

XRT Timeline to be uploaded on 2023/04/22

Period: 2023/04/22 10:58:00 - 2023/04/27 10:36:00

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Normal mode

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XOB #1BBA: AR - Standard Core - (Filter-Ratio with Al/poly and thin-Be long/short pairs) with PFB, 384x384 at 1064 1048, thin-Be, and Al/poly context, with

Term	Pointing (x, y)	Comment
04/22 11:21:00 - 04/22 17:41:54	Track (307.5, -298.9) [Ⓞ] 04/22 11:08:00	# OP start + 10min, AR 13283
04/22 17:55:00 - 04/23 03:33:30	Track (360.2, -301.2) [Ⓞ] 04/22 17:52:00	AR 13283
PROG= 12 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 92 1-time(s) 2.0sec		
Open/G-band	Open/G-band open Safe Norm 1ms Obs 1x1 384x384 (1064, 1048)	DPCM 0 0 2.0sec
Open/G-band	Open/G-band close Safe Norm 1ms Obs 1x1 384x384 (1064, 1048)	DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close Safe Dark 16.0s Obs 1x1 384x384 (1064, 1048)	Q=98 0 0 2.0sec
Subr= 2 5-time(s) 2.0sec		
Seqn= 47 1-time(s) 2.0sec		
Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048)	Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048)	Q=95 3 0 2.0sec
thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 2 0 2.0sec
thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 3 0 2.0sec
Seqn= 96 4-time(s) 120.0sec		
Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 0 2.0sec
thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 0 2.0sec
Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 1 2.0sec
thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 1 2.0sec
Al-poly/Open	thin-Be/Open close Safe Norm 250ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 2 2.0sec
thin-Be/Open	med-Be/Open close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048)	Q=95 1 2 2.0sec
Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval	

XOB #1CF0: Synoptic 8 Filter w/ Al-mesh(5/128/723), Al-poly(12/181/1443), Thin-Be(33/512/4096), Thick-Be(65536), Med-Al(512/8192/32768), Med-Be(128/576)

Term	Pointing (x, y)	Comment
04/22 17:45:00 - 04/22 17:51:54	Fixed (0.0, 0.0)	synoptic, shifted -18.0 min
04/23 06:02:30 - 04/23 06:10:30	Fixed (0.0, 0.0)	HOP349 and HOP448
PROG= 09 1-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 5 1-time(s) 2.0sec		
Open/Ti-poly	Open/thick-Al close Safe Dark 500ms Obs 2x2 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close Safe Dark 500ms Obs 4x4 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close Safe Dark 500ms Obs 8x8 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close Safe Dark 500ms Obs 1x1 2048x512 (1024, 1024)	DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al close Safe Dark 500ms Obs 1x1 512x2048 (1024, 1024)	DPCM 0 0 2.0sec
Seqn= 26 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh close Safe Norm 5ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh close Safe Norm 707ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Seqn= 15 1-time(s) 2.0sec		
Al-poly/Open	Al-poly/Open close Safe Norm 12ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/thick-Al close Safe Norm 1.41s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Seqn= 83 1-time(s) 2.0sec		
thin-Be/Open	thin-Be/Open close Safe Norm 32ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close Safe Norm 4.00s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Seqn= 23 1-time(s) 4.0sec		
Open/G-band	Open/G-band open Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024)	Q=90 0 0 2.0sec
Open/G-band	Open/G-band close Safe Norm 1ms Obs 1x1 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Subr= 2 1-time(s) 2.0sec		
Seqn= 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= 17 1-time(s) 2.0sec		
med-Al/Open	med-Al/thick-Al close Safe Norm 250ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
med-Al/Open	med-Al/thick-Al close Safe Norm 8.00s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
med-Al/Open	med-Al/Open close Safe Norm 32.0s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Seqn= 33 1-time(s) 2.0sec		
med-Be/Open	Open/thick-Al close Safe Norm 125ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
med-Be/Open	med-Be/Open close Safe Norm 5.66s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
med-Be/Open	med-Be/Open close Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Seqn= 56 1-time(s) 2.0sec		
Al-poly/Ti-poly	Al-poly/thick-Al close Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al close Safe Norm 2.00s Obs 2x2 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
Default Filter	Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval	

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

Term	Pointing (x, y)	Comment
04/23 04:11:00 - 04/23 05:59:24	Fixed (0.0, 0.0)	HOP349 and HOP448
PROG= 18 Inf.-time(s)		

Subr= 1 1-time(s) 300.0sec													
Seqn= 55 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 15 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	177ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 79 1-time(s) 2.0sec													
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 30 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1024, 1024)	Q=95	0	0	2.0sec
Subr= 2 20-time(s) 900.0sec													
Seqn= 8 1-time(s) 2.0sec													
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 74 1-time(s) 2.0sec													
	med-Be/Open	med-Be/Open	close	Safe	Norm	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	med-Be/Open	med-Be/Open	close	Safe	Norm	2.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Seqn= 6 1-time(s) 2.0sec													
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0	2.0sec
Seqn= 29 1-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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Flare mode

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XOB #1C96: Flare - multifilter 26 sec cadence (Be/thin, Be/med, Be/thick), AEC 3, 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512x512 2x2) + GT

Term	Pointing (x, y)	Comment
04/22 11:21:00 - 04/22 17:41:54	Track (307.5, -298.9) ^{® 04/22 11:08:00}	# OP start + 10min, AR 13283
04/22 17:55:00 - 04/23 03:33:30	Track (360.2, -301.2) ^{® 04/22 17:52:00}	AR 13283
04/23 04:11:00 - 04/23 05:59:24	Fixed (0.0, 0.0)	HOP349 and HOP448

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	

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Active Region Search

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NOT USED

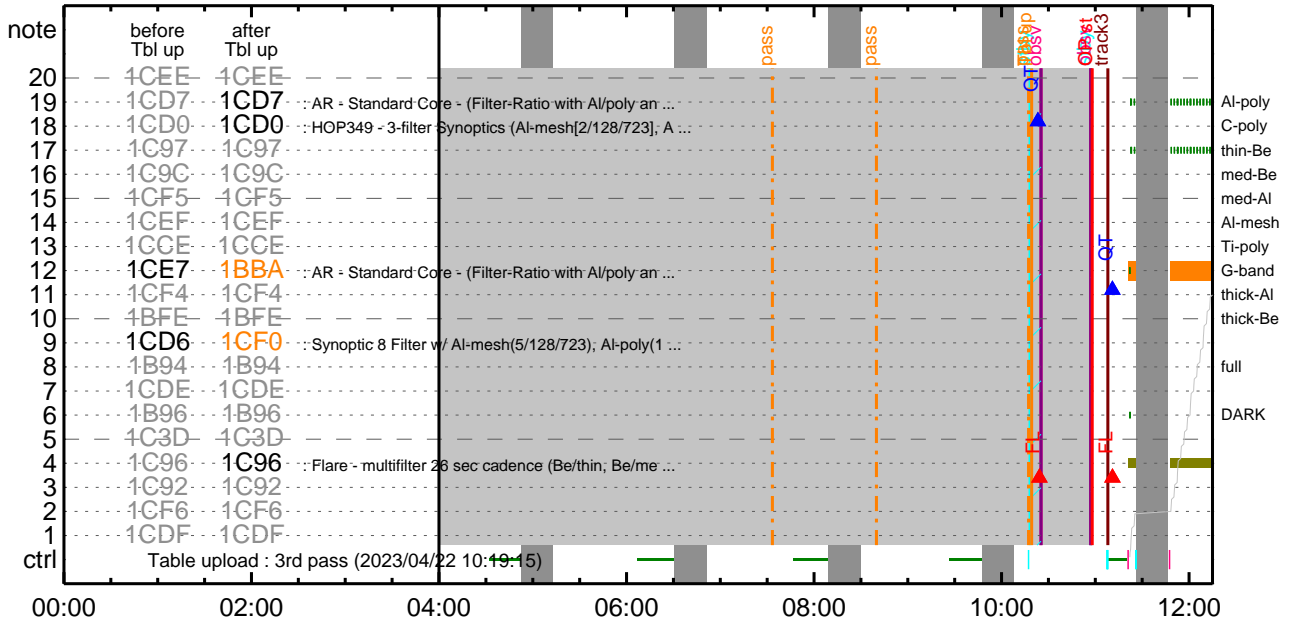
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Flare Detection

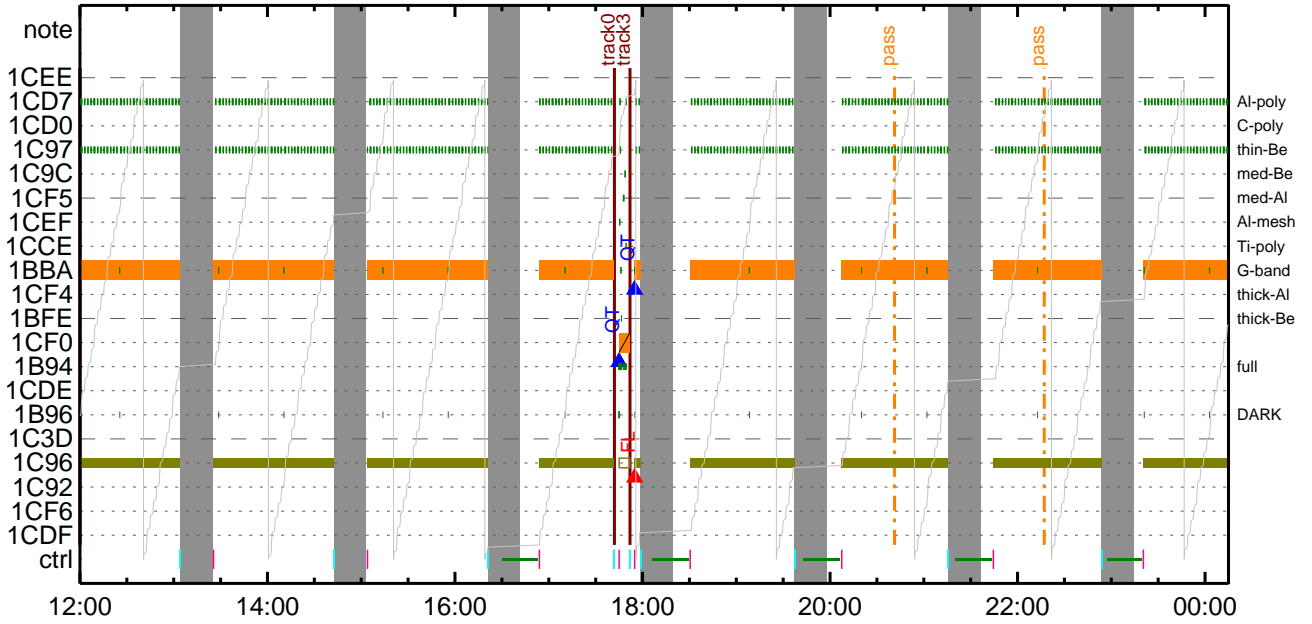
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FLD Patrol												
Term	Pointing (x, y)	Comment										
04/22 10:20:15 - 04/22 17:42:18	cannot be identified											
04/22 17:52:18 - 04/23 05:59:48	Track (360.2, -301.2) ^{® 04/22 17:52:00}	AR 13283										
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4ms	Obs	8x8		Q=50		30sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval

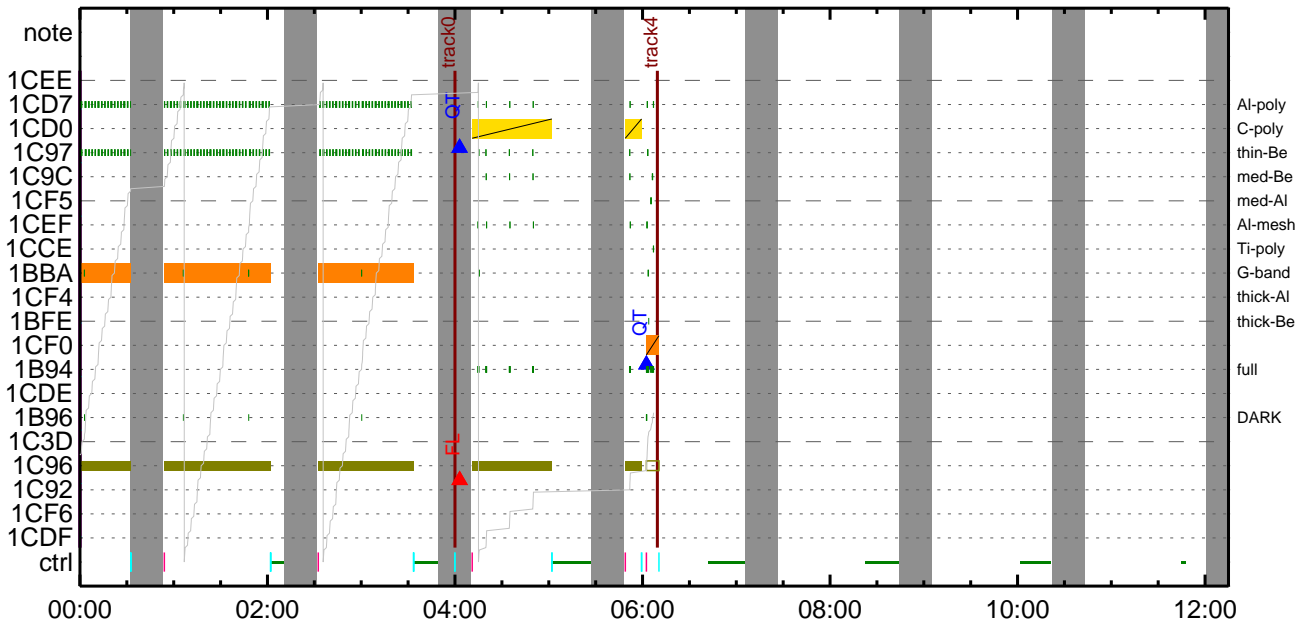
CMDI #0024 2023/04/22



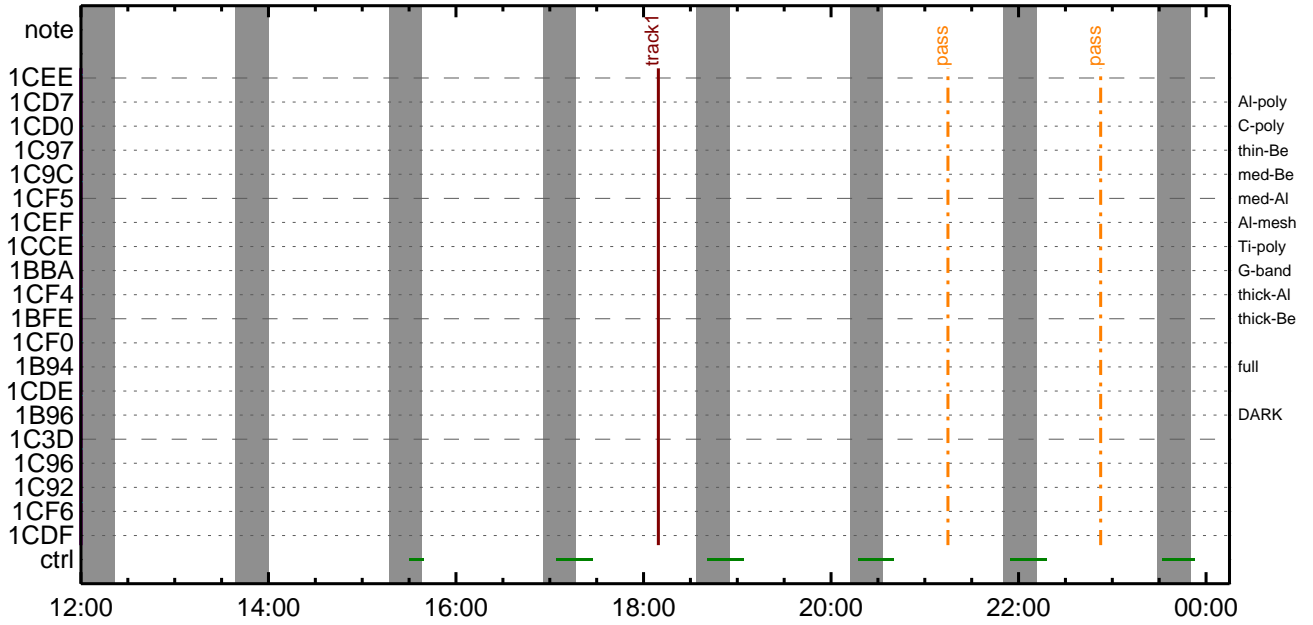
CMDI #0024 2023/04/22



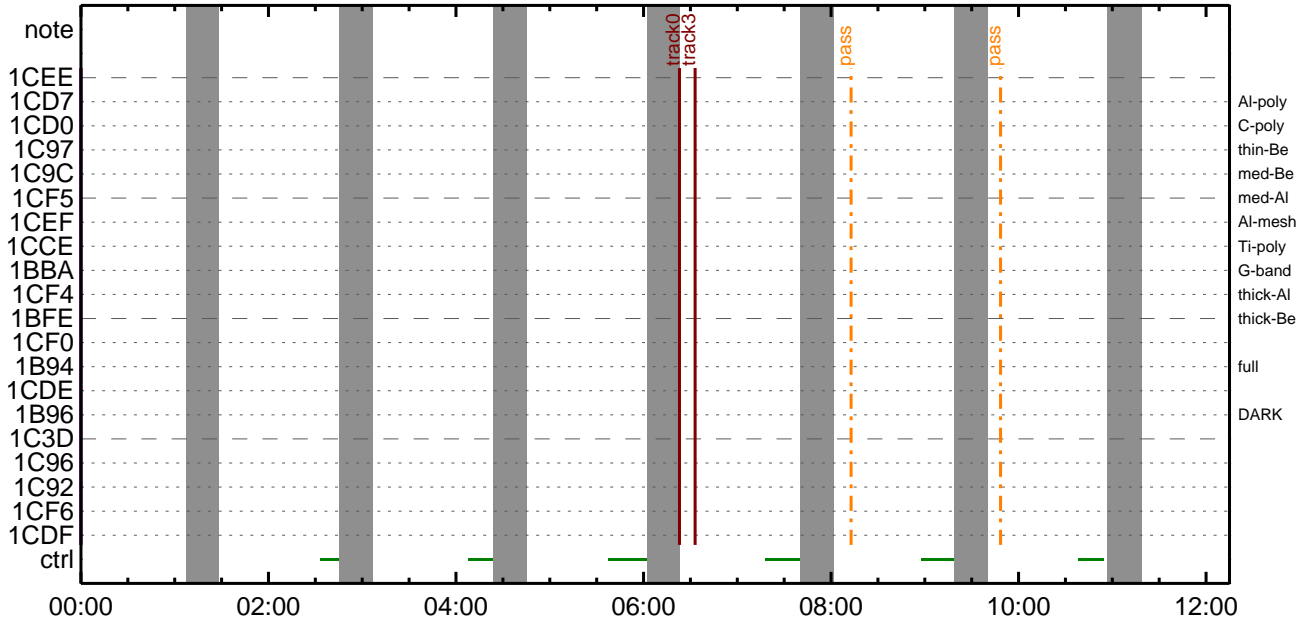
CMDI #0024 2023/04/23



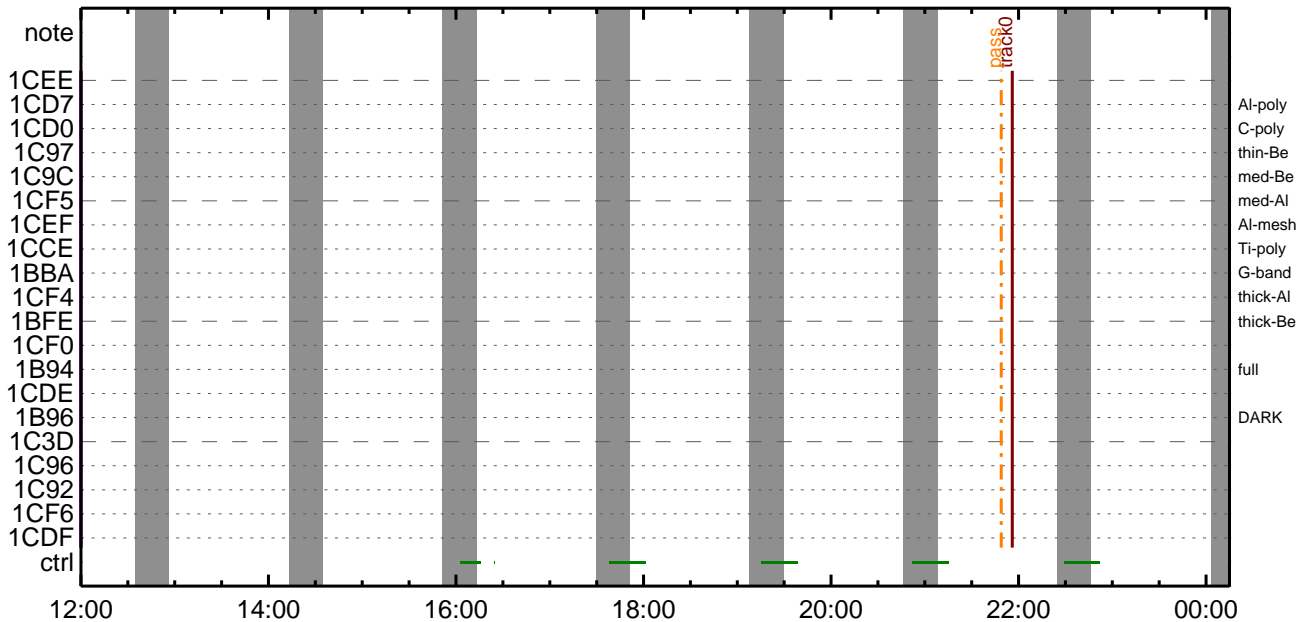
CMDI #0024 2023/04/23



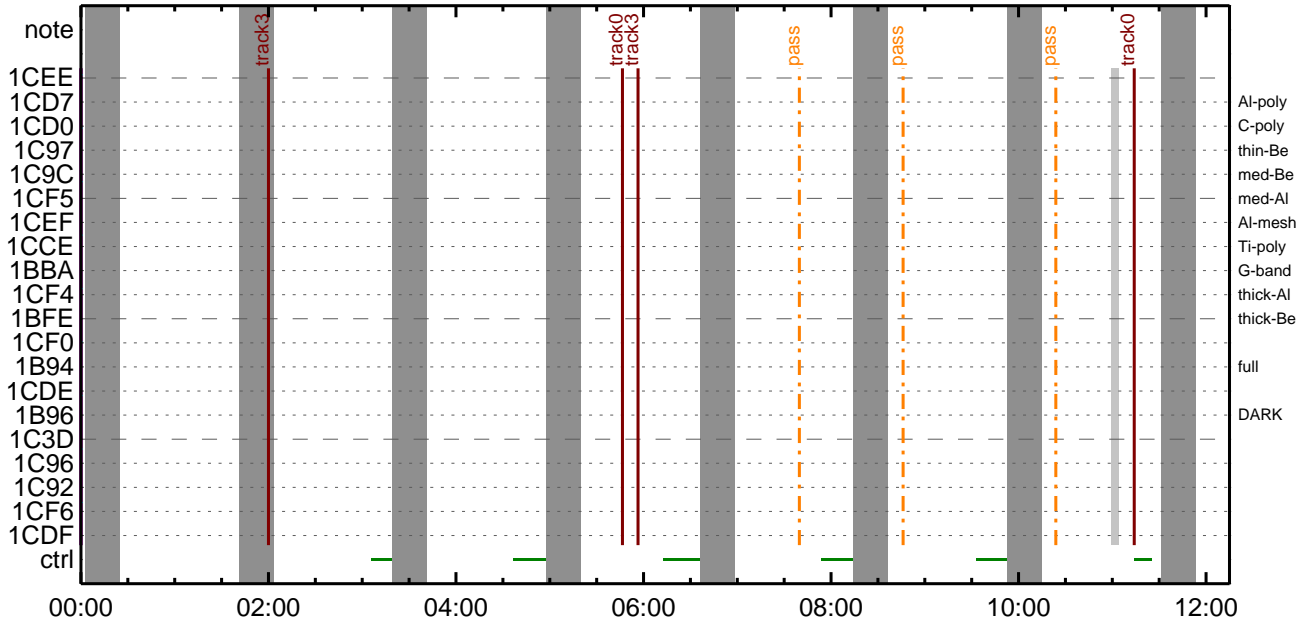
CMDI #0024 2023/04/24



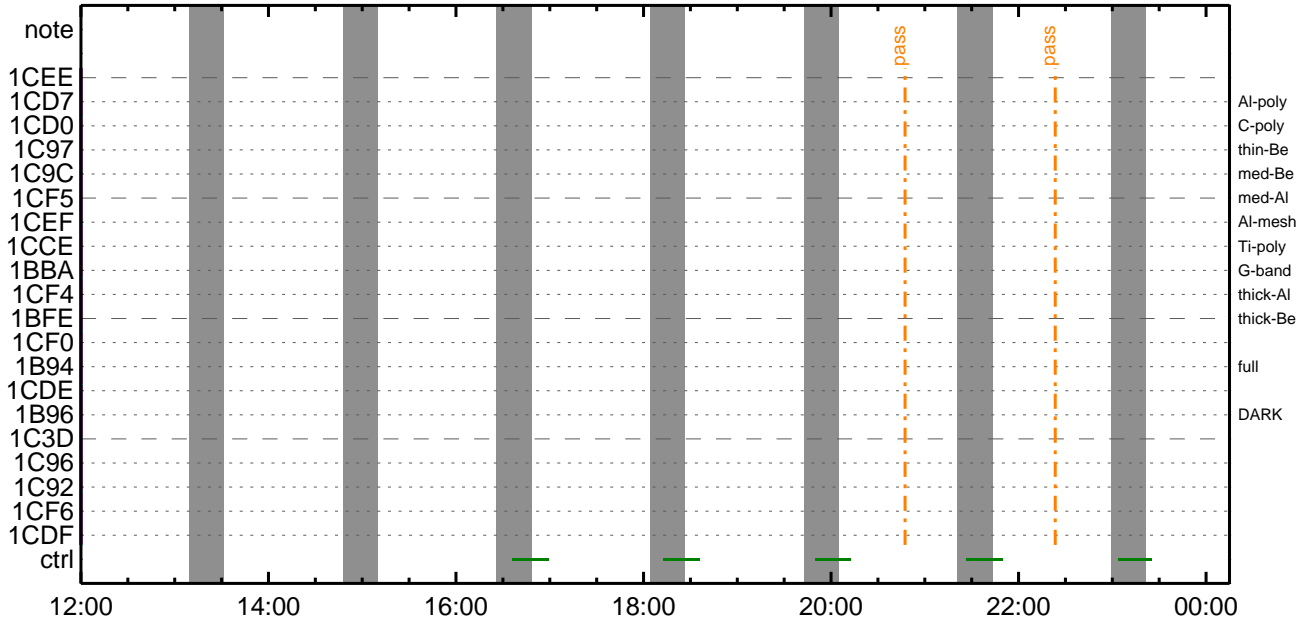
CMDI #0024 2023/04/24



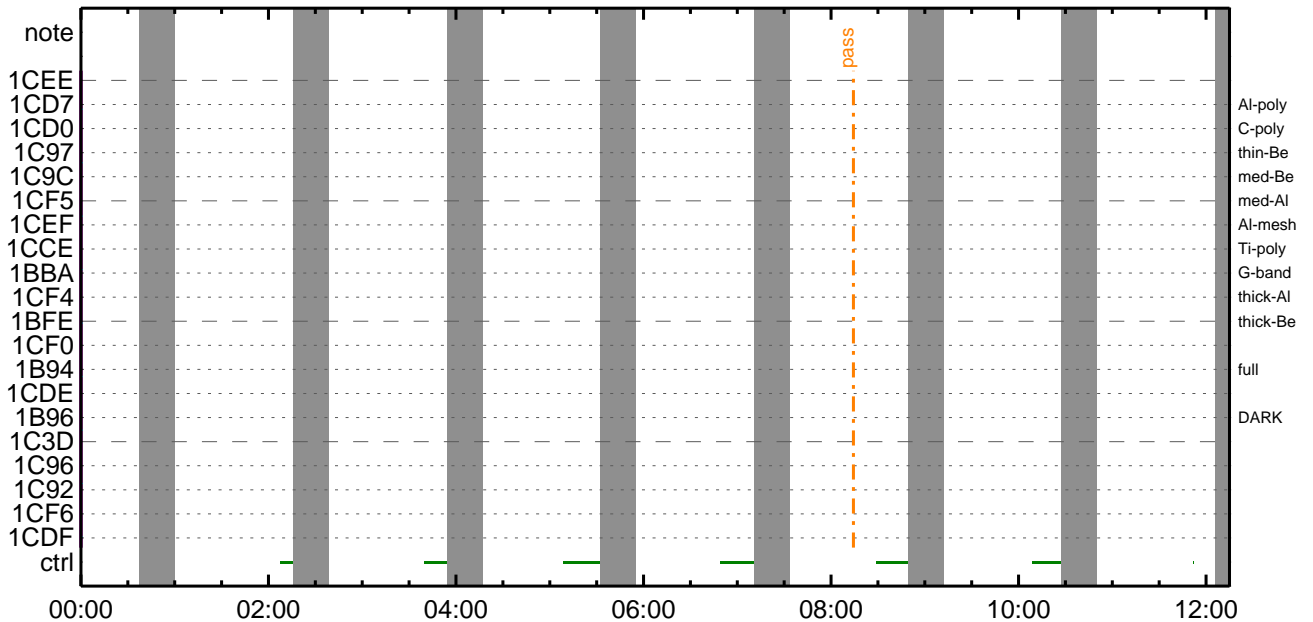
CMDI #0024 2023/04/25



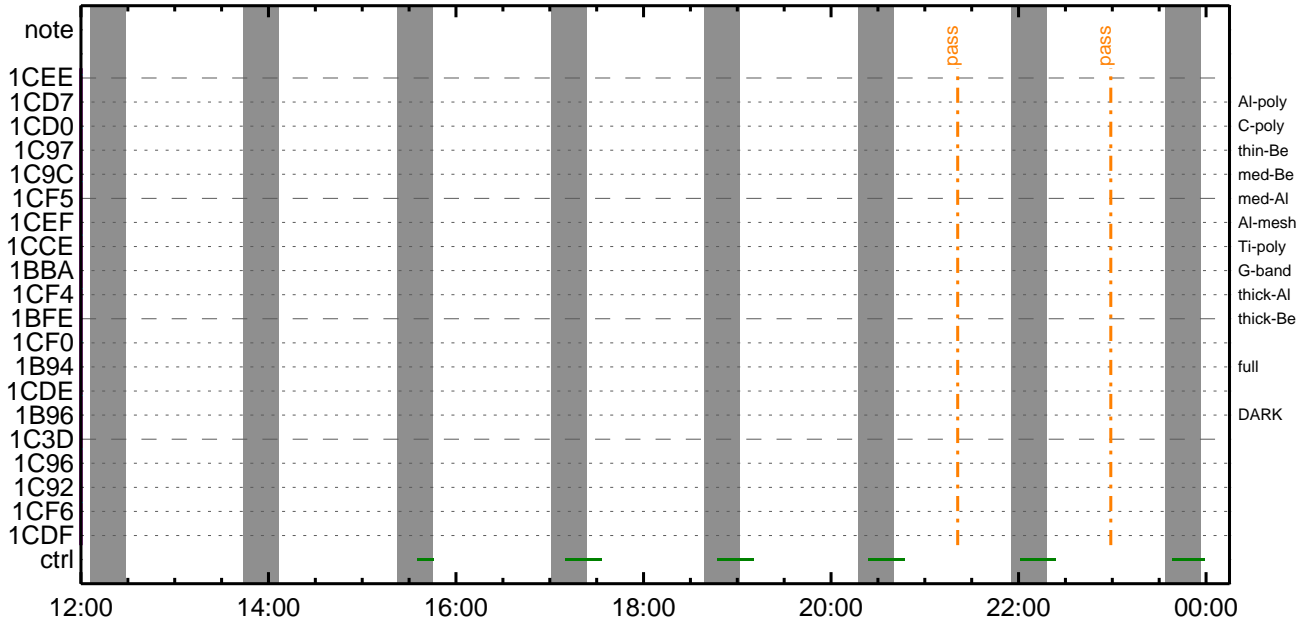
CMDI #0024 2023/04/25



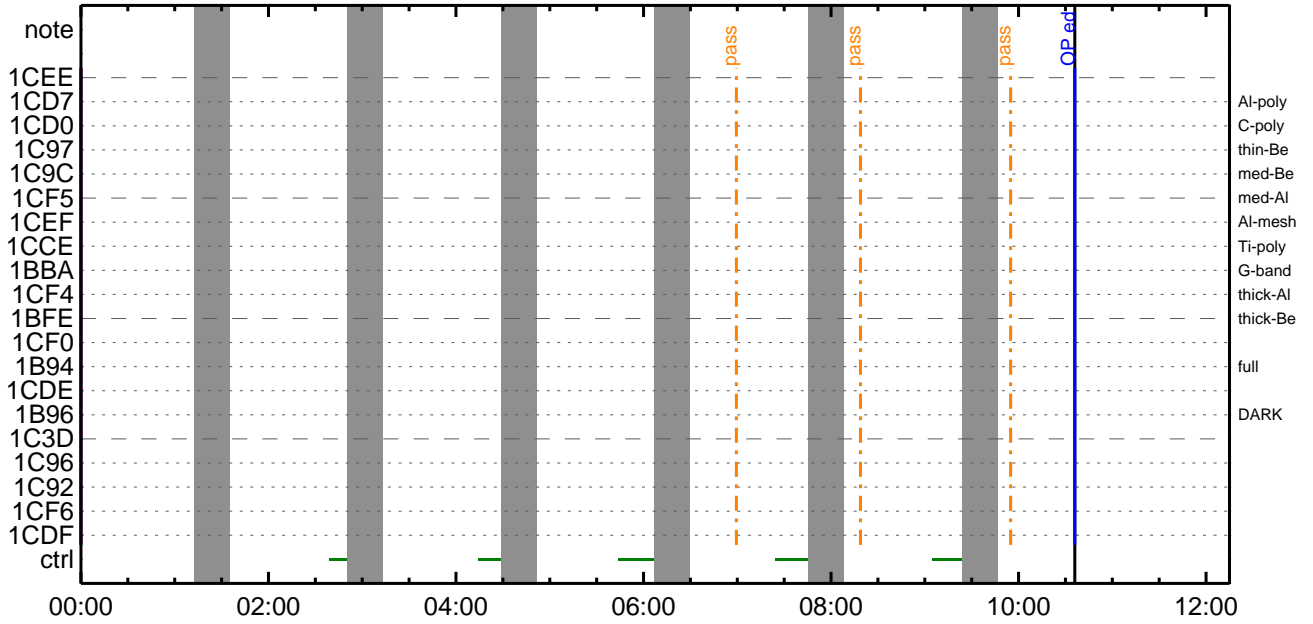
CMDI #0024 2023/04/26



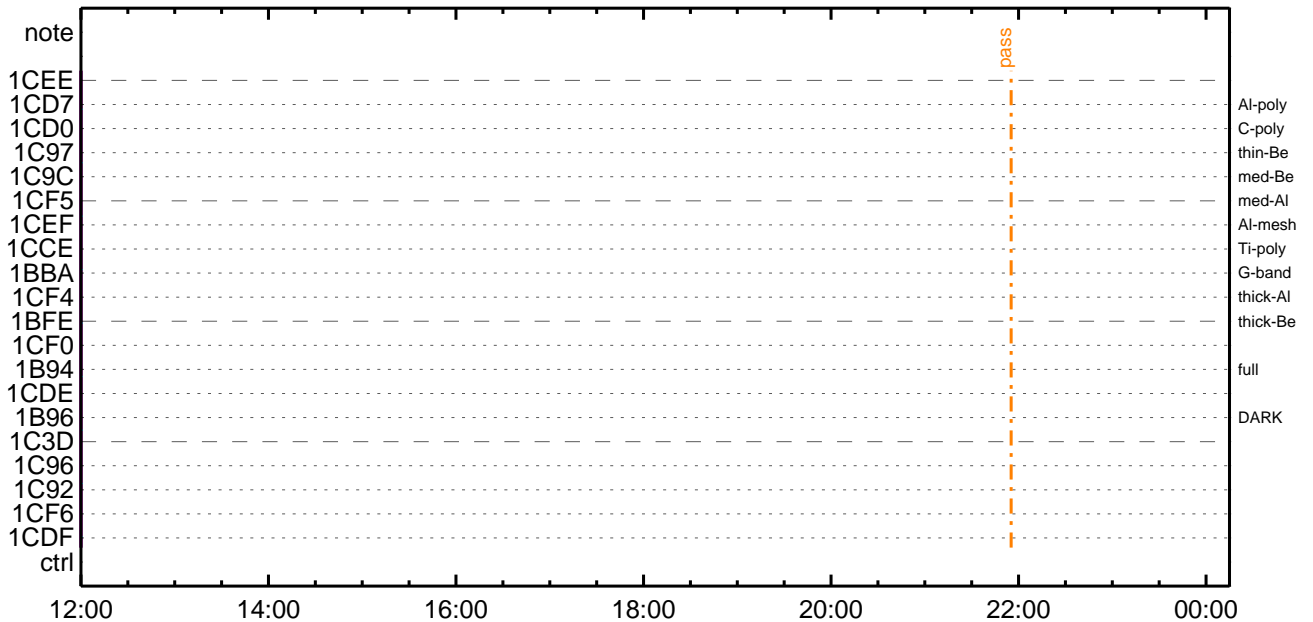
CMDI #0024 2023/04/26



CMDI #0024 2023/04/27



CMDI #0024 2023/04/27




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0096 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0097 C.
0098 C.      TI 2023-04-22 10:53:00.0
0099 +. TI 2023-04-22 10:53:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0102 C.
0103 +. TI 2023-04-22 10:53:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0106 C.
0107 +. TI 2023-04-22 10:53:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0110 C.
0111 +. TI 2023-04-22 10:57:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0114 C.
0115 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0116 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0117 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0118 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0119 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0120 C.
0121 C.      *****
0122 C.      TI 01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
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.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0129 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0130 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0131 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0132 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC      (07 0b f8)
0135 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0136 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0137 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0138 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0139 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0140 C.
0141 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0142 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0143 C.
0144 C.      RAM ID=TI_TBL 01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0145 C.
0146 C.      DHU 01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC      (02 0a f8)
0149 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0150 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0151 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0152 C.      01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;
0153 C.
0154 C.      *****
0155 C.      SOT TI command set
0156 C.      *****
0157 C.      Execute, after the success of OP upload.
0158 +. TI 2023-04-22 10:57:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC      (41)
0161 C.      -----
0162 C.      HK1_TI_CMD_NUM = 1 CNTUP [ ]
0163 C.      -----
0164 C.      ***** SOT END *****
0165 C.
0166 C.      ***** XRT START *****
0167 C.      Execute, after the success of OP upload.
0168 +. TI 2023-04-22 10:57:00.0
0169 DC 07-F0 MDP_XRT_MODE_STBY
0170 BC      (c3)
0171 C.      [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0172 C.
0173 C.      ***** XRT END *****
0174 C.      Stop EIS observation and temporarily disable EIS mode changes
0175 C.
0176 C.
0177 C.      ***** Start EIS operation (TI set) *****
0178 C.      Execute, after the success of OP upload.
0179 C.      Set EIS TI-commands
0180 +. TI 2023-04-22 10:57:30.0
0181 DC 07-FC EIS_MODE_MANU
0182 BC      (21 02)
0183 +. TI 2023-04-22 10:57:40.0
0184 DC 07-FC EIS_MODE_CHG_DIS
0185 BC      (22)
0186 C.      [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0187 C.      ***** End EIS operation (TI set) *****
0188 C.
0189 C.
0190 C.
0191 C.      ***** MDP 01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03; *****
0192 C.      (01-03; SET 01-03 DUMP 01-03; 01-03; 01-03; 01-03;)
0193 S. DC-BC dcbc-402:DCBC

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

(a) Spacecraft Operation Procedure (real-commands)

```
main-807 2023-04-22 11:42:26 169 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁYŞYÁY-¼Á»Û;ã
0005 C.
0006 C. YÀYŞ;¼Y³YÞYÓYÉÁ+ç®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;ËççãÁâ•µ°Æ»Í×ÁÇçÍYçYÁY×YÍ;¼YÉ;ËÈÈ¼µ•ííË;ËãÈ¼°ÇÇã•çç¼í¹ççí;çÀ®, ùã¹ãÈãÞãÇÁ+ç®ã•ãÈããã³ãÈ;ç
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ+ççµ;ON
0016 C. *****
0017 C. ç" °ÆÀ, Í×ËYããLOSãÞãÇçí»Þ´Öãð¹íí, çç; çÉÖÍ×ãÈXÁÓONãí¹ÖãÈãíãÈããã³ãÈ;ç
0018 C.
0019 +. DC 03-B4 TCIA_XPA_ON/HI
0020 M. WAIT_SEC 1
0021 + DC 03-84 TCIA_XMOD_ON
0022 M. WAIT_SEC 1
0023 + DC 03-95 TCIA_XMOD_QPSK
0024 C. çç[HK1_XPA_ON/OFF] EQ ON
0025 C. çç[HK1_XPA_PWR_HI/LO] EQ HI
0026 C. çç[HK1_XMOD_ON/OFF] EQ ON
0027 C. çç[HK1_XMOD_QPSK/PM] EQ QPSK
0028 C.
0029 . C. XYDYÓYÉYÍYÁY-¾ÖÁÖã-°ÁÁÈã•çççç; ç°È²¼ççí°ÆÀ, ¼È¼çççç¼Á¹Öã¹ççç;ç
0030 C.
0031 . C. *****
0032 C. DR PT1 Áí¼í°ÆÀ,
0033 C. *****
0034 C. ç" RESTART;ËPT1;Ëã•çççç¼í¹ççí; ç°È²¼ççí¼Á¹Öã»ã°; çDCBC-150ççççÈççç;ç
0035 C.
0036 . C. ;ãPT1°ÆÀ, ³«»Í;ã
0037 +. DC 01-29 DHU_S/X_VC4_OFF
0038 + DC 06-C8 DR_PT1_REP_SEL
0039 BC (01 00)
0040 + DC 06-B3 DR_REP_START
0041 + DC 01-32 DHU_X_VC4_ON
0042 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0043 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0044 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0045 C.
0046 . C. ;ãYçYÓYÉYÉÁÙÁÖ;ËÁ•Á°²óÈð;Ë, áãí°ÆÀ, °Æ³«;ã
0047 +. DC 06-B3 DR_REP_START
0048 + DC 01-32 DHU_X_VC4_ON
0049 C. çç[HK1_REP_PT_1/2] EQ PT1 (¼Á¹Ö, ;¼Ú)
0050 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0051 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0052 C.
0053 C.
0054 . C. PT1°ÆÀ, ç-¼«Æ°Áá»Þã•çççç; á; ç°È²¼çççç¼Á¹Öã¹ççç;ç
0055 C. YçYÓYÉYÉÁÙÁÖãÁ•Á°²óÈðã-¼áçççç¼í¹ççí°í»ã¹ãÈãÞãÇÁÖãÁ;ç
0056 C.
0057 . C. *****
0058 C. DR PT2 Áí¼í°ÆÀ,
0059 C. *****
0060 C. ç" RESTART;ËPT2;Ëã•çççç¼í¹ççí; ç°È²¼çççç¼Á¹Öã»ã°; çDCBC-151ççççÈççç;ç
0061 C.
0062 . C. ;ãPT2°ÆÀ, ³«»Í;ã
0063 +. DC 01-29 DHU_S/X_VC4_OFF
0064 + DC 06-C8 DR_PT2_REP_SEL
0065 BC (02 00)
0066 + DC 06-B3 DR_REP_START
0067 + DC 01-32 DHU_X_VC4_ON
0068 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0069 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0070 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0071 C.
0072 . C. ;ãYçYÓYÉYÉÁÙÁÖ;ËÁ•Á°²óÈð;Ë, áãí°ÆÀ, °Æ³«;ã
0073 +. DC 06-B3 DR_REP_START
0074 + DC 01-32 DHU_X_VC4_ON
0075 C. çç[HK1_REP_PT_1/2] EQ PT2 (¼Á¹Ö, ;¼Ú)
0076 C. çç[HK1_REP_STA/STP] EQ START (¼Á¹Ö, ;¼Ú)
0077 C. çç[HK1_X_VC4_ON/OFF] EQ ON (¼Á¹Ö, ;¼Ú)
0078 C.
0079 . C. *****
0080 C. DR°ÆÀ, Áá»Þ;çXÁ+ççµ;OFF
0081 C. *****
0082 C.
0083 . C. ;ãDR°ÆÀ, Áá»Þ;ã
0084 +. DC 06-B4 DR_REP_STOP
0085 + DC 01-29 DHU_S/X_VC4_OFF
0086 C. çç[HK1_REP_STA/STP] EQ STOP
0087 C. çç[HK1_S_VC4_ON/OFF] EQ OFF
0088 C. çç[HK1_X_VC4_ON/OFF] EQ OFF
0089 C.
0090 . C. ;ãXÁ+ççµ;OFF;ã
0091 +. DC 03-85 TCIA_XMOD_OFF
0092 M. WAIT_SEC 1
0093 + DC 03-B5 TCIA_XPA_OFF
0094 C. çç[HK1_XMOD_ON/OFF] EQ OFF
0095 C. çç[HK1_XPA_ON/OFF] EQ OFF
```



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0096 C.
0097 C.
0098 . C. *****
0099 C. SOT table upload
0100 C. *****
0101 . C. < Stop SP table >
0102 +. DC 07-F0 MDP_SP_CTRL_MANU
0103 BC (61)
0104 C. -----
0105 C. MDP_SP_CTRL_MODE = MANU [ ]
0106 C. -----
0107 C.
0108 . C. <Upload SP Observation Table>
0109 . S. RAM ram-287:MDP_OBS_S
0110 ( )
0111 C.
0112 . C. < Dump RAMID=MDP_OBS_S >
0113 +. DC 07-F0 MDP_DUMP_SPTBL
0114 BC (83 07 00 00 00 38 b8)
0115 C. -----
0116 C. MDP_OBS_S verify = OK/NG [ ]
0117 C. -----
0118 C.
0119 C. *****
0120 C. SOT TI command set
0121 C. *****
0122 C. Execute, after the success of TBL upload.
0123 +. TI 2023-04-22 10:57:18.0
0124 DC 07-F0 MDP_SOT_MODE_OBSV
0125 BC (40)
0126 . C. -----
0127 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0128 C. -----
0129 C.
0130 C.
0131 C. ***** XRT START *****
0132 C.
0133 +. DC 07-F0 MDP_XRT_CTRL_MANU
0134 BC (c1)
0135 + DC 07-F0 MDP_XRT_MODE_STBY
0136 BC (c3)
0137 . C. ----- Success Verify ? OK / NG____
0138 C.
0139 C. XRT Obs. Table Upload
0140 . S. RAM ram-291:MDP_OBS_X
0141 ( )
0142 C.
0143 +. DC 07-F0 MDP_DUMP_XRTTBL
0144 BC (84 07 00 00 00 3a d4)
0145 . C. ----- Comparison Check ? OK / ERR ____
0146 C.
0147 C.
0148 +. DC 07-F0 MDP_XRT_ROI_SET
0149 BC (cd 01 b1 b1 04 04)
0150 + DC 07-F0 MDP_XRT_ROI_SET
0151 BC (cd 02 b1 b1 08 08)
0152 + DC 07-F0 MDP_XRT_ROI_SET
0153 BC (cd 03 b1 b1 08 08)
0154 + DC 07-F0 MDP_XRT_ROI_SET
0155 BC (cd 04 b1 b1 06 06)
0156 + DC 07-F0 MDP_XRT_ROI_SET
0157 BC (cd 05 85 83 06 06)
0158 + DC 07-F0 MDP_XRT_ROI_SET
0159 BC (cd 06 85 83 06 06)
0160 + DC 07-F0 MDP_XRT_ROI_SET
0161 BC (cd 07 80 80 20 20)
0162 + DC 07-F0 MDP_XRT_ROI_SET
0163 BC (cd 08 80 80 20 08)
0164 + DC 07-F0 MDP_XRT_ROI_SET
0165 BC (cd 09 80 80 08 20)
0166 + DC 07-F0 MDP_XRT_ROI_SET
0167 BC (cd 0a 80 80 08 08)
0168 + DC 07-F0 MDP_XRT_ROI_SET
0169 BC (cd 0f 80 80 06 06)
0170 + DC 07-F0 MDP_XRT_ROI_SET
0171 BC (cd 10 80 80 08 08)
0172 + DC 07-F0 MDP_XRT_FLD_ENA
0173 BC (d8)
0174 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0175 BC (c8)
0176 + DC 07-F0 MDP_XRT_ARS_DIS
0177 BC (d5)
0178 + DC 07-F0 MDP_XRT_AEC_RESET
0179 BC (d0)
0180 + DC 07-F0 MDP_XRT_FLD_RESET
0181 BC (da)
0182 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0183 BC (c4 13)
0184 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0185 BC (c5 04)
0186 . C. ----- Success Verify ? OK / NG ____
0187 C.
0188 C.
0189 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0190 C.
0191 +. DC 07-F0 MDP_XRT_MODE_OBSV
0192 BC (c2)
0193 +. TI 2023-04-22 10:57:02.0

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0194 DC 07-F0 MDP_XRT_MODE_OBSV
0195 BC (c2)
0196 . C. ----- Success Verify ? OK / NG ____
0197 C.
0198 C. ***** XRT END *****
0199 C.
0200 . C. ***** MDP `úÃîñî»ò¼ŷñÊÂĐñ¹ñèDCBC•x²è *****
0201 C. (¼á°îŷÓŷÃŷÈŷŦŷËŷáŷçŷèñÊ¼ñ¼Á»Ûñ¹ñè)
0202 . S. DC-BC dcbc-402:DCBC
0203 (MDP_known_event)
0204 C.
0205 C.
0206 . C. ***** ŷĐŷ¹•İ Daily±¿İÑñÊ´Øñ¹ñèDCBC•x²è *****
0207 . S. DC-BC dcbc-153:DCBC
0208 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0209 C.
0210 C.
0211 . C. ;ãLOSŷÁŷŦŷËŷ¹¼Á»Ûñ¹ñè
0212 C.
0213 . C. ***** LOS *****
0214 C.
```

*** OP Sequence for XRT ***

2023/04/22	11:07:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:07:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:07:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	11:07:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/22	11:07:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:07:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:07:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2023/04/22	11:08:00.0	AOCS_ORe-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	03 03 74 01 db				
2023/04/22	11:08:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2023/04/22	11:08:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2023/04/22	11:08:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2023/04/22	11:08:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2023/04/22	11:08:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	11:10:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/22	11:10:56.0	XRT_QT_PROG_SET_439_OG [0x1b7]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0c				
2023/04/22	11:10:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2023/04/22	11:20:00.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	11:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/22	11:26:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:26:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	11:26:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	11:26:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/22	11:29:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/22	11:46:30.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	11:47:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/22	13:04:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	13:04:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	13:04:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	13:04:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/22	13:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/22	13:24:30.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	13:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/22	14:42:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	14:42:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	14:42:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	14:42:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/22	14:45:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/22	15:03:00.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	15:04:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/22	16:21:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	16:21:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	16:21:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/22	16:21:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/22	16:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/22	16:53:00.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	16:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/22	17:41:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/22	17:41:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

2023/04/22	17:41:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2023/04/22	17:42:00.0	AOCs_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2023/04/22	17:42:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2023/04/22	17:42:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2023/04/22	17:42:22.0	XRT_ARS_DIS_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2023/04/22	17:44:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09		
2023/04/22	17:45:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/22	17:51:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	17:51:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	17:51:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2023/04/22	17:52:00.0	AOCs_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	03	74	01
2023/04/22	17:52:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2023/04/22	17:52:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2023/04/22	17:52:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2023/04/22	17:52:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2023/04/22	17:52:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/04/22	17:54:56.0	XRT_QT_PROG_SET_439_OG [0x1b7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0c		
2023/04/22	17:54:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04		
2023/04/22	17:55:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/22	17:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	17:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	17:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/04/22	17:59:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/04/22	18:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/04/22	18:29:31.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	18:30:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/22	19:37:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	19:37:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	19:37:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/04/22	19:37:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/04/22	19:40:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/04/22	20:06:31.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	20:07:31.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/22	21:15:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	21:15:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	21:15:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/04/22	21:15:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/04/22	21:18:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/04/22	21:43:30.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	21:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/22	22:54:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	22:54:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/22	22:54:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2023/04/22	22:54:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2023/04/22	22:57:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2023/04/22	23:19:30.0	XRT_Custom_430_OG [0x1ae]							
2023/04/22	23:20:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2023/04/23	00:32:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2023/04/23	00:32:32.0	XRT_CTRL_MANU_402_OG [0x192]							

2023/04/23	00:32:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
			MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/23	00:32:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/23	00:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/23	00:53:00.0	XRT_Custom_430_OG [0x1ae]								
2023/04/23	00:54:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/23	02:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	02:02:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	02:02:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/23	02:02:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/23	02:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/23	02:31:30.0	XRT_Custom_430_OG [0x1ae]								
2023/04/23	02:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/23	03:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	03:33:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	03:33:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/23	03:33:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/23	03:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/23	03:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	03:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	03:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2023/04/23	04:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00				
2023/04/23	04:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8				
2023/04/23	04:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2023/04/23	04:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0				
2023/04/23	04:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2023/04/23	04:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/23	04:02:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 12				
2023/04/23	04:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 04				
2023/04/23	04:10:00.0	XRT_Custom_430_OG [0x1ae]								
2023/04/23	04:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/23	05:02:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	05:02:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	05:02:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da				
2023/04/23	05:02:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2023/04/23	05:05:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2023/04/23	05:48:00.0	XRT_Custom_430_OG [0x1ae]								
2023/04/23	05:49:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/23	05:59:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	05:59:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	05:59:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2023/04/23	05:59:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9				
2023/04/23	05:59:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2023/04/23	05:59:52.0	XRT_ARS_DIS_401_OG [0x191]	MDP_XRT_ARS_DIS	1	07-F0	d5				
2023/04/23	06:02:28.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 09				
2023/04/23	06:02:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2023/04/23	06:09:30.0	AOCS_ORe-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	04 03 74 01 db				
2023/04/23	06:10:30.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1				
2023/04/23	06:11:30.0	XRT_TCIB_XRT_S_HTR_A_ENA_425_OG [0x1a9]	TCIB_XRT_S_HTR_A_ENA	0	04-BC					

Apr 22, 23 11:42

XRT_OGLIST_0024.chk

Page 4/4

2023/04/23	18:09:30.0	AOCS_ORe-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	01	00	00	00	00
2023/04/24	06:23:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2023/04/24	06:33:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	03	74	01	db
2023/04/24	21:56:00.0	AOCS_ORe-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00	55	3f	01	db
2023/04/25	02:00:00.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	03	74	01	db
2023/04/25	05:46:30.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00
2023/04/25	05:56:30.0	AOCS_ORe-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	03	03	74	01	db
2023/04/25	11:14:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00	00