

# XRT Timeline to be uploaded on 2022/04/09

Period: 2022/04/09 11:26:00 - 2022/04/14 11:42:00

\* \* \* \* \*

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
04/09 11:39:00 - 04/09 17:59:54	Track ( 1.9, -296.0) @ 04/09 11:36:00	# AR12985
04/09 18:13:00 - 04/10 01:59:54	Track ( 56.2, -296.4) @ 04/09 18:10:00	# AR12985
<b>PROG= 07 Inf.-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 92 1-time(s) 2.0sec</b>		
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
<b>Subr= 2 5-time(s) 2.0sec</b>		
<b>Seqn= 47 1-time(s) 2.0sec</b>		
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
<b>Seqn= 96 4-time(s) 120.0sec</b>		
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 #1C9C: Synoptic 7 Filter w/ Al-mesh(12/181/1024), Al-poly(24/362/4096), Thin-Be(181/2048/11571) - Thick-Be(65536), Al-poly+Ti-poly(128/2048), Med-Al**

Term	Pointing (x, y)	Comment
04/09 18:03:00 - 04/09 18:09:54	Fixed ( 0.0, 0.0) synoptic	
<b>PROG= 20 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 5 1-time(s) 2.0sec</b>		
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
<b>Seqn= 25 1-time(s) 2.0sec</b>		
Open/Al-mesh	Open/Al-mesh close Safe Norm 12ms 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 1.00s Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
<b>Seqn= 9 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/Open close Safe Norm 24ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
Al-poly/Open	Al-poly/Open close Safe Norm 354ms 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
<b>Seqn= 53 1-time(s) 2.0sec</b>		
thin-Be/Open	thin-Be/Open close Safe Norm 177ms Obs 2x2 2048x2048 (1024, 1024)	Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open close Safe Norm 2.00s 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
<b>Seqn= 23 1-time(s) 4.0sec</b>		
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
<b>Subr= 2 1-time(s) 2.0sec</b>		
<b>Seqn= 46 1-time(s) 2.0sec</b>		
Open/thick-Be	Open/thick-Be close Safe Norm 64.0s Obs 2x2 2048x2048 (1024, 1024)	Q=98 0 0 2.0sec
<b>Seqn= 2 1-time(s) 2.0sec</b>		
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
<b>Seqn= 7 1-time(s) 2.0sec</b>		
Al-poly/Ti-poly	Al-poly/thick-Al close Safe Norm 125ms 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
04/10 02:03:00 - 04/10 06:10:54	Fixed ( 0.0, 0.0) HOP349	
<b>PROG= 01 Inf.-time(s)</b>		
<b>Subr= 1 1-time(s) 300.0sec</b>		
<b>Seqn= 55 1-time(s) 2.0sec</b>		
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
<b>Seqn= 15 1-time(s) 2.0sec</b>		

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
<b>Seqn= 79 1-time(s) 2.0sec</b>												
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
<b>Seqn= 30 1-time(s) 2.0sec</b>												
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
<b>Subr= 2 20-time(s) 900.0sec</b>												
<b>Seqn= 8 1-time(s) 2.0sec</b>												
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
<b>Seqn= 74 1-time(s) 2.0sec</b>												
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
<b>Seqn= 6 1-time(s) 2.0sec</b>												
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
<b>Seqn= 29 1-time(s) 2.0sec</b>												
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0	2.0sec
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

**XOB #1CC7: Synoptic Q95 2x2 - Al/mesh(2/128/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(12/181/1443) + Thi**

Term	Pointing (x, y)	Comment
04/10 06:14:00 - 04/10 06:24:00	Fixed ( 0.0, 0.0)	synoptic, shifted 11.0 min
<b>PROG= 17 1-time(s)</b>		
<b>Subr= 1 1-time(s) 2.0sec</b>		
<b>Seqn= 5 1-time(s) 2.0sec</b>		
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
<b>Seqn= 55 1-time(s) 2.0sec</b>		
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
<b>Seqn= 15 1-time(s) 2.0sec</b>		
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
<b>Seqn= 79 1-time(s) 2.0sec</b>		
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
<b>Seqn= 23 1-time(s) 2.0sec</b>		
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

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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) + GB**

Term	Pointing (x, y)	Comment
04/09 11:39:00 - 04/09 17:59:54	Track ( 1.9, -296.0) @ 04/09 11:36:00	# AR12985
04/09 18:13:00 - 04/10 01:59:54	Track ( 56.2, -296.4) @ 04/09 18:10:00	# AR12985
04/10 02:03:00 - 04/10 06:10:54	Fixed ( 0.0, 0.0)	HOP349
<b>PROG= 04 30-time(s)</b>		
<b>Subr= 1 20-time(s) 2.0sec</b>		
<b>Seqn= 11 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/thick-Al	close Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec
<b>Seqn= 73 1-time(s) 10.0sec</b>		
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
<b>Subr= 2 1-time(s) 2.0sec</b>		
<b>Seqn= 10 1-time(s) 2.0sec</b>		
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
<b>Seqn= 11 1-time(s) 2.0sec</b>		
Al-poly/Open	Al-poly/thick-Al	close Safe Norm 125ms Obs 2x2 512x512 (1024, 1024) Q=95 2 0 2.0sec
<b>Seqn= 87 1-time(s) 2.0sec</b>		
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

L	Open/thick-AI	Open/thick-AI	close	Safe	Dark	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=98	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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### Active Region Search

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NOT USED

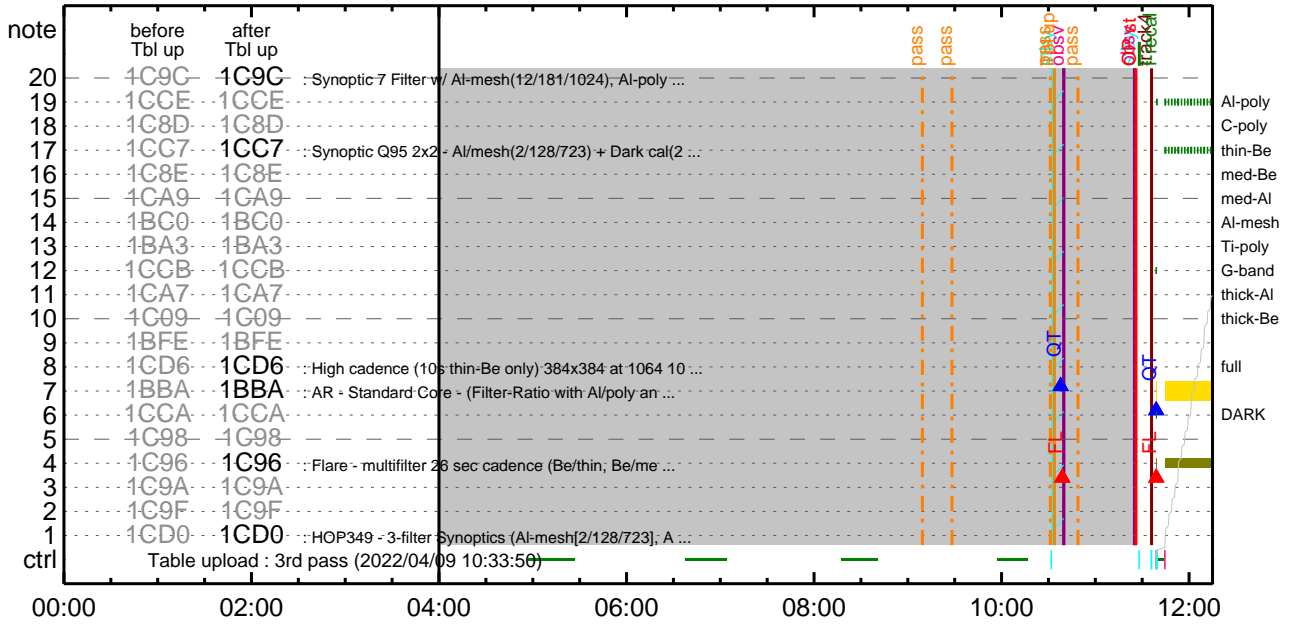
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### Flare Detection

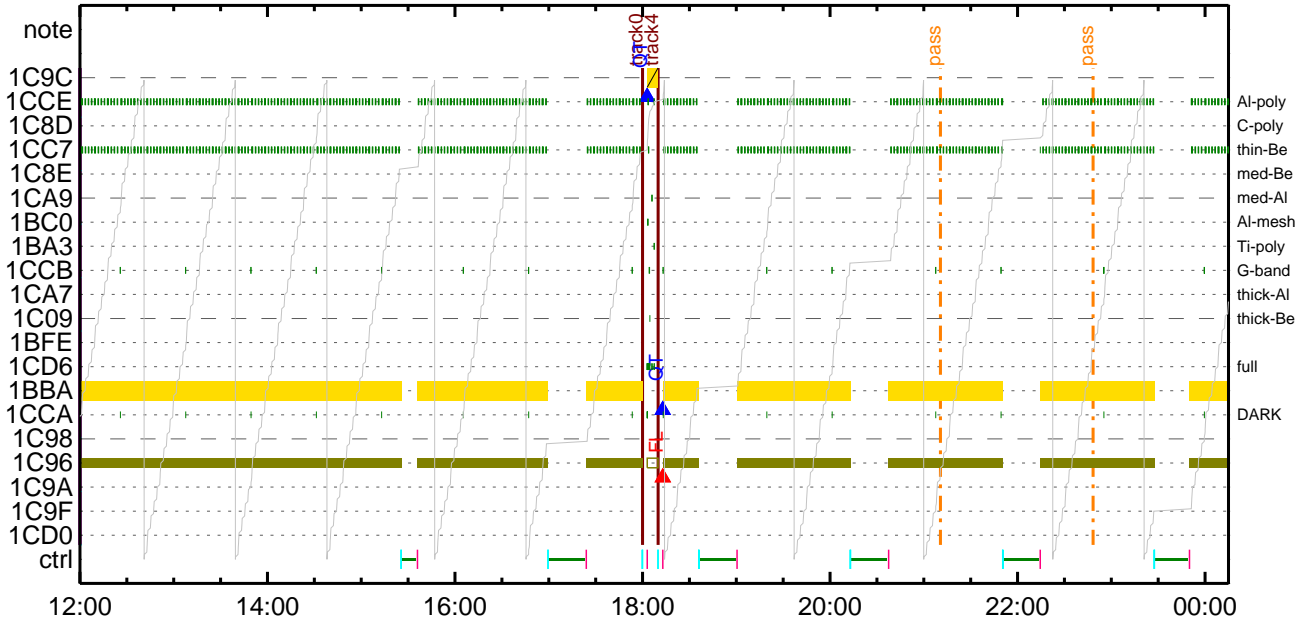
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FLD Patrol												
Term	Pointing (x, y)								Comment			
04/09 10:34:50 - 04/09 18:00:18	cannot be identified											
04/09 18:10:18 - 04/10 06:11:16	Track ( 56.2, -296.4) @ 04/09 18:10:00 # AR12985											
Al-poly/Open	Al-poly/Open	close	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	

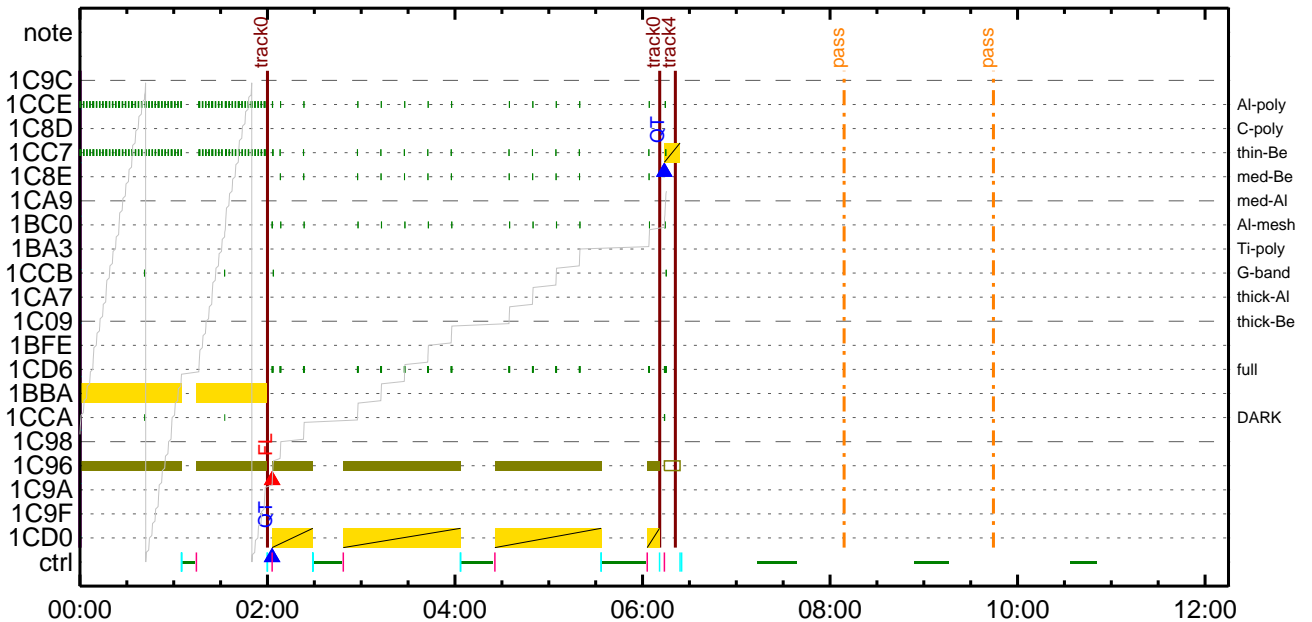
CMDI #0252 2022/04/09



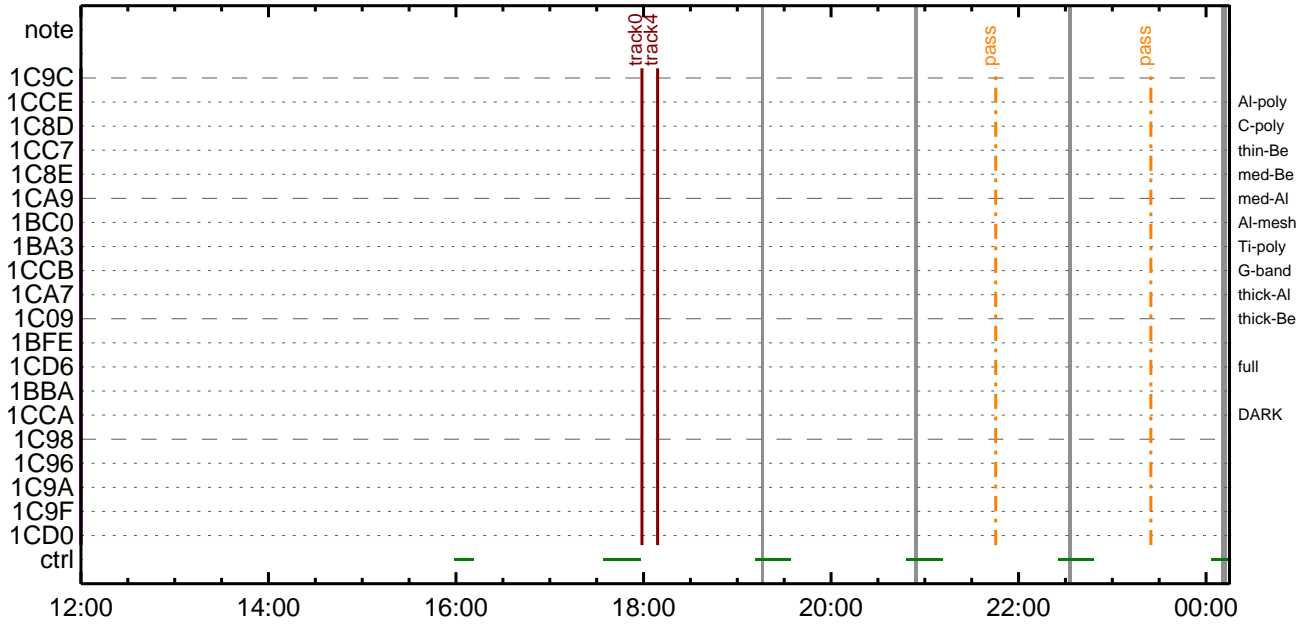
CMDI #0252 2022/04/09



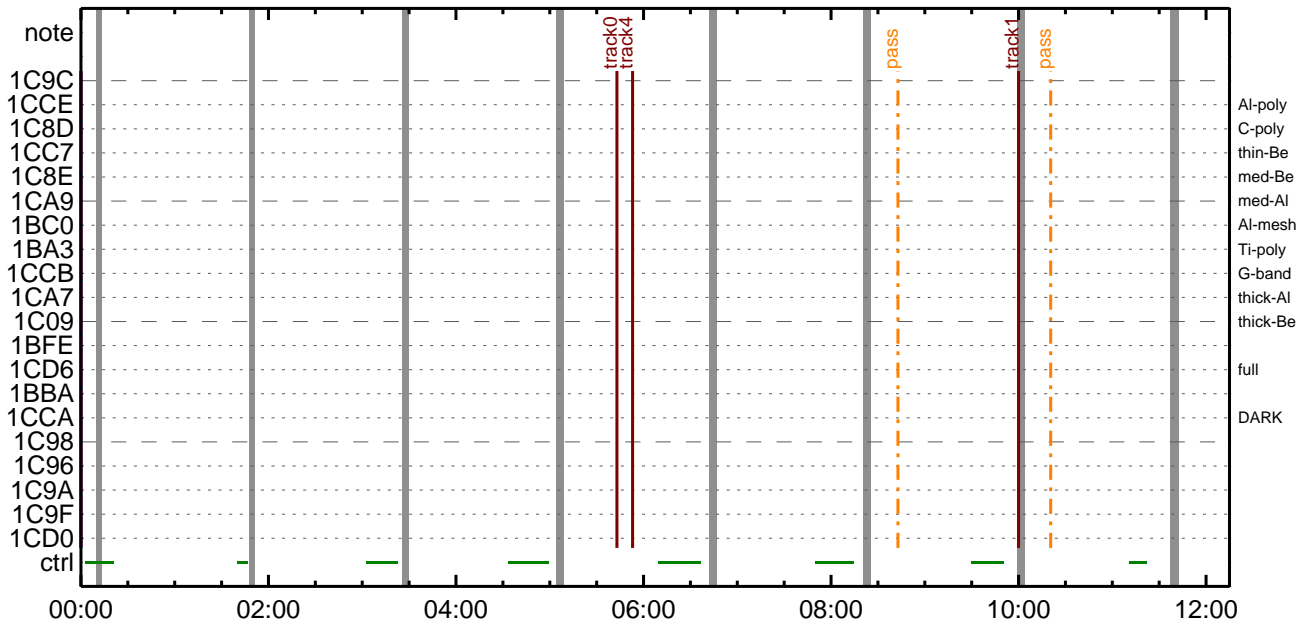
CMDI #0252 2022/04/10



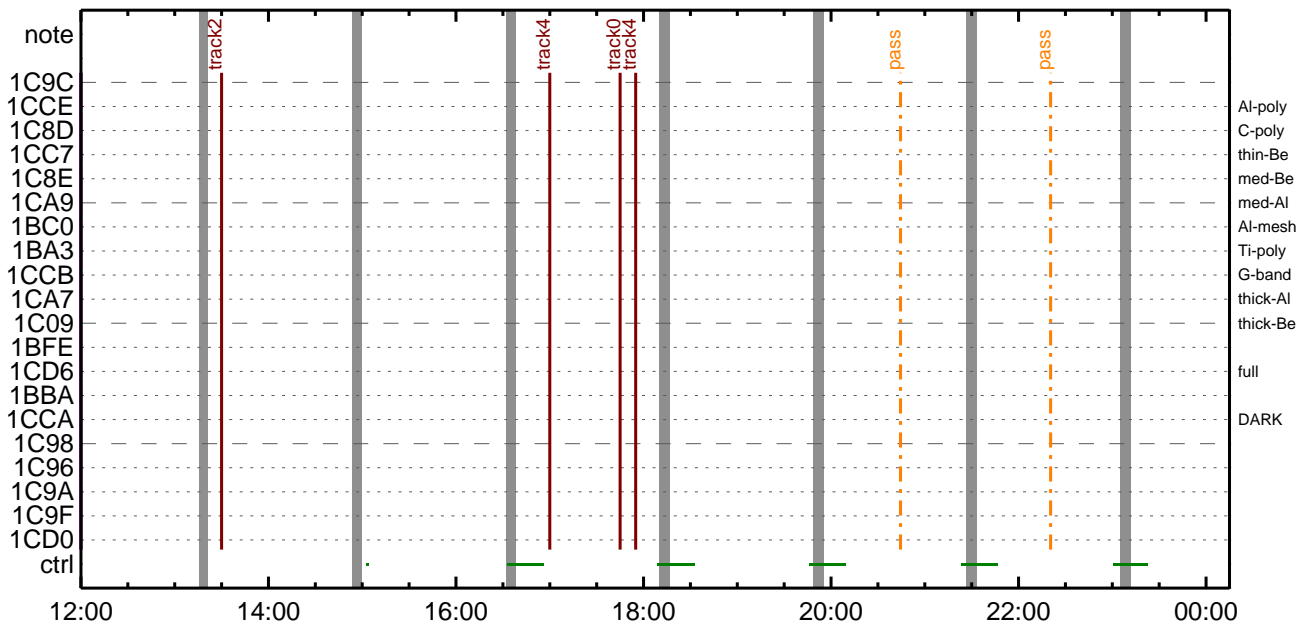
CMDI #0252 2022/04/10



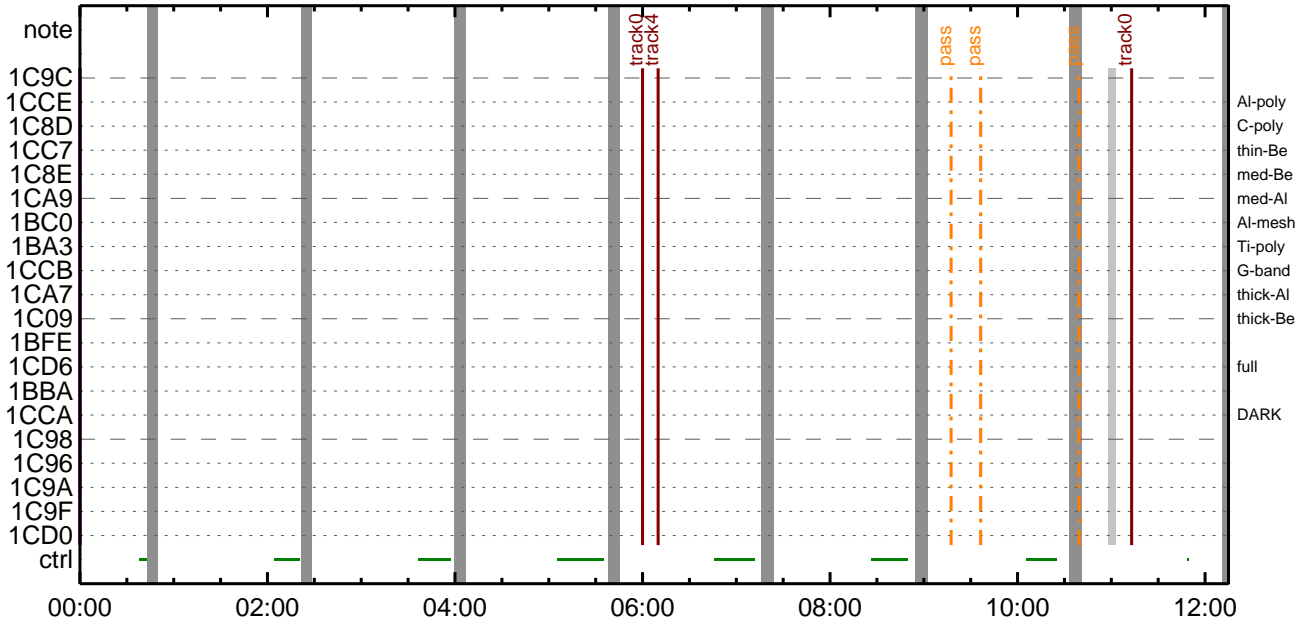
CMDI #0252 2022/04/11



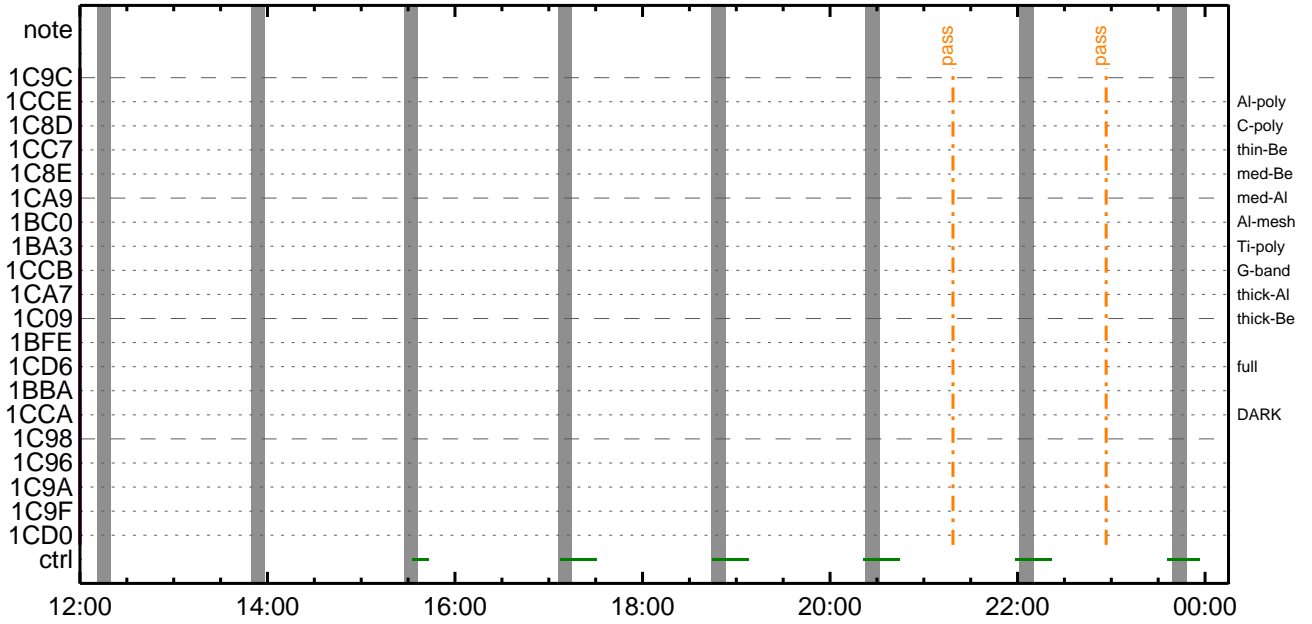
CMDI #0252 2022/04/11



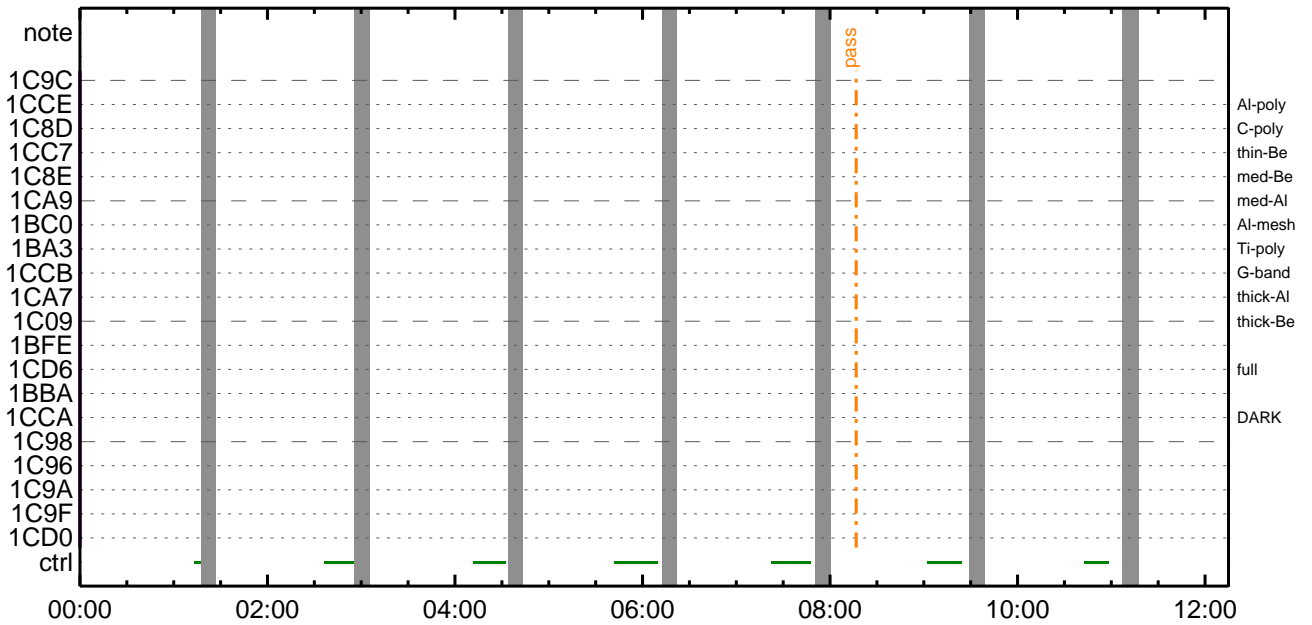
CMDI #0252 2022/04/12



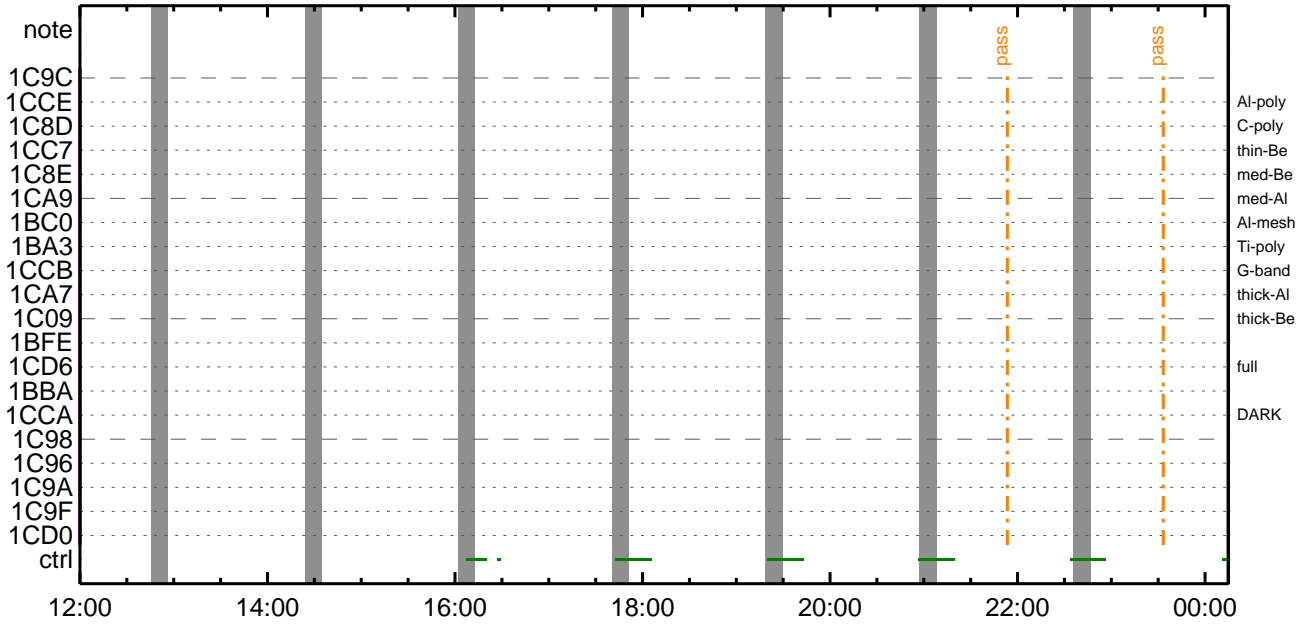
CMDI #0252 2022/04/12



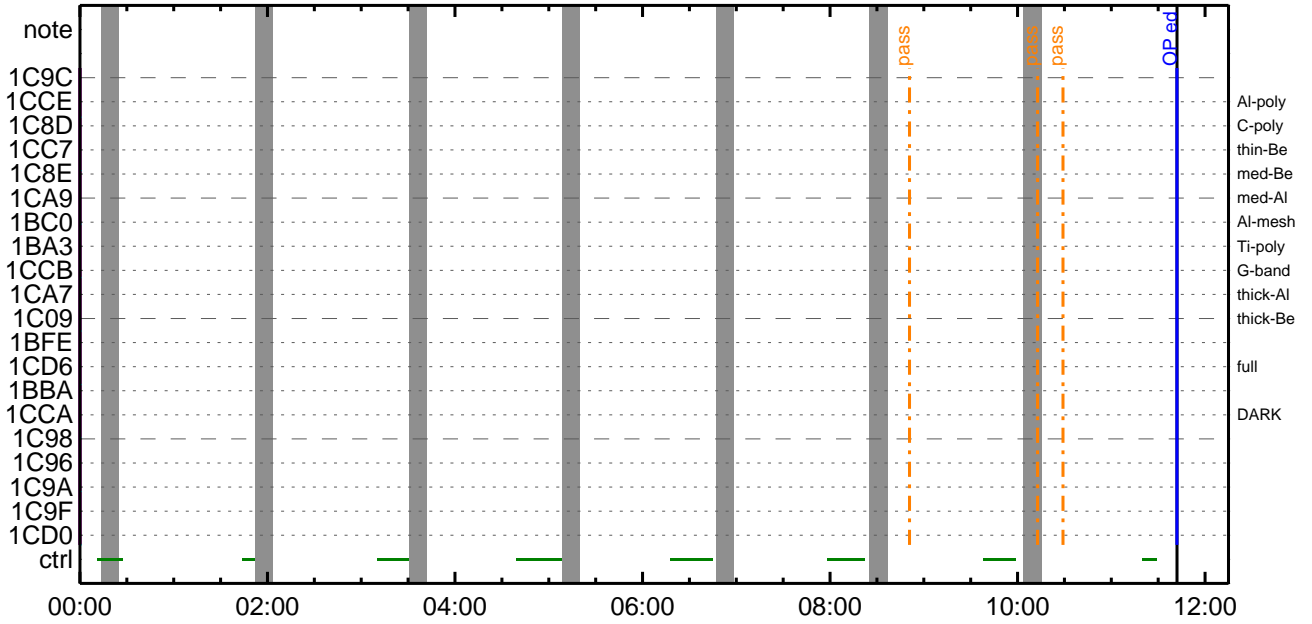
CMDI #0252 2022/04/13



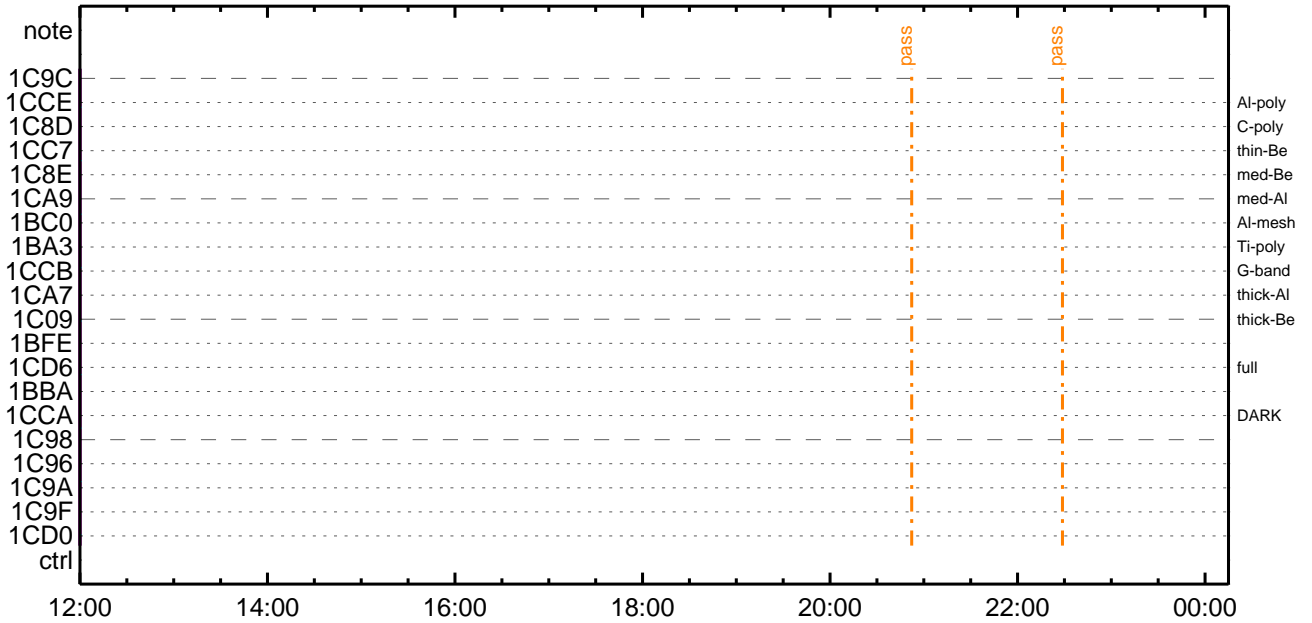
CMDI #0252 2022/04/13



CMDI #0252 2022/04/14



CMDI #0252 2022/04/14







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0096 C.
0097 C.
0098 C. *****
0099 C. OP/OGY1;4YE;ã
0100 C. *****
0101 C.
0102 C. ;ãOP/OGY1;4YE;ã
0103 S. OP op-106:OP
0104 ( )
0105 S. OG og-106:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPfî°è¥ÅYôYx;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. ¥ÅYôYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼Ë¹ç•è²îOK²³îÇ§
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. ¥ÅYôYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼Ë¹ç•è²îOK²³îÇ§
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. ¥ÅYôYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG,RAM ID=OP²î¼Ë¹ç•è²îOK²³îÇ§
0165 C.
0166 C. ***** °Ê²¼²î¼Ë¹ç•è²îOK²³îÇ§ *****
0167 C. DHU¥â;½YË;Ë½Y½;¥î;½YË;Ëòîã¹
0168 +. DC 01-22 DHU_MODE_CHNG
0169 BC (02 0a f8)
0170 C. çç[HK1_PKT_FORM_NO] EQ 2
0171 C. çç[HK1_PKT_GEN_TIME] EQ 0.5S
0172 C. çç[HK1_S_TLM_BIT_RATE] EQ 32K
0173 C. çç[HK1_X_TLM_BIT_RATE] EQ 4M
0174 C.
0175 C. *****
0176 C. TI-CMD SET (OPOG STOP/COPY/START)
0177 C. *****
0178 C.
0179 C. NOTICE ;§ OPOG UPLOAD²-Á÷¿@NG²î¼Ë¹ç;ç°Ê²¼²î¼Ë¹ç•è²îOK²³îÇ§;f
0180 C. ²³²¼;çSET²EDUMPA²Ë±²î¼Ë¹ç²³²¼;f
0181 C.
0182 C. TIY³Y½YôYË²òðÁDî¿(UT)
0183 +. TI 2022-04-09 11:21:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2022-04-09 11:21:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2022-04-09 11:21:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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0194 C.
0195 +. TI 2022-04-09 11:25:59.5
0196 DC 01-B2 DHU_OP_START
0197 C.          çç[HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0198 C.
0199 C. °Ê²¼αİÄë%İİñαİŷÄŷ§ŷÄŷ-¹àİŭ
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. TIİİ°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×½ªİ»αò³İÇ§
0226 C.          çç[HK1_DMP_CHK_FLG]                       EQ      NON
0227 C.
0228 C. RAM ID=TI_TBLαİŷÈ¹ç•è²İOKαò³İÇ§
0229 C.
0230 C. DHUŷâ;¼ŷÈ;È¼ŷ¼. ŷİ;¼ŷÈ;Èαòİāα¹
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. *****
0239 C. SOT TI command set
0240 C. *****
0241 C. Execute, after the success of OP upload.
0242 +. TI 2022-04-09 11:25:16.0
0243 DC 07-F0 MDP_SOT_MODE_STBY
0244 BC      (41)
0245 C. -----
0246 C. HK1_TI_CMD_NUM          = 1 CNTUP [ ]
0247 C. -----
0248 C. ***** SOT END *****
0249 C. Stop EIS observation and temporarily disable EIS mode changes
0250 C.
0251 C.
0252 C. ***** Start EIS operation (TI set) *****
0253 C. Execute, after the success of OP upload.
0254 C. Set EIS TI-commands
0255 +. TI 2022-04-09 11:25:30.0
0256 DC 07-FC EIS_MODE_MANU
0257 BC      (21 02)
0258 +. TI 2022-04-09 11:25:40.0
0259 DC 07-FC EIS_MODE_CHG_DIS
0260 BC      (22)
0261 C.          [ ] [HK1_TI_CMD_NUM]                      EQ      2 COUNTUP
0262 C. ***** End EIS operation (TI set) *****
0263 C.
0264 C.
0265 C.
0266 C. ***** XRT START *****
0267 C. Execute, after the success of OP upload.
0268 +. TI 2022-04-09 11:25:00.0
0269 DC 07-F0 MDP_XRT_MODE_STBY
0270 BC      (c3)
0271 C.          [ ] [HK1_TI_CMD_NUM]                      EQ      1COUNTUP
0272 C.
0273 C. ***** XRT END *****
0274 C. ===== Begin of AOCs CMD Sequence =====
0275 C.
0276 C. *****
0277 C. ***** GASŷÇ;¼ŷ¼;èÈÀ¼Ä»Ū *****
0278 C. *****
0279 C.
0280 C. *****
0281 C. MDRV OFF
0282 C. *****
0283 C.
0284 C. ***** GASŷâŷÈŷ;αİñαçá MTQŷİÈ°°İ»pÄä»ß *****
0285 +. DC 02-33 AOCU_MDRV-X_OFF
0286 +. DC 02-34 AOCU_MDRV-Y_OFF
0287 +. DC 02-35 AOCU_MDRV-Z_OFF
0288 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> X = OFF ?
0289 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = OFF ?
0290 C.          [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = OFF ?
0291 C.

```

```

0292 . C.
0293 . C. ;úŸÇ;¼Ÿç¼èÆÀñîσ;ρá;çîó1minÂÔμ;
0294 . C.
0295 . C. *****
0296 . C. MDRV ON
0297 . C. *****
0298 . C.
0299 . C. ***** MTQ¶îÆ°°Æ³« *****
0300 +. DC 02-32 AOCU_MDRV_ON
0301 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> X = ON ?
0302 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Y = ON ?
0303 . C. [ ] <A_AOS> [COMPONENT STS] <MDRV> Z = ON ?
0304 . C.
0305 . C.
0306 . C. ===== End of AOCs CMD Sequence =====
0307 . C.
0308 . C.
0309 . C. ***** MDP `úÃîσî»ð¼ŸρÈÃðσ¹σèDCBC•x²è *****
0310 . C. (¼ã°îŸÓŸÃŸÈŸpŸÈŸáŸçŸèσÈ¼σ¼Ã»Ûσ¹σè)
0311 . S. DC-BC dcbc-402:DCBC
0312 (MDP_known_event)
0313 . C.
0314 . C.
0315 . C. ***** ŸÐŸ¹•İ Daily±çİÑσÈ´Øσ¹σèDCBC•x²è *****
0316 . S. DC-BC dcbc-153:DCBC
0317 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0318 . C.
0319 . C.
0320 . C. ;ãLOSŸÃŸŸŸÃŸ⁻¼Ã»Û;ã
0321 . C.
0322 . C. ***** LOS *****
0323 . C.

```

(a) Spacecraft Operation Procedure (real-commands)

```

main-107 2022-04-09 11:50:55 85 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÄY$YÄY~¼Ä»Û;ã
0005 C.
0006 C. YÄY£;¼Y³YF¥YÉÄ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äí;È¿¿Aß•µ°Æ»Í×ÁÇúÍYÇYÄY×YÍ;¼YÉ;ÈÈ%µ•íÉ;ÈE¼°ÇÖá•á¿¼l¹ÇáI;çÄ®, ùá¹àÈßBÇÄ+¿®á•áÈááá³áÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0015 C. Upload the Orbit Element and the Target Attitude
0016 C. RAM-ID:TARGET_ATT
0017 . S. RAM ram-150:TARGET_ATT
0018 ( )
0019 C.
0020 C.
0021 C. Set the dump memory area of TARGET_ATT
0022 +. DC 02-48 AOCU_DUMP_SET
0023 BC (07 00 00 00 18 00)
0024 C.
0025 C. <A_STs1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0026 C.
0027 C.
0028 C. Change the TLMFormatNo for the AOCs Dump Format
0029 +. DC 01-22 DHU_MODE_CHNG
0030 BC (04 0b f8)
0031 C.
0032 C. Wait for AOCSDUMP to end
0033 C.
0034 . C. Check the dump memory
0035 C.
0036 C. Result = OK [ ]
0037 C.
0038 +. DC 01-22 DHU_MODE_CHNG
0039 BC (02 0a f8)
0040 C.
0041 C. <A_***>[TLM STS] FMT = 2 [ ]
0042 C.
0043 +. DC 02-8E AOCU_ORB_UPD
0044 . C.
0045 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0046 +. DC 07-FC EIS_MODE_CHG_ENA
0047 BC (20)
0048 . C. Verify EIS_MODE_CHG_FLG is ENA
0049 +. DC 07-FC EIS_MODE_MANU
0050 BC (21 02)
0051 . C. Verify EIS in MANUAL mode
0052 . C. Estimated OBSTBL upload time is 10s
0053 C. *****
0054 C. EIS START OBSTBL LOAD
0055 C. *****
0056 . S. RAM ram-820:EIS_OBSTBL
0057 ( )
0058 +. DC 07-FC EIS_DUMP_OBSTBL
0059 BC (07 07 07 00 00 70 00)
0060 C.
0061 C. Execute, after the success of OBSTBL upload.
0062 C. Set EIS TI-commands
0063 +. TI 2022-04-09 11:25:50.0
0064 DC 07-FC EIS_MODE_CHG_ENA
0065 BC (20)
0066 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0067 C. *****
0068 C. EIS END OBSTBL LOAD
0069 C. *****
0070 C.
0071 . C. ***** MDP `ûÄîñî»ó¼YõÈÄß¹áèDCBC•x²è *****
0072 C. (¼á°íYÓYÄYÈYB¥YÉYáYçYè%¼á¼Ä»Ûá¹áè)
0073 . S. DC-BC dcbc-402:DCBC
0074 (MDP_known_event)
0075 C.
0076 C.
0077 . C. ***** YD¥¹•Í Daily±¿íÑáÈ`Øá¹áèDCBC•x²è *****
0078 . S. DC-BC dcbc-153:DCBC
0079 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0080 C.
0081 C.
0082 . C. ;ãLOSYÄY$YÄY~¼Ä»Û;ã
0083 C.
0084 . C. ***** LOS *****
0085 C.

```

(a) Spacecraft Operation Procedure (real-commands)

```
main-108 2022-04-09 11:50:55 164 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;È¿¿ãÁ•µ°È»Í×ÁÇ¿ÍY¿Y×Yí;¼YÉ;ÈÈ¿µ•íÉ;ÈÈ¿°ÇÓã•¿¿¼í¹¿ãÍ;çÁ®, ù¿¹ãÈãÈãÇÁ+¿®ã•¿Èãã³ãÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. SOT table upload
0016 C. *****
0017 . C. < Stop SP table >
0018 +. DC 07-F0 MDP_SP_CTRL_MANU
0019 BC (61)
0020 C. -----
0021 C. MDP_SP_CTRL_MODE = MANU [ ]
0022 C. -----
0023 C.
0024 . C. <Upload SP Observation Table>
0025 . S. RAM ram-286:MDP_OBS_S
0026 ( )
0027 C.
0028 . C. < Dump RAMID=MDP_OBS_S >
0029 +. DC 07-F0 MDP_DUMP_SPTBL
0030 BC (83 07 00 00 00 38 b8)
0031 C. -----
0032 C. MDP_OBS_S verify = OK/NG [ ]
0033 C. -----
0034 C.
0035 C. *****
0036 C. SOT TI command set
0037 C. *****
0038 C. Execute, after the success of TBL upload.
0039 +. TI 2022-04-09 11:25:18.0
0040 DC 07-F0 MDP_SOT_MODE_OBSV
0041 BC (40)
0042 C. -----
0043 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0044 C. -----
0045 C.
0046 C.
0047 C. ***** XRT START *****
0048 C.
0049 +. DC 07-F0 MDP_XRT_CTRL_MANU
0050 BC (c1)
0051 + DC 07-F0 MDP_XRT_MODE_STBY
0052 BC (c3)
0053 . C. ----- Success Verify ? OK / NG____
0054 C.
0055 C. XRT Obs. Table Upload
0056 . S. RAM ram-291:MDP_OBS_X
0057 ( )
0058 C.
0059 +. DC 07-F0 MDP_DUMP_XRTTBL
0060 BC (84 07 00 00 00 3a d4)
0061 . C. ----- Comparison Check ? OK / ERR ____
0062 C.
0063 C.
0064 +. DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 01 b1 b1 04 04)
0066 + DC 07-F0 MDP_XRT_ROI_SET
0067 BC (cd 02 b1 b1 08 08)
0068 + DC 07-F0 MDP_XRT_ROI_SET
0069 BC (cd 03 b1 b1 08 08)
0070 + DC 07-F0 MDP_XRT_ROI_SET
0071 BC (cd 04 b1 b1 06 06)
0072 + DC 07-F0 MDP_XRT_ROI_SET
0073 BC (cd 05 85 83 06 06)
0074 + DC 07-F0 MDP_XRT_ROI_SET
0075 BC (cd 06 85 83 06 06)
0076 + DC 07-F0 MDP_XRT_ROI_SET
0077 BC (cd 07 80 80 20 20)
0078 + DC 07-F0 MDP_XRT_ROI_SET
0079 BC (cd 08 80 80 20 08)
0080 + DC 07-F0 MDP_XRT_ROI_SET
0081 BC (cd 09 80 80 08 20)
0082 + DC 07-F0 MDP_XRT_ROI_SET
0083 BC (cd 0a 80 80 08 08)
0084 + DC 07-F0 MDP_XRT_ROI_SET
0085 BC (cd 0f 80 80 06 06)
0086 + DC 07-F0 MDP_XRT_ROI_SET
0087 BC (cd 10 80 80 08 08)
0088 + DC 07-F0 MDP_XRT_FLD_ENA
0089 BC (d8)
0090 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0091 BC (c8)
0092 + DC 07-F0 MDP_XRT_ARS_DIS
0093 BC (d5)
0094 + DC 07-F0 MDP_XRT_AEC_RESET
0095 BC (d0)
```



\*\*\* OP Sequence for XRT \*\*\*

2022/04/09	11:28:00.0	XRT_CTRL_MANU_407_OG [0x197]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	11:28:10.0	XRT_FOCUS_RECALIBRATE_438_OG [0x1b6]							
		XRT_FOCUS_RECAL	2	07-F8	78	00			
2022/04/09	11:32:10.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2022/04/09	11:35:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	11:35:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	11:35:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2022/04/09	11:36:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	04	00	00	00	00
2022/04/09	11:36:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2022/04/09	11:36:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2022/04/09	11:36:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2022/04/09	11:36:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2022/04/09	11:36:26.0	XRT_FLD_RESET_434_OG [0x1b2]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/04/09	11:38:56.0	XRT_QT_PROG_SET_425_OG [0x1a9]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2022/04/09	11:38:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5	04			
2022/04/09	11:39:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/04/09	11:39:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	11:39:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	11:39:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/04/09	11:39:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2022/04/09	11:42:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2022/04/09	11:43:30.0	XRT_Custom_430_OG [0x1ae]							
2022/04/09	11:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/04/09	15:25:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	15:25:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	15:25:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/04/09	15:25:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2022/04/09	15:28:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2022/04/09	15:35:00.0	XRT_Custom_430_OG [0x1ae]							
2022/04/09	15:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/04/09	16:59:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	16:59:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	16:59:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2022/04/09	16:59:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2022/04/09	17:02:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2022/04/09	17:23:00.0	XRT_Custom_430_OG [0x1ae]							
2022/04/09	17:24:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/04/09	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	17:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00	
2022/04/09	18:00:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00	00	00	00	00
2022/04/09	18:00:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2022/04/09	18:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2022/04/09	18:00:22.0	XRT_ARS_DIS_442_OG [0x1ba]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2022/04/09	18:02:58.0	XRT_QT_PROG_SET_443_OG [0x1bb]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4	14			
2022/04/09	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2022/04/09	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2022/04/09	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				

2022/04/09	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2022/04/09	18:10:00.0	AOCs_OrE-point_Start_1_OG [0x097] AOCU_NM	5	02-76	04 00 00 00 00
2022/04/09	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2022/04/09	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c] MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2022/04/09	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0] MDP_XRT_AEC_RESET	1	07-F0	d0
2022/04/09	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7] MDP_XRT_ARS_DIS	1	07-F0	d5
2022/04/09	18:10:26.0	XRT_FLD_RESET_434_OG [0x1b2] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/09	18:12:56.0	XRT_QT_PROG_SET_425_OG [0x1a9] MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2022/04/09	18:12:58.0	XRT_FL_PROG_SET_418_OG [0x1a2] MDP_XRT_FL_PROG_SET	2	07-F0	c5 04
2022/04/09	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/09	18:36:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	18:36:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	18:36:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/09	18:36:06.0	XRT_PREFLR_STRT_436_OG [0x1b4] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/04/09	18:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/04/09	18:59:30.0	XRT_Custom_430_OG [0x1ae]			
2022/04/09	19:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/09	20:13:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	20:13:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	20:13:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/09	20:13:06.0	XRT_PREFLR_STRT_436_OG [0x1b4] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/04/09	20:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/04/09	20:36:30.0	XRT_Custom_430_OG [0x1ae]			
2022/04/09	20:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/09	21:50:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	21:50:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	21:50:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/09	21:50:36.0	XRT_PREFLR_STRT_436_OG [0x1b4] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/04/09	21:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/04/09	22:13:30.0	XRT_Custom_430_OG [0x1ae]			
2022/04/09	22:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/09	23:27:30.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	23:27:32.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/09	23:27:34.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/09	23:27:36.0	XRT_PREFLR_STRT_436_OG [0x1b4] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/04/09	23:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/04/09	23:49:00.0	XRT_Custom_430_OG [0x1ae]			
2022/04/09	23:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/10	01:05:00.0	XRT_CTRL_MANU_400_OG [0x190] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/10	01:05:02.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/10	01:05:04.0	XRT_FLD_RESET_415_OG [0x19f] MDP_XRT_FLD_RESET	1	07-F0	da
2022/04/10	01:05:06.0	XRT_PREFLR_STRT_436_OG [0x1b4] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2022/04/10	01:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2022/04/10	01:13:30.0	XRT_Custom_430_OG [0x1ae]			
2022/04/10	01:14:30.0	XRT_CTRL_AUTO_424_OG [0x1a8] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2022/04/10	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/10	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192] MDP_XRT_CTRL_MANU	1	07-F0	c1
2022/04/10	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196] XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2022/04/10	02:00:00.0	AOCs_OrE-point_Start_2_OG [0x098] AOCU_NM	5	02-76	00 00 00 00 00



2022/04/10	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2022/04/10	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2022/04/10	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2022/04/10	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2022/04/10	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da			
2022/04/10	02:02:56.0	XRT_QT_PROG_SET_428_OG [0x1ac]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	01		
2022/04/10	02:02:58.0	XRT_FL_PROG_SET_418_OG [0x1a2]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	04		
2022/04/10	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2022/04/10	02:29:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	02:29:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	02:29:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2022/04/10	02:29:06.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2022/04/10	02:32:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2022/04/10	02:47:30.0	XRT_Custom_430_OG [0x1ae]							
2022/04/10	02:48:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2022/04/10	04:03:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	04:03:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	04:03:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2022/04/10	04:03:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2022/04/10	04:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2022/04/10	04:24:30.0	XRT_Custom_430_OG [0x1ae]							
2022/04/10	04:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2022/04/10	05:33:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	05:33:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	05:33:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da			
2022/04/10	05:33:36.0	XRT_PREFLR_STRT_436_OG [0x1b4]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2022/04/10	05:36:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2022/04/10	06:02:00.0	XRT_Custom_430_OG [0x1ae]							
2022/04/10	06:03:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2022/04/10	06:10:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	06:10:56.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2022/04/10	06:11:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2022/04/10	06:11:16.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2022/04/10	06:11:18.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2022/04/10	06:11:20.0	XRT_ARS_DIS_440_OG [0x1b8]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2022/04/10	06:13:58.0	XRT_QT_PROG_SET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	11		
2022/04/10	06:14:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2022/04/10	06:21:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00
2022/04/10	06:24:00.5	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	06:25:01.0	XRT_CTRL_MANU_417_OG [0x1a1]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2022/04/10	06:25:31.0	XRT_TCIB_XRT_S_HTR_A_ENA_422_OG [0x1a6]	TCIB_XRT_S_HTR_A_ENA	0	04-BC				
2022/04/10	17:59:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2022/04/10	18:09:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00
2022/04/11	05:43:00.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00	00	00	00
2022/04/11	05:53:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00
2022/04/11	10:00:00.0	AOCS_Ore-point_Start_3_OG [0x099]	AOCU_NM	5	02-76	01	00	00	00
2022/04/11	13:30:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	02	00	00	00
2022/04/11	17:00:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	04	00	00	00

2022/04/11	17:45:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5 02-76 00 00 00 00 00
2022/04/11	17:55:00.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5 02-76 04 00 00 00 00
2022/04/12	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5 02-76 00 00 00 00 00
2022/04/12	06:10:00.0	AOCS_ORe-point_Start_1_OG [0x097] AOCU_NM	5 02-76 04 00 00 00 00
2022/04/12	11:13:00.0	AOCS_ORe-point_Start_2_OG [0x098] AOCU_NM	5 02-76 00 00 00 00 00