

XRT Timeline to be uploaded on 2021/01/12

Period: 2021/01/12 11:05:00 - 2021/01/16 11:46:00

* * * * *

Normal mode

* * * * *

XOB #1C8D: Alignment with North Pole Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 5min cad												
Term	Pointing (x, y)		Comment									
01/12 11:30:00 - 01/12 13:14:54	Fixed (0.0, 930.0)		# OP start + 10min: Co-alignment N-limb									
PROG= 11 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 23 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Subr= 2 24-time(s) 300.0sec												
└─ Seqn= 69 1-time(s) 2.0sec												
└─ Al-poly/Open med-Be/Open close Safe Norm 1.41s Obs 2x2 2048x1536 (1024, 768) Q=95 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1C8E: Alignment with East limb Al/poly 1443ms Q95 2x2 (G-band and VLS=CLS) - 8 min cad												
Term	Pointing (x, y)		Comment									
01/12 13:30:00 - 01/12 15:14:54	Fixed (-970.0, 0.0)		Co-alignment E-limb									
PROG= 19 1-time(s)												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 23 1-time(s) 2.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												
└─ Open/G-band Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Subr= 2 15-time(s) 480.0sec												
└─ Seqn= 70 1-time(s) 2.0sec												
└─ Al-poly/Open med-Be/Open close Safe Norm 1.41s Obs 2x2 1536x2048 (1280, 1024) Q=95 0 0 2.0sec												
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1CA1: HOP410 - CME watch - 4x4 - AEC 2/3 - Al-poly - G-band (1x1,512x512,1ms) - Leak (1x1,512x512,1ms) - 120s cad (G-band/Leak first)												
Term	Pointing (x, y)		Comment									
01/12 15:18:00 - 01/12 17:40:00	Fixed (0.0, 0.0)		HOP410 - Disk center									
01/12 18:17:00 - 01/13 02:59:54	Fixed (0.0, 0.0)		# HOP410 - disk center									
01/13 03:03:00 - 01/13 05:48:54	Track (-716.5, 479.8) @ 01/13 03:00:00		HOP410 - North pole CH									
01/13 06:02:00 - 01/13 08:59:54	Track (-702.6, 481.5) @ 01/13 05:59:00		# HOP410 - North pole CH									
01/13 09:03:00 - 01/13 17:50:54	Fixed (0.0, 0.0)		HOP410 - disk center									
01/13 18:04:00 - 01/14 02:59:54	Fixed (0.0, 0.0)		# HOP410 - disk center									
01/14 03:03:00 - 01/14 05:59:54	Track (-589.2, 492.4) @ 01/14 03:00:00		HOP410 - North pole CH									
PROG= 17 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 30-time(s) 120.0sec												
└─ 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 #1C9F: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(362/3897/16384) - Thick-Be(65536), Al-poly+Ti-poly(256/5795), Med-Al												
Term	Pointing (x, y)		Comment									
01/12 18:07:00 - 01/12 18:13:54	Fixed (0.0, 0.0)		synoptic, shifted 4.0 min									
PROG= 14 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= 1 1-time(s) 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Open/Al-mesh Open/Al-mesh close Safe Norm 250ms 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= 99 1-time(s) 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 44ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Al-poly/Open Al-poly/Open close Safe Norm 500ms 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= 84 1-time(s) 2.0sec												
└─ thin-Be/Open thin-Be/Open close Safe Norm 354ms 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												
└─ thin-Be/Open thin-Be/Open close Safe Norm 16.0s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec												
└─ Seqn= 23 1-time(s) 4.0sec												
└─ Open/G-band Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024) Q=90 0 0 2.0sec												

Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 46 1-time(s) 2.0sec												
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 2 1-time(s) 2.0sec												
med-AL/Open	med-AL/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
med-AL/Open	med-AL/Open	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Seqn= 13 1-time(s) 2.0sec												
Al-poly/Ti-poly	Al-poly/thick-AL	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-AL	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1C6B: Synoptic Q95 2x2 - Al/mesh(64/512/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(128/1024/4096) +												
Term	Pointing (x, y)		Comment									
01/13 05:52:00 - 01/13 05:58:54	Fixed (	0.0, 0.0)	synoptic, shifted -11.0 min									
01/13 17:54:00 - 01/13 18:00:54	Fixed (	0.0, 0.0)	synoptic, shifted -9.0 min									
01/14 06:03:00 - 01/14 06:51:30	Fixed (	0.0, 0.0)	synoptic									
01/14 07:18:30 - 01/14 10:11:30	Track (	-570.0, 493.9)	# HOP410 - North pole CH									

PROG= 06 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= 36 1-time(s) 2.0sec												
Open/AL-mesh	Open/AL-mesh	close	Safe	Norm	63ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Open/AL-mesh	Open/AL-mesh	close	Safe	Norm	500ms	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= 85 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	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= 33 1-time(s) 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
thin-Be/Open	thin-Be/Open	close	Safe	Norm	22.6s	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	

* * * * * **Flare mode** * * * * *

XOB #1C96: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-AL,thick-Be -384x384 + Al-poly 512x512 2x2) + GB												
Term	Pointing (x, y)		Comment									
01/12 15:18:00 - 01/12 17:40:00	Fixed (	0.0, 0.0)	HOP410 - Disk center									
01/12 18:17:00 - 01/13 02:59:54	Fixed (	0.0, 0.0)	# HOP410 - disk center									
01/13 03:03:00 - 01/13 05:48:54	Track (	-716.5, 479.8)	HOP410 - North pole CH									
01/13 06:02:00 - 01/13 08:59:54	Track (	-702.6, 481.5)	# HOP410 - North pole CH									
01/13 09:03:00 - 01/13 17:50:54	Fixed (	0.0, 0.0)	HOP410 - disk center									
01/13 18:04:00 - 01/14 02:59:54	Fixed (	0.0, 0.0)	# HOP410 - disk center									
01/14 03:03:00 - 01/14 05:59:54	Track (	-589.2, 492.4)	HOP410 - North pole CH									

PROG= 04 30-time(s)												
Subr= 1 20-time(s) 2.0sec												
Seqn= 11 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-AL	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 73 1-time(s) 10.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
med-Be/Open	Open/thick-AL	close	Safe	Norm	250ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Subr= 2 1-time(s) 2.0sec												
Seqn= 10 1-time(s) 2.0sec												
med-AL/Open	med-AL/thick-AL	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Open/thick-Be	Open/thick-Be	close	Safe	Norm	2.00s	Obs	1x1	384x384 (1024, 1024)	Q=95	3	0	2.0sec
Seqn= 11 1-time(s) 2.0sec												
Al-poly/Open	Al-poly/thick-AL	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Seqn= 87 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-AL	Open/thick-AL	close	Safe	Dark	1.00s	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
Open/thick-AL	Open/thick-AL	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

* * * * * **Active Region Search** * * * * *

NOT USED

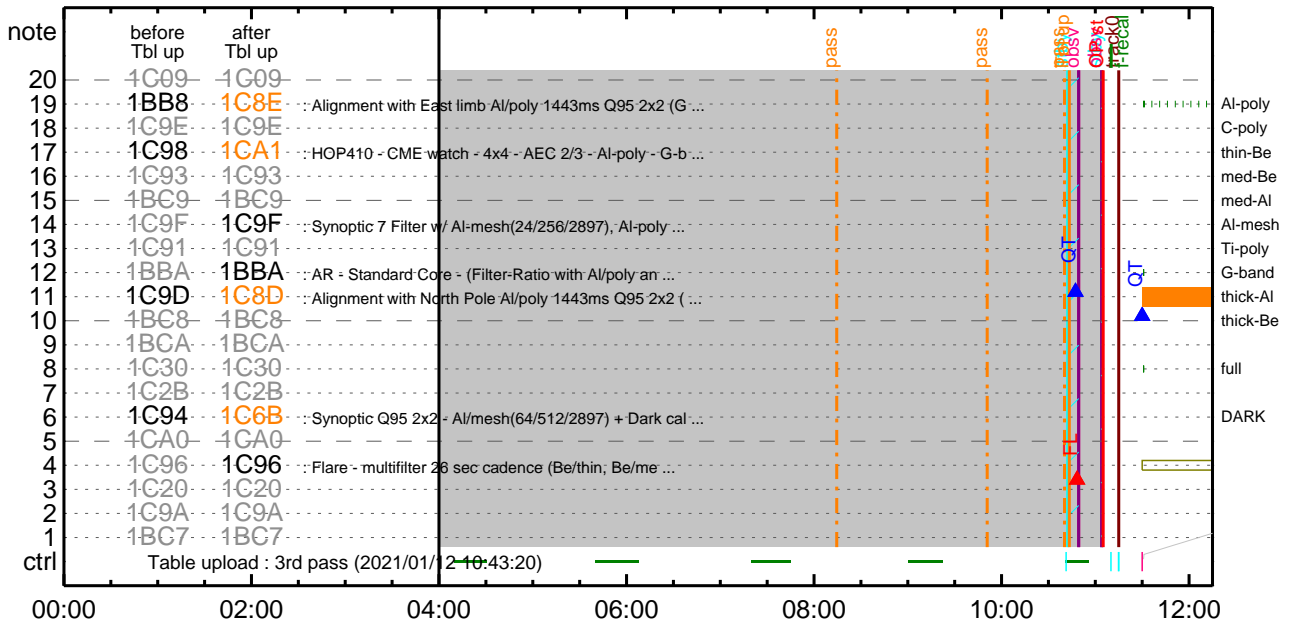
* * * * *

Flare Detection

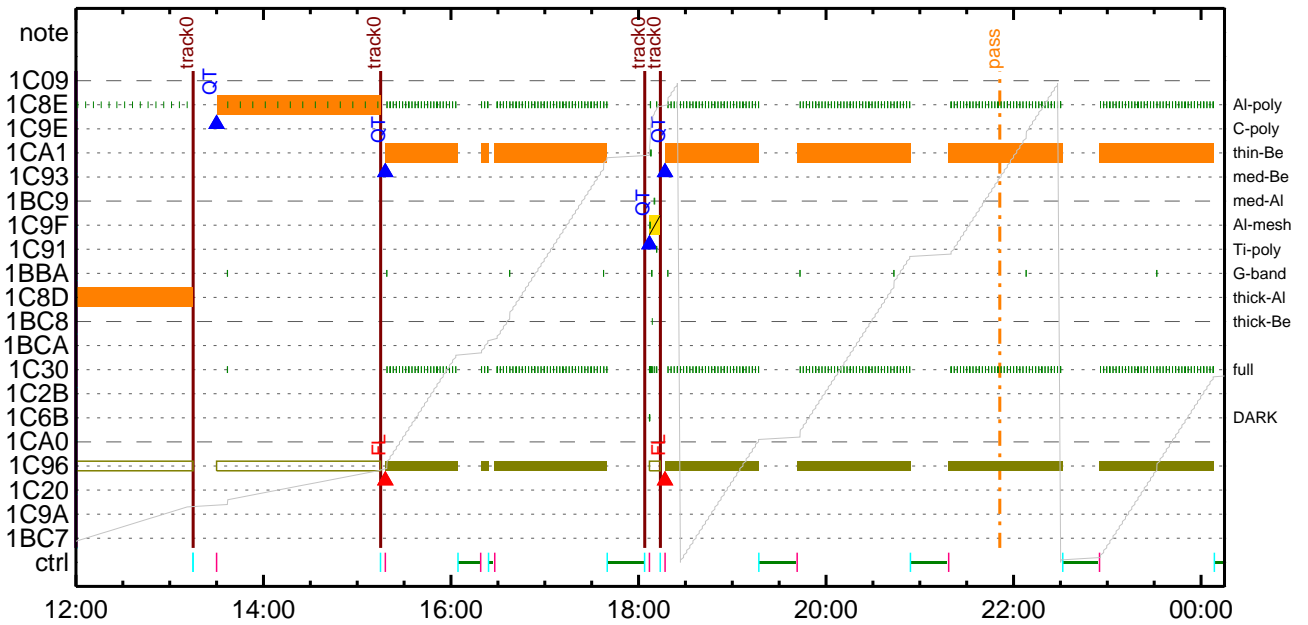
* * * * *

FLD Patrol												
Term		Pointing (x, y)						Comment				
01/12 15:15:16 - 01/12 18:04:16		Fixed (		0.0, 0.0)		HOP410 - Disk center					
01/12 18:14:16 - 01/13 05:49:16		Fixed (		0.0, 0.0)		# HOP410 - disk center					
01/13 05:59:16 - 01/13 17:51:16		Track (		-702.6, 481.5)		@ 01/13 05:59:00		# HOP410 - North pole CH			
01/13 18:01:16 - 01/14 06:00:16		Fixed (		0.0, 0.0)		# HOP410 - disk center					
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8	Q=50	30sec			
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

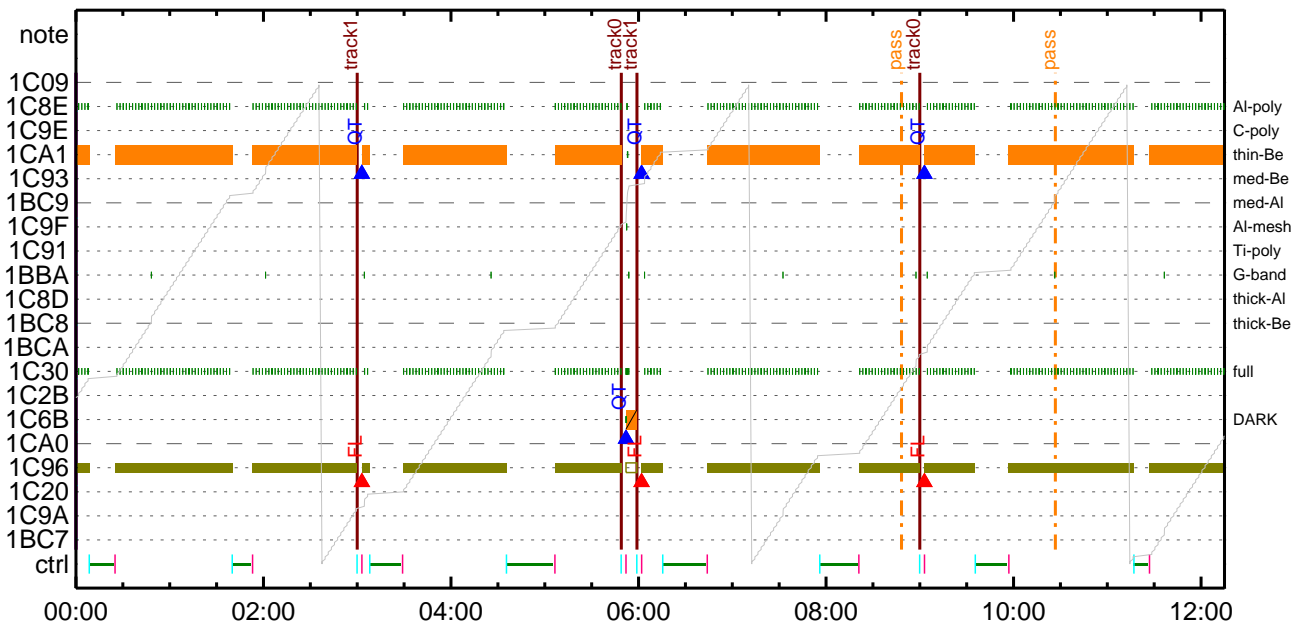
CMDI #0392 2021/01/12



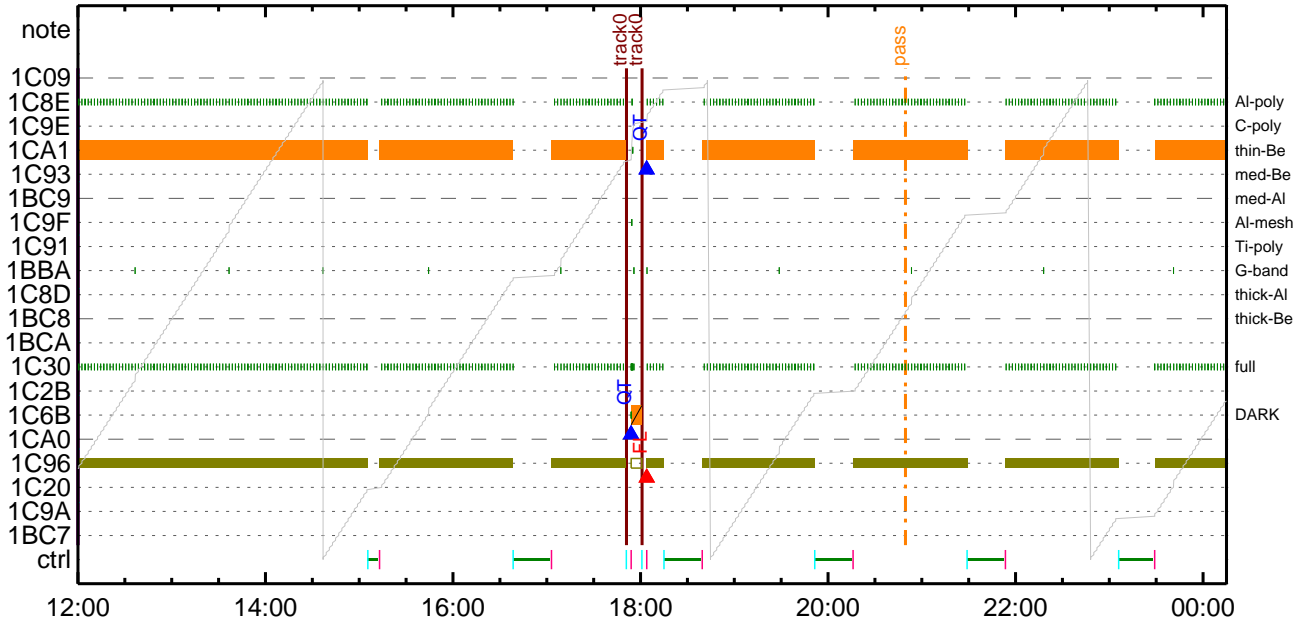
CMDI #0392 2021/01/12



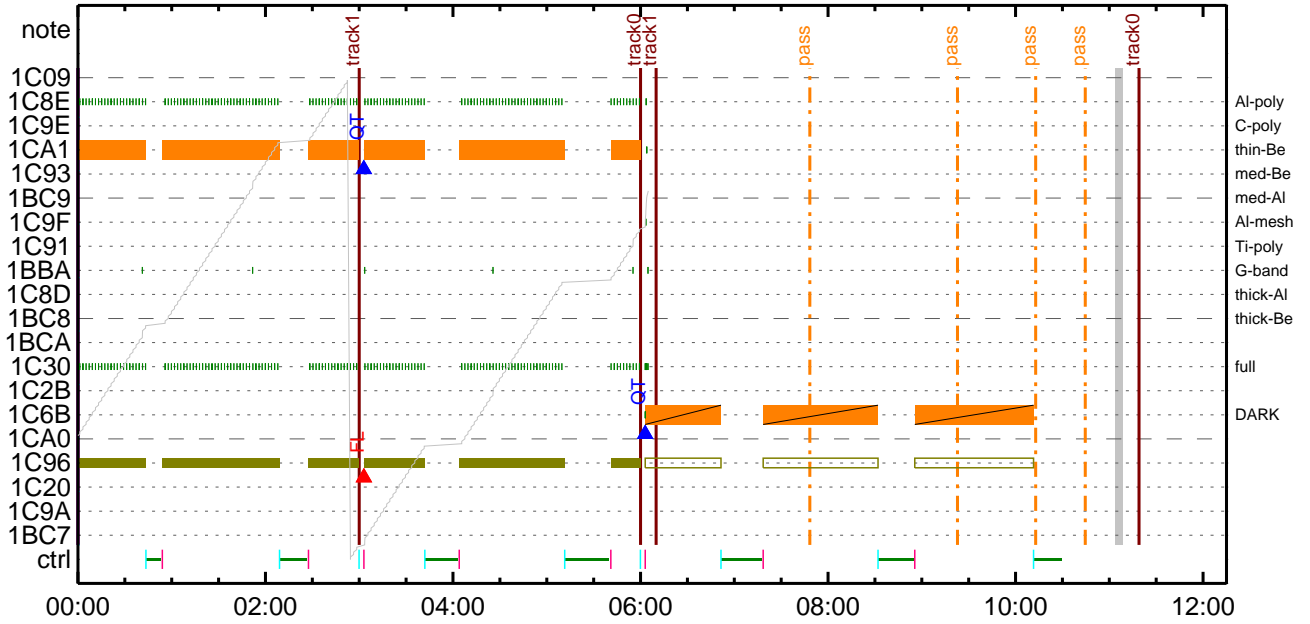
CMDI #0392 2021/01/13



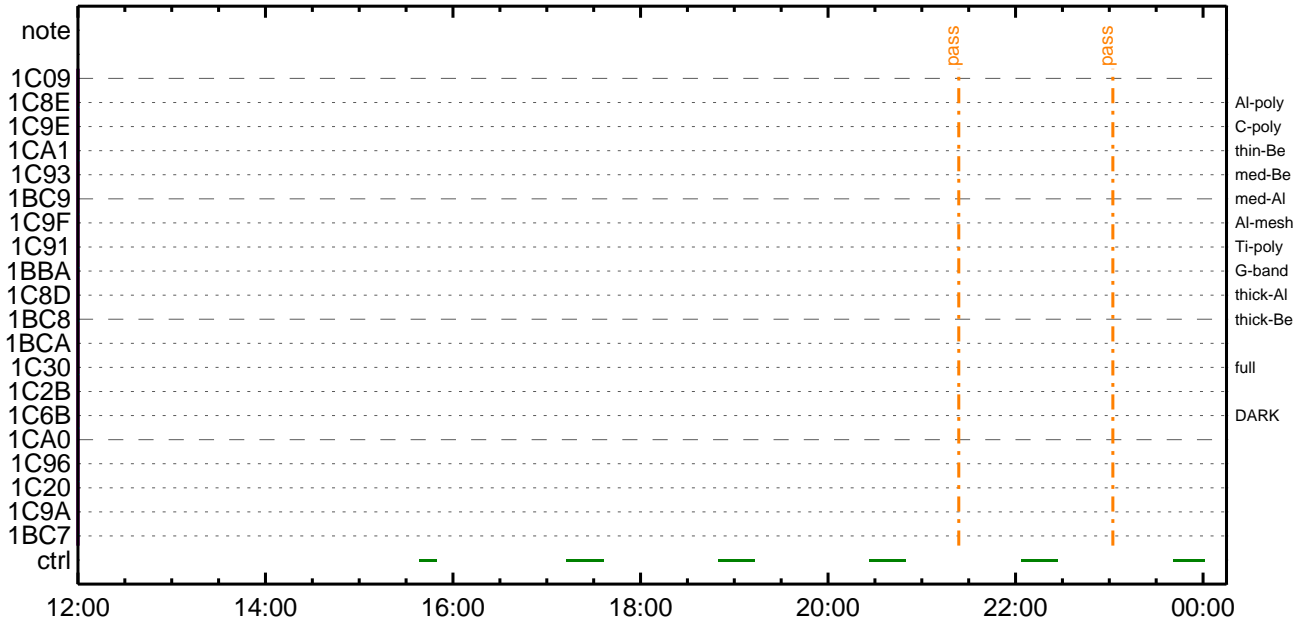
CMDI #0392 2021/01/13



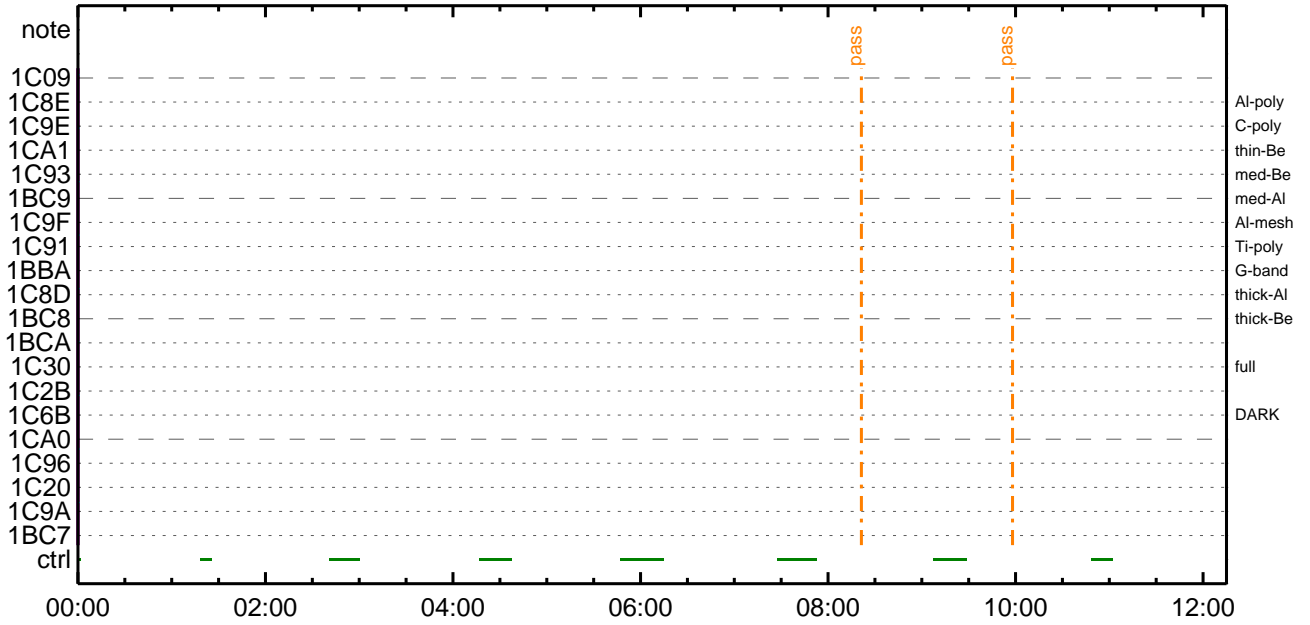
CMDI #0392 2021/01/14



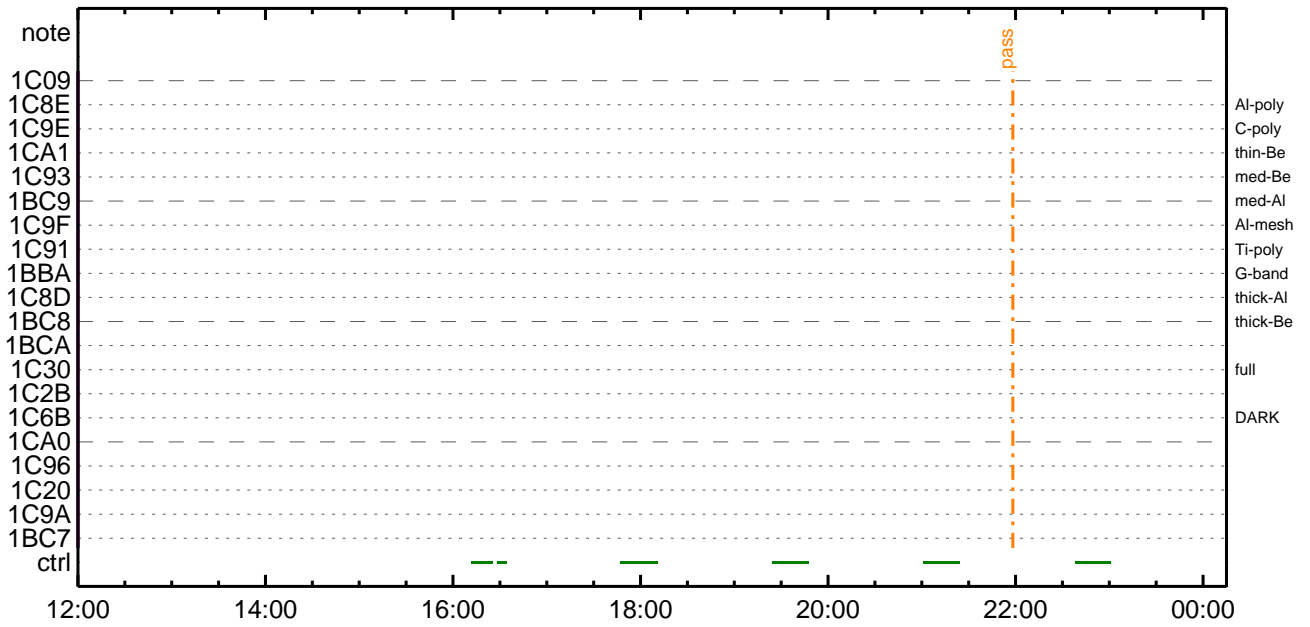
CMDI #0392 2021/01/14



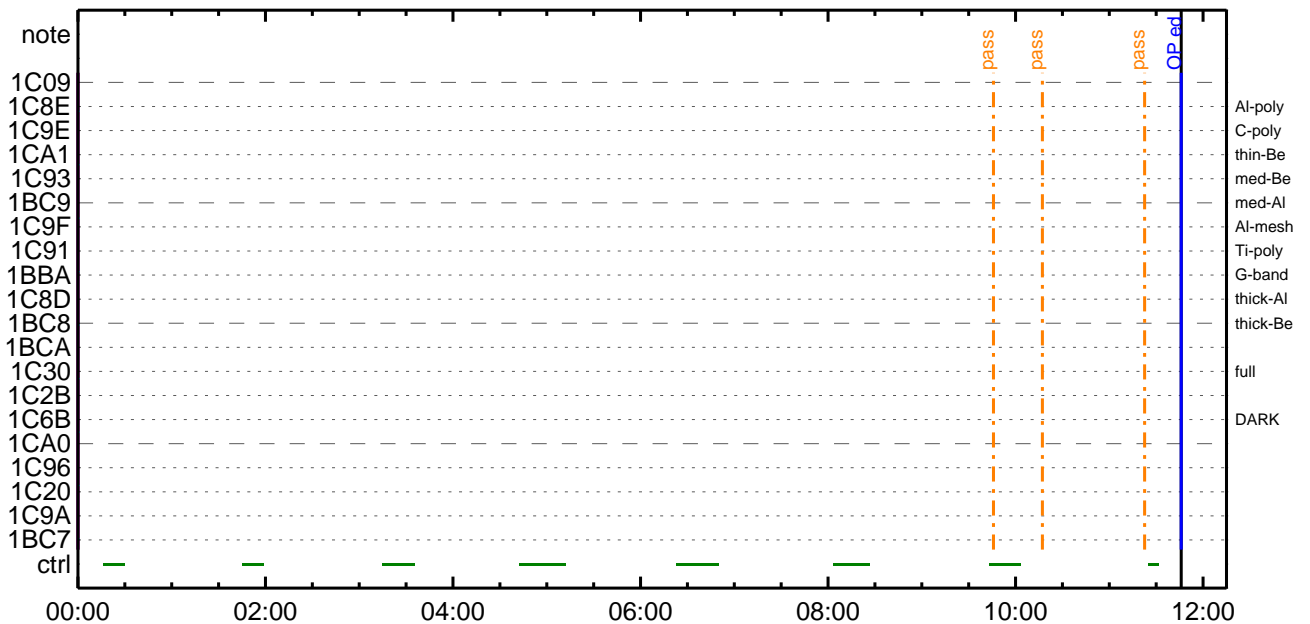
CMDI #0392 2021/01/15



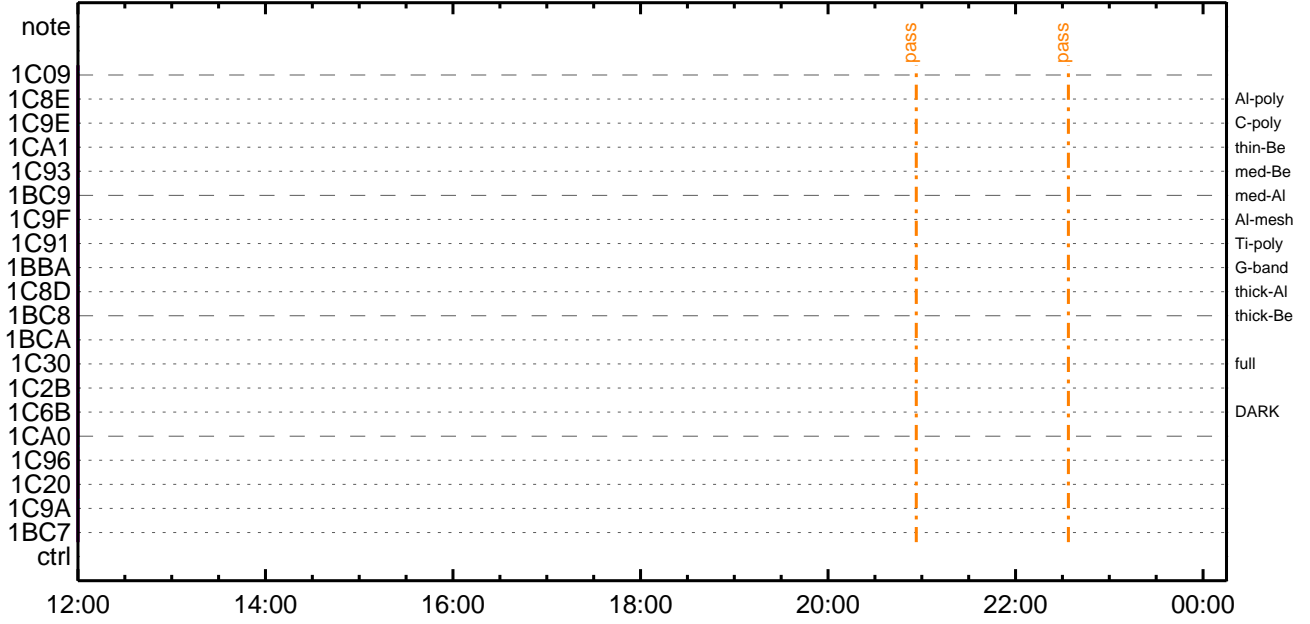
CMDI #0392 2021/01/15



CMDI #0392 2021/01/16



CMDI #0392 2021/01/16




```

0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;|YAYOX
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-256:OP
0104 ( )
0105 S. OG og-256:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°èYAYOX;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. YAYOXx½ª î»ò³ îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOGªî½ª¹ç•è² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOGªî½ª¹ç•è² îOKªò³ îÇ§
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. YAYOXx½ª î»ò³ îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OPªî½ª¹ç•è² îOKªò³ îÇ§
0165 C.
0166 C. ***** °ê²¼ª î½ª¹ç•è² îOKªò³ îÇ§ *****
0167 C. DHUYâ;4YE;ê½ª¹ç•è² îOKªò³ îÇ§
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 UPLOADª-Á÷ç@NGªî½ª¹ç•è² îOKªò³ îÇ§ *****
0180 C. çç[HK1_PKT_FORM_NO] EQ 2
0181 C.
0182 C. TIY³YpYOXEªò³ îOKªò³ îÇ§ (UT)
0183 +. TI 2021-01-12 11:00:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2021-01-12 11:00:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2021-01-12 11:00:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

```

```

0194 C.
0195 +. TI 2021-01-12 11:04:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]          EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αîÄë%îíñαîŷÄŷ§ŷÄŷ-¹àîŰ
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 2021-01-12 11:04:30.0
0245 DC 07-FC EIS_MODE_MANU
0246 BC      (21 02)
0247 +. TI 2021-01-12 11:04:40.0
0248 DC 07-FC EIS_MODE_CHG_DIS
0249 BC      (22)
0250 C.          [ ] [HK1_TI_CMD_NUM]        EQ      2 COUNTUP
0251 C. ***** End EIS operation (TI set) *****
0252 C.
0253 C.
0254 C.
0255 C. ***** XRT START *****
0256 C. Execute, after the success of OP upload.
0257 +. TI 2021-01-12 11:04:00.0
0258 DC 07-F0 MDP_XRT_MODE_STBY
0259 BC      (c3)
0260 C.          [ ] [HK1_TI_CMD_NUM]        EQ      1COUNTUP
0261 C.
0262 C. ***** XRT END *****
0263 C.
0264 C. ***** MDP `ûÄîαî»ò¼ŷαÈÄα¹αèDCBC•×²è *****
0265 C. (¼ª°îŷÖŷÄŷÈŷŷŷÈŷâŷçŷèαÈ¼αα¼Ä»Űα¹αè)
0266 S. DC-BC dcbc-402:DCBC
0267 (MDP_known_event)
0268 C.
0269 C.
0270 C. ***** ŷDŷ¹.İ Daily±;îñαÈ´Øα¹αèDCBC•×²è *****
0271 S. DC-BC dcbc-153:DCBC
0272 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0273 C.
0274 C.
0275 C. îãLOSŷÄŷŷŷÄŷ-¼Ä»Ű;ã
0276 C.
0277 C. ***** LOS *****
0278 C.

```


0096 C.
0097 C.
0098 . C. ***** APCS 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 APCS Dump Format
0113 +. DC 01-22 DHU_MODE_CHNG
0114 BC (04 0b f8)
0115 C.
0116 C. Wait for AOCSDUMP to end
0117 C.
0118 . C. Check the dump memory
0119 C.
0120 C. Result = OK []
0121 C.
0122 +. DC 01-22 DHU_MODE_CHNG
0123 BC (02 0a f8)
0124 C.
0125 C. <A_***>[TLM STS] FMT = 2 []
0126 C.
0127 +. DC 02-8E AOCU_ORB_UPD
0128 . C.
0129 . C. ***** APCS Commands (Orbital Element Update) *****
0130 C. Update the orbital element
0131 +. DC 02-50 AOCU_ORB_PRPGT_START
0132 BC (16)
0133 + DC 02-8E AOCU_ORB_UPD
0134 C.
0135 C. <A_ORB>[ORBIT] EPC = 6433701.6 +- 1.0 (s) []
0136 C.
0137 . C.
0138 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0139 +. DC 07-FC EIS_MODE_CHG_ENA
0140 BC (20)
0141 . C. Verify EIS_MODE_CHG_FLG is ENA
0142 +. DC 07-FC EIS_MODE_MANU
0143 BC (21 02)
0144 . C. Verify EIS in MANUAL mode
0145 . C. Estimated OBSTBL upload time is 19s
0146 C. *****
0147 C. EIS START OBSTBL LOAD
0148 C. *****
0149 . S. RAM ram-820:EIS_OBSTBL
0150 ()
0151 +. DC 07-FC EIS_DUMP_OBSTBL
0152 BC (07 07 07 00 00 70 00)
0153 C.
0154 C. Execute, after the success of OBSTBL upload.
0155 C. Set EIS TI-commands
0156 +. TI 2021-01-12 11:04:50.0
0157 DC 07-FC EIS_MODE_CHG_ENA
0158 BC (20)
0159 . C. [] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0160 C. *****
0161 C. EIS END OBSTBL LOAD
0162 C. *****
0163 C.
0164 . C. ***** MDP 'uAÎI»ö½ÝDÉÅD¼¹EÐCBC·x²è *****
0165 C. (¼áºîYÔYÄYËYÏYËYÄYÇYÈE¾¼¼À»Ù¼¹Eé)
0166 . S. DC-BC dcbc-402:DCBC
0167 (MDP_known_event)
0168 C.
0169 C.
0170 . C. ***** YÐY¹·İ Daily±;İŇE'Ø¼¹EÐCBC·x²è *****
0171 . S. DC-BC dcbc-153:DCBC
0172 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0173 C.
0174 C.
0175 . C. ;ãLOSŸÁYŸYÄY-¼À»Û;ã
0176 C.
0177 . C. ***** LOS *****
0178 C.

(a) Spacecraft Operation Procedure (real-commands)

```
main-258 2021-01-12 12:29:05 102 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¿òÁø•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÁ®, ùø¹øèøÈøÇÁ+¿®ø•øÈøøøøÈ;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 06 06)
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 60 20 18)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 a0 80 18 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 08 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 80 80 20 08)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0c 80 80 08 20)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0f 80 80 06 06)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 10 80 80 08 08)
0060 + DC 07-F0 MDP_XRT_FLD_ENA
0061 BC (d8)
0062 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0063 BC (c8)
0064 + DC 07-F0 MDP_XRT_ARS_DIS
0065 BC (d5)
0066 + DC 07-F0 MDP_XRT_AEC_RESET
0067 BC (d0)
0068 + DC 07-F0 MDP_XRT_FLD_RESET
0069 BC (da)
0070 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0071 BC (c4 0c)
0072 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0073 BC (c5 04)
0074 . C. ----- Success Verify ? OK / NG ____
0075 C.
0076 C.
0077 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0078 C.
0079 +. DC 07-F0 MDP_XRT_MODE_OBSV
0080 BC (c2)
0081 +. TI 2021-01-12 11:04:02.0
0082 DC 07-F0 MDP_XRT_MODE_OBSV
0083 BC (c2)
0084 . C. ----- Success Verify ? OK / NG ____
0085 C.
0086 C. ***** XRT END *****
0087 C.
0088 . C. ***** MDP ´úÁíøí»ø¼YøÈÁøø¹øÈDCBC•x²è *****
0089 C. (%á°íYÓYÁYÈYB¥YÉYáYçYèøÈ¼øø¼Á»Ûø¹øè)
0090 . S. DC-BC dcbc-402:DCBC
0091 (MDP_known_event)
0092 C.
0093 C.
0094 . C. ***** YÐY¹.í Daily+¿íÑøÈ´Øø¹øÈDCBC•x²è *****
0095 . S. DC-BC dcbc-153:DCBC
```

```
0096 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0097 C.
0098 C.
0099 . C. ;äLOSŸÁŸSŸÄŸ-¼Ä»Û;ä
0100 C.
0101 . C. ***** LOS *****
0102 C.
```

*** OP Sequence for XRT ***

2021/01/12	11:10:00.0	XRT_CTRL_MANU_403_OG [0x193]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	11:10:10.0	XRT_FOCUS_RECALIBRATE_427_OG [0x1ab]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2021/01/12	11:14:10.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2021/01/12	11:14:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	11:14:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	11:14:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2021/01/12	11:15:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00	ad	59	00	00
2021/01/12	11:15:18.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2021/01/12	11:29:54.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2021/01/12	11:29:56.0	XRT_ARS_DIS_444_OG [0x1bc]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/01/12	11:29:58.0	XRT_QT_PROG_SET_447_OG [0x1bf]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b			
2021/01/12	11:30:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/12	13:14:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	13:14:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	13:14:58.0	XRT_FOCUS_POSITION_439_OG [0x1b7]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2021/01/12	13:15:00.5	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	56	35
2021/01/12	13:15:18.0	XRT_FLD_DIS_422_OG [0x1a6]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2021/01/12	13:29:54.0	XRT_ARS_DIS_444_OG [0x1bc]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/01/12	13:29:56.0	XRT_FLRCTRL_DIS_436_OG [0x1b4]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2021/01/12	13:29:58.0	XRT_QT_PROG_SET_442_OG [0x1ba]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	13			
2021/01/12	13:30:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/12	15:14:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	15:14:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2021/01/12	15:15:00.0	AOCS_Ore-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2021/01/12	15:15:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2021/01/12	15:15:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2021/01/12	15:15:20.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2021/01/12	15:15:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/01/12	15:15:24.0	XRT_FLD_RESET_429_OG [0x1ad]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/12	15:17:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2021/01/12	15:17:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	04			
2021/01/12	15:18:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/12	16:04:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	16:04:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/12	16:04:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/12	16:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/12	16:18:00.0	XRT_Custom_430_OG [0x1ae]							
2021/01/12	16:19:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/12	16:24:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	16:24:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/12	16:24:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/12	16:27:00.0	XRT_Custom_430_OG [0x1ae]							
2021/01/12	16:27:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/12	16:28:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/12	17:40:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/12	17:40:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/12	17:40:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]							

2021/01/12	17:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/12	18:03:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/12	18:03:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/12	18:04:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2021/01/12	18:04:16.0	XRT_FLD_DIS_409_OG [0x199]	AOCU_NM	5	02-76	00 00 00 00 00
2021/01/12	18:04:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLD_DIS	1	07-F0	d9
2021/01/12	18:04:20.0	XRT_ARS_DIS_432_OG [0x1b0]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2021/01/12	18:06:58.0	XRT_QT_PROG_SET_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5
2021/01/12	18:07:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2021/01/12	18:13:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/12	18:13:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/12	18:14:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2021/01/12	18:14:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00
2021/01/12	18:14:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2021/01/12	18:14:20.5	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2021/01/12	18:14:22.5	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2021/01/12	18:14:24.5	XRT_FLD_RESET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5
2021/01/12	18:16:56.5	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/12	18:16:58.5	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2021/01/12	18:17:00.5	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2021/01/12	19:17:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/12	19:17:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/12	19:17:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/12	19:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/12	19:40:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/12	19:41:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2021/01/12	20:54:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/12	20:54:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/12	20:54:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/12	20:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/12	21:17:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/12	21:18:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2021/01/12	22:31:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/12	22:31:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/12	22:31:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/12	22:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/12	22:54:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/12	22:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2021/01/13	00:08:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	00:08:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	00:08:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	00:11:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/13	00:24:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/13	00:25:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2021/01/13	01:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	01:40:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	01:40:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	01:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
			MDP_XRT_PREFLR_STOP	1	07-F0	e9

2021/01/13	01:52:00.0	XRT_Custom_430_OG [0x1ae]			
2021/01/13	01:53:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	02:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2021/01/13	03:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	01 00 00 00 00
2021/01/13	03:00:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2021/01/13	03:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2021/01/13	03:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2021/01/13	03:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2021/01/13	03:00:24.0	XRT_FLD_RESET_429_OG [0x1ad]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	03:02:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2021/01/13	03:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2021/01/13	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	03:08:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	03:08:02.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	03:08:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/13	03:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/13	03:28:00.5	XRT_Custom_430_OG [0x1ae]			
2021/01/13	03:29:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	04:35:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	04:35:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	04:35:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/13	04:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2021/01/13	05:05:30.0	XRT_Custom_430_OG [0x1ae]			
2021/01/13	05:06:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	05:48:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	05:48:56.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2021/01/13	05:49:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	00 00 00 00 00
2021/01/13	05:49:16.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2021/01/13	05:49:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2021/01/13	05:49:20.0	XRT_ARS_DIS_432_OG [0x1b0]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2021/01/13	05:51:58.0	XRT_QT_PROG_SET_407_OG [0x197]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 06
2021/01/13	05:52:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	05:58:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	05:58:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2021/01/13	05:59:00.0	AOCS_ORe-point_Start_4_OG [0x09a]			
		AOCU_NM	5	02-76	01 00 00 00 00
2021/01/13	05:59:16.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2021/01/13	05:59:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2021/01/13	05:59:20.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2021/01/13	05:59:22.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2021/01/13	05:59:24.0	XRT_FLD_RESET_429_OG [0x1ad]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	06:01:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2021/01/13	06:01:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2021/01/13	06:02:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2021/01/13	06:15:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2021/01/13	06:15:32.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2021/01/13	06:15:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2021/01/13	06:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9

2021/01/13	06:43:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	06:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	07:56:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	07:56:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	07:56:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/01/13	07:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/01/13	08:20:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	08:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	08:59:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	08:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]						
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2021/01/13	09:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2021/01/13	09:00:16.0	XRT_FLD_ENA_411_OG [0x19b]						
		MDP_XRT_FLD_ENA	1	07-F0	d8			
2021/01/13	09:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]						
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2021/01/13	09:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]						
		MDP_XRT_AEC_RESET	1	07-F0	d0			
2021/01/13	09:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/01/13	09:00:24.0	XRT_FLD_RESET_429_OG [0x1ad]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	09:02:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]						
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11			
2021/01/13	09:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]						
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04			
2021/01/13	09:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	09:35:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	09:35:32.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	09:35:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/01/13	09:38:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/01/13	09:56:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	09:57:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	11:17:00.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	11:17:02.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	11:17:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/01/13	11:20:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/01/13	11:26:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	11:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	15:05:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	15:05:32.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	15:05:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/01/13	15:08:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/01/13	15:12:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	15:13:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	16:38:30.0	XRT_CTRL_MANU_400_OG [0x190]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	16:38:32.0	XRT_FLD_RESET_415_OG [0x19f]						
		MDP_XRT_FLD_RESET	1	07-F0	da			
2021/01/13	16:38:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]						
		MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2021/01/13	16:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]						
		MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2021/01/13	17:02:00.0	XRT_Custom_430_OG [0x1ae]						
2021/01/13	17:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]						
		MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2021/01/13	17:50:54.0	XRT_CTRL_MANU_402_OG [0x192]						
		MDP_XRT_CTRL_MANU	1	07-F0	c1			
2021/01/13	17:50:56.0	XRT_FOCUS_POSITION_406_OG [0x196]						
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2021/01/13	17:51:00.0	AOCS_Ore-point_Start_3_OG [0x099]						
		AOCU_NM	5	02-76	00 00 00 00 00			
2021/01/13	17:51:16.0	XRT_FLD_DIS_409_OG [0x199]						
		MDP_XRT_FLD_DIS	1	07-F0	d9			
2021/01/13	17:51:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]						
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2021/01/13	17:51:20.0	XRT_ARS_DIS_432_OG [0x1b0]						
		MDP_XRT_ARS_DIS	1	07-F0	d5			
2021/01/13	17:53:58.0	XRT_QT_PROG_SET_407_OG [0x197]						

2021/01/13	17:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06
2021/01/13	18:00:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/13	18:00:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/13	18:01:00.0	AOCS_OrE-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2021/01/13	18:01:16.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00	
2021/01/13	18:01:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2021/01/13	18:01:20.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2021/01/13	18:01:22.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2021/01/13	18:01:24.0	XRT_FLD_RESET_429_OG [0x1ad]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2021/01/13	18:03:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/13	18:03:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11	
2021/01/13	18:04:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04	
2021/01/13	18:15:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/13	18:15:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/13	18:15:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/13	18:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/01/13	18:38:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/01/13	18:39:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]				
2021/01/13	19:51:30.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]				
2021/01/13	19:51:32.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/13	19:51:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/13	19:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/13	20:15:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/01/13	20:16:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/01/13	21:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_CTRL_AUTO_424_OG [0x1a8]				
2021/01/13	21:29:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/13	21:29:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/13	21:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/13	21:52:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/01/13	21:53:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/01/13	23:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	XRT_Custom_430_OG [0x1ae]				
2021/01/13	23:06:02.0	XRT_FLD_RESET_415_OG [0x19f]	XRT_CTRL_AUTO_424_OG [0x1a8]				
2021/01/13	23:06:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/13	23:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/13	23:28:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/13	23:29:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/01/14	00:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/01/14	00:43:32.0	XRT_FLD_RESET_415_OG [0x19f]	XRT_Custom_430_OG [0x1ae]				
2021/01/14	00:43:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]	XRT_CTRL_AUTO_424_OG [0x1a8]				
2021/01/14	00:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/14	00:53:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/14	00:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/14	02:09:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2021/01/14	02:09:02.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2021/01/14	02:09:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]	XRT_Custom_430_OG [0x1ae]				
2021/01/14	02:09:04.0	XRT_PREFLR_STOP_419_OG [0x1a3]	XRT_CTRL_AUTO_424_OG [0x1a8]				
2021/01/14	02:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2021/01/14	02:26:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2021/01/14	02:27:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_FLD_RESET	1	07-F0	da	
2021/01/14	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
			MDP_XRT_PREFLR_STOP	1	07-F0	e9	
			XRT_Custom_430_OG [0x1ae]				
			XRT_CTRL_AUTO_424_OG [0x1a8]				
			MDP_XRT_CTRL_AUTO	1	07-F0	c0	
			MDP_XRT_CTRL_MANU	1	07-F0	c1	

2021/01/14	02:59:56.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2021/01/14	03:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	01	00	00	00	00
2021/01/14	03:00:16.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2021/01/14	03:00:18.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2021/01/14	03:00:20.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2021/01/14	03:00:22.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/01/14	03:00:24.0	XRT_FLD_RESET_429_OG [0x1ad]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	03:02:56.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2021/01/14	03:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	04			
2021/01/14	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	03:42:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	03:42:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	03:42:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/14	03:45:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/14	04:03:00.0	XRT_Custom_430_OG [0x1ae]							
2021/01/14	04:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	05:11:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	05:11:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	05:11:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/14	05:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/14	05:40:00.0	XRT_Custom_430_OG [0x1ae]							
2021/01/14	05:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	05:59:56.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2021/01/14	06:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00
2021/01/14	06:00:16.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2021/01/14	06:00:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2021/01/14	06:00:20.0	XRT_ARS_DIS_432_OG [0x1b0]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2021/01/14	06:02:58.0	XRT_QT_PROG_SET_407_OG [0x197]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	06			
2021/01/14	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	06:10:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	01	00	00	00	00
2021/01/14	06:51:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	06:51:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	06:51:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/14	06:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/14	07:17:30.5	XRT_Custom_430_OG [0x1ae]							
2021/01/14	07:18:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	08:32:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	08:32:02.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	08:32:04.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/14	08:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/14	08:54:30.0	XRT_Custom_430_OG [0x1ae]							
2021/01/14	08:55:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2021/01/14	10:11:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2021/01/14	10:11:32.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2021/01/14	10:11:34.0	XRT_PREFLR_STRT_417_OG [0x1a1]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2021/01/14	10:14:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2021/01/14	11:19:00.0	AOCS_ORe-point_Start_3_OG [0x099]							
		AOCU_NM	5	02-76	00	00	00	00	00