XRT Timeline to be uploaded on 2017/09/16

Period: 2017/09/16 10:33:00 - 2017/09/21 09:59:00

* * * * * **Normal mode** * * * * *

XOB #1B93: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s cadence, G-band - 384x384 1ms

Term	Pointing (x, y)	Comment
09/16 10:46:00 - 09/16 16:37:00	Fixed (-21.0, 864.0)	# OP start + 10min, HOP206 at N-pole

PROG= 08 Inf.-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 16 2-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	close	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	DPCM	0	0	2.0sec

Subr= 2 1-time(s) 2.0sec

Seqn= 90 1-time(s) 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/G-band	Open/G-band	open	Safe	Norm	1ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec

Subr= 3 60-time(s) 2.0sec

Seqn= 57 1-time(s) 30.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
Al-poly/Open	Al-poly/Open	close	Safe	Norm	5.66s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec

XOB #1BA8: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly(45/512/4096), Thin-Be(181/2048/11571) - Thick-Be(65536), Al-poly+Ti-poly(256/5795), Med-Al

Term	Pointing (x, y)	Comment
09/16 17:06:00 - 09/16 17:12:54	Fixed (0.0, 0.0)	synoptic, shifted manually
09/17 01:24:00 - 09/17 02:25:54	Fixed (-21.0, 9.0)	HOP79 (11/20) and XRT synoptic

PROG= 05 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 5 1-time(s) 2.0sec

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

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

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

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
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= 23 1-time(s) 4.0sec

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

Subr= 2 1-time(s) 2.0sec

Seqn= 46 2-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Open/thick-Be	Open/thick-Be	close	Safe	Norm	64.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 40 2-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Ti-poly	Al-poly/thick-Al	close	Safe	Norm	5.66s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

Seqn= 65 2-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
med-Al/Open	med-Al/Open	close	Safe	Norm	2.83s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
med-Al/Open	med-Al/Open	close	Safe	Norm	32.0s	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

XOB #1BC5: Synoptic - Al-poly (2048/8192) 2048x2048 Gband/LeakImages(1ms)

Term	Pointing (x, y)	Comment
09/16 17:16:00 - 09/16 19:08:24	Fixed (-21.0, -981.0)	HOP79 N-S scan (1/20)
09/16 19:11:30 - 09/16 20:44:54	Fixed (-21.0, -781.0)	(3/20)
09/16 20:48:00 - 09/16 22:21:54	Fixed (-21.0, -581.0)	(5/20)
09/16 22:25:00 - 09/16 23:56:54	Fixed (-21.0, -381.0)	(7/20)
09/17 00:00:00 - 09/17 01:20:54	Fixed (-21.0, -181.0)	(9/20)
09/17 02:29:00 - 09/17 04:02:54	Fixed (-21.0, 109.0)	(12/20)
09/17 04:06:00 - 09/17 05:40:24	Fixed (-21.0, 309.0)	(14/20)
09/17 05:43:30 - 09/17 07:17:54	Fixed (-21.0, 509.0)	(16/20)
09/17 07:21:00 - 09/17 08:54:24	Fixed (-21.0, 709.0)	(18/20)
09/17 08:57:30 - 09/17 09:25:00	Fixed (-21.0, 909.0)	HOP79 (20/20)

PROG= 12 1-time(s)

Subr= 1 1-time(s) 2.0sec

Seqn= 23 1-time(s) 120.0sec

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

Subr= 2 4-time(s) 180.0sec

Seqn= 62 1-time(s) 2.0sec

Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	2.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
Al-poly/Open	Al-poly/thick-Al	close	Safe	Norm	8.00s	Obs	1x1	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec

* * * * * Flare mode * * * * *

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 512

Term	Pointing (x, y)	Comment
09/16 10:46:00 - 09/16 16:37:00	Fixed (-21.0, 864.0)	# OP start + 10min, HOP206 at N-pole
09/16 17:16:00 - 09/16 19:08:24	Fixed (-21.0, -981.0)	HOP79 N-S scan (1/20)
09/16 19:11:30 - 09/16 20:44:54	Fixed (-21.0, -781.0)	(3/20)
09/16 20:48:00 - 09/16 22:21:54	Fixed (-21.0, -581.0)	(5/20)
09/16 22:25:00 - 09/16 23:56:54	Fixed (-21.0, -381.0)	(7/20)
09/17 00:00:00 - 09/17 01:20:54	Fixed (-21.0, -181.0)	(9/20)
09/17 02:29:00 - 09/17 04:02:54	Fixed (-21.0, 109.0)	(12/20)
09/17 04:06:00 - 09/17 05:40:24	Fixed (-21.0, 309.0)	(14/20)
09/17 05:43:30 - 09/17 07:17:54	Fixed (-21.0, 509.0)	(16/20)
09/17 07:21:00 - 09/17 08:54:24	Fixed (-21.0, 709.0)	(18/20)
09/17 08:57:30 - 09/17 09:25:00	Fixed (-21.0, 909.0)	HOP79 (20/20)

PROG= 13 30-time(s)

Subr= 1 20-time(s) 2.0sec

Seqn= 11 1-time(s) 2.0sec

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

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

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

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

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

* * * * * Active Region Search * * * * *

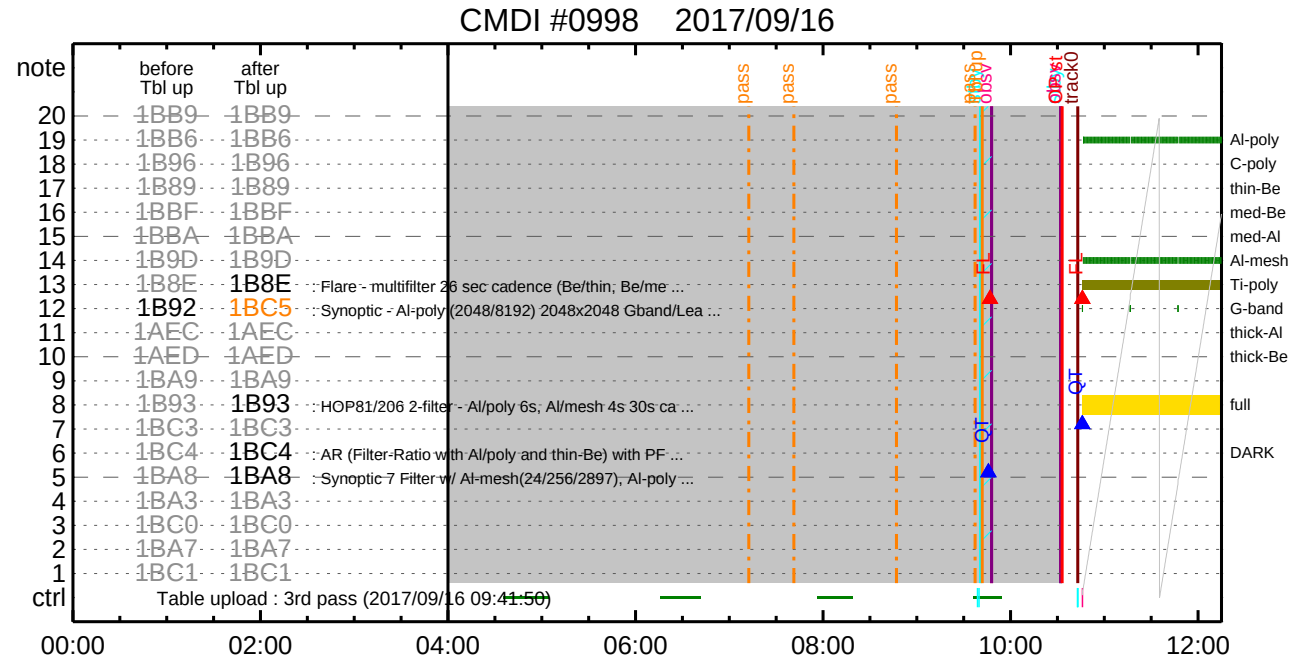
NOT USED

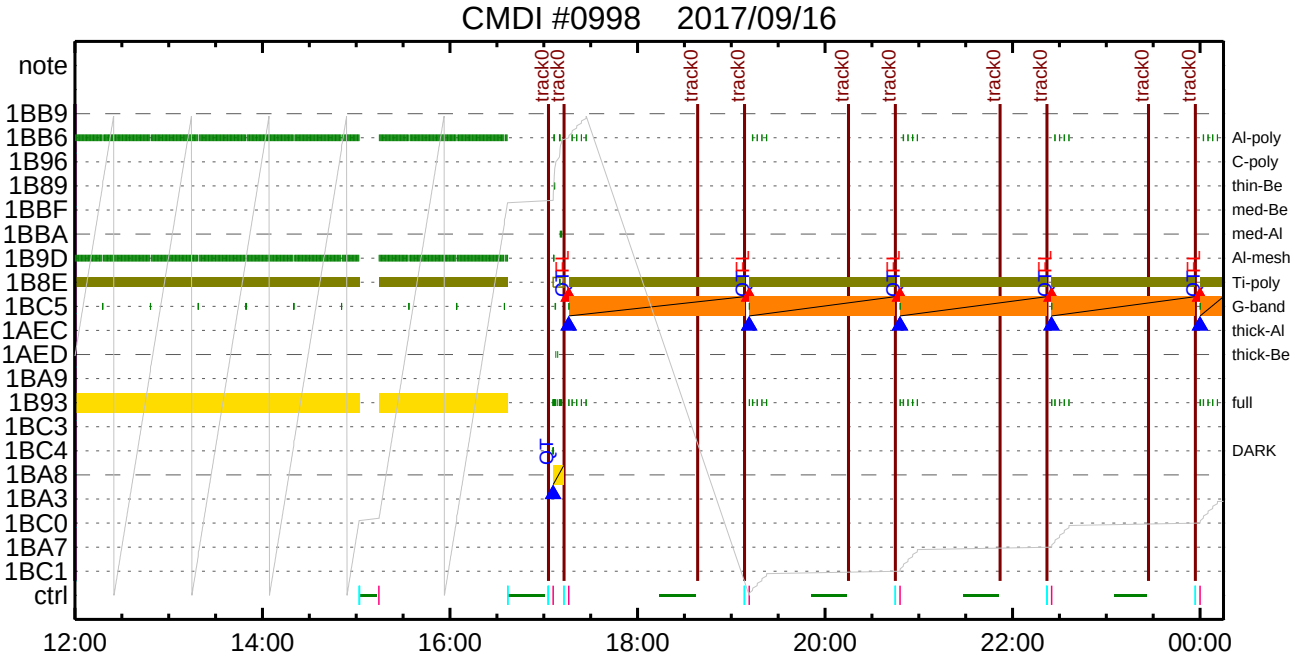
* * * * * Flare Detection * * * * *

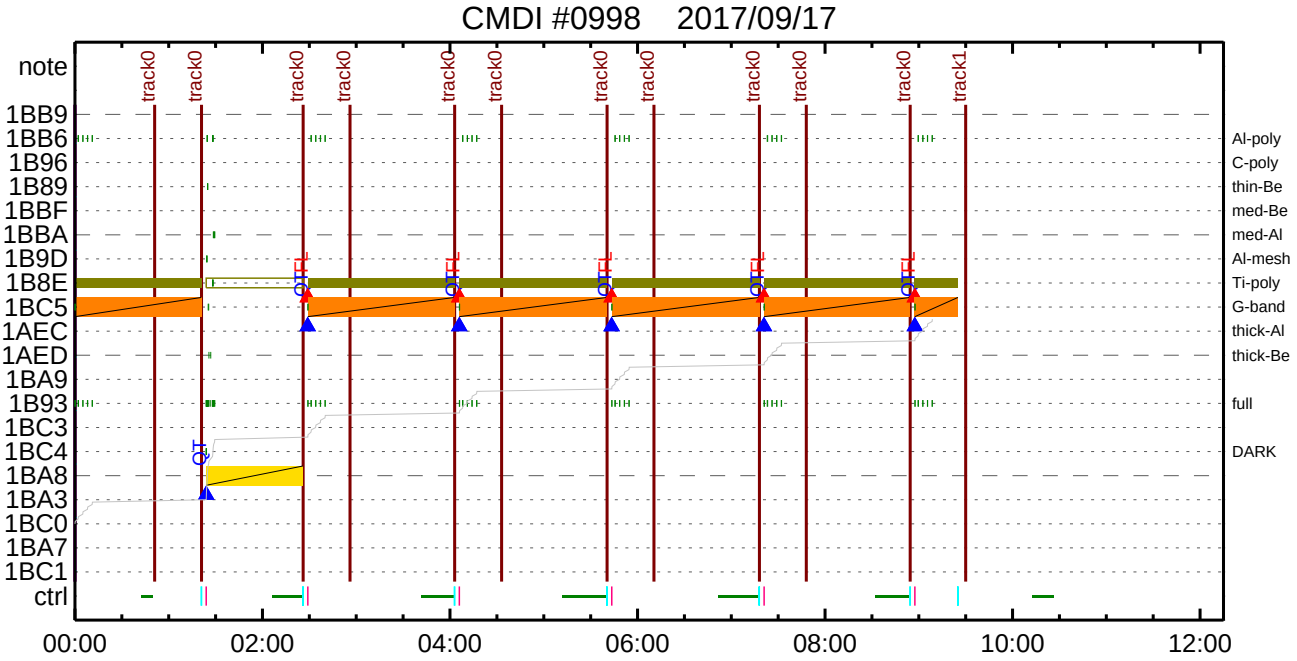
FLD Patrol

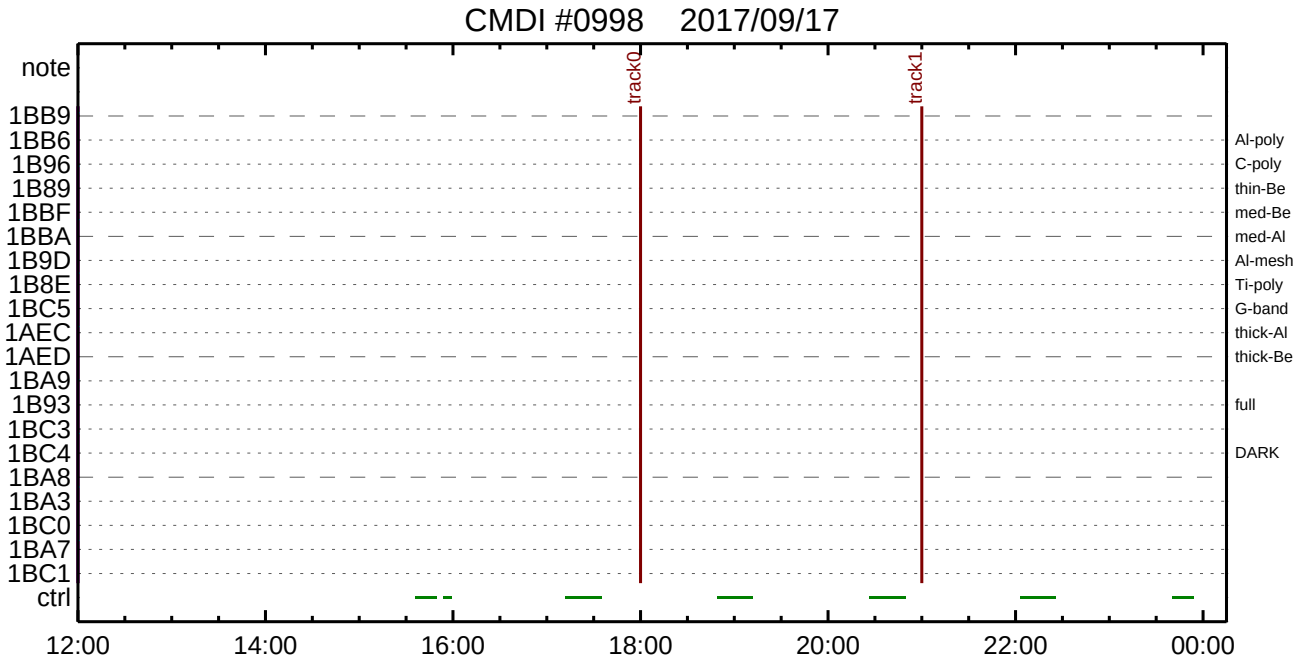
Term	Pointing (x, y)	Comment
09/16 17:13:18 - 09/17 01:21:18	Fixed (-21.0, -981.0)	HOP79 N-S scan (1/20)
09/17 02:26:18 - 09/21 09:59:00	Fixed (-21.0, 109.0)	(12/20)

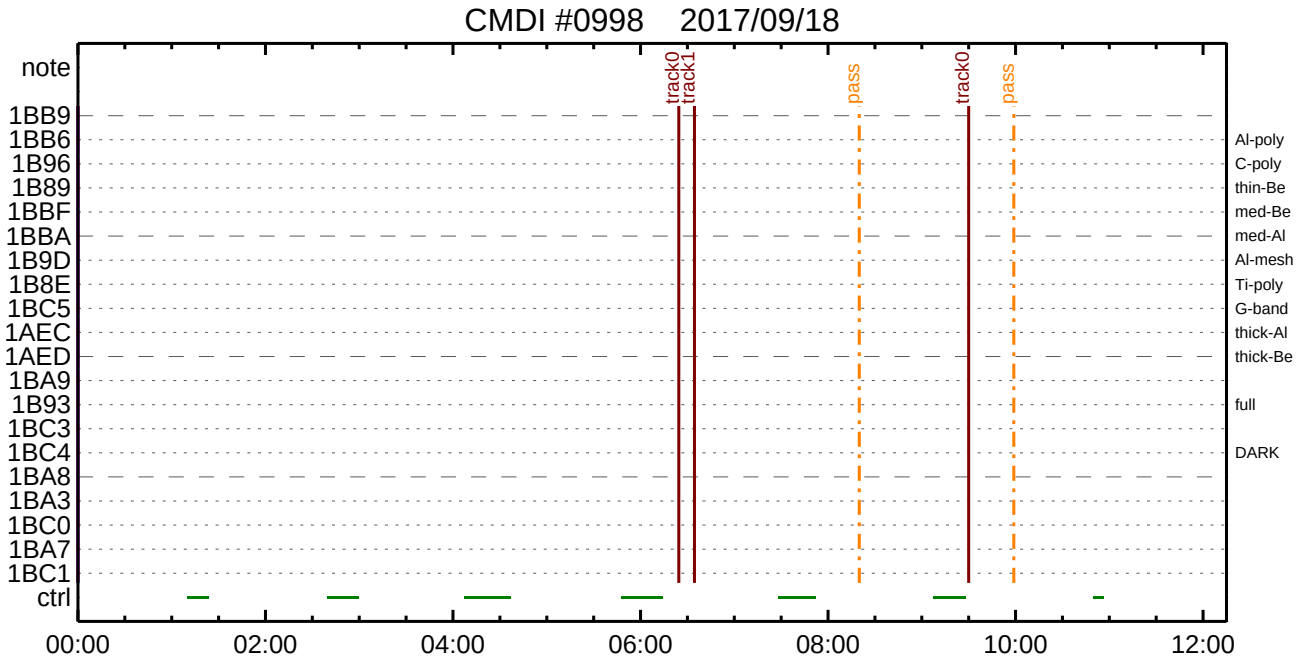
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC	Buffer	Interval
Al-poly/Open	Al-poly/Open	close	Safe	Norm	8ms	Obs	8x8		Q=50			30sec

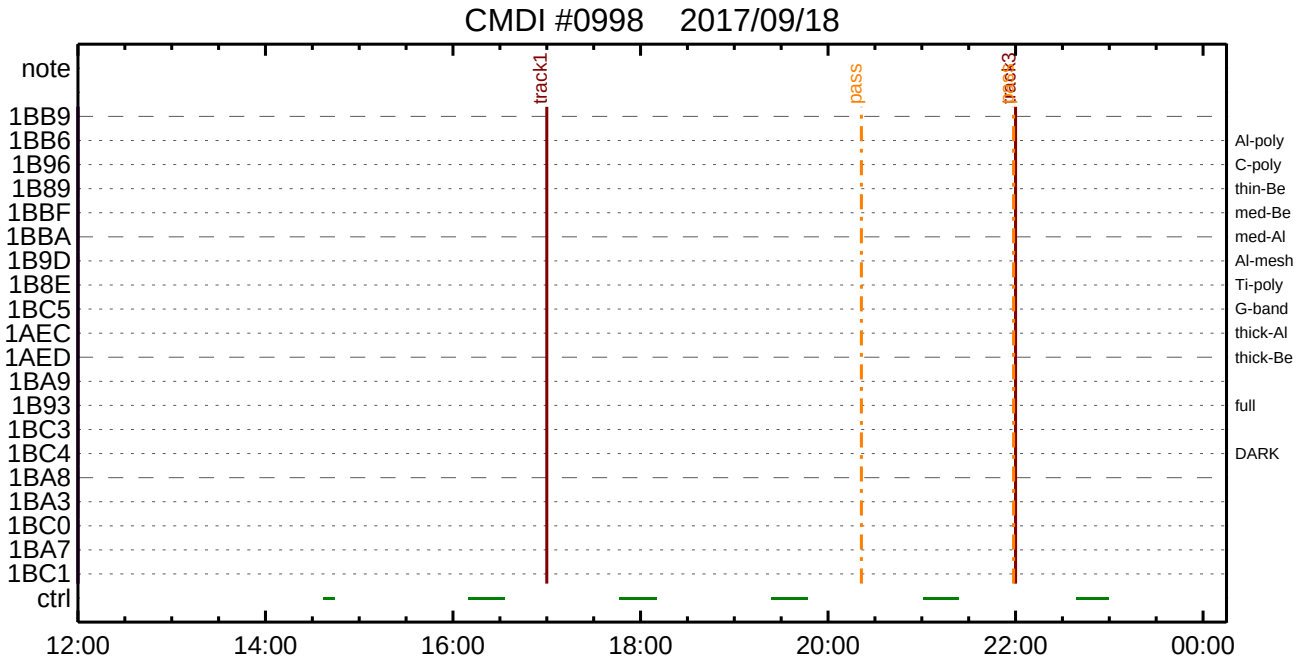

CMDI #0998 2017/09/16
note
before Tbl up
after Tbl up
1BB9 1BB9
1BB6 1BB6
1B96 1B96
1B89 1B89
1BBF 1BBF
1BBA 1BBA
1B9D 1B9D
1B8E 1B8E
1B92 1BC5
1AEC 1AEC
1AED 1AED
1BA9 1BA9
1B93 1B93
1BC3 1BC3
1BC4 1BC4
1BA8 1BA8
1BA3 1BA3
1BC0 1BC0
1BA7 1BA7
1BC1 1BC1
ctrl
: Flare - multifilter 26 sec cadence (Be/thin, Be/me ...
: Synoptic - Al-poly (2048/8192) 2048x2048 Gband/Lea ...
: HOP81/206 2-filter - Al/poly 6s, Al/mesh 4s 30s ca ...
: AR (Filter-Ratio with Al/poly and thin-Be) with PF ...
: Synoptic 7 Filter w/ Al-mesh(24/256/2897), Al-poly ...
Table upload : 3rd pass (2017/09/16 09:41:50)
pass
pass
pass
track0
FL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

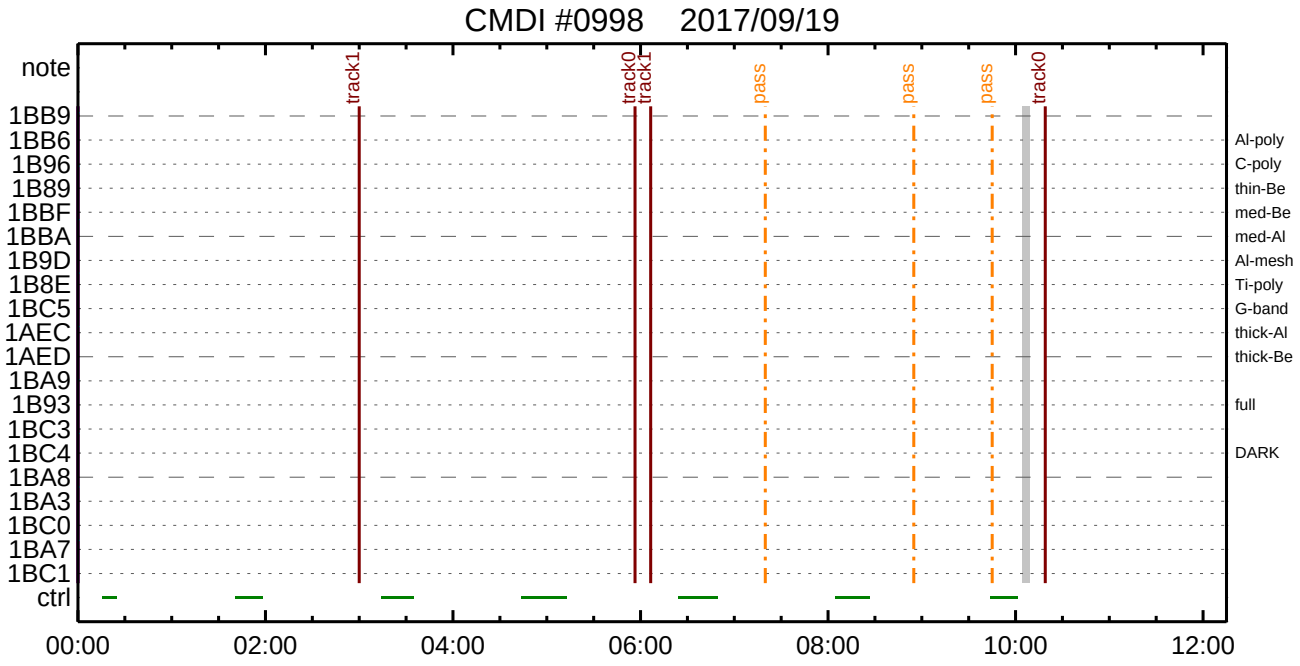

CMDI #0998 2017/09/16
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track0
QTFL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

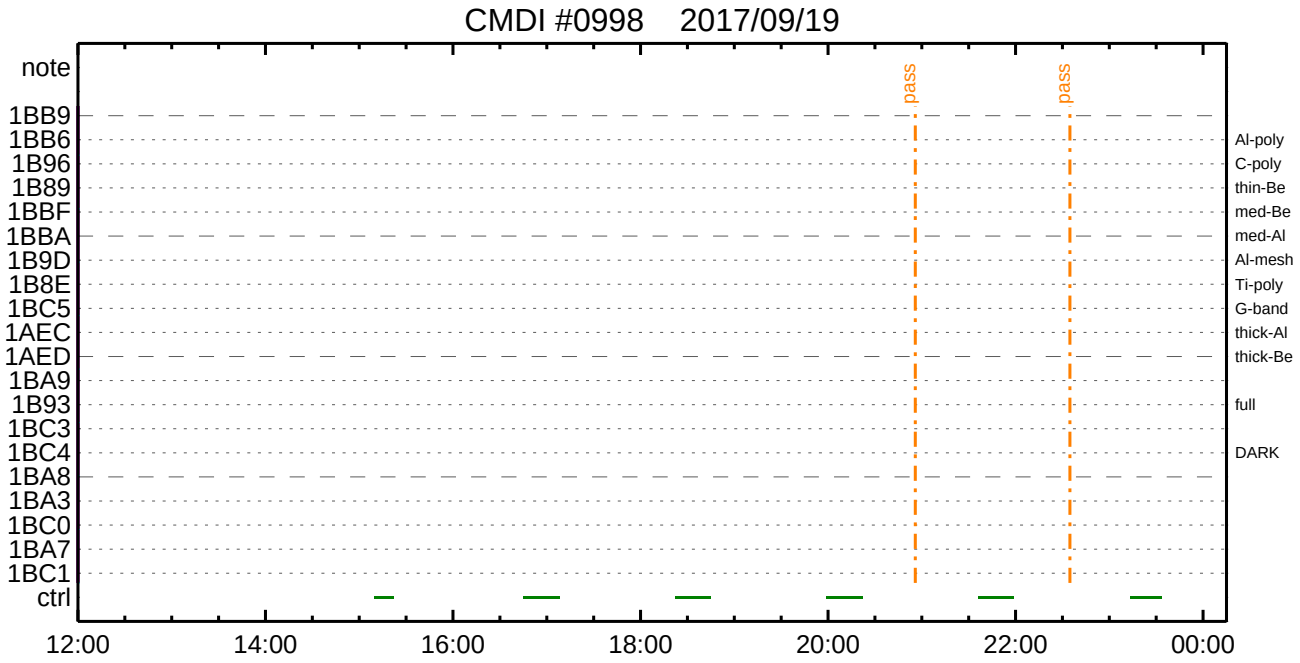

CMDI #0998 2017/09/17
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track0
track1
QTFL
QT
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

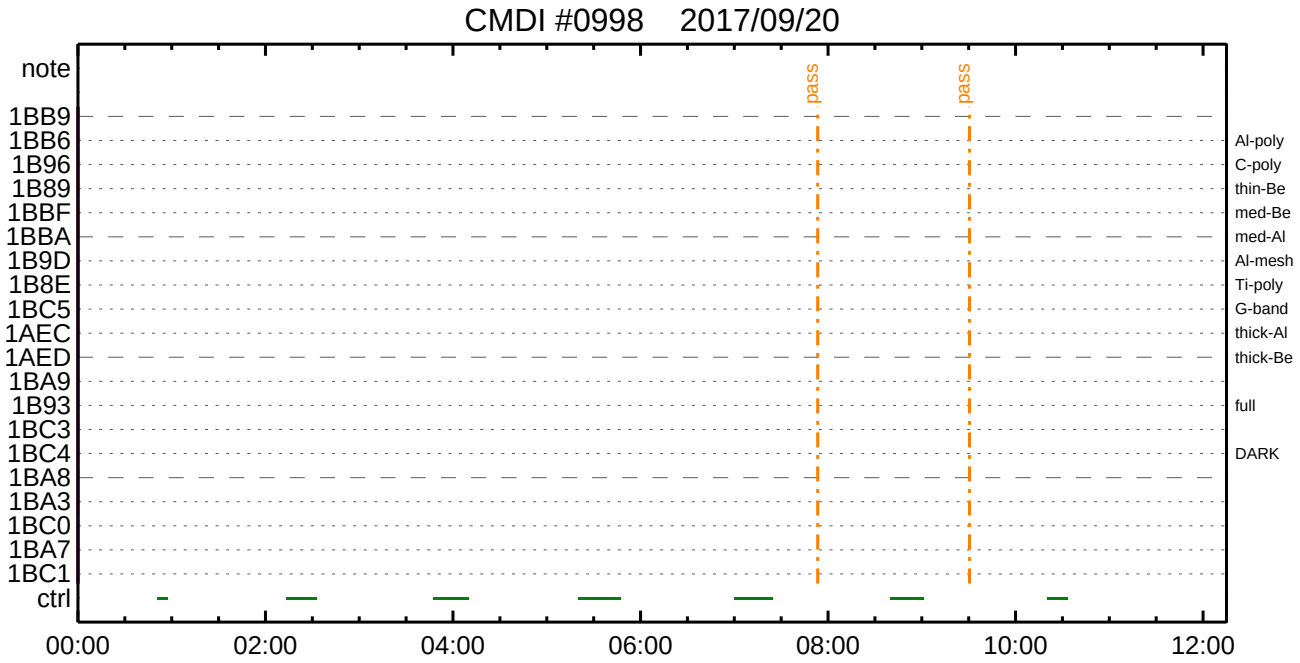

CMDI #0998 2017/09/17
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track0
track1
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

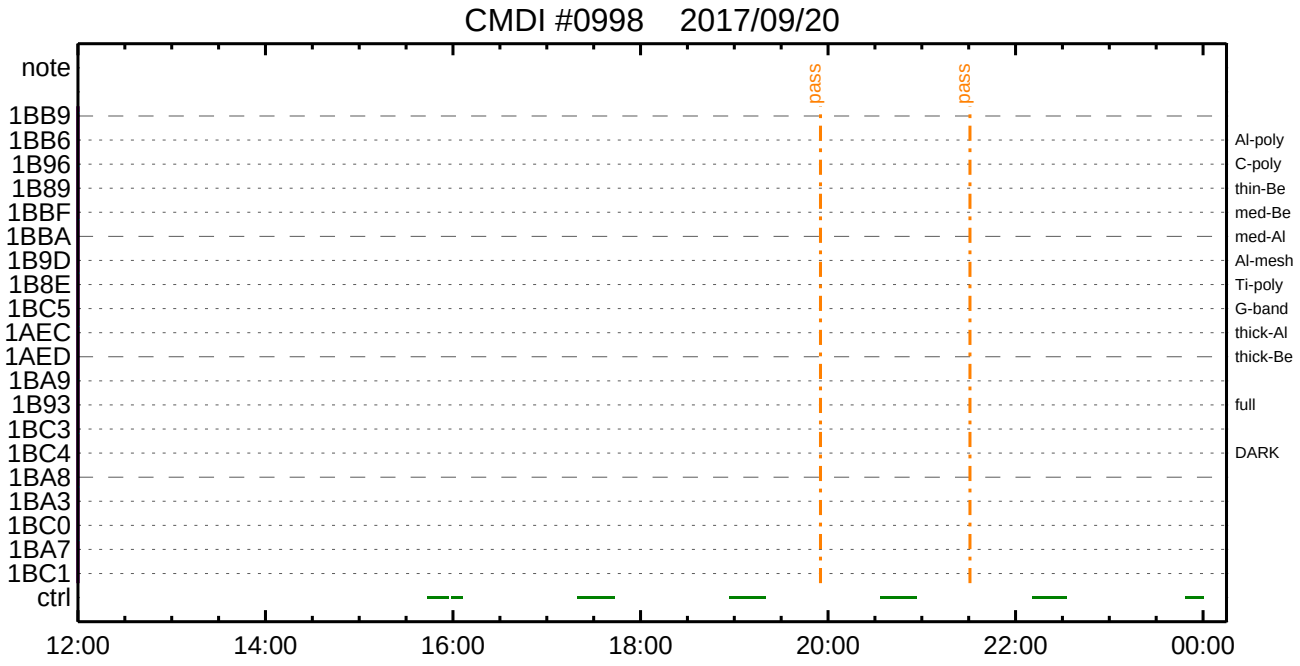

CMDI #0998 2017/09/18
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track0
track1
pass
track0
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00

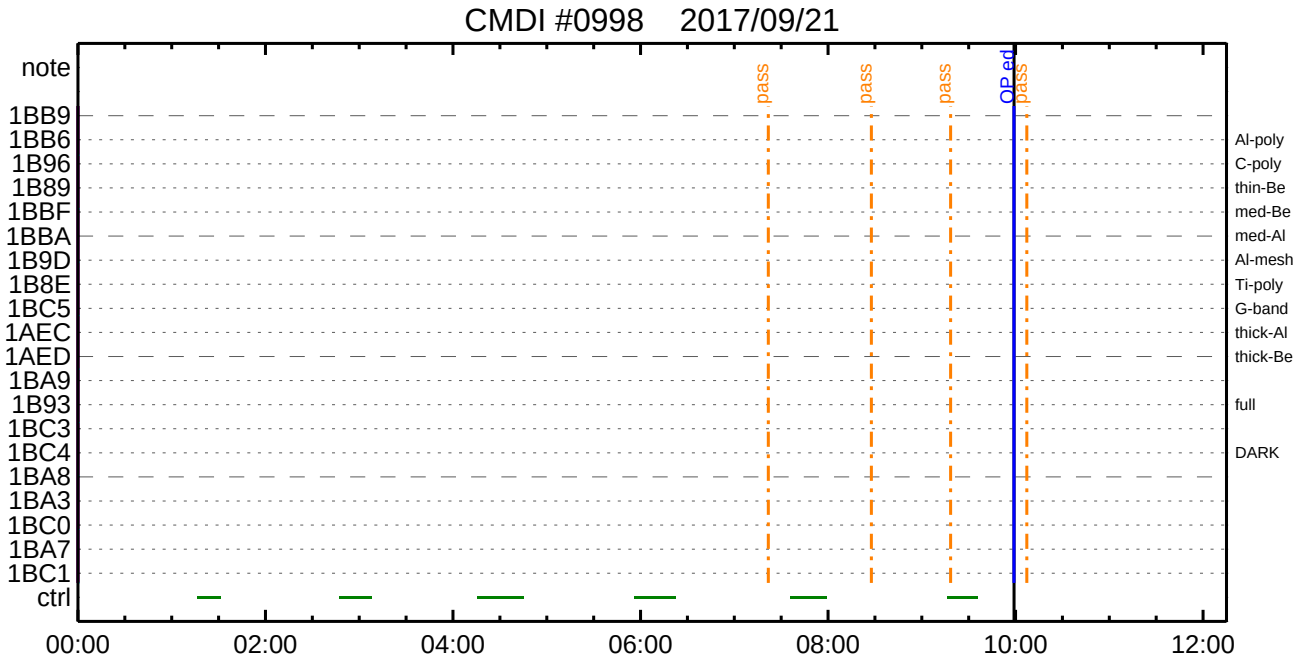

CMDI #0998 2017/09/18
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track1
pass
track3
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

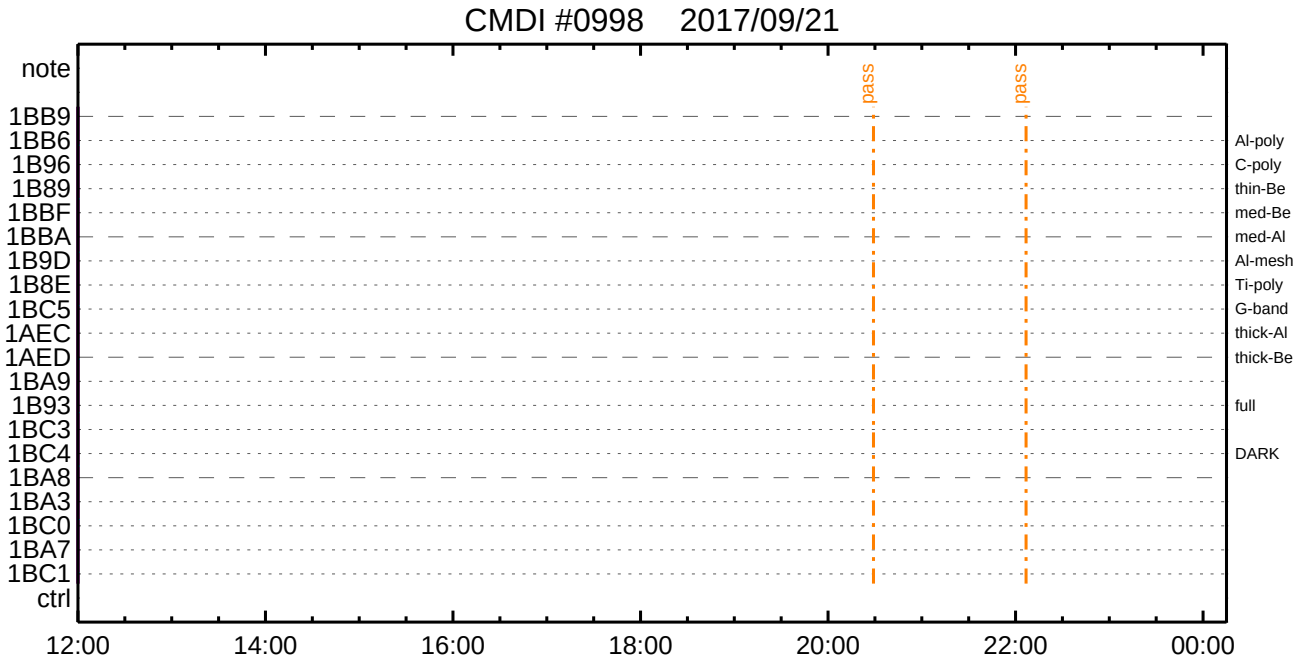

CMDI #0998 2017/09/19
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
track1
track0
track1
pass
pass
pass
track0
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0998 2017/09/19
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0998 2017/09/20
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0998 2017/09/20
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00


CMDI #0998 2017/09/21
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
pass
pass
pass
OP ed
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
00:00
02:00
04:00
06:00
08:00
10:00
12:00


CMDI #0998 2017/09/21
note
1BB9
1BB6
1B96
1B89
1BBF
1BBA
1B9D
1B8E
1BC5
1AEC
1AED
1BA9
1B93
1BC3
1BC4
1BA8
1BA3
1BC0
1BA7
1BC1
ctrl
pass
pass
Al-poly
C-poly
thin-Be
med-Be
med-Al
Al-mesh
Ti-poly
G-band
thick-Al
thick-Be
full
DARK
12:00
14:00
16:00
18:00
20:00
22:00
00:00

```
(a) Spacecraft Operation Procedure (real-commands)

main-861 2017-09-16 13:07:15 194 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. OP/OG¥í¡¼¥É¡¦¥À¥ó¥×
0016     C. ****************************
0017     C.
0018   . C. ¡ãOP/OG¥í¡¼¥É¡ä
0019   . S. OP    op-861:OP
0020     ()
0021   . S. OG    og-861:OG
0022     ()
0023     C.
0024   . C. ¡ãNMOG&OPÎÎ°è¥À¥ó¥×¡ä
0025     C. NMOG(0x200000-0x207FFF¡§ 32 kbyte)
0026   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0027     BC       (20 00 7f 01 02)
0028     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     40
0029     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0030     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0031     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0032     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0033   +. DC 01-22 DHU_MODE_CHNG
0034     BC       (07 0b f8)
0035     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0036     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0037     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0038     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0039     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0040   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0041     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0042   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0043     C.
0044     C. NMOG(0x208000-0x20FFFF¡§ 32 kbyte)
0045   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0046     BC       (20 80 7f 01 02)
0047     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     41
0048     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0049     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     127
0050     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0051     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0052   +. DC 01-22 DHU_MODE_CHNG
0053     BC       (07 0b f8)
0054     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0055     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0056     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0057     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0058     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0059   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0060     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0061   . C. RAM ID=NMOG¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0062     C.
0063     C. NMOG(0x210000-0x2100FF¡§ 256byte)+OP(0x210100-0x2141FF: 16.25kbyte)
0064   +. DC 01-23 DHU_DMA_DMP_PRM_SET
0065     BC       (21 00 41 01 02)
0066     C.                       ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     42
0067     C.                       ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     0
0068     C.                       ¢¢[HK1_DMP_BLOCK_NUM]           EQ     65
0069     C.                       ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0070     C.                       ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0071   +. DC 01-22 DHU_MODE_CHNG
0072     BC       (07 0b f8)
0073     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     7
0074     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0075     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0076     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0077     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0078   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0079     C.                       ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0080   . C. RAM ID=NMOG,RAM ID=OP¤Î¾È¹ç•ë²ÌOK¤ò³ÎÇ§
0081     C.
0082   . C. ***** °Ê²¼¤Ï¾Ã´¶Á°¤ËÉ¬¤ºÁ÷¿® (¾åµ-¥À¥ó¥×¼ê½ç¤òÅÓÃæ¤Ç½ª¤¨¤ë¾ì¹ç¤Ç¤â) *****
0083     C. DHU¥â¡¼¥É¡Ê¼ý¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0084   +. DC 01-22 DHU_MODE_CHNG
0085     BC       (02 0a f8)
0086     C.                       ¢¢[HK1_PKT_FORM_NO]             EQ     2
0087     C.                       ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0088     C.                       ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0089     C.                       ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0090     C.
0091   . C. ********************************
0092     C. TI-CMD SET (OPOG STOP/COPY/START)
0093     C. ********************************
0094     C.
0095   . C. NOTICE ¡§ OPOG UPLOAD¤¬Á÷¿®NG¤Î¾ì¹ç¡¢°Ê²¼¤ÎTI-CMDÁ÷¿®¤Ï¼Â¹Ô¤•¤Ê¤¤¤³¤È¡£
```

```
0096     C.           ¤Þ¤¿¡¢SET¤ÈDUMP¤ÏÆ±°ì¥Ñ¥¹¤Ç¹Î¤¦¤³¤È¡£
0097     C.
0098   . C. TI¥³¥Þ¥ó¥É¤òÅÐÏ¿(UT)
0099  +. TI 2017-09-16 10:28:00.0
0100     DC 01-B3 DHU_OP_STOP
0101     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0102     C.
0103  +. TI 2017-09-16 10:28:01.0
0104     DC 01-B4 DHU_OP_COPY
0105     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0106     C.
0107  +. TI 2017-09-16 10:28:01.0
0108     DC 01-B5 DHU_OPOG_COPY
0109     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0110     C.
0111  +. TI 2017-09-16 10:32:59.5
0112     DC 01-B2 DHU_OP_START
0113     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     1COUNTUP
0114     C.
0115     C. °Ê²¼¤ÏÄê¾ïÍÑ¤Î¥Á¥§¥Ã¥¯¹àÌÜ
0116     C.                      ¢¢[HK1_TI_CMD_ENA/DIS]          EQ     ENA
0117     C.                      ¢¢[HK1_TI_CMD_NUM]              EQ     4
0118     C.                      ¢¢[HK1_NEXT_EXEC_PIM]           EQ     DHU
0119     C.                      ¢¢[HK1_NEXT_EXEC_DC]            EQ     0xB3
0120     C.
0121   . C. ***************************
0122     C. TIÎÎ°è¥À¥ó¥×
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.                      ¢¢[HK1_DMP_TOP_ADRS_1]          EQ     07
0129     C.                      ¢¢[HK1_DMP_TOP_ADRS_0]          EQ     2B
0130     C.                      ¢¢[HK1_DMP_BLOCK_NUM]           EQ     3
0131     C.                      ¢¢[HK1_DMP_REPEAT_NUM]          EQ     0
0132     C.                      ¢¢[HK1_DMA_DMP_PIM]             EQ     DHU
0133  +. DC 01-22 DHU_MODE_CHNG
0134     BC       (07 0b f8)
0135     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     7
0136     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.25 s
0137     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32k
0138     C.                      ¢¢[HK1_X_TLM_BIT_RATE]          EQ     4M
0139     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     EXEC
0140     C.
0141   . C. ¥À¥ó¥×½ªÎ»¤ò³ÎÇ§
0142     C.                      ¢¢[HK1_DMP_CHK_FLG]             EQ     NON
0143     C.
0144   . C. RAM ID=TI_TBL¤Î¾È¹Ç•ë²ÌOK¤ò³ÎÇ§
0145     C.
0146   . C. DHU¥â¡¼¥É¡Ê¼ý¸¸¥ì¡¼¥È¡Ë¤òÌá¤¹
0147  +. DC 01-22 DHU_MODE_CHNG
0148     BC       (02 0a f8)
0149     C.                      ¢¢[HK1_PKT_FORM_NO]             EQ     2
0150     C.                      ¢¢[HK1_PKT_GEN_TIME]            EQ     0.5S
0151     C.                      ¢¢[HK1_S_TLM_BIT_RATE]          EQ     32K
0152     C.                      ¢¢[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 2017-09-16 10:32:30.0
0161     DC 07-FC EIS_MODE_MANU
0162     BC       (21 02)
0163  +. TI 2017-09-16 10:32:40.0
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 2017-09-16 10:32:00.0
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 ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0181     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0182   . S. DC-BC dcbc-402:DCBC
0183     (MDP_known_event)
0184     C.
0185     C.
0186   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0187   . S. DC-BC dcbc-153:DCBC
0188     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0189     C.
0190     C.
0191   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0192     C.
0193   . C. ********** LOS **********
```

0194 C.

```
(a) Spacecraft Operation Procedure (real-commands)

main-862 2017-09-16 13:07:15 169 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ËËè½µ•îÍË¡Ë¤Ë¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_ORB_UPD
0012     C.
0013     C.
0014   . C. ****************************
0015     C. XÁ÷¿®µ¡ON
0016     C. ****************************
0017     C. ¢¨ ºÆÀ¸ Í×ÈÝ¤äLOS¤Þ¤ÇÇ¤Î»Þ´Ö¤ò¹ÍÎ¸ ¤•¡¢ÉÔÍ×¤ÊXÂÓON¤Ï¹Ô¤Ê¤ï¤Ê¤¤¤³¤È¡£
0018     C.
0019   +. DC 03-B4 TCIA_XPA_ON/HI
0020     M. WAIT_SEC   1
0021   +  DC 03-84 TCIA_XMOD_ON
0022     M. WAIT_SEC   1
0023   +  DC 03-95 TCIA_XMOD_QPSK
0024     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     ON
0025     C.                      ¢¢[HK1_XPA_PWR_HI/LO]           EQ     HI
0026     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     ON
0027     C.                      ¢¢[HK1_XMOD_QPSK/PM]            EQ     QPSK
0028     C.
0029   . C. X¥Ð¥ó¥É¥í¥Ã¥¯¾õÂÖ¤¬°ÂÄê¤•¤¿¤é¡¢°Ê²¼¤ÎºÆÀ¸ ¼ê½ç¤ò¼Â¹Ô¤¹¤ë¡£
0030     C.
0031   . C. ***************
0032     C. DR PT1 ÄÌ¾ïºÆÀ¸
0033     C. ***************
0034     C. ¢¨ RESTART¡ÊPT1¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-150¤Ø¿Ê¤à¡£
0035     C.
0036   . C. ¡ãPT1ºÆÀ¸ ³«»Ï¡ä
0037   +. DC 01-29 DHU_S/X_VC4_OFF
0038   +  DC 06-C8 DR_PT1_REP_SEL
0039     BC       (01 00)
0040   +  DC 06-B3 DR_REP_START
0041   +  DC 01-32 DHU_X_VC4_ON
0042     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0043     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0044     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0045     C.
0046   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0047   +. DC 06-B3 DR_REP_START
0048   +  DC 01-32 DHU_X_VC4_ON
0049     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT1    (¼Â¹Ô¸¡¾Ú)
0050     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0051     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0052     C.
0053     C.
0054   . C. PT1ºÆÀ¸ ¤¬¼«Æ°Ää»ß¤•¤¿¸å¡¢°Ê²¼¤ò¼Â¹Ô¤¹¤ë¡£
0055     C. ¥¢¥ó¥Æ¥ÈÀÚÂØ¤äÅ•Ä°²óÈò¤¬¶á¤¤¾ì¹ç¤Ï´°Î»¤¹¤ë¤Þ¤ÇÂÔ¤Ä¡£
0056     C.
0057   . C. ***************
0058     C. DR PT2 ÄÌ¾ïºÆÀ¸
0059     C. ***************
0060     C. ¢¨ RESTART¡ÊPT2¡Ë¤•¤¿¤¤¾ì¹ç¤Ï¡¢°Ê²¼¤Ï¼Â¹Ô¤»¤º¡¢DCBC-151¤Ø¿Ê¤à¡£
0061     C.
0062   . C. ¡ãPT2ºÆÀ¸ ³«»Ï¡ä
0063   +. DC 01-29 DHU_S/X_VC4_OFF
0064   +  DC 06-C8 DR_PT2_REP_SEL
0065     BC       (02 00)
0066   +  DC 06-B3 DR_REP_START
0067   +  DC 01-32 DHU_X_VC4_ON
0068     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0069     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0070     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0071     C.
0072   . C. ¡ã¥¢¥ó¥Æ¥ÈÀÚÂØ¡ÊÅ•Ä°²óÈò¡Ë¸å¤ÎºÆÀ¸ ºÆ³«¡ä
0073   +. DC 06-B3 DR_REP_START
0074   +  DC 01-32 DHU_X_VC4_ON
0075     C.                      ¢¢[HK1_REP_PT_1/2]              EQ     PT2    (¼Â¹Ô¸¡¾Ú)
0076     C.                      ¢¢[HK1_REP_STA/STP]             EQ     START  (¼Â¹Ô¸¡¾Ú)
0077     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     ON     (¼Â¹Ô¸¡¾Ú)
0078     C.
0079   . C. ****************************
0080     C. DRºÆÀ¸ Ää»ß¡¢XÁ÷¿®µ¡OFF
0081     C. ****************************
0082     C.
0083   . C. ¡ãDRºÆÀ¸ Ää»ß¡ä
0084   +. DC 06-B4 DR_REP_STOP
0085   +  DC 01-29 DHU_S/X_VC4_OFF
0086     C.                      ¢¢[HK1_REP_STA/STP]             EQ     STOP
0087     C.                      ¢¢[HK1_S_VC4_ON/OFF]            EQ     OFF
0088     C.                      ¢¢[HK1_X_VC4_ON/OFF]            EQ     OFF
0089     C.
0090   . C. ¡ãXÁ÷¿®µ¡OFF¡ä
0091   +. DC 03-85 TCIA_XMOD_OFF
0092     M. WAIT_SEC   1
0093   +  DC 03-B5 TCIA_XPA_OFF
0094     C.                      ¢¢[HK1_XMOD_ON/OFF]             EQ     OFF
0095     C.                      ¢¢[HK1_XPA_ON/OFF]              EQ     OFF
```

```
0096     C.
0097     C.
0098   . C. ***** AOCS Commands (Tracking Curve Upload) ******
0099     C. Upload the Orbit Element and the Target Attitude
0100     C. RAM-ID:TARGET_ATT
0101   . S. RAM   ram-150:TARGET_ATT
0102     ()
0103     C.
0104     C.
0105     C. Set the dump memory area of TARGET_ATT
0106  +. DC 02-48 AOCU_DUMP_SET
0107     BC       (07 00 00 00 18 00)
0108     C.
0109     C.    <A_STS1>[MEMORY OPERATE SATUS] ADRS = 070000 [ ]
0110     C.
0111     C.
0112     C. Change the TLMFormatNo for the AOCS Dump Format
0113  +. DC 01-22 DHU_MODE_CHNG
0114     BC       (04 0b f8)
0115     C.
0116     C. Wait for AOCSDUMP to end
0117     C.
0118   . C. Check the dump memory
0119     C.
0120     C.                                       Result = OK [ ]
0121     C.
0122  +. DC 01-22 DHU_MODE_CHNG
0123     BC       (02 0a f8)
0124     C.
0125     C.                         <A_***>[TLM STS] FMT = 2 [ ]
0126     C.
0127  +. DC 02-8E AOCU_ORB_UPD
0128   . C.
0129   . C. Load OBSTBL, dump OBSTBL, enable EIS mode changes
0130  +. DC 07-FC EIS_MODE_CHG_ENA
0131     BC       (20)
0132   . C. Verify EIS_MODE_CHG_FLG is ENA
0133  +. DC 07-FC EIS_MODE_MANU
0134     BC       (21 02)
0135   . C. Verify EIS in MANUAL mode
0136   . C. Estimated OBSTBL upload time is 1m32s
0137     C. ********************************
0138     C. EIS START OBSTBL LOAD
0139     C. ********************************
0140   . S. RAM   ram-820:EIS_OBSTBL
0141     ()
0142  +. DC 07-FC EIS_DUMP_OBSTBL
0143     BC       (07 07 07 00 00 70 00)
0144     C.
0145     C. Execute, after the success of OBSTBL upload.
0146     C. Set EIS TI-commands
0147  +. TI 2017-09-16 10:32:50.0
0148     DC 07-FC EIS_MODE_CHG_ENA
0149     BC       (20)
0150   . C.                         [   ]  [HK1_TI_CMD_NUM]     EQ    1 COUNTUP
0151     C. ********************************
0152     C. EIS END OBSTBL LOAD
0153     C. ********************************
0154     C.
0155   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0156     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0157   . S. DC-BC dcbc-402:DCBC
0158     (MDP_known_event)
0159     C.
0160     C.
0161   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0162   . S. DC-BC dcbc-153:DCBC
0163     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0164     C.
0165     C.
0166   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0167     C.
0168   . C. ********** LOS **********
0169     C.
```

```
(a) Spacecraft Operation Procedure (real-commands)

main-863 2017-09-16 13:07:15 100 33 SOLAR-B MAIN //
0001     C.
0002   . C. *********** AOS ***********
0003     C.
0004   . C. ¡ãAOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0005     C.
0006     C. ¥À¥ß¡¼¥³¥Þ¥ó¥ÉÁ÷¿®
0007   +. DC 00-00 NULL_DUMMY_CMD
0008     C.
0009   . C. ***** AOCS : Reload orbital element (send every contact) *****
0010     C.  Ãí¡Ë¤¿¤À¤•µ°Æ»Í×ÁÇ¤Î¥¢¥Ã¥×¥í¡¼¥É¡ÊËè½µ•îÍË¡Ë¤¼ºÇÔ¤•¤¿¾ì¹ç¤Ï¡¢À®¸ù¤¹¤ë¤Þ¤ÇÁ÷¿®¤•¤Ê¤¤¤³¤È¡£
0011   +. DC 02-8E AOCU_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 85 83 06 06)
0046   +  DC 07-F0 MDP_XRT_ROI_SET
0047     BC       (cd 07 85 83 08 08)
0048   +  DC 07-F0 MDP_XRT_ROI_SET
0049     BC       (cd 08 80 80 20 20)
0050   +  DC 07-F0 MDP_XRT_ROI_SET
0051     BC       (cd 09 80 80 20 08)
0052   +  DC 07-F0 MDP_XRT_ROI_SET
0053     BC       (cd 0a 80 80 08 20)
0054   +  DC 07-F0 MDP_XRT_ROI_SET
0055     BC       (cd 0f 80 80 06 06)
0056   +  DC 07-F0 MDP_XRT_ROI_SET
0057     BC       (cd 10 80 80 08 08)
0058   +  DC 07-F0 MDP_XRT_FLD_ENA
0059     BC       (d8)
0060   +  DC 07-F0 MDP_XRT_FLRCTRL_ENA
0061     BC       (c8)
0062   +  DC 07-F0 MDP_XRT_ARS_DIS
0063     BC       (d5)
0064   +. DC 07-F0 MDP_XRT_AEC_RESET
0065     BC       (d0)
0066   +. DC 07-F0 MDP_XRT_FLD_RESET
0067     BC       (da)
0068   +. DC 07-F0 MDP_XRT_QT_PROG_SET
0069     BC       (c4 06)
0070   +. DC 07-F0 MDP_XRT_FL_PROG_SET
0071     BC       (c5 0d)
0072   . C. ---------- Success Verify ?            OK / NG ____
0073     C.
0074     C.
0075   . C. All OK?   Yes--> Please Proceed. / No --> Stop here.
0076     C.
0077   +. DC 07-F0 MDP_XRT_MODE_OBSV
0078     BC       (c2)
0079   +. TI 2017-09-16 10:32:02.0
0080     DC 07-F0 MDP_XRT_MODE_OBSV
0081     BC       (c2)
0082   . C. ---------- Success Verify ?            OK / NG ____
0083     C.
0084     C. ************ XRT END ***********
0085     C.
0086   . C. ***** MDP ´ûÃÎ¤Î»ö¾Ý¤ËÂÐ¤¹¤ëDCBC•×²è *****
0087     C. (¾å°Ì¥Ó¥Ã¥È¥Þ¥Ë¥å¥¢¥ë¤Ë½¾¤¤¼Â»Ü¤¹¤ë)
0088   . S. DC-BC dcbc-402:DCBC
0089     (MDP_known_event)
0090     C.
0091     C.
0092   . C. ***** ¥Ð¥¹•Ï Daily±¿ÍÑ¤Ë´Ø¤¹¤ëDCBC•×²è *****
0093   . S. DC-BC dcbc-153:DCBC
0094     (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0095     C.
```

```
0096     C.
0097   . C. ¡ãLOS¥Á¥§¥Ã¥¯¼Â»Ü¡ä
0098     C.
0099   . C. ********** LOS **********
0100     C.
```

```
*** OP Sequence for XRT ***

2017/09/16  10:42:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  10:42:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  10:42:58.0  XRT_FOCUS_POSITION_435_OG [0x1b3]
                                XRT_FOCUS_POSITION   4 07-F8 22 fe 97 00
2017/09/16  10:43:00.0  AOCS_ORe-point_Start_1_OG [0x097]
                                AOCU_NM              5 02-76 00 b3 34 01 db
2017/09/16  10:43:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  10:43:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  10:43:22.0  XRT_AEC_RESET_448_OG [0x1c0]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  10:43:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  10:43:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  10:45:56.0  XRT_QT_PROG_SET_409_OG [0x199]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 08
2017/09/16  10:45:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/16  10:46:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  15:02:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  15:02:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  15:02:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  15:02:06.0  XRT_PREFLR_STRT_449_OG [0x1c1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2017/09/16  15:05:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2017/09/16  15:13:30.0  XRT_Custom_430_OG [0x1ae]
2017/09/16  15:14:30.0  XRT_CTRL_AUTO_424_OG [0x1a8]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  16:37:00.0  XRT_CTRL_MANU_400_OG [0x190]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  16:37:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  16:37:04.0  XRT_FLD_RESET_415_OG [0x19f]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  16:37:06.0  XRT_PREFLR_STRT_449_OG [0x1c1]
                                MDP_XRT_PREFLR_STRT  1 07-F0 e8
2017/09/16  16:40:14.0  XRT_PREFLR_STOP_419_OG [0x1a3]
                                MDP_XRT_PREFLR_STOP  1 07-F0 e9
2017/09/16  17:02:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  17:02:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  17:02:58.0  XRT_FOCUS_POSITION_403_OG [0x193]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  17:03:00.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2017/09/16  17:03:18.0  XRT_FLD_DIS_425_OG [0x1a9]
                                MDP_XRT_FLD_DIS      1 07-F0 d9
2017/09/16  17:05:54.0  XRT_FLRCTRL_DIS_405_OG [0x195]
                                MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2017/09/16  17:05:56.0  XRT_ARS_DIS_423_OG [0x1a7]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  17:05:58.0  XRT_QT_PROG_SET_426_OG [0x1aa]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2017/09/16  17:06:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  17:12:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  17:12:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  17:12:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  17:13:00.0  AOCS_ORe-point_Start_3_OG [0x099]
                                AOCU_NM              5 02-76 00 57 33 01 db
2017/09/16  17:13:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  17:13:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  17:13:22.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  17:13:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  17:13:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  17:15:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/16  17:15:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/16  17:16:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  18:38:30.0  AOCS_ORe-point_Start_4_OG [0x09a]
                                AOCU_NM              5 02-76 00 4e 4d 01 db
```

```
2017/09/16  19:08:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  19:08:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  19:08:28.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  19:08:30.0  AOCS_ORe-point_Start_5_OG [0x09b]
                                AOCU_NM              5 02-76 00 45 68 01 db
2017/09/16  19:08:48.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  19:08:50.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  19:08:52.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  19:08:54.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  19:08:56.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  19:11:26.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/16  19:11:28.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/16  19:11:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  20:15:00.0  AOCS_ORe-point_Start_6_OG [0x09c]
                                AOCU_NM              5 02-76 00 3c 8b 01 db
2017/09/16  20:44:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  20:44:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  20:44:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  20:45:00.0  AOCS_ORe-point_Start_7_OG [0x09d]
                                AOCU_NM              5 02-76 00 33 a5 01 db
2017/09/16  20:45:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  20:45:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  20:45:22.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  20:45:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  20:45:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  20:47:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/16  20:47:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/16  20:48:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  21:52:00.0  AOCS_ORe-point_Start_8_OG [0x09e]
                                AOCU_NM              5 02-76 00 2a c0 01 db
2017/09/16  22:21:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  22:21:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  22:21:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  22:22:00.0  AOCS_ORe-point_Start_9_OG [0x09f]
                                AOCU_NM              5 02-76 00 21 db 01 db
2017/09/16  22:22:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  22:22:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  22:22:22.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  22:22:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  22:22:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  22:24:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/16  22:24:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/16  22:25:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/16  23:27:00.0  AOCS_ORe-point_Start_10_OG [0x0a0]
                                AOCU_NM              5 02-76 00 18 fd 01 db
2017/09/16  23:56:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  23:56:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/16  23:56:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/16  23:57:00.0  AOCS_ORe-point_Start_11_OG [0x0a1]
                                AOCU_NM              5 02-76 00 10 18 01 db
2017/09/16  23:57:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/16  23:57:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/16  23:57:22.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/16  23:57:24.0  XRT_ARS_DIS_445_OG [0x1bd]
```

```
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/16  23:57:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/16  23:59:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/16  23:59:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  00:00:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  00:51:00.0  AOCS_ORe-point_Start_12_OG [0x0a2]
                                    AOCU_NM              5 02-76 00 07 33 01 db
2017/09/17  01:20:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  01:20:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  01:20:58.0  XRT_FOCUS_POSITION_403_OG [0x193]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  01:21:00.0  AOCS_ORe-point_Start_13_OG [0x0a3]
                                    AOCU_NM              5 02-76 00 ff 34 01 db
2017/09/17  01:21:18.0  XRT_FLD_DIS_425_OG [0x1a9]
                                    MDP_XRT_FLD_DIS      1 07-F0 d9
2017/09/17  01:23:54.0  XRT_FLRCTRL_DIS_405_OG [0x195]
                                    MDP_XRT_FLRCTRL_DIS  1 07-F0 c9
2017/09/17  01:23:56.0  XRT_ARS_DIS_423_OG [0x1a7]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  01:23:58.0  XRT_QT_PROG_SET_426_OG [0x1aa]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 05
2017/09/17  01:24:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  02:25:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  02:25:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  02:25:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  02:26:00.0  AOCS_ORe-point_Start_14_OG [0x0a4]
                                    AOCU_NM              5 02-76 00 f6 4e 01 db
2017/09/17  02:26:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/17  02:26:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/17  02:26:22.0  XRT_AEC_RESET_401_OG [0x191]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/17  02:26:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  02:26:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/17  02:28:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/17  02:28:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  02:29:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  02:56:00.0  AOCS_ORe-point_Start_15_OG [0x0a5]
                                    AOCU_NM              5 02-76 00 ed 69 01 db
2017/09/17  04:02:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  04:02:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  04:02:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  04:03:00.5  AOCS_ORe-point_Start_16_OG [0x0a6]
                                    AOCU_NM              5 02-76 00 e4 8c 01 db
2017/09/17  04:03:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/17  04:03:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/17  04:03:22.0  XRT_AEC_RESET_401_OG [0x191]
                                    MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/17  04:03:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                    MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  04:03:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                    MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/17  04:05:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                    MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/17  04:05:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                    MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  04:06:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                    MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  04:33:00.0  AOCS_ORe-point_Start_17_OG [0x0a7]
                                    AOCU_NM              5 02-76 00 db a6 01 db
2017/09/17  05:40:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  05:40:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                    MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  05:40:28.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                    XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  05:40:30.0  AOCS_ORe-point_Start_18_OG [0x0a8]
                                    AOCU_NM              5 02-76 00 d2 c1 01 db
2017/09/17  05:40:48.0  XRT_FLD_ENA_418_OG [0x1a2]
                                    MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/17  05:40:50.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                    MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
```

```
2017/09/17  05:40:52.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/17  05:40:54.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  05:40:56.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/17  05:43:26.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/17  05:43:28.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  05:43:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  06:10:30.0  AOCS_ORe-point_Start_19_OG [0x0a9]
                                AOCU_NM              5 02-76 00 c9 dc 01 db
2017/09/17  07:17:54.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  07:17:56.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  07:17:58.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  07:18:00.0  AOCS_ORe-point_Start_20_OG [0x0aa]
                                AOCU_NM              5 02-76 00 c0 fe 01 db
2017/09/17  07:18:18.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/17  07:18:20.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/17  07:18:22.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/17  07:18:24.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  07:18:26.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/17  07:20:56.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/17  07:20:58.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  07:21:00.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  07:48:00.0  AOCS_ORe-point_Start_21_OG [0x0ab]
                                AOCU_NM              5 02-76 00 b8 19 01 db
2017/09/17  08:54:24.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  08:54:26.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  08:54:28.0  XRT_FOCUS_POSITION_432_OG [0x1b0]
                                XRT_FOCUS_POSITION   4 07-F8 22 ff aa 00
2017/09/17  08:54:30.0  AOCS_ORe-point_Start_22_OG [0x0ac]
                                AOCU_NM              5 02-76 00 af 34 01 db
2017/09/17  08:54:48.0  XRT_FLD_ENA_418_OG [0x1a2]
                                MDP_XRT_FLD_ENA      1 07-F0 d8
2017/09/17  08:54:50.0  XRT_FLRCTRL_ENA_442_OG [0x1ba]
                                MDP_XRT_FLRCTRL_ENA  1 07-F0 c8
2017/09/17  08:54:52.0  XRT_AEC_RESET_401_OG [0x191]
                                MDP_XRT_AEC_RESET    1 07-F0 d0
2017/09/17  08:54:54.0  XRT_ARS_DIS_445_OG [0x1bd]
                                MDP_XRT_ARS_DIS      1 07-F0 d5
2017/09/17  08:54:56.0  XRT_FLD_RESET_443_OG [0x1bb]
                                MDP_XRT_FLD_RESET    1 07-F0 da
2017/09/17  08:57:26.0  XRT_QT_PROG_SET_406_OG [0x196]
                                MDP_XRT_QT_PROG_SET  2 07-F0 c4 0c
2017/09/17  08:57:28.0  XRT_FL_PROG_SET_440_OG [0x1b8]
                                MDP_XRT_FL_PROG_SET  2 07-F0 c5 0d
2017/09/17  08:57:30.0  XRT_CTRL_AUTO_408_OG [0x198]
                                MDP_XRT_CTRL_AUTO    1 07-F0 c0
2017/09/17  09:25:00.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  09:25:02.0  XRT_CTRL_MANU_402_OG [0x192]
                                MDP_XRT_CTRL_MANU    1 07-F0 c1
2017/09/17  09:26:00.0  XRT_TCIB_XRT_S_HTR_A_ENA_422_OG [0x1a6]
                                TCIB_XRT_S_HTR_A_ENA 0 04-BC
2017/09/17  09:30:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/17  18:00:00.0  AOCS_ORe-point_Start_24_OG [0x0ae]
                                AOCU_NM              5 02-76 00 ca a8 00 00
2017/09/17  21:00:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/18  06:24:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2017/09/18  06:34:30.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/18  09:30:00.0  AOCS_ORe-point_Start_25_OG [0x0af]
                                AOCU_NM              5 02-76 00 53 33 01 db
2017/09/18  17:00:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/18  22:00:00.0  AOCS_ORe-point_Start_26_OG [0x0b0]
                                AOCU_NM              5 02-76 03 03 33 01 db
2017/09/19  03:00:00.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/19  05:56:30.0  AOCS_ORe-point_Start_2_OG [0x098]
                                AOCU_NM              5 02-76 00 00 00 00 00
2017/09/19  06:06:30.0  AOCS_ORe-point_Start_23_OG [0x0ad]
                                AOCU_NM              5 02-76 01 00 00 00 00
2017/09/19  10:19:00.0  AOCS_ORe-point_Start_2_OG [0x098]
```

```
AOCU_NM                5 02-76 00 00 00 00 00
```