

Period: 2020/03/05 10:39:00 - 2020/03/10 10:08:00

PROG= 04 Inf.-time(s)

Subr= 1 1-time(s) 300.0sec												
Seqn= 12 1-time(s) 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	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0 2.0sec
Seqn= 82 1-time(s) 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
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0 2.0sec
Seqn= 52 1-time(s) 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
	thin-Be/Open	thin-Be/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0 2.0sec
Seqn= 81 1-time(s) 2.0sec												
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=90	0	0 2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	512x512 (1064, 1048)	Q=95	0	0 2.0sec
Subr= 2 9-time(s) 300.0sec												
Seqn= 8 1-time(s) 2.0sec												
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0 2.0sec
	thin-Be/Open	med-Be/Open	close	Safe	Norm	1.41s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0 2.0sec
Seqn= 6 1-time(s) 2.0sec												
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0 2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	1.00s	Obs	4x4	2048x2048 (1024, 1024)	DPCM	2	0 2.0sec
Seqn= 29 1-time(s) 2.0sec												
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	3	0 2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	2	0 2.0sec
Default Filter Thicker Filter VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval												

XOB #1C09: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 60s cadence, G-band - 384x384 1ms

Term		Pointing (x, y)				Comment								
03/06 10:03:00 - 03/06 17:46:54		Fixed (-22.0, -979.0)				HOP81 S pole								
PROG= 07 Inf.-time(s)														
[	Subr= 1	1-time(s)		2.0sec										
	└ Seqn= 16	2-time(s)		2.0sec										
	└ Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec	
	Subr= 2	1-time(s)		2.0sec										
	└ Seqn= 90	1-time(s)		30.0sec										
	└ Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec	
	Subr= 3	60-time(s)		60.0sec										
	└ Seqn= 57	1-time(s)		30.0sec										
	└ Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec	
	└ Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec	
Default Filter		Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC	Buffer	Interval

XOB #1C13: Synoptic 7 Filter w/ Al-mesh(512/2048/4096), Al-poly(512/4096/8192), Thin-Be(3897/16384/32768) - Thick-Be(65536), Al-poly+Ti-poly(4096/231424)

Term			Pointing (x, y)				Comment							
03/06 17:50:00 - 03/06 17:56:54			Fixed (0.0, 0.0)				synoptic, shifted -13.0 min							
PROG= 05 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= 12		1-time(s)	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	2.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Open/Al-mesh		Open/Al-mesh	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Seqn= 82		1-time(s)	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
Al-poly/Open		Al-poly/Open	close	Safe	Norm	8.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=95	0	0	2.0sec
Seqn= 52		1-time(s)	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
thin-Be/Open		thin-Be/Open	close	Safe	Norm	32.0s	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= 17		1-time(s)	2.0sec											
med-Al/Open		med-Al/Open	close	Safe	Norm	5.66s	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= 97		1-time(s)	2.0sec											
Al-poly/Ti-poly		Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)		Q=98	0	0	2.0sec

Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	22.6s	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	

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Flare mode

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XOB #1B8E: Flare - multiframe 26 sec cadence (Be/thin, Be/med, Al/thick), AEC 3(thin-Be AEC2), 384x384 + context (med-Al,thick-Be -384x384 + Al-poly 512

Term	Pointing (x, y)	Comment
03/05 10:54:36 - 03/05 17:36:30	Fixed (-22.0, -959.0)	# OP start + 10min, HOP206 S pole
03/05 18:13:00 - 03/06 01:59:54	Track (-158.5, 490.0) @ 03/05 18:10:00	#BP obs
03/06 02:03:00 - 03/06 05:44:54	Fixed (0.0, 0.0)	HOP349 and synoptic, shifted -15.0 min
03/06 05:58:00 - 03/06 09:59:54	Track (-63.0, 491.2) @ 03/06 05:55:00	#BP obs
03/06 10:03:00 - 03/06 17:46:54	Fixed (-22.0, -979.0)	HOP81 S pole
03/06 18:00:00 - 03/06 22:58:00	Track (35.3, 491.0) @ 03/06 17:57:00	#BP obs
03/06 23:27:06 - 03/07 01:56:40	Track (-36.1, 83.0) @ 03/06 23:00:00	HOP393
03/07 02:25:30 - 03/07 05:59:54	Fixed (0.0, 0.0)	HOP349 and synoptic
03/07 06:13:00 - 03/07 10:54:10	Track (134.3, 489.4) @ 03/07 06:10:00	#BP obs

PROG= 13 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=100 1-time(s) 10.0sec												
thin-Be/Open	med-Be/Open	close	Safe	Norm	125ms	Obs	1x1	384x384 (1024, 1024)	Q=95	2	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-Al	Open/thick-Be	close	Safe	Norm	1.00s	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

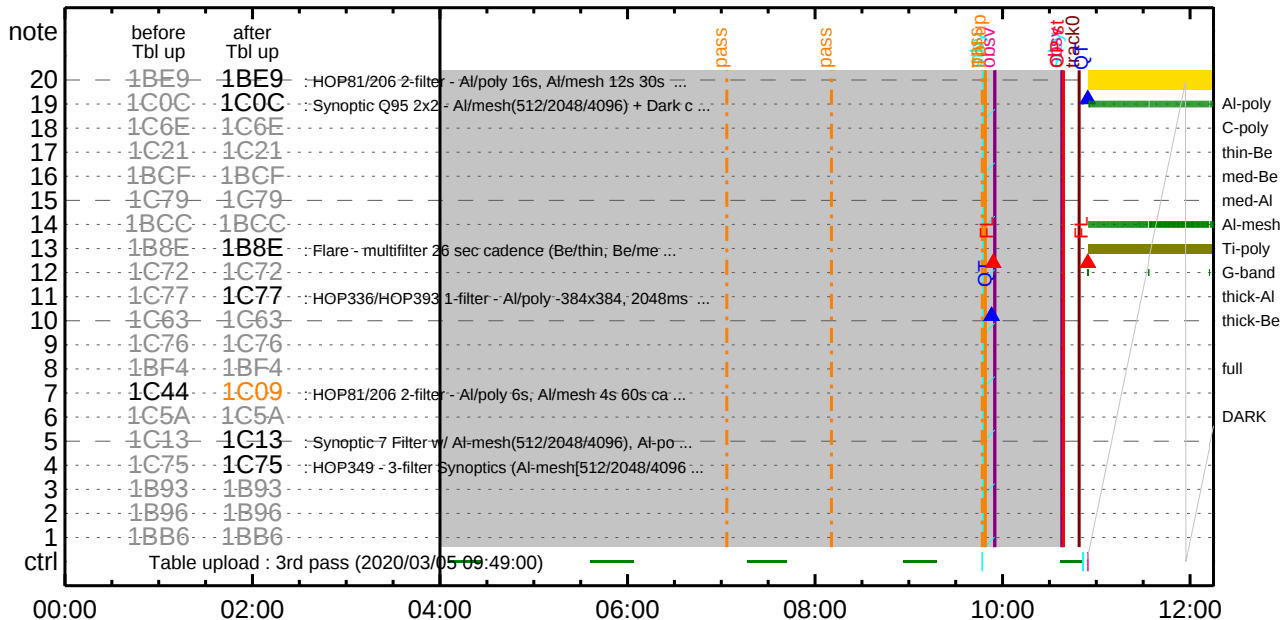
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Flare Detection

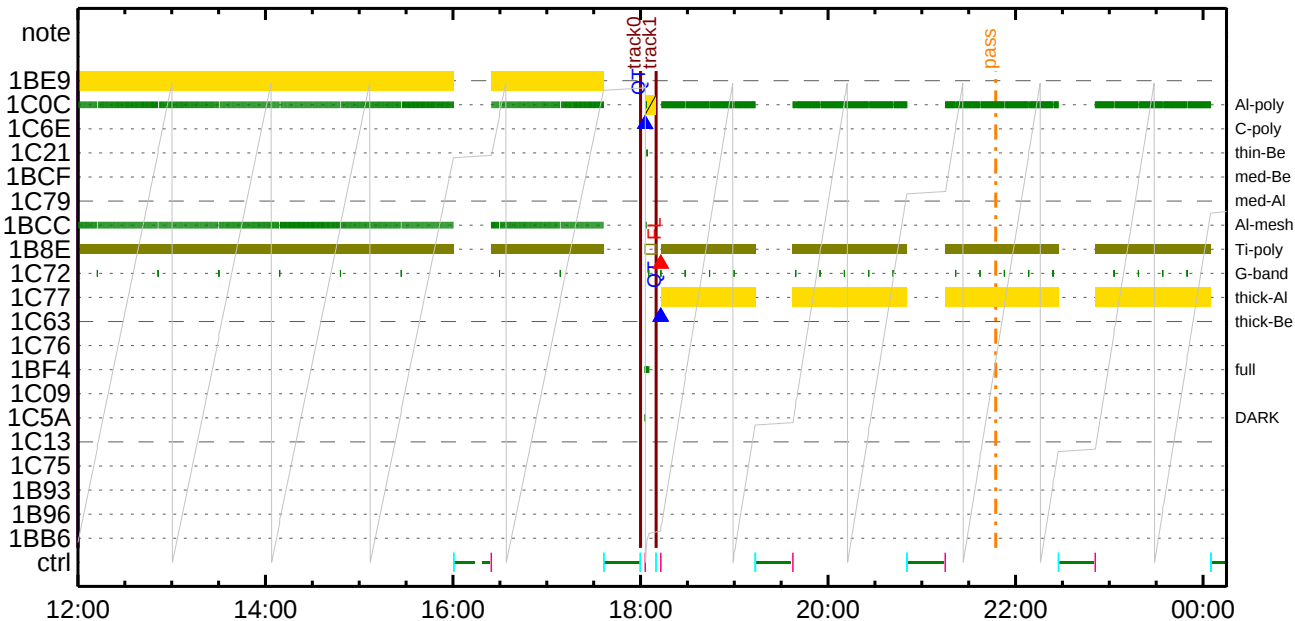
* * * * *

FLD Patrol												
Term	Pointing (x, y)		Comment									
03/05 18:10:18 - 03/06 05:45:18	Track (-158.5, 490.0)	@ 03/05 18:10:00	#BP obs									
03/06 05:55:18 - 03/06 17:47:18	Track (-63.0, 491.2)	@ 03/06 05:55:00	#BP obs									
03/06 17:57:18 - 03/07 06:00:18	Track (35.3, 491.0)	@ 03/06 17:57:00	#BP obs									
03/07 06:10:18 - 03/10 10:08:00	Track (134.3, 489.4)	@ 03/07 06:10:00	#BP obs									
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	

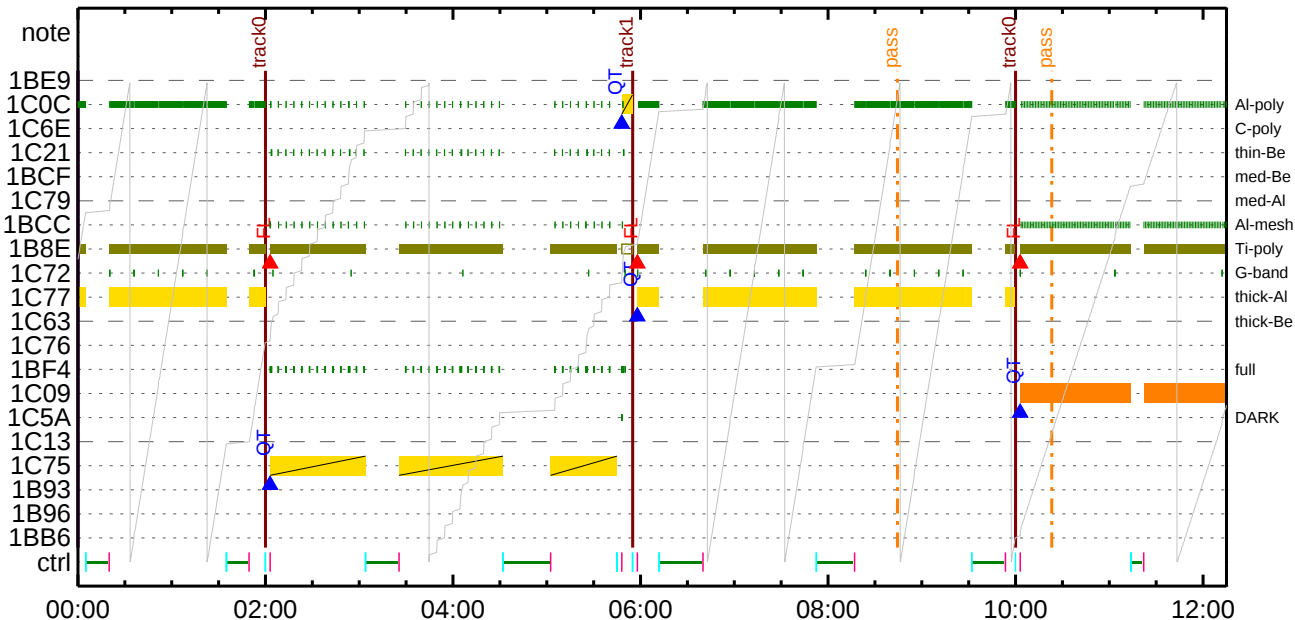
CMDI #0812 2020/03/05



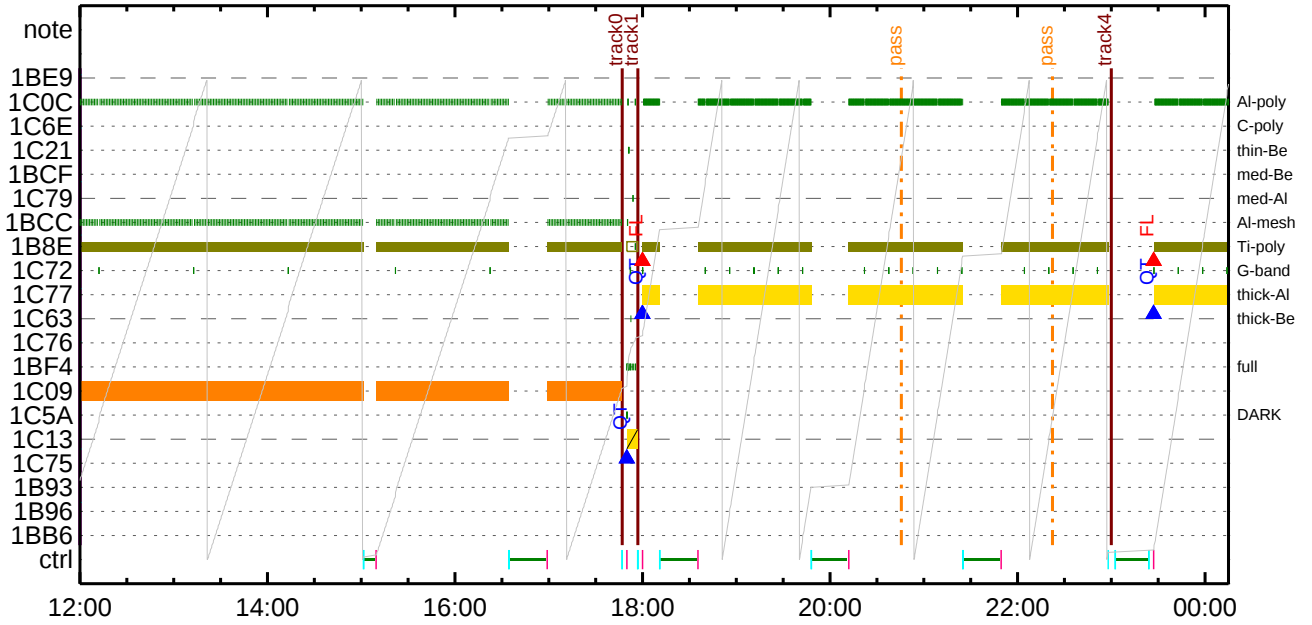
CMDI #0812 2020/03/05



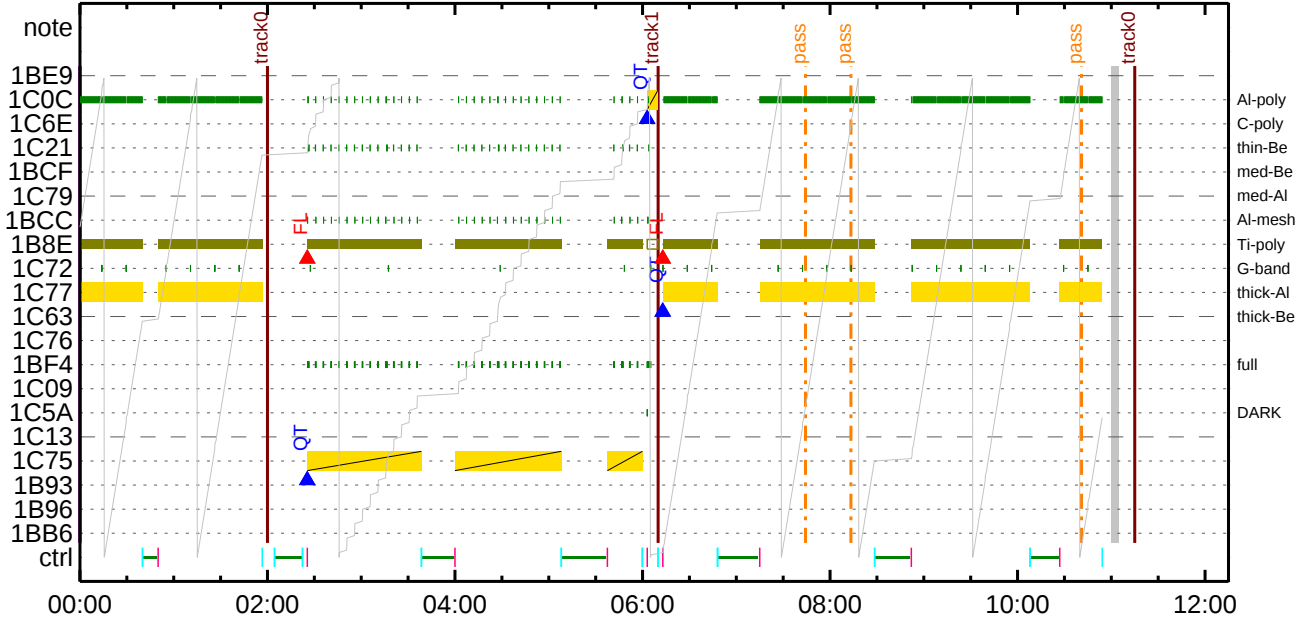
CMDI #0812 2020/03/06



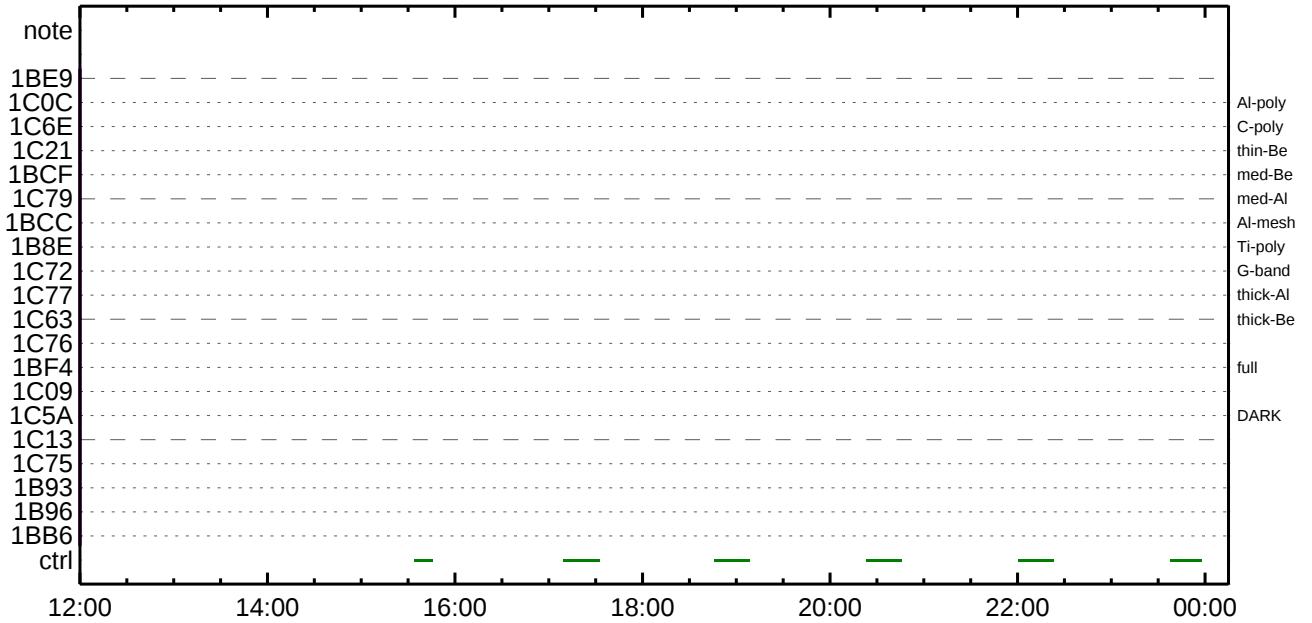
CMDI #0812 2020/03/06



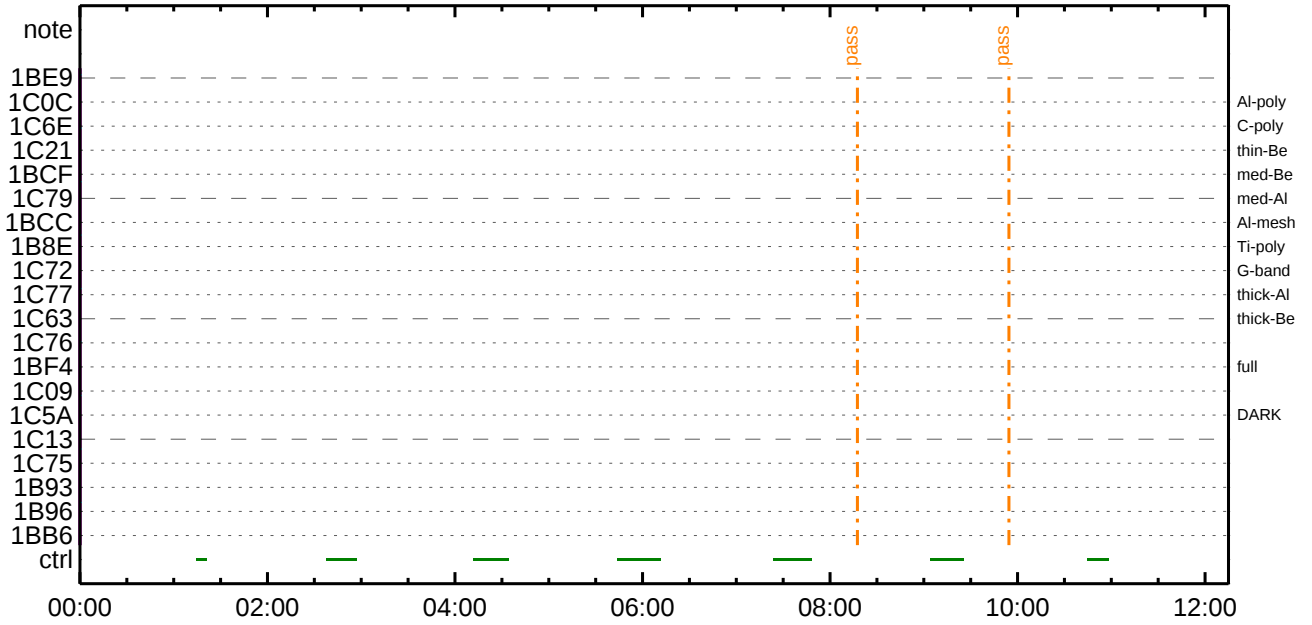
CMDI #0812 2020/03/07



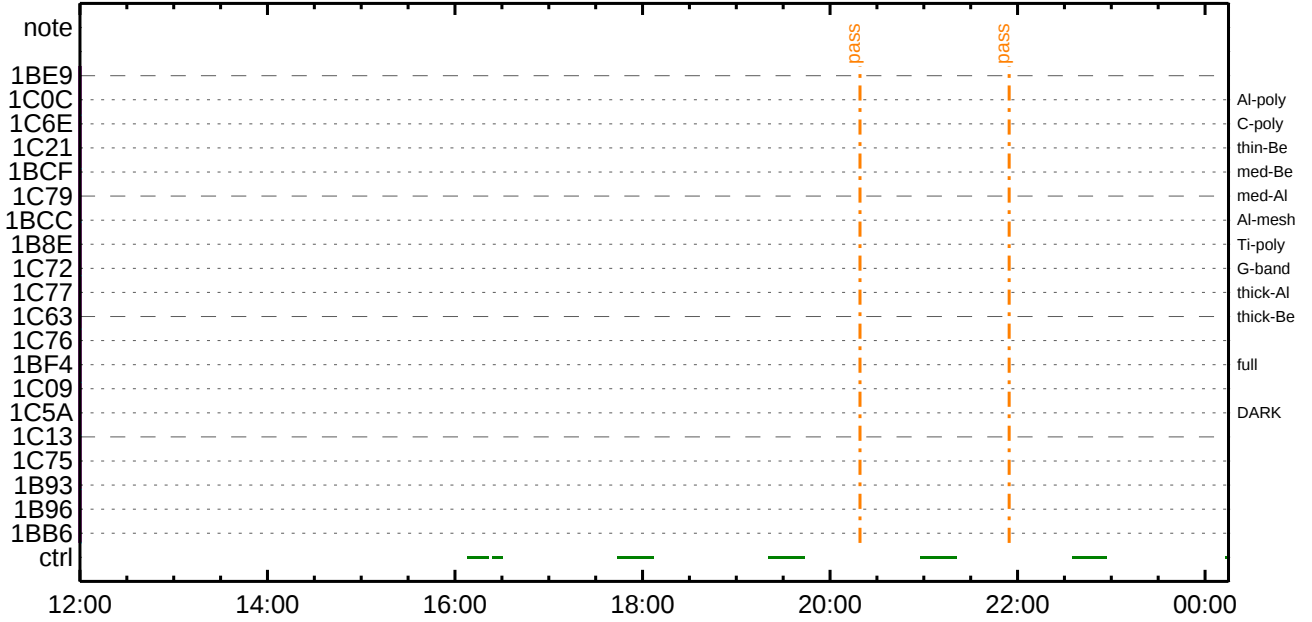
CMDI #0812 2020/03/07



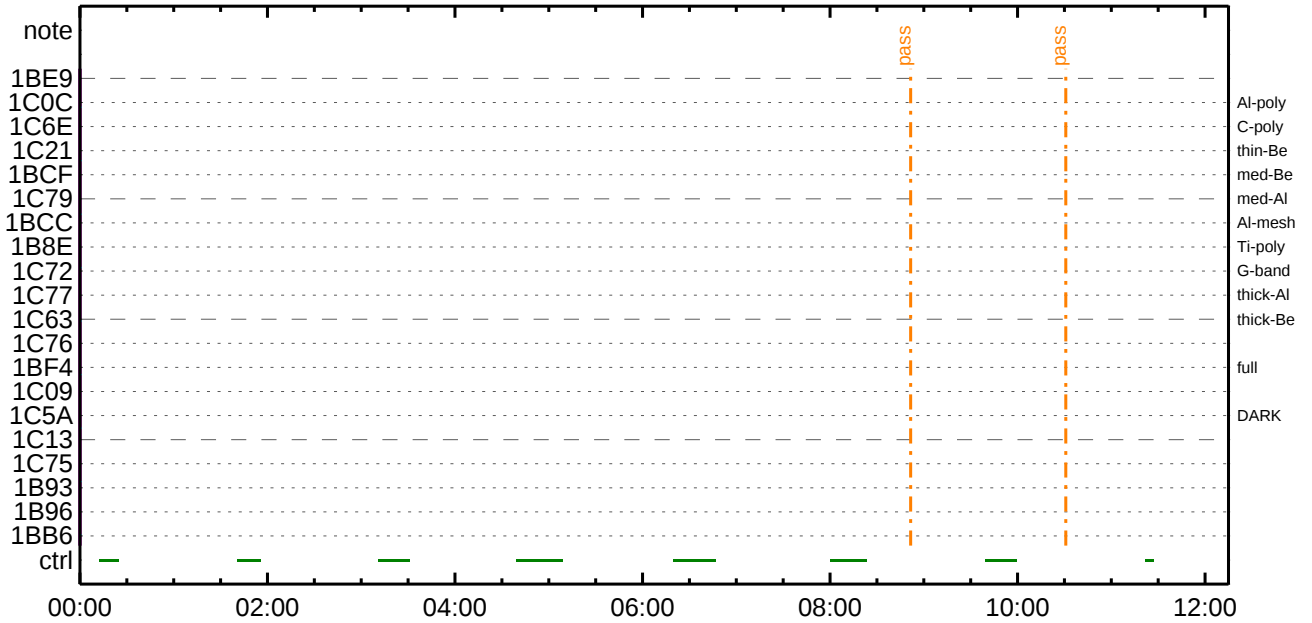
CMDI #0812 2020/03/08



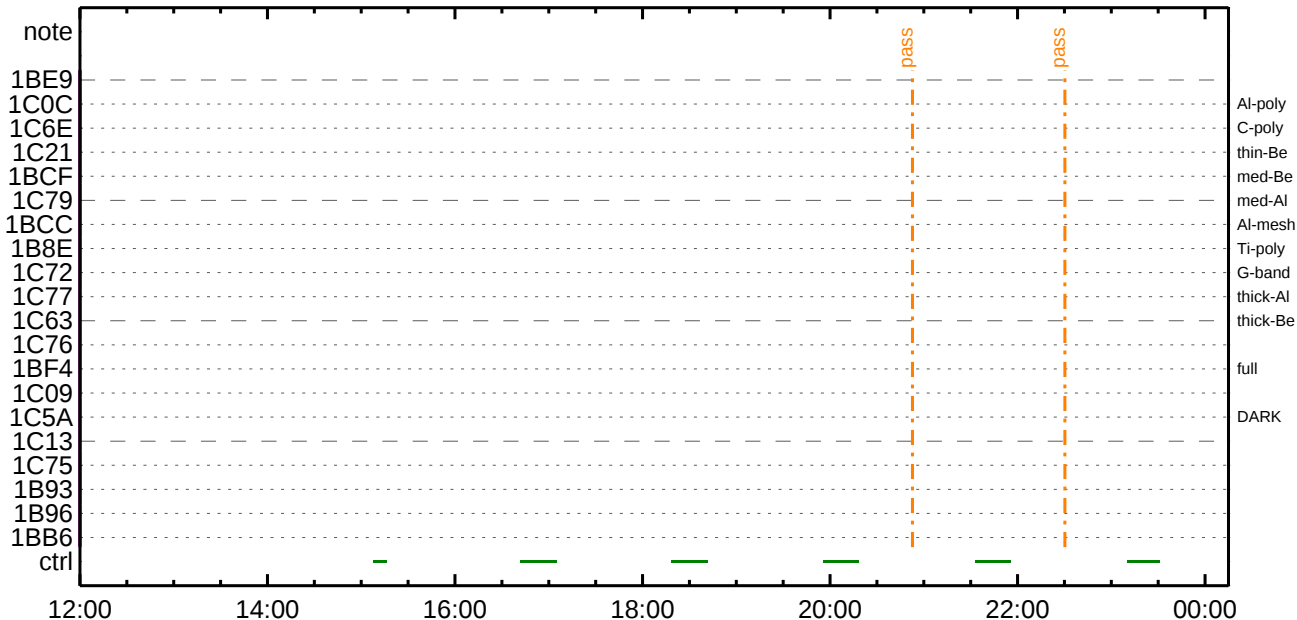
CMDI #0812 2020/03/08



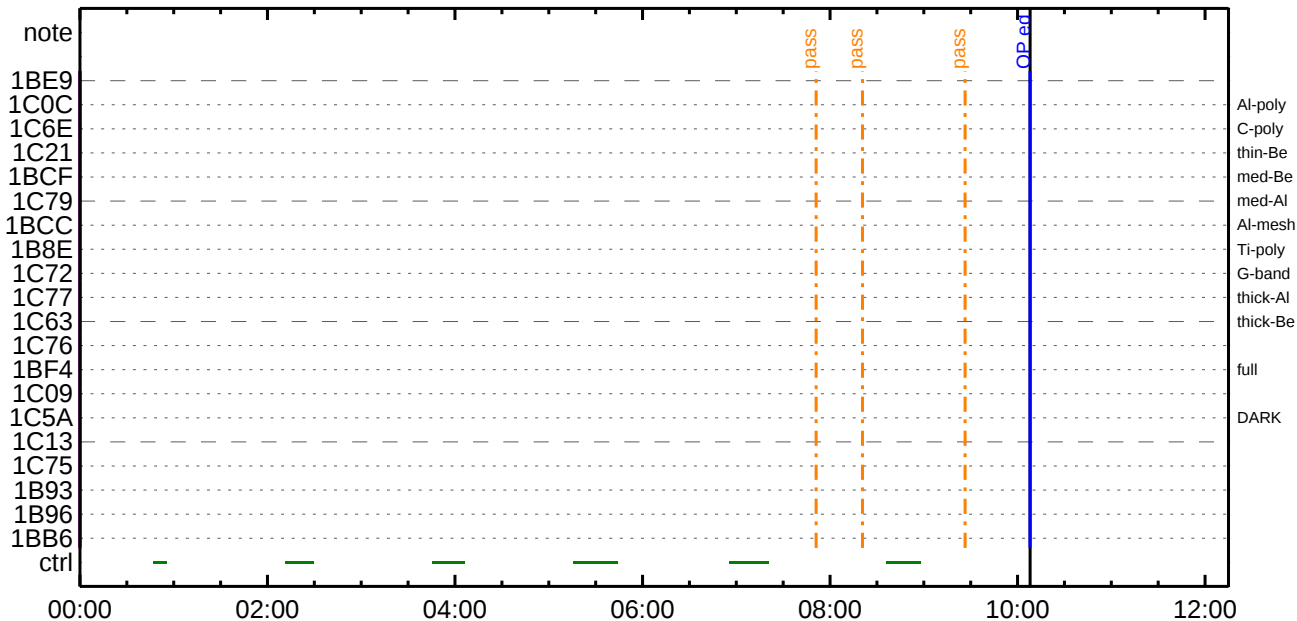
CMDI #0812 2020/03/09



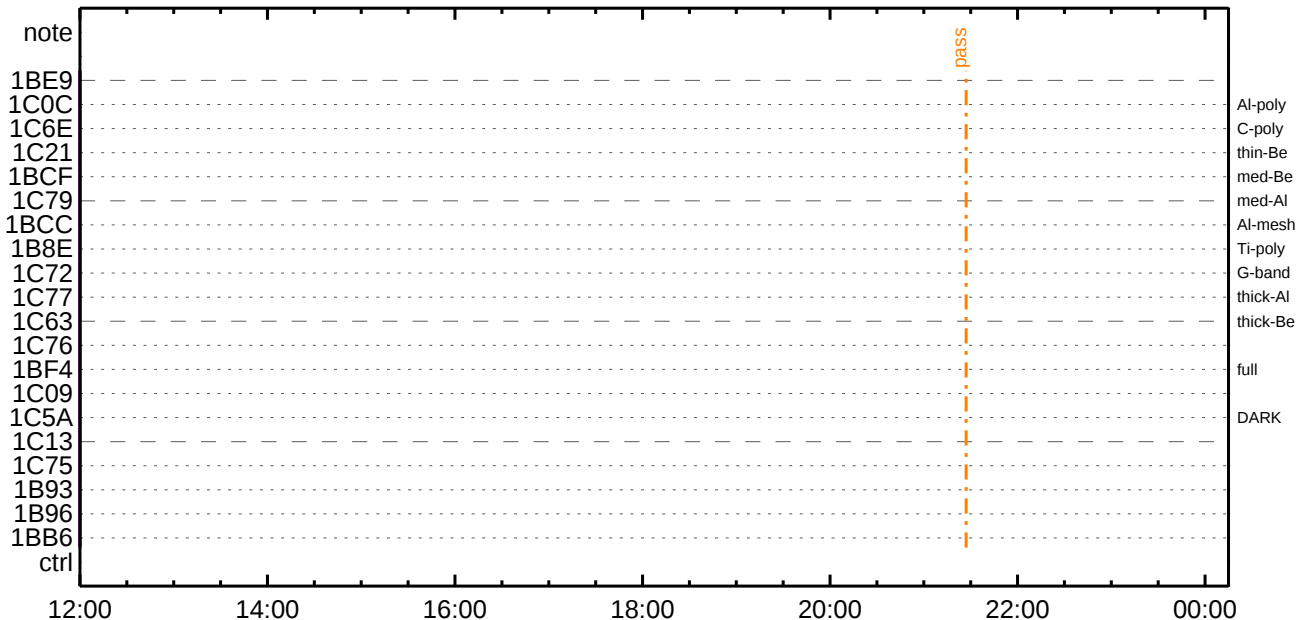
CMDI #0812 2020/03/09



CMDI #0812 2020/03/10



CMDI #0812 2020/03/10



(a) Spacecraft Operation Procedure (real-commands)

```
main-656 2020-03-05 11:36:38 194 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. iãAOS¥Á¥$¥Ã¥¼Ä»Üjã
0005 C.
0006 C. ¥À¥ßj¼¥³¥D¥ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Äi;Ê¿¿A¤•µ°£»I×AÇ¤I¥C¥A¥×¥i;¼¥ÉjÊÊ¿µ•iîÊjÊ¿¼°Ç¿¤•¤¿¼i¹Ç¤IjÇÀ®, Ü¤¹¤Ê¤¤¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤Èj£
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. OP/OG¥i;¼¥Éj;¥À¥ó¥×
0016 C. *****
0017 C.
0018 . C. iãOP/OG¥i;¼¥Éjã
0019 . S. OP op-656:OP
0020 ()
0021 . S. OG og-656:OG
0022 ()
0023 C.
0024 . C. iãNMOG&OPîî°è¥À¥ó¥×jã
0025 C. NMOG(0x200000-0x207FFF;§ 32 kbyte)
0026 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027 BC (20 00 7f 01 02)
0028 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 40
0029 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0030 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 127
0031 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0032 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0033 +. DC 01-22 DHU_MODE_CHNG
0034 BC (07 0b f8)
0035 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0036 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0037 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0038 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0039 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0040 . C. ¥À¥ó¥×½ªi»¤ò³iÇ$
0041 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0042 . C. RAM ID=NMOG¤i¼Ê¹Ç•è²iOK¤ò³iÇ$
0043 C.
0044 C. NMOG(0x208000-0x20FFFF;§ 32 kbyte)
0045 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046 BC (20 80 7f 01 02)
0047 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 41
0048 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0049 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 127
0050 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0051 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0052 +. DC 01-22 DHU_MODE_CHNG
0053 BC (07 0b f8)
0054 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0055 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0056 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0057 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0058 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0059 . C. ¥À¥ó¥×½ªi»¤ò³iÇ$
0060 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0061 . C. RAM ID=NMOG¤i¼Ê¹Ç•è²iOK¤ò³iÇ$
0062 C.
0063 C. NMOG(0x210000-0x2100FF;§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065 BC (21 00 41 01 02)
0066 C. ¢¢[HK1_DMP_TOP_ADRS_1] EQ 42
0067 C. ¢¢[HK1_DMP_TOP_ADRS_0] EQ 0
0068 C. ¢¢[HK1_DMP_BLOCK_NUM] EQ 65
0069 C. ¢¢[HK1_DMP_REPEAT_NUM] EQ 0
0070 C. ¢¢[HK1_DMA_DMP_PIM] EQ DHU
0071 +. DC 01-22 DHU_MODE_CHNG
0072 BC (07 0b f8)
0073 C. ¢¢[HK1_PKT_FORM_NO] EQ 7
0074 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.25 s
0075 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32k
0076 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0077 C. ¢¢[HK1_DMP_CHK_FLG] EQ EXEC
0078 . C. ¥À¥ó¥×½ªi»¤ò³iÇ$
0079 C. ¢¢[HK1_DMP_CHK_FLG] EQ NON
0080 . C. RAM ID=NMOG, RAM ID=OP¤i¼Ê¹Ç•è²iOK¤ò³iÇ$
0081 C.
0082 . C. ***** °Ê²¼¤i¼Ä~¶i°¤ÊÊ¬¤°Á÷¿® (¼¤µ¬¥À¥ó¥×½ªÊ¿¤òÄÓÃ¤¤Ç½¤¤¬¤Ê¼i¹Ç¤Ç¤â) *****
0083 C. DHU¥âj¼¥ÉjÊ¼ý½ ¥i;¼¥ÉjÊ¤òiã¤¹
0084 +. DC 01-22 DHU_MODE_CHNG
0085 BC (02 0a f8)
0086 C. ¢¢[HK1_PKT_FORM_NO] EQ 2
0087 C. ¢¢[HK1_PKT_GEN_TIME] EQ 0.5S
0088 C. ¢¢[HK1_S_TLM_BIT_RATE] EQ 32K
0089 C. ¢¢[HK1_X_TLM_BIT_RATE] EQ 4M
0090 C.
0091 . C. *****
0092 C. TI-CMD SET (OPOG STOP/COPY/START)
0093 C. *****
0094 C.
0095 . C. NOTICE j$ OPOG UPLOAD¤¬Á÷¿®NG¤i¼i¹Çj¢°Ê²¼¤iîTI-CMDÁ÷¿®¤i¼i¹¤°¤¤¤¤¤³¤Èj£
```

Line	Command	Parameter	Condition	Count
0096	C.	0B0CjCSET0EDUMP0IÆ±°i¥Ñ¥10C100 030EjE		
0097	C.			
0098	C.	TI¥3¥D¥0¥É00ÀDİç(UT)		
0099	+	TI 2020-03-05 10:34:00.0		
0100	DC	01-B3 DHU_OP_STOP		
0101	C.	00[HK1_TI_CMD_NUM]	EQ	1COUNTUP
0102	C.			
0103	+	TI 2020-03-05 10:34:01.0		
0104	DC	01-B4 DHU_OP_COPY		
0105	C.	00[HK1_TI_CMD_NUM]	EQ	1COUNTUP
0106	C.			
0107	+	TI 2020-03-05 10:34:01.0		
0108	DC	01-B5 DHU_OPOG_COPY		
0109	C.	00[HK1_TI_CMD_NUM]	EQ	1COUNTUP
0110	C.			
0111	+	TI 2020-03-05 10:38:59.5		
0112	DC	01-B2 DHU_OP_START		
0113	C.	00[HK1_TI_CMD_NUM]	EQ	1COUNTUP
0114	C.			
0115	C.	°Ê²¼0İÄê%İİŃ0İ¥Ä\$¥Ä¥~¹àİÜ		
0116	C.	00[HK1_TI_CMD_ENA/DIS]	EQ	ENA
0117	C.	00[HK1_TI_CMD_NUM]	EQ	4
0118	C.	00[HK1_NEXT_EXEC_PIM]	EQ	DHU
0119	C.	00[HK1_NEXT_EXEC_DC]	EQ	0xB3
0120	C.			
0121	C.	*****		
0122	C.	TIİİ°è¥Ä¥0¥x		
0123	C.	*****		
0124	C.			
0125	C.	TI_TBL(0x03AB00-0x03AEFFj\$ 1024byte)		
0126	+	DC 01-23 DHU_DMA_DMP_PRM_SET		
0127	BC	(03 ab 03 01 02)		
0128	C.	00[HK1_DMP_TOP_ADRS_1]	EQ	07
0129	C.	00[HK1_DMP_TOP_ADRS_0]	EQ	2B
0130	C.	00[HK1_DMP_BLOCK_NUM]	EQ	3
0131	C.	00[HK1_DMP_REPEAT_NUM]	EQ	0
0132	C.	00[HK1_DMA_DMP_PIM]	EQ	DHU
0133	+	DC 01-22 DHU_MODE_CHNG		
0134	BC	(07 0b f8)		
0135	C.	00[HK1_PKT_FORM_NO]	EQ	7
0136	C.	00[HK1_PKT_GEN_TIME]	EQ	0.25 s
0137	C.	00[HK1_S_TLM_BIT_RATE]	EQ	32k
0138	C.	00[HK1_X_TLM_BIT_RATE]	EQ	4M
0139	C.	00[HK1_DMP_CHK_FLG]	EQ	EXEC
0140	C.			
0141	C.	¥Ä¥0¥x½ªİ»00³İÇ\$		
0142	C.	00[HK1_DMP_CHK_FLG]	EQ	NON
0143	C.			
0144	C.	RAM ID=TI_TBL0İ%Ê¹Ç•è²İOK00³İÇ\$		
0145	C.			
0146	C.	DHU¥âj¼¥ÉjÊ¼ý½ ¥İj¼¥ÊjË00İâ0¹		
0147	+	DC 01-22 DHU_MODE_CHNG		
0148	BC	(02 0a f8)		
0149	C.	00[HK1_PKT_FORM_NO]	EQ	2
0150	C.	00[HK1_PKT_GEN_TIME]	EQ	0.5S
0151	C.	00[HK1_S_TLM_BIT_RATE]	EQ	32K
0152	C.	00[HK1_X_TLM_BIT_RATE]	EQ	4M
0153	C.			
0154	C.	Stop EIS observation and temporarily disable EIS mode changes		
0155	C.			
0156	C.			
0157	C.	***** Start EIS operation (TI set) *****		
0158	C.	Execute, after the success of OP upload.		
0159	C.	Set EIS TI-commands		
0160	+	TI 2020-03-05 10:38:30.0		
0161	DC	07-FC EIS_MODE_MANU		
0162	BC	(21 02)		
0163	+	TI 2020-03-05 10:38:40.0		
0164	DC	07-FC EIS_MODE_CHG_DIS		
0165	BC	(22)		
0166	C.	[] [HK1_TI_CMD_NUM]	EQ	2 COUNTUP
0167	C.	***** End EIS operation (TI set) *****		
0168	C.			
0169	C.			
0170	C.			
0171	C.	***** XRT START *****		
0172	C.	Execute, after the success of OP upload.		
0173	+	TI 2020-03-05 10:38:00.0		
0174	DC	07-F0 MDP_XRT_MODE_STBY		
0175	BC	(c3)		
0176	C.	[] [HK1_TI_CMD_NUM]	EQ	1COUNTUP
0177	C.			
0178	C.	***** XRT END *****		
0179	C.			
0180	C.	***** MDP '0Äİ0İ»0%Ý0ÊÄ00¹0èDCBC•x²è *****		
0181	C.	(%â°İ0¥Ä¥Ê¥D¥É¥Ä¥Ç¥è0Ê¼00¼Ä»Ü0¹0è)		
0182	S.	DC-BC dcbc-402:DCBC		
0183		(MDP_known_event)		
0184	C.			
0185	C.			
0186	C.	***** ¥D¥1•İ Daily±çİŃ0Ê'00¹0èDCBC•x²è *****		
0187	S.	DC-BC dcbc-153:DCBC		


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0001 C.  
0002 C. ***** AOS *****  
0003 C.  
0004 C. ;ãAOS¥Á¥$¥Ã¥¯¼Ä»Ü;ä  
0005 C.  
0006 C. ¥Å¥ßj;¼¥³¥Ð¥Ó¥ÉÄ÷¿®  
0007 + DC 00-00 NULL_DUMMY_CMD  
0008 C.  
0009 C. ***** AOCS : Reload orbital element (send every contact) *****  
0010 C. Äí;jÊ¿ðÀ«•µ°Æ»Î×ÁÇ«Í¥¢¥Å¥×¥1;j¼¥Ë;ËËè½µ•îË;ËÈ¼°ÇÒ«•«¿%ì¹Ç«Í;j ÇÀ®, ù«¹«ë«þ«ÇÄ÷¿®«•«É«««³«È;j£  
0011 + DC 02-8E AOCU_ORB_UPD  
0012 C.  
0013 C.  
0014 C. *****  
0015 C. XÄ÷¿®µ;j ON  
0016 C. *****  
0017 C. ¢¨ °ÆÄ, Î×ËÝ«àLOS«þ«Ç«Í»Þ´Ö«ò¹îÎ, «•j ÇÉÔî×«EXÄÓON«ï¹ô«É«í«É«««³«È;j£  
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. ¢¢[HK1_XPA_ON/OFF] EQ ON  
0025 C. ¢¢[HK1_XPA_PWR_HI/L0] EQ HI  
0026 C. ¢¢[HK1_XMOD_ON/OFF] EQ ON  
0027 C. ¢¢[HK1_XMOD_QPSK/PM] EQ QPSK  
0028 C.  
0029 C. X¥Ð¥Ó¥É¥1¥Ã¥¯¼ÖÄÕ«¬·ÄÂê«•«¿«é;j ¤°Ë²¼«ï°ÆÄ, ¾ê½Ç«ò¼Ä¹ö«¹«é;j £  
0030 C.  
0031 C. *****  
0032 C. DR PT1 ÄÌ¾¹°ÆÄ,  
0033 C. *****  
0034 C. ¢¨ RESTART;j ÊPT1;j Ê«•«¿««%ì¹Ç«Í;j ¤°Ë²¼«ï¹¼Ä¹ö«««º;j ¤DCBC-150«Ø¿Ë«à;j £  
0035 C.  
0036 C. j äPT1°ÆÄ, ³««»î;j ä  
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. ¢¢[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹ö, j¾Ú)  
0043 C. ¢¢[HK1_REP_STA/STP] EQ START (¼Ä¹ö, j¾Ú)  
0044 C. ¢¢[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ö, j¾Ú)  
0045 C.  
0046 C. j ä¥¢¥ó¥Æ¥ÉÄÜÄø;j ÊÄ·Ä²²óÈö;j È, ä«ï°ÆÄ, °Æ³««j ä  
0047 + DC 06-B3 DR_REP_START  
0048 + DC 01-32 DHU_X_VC4_ON  
0049 C. ¢¢[HK1_REP_PT_1/2] EQ PT1 (¼Ä¹ö, j¾Ú)  
0050 C. ¢¢[HK1_REP_STA/STP] EQ START (¼Ä¹ö, j¾Ú)  
0051 C. ¢¢[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ö, j¾Ú)  
0052 C.  
0053 C.  
0054 C. PT1°ÆÄ, «¬¼««Æ°Äâ»ß««•«¿, ä;j ¤°Ë²¼«ò¼¼Ä¹ö«¹«é;j £  
0055 C. ¥¢¥ó¥Æ¥ÉÄÜÄø«äÄ·Ä²²óÈö«¬¶á««%ì¹Ç«Í·î»«¹«ë«þ«ÇÄÔ«à;j £  
0056 C.  
0057 C. *****  
0058 C. DR PT2 ÄÌ¾¹°ÆÄ,  
0059 C. *****  
0060 C. ¢¨ RESTART;j ÊPT2;j Ê«•«¿««%ì¹Ç«Í;j ¤°Ë²¼«ï¹¼Ä¹ö«««º;j ¤DCBC-151«Ø¿Ë«à;j £  
0061 C.  
0062 C. j äPT2°ÆÄ, ³««»î;j ä  
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. ¢¢[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹ö, j¾Ú)  
0069 C. ¢¢[HK1_REP_STA/STP] EQ START (¼Ä¹ö, j¾Ú)  
0070 C. ¢¢[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ö, j¾Ú)  
0071 C.  
0072 C. j ä¥¢¥ó¥Æ¥ÉÄÜÄø;j ÊÄ·Ä²²óÈö;j È, ä«ï°ÆÄ, °Æ³««j ä  
0073 + DC 06-B3 DR_REP_START  
0074 + DC 01-32 DHU_X_VC4_ON  
0075 C. ¢¢[HK1_REP_PT_1/2] EQ PT2 (¼Ä¹ö, j¾Ú)  
0076 C. ¢¢[HK1_REP_STA/STP] EQ START (¼Ä¹ö, j¾Ú)  
0077 C. ¢¢[HK1_X_VC4_ON/OFF] EQ ON (¼Ä¹ö, j¾Ú)  
0078 C.  
0079 C. *****  
0080 C. DR°ÆÄ, Äâ»ß;j ¤XÄ÷¿®µ;j OFF  
0081 C. *****  
0082 C.  
0083 C. j äDR°ÆÄ, Äâ»ß;j ä  
0084 + DC 06-B4 DR_REP_STOP  
0085 + DC 01-29 DHU_S/X_VC4_OFF  
0086 C. ¢¢[HK1_REP_STA/STP] EQ STOP  
0087 C. ¢¢[HK1_S_VC4_ON/OFF] EQ OFF  
0088 C. ¢¢[HK1_X_VC4_ON/OFF] EQ OFF  
0089 C.  
0090 C. j äXÄ÷¿®µ;j OFF;j ä  
0091 + DC 03-85 TCIA_XMOD_OFF  
0092 M. WAIT_SEC 1  
0093 + DC 03-B5TCIA_XPA_OFF  
0094 C. ¢¢[HK1_XMOD_ON/OFF] EQ OFF  
0095 C. ¢¢[HK1_XPA_ON/OFF] EQ OFF
```

```
0096 C.  
0097 C.  
0098 . C. ***** AOCS Commands (Tracking Curve Upload) *****  
0099 C. Upload the Orbit Element and the Target Attitude  
0100 C. RAM-ID:TARGET_ATT  
0101 . S. RAM ram-150:TARGET_ATT  
0102 ()  
0103 C.  
0104 C.  
0105 C. Set the dump memory area of TARGET_ATT  
0106 +. DC 02-48 AOCU_DUMP_SET  
0107 BC (07 00 00 00 18 00)  
0108 C.  
0109 C. <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]  
0110 C.  
0111 C.  
0112 C. Change the TLMFormatNo for the AOCS Dump Format  
0113 +. DC 01-22 DHU_MODE_CHNG  
0114 BC (04 0b f8)  
0115 C.  
0116 C. Wait for 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. Load OBSTBL, dump OBSTBL, enable EIS mode changes  
0130 +. DC 07-FC EIS_MODE_CHG_ENA  
0131 BC (20)  
0132 . C. Verify EIS_MODE_CHG_FLG is ENA  
0133 +. DC 07-FC EIS_MODE_MANU  
0134 BC (21 02)  
0135 . C. Verify EIS in MANUAL mode  
0136 . C. Estimated OBSTBL upload time is 7s  
0137 C. *****  
0138 C. EIS START OBSTBL LOAD  
0139 C. *****  
0140 . S. RAM ram-820:EIS_OBSTBL  
0141 ()  
0142 +. DC 07-FC EIS_DUMP_OBSTBL  
0143 BC (07 07 07 00 00 70 00)  
0144 C.  
0145 C. Execute, after the success of OBSTBL upload.  
0146 C. Set EIS TI-commands  
0147 +. TI 2020-03-05 10:38:50.0  
0148 DC 07-FC EIS_MODE_CHG_ENA  
0149 BC (20)  
0150 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP  
0151 C. *****  
0152 C. EIS END OBSTBL LOAD  
0153 C. *****  
0154 C.  
0155 . C. ***** MDP `üÃîï»õ%ÝðĒÂÐ¤¼ēDCBC•x²è *****  
0156 C. (%ã°ī¥ŸŌ¥Ā¥Ê¥Đ¥É¥ā¥Ɔ¥ê¤Ě¾¤¤¼Å»Ü¤¹¤ë)  
0157 . S. DC-BC dcbc-402:DCBC  
0158 (MDP_known_event)  
0159 C.  
0160 C.  
0161 . C. ***** ¥Đ¥¹•İ Daily±¿İÑ¤Ė´Ø¤¹¤ēDCBC•x²è *****  
0162 . S. DC-BC dcbc-153:DCBC  
0163 (SPECIAL-CMD_DAILY_OPERATIN_DCB)  
0164 C.  
0165 C.  
0166 C. ¡ăLOS¥Á¥Š¥Ǻ¥¬¼Å»Ü¡ă  
0167 C.  
0168 C. ***** LOS *****  
0169 C.
```

(a) Spacecraft Operation Procedure (real-commands)

```
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0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. iãAOS¥Á¥S¥Ã¥¼Á»Üjã
0005 C.
0006 C. ¥À¥Bj¼¥³¥P¥Ó¥ÉÁ÷¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Āi;Ē¿¿A¿•µ°Æ»İ×AÇ¿İ¥Ç¥Á¥×¥İj¼¥ÉjĒĒ¿µ•İĒĒjĒ¿Ē°Ç¿¿•¿¿İ¹Ç¿İjÇÀ®, Ü¿¹¿Ē¿¿¿¿ÇÁ÷¿®¿•¿Ē¿¿¿¿¿Ē¿jĒ
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. *****
0015 C. XÁ÷¿®µjON
0016 C. *****
0017 C. ¨ °ĒĒ, İ×ĒY¿¿ĒLOS¿¿¿¿İ»p´Ŏ¿Ŏ¹İİ, ¿•jÇĒŎİ×¿ĒXĒŎON¿İ¹Ŏ¿Ēİ¿Ē¿¿¿¿¿Ē¿jĒ
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. X¥Đ¥Ó¥É¥İ¥Á¥¼ŎĀŎ¿-°ĒĒ¿¿•¿¿¿¿jÇ°Ē²¼¿İ°ĒĒ, ¼ĒĒ¿Ç¿¿¿¿Ē¹Ŏ¿¹¿ĒjĒ
0030 C.
0031 . C. *****
0032 C. DR PT1 Āİ¼İ°ĒĒ
0033 C. *****
0034 C. ¨ ¨ RESTARTjĒPT1jĒ¿•¿¿¿¿¿İ¹Ç¿İjÇ°Ē²¼¿İ¼Ē¹Ŏ¿¿¿¿jÇDCBC-150¿Ŏ¿Ē¿¿¿jĒ
0035 C.
0036 . C. jãPT1°ĒĒ, ³«»İjã
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 (¼Ē¹Ŏ, j¼Ŏ)
0043 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ē¹Ŏ, j¼Ŏ)
0044 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ē¹Ŏ, j¼Ŏ)
0045 C.
0046 . C. jã¥Ç¥Ó¥Æ¥ĒĒĒĒ¿İĒĒ•Ē°²ŎĒ¿İĒ, Ē¿İ°ĒĒ, °Ē³«jã
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 (¼Ē¹Ŏ, j¼Ŏ)
0050 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ē¹Ŏ, j¼Ŏ)
0051 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ē¹Ŏ, j¼Ŏ)
0052 C.
0053 C.
0054 . C. PT1°ĒĒ, ¿-¼«Æ°ĒĒ»İ¿•¿¿, ĒjÇ°Ē²¼¿¿¿¿Ē¹Ŏ¿¹¿ĒjĒ
0055 C. ¥Ç¥Ó¥Æ¥ĒĒĒĒ¿ĒĒ•Ē°²ŎĒ¿¿-ŎĒ¿¿¿İ¹Ç¿İ °İ»¿¹¿Ē¿¿¿¿ĒĒ¿jĒ
0056 C.
0057 . C. *****
0058 C. DR PT2 Āİ¼İ°ĒĒ
0059 C. *****
0060 C. ¨ ¨ RESTARTjĒPT2jĒ¿•¿¿¿¿¿İ¹Ç¿İjÇ°Ē²¼¿İ¼Ē¹Ŏ¿¿¿¿jÇDCBC-151¿Ŏ¿Ē¿¿¿jĒ
0061 C.
0062 . C. jãPT2°ĒĒ, ³«»İjã
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 (¼Ē¹Ŏ, j¼Ŏ)
0069 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ē¹Ŏ, j¼Ŏ)
0070 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ē¹Ŏ, j¼Ŏ)
0071 C.
0072 . C. jã¥Ç¥Ó¥Æ¥ĒĒĒĒ¿İĒĒ•Ē°²ŎĒ¿İĒ, Ē¿İ°ĒĒ, °Ē³«jã
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 (¼Ē¹Ŏ, j¼Ŏ)
0076 C. ÇÇ[HK1_REP_STA/STP] EQ START (¼Ē¹Ŏ, j¼Ŏ)
0077 C. ÇÇ[HK1_X_VC4_ON/OFF] EQ ON (¼Ē¹Ŏ, j¼Ŏ)
0078 C.
0079 . C. *****
0080 C. DR°ĒĒ, ĒĒ»İjÇXÁ÷¿®µjOFF
0081 C. *****
0082 C.
0083 . C. jãDR°ĒĒ, ĒĒ»İjã
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. jãXÁ÷¿®µjOFFjã
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
```

```
0096 C.
0097 C.
0098 C.
0099 C. ***** XRT START *****
0100 C.
0101 +. DC 07-F0 MDP_XRT_CTRL_MANU
0102 BC (c1)
0103 + DC 07-F0 MDP_XRT_MODE_STBY
0104 BC (c3)
0105 . C. ----- Success Verify ? OK / NG____
0106 C.
0107 C. XRT Obs. Table Upload
0108 . S. RAM ram-291:MDP_OBS_X
0109 ( )
0110 C.
0111 +. DC 07-F0 MDP_DUMP_XRTTBL
0112 BC (84 07 00 00 00 3a d4)
0113 . C. ----- Comparison Check ? OK / ERR ____
0114 C.
0115 C.
0116 +. DC 07-F0 MDP_XRT_ROI_SET
0117 BC (cd 01 b1 b1 04 04)
0118 + DC 07-F0 MDP_XRT_ROI_SET
0119 BC (cd 02 b1 b1 08 08)
0120 + DC 07-F0 MDP_XRT_ROI_SET
0121 BC (cd 03 b1 b1 08 08)
0122 + DC 07-F0 MDP_XRT_ROI_SET
0123 BC (cd 04 b1 b1 06 06)
0124 + DC 07-F0 MDP_XRT_ROI_SET
0125 BC (cd 06 85 83 06 06)
0126 + DC 07-F0 MDP_XRT_ROI_SET
0127 BC (cd 07 80 80 20 20)
0128 + DC 07-F0 MDP_XRT_ROI_SET
0129 BC (cd 08 80 80 20 08)
0130 + DC 07-F0 MDP_XRT_ROI_SET
0131 BC (cd 09 80 80 08 20)
0132 + DC 07-F0 MDP_XRT_ROI_SET
0133 BC (cd 0a 85 83 08 08)
0134 + DC 07-F0 MDP_XRT_ROI_SET
0135 BC (cd 0f 80 80 06 06)
0136 + DC 07-F0 MDP_XRT_ROI_SET
0137 BC (cd 10 80 80 08 08)
0138 + DC 07-F0 MDP_XRT_FLD_ENA
0139 BC (d8)
0140 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0141 BC (c8)
0142 + DC 07-F0 MDP_XRT_ARS_DIS
0143 BC (d5)
0144 + DC 07-F0 MDP_XRT_AEC_RESET
0145 BC (d0)
0146 + DC 07-F0 MDP_XRT_FLD_RESET
0147 BC (da)
0148 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0149 BC (c4 0b)
0150 +. DC 07-F0 MDP_XRT_FL_PROG_SET
0151 BC (c5 0d)
0152 . C. ----- Success Verify ? OK / NG ____
0153 C.
0154 C.
0155 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0156 C.
0157 +. DC 07-F0 MDP_XRT_MODE_OBSV
0158 BC (c2)
0159 +. TI 2020-03-05 10:38:02.0
0160 DC 07-F0 MDP_XRT_MODE_OBSV
0161 BC (c2)
0162 . C. ----- Success Verify ? OK / NG ____
0163 C.
0164 C. ***** XRT END *****
0165 C.
0166 . C. ***** MDP `0ÃÎ»0%YðÊÂð¹ðÐCBC•x²è *****
0167 C. (%Ã°î¥0¥Ã¥Ê¥ð¥Ê¥â¥¢¥èðÊ¼¼¼¼»Û¹ðè)
0168 . S. DC-BC dcbc-402:DCBC
0169 (MDP_known_event)
0170 C.
0171 C.
0172 . C. ***** ¥Ð¥¹•Î Daily±¿ÎÑðÊ´0¹ðÐCBC•x²è *****
0173 . S. DC-BC dcbc-153:DCBC
0174 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0175 C.
0176 C.
0177 . C. ¡ãLOS¥Á¥$¥Ã¥¬¼Ã»Û¡ä
0178 C.
0179 . C. ***** LOS *****
0180 C.
```

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*** OP Sequence for XRT ***

2020/03/05	10:49:00.0	AOCS_Or-point_Start_1_OG [0x097]			
		AOCU_NM	5	02-76 00 55 3f 01 f3	
2020/03/05	10:51:30.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	10:51:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	10:51:34.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00	
2020/03/05	10:51:54.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0 d8	
2020/03/05	10:51:56.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8	
2020/03/05	10:51:58.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0 d0	
2020/03/05	10:52:00.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0 d5	
2020/03/05	10:52:02.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2020/03/05	10:54:32.0	XRT_QT_PROG_SET_425_OG [0x1a9]			
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 14	
2020/03/05	10:54:34.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0d	
2020/03/05	10:54:36.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2020/03/05	16:00:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	16:00:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	16:00:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2020/03/05	16:00:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2020/03/05	16:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2020/03/05	16:23:30.0	XRT_Custom_430_OG [0x1ae]			
2020/03/05	16:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2020/03/05	17:36:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	17:36:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	17:36:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2020/03/05	17:36:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0 e8	
2020/03/05	17:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0 e9	
2020/03/05	17:59:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	17:59:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	17:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8 22 ff aa 00	
2020/03/05	18:00:00.0	AOCS_Or-point_Start_2_OG [0x098]			
		AOCU_NM	5	02-76 00 00 00 00 00	
2020/03/05	18:00:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0 d9	
2020/03/05	18:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0 c9	
2020/03/05	18:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]			
		MDP_XRT_ARS_DIS	1	07-F0 d5	
2020/03/05	18:02:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]			
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 13	
2020/03/05	18:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2020/03/05	18:09:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	18:09:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	
2020/03/05	18:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00	
2020/03/05	18:10:00.0	AOCS_Or-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76 01 03 74 01 f3	
2020/03/05	18:10:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0 d8	
2020/03/05	18:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8	
2020/03/05	18:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0 d0	
2020/03/05	18:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0 d5	
2020/03/05	18:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0 da	
2020/03/05	18:12:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]			
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 0b	
2020/03/05	18:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0d	
2020/03/05	18:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0 c0	
2020/03/05	19:13:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0 c1	

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2020/03/05	19:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/05	19:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/05	19:13:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/05	19:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/05	19:36:30.0	XRT_Custom_430_OG [0x1ae]				
2020/03/05	19:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/05	20:50:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/05	20:50:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/05	20:50:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/05	20:50:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/05	20:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/05	21:14:00.0	XRT_Custom_430_OG [0x1ae]				
2020/03/05	21:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/05	22:27:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/05	22:27:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/05	22:27:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/05	22:27:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/05	22:30:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/05	22:50:00.0	XRT_Custom_430_OG [0x1ae]				
2020/03/05	22:51:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	00:05:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	00:05:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	00:05:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	00:05:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	00:08:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	00:19:00.0	XRT_Custom_430_OG [0x1ae]				
2020/03/06	00:20:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	01:35:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	01:35:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	01:35:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	01:35:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	01:38:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	01:48:30.0	XRT_Custom_430_OG [0x1ae]				
2020/03/06	01:49:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	01:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	01:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	01:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/03/06	02:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2020/03/06	02:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2020/03/06	02:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/03/06	02:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2020/03/06	02:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/06	02:00:26.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	02:02:56.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2020/03/06	02:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/03/06	02:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	03:04:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	03:04:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	03:04:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da

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2020/03/06	03:04:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	03:07:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	03:24:30.0	XRT_Custom_430_OG [0x1ae]			
2020/03/06	03:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	04:32:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	04:32:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	04:32:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	04:32:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	04:35:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	05:01:30.0	XRT_Custom_430_OG [0x1ae]			
2020/03/06	05:02:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	05:44:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	05:44:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	05:44:58.0	XRT_FOCUS_POSITION_406_OG [0x196]			
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/03/06	05:45:18.0	XRT_FLD_DIS_409_OG [0x199]			
		MDP_XRT_FLD_DIS	1	07-F0	d9
2020/03/06	05:45:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]			
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2020/03/06	05:45:22.0	XRT_ARS_DIS_443_OG [0x1bb]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/06	05:47:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2020/03/06	05:48:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	05:54:54.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	05:54:56.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	05:54:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]			
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2020/03/06	05:55:00.0	AOCS_ORe-point_Start_3_OG [0x099]			
		AOCU_NM	5	02-76	01 03 74 01 f3
2020/03/06	05:55:18.0	XRT_FLD_ENA_411_OG [0x19b]			
		MDP_XRT_FLD_ENA	1	07-F0	d8
2020/03/06	05:55:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]			
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/03/06	05:55:22.0	XRT_AEC_RESET_448_OG [0x1c0]			
		MDP_XRT_AEC_RESET	1	07-F0	d0
2020/03/06	05:55:24.0	XRT_ARS_DIS_423_OG [0x1a7]			
		MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/06	05:55:26.0	XRT_FLD_RESET_434_OG [0x1b2]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	05:57:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]			
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2020/03/06	05:57:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/03/06	05:58:00.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	06:12:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	06:12:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	06:12:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	06:12:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	06:15:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	06:39:00.0	XRT_Custom_430_OG [0x1ae]			
2020/03/06	06:40:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	07:52:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	07:52:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	07:52:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	07:52:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	07:55:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	08:16:00.0	XRT_Custom_430_OG [0x1ae]			
2020/03/06	08:17:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	09:32:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	09:32:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	09:32:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	09:32:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]			

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2020/03/06	09:35:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8
2020/03/06	09:52:30.0	XRT_Custom_430_0G [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	09:53:30.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	09:59:54.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	09:59:56.0	XRT_FOCUS_POSITION_410_0G [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2020/03/06	10:00:00.0	AOCS_ORe-point_Start_4_0G [0x09a]	AOCU_NM	5	02-76	00 57 02 01 f3
2020/03/06	10:00:16.0	XRT_FLD_ENA_411_0G [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2020/03/06	10:00:18.0	XRT_FLRCTRL_ENA_412_0G [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/03/06	10:00:20.0	XRT_AEC_RESET_448_0G [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2020/03/06	10:00:22.0	XRT_ARS_DIS_423_0G [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/06	10:00:24.0	XRT_FLD_RESET_426_0G [0x1aa]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	10:02:56.0	XRT_QT_PROG_SET_446_0G [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2020/03/06	10:02:58.0	XRT_FL_PROG_SET_440_0G [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/03/06	10:03:00.0	XRT_CTRL_AUTO_408_0G [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	11:14:00.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	11:14:02.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	11:14:04.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	11:14:06.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	11:17:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	11:21:00.0	XRT_Custom_430_0G [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	11:22:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	15:01:30.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	15:01:32.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	15:01:34.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	15:01:36.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	15:04:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	15:08:30.0	XRT_Custom_430_0G [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	15:09:30.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	16:34:30.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	16:34:32.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	16:34:34.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/06	16:34:36.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/06	16:37:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	16:58:00.0	XRT_Custom_430_0G [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/06	16:59:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	17:46:54.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	17:46:56.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	17:46:58.0	XRT_FOCUS_POSITION_406_0G [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/03/06	17:47:00.0	AOCS_ORe-point_Start_2_0G [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2020/03/06	17:47:18.0	XRT_FLD_DIS_409_0G [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2020/03/06	17:47:20.0	XRT_FLRCTRL_DIS_413_0G [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2020/03/06	17:47:22.0	XRT_ARS_DIS_443_0G [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/06	17:49:58.0	XRT_QT_PROG_SET_421_0G [0x1a5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 05
2020/03/06	17:50:00.0	XRT_CTRL_AUTO_408_0G [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/06	17:56:54.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	17:56:56.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/06	17:56:58.0	XRT_FOCUS_POSITION_410_0G [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2020/03/06	17:57:00.0	AOCS_ORe-point_Start_3_0G [0x099]	AOCU_NM	5	02-76	01 03 74 01 f3

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2020/03/06	17:57:18.0	XRT_FLD_ENA_411_0G [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/03/06	17:57:20.0	XRT_FLRCTRL_ENA_412_0G [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/03/06	17:57:22.0	XRT_AEC_RESET_448_0G [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/03/06	17:57:24.0	XRT_ARS_DIS_423_0G [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/03/06	17:57:26.0	XRT_FLD_RESET_434_0G [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	17:59:56.0	XRT_QT_PROG_SET_438_0G [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2020/03/06	17:59:58.0	XRT_FL_PROG_SET_440_0G [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/03/06	18:00:00.0	XRT_CTRL_AUTO_408_0G [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/03/06	18:11:00.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	18:11:02.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	18:11:04.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	18:11:06.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/03/06	18:14:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/03/06	18:34:30.0	XRT_Custom_430_0G [0x1ae]					
2020/03/06	18:35:30.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/03/06	19:48:00.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	19:48:02.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	19:48:04.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	19:48:06.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/03/06	19:51:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/03/06	20:11:00.0	XRT_Custom_430_0G [0x1ae]					
2020/03/06	20:12:00.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/03/06	21:25:00.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	21:25:02.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	21:25:04.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	21:25:06.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/03/06	21:28:14.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/03/06	21:48:30.0	XRT_Custom_430_0G [0x1ae]					
2020/03/06	21:49:30.0	XRT_CTRL_AUTO_424_0G [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/03/06	22:58:00.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	23:00:00.0	AOCS_ORe-point_Start_5_0G [0x09b]	AOCU_NM	5	02-76	04	00 00 00 00
2020/03/06	23:02:30.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	23:02:32.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	23:02:34.0	XRT_FLD_RESET_415_0G [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	23:02:36.0	XRT_PREFLR_STRT_435_0G [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2020/03/06	23:05:44.0	XRT_PREFLR_STOP_419_0G [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2020/03/06	23:24:00.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	23:24:02.0	XRT_CTRL_MANU_402_0G [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2020/03/06	23:24:04.0	XRT_FOCUS_POSITION_410_0G [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22	fe 97 00
2020/03/06	23:24:24.0	XRT_FLD_ENA_411_0G [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2020/03/06	23:24:26.0	XRT_FLRCTRL_ENA_412_0G [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2020/03/06	23:24:28.0	XRT_AEC_RESET_448_0G [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2020/03/06	23:24:30.0	XRT_ARS_DIS_423_0G [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2020/03/06	23:24:32.0	XRT_FLD_RESET_434_0G [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da	
2020/03/06	23:27:02.0	XRT_QT_PROG_SET_438_0G [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	0b
2020/03/06	23:27:04.0	XRT_FL_PROG_SET_440_0G [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d
2020/03/06	23:27:06.0	XRT_CTRL_AUTO_408_0G [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2020/03/07	00:40:00.0	XRT_CTRL_MANU_400_0G [0x190]	MDP_XRT_CTRL MANU	1	07-F0	c1	

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2020/03/07	00:40:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	00:40:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/07	00:40:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/07	00:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/07	00:49:00.0	XRT_Custom_430_OG [0x1ae]				
2020/03/07	00:50:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/07	01:56:40.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	02:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00
2020/03/07	02:04:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	02:04:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	02:04:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/07	02:04:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/07	02:07:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/07	02:22:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	02:22:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	02:22:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/03/07	02:22:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2020/03/07	02:22:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2020/03/07	02:22:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2020/03/07	02:22:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/07	02:22:56.0	XRT_FLD_RESET_434_OG [0x1b2]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/07	02:25:26.0	XRT_QT_PROG_SET_442_OG [0x1ba]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 04
2020/03/07	02:25:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2020/03/07	02:25:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/07	03:38:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	03:38:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	03:38:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/07	03:38:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/07	03:41:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/07	03:59:00.5	XRT_Custom_430_OG [0x1ae]				
2020/03/07	04:00:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/07	05:08:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	05:08:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	05:08:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2020/03/07	05:08:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2020/03/07	05:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2020/03/07	05:36:30.0	XRT_Custom_430_OG [0x1ae]				
2020/03/07	05:37:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/07	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	05:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2020/03/07	06:00:18.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2020/03/07	06:00:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2020/03/07	06:00:22.0	XRT_ARS_DIS_443_OG [0x1bb]	MDP_XRT_ARS_DIS	1	07-F0	d5
2020/03/07	06:02:58.0	XRT_QT_PROG_SET_420_OG [0x1a4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 13
2020/03/07	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2020/03/07	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2020/03/07	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1

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2020/03/07	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]		
		XRT_FOCUS_POSITION	4	07-F8 22 fe 97 00
2020/03/07	06:10:00.0	AOCs_ORe-point_Start_3_OG [0x099]		
		AOCU_NM	5	02-76 01 03 74 01 f3
2020/03/07	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]		
		MDP_XRT_FLD_ENA	1	07-F0 d8
2020/03/07	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]		
		MDP_XRT_FLRCTRL_ENA	1	07-F0 c8
2020/03/07	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]		
		MDP_XRT_AEC_RESET	1	07-F0 d0
2020/03/07	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]		
		MDP_XRT_ARS_DIS	1	07-F0 d5
2020/03/07	06:10:26.0	XRT_FLD_RESET_434_OG [0x1b2]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2020/03/07	06:12:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]		
		MDP_XRT_QT_PROG_SET	2	07-F0 c4 0b
2020/03/07	06:12:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]		
		MDP_XRT_FL_PROG_SET	2	07-F0 c5 0d
2020/03/07	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2020/03/07	06:48:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	06:48:02.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	06:48:04.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2020/03/07	06:48:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2020/03/07	06:51:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2020/03/07	07:14:00.0	XRT_Custom_430_OG [0x1ae]		
2020/03/07	07:15:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2020/03/07	08:28:30.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	08:28:32.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	08:28:34.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2020/03/07	08:28:36.0	XRT_PREFLR_STRT_435_OG [0x1b3]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2020/03/07	08:31:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2020/03/07	08:51:00.0	XRT_Custom_430_OG [0x1ae]		
2020/03/07	08:52:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2020/03/07	10:08:00.0	XRT_CTRL_MANU_400_OG [0x190]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	10:08:02.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	10:08:04.0	XRT_FLD_RESET_415_OG [0x19f]		
		MDP_XRT_FLD_RESET	1	07-F0 da
2020/03/07	10:08:06.0	XRT_PREFLR_STRT_435_OG [0x1b3]		
		MDP_XRT_PREFLR_STRT	1	07-F0 e8
2020/03/07	10:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]		
		MDP_XRT_PREFLR_STOP	1	07-F0 e9
2020/03/07	10:26:00.0	XRT_Custom_430_OG [0x1ae]		
2020/03/07	10:27:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]		
		MDP_XRT_CTRL_AUTO	1	07-F0 c0
2020/03/07	10:54:10.0	XRT_CTRL_MANU_402_OG [0x192]		
		MDP_XRT_CTRL_MANU	1	07-F0 c1
2020/03/07	11:15:00.5	AOCs_ORe-point_Start_2_OG [0x098]		
		AOCU_NM	5	02-76 00 00 00 00 00