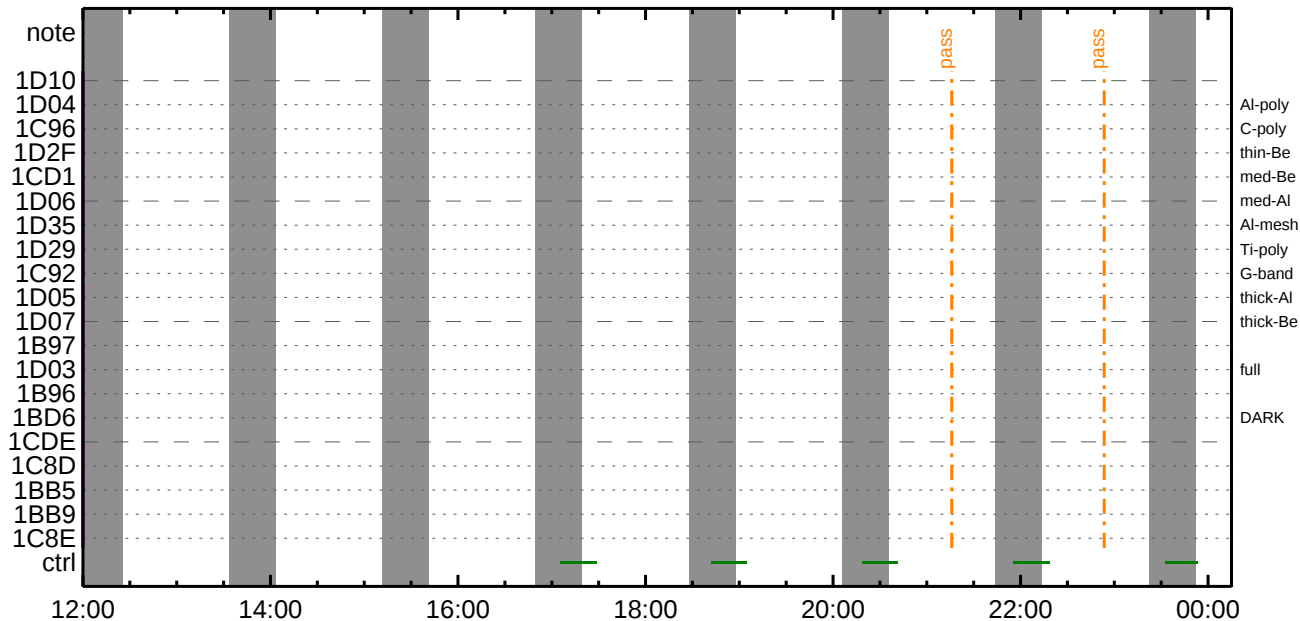
CMDI #0689 2025/07/13



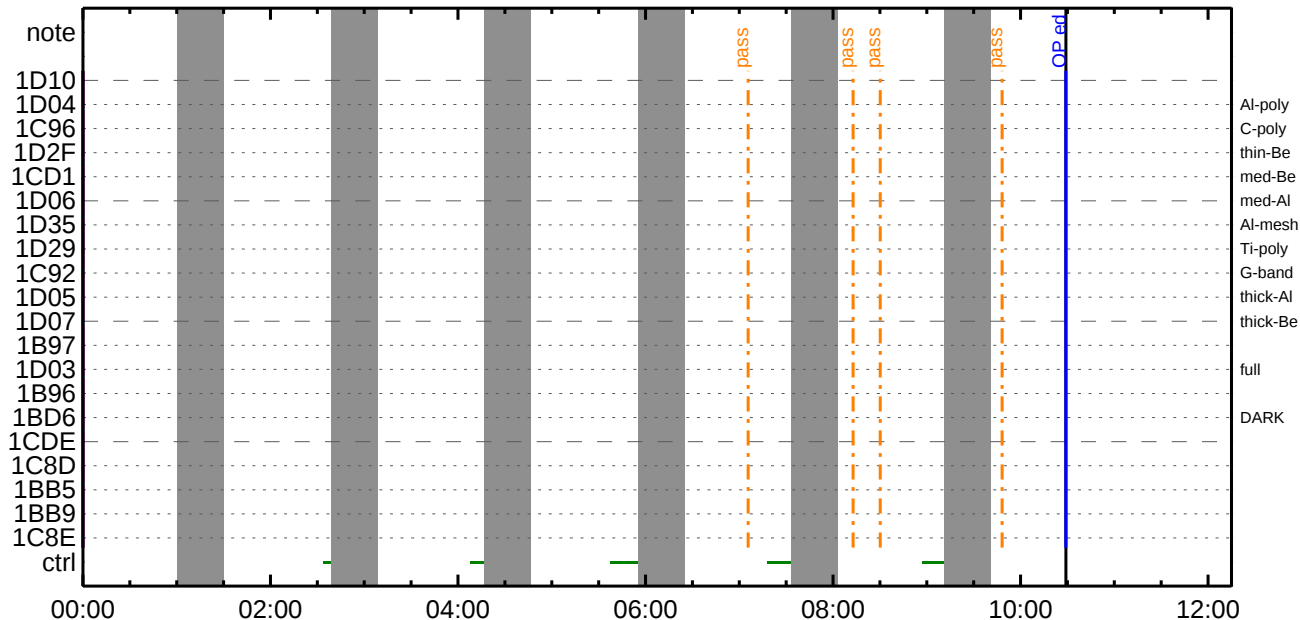
CMDI #0689 2025/07/14

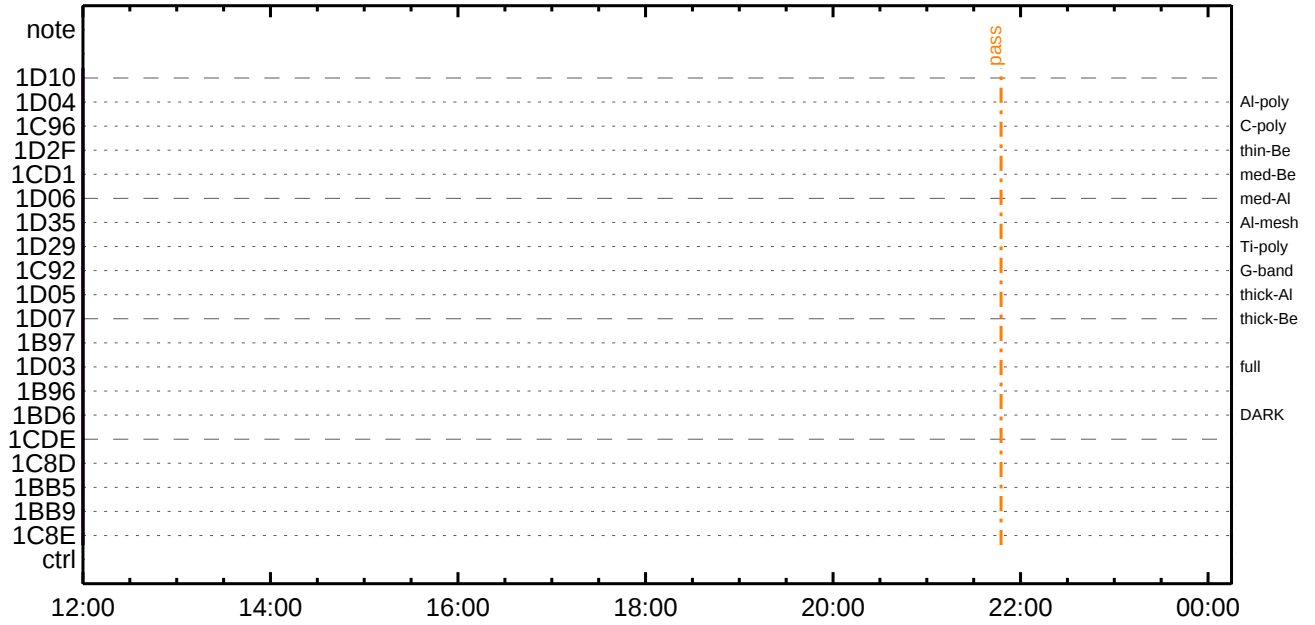


CMDI #0689 2025/07/14



CMDI #0689 2025/07/15





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main-377 2025-07-05 11:54:38 205 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŲÁŲ$ŲÃŲ~¼Ã»Ü;ä
0005 C.
0006 C. ŲÃŲß;¼Ų³ŲÐŲóŲÉÃ÷:ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Āī;ĒñçĀñ•µ°E»İ×AÇñİŲçŲÃŲ×Ųī;¼ŲÉ;ĒĒèµ•īİĒ;ĒñĒ¼°ÇÖñ•ñç¼ī¹çñİ;çÀ®,ùñ¹ñĒñÐñÇÃ÷:ç®ñ•ñĒñññ³ñĒ;£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OGŲī;¼ŲÉ;|ŲÃŲóŲ×
0016 C. *****
0017 C.
0018 . C. ;ãOP/OGŲī;¼ŲÉ;ä
0019 . S. OP op-377:OP
0020 ()
0021 . S. OG og-377:OG
0022 ()
0023 C.
0024 . C. ;ãNMOG&OPİİ°èŲÃŲóŲ×;ä
0025 C. NMOG(0x200000-0x207FFF;$ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. çç[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. çç[HK1_PKT_FORM_NO] EQ 7
0036 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. ŲÃŲóŲ×½ªİ»ñò³İÇ$
0041 C. çç[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOGñİ¼Ē¹ç•Ē²İOKñò³İÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;$ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. çç[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. çç[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. çç[HK1_PKT_FORM_NO] EQ 7
0055 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. ŲÃŲóŲ×½ªİ»ñò³İÇ$
0060 C. çç[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOGñİ¼Ē¹ç•Ē²İOKñò³İÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;$ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. çç[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. çç[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. çç[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. çç[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. çç[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. çç[HK1_PKT_FORM_NO] EQ 7
0074 C. çç[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. çç[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. çç[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. ŲÃŲóŲ×½ªİ»ñò³İÇ$
0079 C. çç[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OPñİ¼Ē¹ç•Ē²İOKñò³İÇ$
0081 C.
0082 . C. ***** °Ē²¼ñİ¼Ã`ŲĀ°ñĒĒ¬ñ°Ã÷:ç® (¼ãµ-ŲÃŲóŲ×¼Ē½çñòĀŌĀñÇ½ªñ`ñĒ¼ī¹çñÇñâ) *****
0083 C. DHUŲâ;¼ŲÉ;Ē¼Ų½,Ųī;¼ŲÉ;Ēñòİãñ¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. çç[HK1_PKT_FORM_NO] EQ 2
0087 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE ;$ OPOG UPLOADñ¬Ã÷:ç®NGñİ¼ī¹ç;ç°Ē²¼ñİTI-CMDÃ÷:ç®ñİ¼Ā¹Ōñ•ñĒñññ³ñĒ;£

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0096	C.								
0097	C.								
0098	. C.	TIIY³¥Ð¥ÓÝÊ¤ðÄDİ¿(UT)							
0099	+ . TI	2025-07-05 11:00:00.0							
0100	DC	01-B3 DHU_OP_STOP							
0101	C.		¢ ¢ [HK1_TI_CMD_NUM]				EQ		1COUNTUP
0102	C.								
0103	+ . TI	2025-07-05 11:00:01.0							
0104	DC	01-B4 DHU_OP_COPY							
0105	C.		¢ ¢ [HK1_TI_CMD_NUM]				EQ		1COUNTUP
0106	C.								
0107	+ . TI	2025-07-05 11:00:01.0							
0108	DC	01-B5 DHU_OPOG_COPY							
0109	C.		¢ ¢ [HK1_TI_CMD_NUM]				EQ		1COUNTUP
0110	C.								
0111	+ . TI	2025-07-05 11:04:59.5							
0112	DC	01-B2 DHU_OP_START							
0113	C.		¢ ¢ [HK1_TI_CMD_NUM]				EQ		1COUNTUP
0114	C.								
0115	C.	°Ê²¼¤İĂê¾ıÍŃ¤Î¥Á¥Ş¥Ā¥~¹àİÜ							
0116	C.		¢ ¢ [HK1_TI_CMD_ENA/DIS]				EQ		ENA
0117	C.		¢ ¢ [HK1_TI_CMD_NUM]				EQ		4
0118	C.		¢ ¢ [HK1_NEXT_EXEC_PIM]				EQ		DHU
0119	C.		¢ ¢ [HK1_NEXT_EXEC_DC]				EQ		0xB3
0120	C.								
0121	. C.	*****							
0122	C.	TIIîï°è¥À¥ó¥×							
0123	C.	*****							
0124	C.								
0125	C.	TI_TBL(0x03AB00-0x03AEFF;\$ 1024byte)							
0126	+ . DC	01-23 DHU_DMA_DMP_PRM_SET							
0127	BC	(03 ab 03 01 02)							
0128	C.		¢ ¢ [HK1_DMP_TOP_ADRS_1]				EQ		07
0129	C.		¢ ¢ [HK1_DMP_TOP_ADRS_0]				EQ		2B
0130	C.		¢ ¢ [HK1_DMP_BLOCK_NUM]				EQ		3
0131	C.		¢ ¢ [HK1_DMP_REPEAT_NUM]				EQ		0
0132	C.		¢ ¢ [HK1_DMA_DMP_PIM]				EQ		DHU
0133	+ . DC	01-22 DHU_MODE_CHNG							
0134	BC	(07 0b f8)							
0135	C.		¢ ¢ [HK1_PKT_FORM_NO]				EQ		7
0136	C.		¢ ¢ [HK1_PKT_GEN_TIME]				EQ		0.25 s
0137	C.		¢ ¢ [HK1_S_TLM_BIT_RATE]				EQ		32k
0138	C.		¢ ¢ [HK1_X_TLM_BIT_RATE]				EQ		4M
0139	C.		¢ ¢ [HK1_DMP_CHK_FLG]				EQ		EXEC
0140	C.								
0141	. C.	¥À¥ó¥×½ªİ»¤ò³İÇ\$							
0142	C.		¢ ¢ [HK1_DMP_CHK_FLG]				EQ		NON
0143	C.								
0144	. C.	RAM ID=TI_TBL¤İ¾È¹Ç•ë²İOK¤ò³İÇ\$							
0145	C.								
0146	. C.	DHUYâ;¼¥É;Ê¼ý½, ¥ı;¼¥Ë;Û¤òİá¤¹							
0147	+ . DC	01-22 DHU_MODE_CHNG							
0148	BC	(02 0a f8)							
0149	C.		¢ ¢ [HK1_PKT_FORM_NO]				EQ		2
0150	C.		¢ ¢ [HK1_PKT_GEN_TIME]				EQ		0.5S
0151	C.		¢ ¢ [HK1_S_TLM_BIT_RATE]				EQ		32K
0152	C.		¢ ¢ [HK1_X_TLM_BIT_RATE]				EQ		4M
0153	C.								
0154	C.								
0155	C.	***** XRT START *****							
0156	C.	Execute, after the success of OP upload.							
0157	+ . TI	2025-07-05 11:04:00.0							
0158	DC	07-F0 MDP_XRT_MODE_STBY							
0159	BC	(c3)							
0160	. C.	[] [HK1_TI_CMD_NUM]					EQ		1COUNTUP
0161	C.								

```
0194      (MDP_known_event)
0195      C.
0196      C.
0197      . C. ***** ¥ÐŸ¹•Ï Daily±¿ÍÑ¤Ë'Ø¤¹¤ěDCBC•x²è *****
0198      . S. DC-BC dcbc-153:DCBC
0199      (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200      C.
0201      C.
0202      . C. ;ãLOS¥Á¥$¥Ã¥~¼Â»Ü;ä
0203      C.
0204      . C. ***** LOS *****
0205      C.
```



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0096 C.
0097 C.
0098 . C. ***** AOCS Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ()
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110 C.
0111 C.
0112 C. Change the TLMFormatNo for the AOCS Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCS DUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK [ ]
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 [ ]
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 C.
0129 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130 +. DC 07-FC EIS_MODE_CHG_ENA
0131 BC (20)
0132 . C. Verify EIS_MODE_CHG_FLG is ENA
0133 +. DC 07-FC EIS_MODE_MANU
0134 BC (21 02)
0135 . C. Verify EIS in MANUAL mode
0136 . C. Estimated OBSTBL upload time is 29s
0137 C. *****
0138 C. EIS START OBSTBL LOAD
0139 C. *****
0140 . S. RAM ram-820:EIS_OBSTBL
0141 ()
0142 +. DC 07-FC EIS_DUMP_OBSTBL
0143 BC (07 07 07 00 00 70 00)
0144 C.
0145 C. Execute, after the success of OBSTBL upload.
0146 C. Set EIS TI-commands
0147 +. TI 2025-07-05 11:04:50.0
0148 DC 07-FC EIS_MODE_CHG_ENA
0149 BC (20)
0150 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0151 C. *****
0152 C. EIS END OBSTBL LOAD
0153 C. *****
0154 C.
0155 . C. ***** MDP 'ûÃîî»ö¼ÝñÊÄñ¹ñëDCBC•x²è *****
0156 C. (¾å°îÿÖ¥Ã¥Ê¥Ð¥Ê¥â¥ç¥èñÊ½¼ñ¼Ã»Ûñ¹ñë)
0157 . S. DC-BC dcbc-402:DCBC
0158 (MDP_known_event)
0159 C.
0160 C.
0161 . C. ***** ¥Ð¥¹•ï Daily±¿ínñÊ'Øñ¹ñëDCBC•x²è *****
0162 . S. DC-BC dcbc-153:DCBC
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164 C.
0165 C.
0166 . C. ;ãLOS¥Ã¥$¥Ã¥~¼Ã»Û;ä
0167 C.
0168 . C. ***** LOS *****
0169 C.

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(a) Spacecraft Operation Procedure (real-commands)

```
main-379 2025-07-05 11:54:38 130 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSŸÁŸ$ŸÄŸ~¼Ä»Ü;ä
0005 C.
0006 C. ŸÄŸß;¼Ÿ³ŸDŸóŸÉÄ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Ēñ¿ñÄñ•µ°Ēñİ×ÄÇñİŸçŸÄŸ×Ÿí;¼ŸÉ;ĒĒè½µ•ííĒ;ĒñĒ¼°ÇÖñ•ñ¿¼ı¹Çñİ;ÇÄ®,ùñ¹ñĒñDñÇÄ÷¿®ñ•ñĒñññ³ñĒ;ñ
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_CTRL_MANU
0020 BC (c1)
0021 +. DC 07-F0 MDP_XRT_MODE_STBY
0022 BC (c3)
0023 . C. ----- Success Verify ? OK / NG____
0024 C.
0025 C. XRT Obs. Table Upload
0026 . S. RAM ram-291:MDP_OBS_X
0027 ()
0028 C.
0029 +. DC 07-F0 MDP_DUMP_XRTTBL
0030 BC (84 07 00 00 00 3a d4)
0031 . C. ----- Comparison Check ? OK / ERR ____
0032 C.
0033 C.
0034 +. DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 01 b1 b1 04 04)
0036 +. DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 02 b1 b1 08 08)
0038 +. DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 03 b1 b1 08 08)
0040 +. DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 04 b1 b1 06 06)
0042 +. DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 80 80 08 08)
0044 +. DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 80 80 20 20)
0046 +. DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 80 80 20 08)
0048 +. DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 08 20)
0050 +. DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 85 83 08 08)
0052 +. DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0f 80 80 06 06)
0054 +. DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 10 80 80 08 08)
0056 +. DC 07-F0 MDP_XRT_FLD_ENA
0057 BC (d8)
0058 +. DC 07-F0 MDP_XRT_FLRCTRL_ENA
0059 BC (c8)
0060 +. DC 07-F0 MDP_XRT_ARS_DIS
0061 BC (d5)
0062 +. DC 07-F0 MDP_XRT_AEC_RESET
0063 BC (d0)
0064 +. DC 07-F0 MDP_XRT_FLD_RESET
0065 BC (da)
0066 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0067 BC (c4 07)
0068 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0069 BC (c5 0e)
0070 . C. ----- Success Verify ? OK / NG ____
0071 C.
0072 C.
0073 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0074 C.
0075 +. DC 07-F0 MDP_XRT_MODE_OBSV
0076 BC (c2)
0077 +. TI 2025-07-05 11:04:02.0
0078 DC 07-F0 MDP_XRT_MODE_OBSV
0079 BC (c2)
0080 . C. ----- Success Verify ? OK / NG ____
0081 C.
0082 C. ***** XRT END *****
0083 . C. *****
0084 C. SOT table upload
0085 C. *****
0086 . C. < Stop SP table >
0087 +. DC 07-F0 MDP_SP_CTRL_MANU
0088 BC (61)
0089 C. -----
0090 C. MDP_SP_CTRL_MODE = MANU [ ]
0091 C. -----
0092 C.
0093 . C. <Upload SP Observation Table>
0094 . S. RAM ram-287:MDP_OBS_S
0095 ()
```


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*** OP Sequence for XRT ***

2025/07/05	11:14:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	11:14:56.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/05	11:15:00.0	AOCS_ORe-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	03 06 97 01 81
2025/07/05	11:15:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/05	11:15:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/05	11:15:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/05	11:15:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/05	11:15:24.0	XRT_FLD_RESET_446_OG [0x1be]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	11:17:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/05	11:17:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/05	11:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	11:50:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	11:50:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	11:50:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	11:50:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	11:52:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/05	11:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	11:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	11:58:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	11:58:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	11:58:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	11:58:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	12:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	12:29:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/05	12:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	13:36:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	13:36:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	13:36:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	13:36:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	13:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	14:07:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/05	14:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	15:15:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	15:15:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	15:15:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	15:15:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	15:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	15:45:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/05	15:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	16:39:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	16:39:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	16:39:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/05	16:40:00.0	AOCS_ORe-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2025/07/05	16:40:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/05	16:40:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/05	16:40:22.0	XRT_ARS_DIS_435_OG [0x1b3]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/05	16:42:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/05	16:43:00.0	XRT_CTRL_AUTO_408_OG [0x198]			

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2025/07/05	16:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	16:49:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	16:50:00.0	AOCs_Ore-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/05	16:50:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03 06 97 01 81
2025/07/05	16:50:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/05	16:50:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/05	16:50:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/05	16:50:24.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/05	16:52:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	16:52:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2025/07/05	16:53:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/05	16:53:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	16:53:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	16:53:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	16:56:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	17:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	17:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2025/07/05	18:31:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	18:31:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	18:31:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	18:31:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	18:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	19:09:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	19:10:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2025/07/05	20:09:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	20:09:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	20:09:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	20:09:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	20:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	20:45:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	20:46:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2025/07/05	21:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	21:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	21:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	21:47:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	21:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	22:22:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	22:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]			
2025/07/05	22:30:01.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/05	22:30:03.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	22:30:23.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/05	22:30:25.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/05	22:30:27.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/05	22:30:29.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/05	22:30:31.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/05	22:33:03.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	22:33:05.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/05	22:33:07.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
			MDP_XRT_CTRL_AUTO	1	07-F0	c0

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2025/07/05	23:25:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	23:25:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/05	23:25:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/05	23:25:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/05	23:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/05	23:57:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/05	23:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	01:04:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	01:04:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	01:04:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	01:04:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	01:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	01:34:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	01:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	02:37:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	02:37:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	02:37:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	02:37:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	02:40:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	03:12:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	03:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	04:11:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	04:11:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	04:11:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	04:11:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	04:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	04:15:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	04:15:26.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	04:15:28.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/06	04:15:30.0	AOCs_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2025/07/06	04:15:48.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/06	04:15:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/06	04:15:52.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/06	04:15:54.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	04:15:56.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	04:18:26.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2025/07/06	04:18:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/06	04:50:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	04:51:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	05:41:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	05:41:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	05:41:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	05:41:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	05:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	06:29:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	06:30:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	06:34:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	06:34:26.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	06:34:28.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00

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2025/07/06	06:34:48.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/06	06:34:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/06	06:34:52.0	XRT_ARS_DIS_435_OG [0x1b3]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	06:37:28.0	XRT_QT_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/06	06:37:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	06:44:24.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	06:44:26.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/06	06:44:30.0	AOCS_Ore-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76	03 06 97 01 81
2025/07/06	06:44:46.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/06	06:44:48.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/06	06:44:50.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/06	06:44:52.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	06:44:54.0	XRT_FLD_RESET_446_OG [0x1be]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	06:47:26.0	XRT_QT_PROG_SET_429_OG [0x1ad]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/06	06:47:28.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/06	06:47:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	07:21:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	07:21:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	07:21:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	07:21:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	07:24:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	08:07:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	08:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	09:01:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	09:01:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	09:01:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	09:01:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	09:04:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	09:45:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	09:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	10:41:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	10:41:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	10:41:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	10:41:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	10:44:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	11:23:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	11:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	12:31:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	12:31:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	12:31:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	12:31:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	12:34:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	13:01:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/06	13:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	14:09:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	14:09:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	14:09:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	14:09:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	14:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			

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2025/07/06	14:39:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	14:40:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	15:34:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	15:34:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	15:34:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	15:35:00.0	AOCs_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/06	15:35:18.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00
2025/07/06	15:35:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/06	15:35:22.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/06	15:37:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	15:38:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/06	15:44:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	15:44:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	15:45:00.0	AOCs_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/06	15:45:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	02 06 97 01 81
2025/07/06	15:45:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/06	15:45:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/06	15:45:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/06	15:45:24.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	15:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	15:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	15:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	15:47:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	15:47:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	15:47:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2025/07/06	15:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/06	16:18:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	16:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	16:27:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	16:27:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	16:27:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	16:27:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	16:27:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	16:28:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	16:30:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	17:25:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	17:25:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	17:25:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	17:25:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	17:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	18:04:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	18:05:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	19:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	19:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	19:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	19:03:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	19:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	19:40:30.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	19:41:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]				

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2025/07/06	20:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	20:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	20:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	20:41:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	20:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	21:17:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	21:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	22:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	22:20:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	22:20:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	22:20:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	22:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/06	22:30:00.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/06	22:30:02.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	22:30:22.0	XRT_FLD_ENA_411_OG [0x19b]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/06	22:30:24.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/06	22:30:26.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/06	22:30:28.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/06	22:30:30.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/06	22:33:02.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/06	22:33:04.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/06	22:54:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/06	22:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/06	23:58:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/06	23:58:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	23:58:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/06	23:58:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	00:01:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	00:28:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	00:29:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/07	01:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	01:36:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	01:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	01:36:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	01:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	02:06:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	02:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/07	03:07:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	03:07:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	03:07:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	03:07:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	03:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	03:44:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	03:45:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/07	03:47:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	03:47:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	03:47:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	03:48:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	03:48:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00

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2025/07/07	03:48:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/07	03:48:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/07	03:48:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	03:48:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	03:50:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2025/07/07	03:50:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/07	03:51:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	04:38:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	04:38:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	04:38:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	04:38:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	04:41:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	05:23:00.0	XRT_Custom_430_OG [0x1ae]				
2025/07/07	05:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	05:47:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	05:47:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	05:47:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	05:48:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/07	05:48:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/07	05:48:22.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	05:50:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/07	05:51:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	05:57:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	05:57:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	05:58:00.0	AOCs_Or-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	02 06 97 01 81
2025/07/07	05:58:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/07	05:58:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/07	05:58:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/07	05:58:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	05:58:24.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	06:00:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/07	06:00:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/07	06:01:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	06:14:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	06:14:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	06:14:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	06:14:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	06:17:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	07:01:00.0	XRT_Custom_430_OG [0x1ae]				
2025/07/07	07:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	07:54:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	07:54:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	07:54:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	07:54:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	07:57:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	08:39:00.0	XRT_Custom_430_OG [0x1ae]				
2025/07/07	08:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	09:34:00.0	XRT_CTRL_MANU_400_OG [0x190]				

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2025/07/07	09:34:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	09:34:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	09:34:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	09:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	10:17:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	10:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	11:15:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	11:15:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	11:15:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	11:15:06.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	11:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	11:55:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	11:56:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	13:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	13:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	13:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	13:03:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	13:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	13:33:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	13:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	14:41:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	14:41:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	14:41:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	14:41:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	14:44:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	15:12:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	15:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	16:04:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	16:04:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	16:04:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	16:05:00.0	AOCs_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2025/07/07	16:05:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/07	16:05:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/07	16:05:22.0	XRT_ARS_DIS_435_OG [0x1b3]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	16:07:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/07	16:08:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	16:14:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	16:14:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	16:15:00.0	AOCs_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	02 06 97 01 81
2025/07/07	16:15:16.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/07	16:15:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/07	16:15:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/07	16:15:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	16:15:24.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	16:17:56.0	XRT_QT_PROG_SET_405_OG [0x195]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2025/07/07	16:17:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/07	16:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	16:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1

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2025/07/07	16:19:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	16:19:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	16:19:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	16:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	16:59:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/07	17:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	17:57:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	17:57:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	17:57:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	17:57:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	18:00:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	18:36:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/07	18:37:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	19:36:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	19:36:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	19:36:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	19:36:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	19:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	20:12:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/07	20:13:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	21:14:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	21:14:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	21:14:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	21:14:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	21:17:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	21:49:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/07	21:50:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	22:30:00.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	22:30:02.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/07	22:30:22.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/07	22:30:24.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/07	22:30:26.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/07	22:30:28.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/07	22:30:30.0	XRT_FLD_RESET_446_OG [0x1be]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	22:33:02.0	XRT_QT_PROG_SET_429_OG [0x1ad]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/07	22:33:04.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/07	22:33:06.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/07	22:52:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	22:52:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/07	22:52:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/07	22:52:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/07	22:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/07	23:25:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/07	23:26:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	00:30:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	00:30:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	00:30:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	00:30:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	00:33:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9

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2025/07/08	01:00:30.0	XRT_Custom_430_OG [0x1ae]			
2025/07/08	01:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	02:07:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	02:07:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	02:07:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	02:07:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	02:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/08	02:39:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/08	02:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	03:38:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	03:38:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	03:38:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	03:38:36.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	03:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/08	04:00:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	04:00:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	04:00:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/08	04:01:00.0	AOCs_Ore-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76	00 00 00 00 00
2025/07/08	04:01:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/08	04:01:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/08	04:01:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/08	04:01:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/08	04:01:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	04:03:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0d
2025/07/08	04:03:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/08	04:17:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/08	04:18:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	05:07:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	05:07:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	05:07:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	05:07:06.0	XRT_PREFLR_STRT_410_OG [0x19a]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	05:10:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/08	05:55:00.0	XRT_Custom_430_OG [0x1ae]			
2025/07/08	05:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	06:00:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	06:00:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	06:00:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/08	06:01:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2025/07/08	06:01:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2025/07/08	06:01:22.0	XRT_ARS_DIS_435_OG [0x1b3]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/08	06:03:58.0	XRT_QT_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a
2025/07/08	06:04:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	06:10:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	06:10:56.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2025/07/08	06:11:00.0	AOCs_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	02 06 97 01 81
2025/07/08	06:11:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2025/07/08	06:11:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2025/07/08	06:11:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2025/07/08	06:11:22.0	XRT_ARS_DIS_423_OG [0x1a7]			

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2025/07/08	06:11:24.0	XRT_FLD_RESET_446_OG [0x1be]	MDP_XRT_ARS_DIS	1	07-F0	d5
2025/07/08	06:13:56.0	XRT_QT_PROG_SET_429_OG [0x1ad]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	06:13:58.0	XRT_FL_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2025/07/08	06:14:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0e
2025/07/08	06:47:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	06:47:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	06:47:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	06:47:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	06:50:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	07:33:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/08	07:34:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/08	08:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	08:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	08:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	08:27:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	08:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	09:11:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2025/07/08	09:12:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				
2025/07/08	10:06:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2025/07/08	10:06:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	10:06:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2025/07/08	10:06:36.0	XRT_PREFLR_STRT_410_OG [0x19a]	MDP_XRT_FLD_RESET	1	07-F0	da
2025/07/08	10:09:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2025/07/08	11:14:00.0	AOCs_ORe-point_Start_2_OG [0x098]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
		AOCU_NM		5	02-76	00 00 00 00 00