

XRT Timeline to be uploaded on 2018/08/21

Period: 2018/08/21 10:29:00 - 2018/08/25 11:12:00

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Normal mode

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XOB #1BC7: CCD Monitor During Bakeout - G-band 1ms - 1kx1k - Q90 - 1st Quadrant - Al/mesh(2048ms), Al/Poly(4096ms) - w leak image-1ms													
Term	Pointing (x, y)				Comment								
08/22 12:03:00 - 08/22 12:09:54	Fixed (0.0, 0.0)				# OP start + 10min, DC pointing								
PROG= 04 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 51 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 1536)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 3 2-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BC8: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 2nd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms													
Term	Pointing (x, y)				Comment								
08/22 12:13:00 - 08/22 12:19:54	Fixed (0.0, 0.0)				# OP start + 10min, DC pointing								
PROG= 20 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 38 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 1536)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 3 2-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BC9: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 3rd Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms													
Term	Pointing (x, y)				Comment								
08/22 12:23:00 - 08/22 12:29:54	Fixed (0.0, 0.0)				# OP start + 10min, DC pointing								
PROG= 19 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 21 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (512, 512)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (512, 512)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 3 2-time(s) 2.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Al-poly/Open	Al-poly/Open	close	Safe	Norm	4.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Subr= 3 2-time(s) 2.0sec													
└─ Seqn= 34 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BCA: CCD Monitor During Bakeout - G-Band 1ms - 1kx1k - Q90 - 4th Quadrant - Al/mesh (2048ms), Al/Poly (4096ms) - w leak image-1 ms													
Term	Pointing (x, y)				Comment								
08/22 12:33:00 - 08/22 12:39:54	Fixed (0.0, 0.0)				# OP start + 10min, DC pointing								
PROG= 11 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 14 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=90	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
	Open/thick-Be	Open/thick-Be	close	Safe	Dark	1ms	Obs	1x1	1024x1024 (1536, 512)	Q=98	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													

thin-Be/Open	thin-Be/Open	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	11.3s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
thin-Be/Open	thin-Be/Open	close	Safe	Norm	22.6s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Seqn= 23 1-time(s) 2.0sec												
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #1BCB: AR (Filter-Ratio with Al/poly and thin-Be) with PFB, 512x512 at 1064 1048, thick-Al context, with G-band (1ms/1ms leak), 30s cad

Term	Pointing (x, y)	Comment
08/23 00:03:00 - 08/23 02:36:00	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
PROG= 02 Inf.-time(s)		
Subr= 1 1-time(s) 2.0sec		
Seqn= 92 1-time(s) 2.0sec		
Open/G-band	Open/G-band	open Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 2.0sec
Open/G-band	Open/G-band	close Safe Norm 1ms Obs 1x1 1024x1024 (1536, 1536) DPCM 0 0 2.0sec
Open/Ti-poly	Open/thick-Al	close Safe Dark 16.0s Obs 1x1 1024x1024 (1536, 1536) Q=98 0 0 2.0sec
Seqn= 71 3-time(s) 2.0sec		
Open/thick-Al	Open/thick-Be	close Safe Norm 16.0s Obs 1x1 1024x1024 (512, 1536) Q=98 3 0 2.0sec
Subr= 2 90-time(s) 30.0sec		
Seqn= 86 1-time(s) 2.0sec		
thin-Be/Open	med-Be/Open	close Safe Norm 1.00s Obs 1x1 1024x1024 (512, 1536) Q=95 2 0 2.0sec
Al-poly/Open	thin-Be/Open	close Safe Norm 500ms Obs 1x1 1024x1024 (512, 1536) Q=95 2 0 2.0sec
Seqn= 58 1-time(s) 2.0sec		
Al-poly/Open	thin-Be/Open	close Safe Norm 500ms Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
thin-Be/Open	med-Be/Open	close Safe Norm 1.00s Obs 1x1 384x384 (1064, 1048) Q=95 3 1 2.0sec
Default Filter	Thicker Filter	VLS mode image Exp. CCD Bin ROI: size (center) Comp. AEC Buffer Interval

XOB #1C08: HOP349 - 3-filter Synoptics (Al-mesh[64/512/2897], Al-poly[45/512/4096], thin-Be[1024/11571/23142] with 512x512 G-band 1ms+Leak - 90min cad

Term	Pointing (x, y)	Comment
08/23 03:03:00 - 08/23 06:19:54	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
PROG= 08 Inf.-time(s)		
Subr= 1 1-time(s) 300.0sec		
Seqn= 36 1-time(s) 2.0sec		
Open/Al-mesh	Open/Al-mesh	close Safe Norm 63ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh	close Safe Norm 500ms Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Open/Al-mesh	Open/Al-mesh	close Safe Norm 2.83s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 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= 33 1-time(s) 2.0sec		
thin-Be/Open	thin-Be/Open	close Safe Norm 1.00s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open	close Safe Norm 11.3s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
thin-Be/Open	thin-Be/Open	close Safe Norm 22.6s Obs 2x2 2048x2048 (1024, 1024) Q=95 0 0 2.0sec
Seqn= 30 1-time(s) 2.0sec		
Open/G-band	Open/G-band	open Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=90 0 0 2.0sec
Open/G-band	Open/G-band	close Safe Norm 1ms Obs 1x1 1024x1024 (512, 512) Q=95 0 0 2.0sec
Subr= 2 18-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

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Flare mode

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XOB #1B8E: 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 512x512)

Term	Pointing (x, y)	Comment
08/22 16:43:00 - 08/22 18:02:24	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
08/22 18:15:30 - 08/22 23:59:54	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
08/23 00:03:00 - 08/23 02:36:00	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
08/23 03:03:00 - 08/23 06:19:54	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
08/23 06:33:00 - 08/23 09:50:00	Fixed (0.0, 0.0)	# OP start + 10min, DC pointing
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

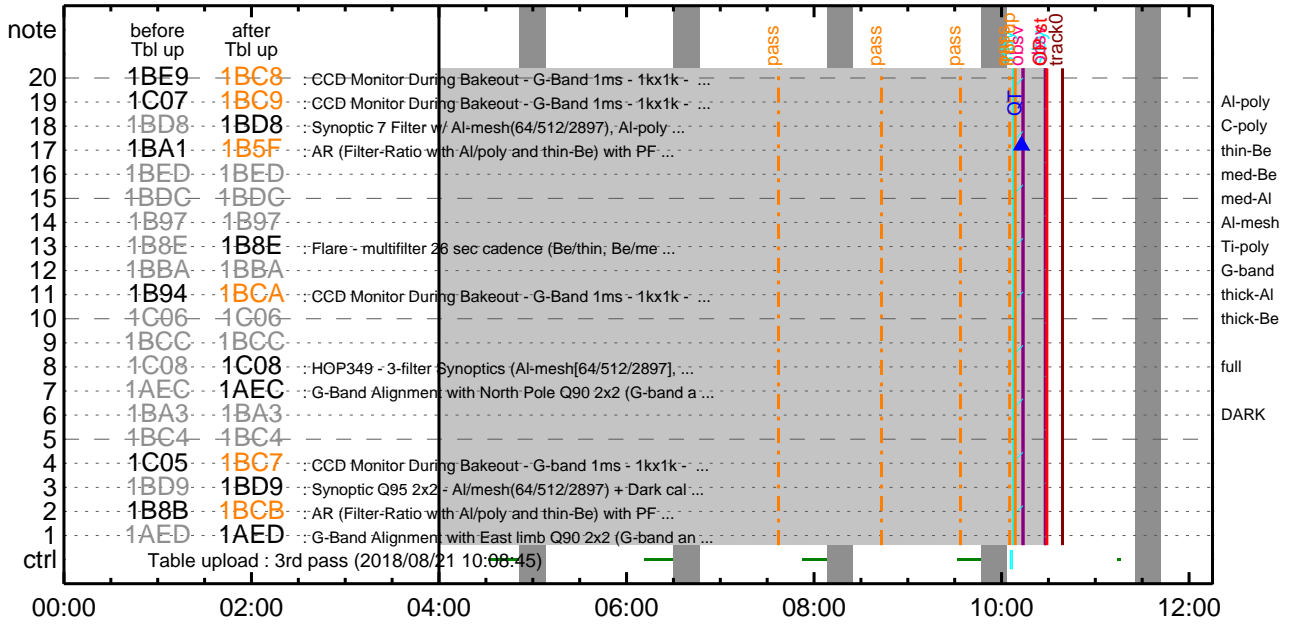
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Flare Detection

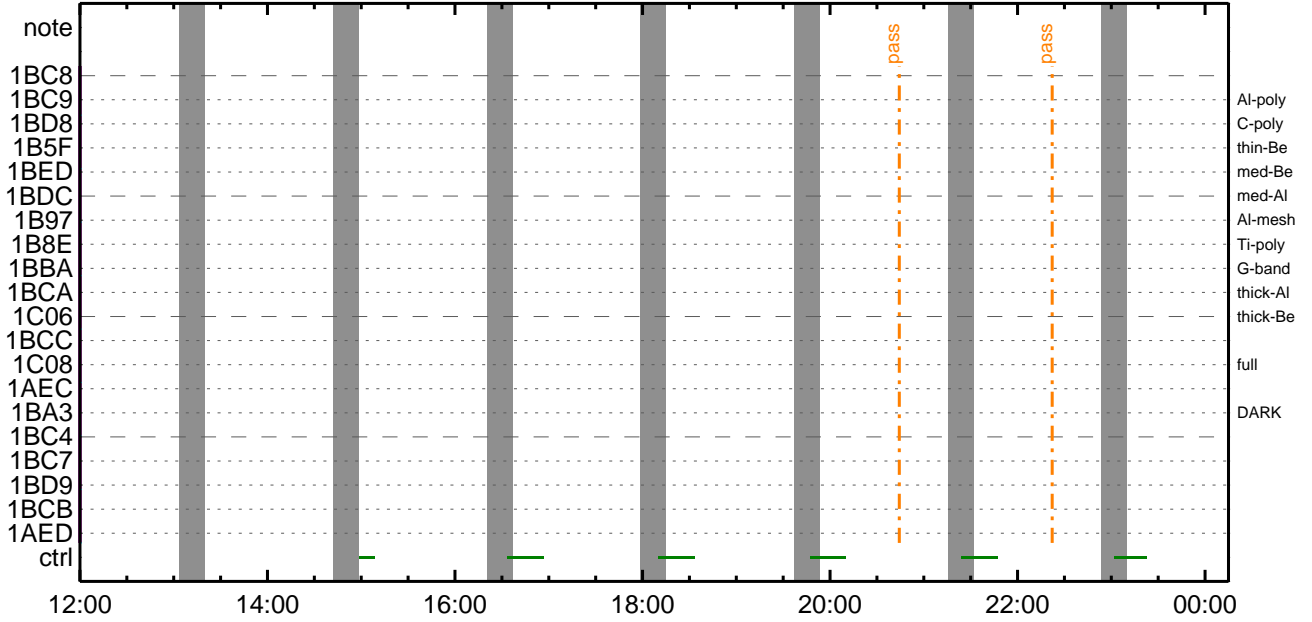
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FLD Patrol												
Term		Pointing (x, y)				Comment						
08/22 16:40:18 - 08/22 18:02:48		Fixed (0.0, 0.0)				# OP start + 10min, DC pointing						
08/22 18:12:48 - 08/23 06:20:18		Fixed (0.0, 0.0)				# OP start + 10min, DC pointing						
08/23 06:30:18 - 08/25 11:12:00		Fixed (0.0, 0.0)				# OP start + 10min, DC pointing						
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50	80sec		
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)		Comp.	AEC Buffer	Interval

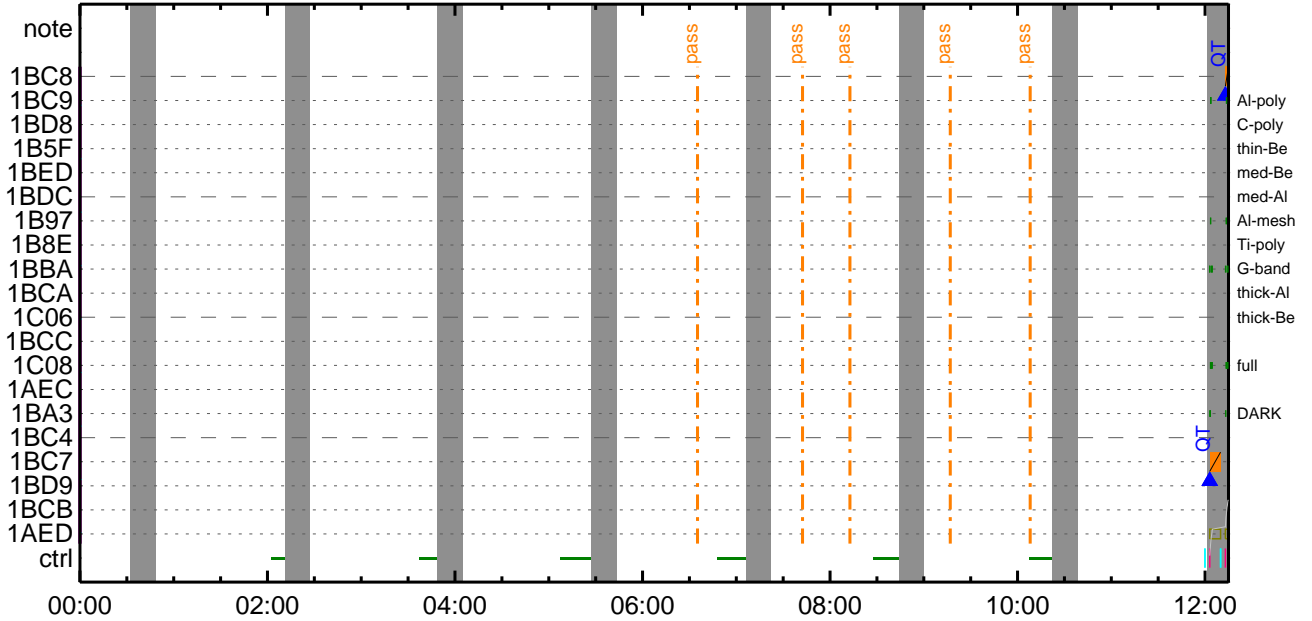
CMDI #0702 2018/08/21



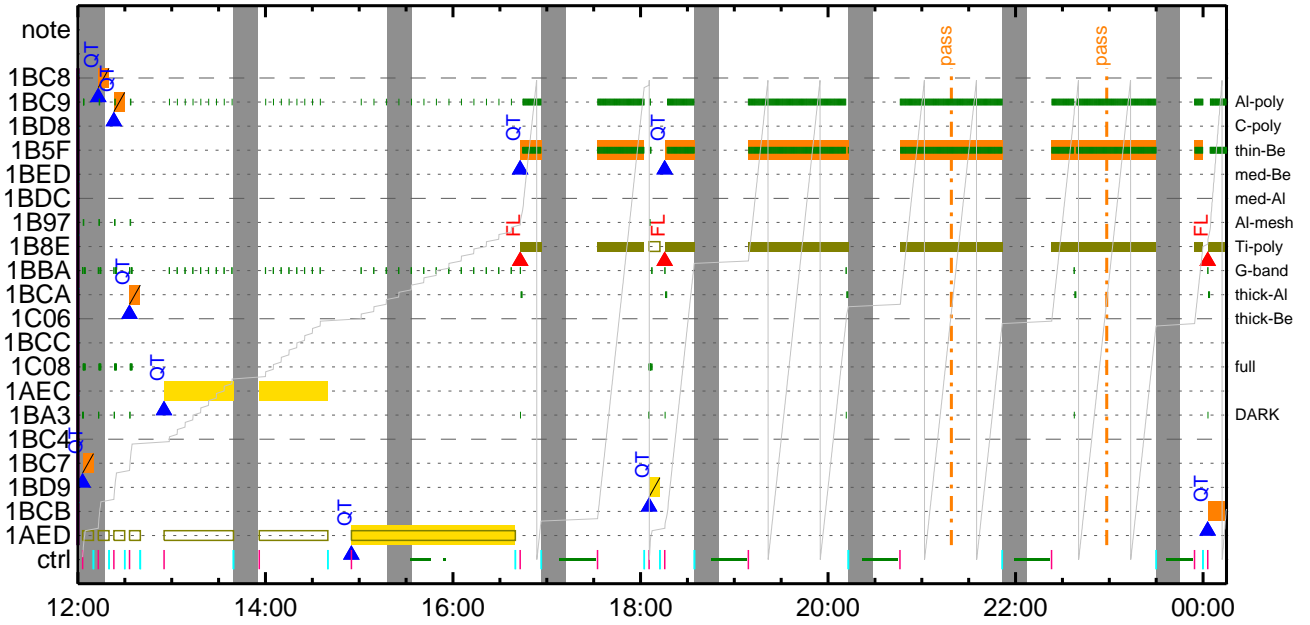
CMDI #0702 2018/08/21



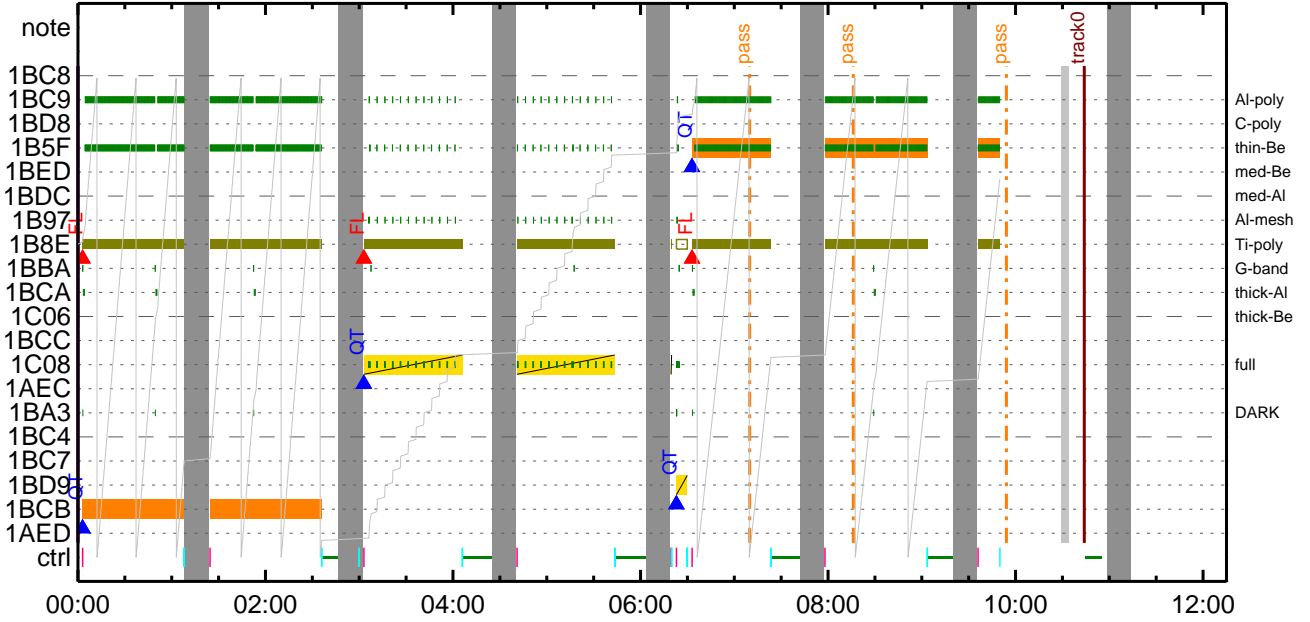
CMDI #0702 2018/08/22



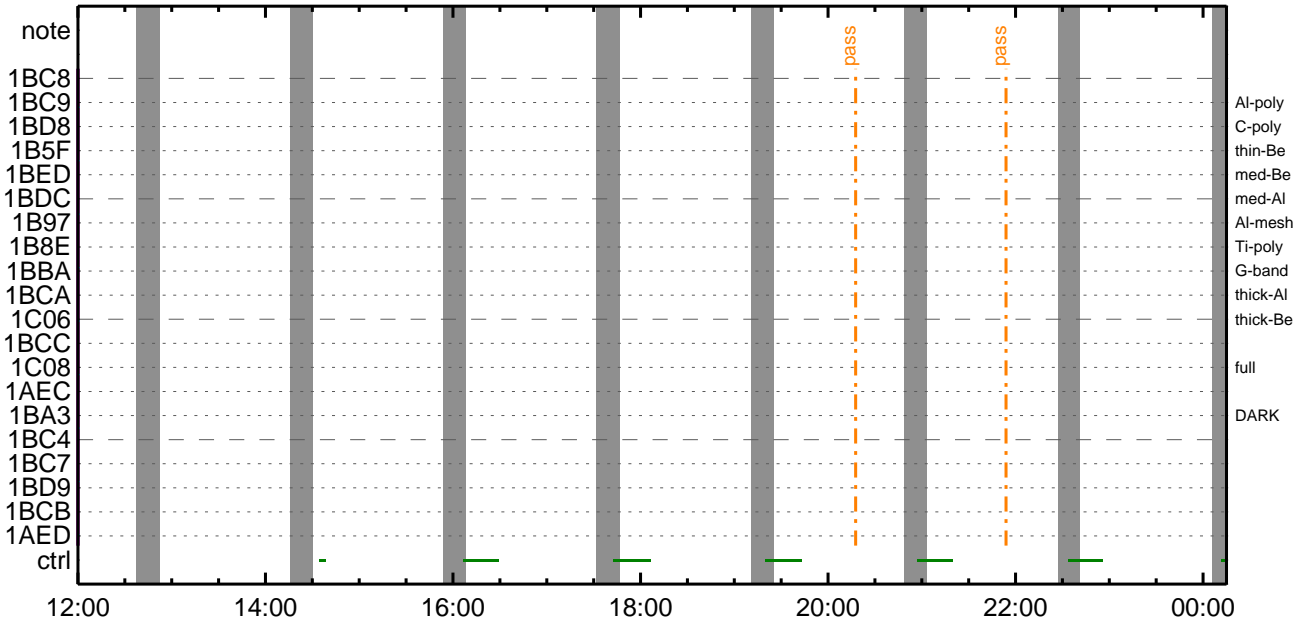
CMDI #0702 2018/08/22



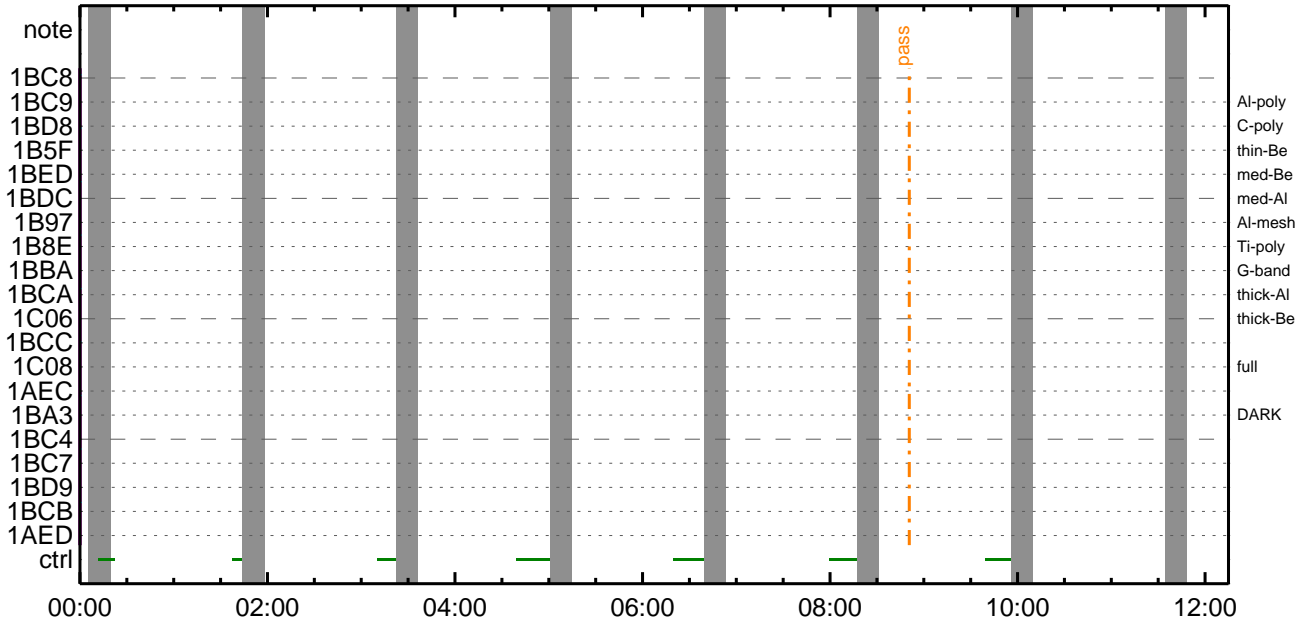
CMDI #0702 2018/08/23



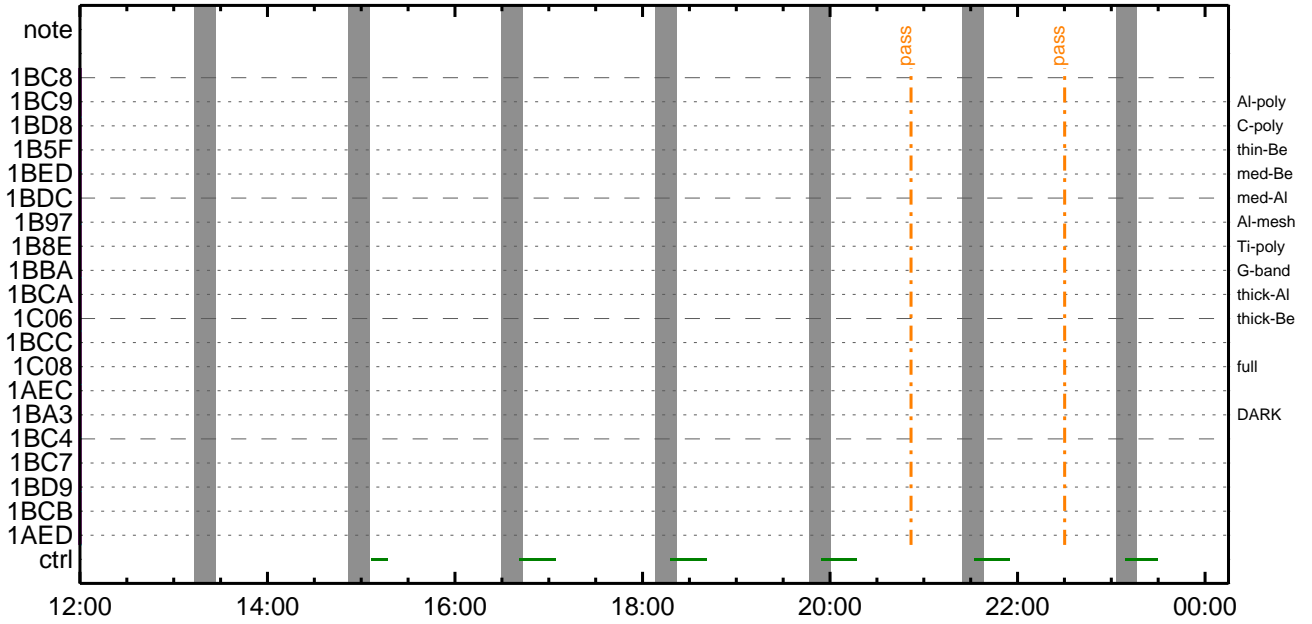
CMDI #0702 2018/08/23



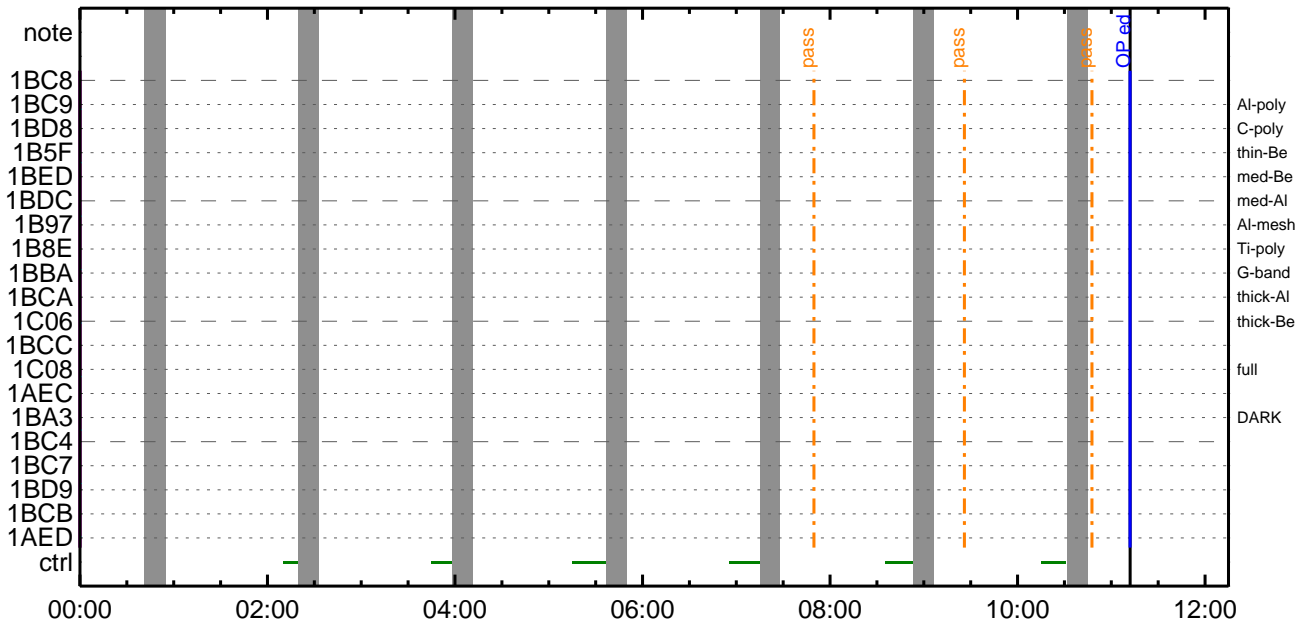
CMDI #0702 2018/08/24



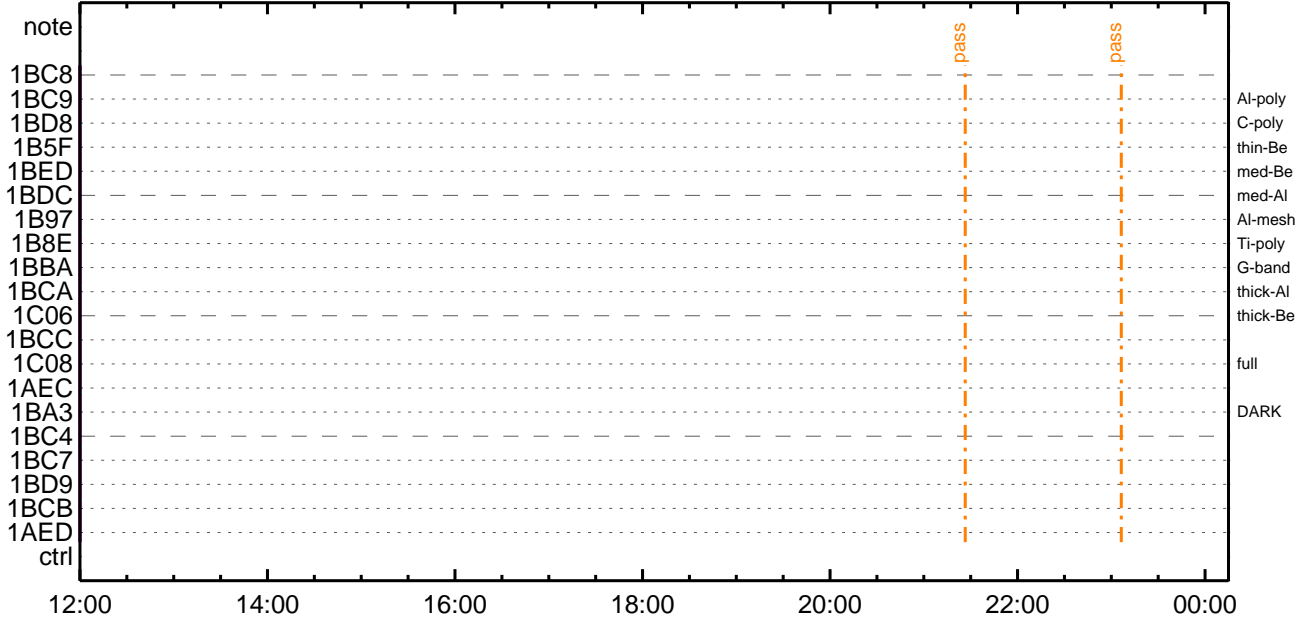
CMDI #0702 2018/08/24



CMDI #0702 2018/08/25



CMDI #0702 2018/08/25




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0096 C.                0p0z;çSET0EDUMP0İÆ±°iYÑY¹0Ç¹00|0³0E;f
0097 C.
0098 . C. TIY³YF¥6YÉ00dADİç(UT)
0099 +. TI 2018-08-21 10:24:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0102 C.
0103 +. TI 2018-08-21 10:24:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0106 C.
0107 +. TI 2018-08-21 10:24:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0110 C.
0111 +. TI 2018-08-21 10:28:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                çç[HK1_TI_CMD_NUM]                EQ        1COUNTUP
0114 C.
0115 C. °E²¼0İÄè%îÍÑ0İYÁ¥$YÄY-¹àİÜ
0116 C.                çç[HK1_TI_CMD_ENA/DIS]                EQ        ENA
0117 C.                çç[HK1_TI_CMD_NUM]                EQ        4
0118 C.                çç[HK1_NEXT_EXEC_PIM]                EQ        DHU
0119 C.                çç[HK1_NEXT_EXEC_DC]                EQ        0xB3
0120 C.
0121 . C. *****
0122 C. TIİİ°èYÄYÓY×
0123 C. *****
0124 C.
0125 C. TI_TBL(0x03AB00-0x03AEFF;§ 1024byte)
0126 +. DC 01-23 DHU_DMA_DMP_PRM_SET
0127 BC (03 ab 03 01 02)
0128 C.                çç[HK1_DMP_TOP_ADRS_1]                EQ        07
0129 C.                çç[HK1_DMP_TOP_ADRS_0]                EQ        2B
0130 C.                çç[HK1_DMP_BLOCK_NUM]                EQ        3
0131 C.                çç[HK1_DMP_REPEAT_NUM]                EQ        0
0132 C.                çç[HK1_DMA_DMP_PIM]                EQ        DHU
0133 +. DC 01-22 DHU_MODE_CHNG
0134 BC (07 0b f8)
0135 C.                çç[HK1_PKT_FORM_NO]                EQ        7
0136 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.25 s
0137 C.                çç[HK1_S_TLM_BIT_RATE]                EQ        32k
0138 C.                çç[HK1_X_TLM_BIT_RATE]                EQ        4M
0139 C.                çç[HK1_DMP_CHK_FLG]                EQ        EXEC
0140 C.
0141 . C. YÄYÓY×½ªİ»0d³İÇ$
0142 C.                çç[HK1_DMP_CHK_FLG]                EQ        NON
0143 C.
0144 . C. RAM ID=TI_TBL0İÈ¹Ç•è²İOK0d³İÇ$
0145 C.
0146 . C. DHUYâ;¼YÉ;È¼Y¼,¥i;¼YÈ;È0dİã0¹
0147 +. DC 01-22 DHU_MODE_CHNG
0148 BC (02 0a f8)
0149 C.                çç[HK1_PKT_FORM_NO]                EQ        2
0150 C.                çç[HK1_PKT_GEN_TIME]                EQ        0.5S
0151 C.                çç[HK1_S_TLM_BIT_RATE]                EQ        32K
0152 C.                çç[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 2018-08-21 10:28:30.0
0161 DC 07-FC EIS_MODE_MANU
0162 BC (21 02)
0163 +. TI 2018-08-21 10:28:40.0
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 2018-08-21 10:28:00.0
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 ´úÄî0İ»0¼Y0ÈÄ00¹0ÈDCBC•x²è *****
0181 C. (%â°İYÓYÄYÉYF¥YÄYÇYè0È¼00¼Ä»Ü0¹0è)
0182 . S. DC-BC dcbc-402:DCBC
0183 (MDP_known_event)
0184 C.
0185 C.
0186 . C. ***** YD¥¹•İ Daily±çİÑ0È'00¹0ÈDCBC•x²è *****
0187 . S. DC-BC dcbc-153:DCBC
0188 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189 C.
0190 C.
0191 . C. ;ãLOS¥ÁY$YÄY-¼Ä»Ü;ä
0192 C.
0193 . C. ***** LOS *****

```


(a) Spacecraft Operation Procedure (real-commands)

```
main-580 2018-08-21 10:07:04 106 33 SOLAR-B MAIN //
0001 C.
0002 . C. ***** AOS *****
0003 C.
0004 . C. ;ãAOSYÁY$YÁY-¼Á»Û;ã
0005 C.
0006 C. YÁYB;¼Y³YF¥ÓYÉÁ+¿®
0007 +. DC 00-00 NULL_DUMMY_CMD
0008 C.
0009 . C. ***** AOCS : Reload orbital element (send every contact) *****
0010 C. Áí;Èø¿øÀø•µ°È×ÁÇøíYçYÁY×Yí;¼YÉ;ÈÈ%µ•ííÉ;ÈøÈ¼°ÇÔø•ø¿¼í¹çøí;çÀ®, ùø¹øÈøÈøÇÁ+¿®ø•øÈøøø³øÈ;f
0011 +. DC 02-8E AOCS_ORB_UPD
0012 C.
0013 C.
0014 C.
0015 C. ***** XRT START *****
0016 C.
0017 +. DC 07-F0 MDP_XRT_CTRL_MANU
0018 BC (c1)
0019 +. DC 07-F0 MDP_XRT_CTRL_MANU
0020 BC (c1)
0021 + DC 07-F0 MDP_XRT_MODE_STBY
0022 BC (c3)
0023 . C. ----- Success Verify ? OK / NG____
0024 C.
0025 C. XRT Obs. Table Upload
0026 . S. RAM ram-291:MDP_OBS_X
0027 ( )
0028 C.
0029 +. DC 07-F0 MDP_DUMP_XRTTBL
0030 BC (84 07 00 00 00 3a d4)
0031 . C. ----- Comparison Check ? OK / ERR ____
0032 C.
0033 C.
0034 +. DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 01 b1 b1 04 04)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 02 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 03 b1 b1 08 08)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 04 b1 b1 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 05 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 06 80 80 20 20)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 07 80 80 20 08)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 08 80 80 08 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 09 c0 c0 10 10)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0a 40 c0 10 10)
0054 + DC 07-F0 MDP_XRT_ROI_SET
0055 BC (cd 0b 40 40 10 10)
0056 + DC 07-F0 MDP_XRT_ROI_SET
0057 BC (cd 0c c0 40 10 10)
0058 + DC 07-F0 MDP_XRT_ROI_SET
0059 BC (cd 0d 80 60 20 18)
0060 + DC 07-F0 MDP_XRT_ROI_SET
0061 BC (cd 0e a0 80 18 20)
0062 + DC 07-F0 MDP_XRT_ROI_SET
0063 BC (cd 0f 80 80 06 06)
0064 + DC 07-F0 MDP_XRT_ROI_SET
0065 BC (cd 10 80 80 08 08)
0066 + DC 07-F0 MDP_XRT_FLD_ENA
0067 BC (d8)
0068 + DC 07-F0 MDP_XRT_FLRCTRL_ENA
0069 BC (c8)
0070 + DC 07-F0 MDP_XRT_ARS_DIS
0071 BC (d5)
0072 + DC 07-F0 MDP_XRT_AEC_RESET
0073 BC (d0)
0074 + DC 07-F0 MDP_XRT_FLD_RESET
0075 BC (da)
0076 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0077 BC (c4 12)
0078 . C. ----- Success Verify ? OK / NG ____
0079 C.
0080 C.
0081 . C. All OK? Yes--> Please Proceed. / No --> Stop here.
0082 C.
0083 +. DC 07-F0 MDP_XRT_MODE_OBSV
0084 BC (c2)
0085 +. TI 2018-08-21 10:28:02.0
0086 DC 07-F0 MDP_XRT_MODE_OBSV
0087 BC (c2)
0088 . C. ----- Success Verify ? OK / NG ____
0089 C.
0090 C. ***** XRT END *****
0091 C.
0092 . C. ***** MDP `ûÁíøí»ò¼YøÈÁøø¹øÈDCBC•×²è *****
0093 C. (¼á°íYÓYÁYÈYÈYÈYÁYçYÈøÈ¼øø¼Á»Ûø¹øÈ)
0094 . S. DC-BC dcbc-402:DCBC
0095 (MDP_known_event)
```

0096 C.
0097 C.
0098 . C. ***** ¥Ð¥¹•ï Daily±¿ÍÑ¤È´Ø¤¹¤èDCBC•x²è *****
0099 . S. DC-BC dcbc-153:DCBC
0100 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0101 C.
0102 C.
0103 . C. ;ãLOS¥Á¥\$¥Ã¥-¼Á»Û;ã
0104 C.
0105 . C. ***** LOS *****
0106 C.

*** OP Sequence for XRT ***

```

2018/08/21 10:39:00.0 AOCs_OrE-point_Start_1_OG [0x097]
                        AOCU_NM                    5 02-76 04 00 00 00 00
2018/08/21 17:56:30.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 01 00 00 00 00
2018/08/22 00:00:00.0 AOCs_OrE-point_Start_3_OG [0x099]
                        AOCU_NM                    5 02-76 03 00 00 00 00
2018/08/22 06:00:00.0 AOCs_OrE-point_Start_4_OG [0x09a]
                        AOCU_NM                    5 02-76 00 00 00 00 00
2018/08/22 06:07:00.0 XRT_TCIB_XRT_S_HTR_A_DIS_422_OG [0x1a6]
                        TCIB_XRT_S_HTR_A_DIS 0 04-C0
2018/08/22 06:10:00.0 AOCs_OrE-point_Start_2_OG [0x098]
                        AOCU_NM                    5 02-76 01 00 00 00 00
2018/08/22 11:59:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 11:59:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 11:59:58.0 XRT_FOCUS_POSITION_425_OG [0x1a9]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/08/22 12:00:00.0 AOCs_OrE-point_Start_5_OG [0x09b]
                        AOCU_NM                    5 02-76 00 2e f9 2e f9
2018/08/22 12:00:18.0 XRT_FLD_DIS_417_OG [0x1a1]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/08/22 12:00:20.0 XRT_FLRCTRL_DIS_418_OG [0x1a2]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/08/22 12:02:56.0 XRT_ARS_DIS_427_OG [0x1ab]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/08/22 12:02:58.0 XRT_QT_PROG_SET_429_OG [0x1ad]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 04
2018/08/22 12:03:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/08/22 12:09:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:09:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:09:58.0 XRT_FOCUS_POSITION_425_OG [0x1a9]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/08/22 12:10:00.0 AOCs_OrE-point_Start_6_OG [0x09c]
                        AOCU_NM                    5 02-76 00 2e f9 d1 07
2018/08/22 12:10:18.0 XRT_FLD_DIS_417_OG [0x1a1]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/08/22 12:10:20.0 XRT_FLRCTRL_DIS_418_OG [0x1a2]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/08/22 12:12:56.0 XRT_ARS_DIS_445_OG [0x1bd]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/08/22 12:12:58.0 XRT_QT_PROG_SET_431_OG [0x1af]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 14
2018/08/22 12:13:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/08/22 12:19:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:19:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:19:58.0 XRT_FOCUS_POSITION_425_OG [0x1a9]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/08/22 12:20:00.0 AOCs_OrE-point_Start_7_OG [0x09d]
                        AOCU_NM                    5 02-76 00 d1 07 d1 07
2018/08/22 12:20:18.0 XRT_FLD_DIS_417_OG [0x1a1]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/08/22 12:20:20.0 XRT_FLRCTRL_DIS_418_OG [0x1a2]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/08/22 12:22:56.0 XRT_ARS_DIS_445_OG [0x1bd]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/08/22 12:22:58.0 XRT_QT_PROG_SET_447_OG [0x1bf]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 13
2018/08/22 12:23:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/08/22 12:29:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:29:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:29:58.0 XRT_FOCUS_POSITION_425_OG [0x1a9]
                        XRT_FOCUS_POSITION        4 07-F8 22 ff aa 00
2018/08/22 12:30:00.0 AOCs_OrE-point_Start_8_OG [0x09e]
                        AOCU_NM                    5 02-76 00 d1 07 2e f9
2018/08/22 12:30:18.0 XRT_FLD_DIS_417_OG [0x1a1]
                        MDP_XRT_FLD_DIS          1 07-F0 d9
2018/08/22 12:30:20.0 XRT_FLRCTRL_DIS_418_OG [0x1a2]
                        MDP_XRT_FLRCTRL_DIS      1 07-F0 c9
2018/08/22 12:32:56.0 XRT_ARS_DIS_445_OG [0x1bd]
                        MDP_XRT_ARS_DIS          1 07-F0 d5
2018/08/22 12:32:58.0 XRT_QT_PROG_SET_443_OG [0x1bb]
                        MDP_XRT_QT_PROG_SET      2 07-F0 c4 0b
2018/08/22 12:33:00.0 XRT_CTRL_AUTO_408_OG [0x198]
                        MDP_XRT_CTRL_AUTO        1 07-F0 c0
2018/08/22 12:39:54.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:39:56.0 XRT_CTRL_MANU_402_OG [0x192]
                        MDP_XRT_CTRL_MANU        1 07-F0 c1
2018/08/22 12:39:58.0 XRT_FOCUS_POSITION_441_OG [0x1b9]
                        XRT_FOCUS_POSITION        4 07-F8 22 fe 97 00
2018/08/22 12:40:00.0 AOCs_OrE-point_Start_9_OG [0x09f]
    
```


2018/08/22	12:40:18.0	XRT_ROI_A_446_OG	AOCU_NM [0x1be]	5	02-76	00	ad	59	00	00
			MDP_XRT_ROI_SET	6	07-F0	cd	05	85	83	06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	06	80	80	20 20
			MDP_XRT_ROI_SET	6	07-F0	cd	07	80	80	20 08
			MDP_XRT_ROI_SET	6	07-F0	cd	08	80	80	08 20
			MDP_XRT_ROI_SET	6	07-F0	cd	09	85	83	06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	0a	85	83	08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0b	80	80	08 08
			MDP_XRT_ROI_SET	6	07-F0	cd	0d	80	60	20 18
2018/08/22	12:40:18.5	XRT_ROI_B_407_OG	[0x197]							
			MDP_XRT_ROI_SET	6	07-F0	cd	0d	80	60	20 18
			MDP_XRT_ROI_SET	6	07-F0	cd	0e	a0	80	18 20
			MDP_XRT_ROI_SET	6	07-F0	cd	0f	80	80	06 06
			MDP_XRT_ROI_SET	6	07-F0	cd	10	80	80	08 08
2018/08/22	12:40:23.5	XRT_FLD_DIS_428_OG	[0x1ac]							
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/22	12:54:59.5	XRT_FLRCTRL_DIS_434_OG	[0x1b2]							
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/22	12:55:01.5	XRT_ARS_DIS_445_OG	[0x1bd]							
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/22	12:55:03.5	XRT_QT_PROG_SET_439_OG	[0x1b7]							
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	07			
2018/08/22	12:55:05.5	XRT_CTRL_AUTO_408_OG	[0x198]							
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/22	13:39:30.0	XRT_CTRL_MANU_400_OG	[0x190]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	13:39:32.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	13:39:34.0	XRT_FLD_RESET_415_OG	[0x19f]							
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/22	13:39:36.0	XRT_PREFLR_STRT_437_OG	[0x1b5]							
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/22	13:42:44.0	XRT_PREFLR_STOP_419_OG	[0x1a3]							
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/22	13:55:00.0	XRT_Custom_430_OG	[0x1ae]							
2018/08/22	13:56:00.0	XRT_CTRL_AUTO_424_OG	[0x1a8]							
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/22	14:39:54.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	14:39:56.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	14:39:58.0	XRT_FOCUS_POSITION_441_OG	[0x1b9]							
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/08/22	14:40:00.0	AOCS_Ore-point_Start_10_OG	[0x0a0]							
			AOCU_NM	5	02-76	00	00	00	00	56 35
2018/08/22	14:40:18.0	XRT_FLD_DIS_428_OG	[0x1ac]							
			MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/22	14:54:54.0	XRT_FLRCTRL_DIS_434_OG	[0x1b2]							
			MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/22	14:54:56.0	XRT_ARS_DIS_445_OG	[0x1bd]							
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/22	14:54:58.0	XRT_QT_PROG_SET_444_OG	[0x1bc]							
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	01			
2018/08/22	14:55:00.0	XRT_CTRL_AUTO_408_OG	[0x198]							
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/22	16:39:54.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	16:39:56.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	16:39:58.0	XRT_FOCUS_POSITION_410_OG	[0x19a]							
			XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00	
2018/08/22	16:40:00.0	AOCS_Ore-point_Start_2_OG	[0x098]							
			AOCU_NM	5	02-76	01	00	00	00	00
2018/08/22	16:40:18.0	XRT_FLD_ENA_411_OG	[0x19b]							
			MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/22	16:40:20.0	XRT_FLRCTRL_ENA_412_OG	[0x19c]							
			MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/22	16:40:22.0	XRT_AEC_RESET_448_OG	[0x1c0]							
			MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/22	16:40:24.0	XRT_ARS_DIS_423_OG	[0x1a7]							
			MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/22	16:40:26.0	XRT_FLD_RESET_432_OG	[0x1b0]							
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/22	16:42:56.0	XRT_QT_PROG_SET_426_OG	[0x1aa]							
			MDP_XRT_QT_PROG_SET	2	07-F0	c4	11			
2018/08/22	16:42:58.0	XRT_FL_PROG_SET_440_OG	[0x1b8]							
			MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d			
2018/08/22	16:43:00.0	XRT_CTRL_AUTO_408_OG	[0x198]							
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/22	16:56:30.0	XRT_CTRL_MANU_400_OG	[0x190]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	16:56:32.0	XRT_CTRL_MANU_402_OG	[0x192]							
			MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/22	16:56:34.0	XRT_FLD_RESET_415_OG	[0x19f]							
			MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/22	16:56:36.0	XRT_PREFLR_STRT_437_OG	[0x1b5]							
			MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/22	16:59:44.0	XRT_PREFLR_STOP_419_OG	[0x1a3]							
			MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/22	17:31:30.0	XRT_Custom_430_OG	[0x1ae]							
2018/08/22	17:32:30.0	XRT_CTRL_AUTO_424_OG	[0x1a8]							
			MDP_XRT_CTRL_AUTO	1	07-F0	c0				

2018/08/22	18:02:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:02:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:02:28.0	XRT_FOCUS_POSITION_406_OG [0x196]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/22	18:02:30.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00
2018/08/22	18:02:48.0	XRT_FLD_DIS_409_OG [0x199]	MDP_XRT_FLD_DIS	1	07-F0	d9
2018/08/22	18:02:50.0	XRT_FLRCTRL_DIS_413_OG [0x19d]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2018/08/22	18:02:52.0	XRT_ARS_DIS_414_OG [0x19e]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/22	18:05:28.0	XRT_QT_PROG_SET_449_OG [0x1c1]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 03
2018/08/22	18:05:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	18:12:24.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:12:26.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:12:28.0	XRT_FOCUS_POSITION_410_OG [0x19a]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/22	18:12:30.0	AOCS_Ore-point_Start_2_OG [0x098]	AOCU_NM	5	02-76	01 00 00 00 00
2018/08/22	18:12:48.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/22	18:12:50.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/22	18:12:52.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/22	18:12:54.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/22	18:12:56.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/22	18:15:26.0	XRT_QT_PROG_SET_426_OG [0x1aa]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 11
2018/08/22	18:15:28.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/22	18:15:30.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	18:34:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:34:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	18:34:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/22	18:34:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/22	18:37:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/22	19:08:01.0	XRT_Custom_430_OG [0x1ae]				
2018/08/22	19:09:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	20:13:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	20:13:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	20:13:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/22	20:13:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/22	20:16:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/22	20:45:00.0	XRT_Custom_430_OG [0x1ae]				
2018/08/22	20:46:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	21:51:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	21:51:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	21:51:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/22	21:51:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/22	21:54:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/22	22:22:01.0	XRT_Custom_430_OG [0x1ae]				
2018/08/22	22:23:01.0	XRT_CTRL_AUTO_424_OG [0x1a8]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	23:30:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	23:30:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	23:30:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/22	23:30:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/22	23:33:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/22	23:53:30.0	XRT_Custom_430_OG [0x1ae]				
2018/08/22	23:54:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]				

2018/08/22	23:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/22	23:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/22	23:59:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	00:00:00.0	AOCS_ORe-point_Start_3_OG [0x099]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2018/08/23	00:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	03 00 00 00 00
2018/08/23	00:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/23	00:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/23	00:00:24.0	XRT_ARS_DIS_423_OG [0x1a7]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/23	00:00:26.0	XRT_FLD_RESET_432_OG [0x1b0]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/23	00:02:56.0	XRT_QT_PROG_SET_436_OG [0x1b4]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/23	00:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 02
2018/08/23	00:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/23	01:08:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/23	01:08:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	01:08:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	01:08:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/23	01:11:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/23	01:23:30.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/23	01:24:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2018/08/23	02:36:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/23	02:36:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	02:36:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	02:36:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/23	02:39:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/23	02:59:54.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/23	02:59:56.0	XRT_CTRL_MANU_402_OG [0x192]	XRT_CTRL_MANU_402_OG [0x192]	1	07-F0	c1
2018/08/23	02:59:58.0	XRT_FOCUS_POSITION_406_OG [0x196]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	03:00:00.0	AOCS_ORe-point_Start_4_OG [0x09a]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00
2018/08/23	03:00:18.0	XRT_FLD_ENA_411_OG [0x19b]	AOCU_NM	5	02-76	00 00 00 00 00
2018/08/23	03:00:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]	MDP_XRT_FLD_ENA	1	07-F0	d8
2018/08/23	03:00:22.0	XRT_AEC_RESET_448_OG [0x1c0]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8
2018/08/23	03:00:24.0	XRT_ARS_DIS_404_OG [0x194]	MDP_XRT_AEC_RESET	1	07-F0	d0
2018/08/23	03:02:54.0	XRT_FLD_RESET_420_OG [0x1a4]	MDP_XRT_ARS_DIS	1	07-F0	d5
2018/08/23	03:02:56.0	XRT_QT_PROG_SET_403_OG [0x193]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/23	03:02:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 08
2018/08/23	03:03:00.0	XRT_CTRL_AUTO_408_OG [0x198]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2018/08/23	04:06:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/23	04:06:02.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	04:06:04.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	04:06:06.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
2018/08/23	04:09:14.0	XRT_PREFLR_STOP_419_OG [0x1a3]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2018/08/23	04:40:00.0	XRT_Custom_430_OG [0x1ae]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2018/08/23	04:41:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]	XRT_Custom_430_OG [0x1ae]	1	07-F0	c0
2018/08/23	05:43:30.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_AUTO	1	07-F0	c0
2018/08/23	05:43:32.0	XRT_CTRL_MANU_402_OG [0x192]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	05:43:34.0	XRT_FLD_RESET_415_OG [0x19f]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2018/08/23	05:43:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]	MDP_XRT_FLD_RESET	1	07-F0	da
			MDP_XRT_PREFLR_STRT	1	07-F0	e8

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2018/08/23	05:46:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/23	06:18:30.0	XRT_Custom_430_OG [0x1ae]							
2018/08/23	06:19:30.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/23	06:19:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	06:19:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	06:19:58.0	XRT_FOCUS_POSITION_406_OG [0x196]							
		XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00				
2018/08/23	06:20:00.0	AOCS_Ore-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				
2018/08/23	06:20:18.0	XRT_FLD_DIS_409_OG [0x199]							
		MDP_XRT_FLD_DIS	1	07-F0	d9				
2018/08/23	06:20:20.0	XRT_FLRCTRL_DIS_413_OG [0x19d]							
		MDP_XRT_FLRCTRL_DIS	1	07-F0	c9				
2018/08/23	06:20:22.0	XRT_ARS_DIS_414_OG [0x19e]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/23	06:22:58.0	XRT_QT_PROG_SET_449_OG [0x1c1]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 03				
2018/08/23	06:23:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/23	06:29:54.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	06:29:56.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	06:29:58.0	XRT_FOCUS_POSITION_410_OG [0x19a]							
		XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00				
2018/08/23	06:30:00.0	AOCS_Ore-point_Start_2_OG [0x098]							
		AOCU_NM	5	02-76	01 00 00 00 00				
2018/08/23	06:30:18.0	XRT_FLD_ENA_411_OG [0x19b]							
		MDP_XRT_FLD_ENA	1	07-F0	d8				
2018/08/23	06:30:20.0	XRT_FLRCTRL_ENA_412_OG [0x19c]							
		MDP_XRT_FLRCTRL_ENA	1	07-F0	c8				
2018/08/23	06:30:22.0	XRT_AEC_RESET_448_OG [0x1c0]							
		MDP_XRT_AEC_RESET	1	07-F0	d0				
2018/08/23	06:30:24.0	XRT_ARS_DIS_423_OG [0x1a7]							
		MDP_XRT_ARS_DIS	1	07-F0	d5				
2018/08/23	06:30:26.0	XRT_FLD_RESET_432_OG [0x1b0]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/23	06:32:56.0	XRT_QT_PROG_SET_426_OG [0x1aa]							
		MDP_XRT_QT_PROG_SET	2	07-F0	c4 11				
2018/08/23	06:32:58.0	XRT_FL_PROG_SET_440_OG [0x1b8]							
		MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d				
2018/08/23	06:33:00.0	XRT_CTRL_AUTO_408_OG [0x198]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/23	07:23:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	07:23:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	07:23:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/23	07:23:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/23	07:26:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/23	07:57:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/23	07:58:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/23	09:03:30.0	XRT_CTRL_MANU_400_OG [0x190]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	09:03:32.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	09:03:34.0	XRT_FLD_RESET_415_OG [0x19f]							
		MDP_XRT_FLD_RESET	1	07-F0	da				
2018/08/23	09:03:36.0	XRT_PREFLR_STRT_437_OG [0x1b5]							
		MDP_XRT_PREFLR_STRT	1	07-F0	e8				
2018/08/23	09:06:44.0	XRT_PREFLR_STOP_419_OG [0x1a3]							
		MDP_XRT_PREFLR_STOP	1	07-F0	e9				
2018/08/23	09:35:00.0	XRT_Custom_430_OG [0x1ae]							
2018/08/23	09:36:00.0	XRT_CTRL_AUTO_424_OG [0x1a8]							
		MDP_XRT_CTRL_AUTO	1	07-F0	c0				
2018/08/23	09:50:00.0	XRT_CTRL_MANU_402_OG [0x192]							
		MDP_XRT_CTRL_MANU	1	07-F0	c1				
2018/08/23	10:44:00.0	AOCS_ORe-point_Start_4_OG [0x09a]							
		AOCU_NM	5	02-76	00 00 00 00 00				