

# XRT Timeline to be uploaded on 2016/12/24

Period: 2016/12/24 10:41:00 - 2016/12/29 12:29:00

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## Normal mode

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XOB #1B62: QS (Filter-Ratio with Al/poly and Al/mesh), 512x384FOV at 1064, 1048 with G-band (3ms/3ms leak) 30s cad - AECO												
Term	Pointing (x, y)							Comment				
12/24 10:54:00 - 12/24 12:48:54	Fixed ( 0.0, 920.0)	# OP start + 10min N-pole										
12/24 18:11:30 - 12/25 05:20:00	Fixed ( 0.0, 920.0)	# N-pole										
12/25 06:13:00 - 12/25 12:49:54	Fixed ( 0.0, 920.0)	# N-pole										
12/25 20:23:00 - 12/26 05:28:54	Fixed ( 0.0, 920.0)	# N-pole										
12/26 05:42:00 - 12/26 17:55:00	Fixed ( 0.0, 920.0)	# N-pole										
<b>PROG= 02 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 56 1-time(s) 2.0sec												
└─ Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 14 1-time(s) 30.0sec												
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	8.00s	Obs	1x1	512x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	5.66s	Obs	1x1	512x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 90 30-time(s) 30.0sec												
└─ Open/Al-mesh	Open/thick-Al	close	Safe	Norm	5.66s	Obs	1x1	512x384 (1064, 1048)	Q=95	0	0	2.0sec
└─ Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs	1x1	512x384 (1064, 1048)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B5B: QS (Filter-Ratio with Al/poly and Al/mesh), 384FOV at 1064, 1048 with G-band (3ms/3ms leak) 30s cad - AECO- HOP328-2												
Term	Pointing (x, y)							Comment				
12/24 12:52:00 - 12/24 17:58:24	Fixed ( 0.0, 920.0)	# HOP 328 with ALMA (13-16 UT), N-pole										
12/25 12:53:00 - 12/25 20:09:54	Fixed ( 890.0, -310.0)	# HOP 328 with ALMA										
12/26 18:31:30 - 12/27 06:02:54	Fixed ( 0.0, 920.0)	# N-pole										
12/27 06:16:00 - 12/27 09:53:54	Fixed ( 0.0, 920.0)	# N-pole										
<b>PROG= 20 Inf.-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 56 1-time(s) 2.0sec												
└─ Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Open/G-band	Open/G-band	close	Safe	Norm	3ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec												
└─ Seqn= 37 30-time(s) 30.0sec												
└─ Open/Al-mesh	Open/thick-Al	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=95	0	0	2.0sec
└─ Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1B14: Synoptic Q95 2x2 - Al/mesh(24/256/2897) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Al-poly(45/512/4096) + T												
Term	Pointing (x, y)							Comment				
12/24 18:01:30 - 12/24 18:08:24	Fixed ( 0.0, 0.0)	synoptic, shifted -1.5 min										
12/25 06:03:00 - 12/25 06:09:54	Fixed ( 0.0, 0.0)	synoptic										
12/25 20:13:00 - 12/25 20:19:54	Fixed ( 0.0, 0.0)	synoptic										
12/26 05:32:00 - 12/26 05:38:54	Fixed ( 0.0, 0.0)	synoptic, shifted -31.0 min										
12/26 18:21:30 - 12/26 18:28:24	Fixed ( 0.0, 0.0)	synoptic, shifted 18.5 min										
12/27 06:06:00 - 12/27 06:12:54	Fixed ( 0.0, 0.0)	synoptic, shifted 3.0 min										
<b>PROG= 14 1-time(s)</b>												
└─ Subr= 1 1-time(s) 2.0sec												
└─ Seqn= 5 1-time(s) 2.0sec												
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
└─ Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 1 1-time(s) 2.0sec												
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 99 1-time(s) 2.0sec												
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	44ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Al-poly/Open	Al-poly/Open	close	Safe	Norm	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 67 1-time(s) 2.0sec												
└─ 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
└─ Seqn= 54 1-time(s) 2.0sec												
└─ Open/G-band	Open/G-band	open	Safe	Norm	3ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
└─ Open/G-band	Open/G-band	close	Safe	Norm	3ms	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 #1AE7: Flare - multifilter 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
12/24 10:54:00 - 12/24 12:48:54	Fixed ( 0.0, 920.0)	# OP start + 10min N-pole
12/24 12:52:00 - 12/24 17:58:24	Fixed ( 0.0, 920.0)	# HOP 328 with ALMA (13-16 UT), N-pole
12/24 18:11:30 - 12/25 05:20:00	Fixed ( 0.0, 920.0)	# N-pole
12/25 06:13:00 - 12/25 12:49:54	Fixed ( 0.0, 920.0)	# N-pole
12/25 12:53:00 - 12/25 20:09:54	Fixed ( 890.0, -310.0)	# HOP 328 with ALMA
12/25 20:23:00 - 12/26 05:28:54	Fixed ( 0.0, 920.0)	# N-pole
12/26 05:42:00 - 12/26 17:55:00	Fixed ( 0.0, 920.0)	# N-pole
12/26 18:31:30 - 12/27 06:02:54	Fixed ( 0.0, 920.0)	# N-pole
12/27 06:16:00 - 12/27 09:53:54	Fixed ( 0.0, 920.0)	# N-pole

**PROG= 07 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= 84	1-time(s)	2.0sec
Open/G-band	Open/G-band open	Safe Norm 3ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/G-band	Open/G-band close	Safe Norm 3ms Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close	Safe Dark 1.00s Obs 1x1 384x384 (1024, 1024) Q=98 0 0 2.0sec
Open/thick-Al	Open/thick-Al close	Safe Dark 1.00s Obs 2x2 512x512 (1024, 1024) Q=98 0 0 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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### Active Region Search

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NOT USED

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### Flare Detection

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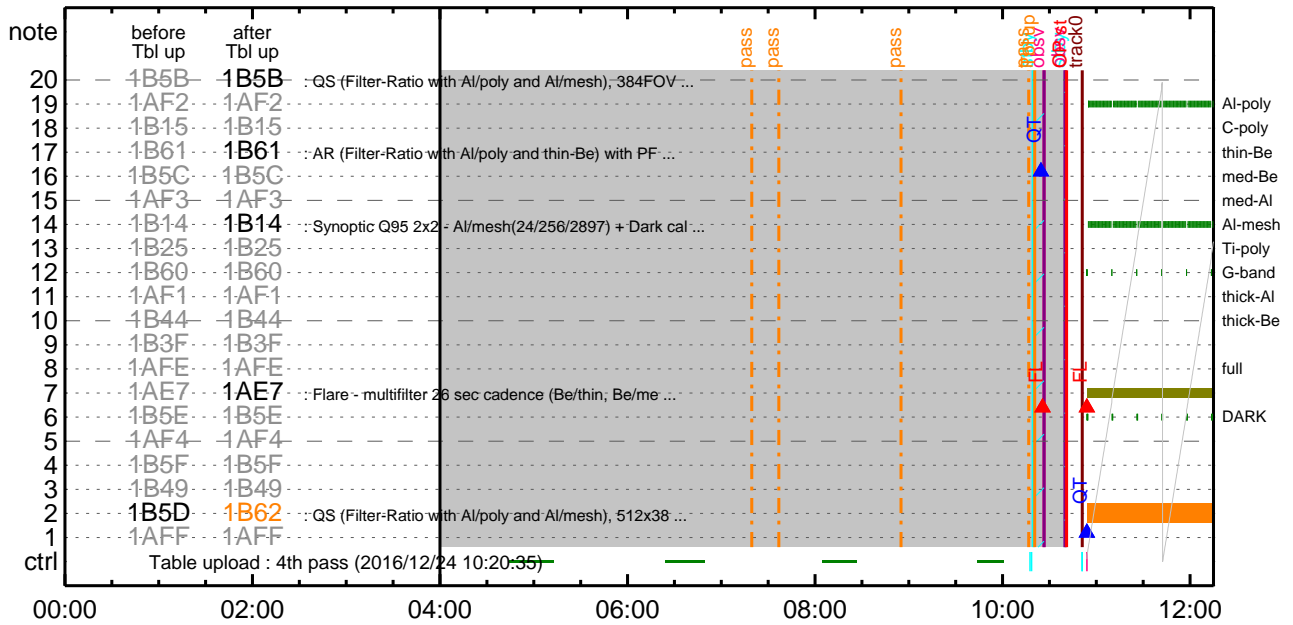
#### FLD Patrol

Term	Pointing (x, y)	Comment
12/24 18:08:48 - 12/25 06:00:18	Fixed ( 0.0, 920.0)	# N-pole
12/25 06:10:18 - 12/25 20:10:18	Fixed ( 0.0, 920.0)	# N-pole
12/25 20:20:18 - 12/26 05:29:18	Fixed ( 0.0, 920.0)	# N-pole
12/26 05:39:18 - 12/26 18:18:48	Fixed ( 0.0, 920.0)	# N-pole
12/26 18:28:48 - 12/27 06:03:18	Fixed ( 0.0, 920.0)	# N-pole
12/27 06:13:18 - 12/29 12:29:00	Fixed ( 0.0, 920.0)	# N-pole

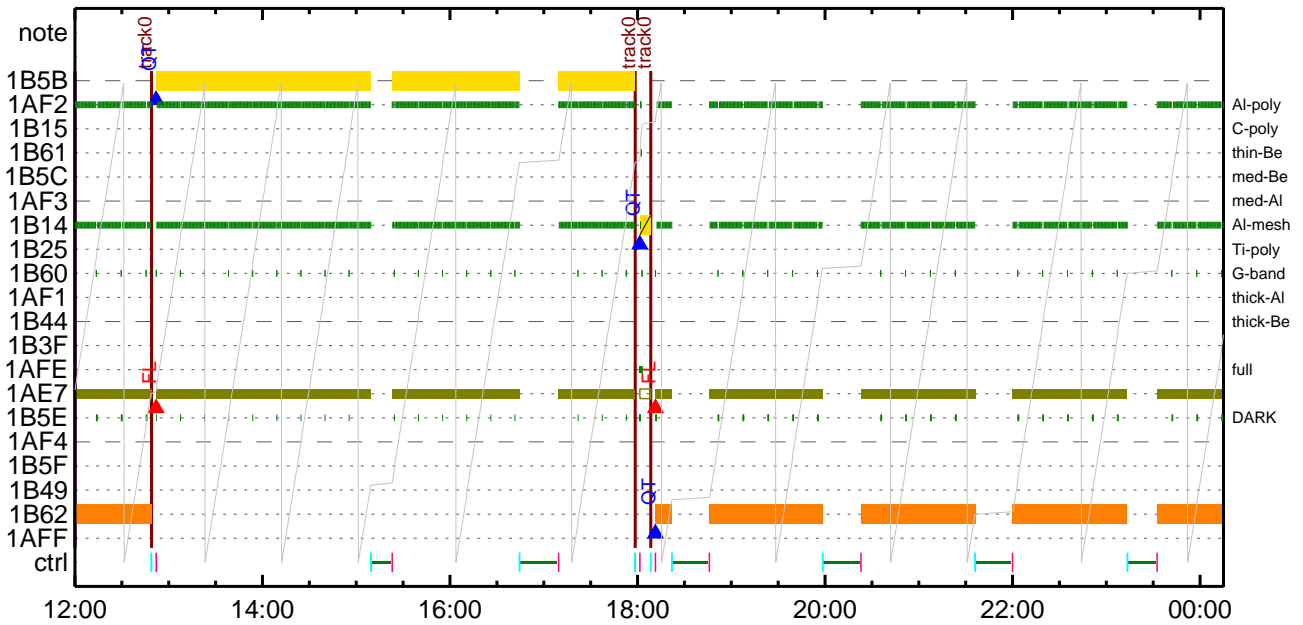
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8	Q=50	30sec
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Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval
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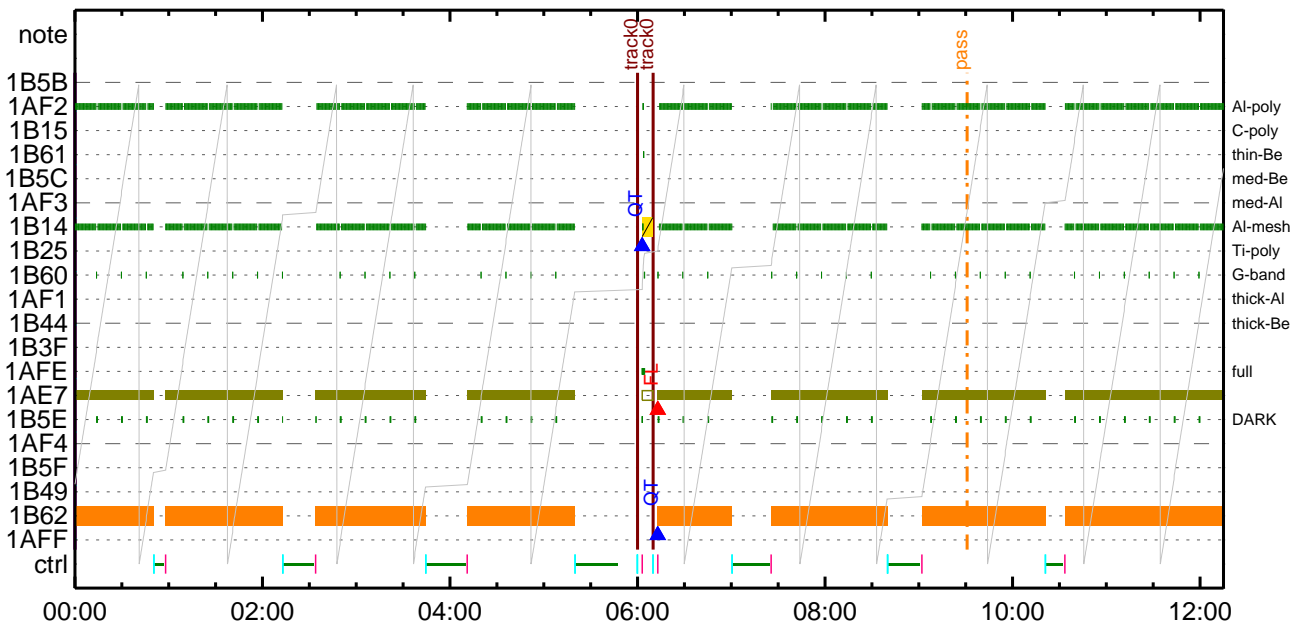
### CMDI #0423 2016/12/24



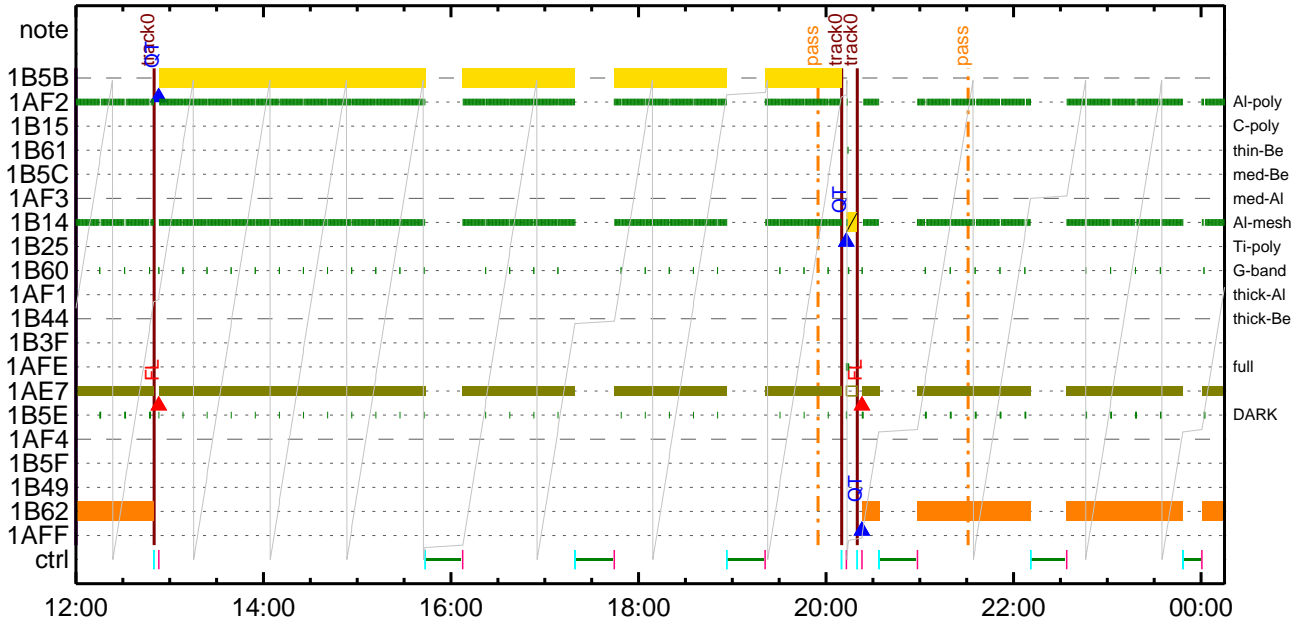
### CMDI #0423 2016/12/24



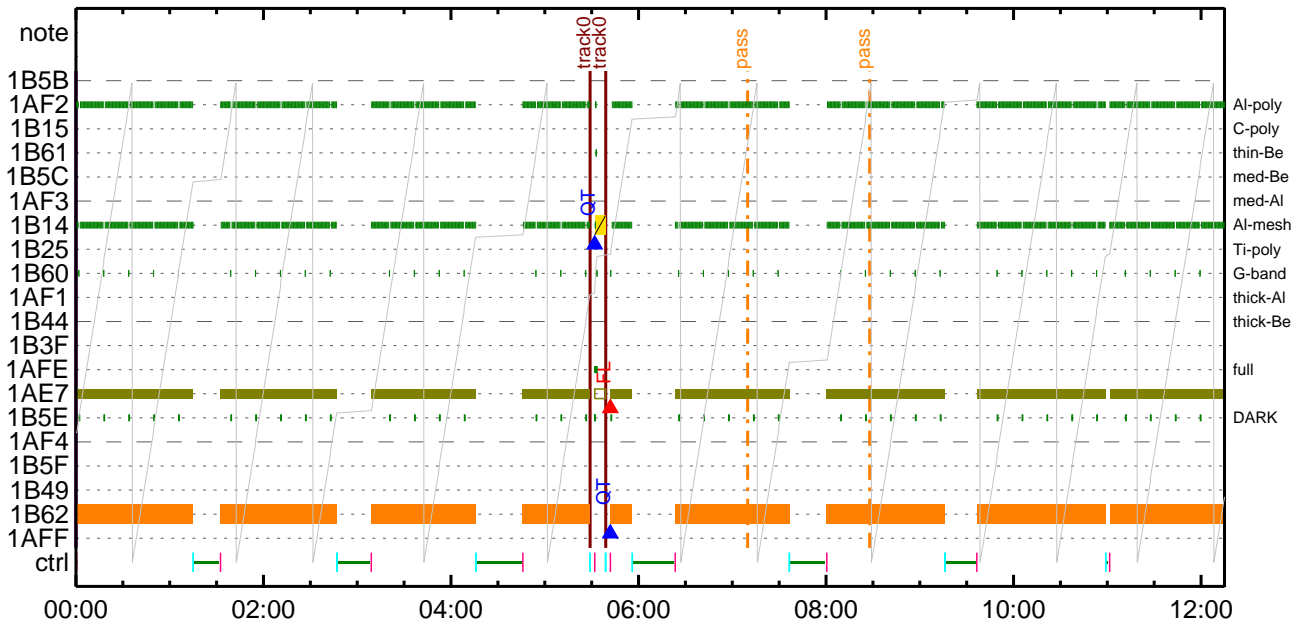
### CMDI #0423 2016/12/25



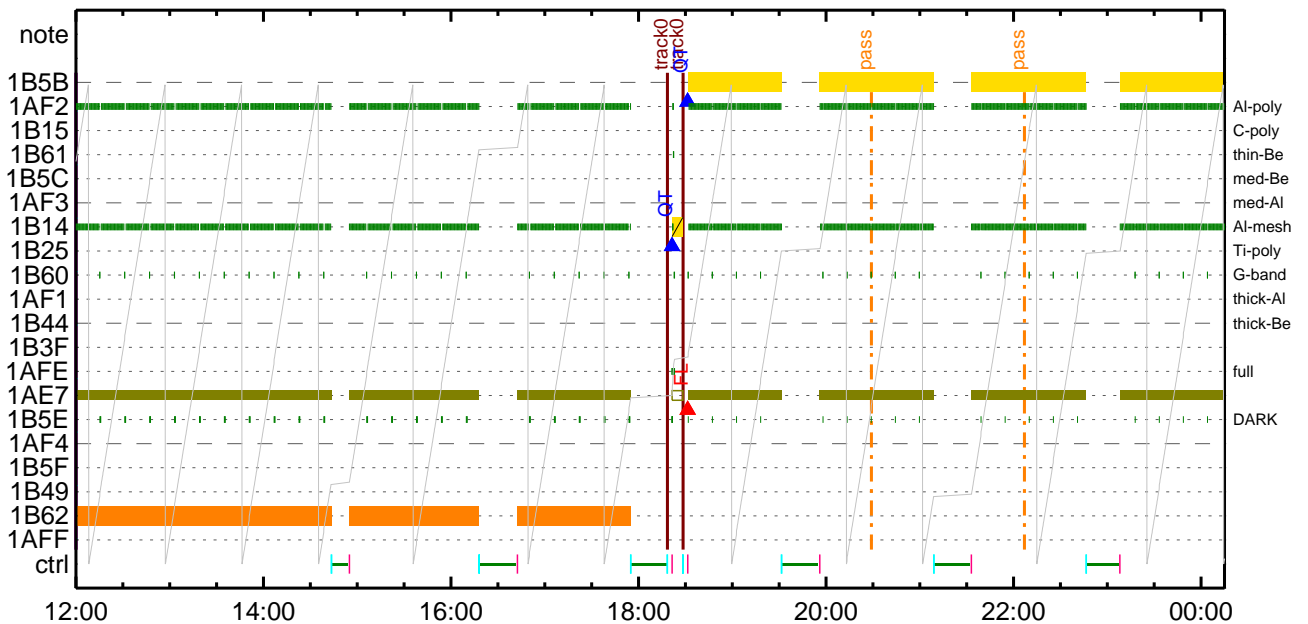
CMDI #0423 2016/12/25



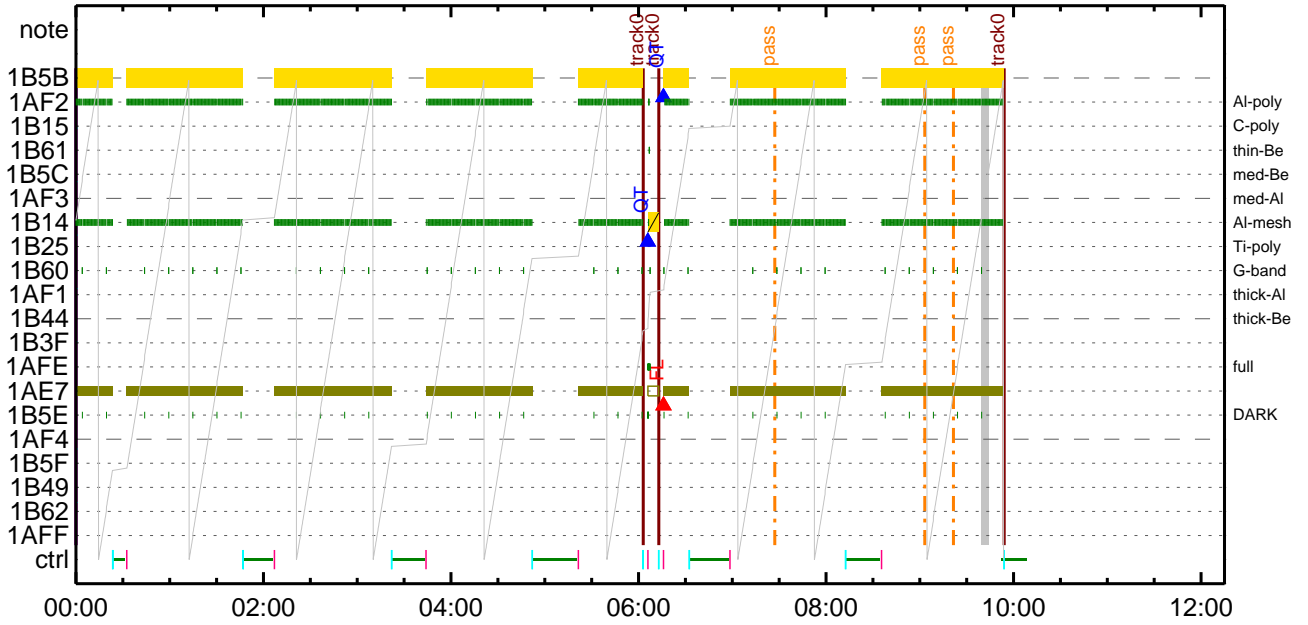
CMDI #0423 2016/12/26



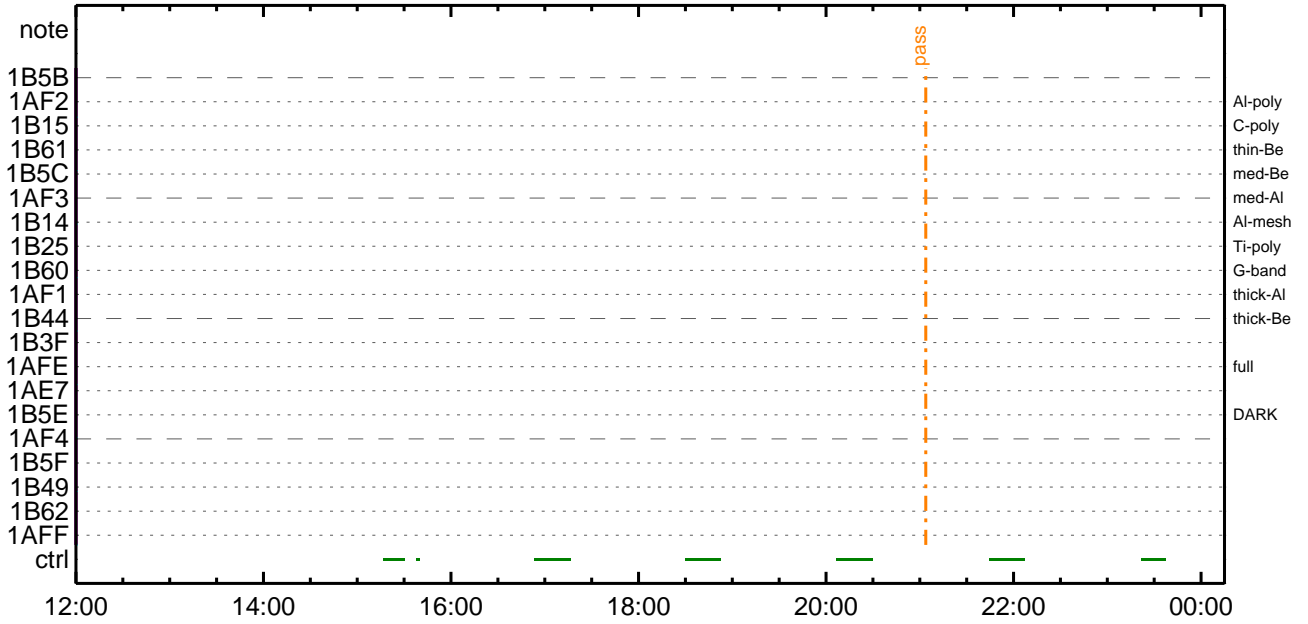
CMDI #0423 2016/12/26



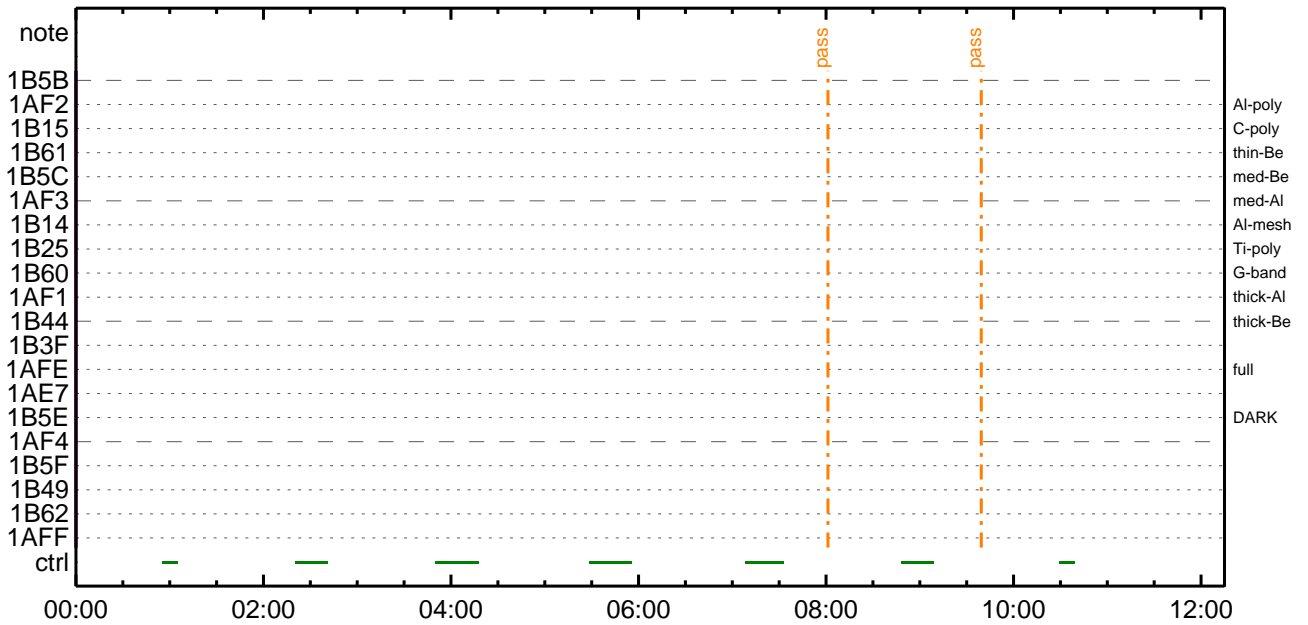
CMDI #0423 2016/12/27



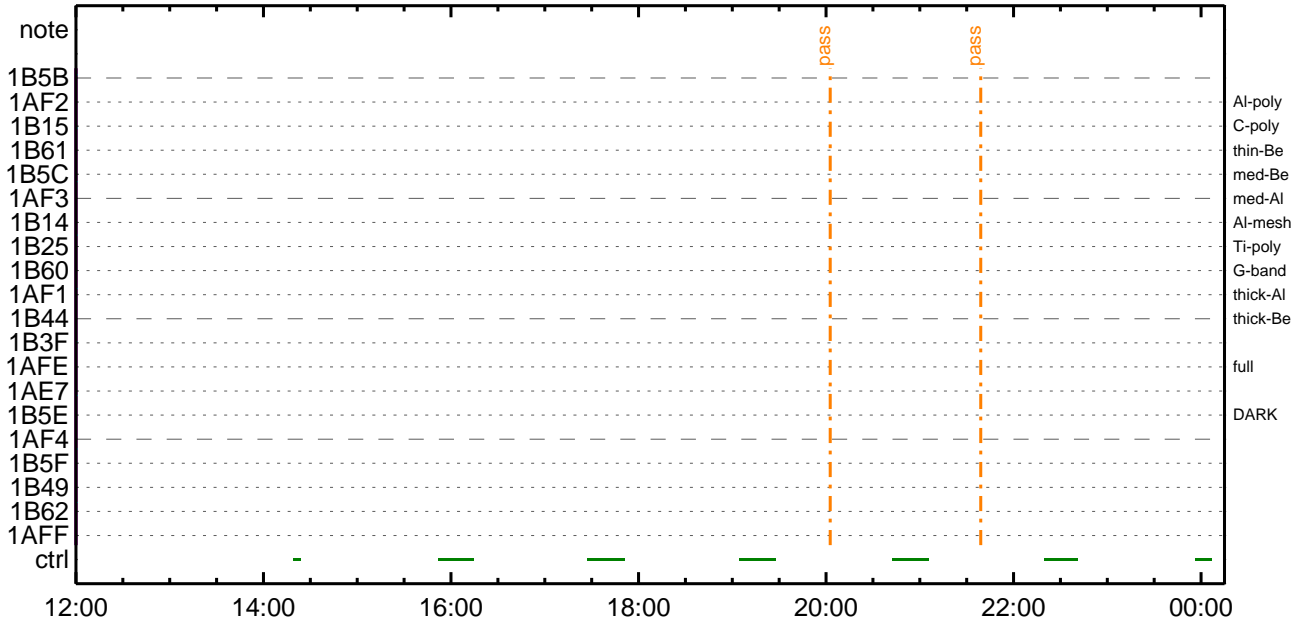
CMDI #0423 2016/12/27



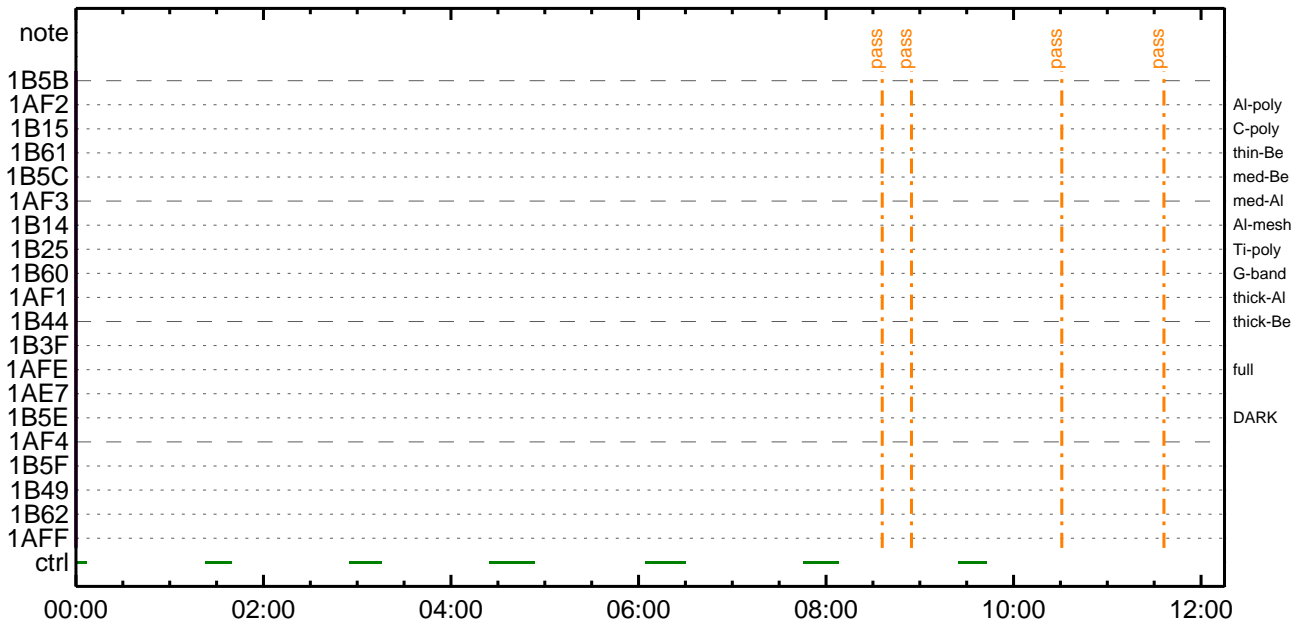
CMDI #0423 2016/12/28



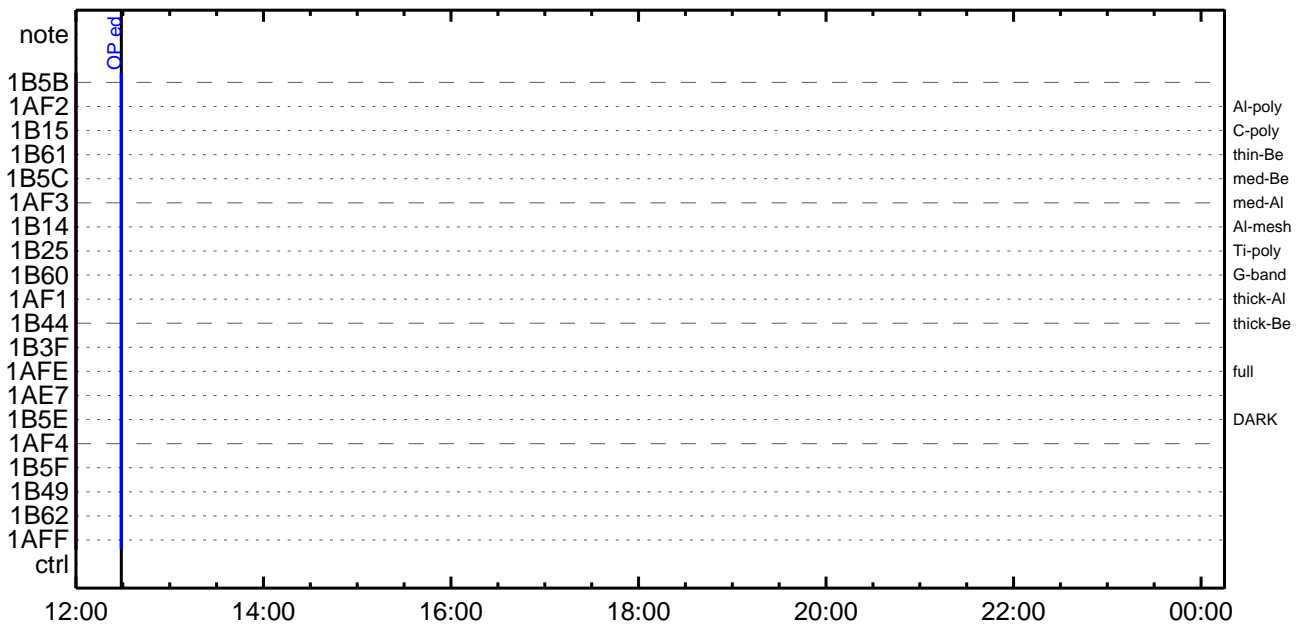
CMDI #0423 2016/12/28



CMDI #0423 2016/12/29



CMDI #0423 2016/12/29





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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-322:OP
0104 ( )
0105 S. OG og-322:OG
0106 ( )
0107 C.
0108 C. ;ãNMOG&OPîî°è¥ÅYóYx;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. ¥ÅYóYx½ªî»ò³îÇ§
0125 C. çç[HK1_DMP_CHK_FLG] EQ NON
0126 C. RAM ID=NMOG²î¼E¹ç•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. ¥ÅYóYx½ªî»ò³îÇ§
0144 C. çç[HK1_DMP_CHK_FLG] EQ NON
0145 C. RAM ID=NMOG²î¼E¹ç•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. ¥ÅYóYx½ªî»ò³îÇ§
0163 C. çç[HK1_DMP_CHK_FLG] EQ NON
0164 C. RAM ID=NMOG, RAM ID=OP²î¼E¹ç•è²îOK²³îÇ§
0165 C.
0166 C. ***** °E²¼²î¼E¹ç•è²îOK²³îÇ§ *****
0167 C. DHU¥â;¼YE;E¼Y½, ¥î;¼YE;Eòîã¹
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÷ç@NG²î¼E¹ç•è²¼²îTI-CMDÁ÷ç²î¼E¹Ô²•²E²³²E;f
0180 C. ²²²ç;çSET²E²DUMP²îE²±²îY²¹²ç¹Ô²|²³²E;f
0181 C.
0182 C. TIY³Y²YóYE²ò²ÁDîç(UT)
0183 +. TI 2016-12-24 10:36:00.0
0184 DC 01-B3 DHU_OP_STOP
0185 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0186 C.
0187 +. TI 2016-12-24 10:36:01.0
0188 DC 01-B4 DHU_OP_COPY
0189 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP
0190 C.
0191 +. TI 2016-12-24 10:36:01.0
0192 DC 01-B5 DHU_OPOG_COPY
0193 C. çç[HK1_TI_CMD_NUM] EQ 1COUNTUP

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(a) Spacecraft Operation Procedure (real-commands)

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main-323 2016-12-24 15:24:23 140 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY~¼Á»Û;ã
0005 C.
0006 C. YÀYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCs : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿ðÁð•µ°È»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈè%µ•íÉ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøøøøÈ;f
0011 +. DC 02-8E AOCU_ORB_UPD
0012 C.
0013 C.
0014 . C. Enable mode change command
0015 +. DC 07-FC EIS_MODE_CHG_ENA
0016 BC (20)
0017 C. Confirm EIS_MODE_CHG_FLG = ENA
0018 . C. Change mode to STBY
0019 +. DC 07-FC EIS_MODE_STBY
0020 BC (21 01)
0021 C. Wait 5sec and confirm EIS_MODE = STBY
0022 C. Reset the ICU and perform code loading from EEPROM 0 to RAM
0023 C. The reset command must be send twice, no pause - Critical command
0024 . C. RESET ICU
0025 +. DC 07-FC EIS_ICU_SOFT_RESET
0026 BC (f5)
0027 +. DC 07-FC EIS_ICU_SOFT_RESET
0028 BC (f5)
0029 . C. Confirm that the ICU is in BOOT mode (EIS_MODE = BOOT)
0030 C. Copy ICU software from EEPROM 0 to ICU RAM
0031 +. DC 07-FC EIS_COPY_ICU_SW0
0032 BC (2b 00)
0033 C. Confirm EIS_CMD_BC1/_BC2 = 0x 2B 00
0034 C.
0035 C. Change EIS mode to STBY
0036 +. DC 07-FC EIS_MODE_STBY
0037 BC (21 01)
0038 C. Confirm EIS_MODE = STBY
0039 C. Confirm ICU_SW_MAIN_ID=0x02, ICU_SW_SUB_ID=0x03
0040 C.
0041 +. DC 07-F0 MDP_STS_EIS_ERR_CLR
0042 BC (f0)
0043 C. Confirm MDP_STS_EIS_ERR = OK
0044 C.
0045 +. DC 07-FC EIS_ICU_MON_DIS
0046 BC (25 02)
0047 C. Confirm EIS_ICU_MON_FLG = DIS
0048 C.
0049 . C. ### STS_CHK OFF ###
0050 +. DC 07-FC EIS_DUMP_HKTBL
0051 BC (0f 07 00 00 00 02 80)
0052 C. Error happens in comparison at ISAS EGSE.
0053 . C. Register dumped data to ISAS EGSE as default HK memory data
0054 C. Upload RAM-sub ID= 881 (EIS_HKTBL)
0055 . S. RAM ram-881:EIS_HKTBL
0056 ( )
0057 C.
0058 +. DC 07-FC EIS_DUMP_HKTBL
0059 BC (0f 07 00 00 00 02 80)
0060 . C. OK
0061 C. Error must not happen.
0062 . C. ### STS_CHK ON ###
0063 C.
0064 +. DC 07-FC EIS_ICU_MON_ENA
0065 BC (25 01)
0066 C. Confirm EIS_ICU_MON_FLG = ENA
0067 C.
0068 . C. Load ICU MHC parameters
0069 +. DC 07-FC EIS_SET_MHC_OPEPAR
0070 BC (87 02 58 00 01 e0 70 00)
0071 BC (00 80 fc 41)
0072 BC (33 14 6d 00 96 02 bc 06)
0073 BC (f4 01 27)
0074 C. Confirm parameters 0x 00 96 with EIS Java-QL in ISAS 2F operation room
0075 C.
0076 . C. Enable mode change command
0077 +. DC 07-FC EIS_MODE_CHG_ENA
0078 BC (20)
0079 C. Confirm EIS_MODE_CHG_FLG = ENA
0080 C. Change EIS mode to MANU
0081 . C. Change mode to Manual
0082 +. DC 07-FC EIS_MODE_MANU
0083 BC (21 02)
0084 C. Confirm EIS_MODE = MANU
0085 C.
0086 +. DC 07-FC EIS_CAM_IDLE
0087 BC (41)
0088 C. Confirm EIS_CAM_VLD_FLG = VLD
0089 C.
0090 C. MHC in PROM mode
0091 +. DC 07-FC EIS_MHC_WATDOG_ENA
0092 BC (76 c0 a9 00 02 00 01)
0093 C.
0094 . C. End RESET ICU and MANU MODE in MHC PROM mode
0095 C.
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0096 . C. LOAD MHC code from EEPROM bank 3d to MHC RAM
0097 +. DC 07-FC EIS_LOAD_MHC_SOFT3
0098 BC (2c 03)
0099 C. Confirm EIS_MHC_LOAD_STS = LOAD
0100 . C. It takes 2 min to complete.
0101 C. Confirm EIS_MHC_LOAD_STS = IDLE
0102 C.
0103 +. DC 07-FC EIS_DUMP_MHCRAM
0104 BC (0a 07 00 00 00 80 00)
0105 C. Confirm EIS_MEM_DUMP_STS = DUMP
0106 . C. It takes 2 min to complete.
0107 C. New: Confirm EIS_MEM_DUMP_STS = IDLE
0108 C.
0109 +. DC 07-FC EIS_MHC_MODE_RAM
0110 BC (6b 88 11 00 02 ff ff)
0111 C. Wait 10sec: interval is required after EIS_MHC_MODE_RAM.
0112 C.
0113 +. DC 07-FC EIS_MHC_ABORT
0114 BC (51 e8 81)
0115 C.
0116 C. Confirm EIS_MHC_VLD_FLG = VLD, EIS_MHC_MEM_MODE = RAM
0117 C.
0118 +. DC 07-FC EIS_CLR_ICU_ERR
0119 BC (23)
0120 C. Confirm EIS_MHC_IF_ERR= 0x0000
0121 C. Confirm EIS_CAM_IF_ERR= 0x0000
0122 C.
0123 +. DC 07-FC EIS_MHC_WATDOG_ENA
0124 BC (76 c0 a9 00 02 00 01)
0125 C.
0126 . C. ***** MDP `ûÃîñî»ö%ÝðÊÃð¹ñèDCBC•x²è *****
0127 . C. (%Á°îÝÓÝÃÝÈÝÞÝËÝÁÝÇÝèñÈ½¼ñ¼Ã»Ûñ¹ñè)
0128 . S. DC-BC dcbc-402:DCBC
0129 (MDP_known_event)
0130 C.
0131 C.
0132 . C. ***** ¥D¥¹•Ï Daily±¿ÍÑñÈ´Øñ¹ñèDCBC•x²è *****
0133 . S. DC-BC dcbc-153:DCBC
0134 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0135 C.
0136 C.
0137 . C. ¡ãLOS¥Á¥$¥Ã¥¬¼Ã»Û;ã
0138 C.
0139 . C. ***** LOS *****
0140 C.

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0096 C.
0097 C.
0098 . C. ***** AOCs Commands (Tracking Curve Upload) *****
0099 C. Upload the Orbit Element and the Target Attitude
0100 C. RAM-ID:TARGET_ATT
0101 . S. RAM ram-150:TARGET_ATT
0102 ( )
0103 C.
0104 C.
0105 C. Set the dump memory area of TARGET_ATT
0106 +. DC 02-48 AOCU_DUMP_SET
0107 BC (07 00 00 00 18 00)
0108 C.
0109 C. <A_STS1>[MEMORY OPERATE STATUS] 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 MHC code from EEPROM bank 3d to MHC RAM
0130 +. DC 07-FC EIS_LOAD_MHC_SOFT3
0131 BC (2c 03)
0132 C. Confirm EIS_MHC_LOAD_STS = LOAD
0133 . C. It takes 2 min to complete.
0134 C. Confirm EIS_MHC_LOAD_STS = IDLE
0135 C.
0136 +. DC 07-FC EIS_DUMP_MHCRAM
0137 BC (0a 07 00 00 00 80 00)
0138 C. Confirm EIS_MEM_DUMP_STS = DUMP
0139 . C. It takes 2 min to complete.
0140 C. New: Confirm EIS_MEM_DUMP_STS = IDLE
0141 C.
0142 +. DC 07-FC EIS_MHC_MODE_RAM
0143 BC (6b 88 11 00 02 ff ff)
0144 C. Wait 10sec: interval is required after EIS_MHC_MODE_RAM.
0145 C.
0146 +. DC 07-FC EIS_MHC_ABORT
0147 BC (51 e8 81)
0148 C.
0149 C. Confirm EIS_MHC_VLD_FLG = VLD, EIS_MHC_MEM_MODE = RAM
0150 C.
0151 +. DC 07-FC EIS_CLR_ICU_ERR
0152 BC (23)
0153 C. Confirm EIS_MHC_IF_ERR= 0x0000
0154 C. Confirm EIS_CAM_IF_ERR= 0x0000
0155 C.
0156 +. DC 07-FC EIS_MHC_WATDOG_ENA
0157 BC (76 c0 a9 00 02 00 01)
0158 C. Config MHC heaters - Default setting -
0159 +. DC 07-FC EIS_UPLOAD_MHCPAR
0160 BC (6f c0 95 00 04 21 2e 24)
0161 BC (92)
0162 + DC 07-FC EIS_UPLOAD_MHCPAR
0163 BC (6f c0 95 00 04 c9 af 36)
0164 BC (db)
0165 + DC 07-FC EIS_UPLOAD_MHCPAR
0166 BC (6f c0 95 00 04 a9 30 24)
0167 BC (92)
0168 + DC 07-FC EIS_UPLOAD_MHCPAR
0169 BC (6f c0 95 00 04 41 b1 36)
0170 BC (db)
0171 + DC 07-FC EIS_UPLOAD_MHCPAR
0172 BC (6f c0 95 00 04 81 b2 12)
0173 BC (49)
0174 + DC 07-FC EIS_UPLOAD_MHCPAR
0175 BC (6f c0 95 00 04 69 33 24)
0176 BC (92)
0177 + DC 07-FC EIS_UPLOAD_MHCPAR
0178 BC (6f c0 95 00 04 e1 b4 12)
0179 BC (49)
0180 + DC 07-FC EIS_UPLOAD_MHCPAR
0181 BC (6f c0 95 00 04 09 35 1b)
0182 BC (6d)
0183 + DC 07-FC EIS_UPLOAD_MHCPAR
0184 BC (6f c0 95 00 04 c9 36 09)
0185 BC (24)
0186 + DC 07-FC EIS_UPLOAD_MHCPAR
0187 BC (6f c0 95 00 04 21 b7 09)
0188 BC (24)
0189 + DC 07-FC EIS_UPLOAD_MHCPAR
0190 BC (6f c0 95 00 04 21 b8 24)
0191 BC (92)
0192 + DC 07-FC EIS_UPLOAD_MHCPAR
0193 BC (6f c0 95 00 04 c9 39 00)

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0194 BC (00)
0195 C. Set heaters duty cycle
0196 C.
0197 +. DC 07-FC EIS_UPLOAD_MHCPAR
0198 BC (6f c0 95 00 04 09 3a 03)
0199 BC (e8)
0200 C.
0201 C. Dump MHC parameter table
0202 +. DC 07-FC EIS_DUMP_MHCPAR
0203 BC (0c 07 02 00 00 00 cc)
0204 C.
0205 +. DC 07-FC EIS_OPE_HTR_ALL_ON
0206 BC (6a 28 8d 00 02 0f ff)
0207 C. Confirm EIS_OPE_HTR##_PWR = sometimes ON
0208 C. Enable MHC safe mode (auto-safe)
0209 +. DC 07-FC EIS_MHC_SAFE_ENA
0210 BC (5f c0 9a 00 02 00 01)
0211 C.
0212 C. The next daily plan MUST start with mhc_init, default_htrs1_6, default_htrs7_12, and trace_dump
0213 . C. Initialize the on-board OBSTBL to all 0xFFs in any case
0214 C. Initialize the on-board OBSTBL data to all 0xFF
0215 +. DC 07-FC EIS_LOAD_INIT_TBL1
0216 BC (26 01)
0217 C. Confirm EIS_CMD_BC1/_BC2 = 0x 26 01
0218 C.
0219 C. Dump on-board OBSTBL to the ground
0220 +. DC 07-FC EIS_DUMP_OBSTBL
0221 BC (07 07 07 00 00 70 00)
0222 C. Confirm EIS_MEM_DUMP_STS = DUMP
0223 C. Error happens in comparison at ISAS EGSE.
0224 C.
0225 . C. ### Register dumped data to ISAS EGSE as default OBSTBL memory data ###
0226 . C. Confirm the registration of OBSTBL in the ISAS EGSE to the operator.
0227 C.
0228 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0229 +. DC 07-FC EIS_MODE_CHG_ENA
0230 BC (20)
0231 . C. Verify EIS_MODE_CHG_FLG is ENA
0232 +. DC 07-FC EIS_MODE_MANU
0233 BC (21 02)
0234 . C. Verify EIS in MANUAL mode
0235 . C. Estimated OBSTBL upload time is 4s
0236 C. *****
0237 C. EIS START OBSTBL LOAD
0238 C. *****
0239 . S. RAM ram-820:EIS_OBSTBL
0240 ( )
0241 +. DC 07-FC EIS_DUMP_OBSTBL
0242 BC (07 07 07 00 00 70 00)
0243 C.
0244 C. Execute, after the success of OBSTBL upload.
0245 C. Set EIS TI-commands
0246 +. TI 2016-12-24 10:40:50.0
0247 DC 07-FC EIS_MODE_CHG_ENA
0248 BC (20)
0249 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0250 C. *****
0251 C. EIS END OBSTBL LOAD
0252 C. *****
0253 C.
0254 . C. ***** MDP `úÃîçÍ»ö%ÝðËÄð¹èDCBC•x²è *****
0255 C. (%á°îÿÓYÁYBYBYEYáYçYèèE%¼ð¼Á»Û¹è)
0256 . S. DC-BC dcbc-402:DCBC
0257 (MDP_known_event)
0258 C.
0259 C.
0260 . C. ***** YDÝ¹•İ Daily±çİÑèÉ´Ø¹èDCBC•x²è *****
0261 . S. DC-BC dcbc-153:DCBC
0262 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0263 C.
0264 C.
0265 . C. ;ãLOS¥Á¥$¥Ã¥-¼Á»Û;ä
0266 C.
0267 . C. ***** LOS *****
0268 C.

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0096 +. DC 07-FC EIS_DUMP_MHCRAM
0097 BC (0a 07 00 00 00 80 00)
0098 C. Confirm EIS_MEM_DUMP_STS = DUMP
0099 . C. It takes 2 min to complete.
0100 C. New: Confirm EIS_MEM_DUMP_STS = IDLE
0101 C.
0102 +. DC 07-FC EIS_MHC_MODE_RAM
0103 BC (6b 88 11 00 02 ff ff)
0104 C. Wait 10sec: interval is required after EIS_MHC_MODE_RAM.
0105 C.
0106 +. DC 07-FC EIS_MHC_ABORT
0107 BC (51 e8 81)
0108 C.
0109 C. Confirm EIS_MHC_VLD_FLG = VLD, EIS_MHC_MEM_MODE = RAM
0110 C.
0111 +. DC 07-FC EIS_CLR_ICU_ERR
0112 BC (23)
0113 C. Confirm EIS_MHC_IF_ERR= 0x0000
0114 C. Confirm EIS_CAM_IF_ERR= 0x0000
0115 C.
0116 +. DC 07-FC EIS_MHC_WATDOG_ENA
0117 BC (76 c0 a9 00 02 00 01)
0118 C. Config MHC heaters - Default setting -
0119 +. DC 07-FC EIS_UPLOAD_MHCPAR
0120 BC (6f c0 95 00 04 21 2e 24)
0121 BC (92)
0122 + DC 07-FC EIS_UPLOAD_MHCPAR
0123 BC (6f c0 95 00 04 c9 af 36)
0124 BC (db)
0125 + DC 07-FC EIS_UPLOAD_MHCPAR
0126 BC (6f c0 95 00 04 a9 30 24)
0127 BC (92)
0128 + DC 07-FC EIS_UPLOAD_MHCPAR
0129 BC (6f c0 95 00 04 41 b1 36)
0130 BC (db)
0131 + DC 07-FC EIS_UPLOAD_MHCPAR
0132 BC (6f c0 95 00 04 81 b2 12)
0133 BC (49)
0134 + DC 07-FC EIS_UPLOAD_MHCPAR
0135 BC (6f c0 95 00 04 69 33 24)
0136 BC (92)
0137 + DC 07-FC EIS_UPLOAD_MHCPAR
0138 BC (6f c0 95 00 04 e1 b4 12)
0139 BC (49)
0140 + DC 07-FC EIS_UPLOAD_MHCPAR
0141 BC (6f c0 95 00 04 09 35 1b)
0142 BC (6d)
0143 + DC 07-FC EIS_UPLOAD_MHCPAR
0144 BC (6f c0 95 00 04 c9 36 09)
0145 BC (24)
0146 + DC 07-FC EIS_UPLOAD_MHCPAR
0147 BC (6f c0 95 00 04 21 b7 09)
0148 BC (24)
0149 + DC 07-FC EIS_UPLOAD_MHCPAR
0150 BC (6f c0 95 00 04 21 b8 24)
0151 BC (92)
0152 + DC 07-FC EIS_UPLOAD_MHCPAR
0153 BC (6f c0 95 00 04 c9 39 00)
0154 BC (00)
0155 C. Set heaters duty cycle
0156 C.
0157 +. DC 07-FC EIS_UPLOAD_MHCPAR
0158 BC (6f c0 95 00 04 09 3a 03)
0159 BC (e8)
0160 C.
0161 C. Dump MHC parameter table
0162 +. DC 07-FC EIS_DUMP_MHCPAR
0163 BC (0c 07 02 00 00 00 cc)
0164 C.
0165 +. DC 07-FC EIS_OPE_HTR_ALL_ON
0166 BC (6a 28 8d 00 02 0f ff)
0167 C. Confirm EIS_OPE_HTR##_PWR = sometimes ON
0168 C. Enable MHC safe mode (auto-safe)
0169 +. DC 07-FC EIS_MHC_SAFE_ENA
0170 BC (5f c0 9a 00 02 00 01)
0171 C.
0172 C. The next daily plan MUST start with mhc_init, default_htrs1_6, default_htrs7_12, and trace_dump
0173 . C. Initialize the on-board OBSTBL to all 0xFFs in any case
0174 C. Initialize the on-board OBSTBL data to all 0xFF
0175 +. DC 07-FC EIS_LOAD_INIT_TBL1
0176 BC (26 01)
0177 C. Confirm EIS_CMD_BC1/_BC2 = 0x 26 01
0178 C.
0179 C. Dump on-board OBSTBL to the ground
0180 +. DC 07-FC EIS_DUMP_OBSTBL
0181 BC (07 07 07 00 00 70 00)
0182 C. Confirm EIS_MEM_DUMP_STS = DUMP
0183 C. Error happens in comparison at ISAS EGSE.
0184 C.
0185 . C. ### Register dumped data to ISAS EGSE as default OBSTBL memory data ###
0186 . C. Confirm the registration of OBSTBL in the ISAS EGSE to the operator.
0187 C.
0188 . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0189 +. DC 07-FC EIS_MODE_CHG_ENA
0190 BC (20)
0191 . C. Verify EIS_MODE_CHG_FLG is ENA
0192 +. DC 07-FC EIS_MODE_MANU
0193 BC (21 02)

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0194 . C. Verify EIS in MANUAL mode
0195 . C. Estimated OBSTBL upload time is 4s
0196 C. *****
0197 C. EIS START OBSTBL LOAD
0198 C. *****
0199 . S. RAM ram-820:EIS_OBSTBL
0200 ( )
0201 +. DC 07-FC EIS_DUMP_OBSTBL
0202 BC (07 07 07 00 00 70 00)
0203 C.
0204 C. Execute, after the success of OBSTBL upload.
0205 C. Set EIS TI-commands
0206 +. TI 2016-12-24 10:40:50.0
0207 DC 07-FC EIS_MODE_CHG_ENA
0208 BC (20)
0209 . C. [ ] [HK1_TI_CMD_NUM] EQ 1 COUNTUP
0210 C. *****
0211 C. EIS END OBSTBL LOAD
0212 C. *****
0213 C.
0214 . C. ***** MDP 'úÃîâî»ö¼ÝðÊÂð¹æDCBC•x²è *****
0215 C. (¼â°îÝÓÝÄÝËÝÞÝËÝáÝçÝèæ¼¼¼¼¼»Û¹æè)
0216 . S. DC-BC dcbc-402:DCBC
0217 (MDP_known_event)
0218 C.
0219 C.
0220 . C. ***** ÝÐÝ¹•Ï Daily±¿ÎÑæ'Ø¹æèDCBC•x²è *****
0221 . S. DC-BC dcbc-153:DCBC
0222 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0223 C.
0224 C.
0225 . C. ;ãLOSÝÄÝ§ÝÄÝ¹¼Ä»Û;ä
0226 C.
0227 . C. ***** LOS *****
0228 C.
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Dec 24, 16 15:24

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

2016/12/24	10:50:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	10:50:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	10:50:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2016/12/24	10:51:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 ae 36 00 00		
2016/12/24	10:51:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2016/12/24	10:51:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2016/12/24	10:51:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2016/12/24	10:51:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/12/24	10:51:26.0	XRT_FLD_RESET_433_OG [0x1b1]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/24	10:53:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02		
2016/12/24	10:53:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2016/12/24	10:54:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/24	12:48:54.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	12:48:56.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	12:48:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]					
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2016/12/24	12:49:00.0	AOCS_Ore-point_Start_1_OG [0x097]					
		AOCU_NM	5	02-76	00 ae 36 00 00		
2016/12/24	12:49:18.0	XRT_FLD_ENA_411_OG [0x19b]					
		MDP_XRT_FLD_ENA	1	07-F0	d8		
2016/12/24	12:49:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]					
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2016/12/24	12:49:22.0	XRT_AEC_RESET_448_OG [0x1c0]					
		MDP_XRT_AEC_RESET	1	07-F0	d0		
2016/12/24	12:49:24.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/12/24	12:49:26.0	XRT_FLD_RESET_433_OG [0x1b1]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/24	12:51:56.0	XRT_QT_PROG_SET_446_OG [0x1be]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2016/12/24	12:51:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]					
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2016/12/24	12:52:00.0	XRT_CTRL_AUTO_408_OG [0x198]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/24	15:09:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	15:09:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	15:09:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/24	15:09:36.0	XRT_PREFLR_STRT_414_OG [0x19e]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/24	15:12:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/24	15:22:00.0	XRT_Custom_430_OG [0x1ae]					
2016/12/24	15:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/24	16:44:30.0	XRT_CTRL_MANU_400_OG [0x190]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	16:44:32.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	16:44:34.0	XRT_FLD_RESET_415_OG [0x19f]					
		MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/24	16:44:36.0	XRT_PREFLR_STRT_414_OG [0x19e]					
		MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/24	16:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]					
		MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/24	17:08:30.0	XRT_Custom_430_OG [0x1ae]					
2016/12/24	17:09:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]					
		MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/24	17:58:24.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	17:58:26.0	XRT_CTRL_MANU_402_OG [0x192]					
		MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/24	17:58:28.0	XRT_FOCUS_POSITION_403_OG [0x193]					
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2016/12/24	17:58:30.0	AOCS_Ore-point_Start_2_OG [0x098]					
		AOCU_NM	5	02-76	00 00 00 00 00		
2016/12/24	17:58:48.0	XRT_FLD_DIS_406_OG [0x196]					
		MDP_XRT_FLD_DIS	1	07-F0	d9		
2016/12/24	18:01:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]					
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2016/12/24	18:01:26.0	XRT_ARS_DIS_423_OG [0x1a7]					
		MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/12/24	18:01:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]					
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e		
2016/12/24	18:01:30.0	XRT_CTRL_AUTO_408_OG [0x198]					

2016/12/24	18:08:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/24	18:08:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	18:08:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	18:08:30.0	AOCS_ORe-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/12/24	18:08:48.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 ae 36 00 00
2016/12/24	18:08:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2016/12/24	18:08:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/12/24	18:08:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/12/24	18:08:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/12/24	18:11:26.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/24	18:11:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2016/12/24	18:11:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/12/24	18:22:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/24	18:22:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	18:22:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	18:22:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/24	18:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/24	18:45:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/24	18:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_CTRL_AUTO_424_OG [0x1a8]			
2016/12/24	19:58:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/24	19:58:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	19:58:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	19:58:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/24	20:01:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/24	20:22:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/24	20:23:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_CTRL_AUTO_424_OG [0x1a8]			
2016/12/24	21:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/24	21:36:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	21:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	21:36:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/24	21:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/24	21:59:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/24	22:00:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_CTRL_AUTO_424_OG [0x1a8]			
2016/12/24	23:13:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/24	23:13:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	23:13:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/24	23:13:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/24	23:16:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/24	23:31:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/24	23:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_CTRL_AUTO_424_OG [0x1a8]			
2016/12/25	00:50:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	00:50:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	00:50:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	00:50:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/25	00:53:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/25	00:57:00.5	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/25	00:58:00.5	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_CTRL_AUTO_424_OG [0x1a8]			
2016/12/25	02:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	02:13:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1

2016/12/25	02:13:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	02:13:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/25	02:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/25	02:33:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/25	02:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/25	03:44:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	03:44:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	03:44:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	03:44:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/25	03:47:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/25	04:10:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/25	04:11:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/25	05:20:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	05:20:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	05:20:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	05:20:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/25	05:23:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/25	05:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/25	05:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	05:59:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	06:00:00.0	AOCS_ORe-point_Start_2_OG [0x098]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2016/12/25	06:00:18.0	XRT_FLD_DIS_406_OG [0x196]	AOCU_NM	5	02-76	00 00 00 00 00	
2016/12/25	06:02:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2016/12/25	06:02:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2016/12/25	06:02:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/12/25	06:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2016/12/25	06:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/25	06:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	06:09:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	06:10:00.0	AOCS_ORe-point_Start_1_OG [0x097]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2016/12/25	06:10:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 ae 36 00 00	
2016/12/25	06:10:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/12/25	06:10:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/12/25	06:10:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/12/25	06:10:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/12/25	06:12:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/25	06:12:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02	
2016/12/25	06:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07	
2016/12/25	07:00:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/25	07:00:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	07:00:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	07:00:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/25	07:03:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/25	07:24:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/25	07:25:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/25	08:40:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	08:40:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/25	08:40:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1	

2016/12/25	08:40:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	08:43:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/25	09:01:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	09:02:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	10:21:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	10:21:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	10:21:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	10:21:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/25	10:24:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	10:32:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	10:33:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	12:49:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	12:49:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00		
2016/12/25	12:49:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	AOCU_NM	5	02-76	00 1b 8d b0 e6		
2016/12/25	12:50:00.0	AOCs_OrE-point_Start_3_OG [0x099]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2016/12/25	12:50:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2016/12/25	12:50:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2016/12/25	12:50:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2016/12/25	12:50:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	12:50:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14		
2016/12/25	12:52:56.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07		
2016/12/25	12:52:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	12:53:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	15:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	15:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	15:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/25	15:43:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	15:43:36.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	15:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	16:06:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	16:07:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	17:19:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	17:19:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	17:19:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/25	17:19:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	17:22:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	17:43:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	17:44:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	18:56:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	18:56:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	18:56:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da		
2016/12/25	18:56:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2016/12/25	18:56:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	18:59:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2016/12/25	19:20:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	19:21:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	20:09:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	20:09:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2016/12/25	20:09:58.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00		
2016/12/25	20:09:58.0	XRT_FOCUS_POSITION_403_OG [0x193]	AOCU_NM	5	02-76	00 00 00 00 00		
2016/12/25	20:10:00.0	AOCs_OrE-point_Start_2_OG [0x098]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2016/12/25	20:10:18.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1		

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2016/12/25	20:12:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLD_DIS	1	07-F0	d9
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2016/12/25	20:12:56.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/12/25	20:12:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e
2016/12/25	20:13:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	20:19:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	20:19:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	20:19:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2016/12/25	20:20:00.0	AOCS_Ore-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 ae 36 00 00
2016/12/25	20:20:18.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2016/12/25	20:20:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2016/12/25	20:20:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2016/12/25	20:20:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2016/12/25	20:20:26.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/25	20:22:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2016/12/25	20:22:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/12/25	20:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	20:34:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	20:34:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	20:34:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/25	20:34:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/25	20:37:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/25	20:57:30.0	XRT_Custom_430_OG [0x1ae]				
2016/12/25	20:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	22:11:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	22:11:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	22:11:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/25	22:11:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/25	22:14:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/25	22:33:00.0	XRT_Custom_430_OG [0x1ae]				
2016/12/25	22:34:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/25	23:48:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	23:48:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/25	23:48:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/25	23:48:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/25	23:51:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/25	23:59:30.5	XRT_Custom_430_OG [0x1ae]				
2016/12/26	00:00:30.5	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/26	01:15:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	01:15:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	01:15:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/26	01:15:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/26	01:18:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/26	01:31:30.0	XRT_Custom_430_OG [0x1ae]				
2016/12/26	01:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/26	02:47:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	02:47:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	02:47:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/26	02:47:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8

2016/12/26	02:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/26	03:08:00.0	XRT_Custom_430_OG [0x1ae]							
2016/12/26	03:09:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	04:16:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	04:16:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	04:16:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/26	04:16:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/12/26	04:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/26	04:45:00.0	XRT_Custom_430_OG [0x1ae]							
2016/12/26	04:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	05:28:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:28:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:28:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/12/26	05:29:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/12/26	05:29:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/12/26	05:31:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/12/26	05:31:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/12/26	05:31:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2016/12/26	05:32:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	05:38:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:38:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:38:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/12/26	05:39:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 ae 36 00 00				
2016/12/26	05:39:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/12/26	05:39:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/12/26	05:39:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/12/26	05:39:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/12/26	05:39:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/26	05:41:56.0	XRT_QT_PROG_SET_438_OG [0x1b6]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 02				
2016/12/26	05:41:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/12/26	05:42:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	05:56:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:56:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	05:56:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/26	05:56:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/12/26	05:59:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/26	06:22:30.0	XRT_Custom_430_OG [0x1ae]							
2016/12/26	06:23:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	07:36:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	07:36:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	07:36:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/26	07:36:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/12/26	07:39:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/26	07:59:30.0	XRT_Custom_430_OG [0x1ae]							
2016/12/26	08:00:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/26	09:16:00.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	09:16:02.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/26	09:16:04.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/26	09:16:06.0	XRT_PREFLR_STRT_414_OG [0x19e]							

2016/12/26	09:19:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e8	
2016/12/26	09:35:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/26	09:36:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/26	10:59:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	10:59:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	10:59:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/26	10:59:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/26	11:00:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/26	11:01:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/26	11:02:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	14:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	14:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	14:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/26	14:43:36.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/26	14:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/26	14:54:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/26	14:55:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	16:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	16:18:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	16:18:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/26	16:18:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/26	16:21:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/26	16:41:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/26	16:42:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	17:55:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	17:55:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	17:55:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/26	17:55:06.0	XRT_PREFLR_STRT_414_OG [0x19e]	MDP_XRT_PREFLR_STRT	1	07-F0	e8	
2016/12/26	17:58:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9	
2016/12/26	18:18:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	18:18:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	18:18:28.0	XRT_FOCUS_POSITION_403_OG [0x193]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00	
2016/12/26	18:18:30.0	AOCS_OrE-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	00 00 00 00 00	
2016/12/26	18:18:48.0	XRT_FLD_DIS_406_OG [0x196]	MDP_XRT_FLD_DIS	1	07-F0	d9	
2016/12/26	18:21:24.0	XRT_FLRCTRL_DIS_405_OG [0x195]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9	
2016/12/26	18:21:26.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/12/26	18:21:28.0	XRT_QT_PROG_SET_417_OG [0x1a1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e	
2016/12/26	18:21:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0	
2016/12/26	18:28:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	18:28:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1	
2016/12/26	18:28:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00	
2016/12/26	18:28:30.0	AOCS_OrE-point_Start_1_OG [0x097]	AOCU_NM	5	02-76	00 ae 36 00 00	
2016/12/26	18:28:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8	
2016/12/26	18:28:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8	
2016/12/26	18:28:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0	
2016/12/26	18:28:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5	
2016/12/26	18:28:56.0	XRT_FLD_RESET_433_OG [0x1b1]	MDP_XRT_FLD_RESET	1	07-F0	da	
2016/12/26	18:31:26.0	XRT_QT_PROG_SET_446_OG [0x1be]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 14	



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2016/12/26	18:31:28.0	XRT_FL_PROG_SET_436_OG [0x1b4]			
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07
2016/12/26	18:31:30.0	XRT_CTRL_AUTO_408_OG [0x198]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/26	19:31:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	19:31:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	19:31:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/26	19:31:36.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/26	19:34:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/26	19:55:00.0	XRT_Custom_430_OG [0x1ae]			
2016/12/26	19:56:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/26	21:09:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	21:09:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	21:09:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/26	21:09:06.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/26	21:12:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/26	21:32:00.0	XRT_Custom_430_OG [0x1ae]			
2016/12/26	21:33:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/26	22:46:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	22:46:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/26	22:46:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/26	22:46:36.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/26	22:49:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/26	23:07:00.0	XRT_Custom_430_OG [0x1ae]			
2016/12/26	23:08:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/27	00:23:30.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	00:23:32.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	00:23:34.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/27	00:23:36.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/27	00:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/27	00:31:30.0	XRT_Custom_430_OG [0x1ae]			
2016/12/27	00:32:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/27	01:47:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	01:47:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	01:47:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/27	01:47:06.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/27	01:50:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/27	02:06:00.0	XRT_Custom_430_OG [0x1ae]			
2016/12/27	02:07:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/27	03:22:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	03:22:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	03:22:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/27	03:22:06.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/27	03:25:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/27	03:43:00.0	XRT_Custom_430_OG [0x1ae]			
2016/12/27	03:44:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]			
		MDP_XRT_CTRL_AUTO	1	07-F0	c0
2016/12/27	04:52:00.0	XRT_CTRL_MANU_400_OG [0x190]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	04:52:02.0	XRT_CTRL_MANU_402_OG [0x192]			
		MDP_XRT_CTRL_MANU	1	07-F0	c1
2016/12/27	04:52:04.0	XRT_FLD_RESET_415_OG [0x19f]			
		MDP_XRT_FLD_RESET	1	07-F0	da
2016/12/27	04:52:06.0	XRT_PREFLR_STRT_414_OG [0x19e]			
		MDP_XRT_PREFLR_STRT	1	07-F0	e8
2016/12/27	04:55:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]			
		MDP_XRT_PREFLR_STOP	1	07-F0	e9
2016/12/27	05:20:30.0	XRT_Custom_430_OG [0x1ae]			

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2016/12/27	05:21:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/27	06:02:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:02:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:02:58.0	XRT_FOCUS_POSITION_403_OG [0x193]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2016/12/27	06:03:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2016/12/27	06:03:18.0	XRT_FLD_DIS_406_OG [0x196]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2016/12/27	06:05:54.0	XRT_FLRCTRL_DIS_405_OG [0x195]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2016/12/27	06:05:56.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/12/27	06:05:58.0	XRT_QT_PROG_SET_417_OG [0x1a1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 0e				
2016/12/27	06:06:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/27	06:12:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:12:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:12:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2016/12/27	06:13:00.0	AOCS_Ore-point_Start_1_OG [0x097]							
		AOCU_NM	5	02-76	00 ae 36 00 00				
2016/12/27	06:13:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2016/12/27	06:13:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2016/12/27	06:13:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2016/12/27	06:13:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2016/12/27	06:13:26.0	XRT_FLD_RESET_433_OG [0x1b1]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/27	06:15:56.0	XRT_QT_PROG_SET_446_OG [0x1be]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 14				
2016/12/27	06:15:58.0	XRT_FL_PROG_SET_436_OG [0x1b4]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 07				
2016/12/27	06:16:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/27	06:32:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:32:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	06:32:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/27	06:32:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/12/27	06:35:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/27	06:57:30.0	XRT_Custom_430_OG [0x1ae]							
2016/12/27	06:58:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/27	08:12:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	08:12:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	08:12:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2016/12/27	08:12:36.0	XRT_PREFLR_STRT_414_OG [0x19e]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2016/12/27	08:15:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2016/12/27	08:34:30.0	XRT_Custom_430_OG [0x1ae]							
2016/12/27	08:35:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2016/12/27	09:53:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	09:53:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2016/12/27	09:54:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	00 00 00 00 00				