

XRT Timeline to be uploaded on 2012/05/19

Period: 2012/05/19 10:06:00 - 2012/06/24 12:00:00

* * * * *

Normal mode

* * * * *

XOB #16AC: G-Band Alignment with North Pole Q90 2x2(G-band only) - 5min cadence - Partial Sun-wNGT													
Term	Pointing (x, y)		Comment										
05/19 10:31:00 - 05/19 12:15:54	Fixed (0.0, 945.0)		# OP start + 10min, Coalignment at the North limb.										
PROG= 08 1-time(s)													
└─ Subr= 1 1-time(s) 360.0sec													
└─ Seqn= 21 24-time(s) 300.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x1536 (1024, 768)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	
XOB #16AD: G-Band Alignment with East limb Q90 2x2 (G-band only) - 8 min cadence-wNGT													
Term	Pointing (x, y)		Comment										
05/19 12:31:00 - 05/19 14:15:54	Fixed (-945.0, 0.0)		# Coalignment at East limb.										
PROG= 18 1-time(s)													
└─ Subr= 1 1-time(s) 360.0sec													
└─ Seqn= 22 15-time(s) 480.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	1536x2048 (1280, 1024)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	
XOB #1839: AR Standard-B(Morphology) with PFB, FW1=Open, Ti/Poly, 384x384 at 1064 1048, 120sec-cad													
Term	Pointing (x, y)		Comment										
05/19 14:19:00 - 05/19 17:45:54	Track (-558.2, 162.5) ^{Ⓞ 05/19 14:16:00}		# Observe AR at East limb.										
05/19 18:43:30 - 05/20 06:01:24	Track (-531.0, 163.0) ^{Ⓞ 05/19 17:56:00}		# AR cont.										
PROG= 11 Inf.-time(s)													
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 19 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 41 4-time(s) 2.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 76 35-time(s) 120.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	30.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	30.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	30.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	30.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	
XOB #18EA: Synoptic Q95 2x2 - Al/mesh(12/723) + Dark cal(2x2 4x4 8x8 512 Q98) + Dark cal(1x1 512x2048 - 1x1 2048x512) + Ti-poly(24/1443) + G-band(16)													
Term	Pointing (x, y)		Comment										
05/19 17:49:00 - 05/19 17:55:54	Fixed (0.0, 0.0)		synoptic, shifted -14.0 min										
05/20 06:04:30 - 05/20 06:11:24	Fixed (0.0, 0.0)		synoptic, shifted 1.5 min										
05/20 18:02:30 - 05/20 18:37:00	Fixed (0.0, 0.0)		synoptic, shifted -0.5 min.										
05/21 05:32:00 - 05/21 05:38:54	Fixed (0.0, 0.0)		synoptic, shifted -31.0 min										
05/21 18:22:00 - 05/21 18:28:54	Fixed (0.0, 0.0)		synoptic, shifted 19.0 min										
05/22 06:08:00 - 05/22 06:14:54	Fixed (0.0, 0.0)		synoptic, shifted 5.0 min										
PROG= 07 1-time(s)													
└─ Subr= 1 1-time(s) 12.0sec													
└─ Seqn= 46 1-time(s) 4.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	12ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	707ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 5 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	2x2	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	4x4	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	8x8	2048x2048 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	2048x512 (1024, 1024)	DPCM	0	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	500ms	Obs	1x1	512x2048 (1024, 1024)	DPCM	0	0	2.0sec
└─ Seqn= 69 1-time(s) 4.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	24ms	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.41s	Obs	2x2	2048x2048 (1024, 1024)	Q=95	0	0	2.0sec
└─ Seqn= 4 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	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 #174E: HOP81 2-filter - Ti/poly 8s, Al/mesh 4s, G-band - 384x384													
Term	Pointing (x, y)		Comment										
05/20 06:14:30 - 05/20 13:41:30	Fixed (-8.0, -973.0)		# HOP 200 with La Palma (8-10UT).										
05/21 08:14:00 - 05/21 09:59:54	Fixed (-8.0, -973.0)		# HOP 200.										
05/22 06:18:00 - 05/22 08:15:00	Fixed (-8.0, -973.0)		# HOP 200.										

PROG= 10 Inf.-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	63ms	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
└─ Subr= 2 30-time(s) 2.0sec													
└─ Seqn= 58 2-time(s) 30.0sec													
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	4.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	8.00s	Obs	1x1	384x384 (1064, 1048)	Q=90	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #18EB: Eclipse20120520_Ti-Poly_Movie_25min												
	Term	Pointing (x, y)		Comment								
	05/20 21:28:06 - 05/20 21:54:00	Fixed (0.0, 0.0)		# Eclipse 1 - XRT PR movie at disk center.								
	05/21 00:21:06 - 05/21 00:46:54	Track (670.7, 222.8) @ 05/21 00:10:00		# Eclipse 3 - Support radio observations of AR (00:39:30-00:46:30).								
	05/21 01:48:06 - 05/21 02:29:54	Fixed (0.0, 0.0)		# Eclipse 4 - XRT PR movie at disk center.								

PROG= 06 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 2 1-time(s) 2.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	2048x2048 (1024, 1024)	Q=90	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	125ms	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	250ms	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 78 75-time(s) 20.0sec													
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	2.00s	Obs	2x2	2048x2048 (1024, 1024)	Q=92	0	0	2.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

XOB #18EC: Eclipse20120520_G-Band_Movie_15min												
	Term	Pointing (x, y)		Comment								
	05/20 23:00:06 - 05/20 23:32:00	Fixed (372.0, -627.0)		# Eclipse 2 - SOT stray light measurements								

PROG= 09 1-time(s)													
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 4 45-time(s) 20.0sec													
	Open/G-band	Open/G-band	open	Safe	Norm	16ms	Obs	2x2	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 #183E: AR Standard-B(Morphology) with PFB, FW1=Open, Ti/Poly, 384x384 at 1064 1048, 80sec-cad												
	Term	Pointing (x, y)		Comment								
	05/21 00:50:00 - 05/21 01:10:30	Track (245.6, 159.9) @ 05/21 00:47:00		# Support radio observations of AR (00:52:30-01:20:30).								
	05/21 02:33:00 - 05/21 05:28:54	Track (260.7, 159.6) @ 05/21 02:30:00		# AR observations.								
	05/21 05:42:00 - 05/21 07:37:00	Track (288.2, 159.1) @ 05/21 05:39:00		# AR observations.								
	05/21 10:03:00 - 05/21 17:35:30	Track (325.6, 158.3) @ 05/21 10:00:00		# AR observations.								
	05/21 18:32:00 - 05/22 06:04:54	Track (397.0, 156.7) @ 05/21 18:29:00		# AR observations.								

PROG= 19 Inf.-time(s)													
└─ Subr= 2 1-time(s) 2.0sec													
└─ Seqn= 19 1-time(s) 2.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Dark	16.0s	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1064, 1048)	Q=98	0	0	2.0sec
└─ Seqn= 41 4-time(s) 2.0sec													
	Open/Al-mesh	Open/Ti-poly	close	Safe	Norm	250ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
	Open/thick-Al	Open/thick-Be	close	Safe	Norm	1.00s	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	2.0sec
└─ Subr= 1 1-time(s) 2.0sec													
└─ Seqn= 16 30-time(s) 80.0sec													
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	0	20.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	1	20.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	2	20.0sec
	Open/Ti-poly	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1064, 1048)	Q=95	3	3	20.0sec
	Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

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

XOB #1828: Flare Standard Obs. with eruptions mode-A (FW1=Open)												
	Term	Pointing (x, y)		Comment								
	05/21 02:33:00 - 05/21 05:28:54	Track (260.7, 159.6) @ 05/21 02:30:00		# AR observations.								
	05/21 05:42:00 - 05/21 07:37:00	Track (288.2, 159.1) @ 05/21 05:39:00		# AR observations.								
	05/21 08:14:00 - 05/21 09:59:54	Fixed (-8.0, -973.0)		# HOP 200.								
	05/21 10:03:00 - 05/21 17:35:30	Track (325.6, 158.3) @ 05/21 10:00:00		# AR observations.								
	05/21 18:32:00 - 05/22 06:04:54	Track (397.0, 156.7) @ 05/21 18:29:00		# AR observations.								
	05/22 06:18:00 - 05/22 08:15:00	Fixed (-8.0, -973.0)		# HOP 200.								

PROG= 13 1-time(s)													
└─ Subr= 1 30-time(s) 20.0sec													
└─ Seqn= 88 1-time(s) 2.0sec													
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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=100 1-time(s) 2.0sec													

	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 2	1-time(s)	2.0sec											
	Seqn= 90	1-time(s)	2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	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
Subr= 3	30-time(s)	60.0sec											
	Seqn= 88	1-time(s)	2.0sec										
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60	1-time(s)	2.0sec										
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 2	1-time(s)	2.0sec											
	Seqn= 90	1-time(s)	2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	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
Subr= 3	30-time(s)	60.0sec											
	Seqn= 88	1-time(s)	2.0sec										
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60	1-time(s)	2.0sec										
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 2	1-time(s)	2.0sec											
	Seqn= 90	1-time(s)	2.0sec										
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	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
Subr= 3	30-time(s)	60.0sec											
	Seqn= 88	1-time(s)	2.0sec										
	Open/thick-Al	Open/thick-Al	close	Safe	Norm	1.00s	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= 60	1-time(s)	2.0sec										
	Open/Al-mesh	Open/Al-mesh	close	Safe	Norm	125ms	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
	Open/Ti-poly	Open/Ti-poly	close	Safe	Norm	1.00s	Obs	2x2	512x512 (1024, 1024)	Q=95	2	0	2.0sec
Subr= 4	24-time(s)	600.0sec											
	Seqn= 89	1-time(s)	2.0sec										
	Open/Al-mesh	Open/thick-Al	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
	Open/Ti-poly	Open/thick-Be	close	Safe	Norm	500ms	Obs	1x1	384x384 (1024, 1024)	Q=95	1	0	2.0sec
	Open/G-band	Open/G-band	open	Safe	Norm	63ms	Obs	1x1	384x384 (1024, 1024)	Q=98	0	0	2.0sec
	Open/Al-mesh	Open/Al-mesh	close	Safe	Dark	1.00s	Obs	1x1	384x384 (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	

* * * * *

Active Region Search

* * * * *

NOT USED

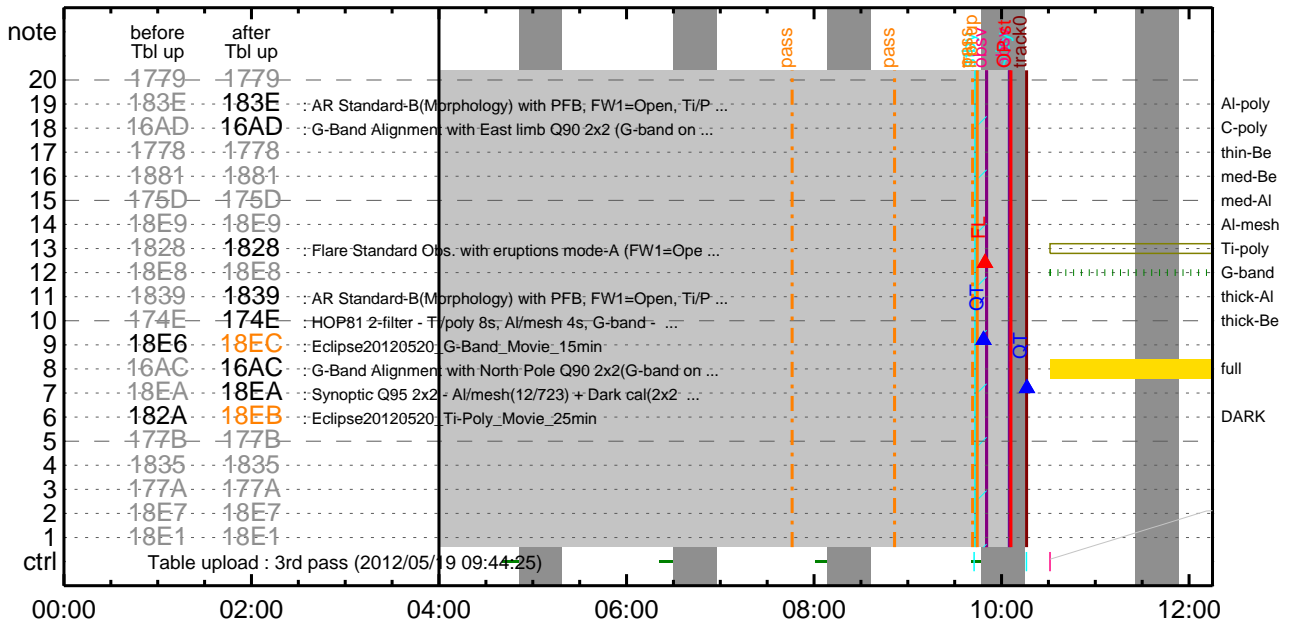
* * * * *

Flare Detection

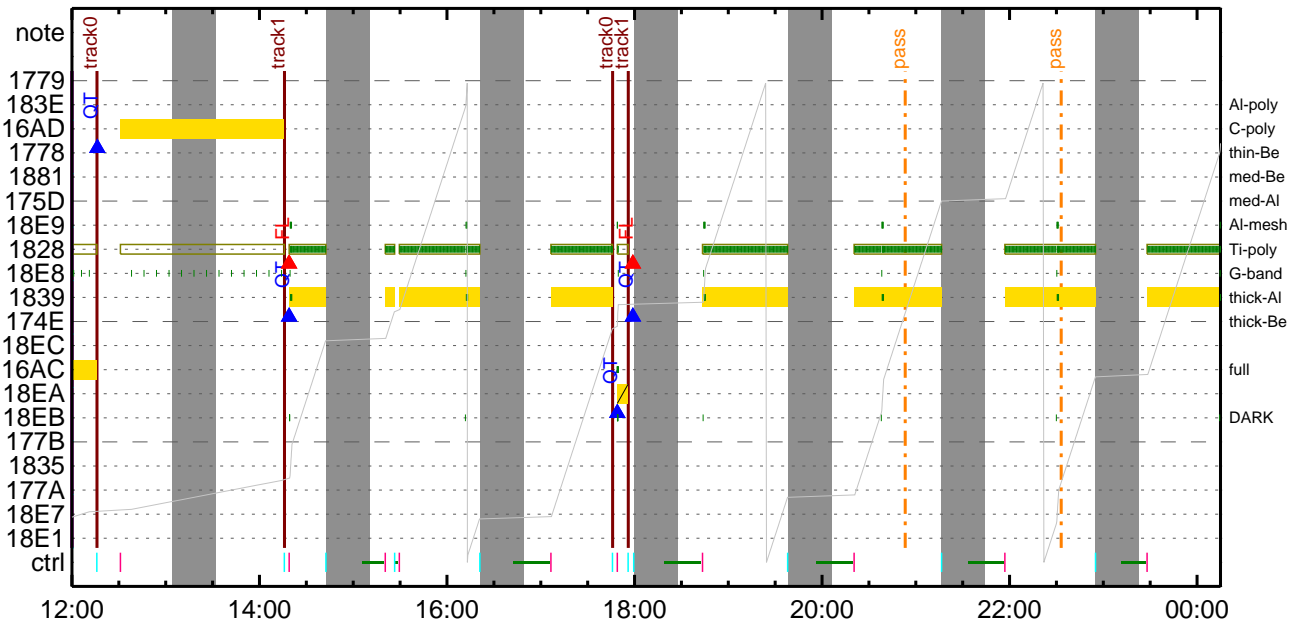
* * * * *

FLD Patrol												
Term	Pointing (x, y)								Comment			
05/19 14:18:46 - 05/19 17:46:16	Track (-558.2, 162.5) ^{Ⓜ 05/19 14:16:00}								# Observe AR at East limb.			
05/19 17:58:46 - 05/20 06:01:46	Track (-531.0, 163.0) ^{Ⓜ 05/19 17:56:00}								# AR cont.			
05/20 06:14:16 - 05/20 17:59:46	Fixed (-8.0, -973.0)								# HOP 200 with La Palma (8-10UT).			
05/21 00:49:46 - 05/21 01:45:22	Track (245.6, 159.9) ^{Ⓜ 05/21 00:47:00}								# Support radio observations of AR (00:52:30-01:20:30).			
05/21 02:32:46 - 05/21 05:29:16	Track (260.7, 159.6) ^{Ⓜ 05/21 02:30:00}								# AR observations.			
05/21 05:41:46 - 05/21 18:19:16	Track (288.2, 159.1) ^{Ⓜ 05/21 05:39:00}								# AR observations.			
05/21 18:31:46 - 05/22 06:05:16	Track (397.0, 156.7) ^{Ⓜ 05/21 18:29:00}								# AR observations.			
05/22 06:17:46 - 06/24 12:00:00	Fixed (-8.0, -973.0)								# HOP 200.			
Open/Ti-poly	Open/thick-Al	close	Safe	Norm	8ms	Obs	8x8			Q=50		30sec
Default Filter	Thicker Filter	VLS	mode	image	Exp.	CCD	Bin	ROI: size (center)	Comp.	AEC Buffer	Interval	

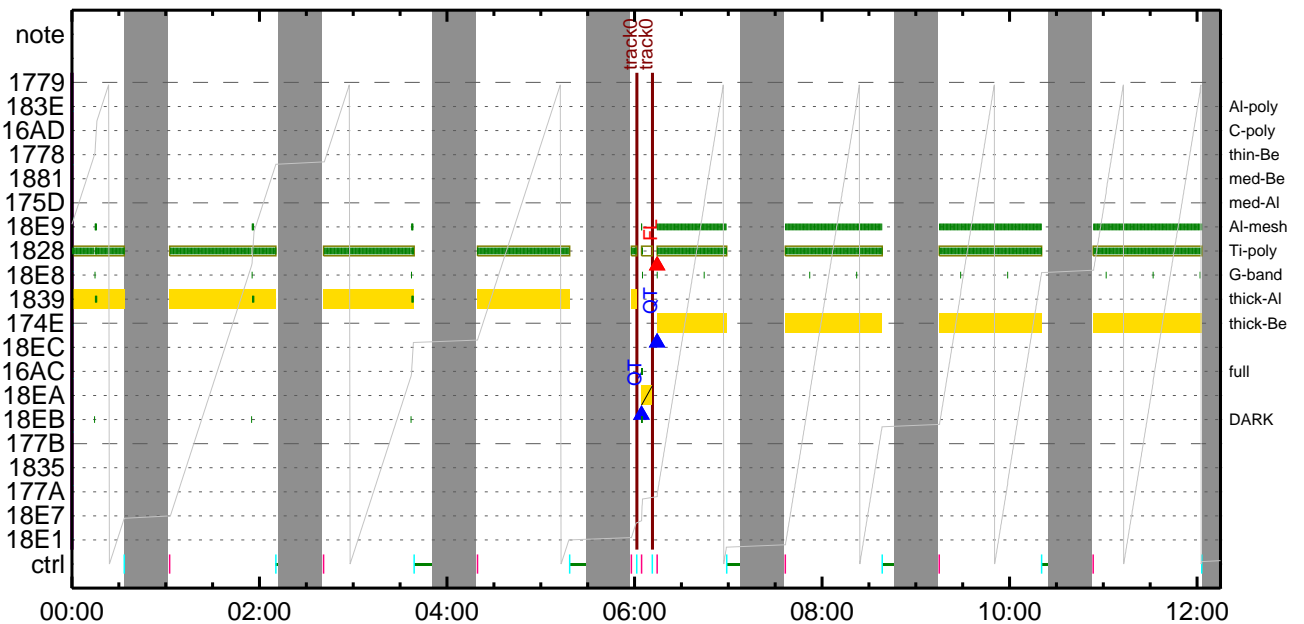
CMDI #0639 2012/05/19



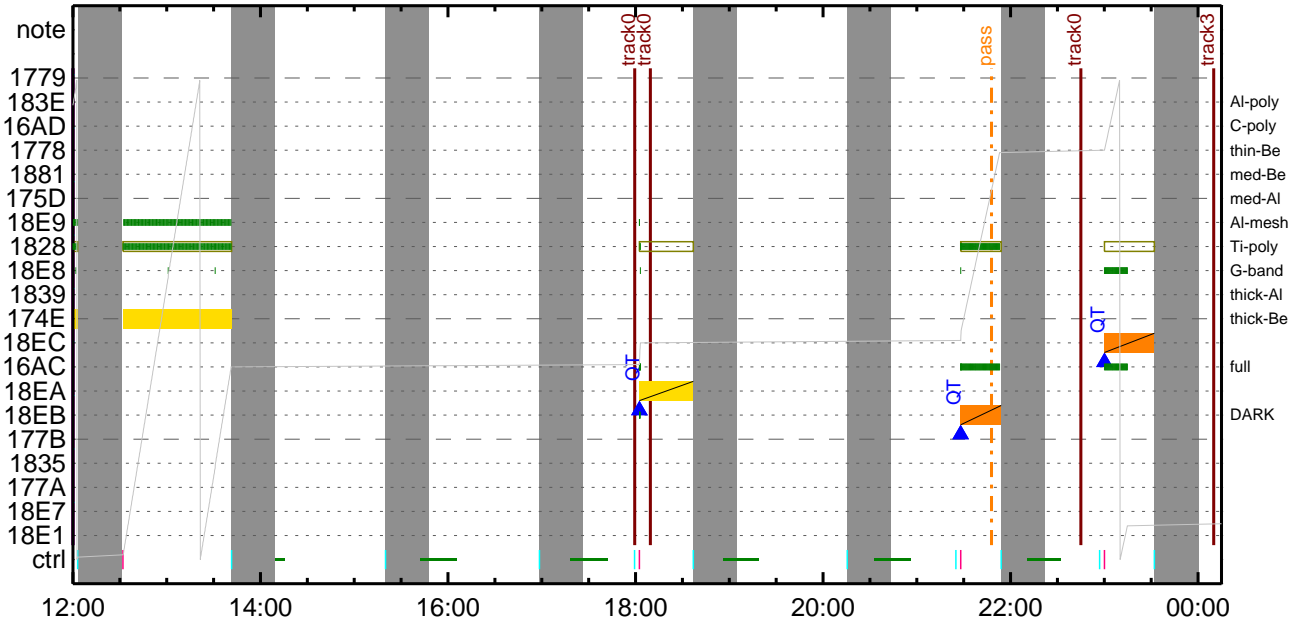
CMDI #0639 2012/05/19



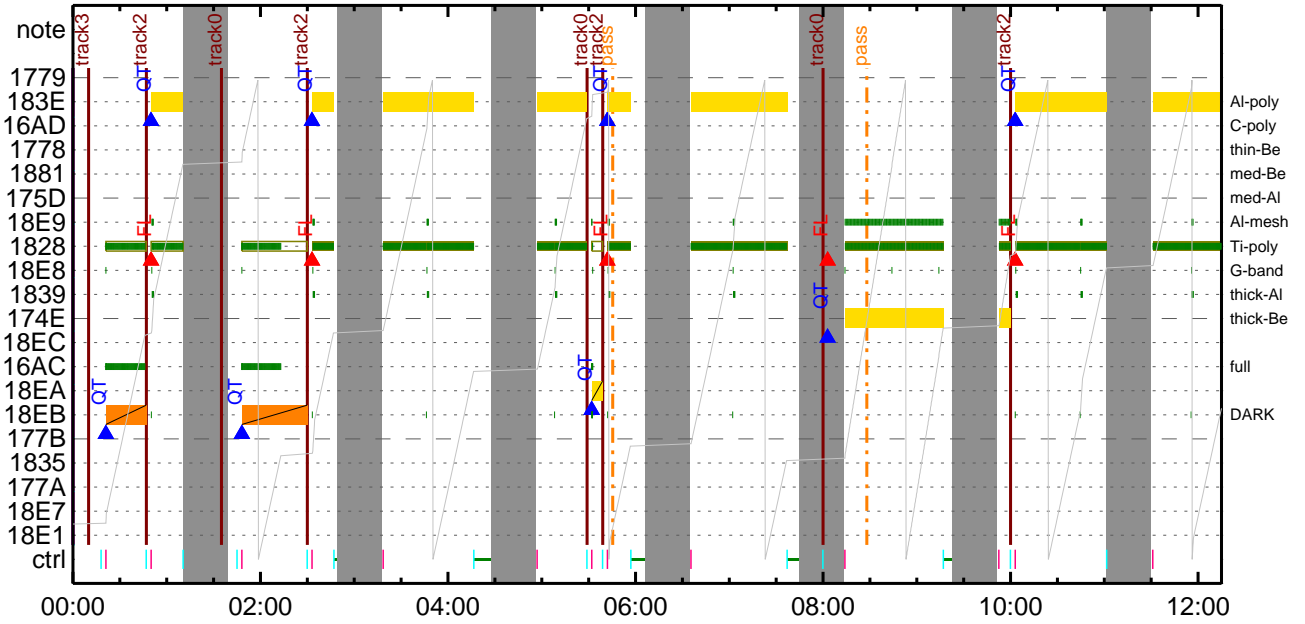
CMDI #0639 2012/05/20



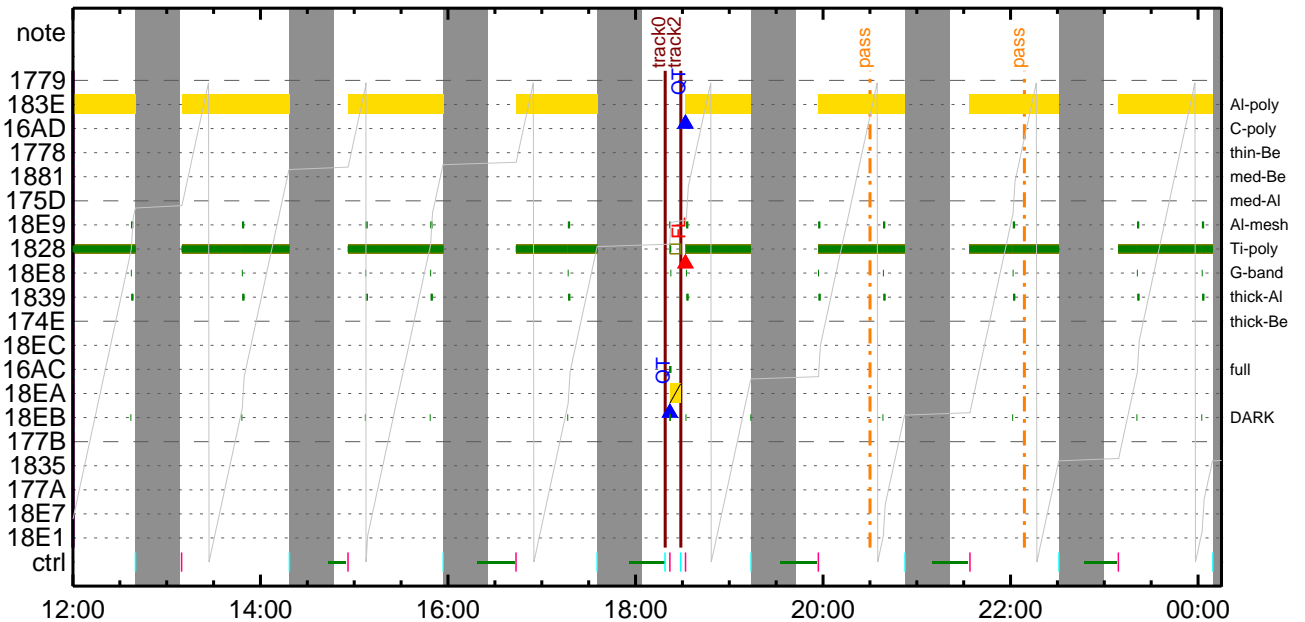
CMDI #0639 2012/05/20



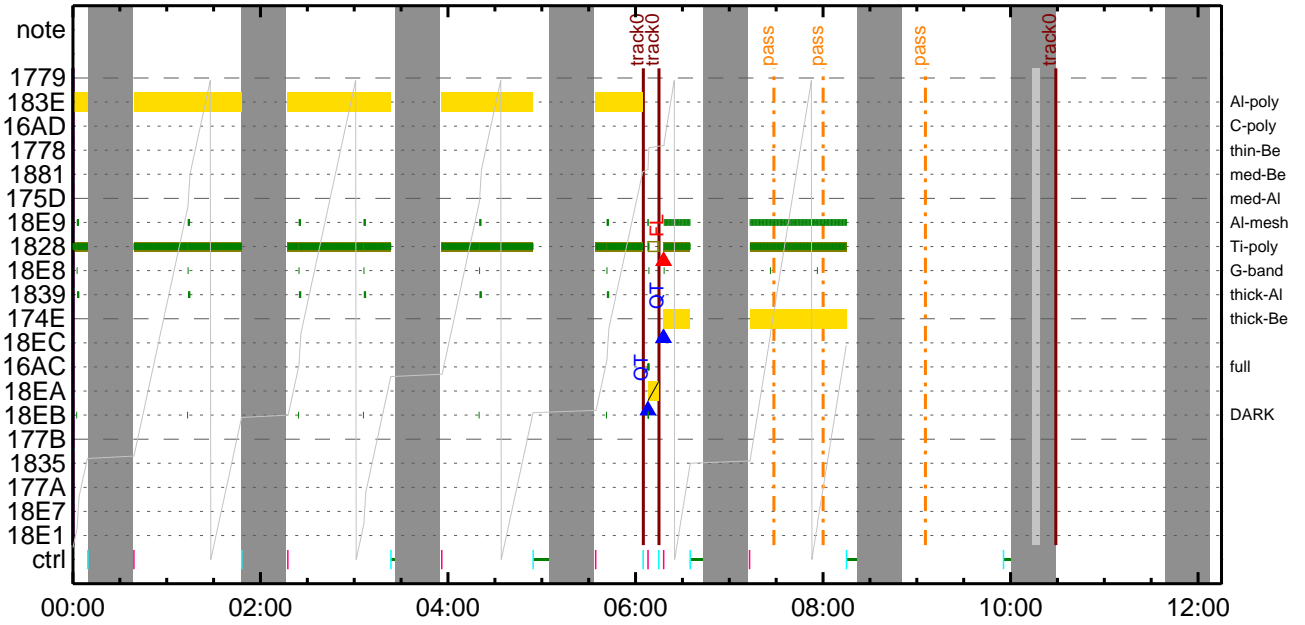
CMDI #0639 2012/05/21



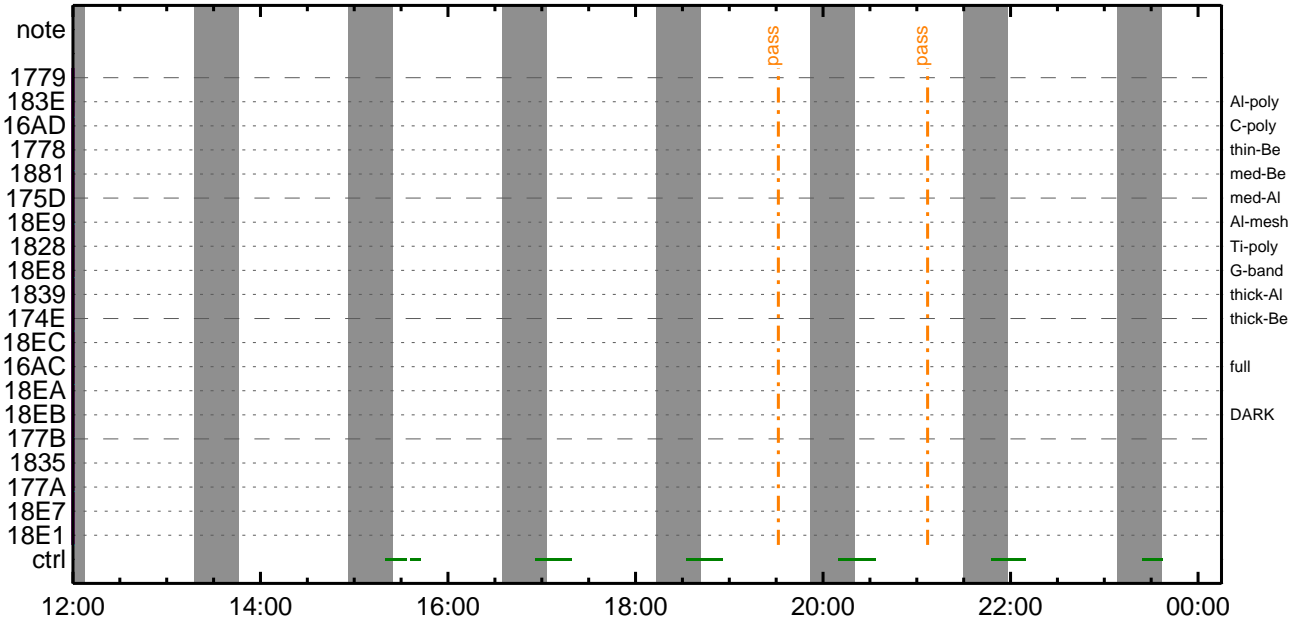
CMDI #0639 2012/05/21



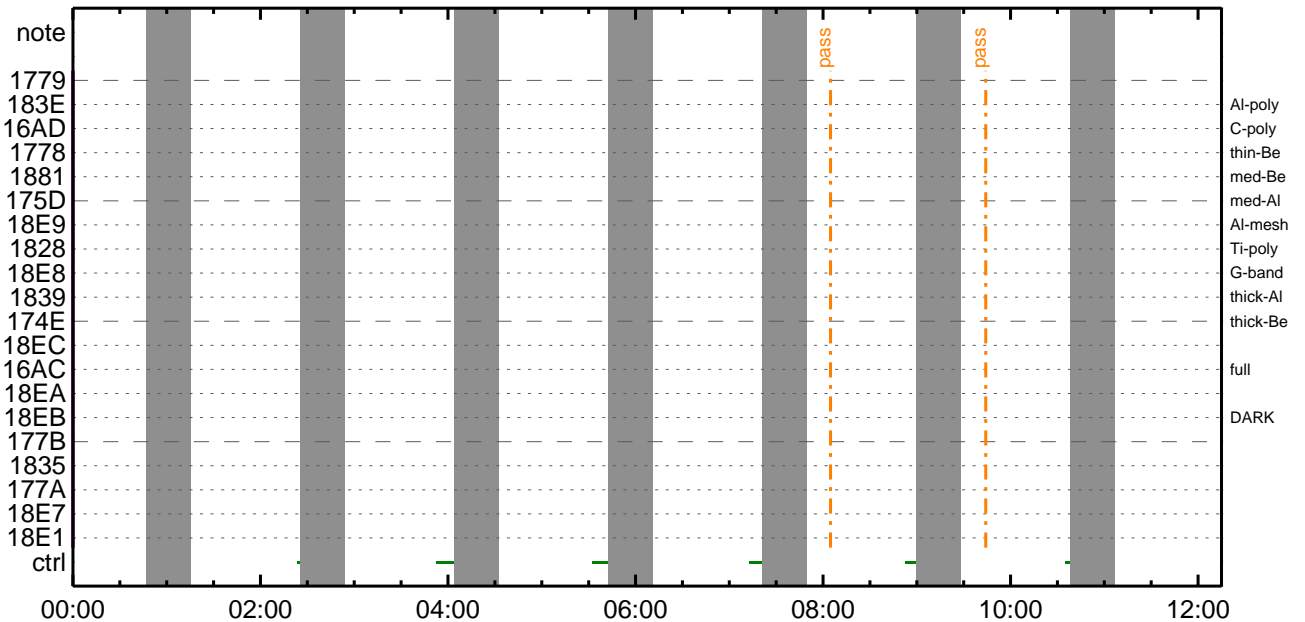
CMDI #0639 2012/05/22



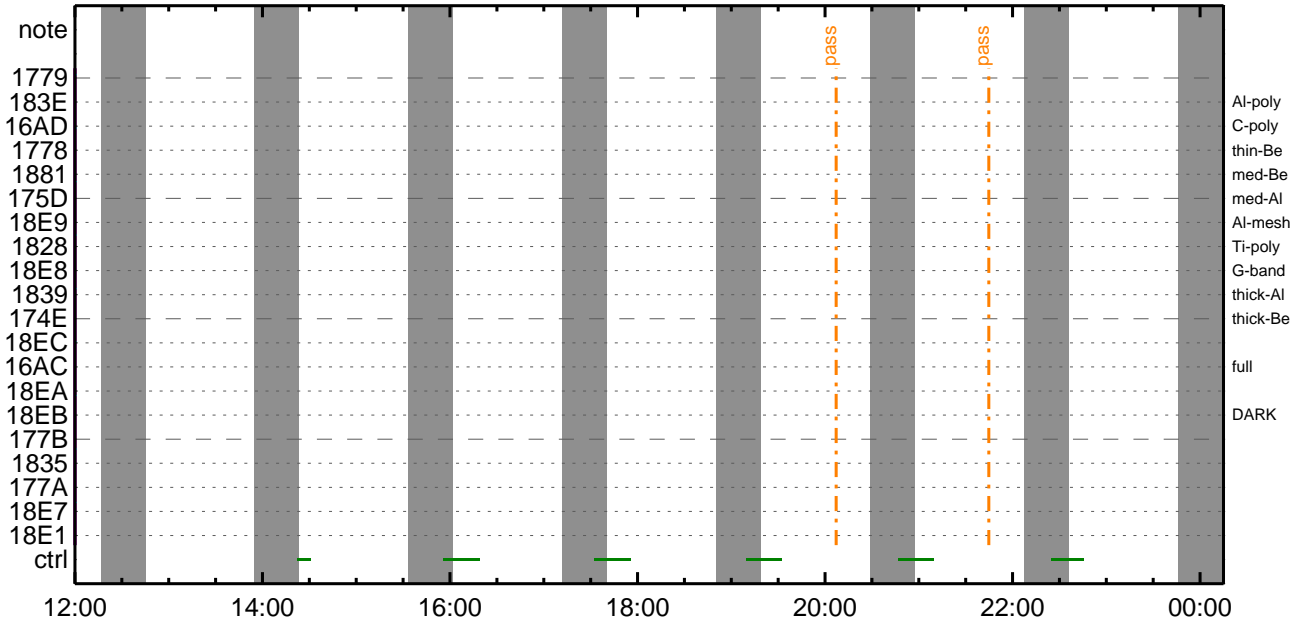
CMDI #0639 2012/05/22



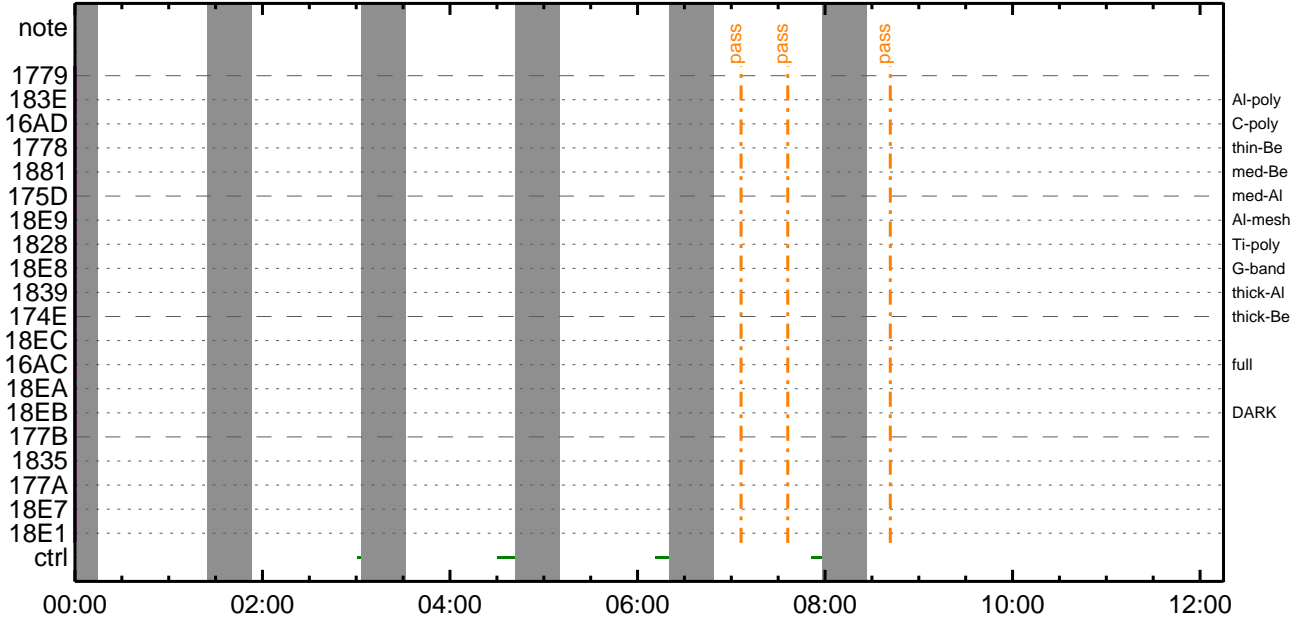
CMDI #0639 2012/05/23



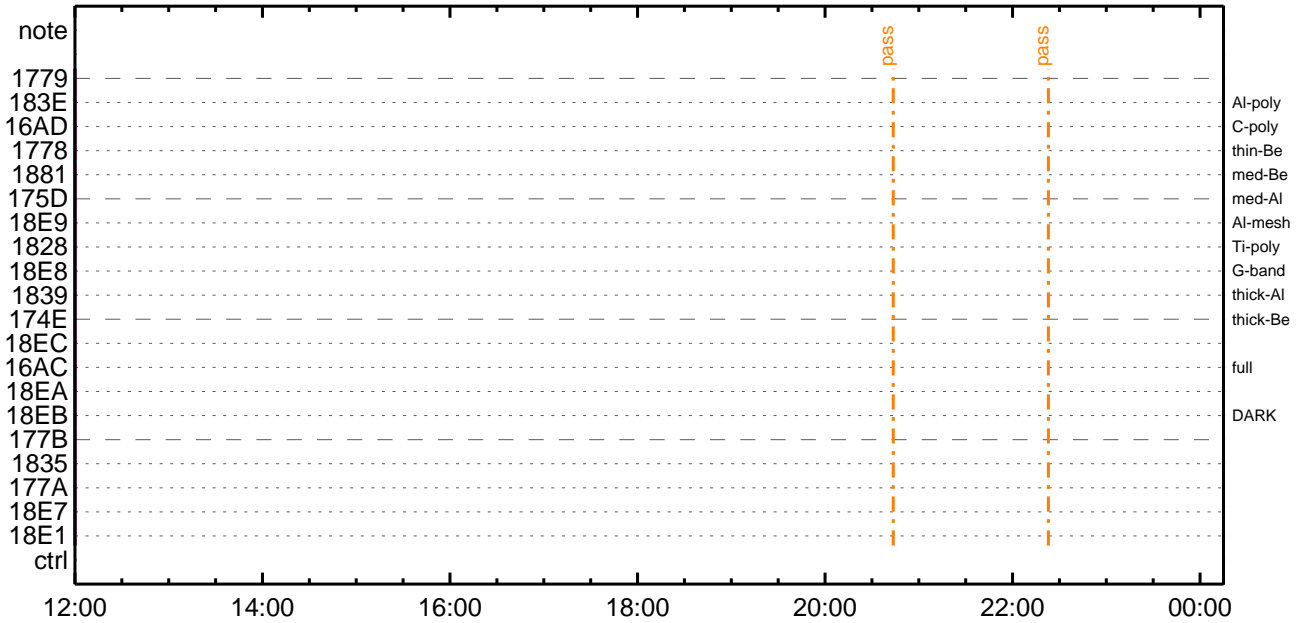
CMDI #0639 2012/05/23



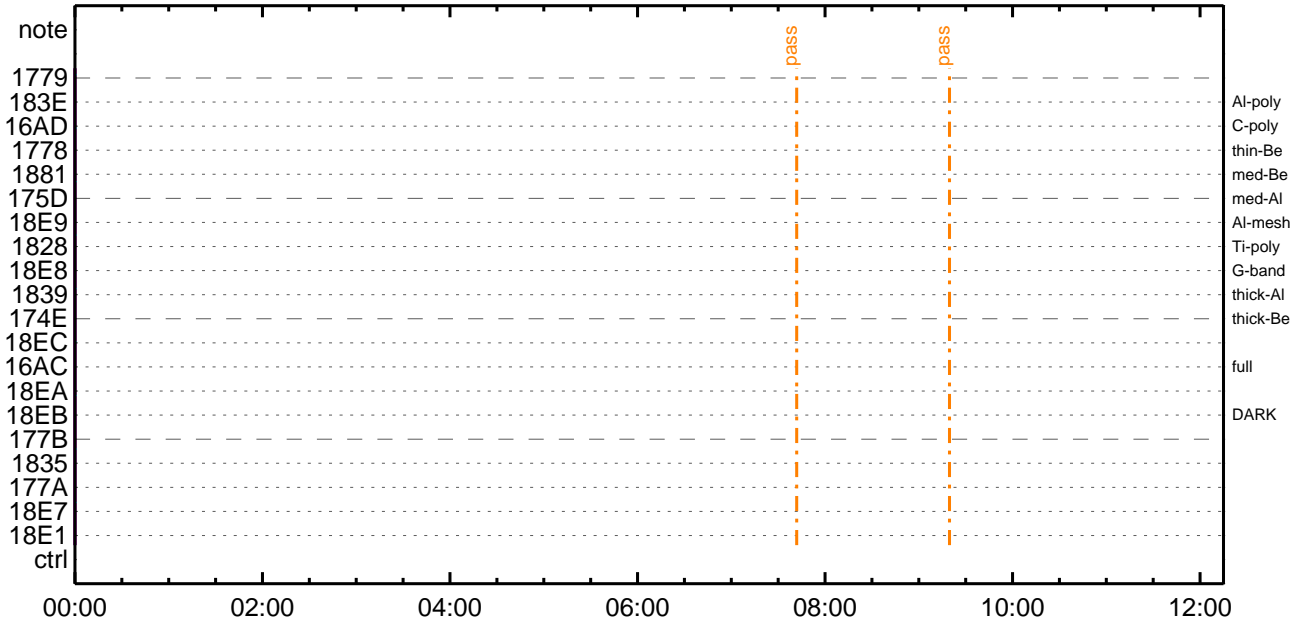
CMDI #0639 2012/05/24



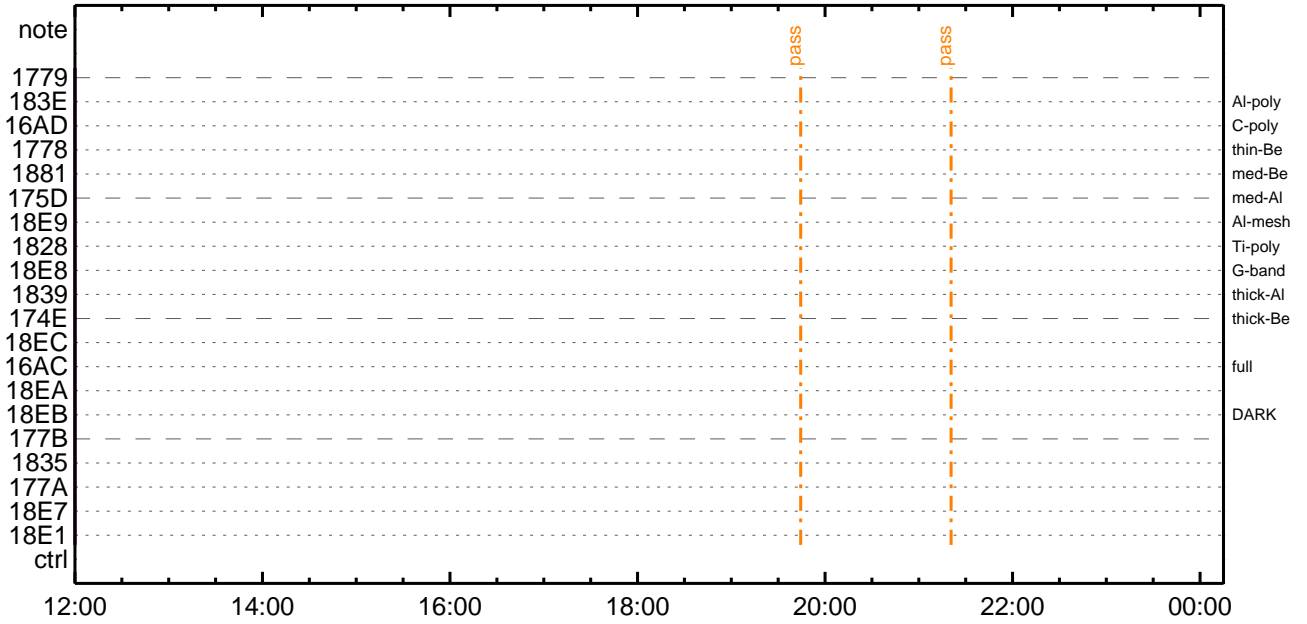
CMDI #0639 2012/05/24



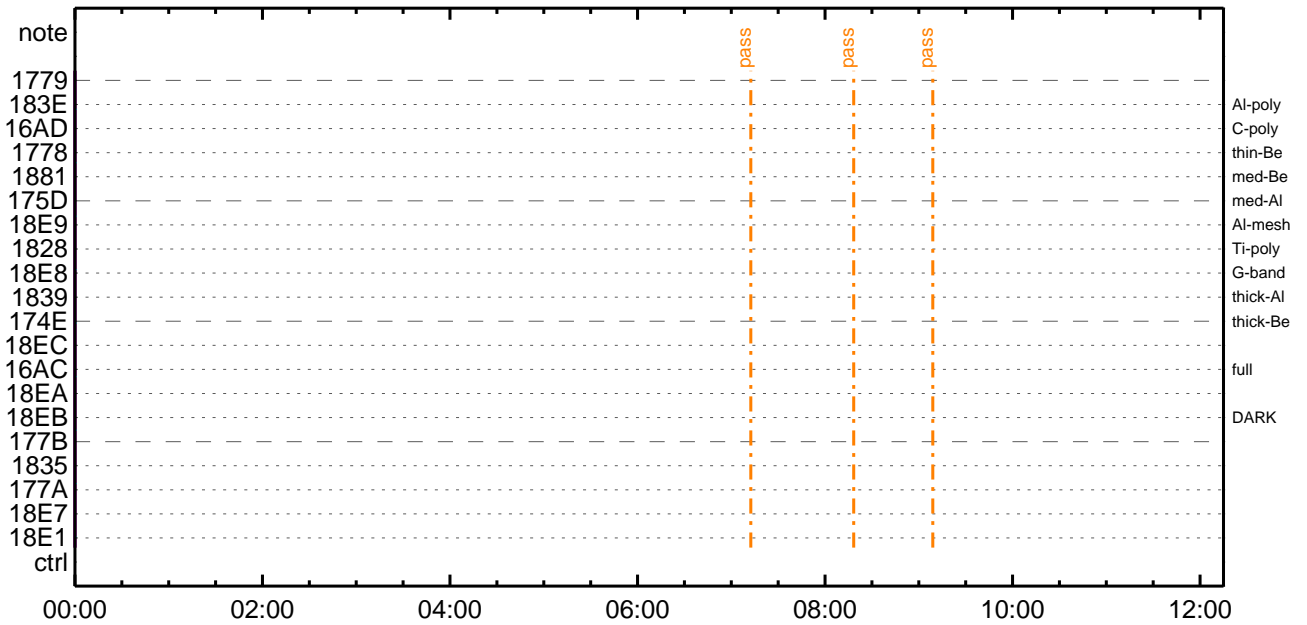
CMDI #0639 2012/05/25



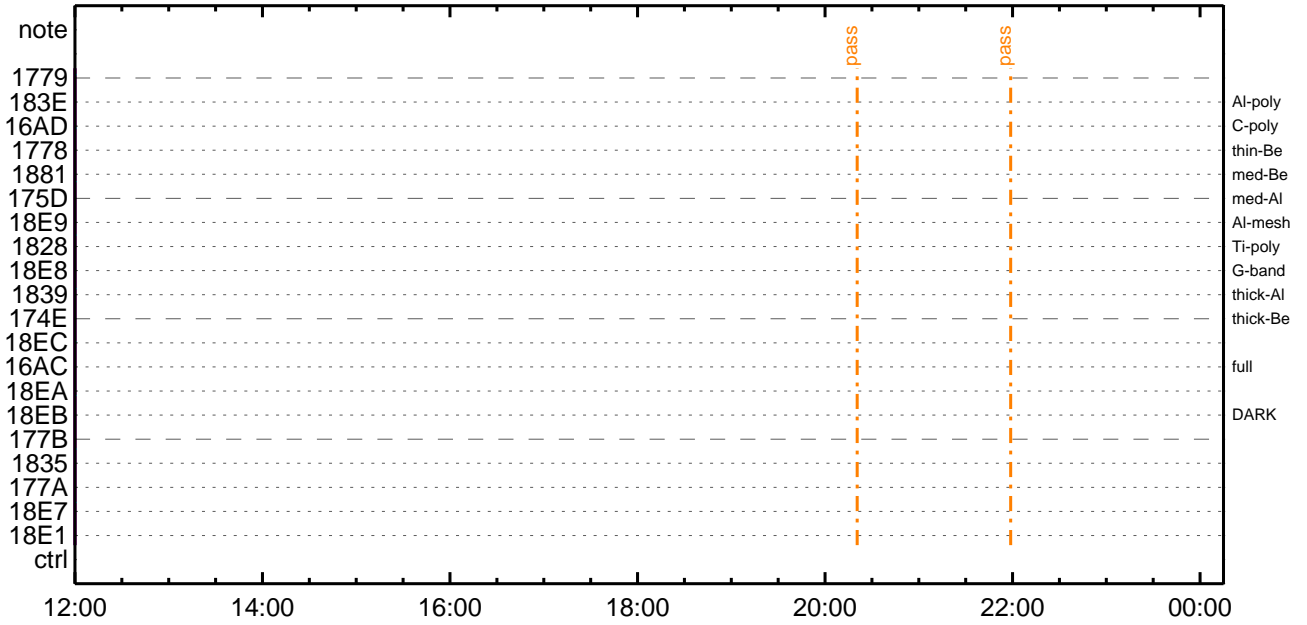
CMDI #0639 2012/05/25



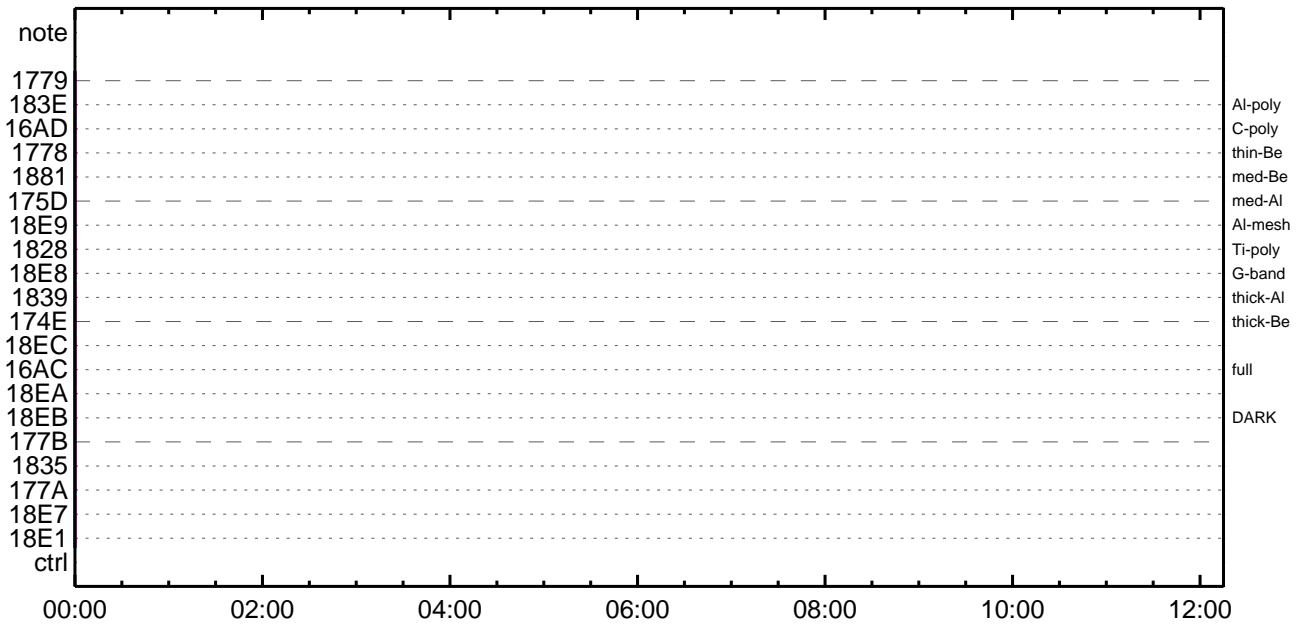
CMDI #0639 2012/05/26



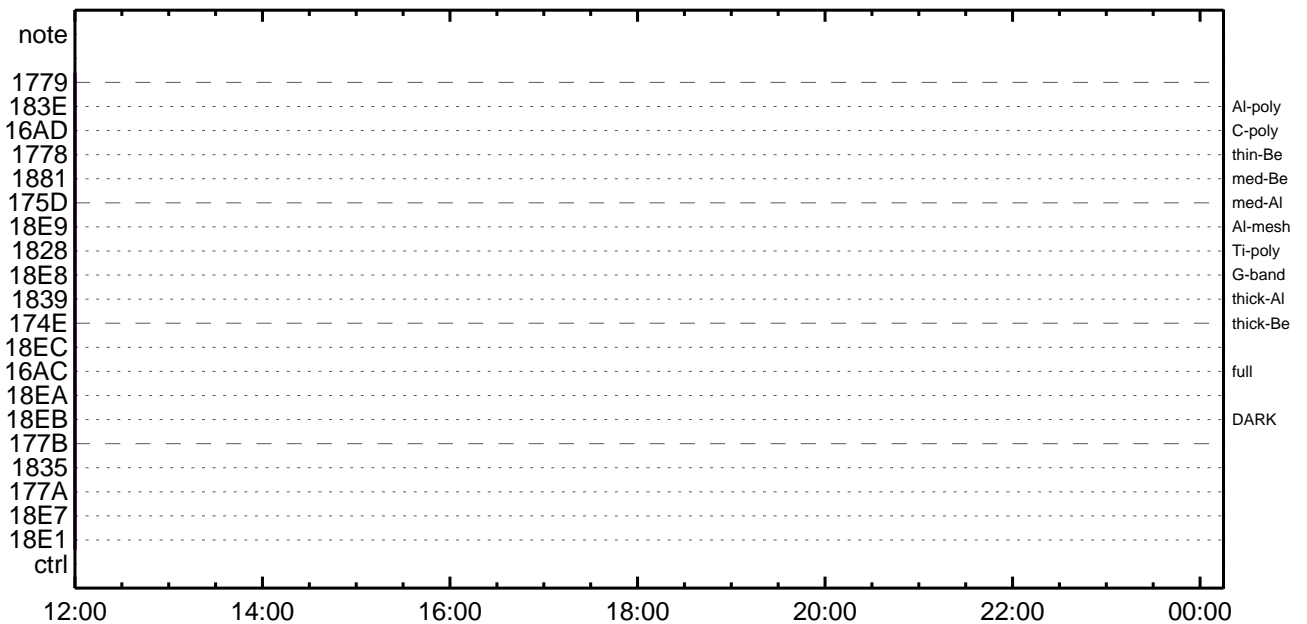
CMDI #0639 2012/05/26



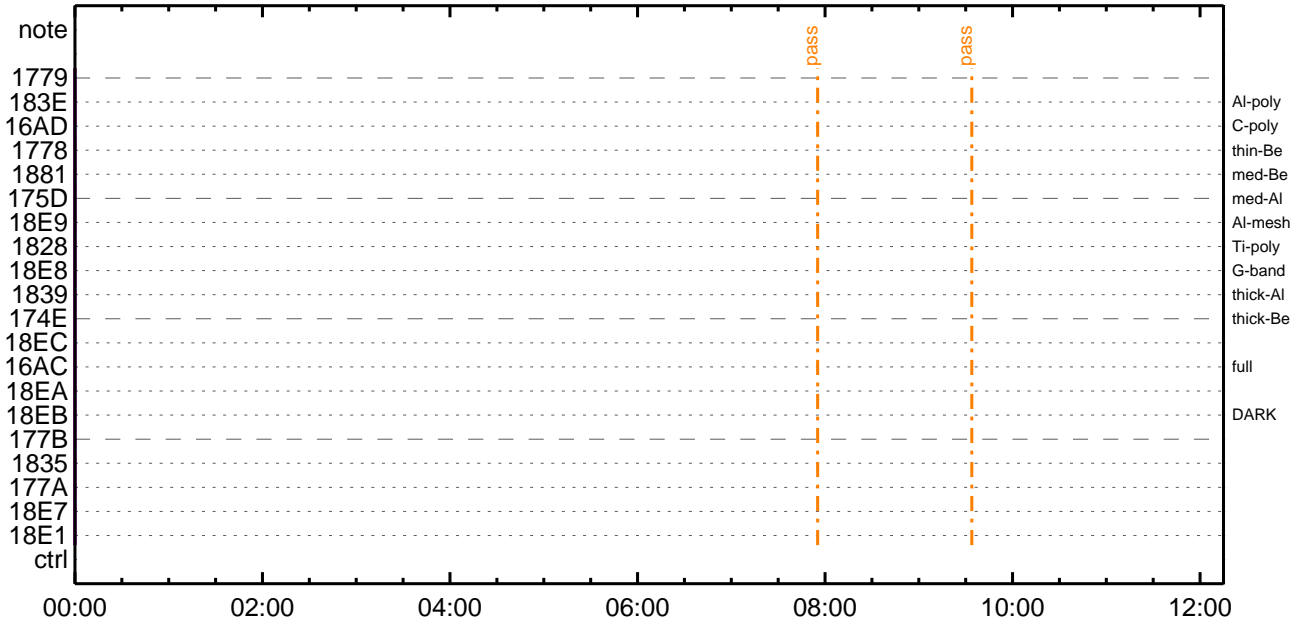
CMDI #0639 2012/05/27



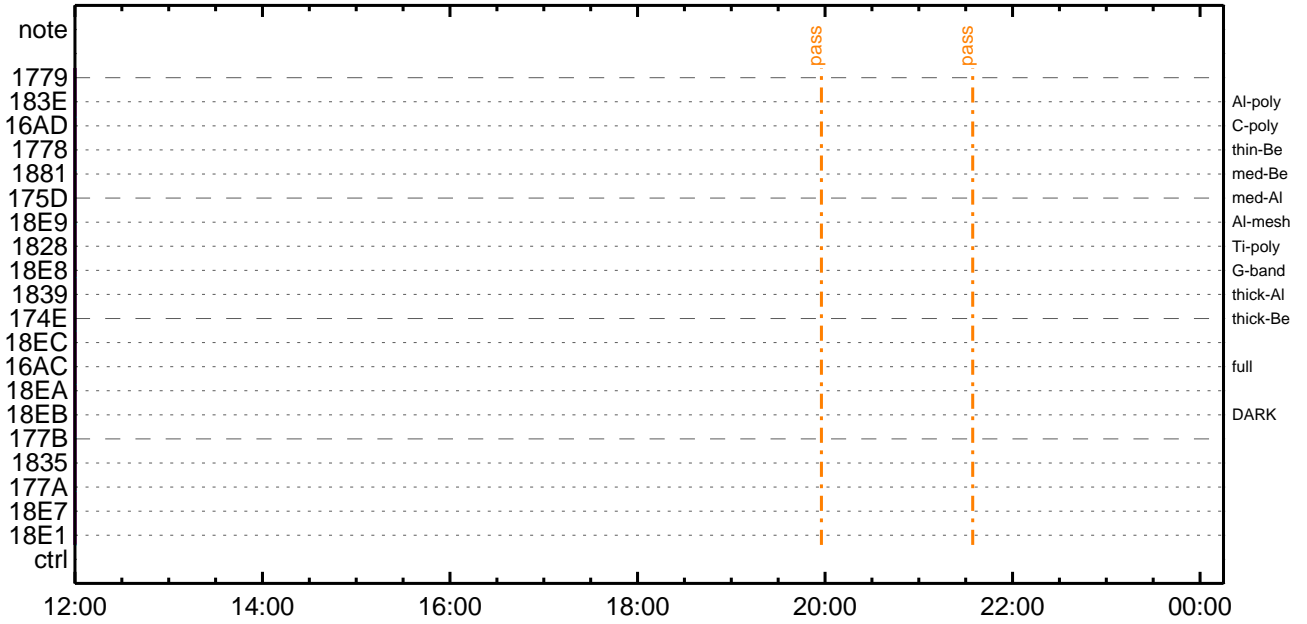
CMDI #0639 2012/05/27



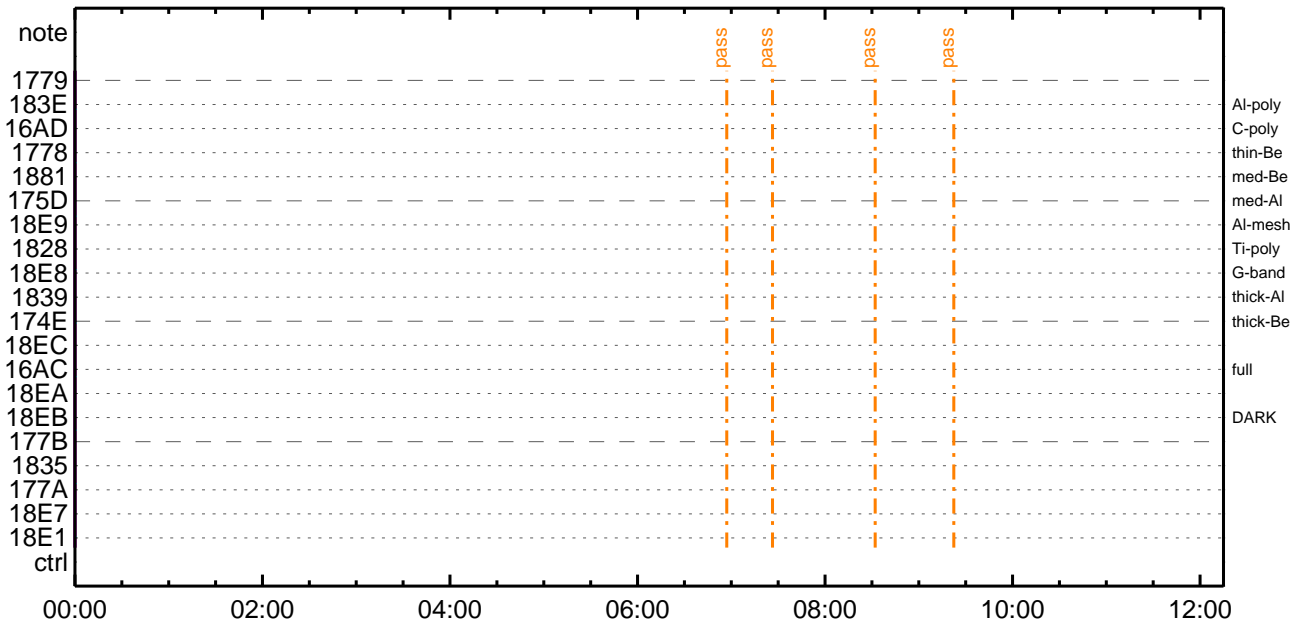
CMDI #0639 2012/05/28



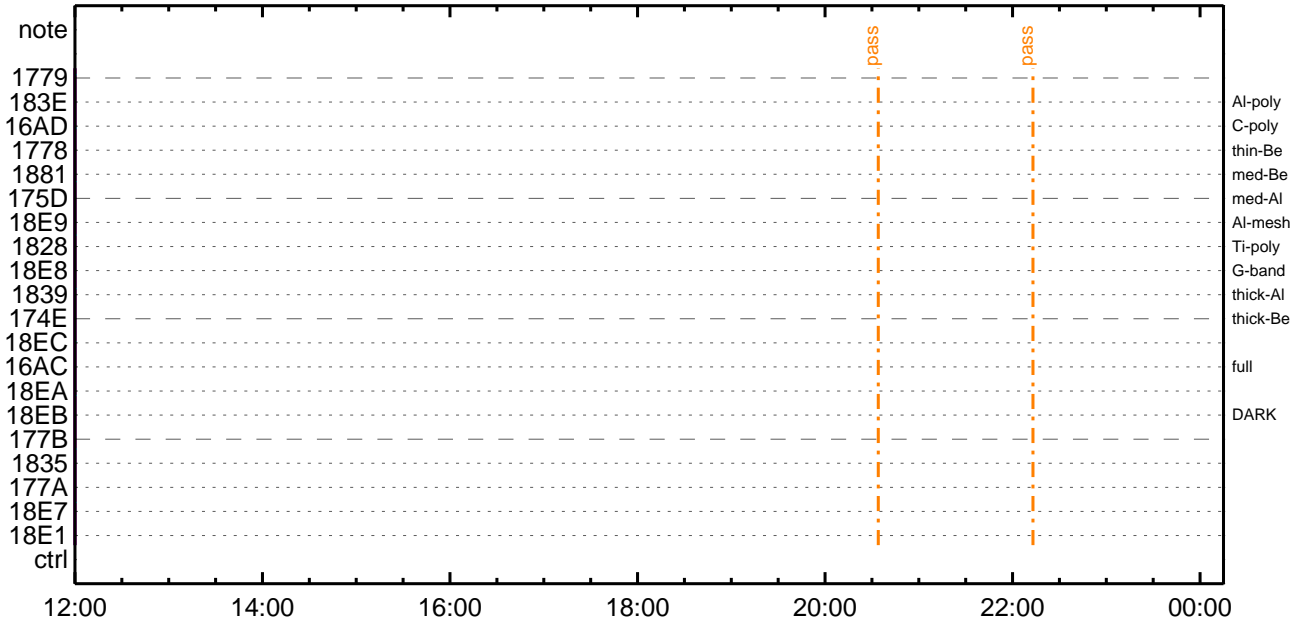
CMDI #0639 2012/05/28



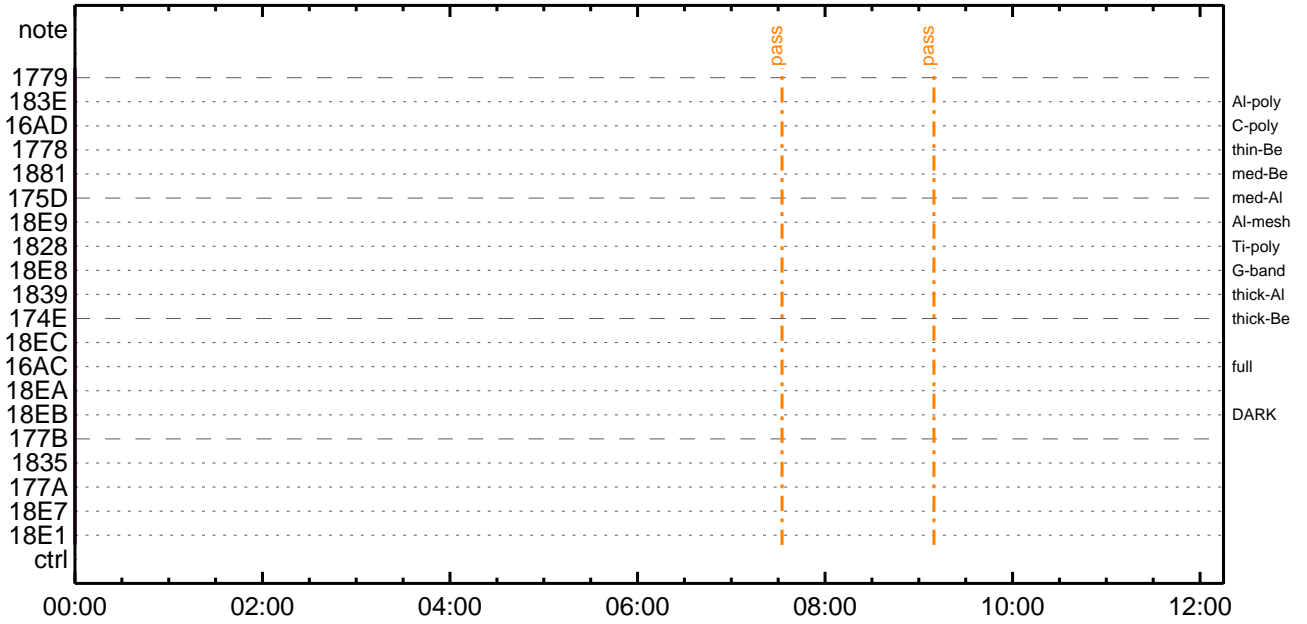
CMDI #0639 2012/05/29



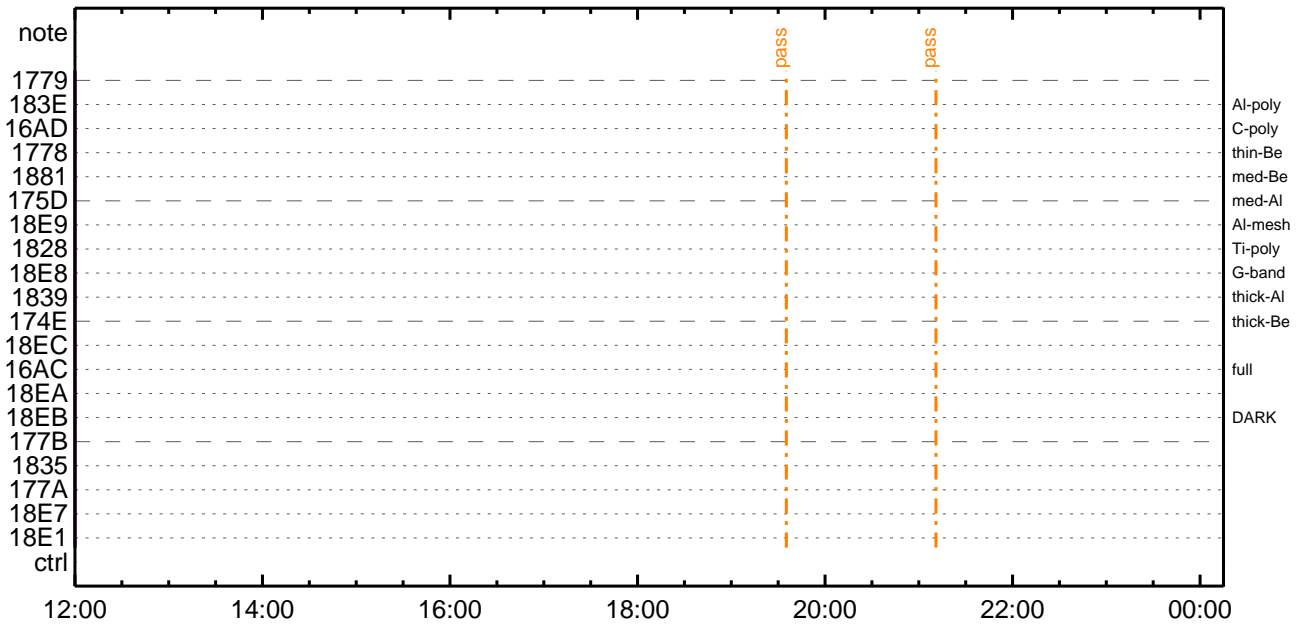
CMDI #0639 2012/05/29



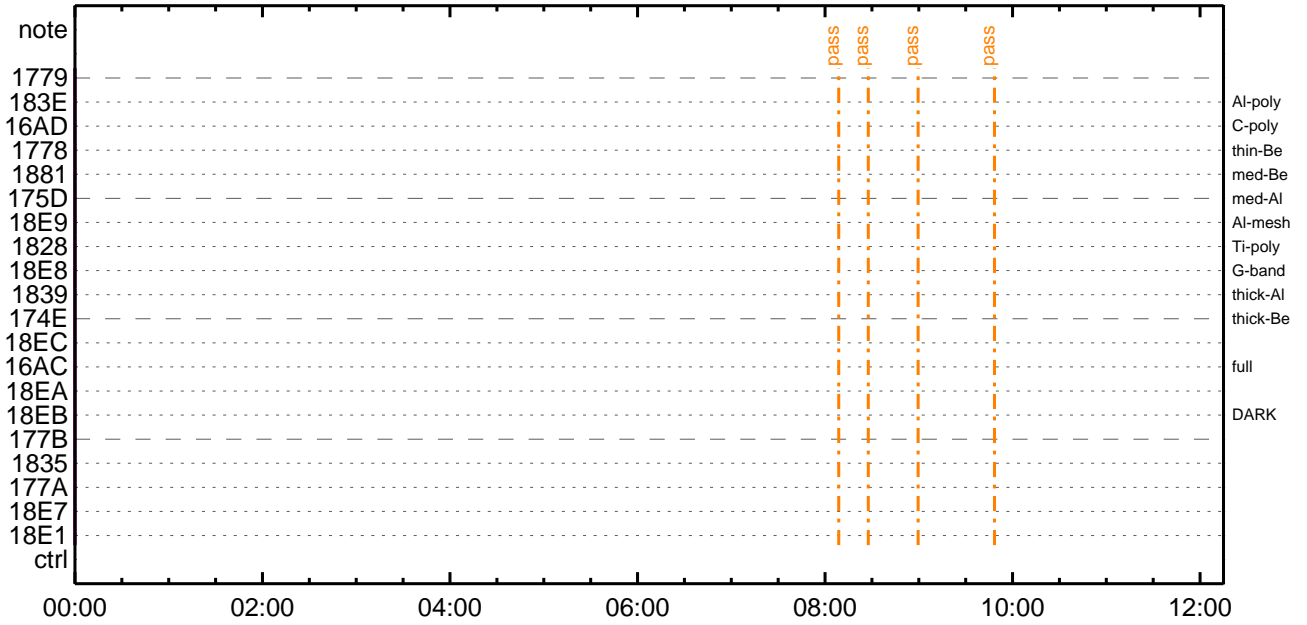
CMDI #0639 2012/05/30



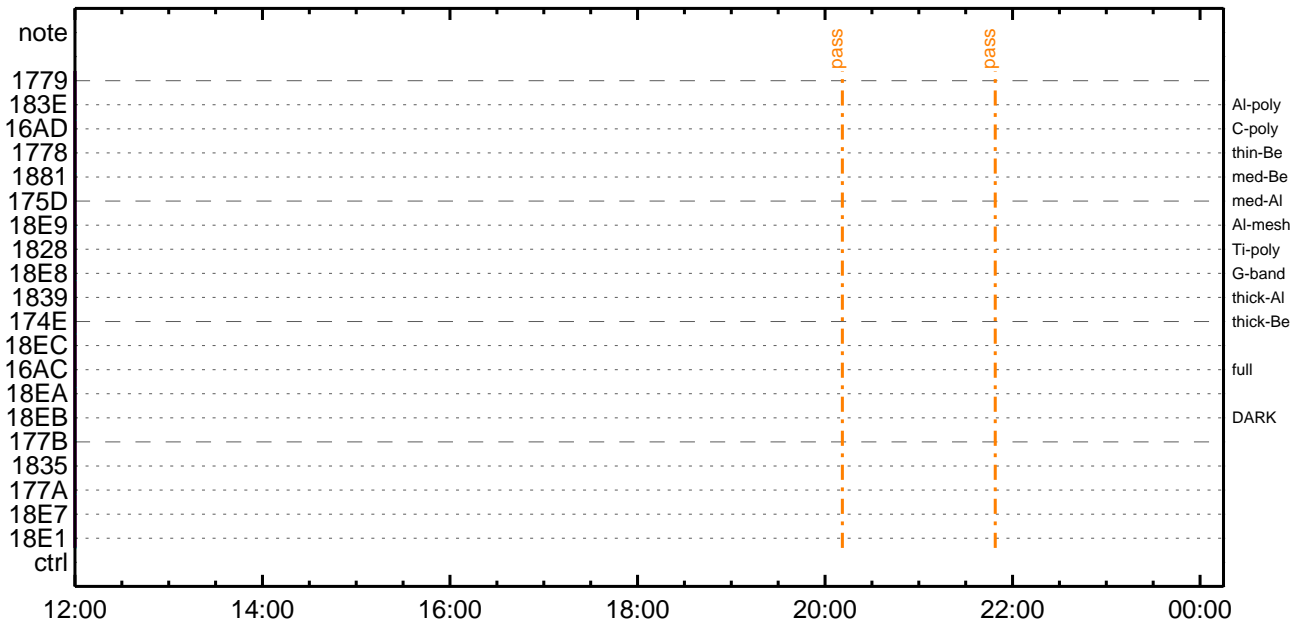
CMDI #0639 2012/05/30



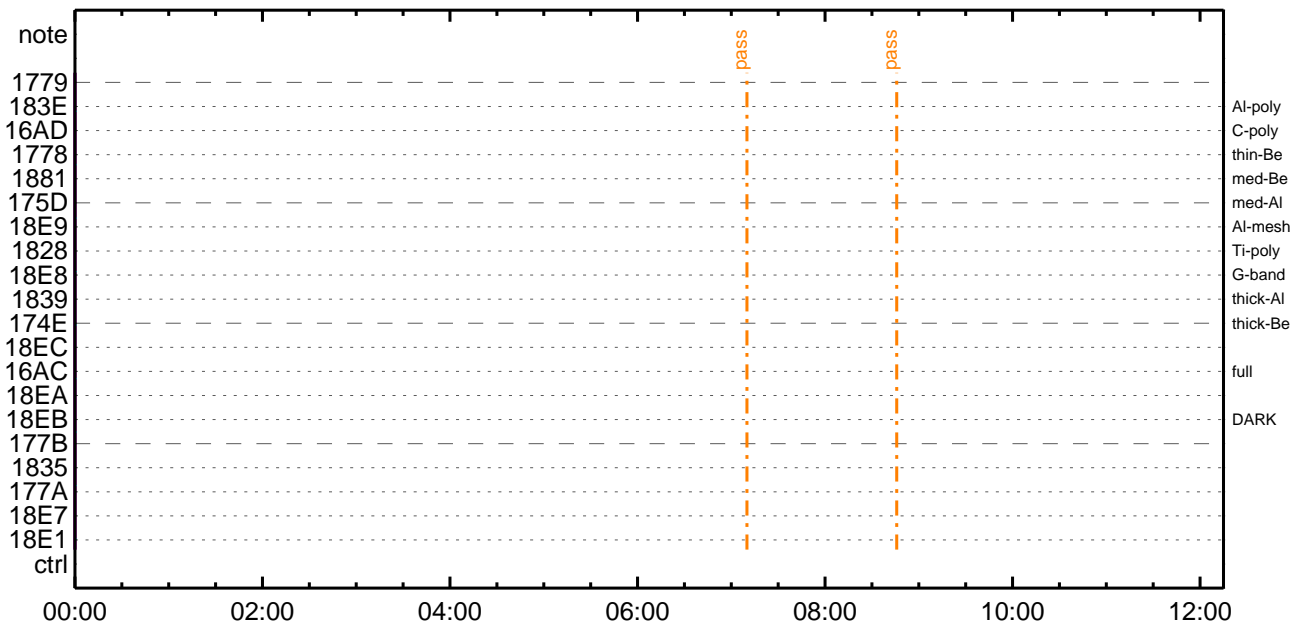
CMDI #0639 2012/05/31



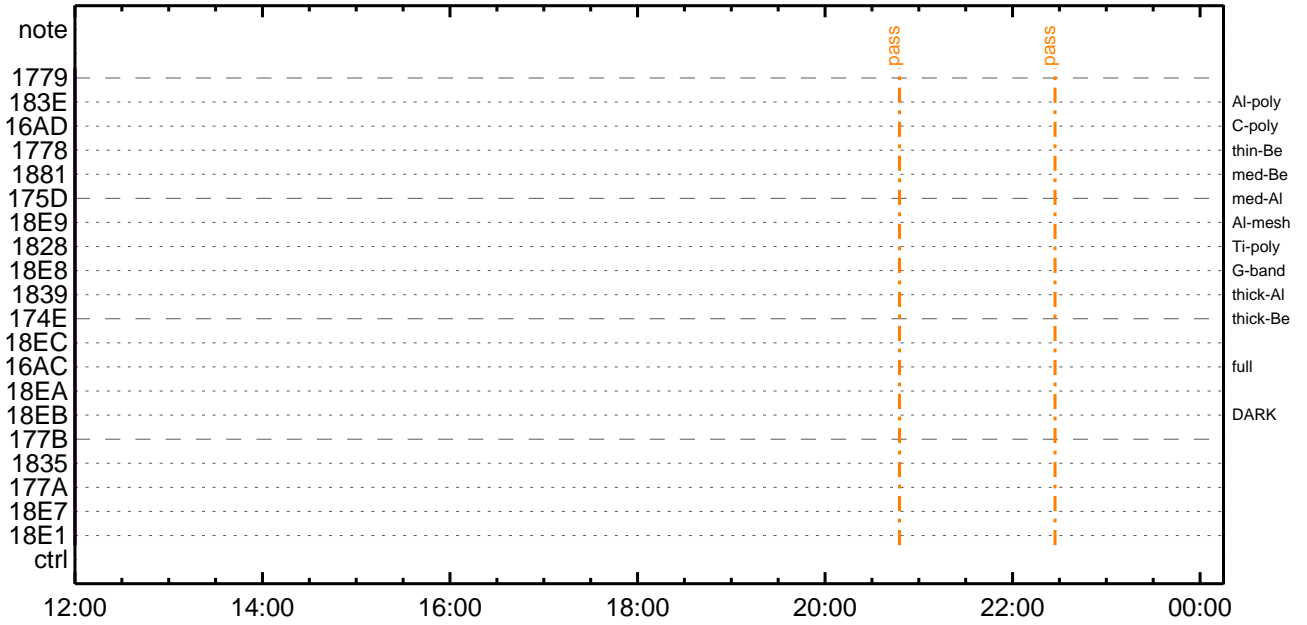
CMDI #0639 2012/05/31



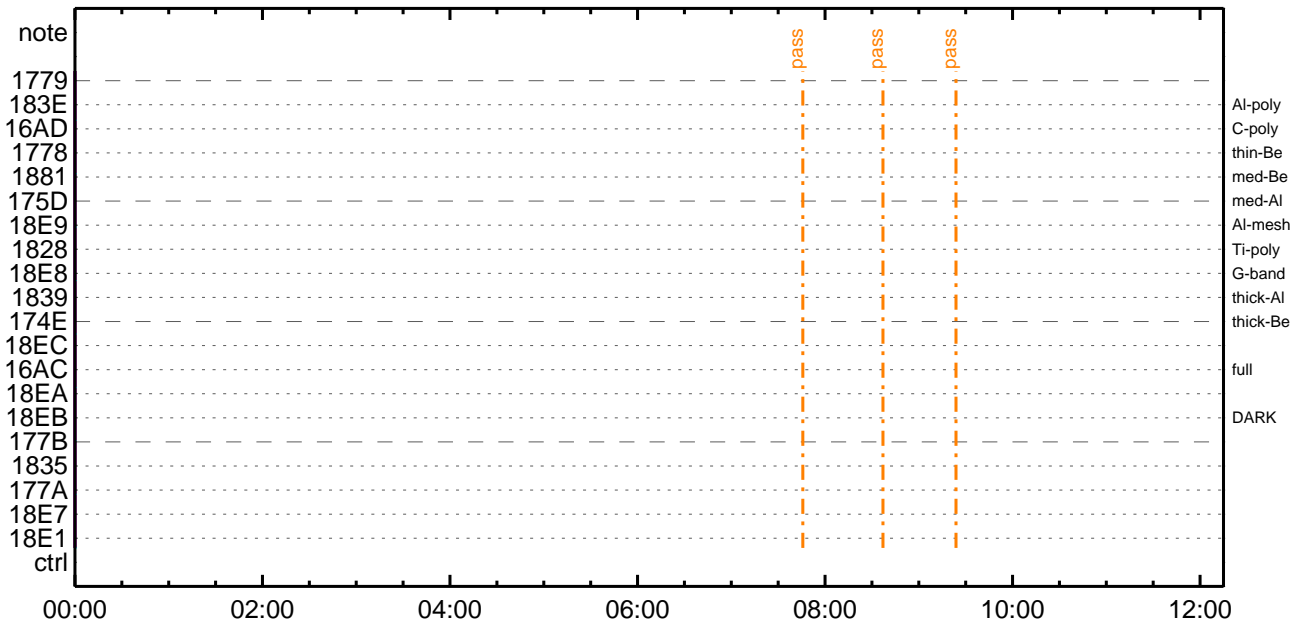
CMDI #0639 2012/06/01



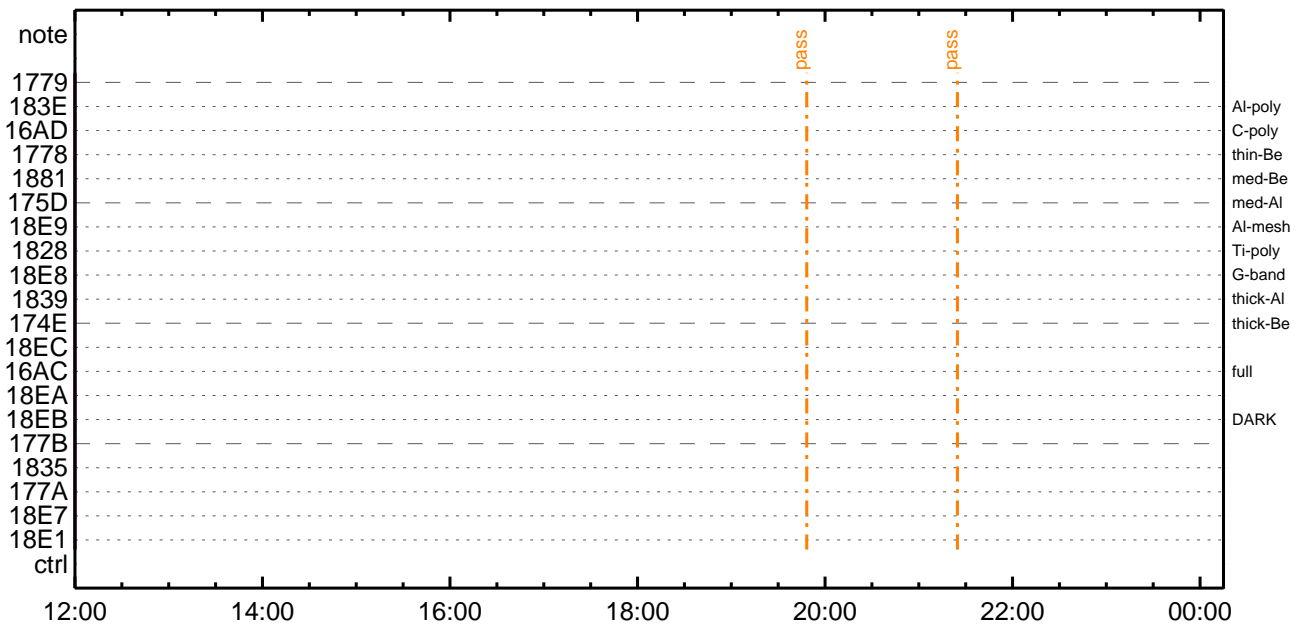
CMDI #0639 2012/06/01



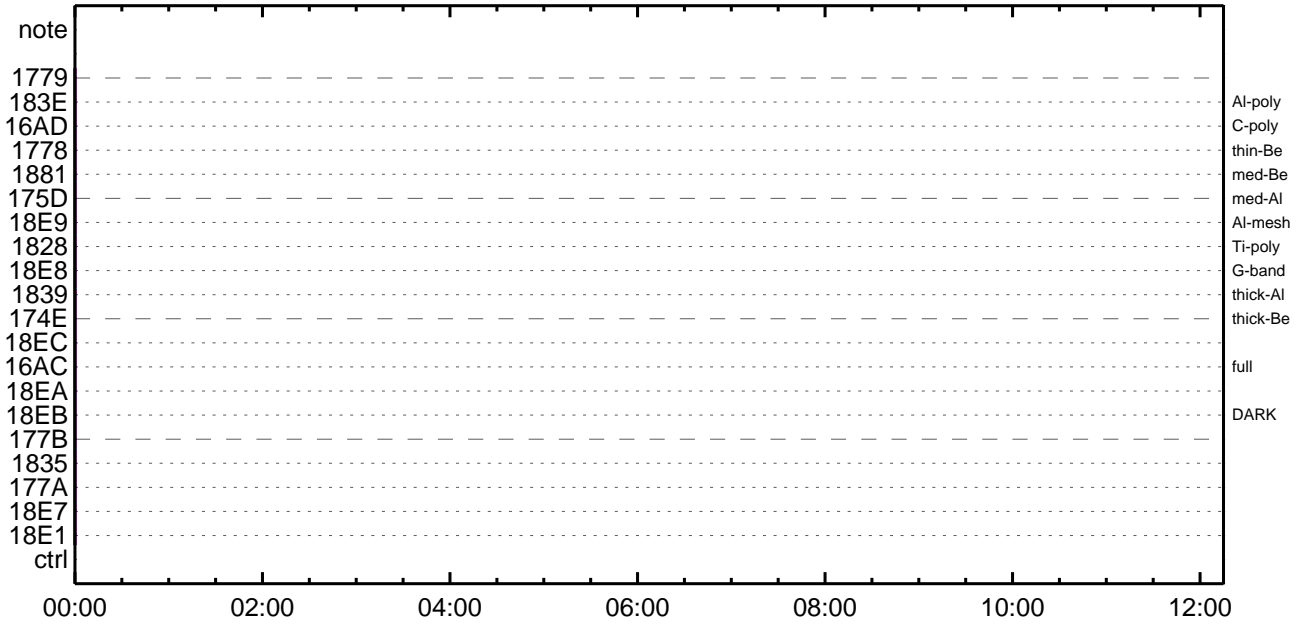
CMDI #0639 2012/06/02



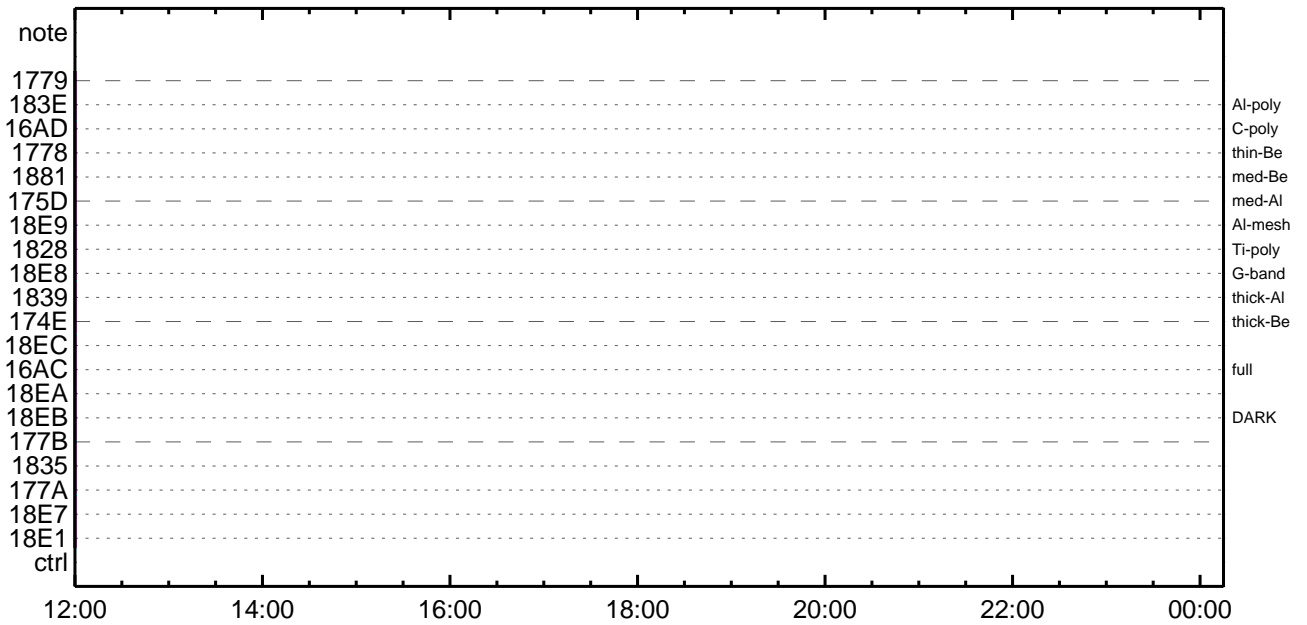
CMDI #0639 2012/06/02



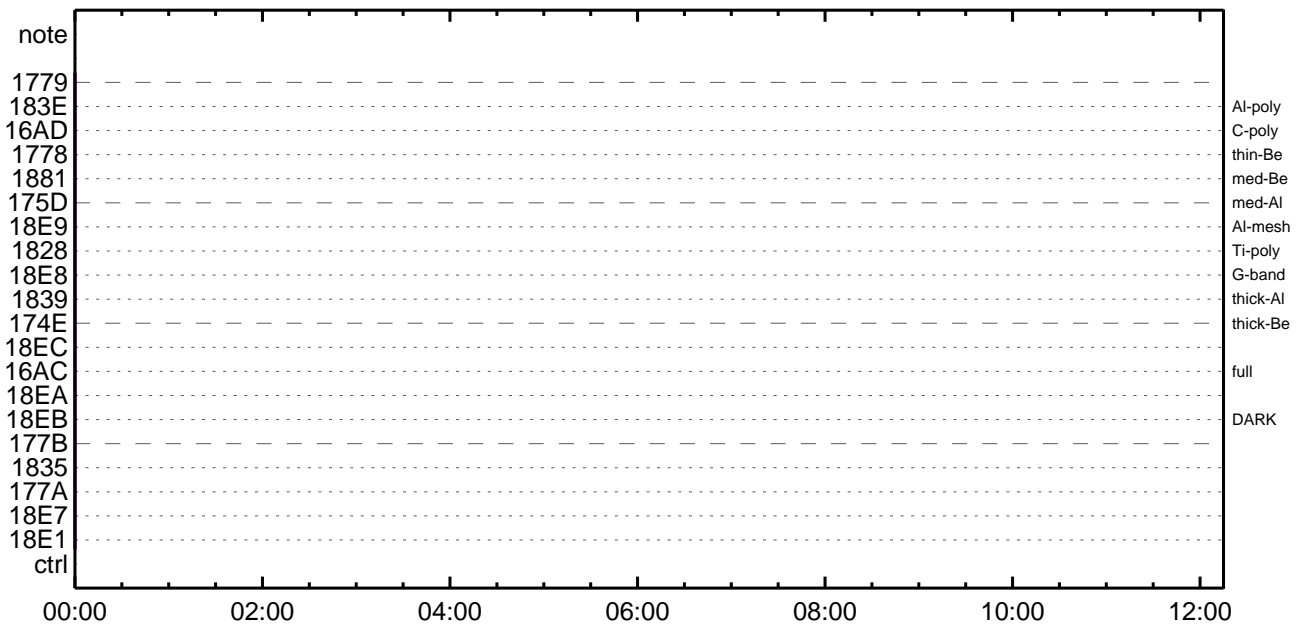
CMDI #0639 2012/06/03



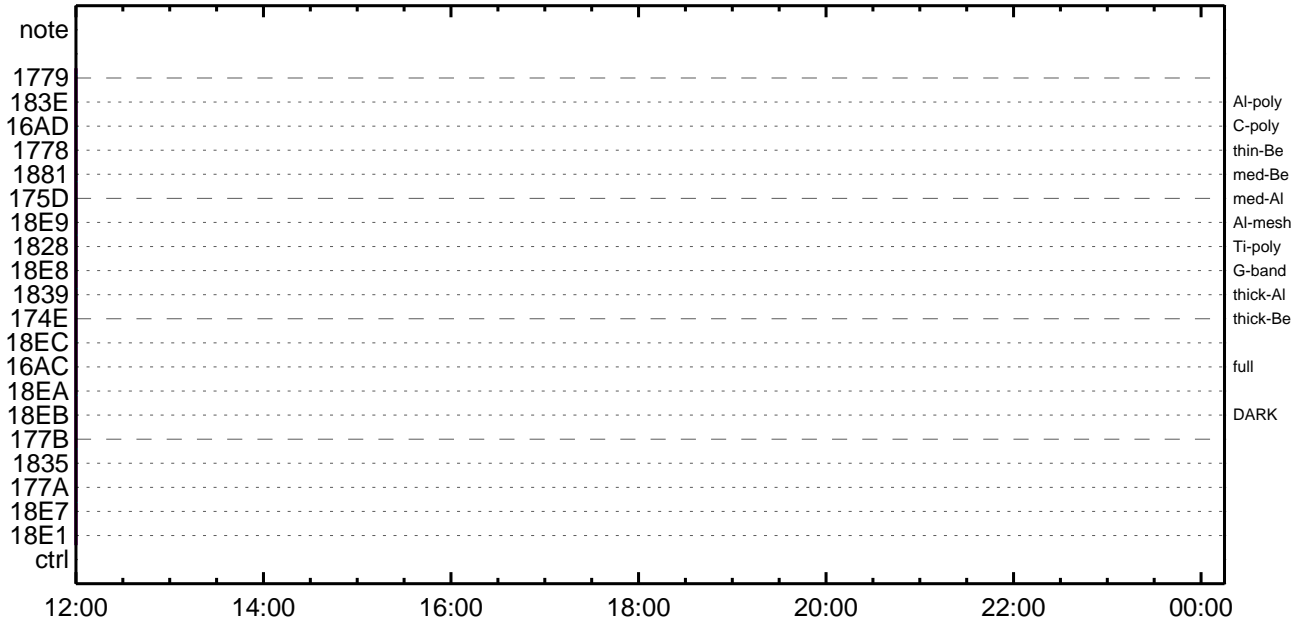
CMDI #0639 2012/06/03



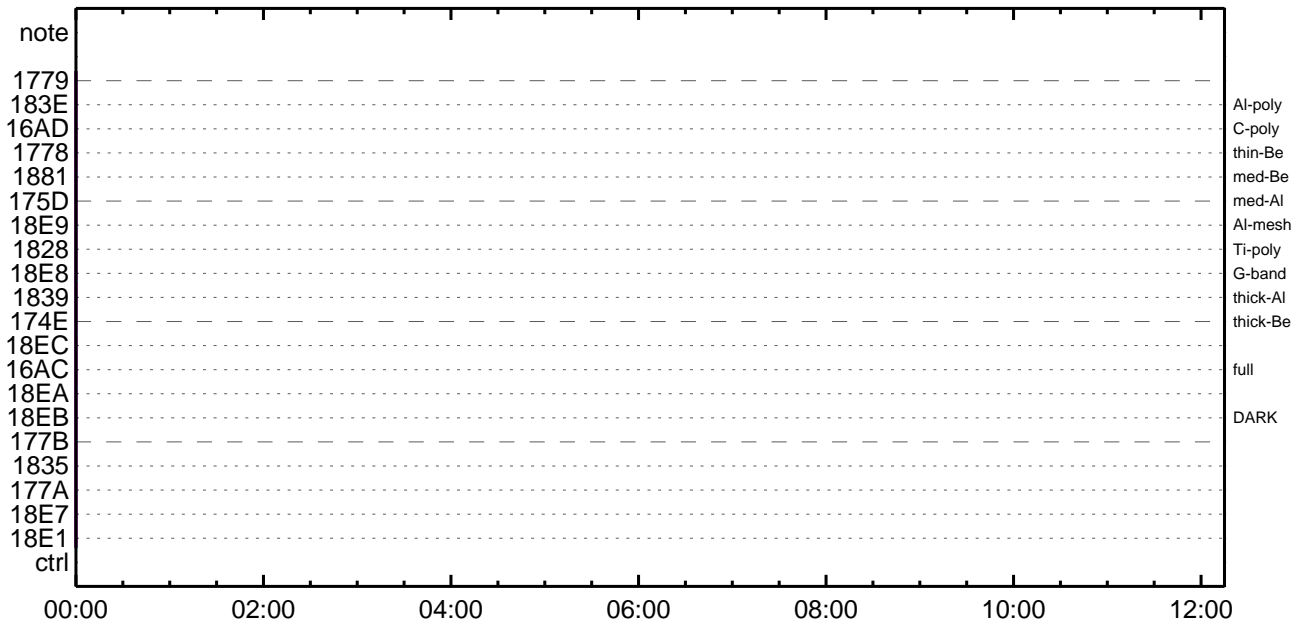
CMDI #0639 2012/06/04



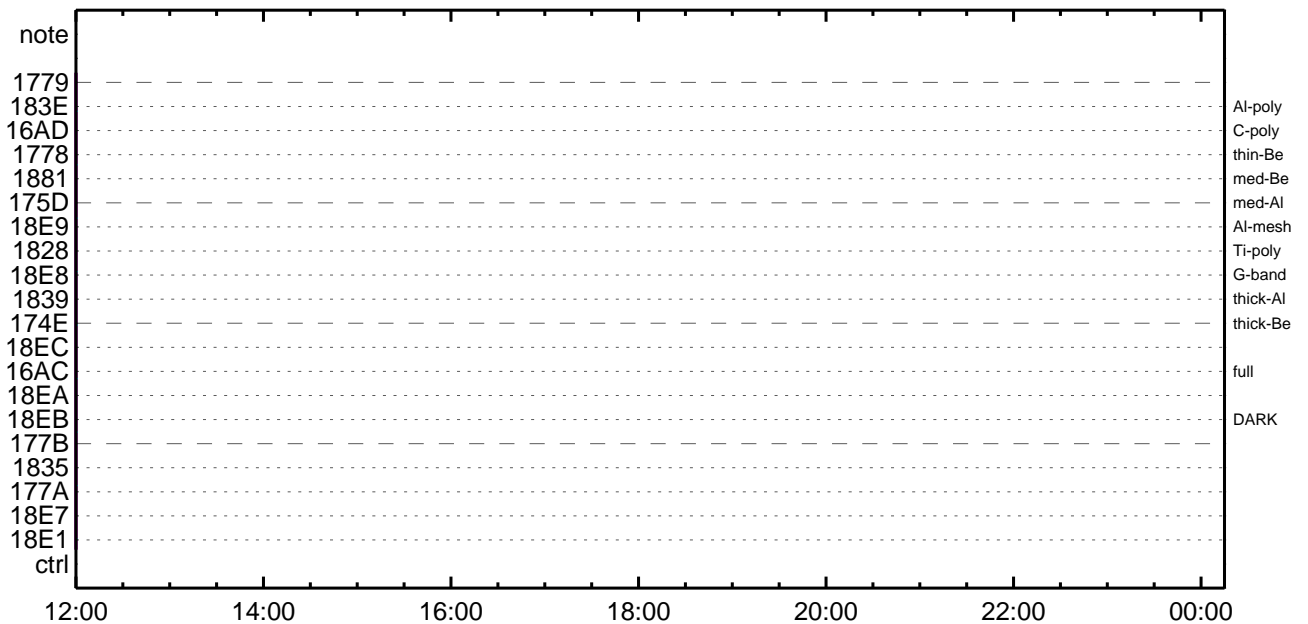
CMDI #0639 2012/06/04



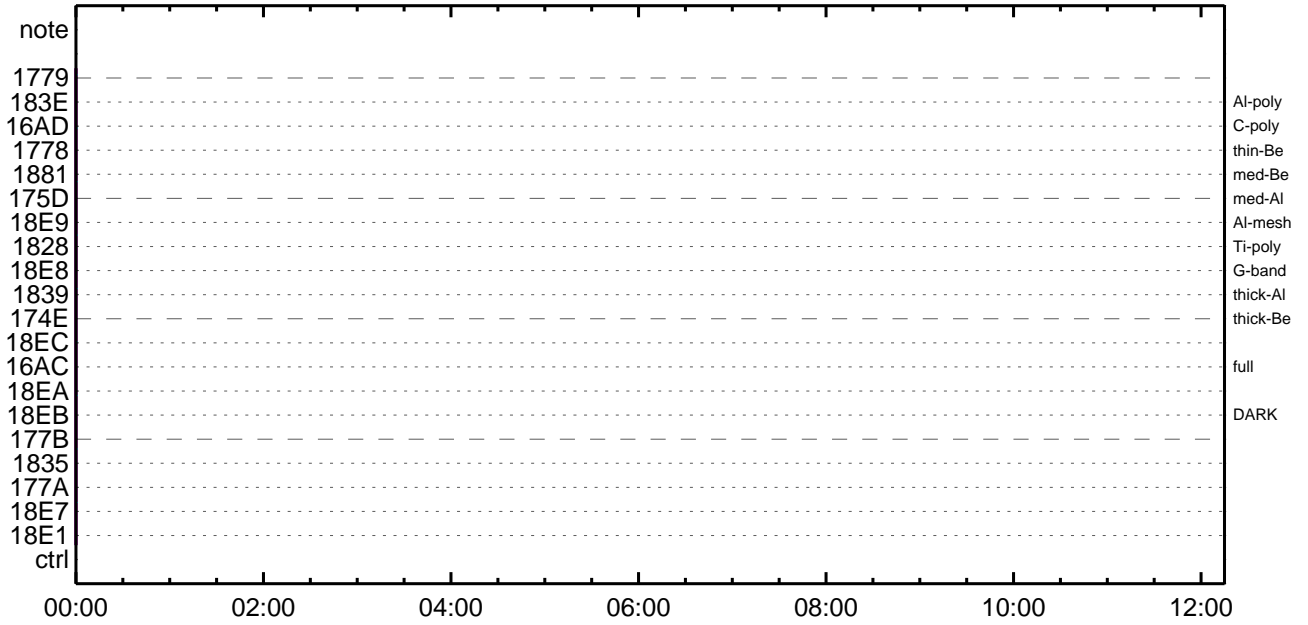
CMDI #0639 2012/06/05



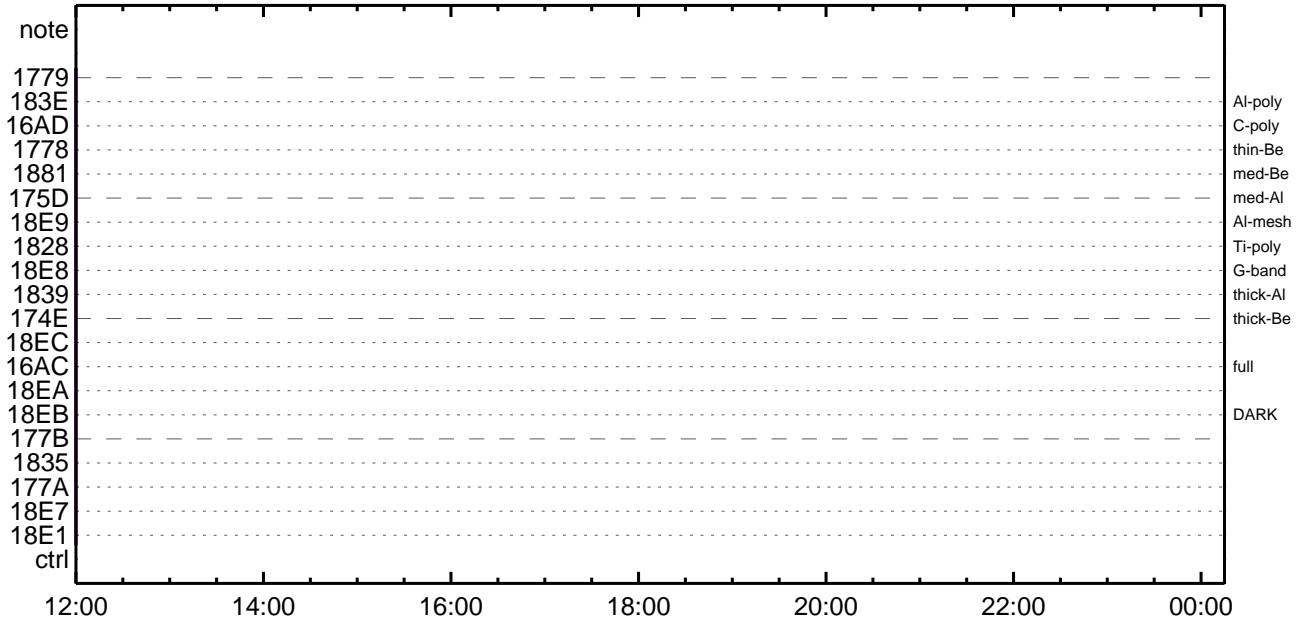
CMDI #0639 2012/06/05



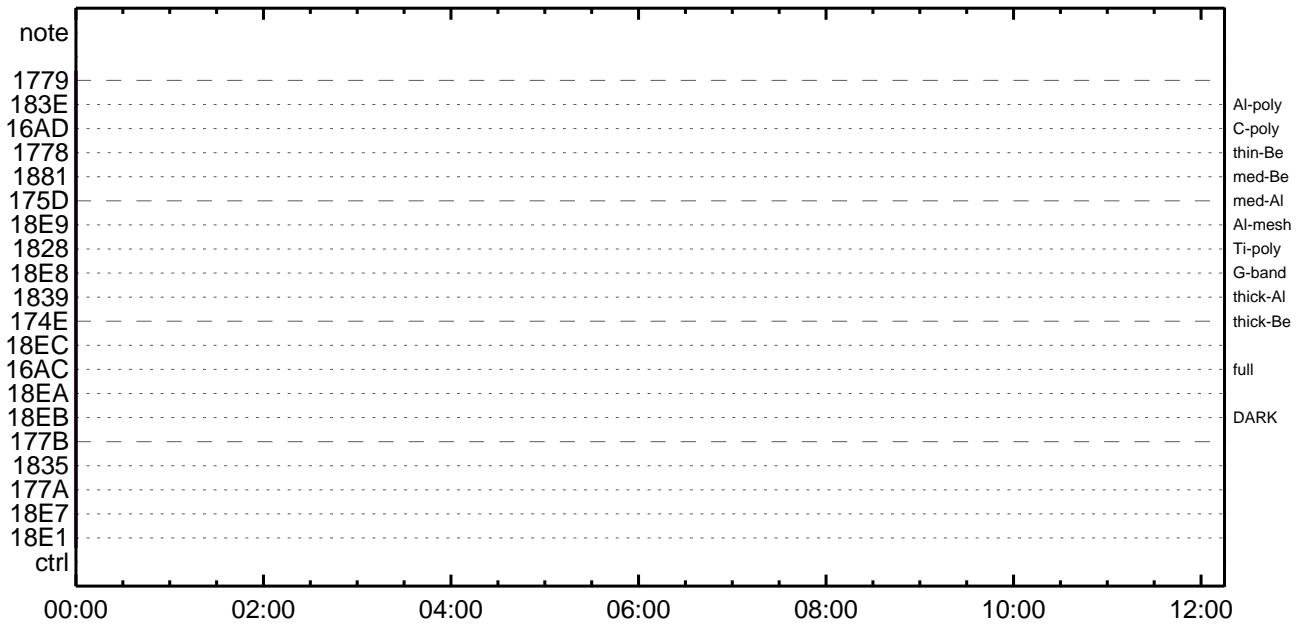
CMDI #0639 2012/06/06



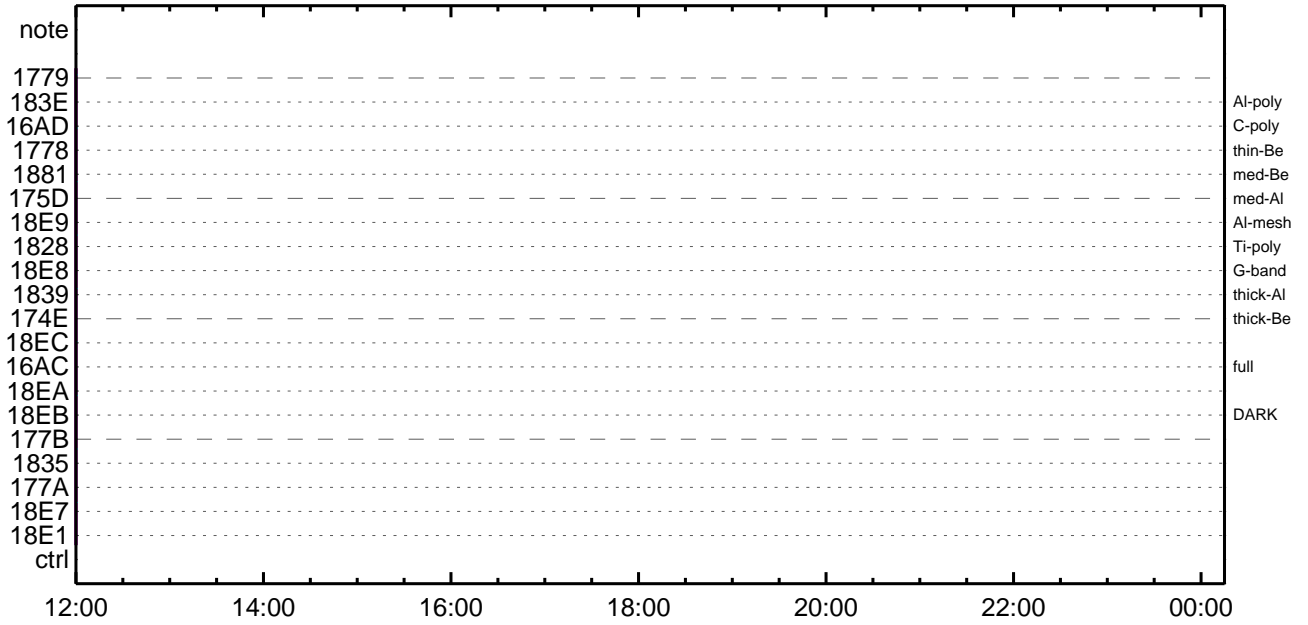
CMDI #0639 2012/06/06



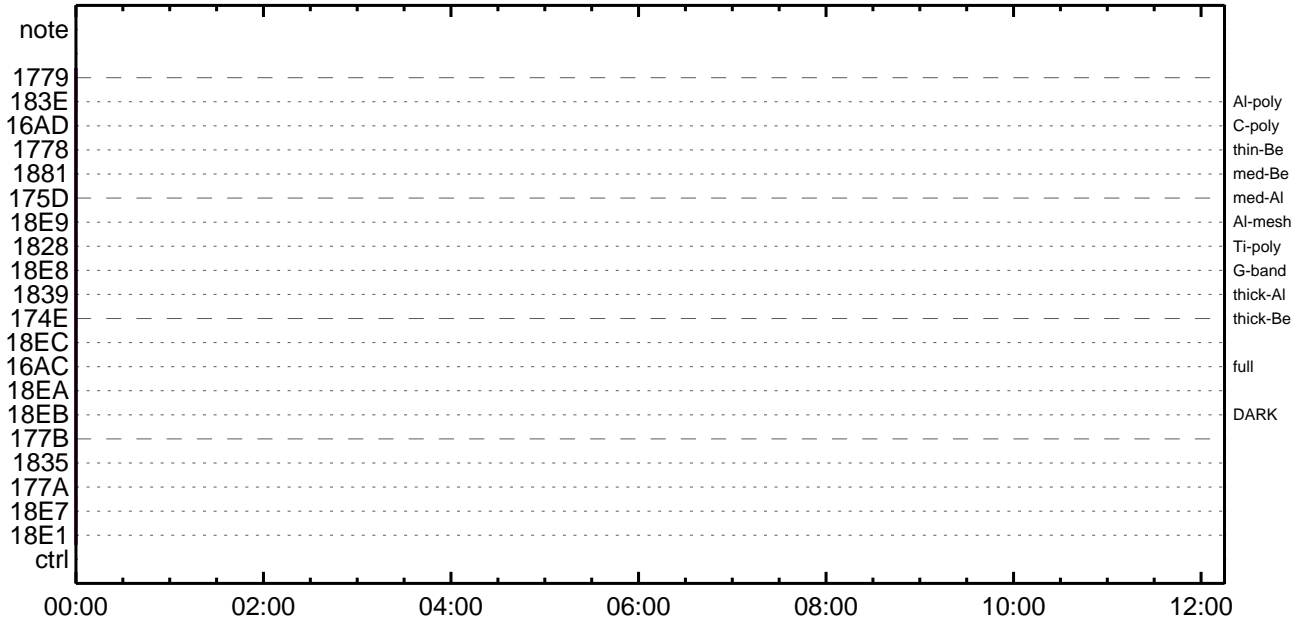
CMDI #0639 2012/06/07



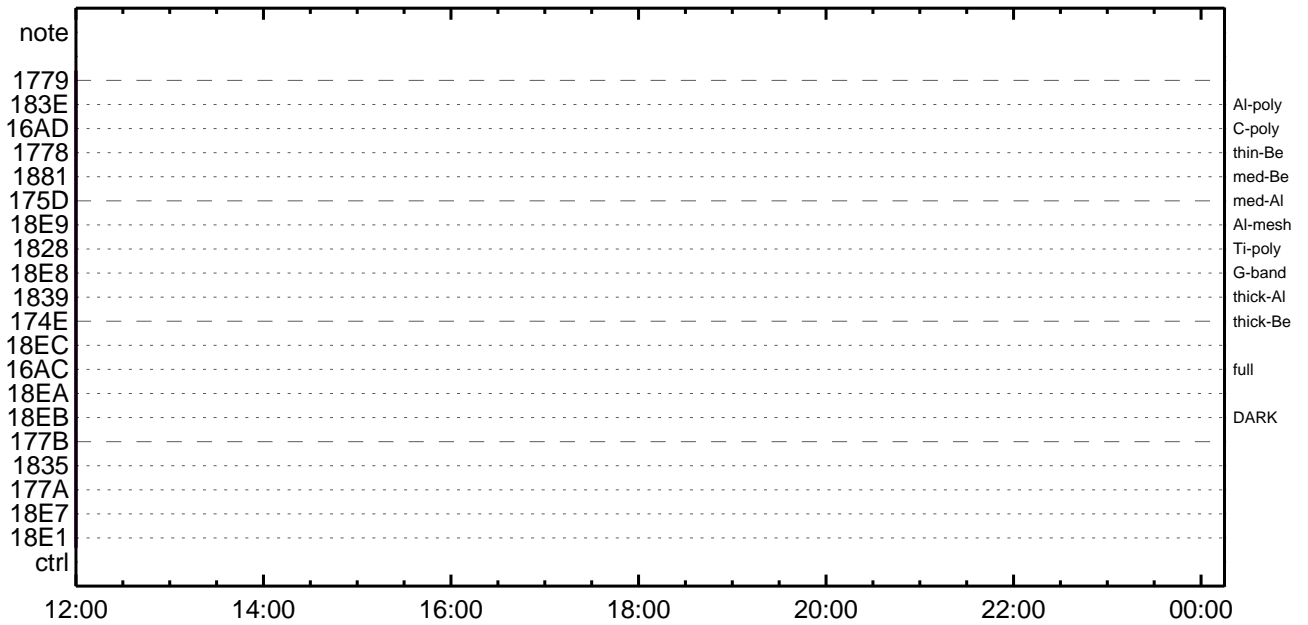
CMDI #0639 2012/06/07



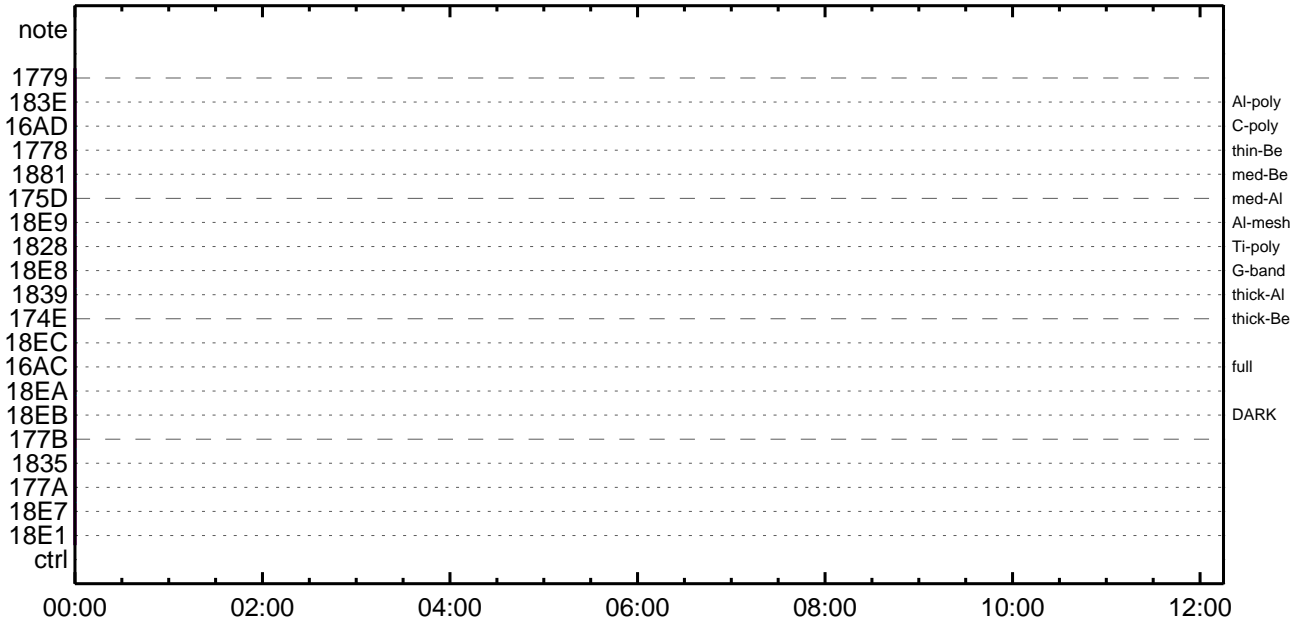
CMDI #0639 2012/06/08



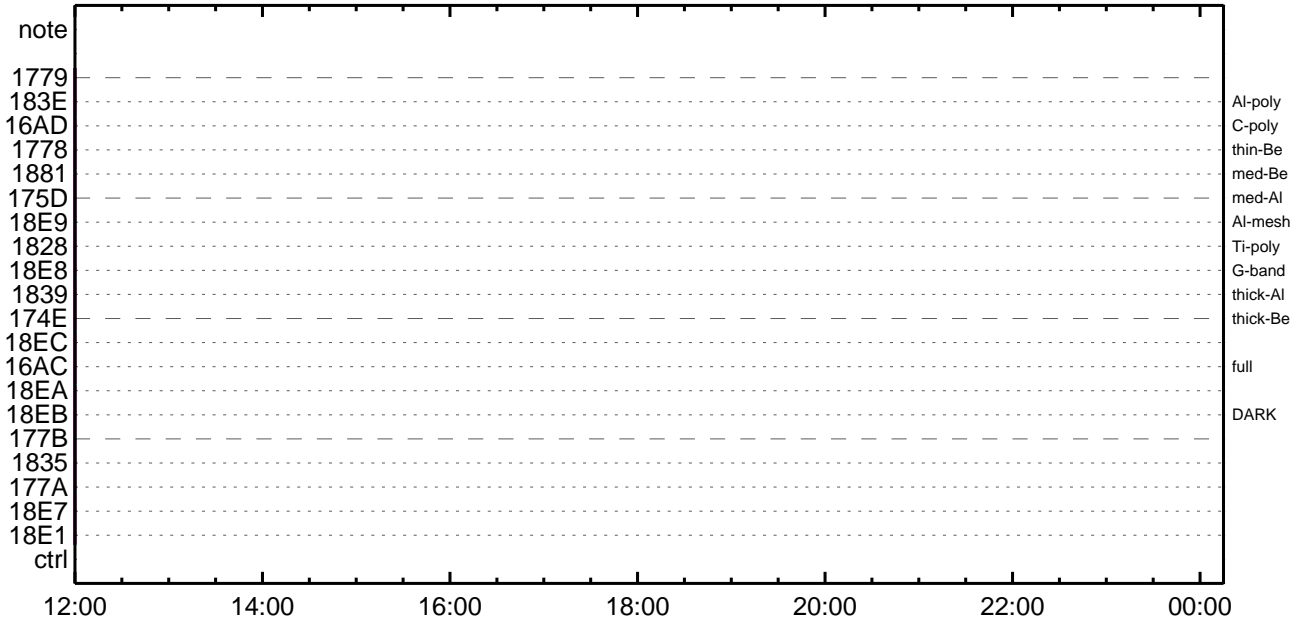
CMDI #0639 2012/06/08



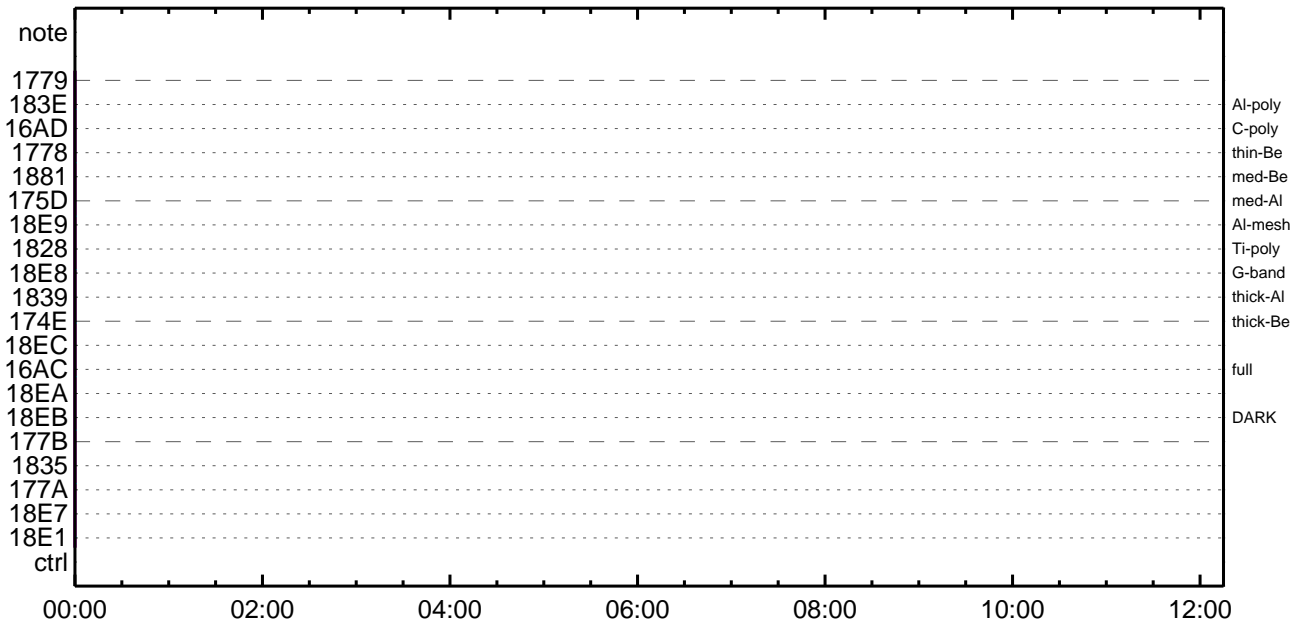
CMDI #0639 2012/06/09



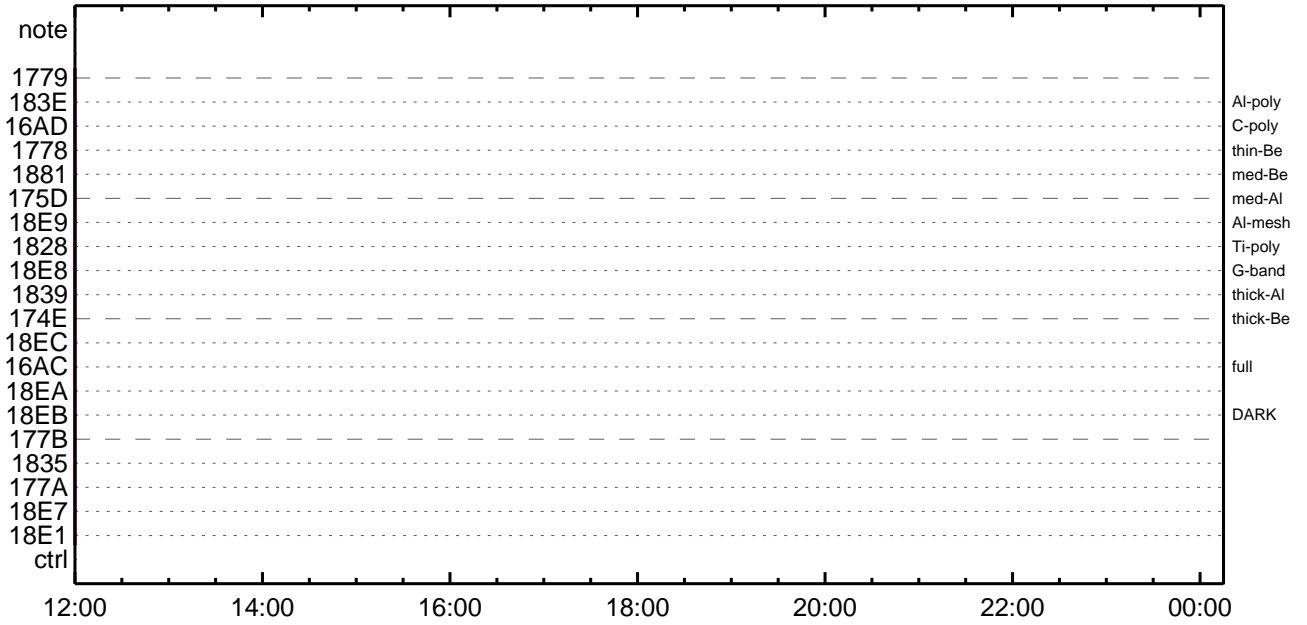
CMDI #0639 2012/06/09



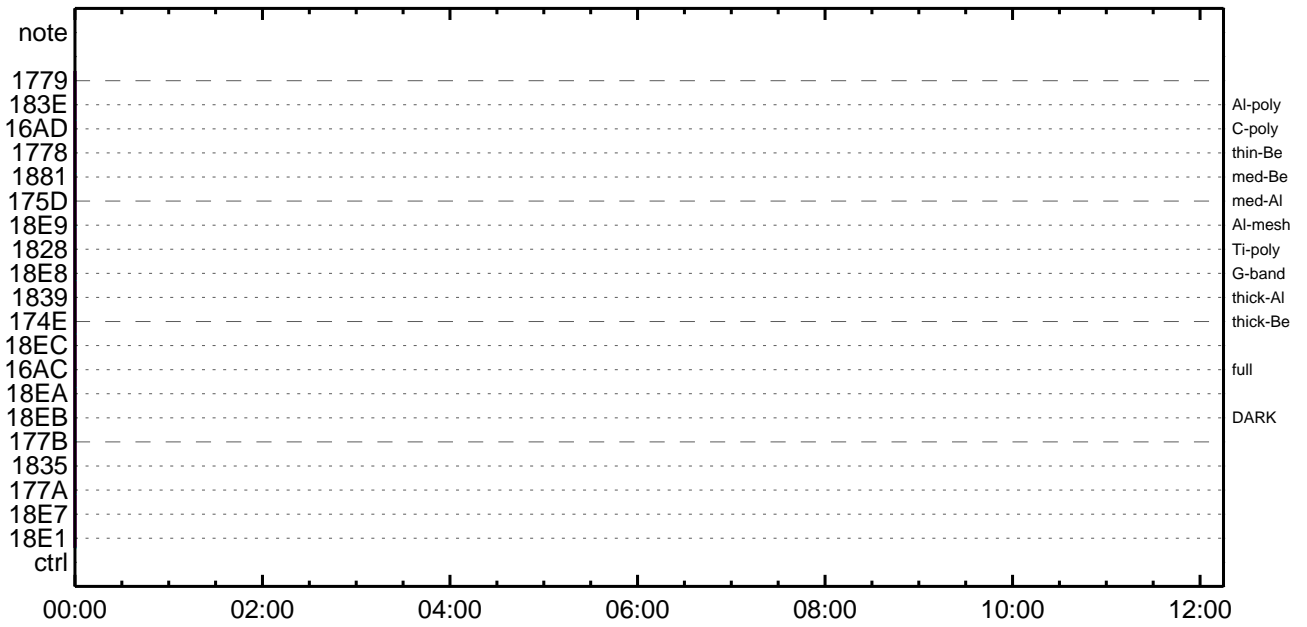
CMDI #0639 2012/06/10



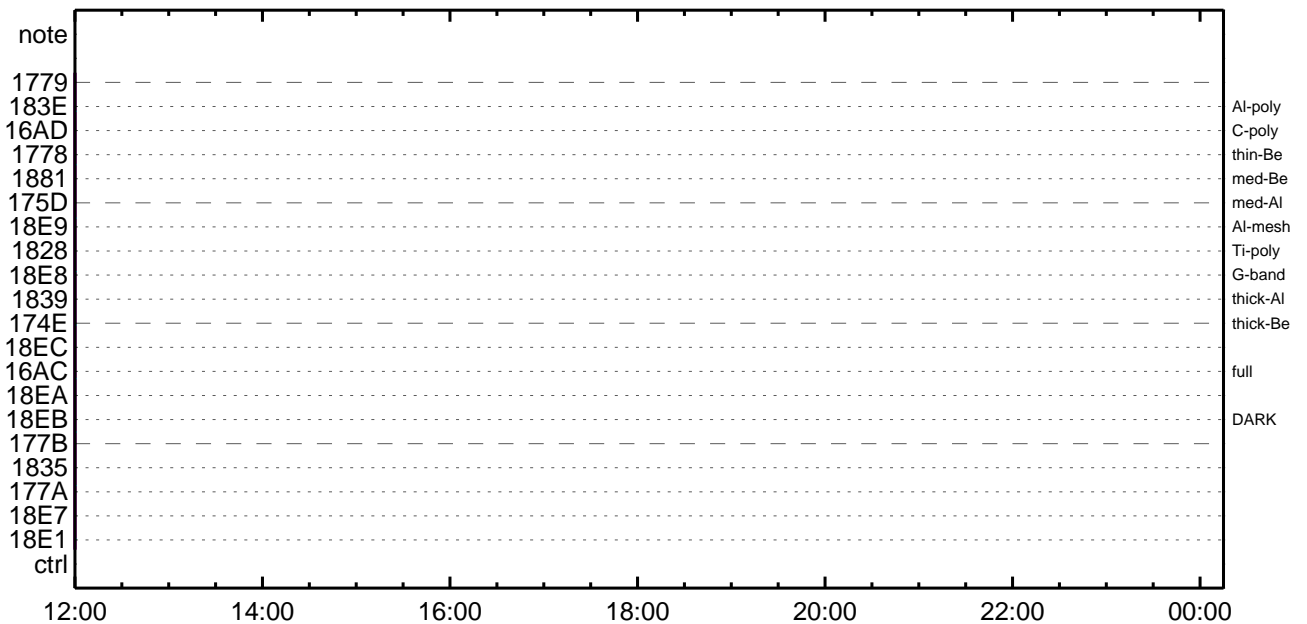
CMDI #0639 2012/06/10



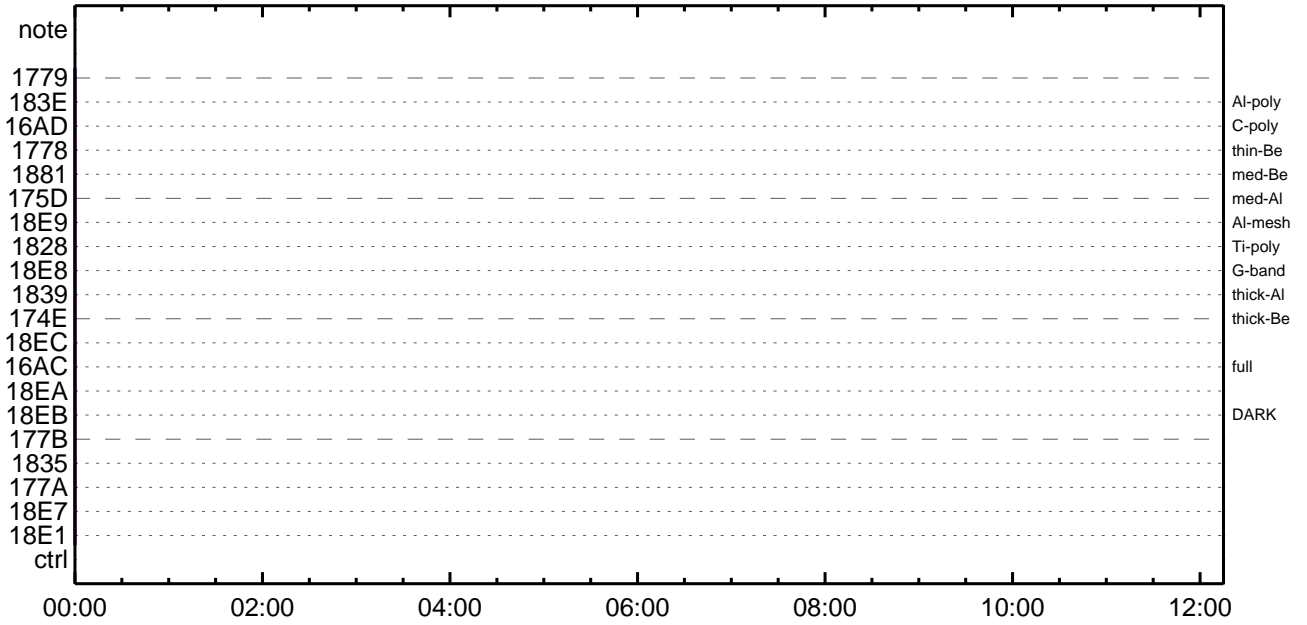
CMDI #0639 2012/06/11



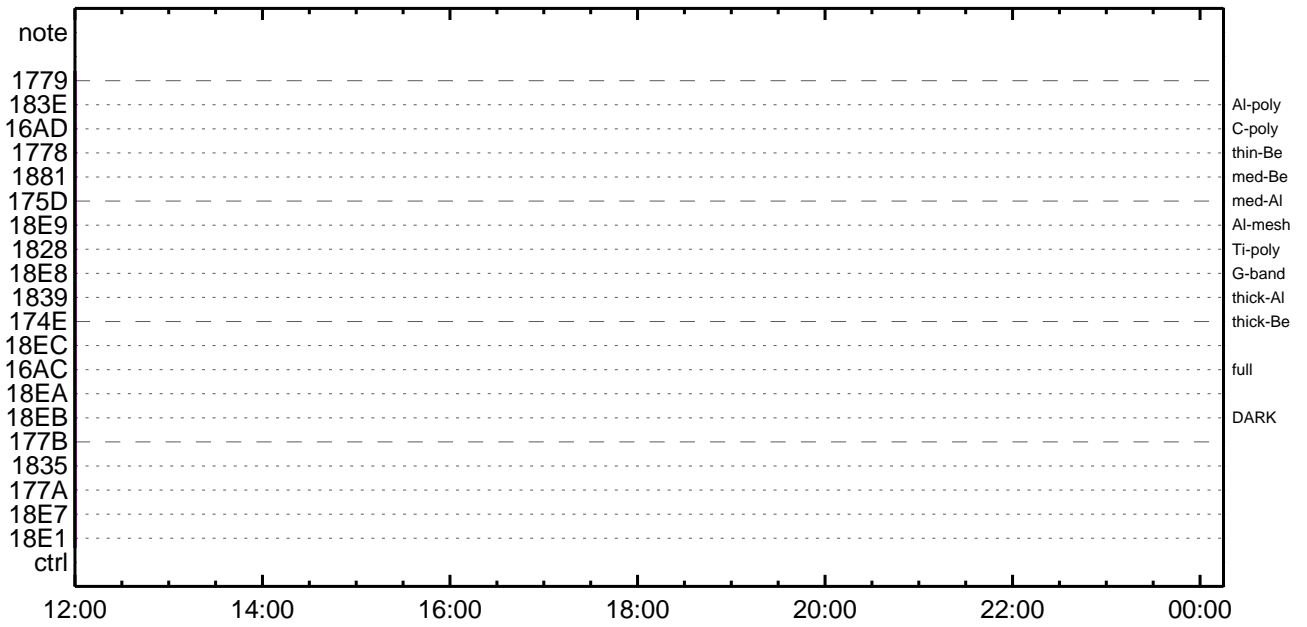
CMDI #0639 2012/06/11



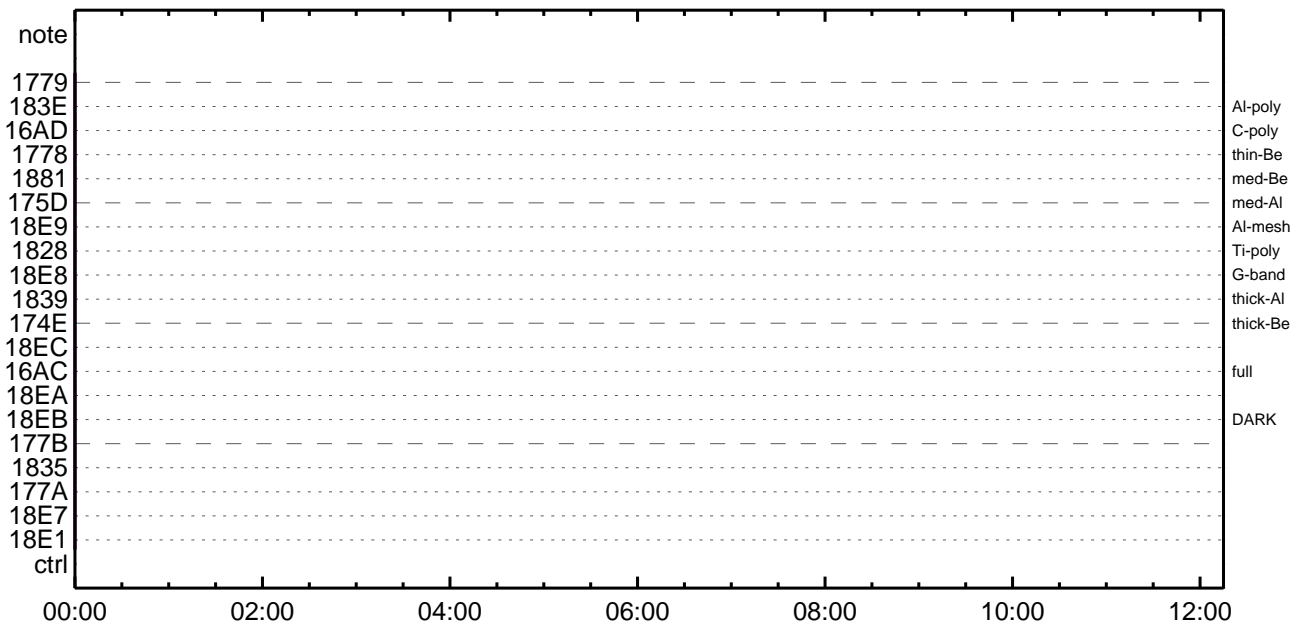
CMDI #0639 2012/06/12



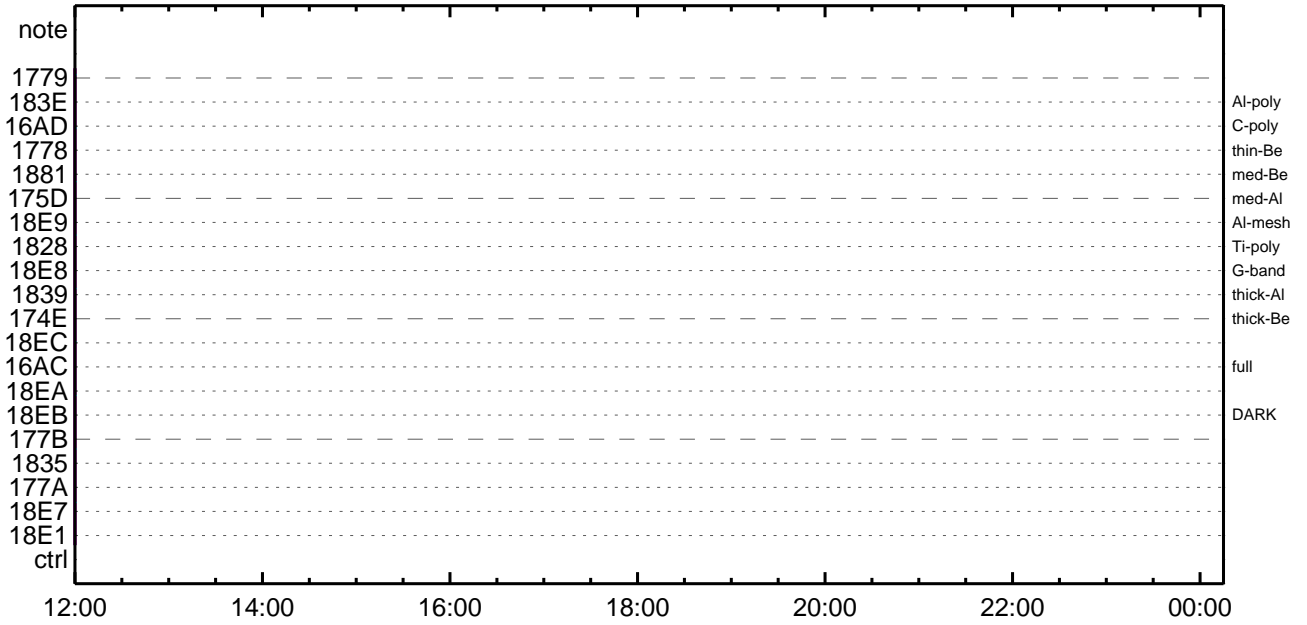
CMDI #0639 2012/06/12



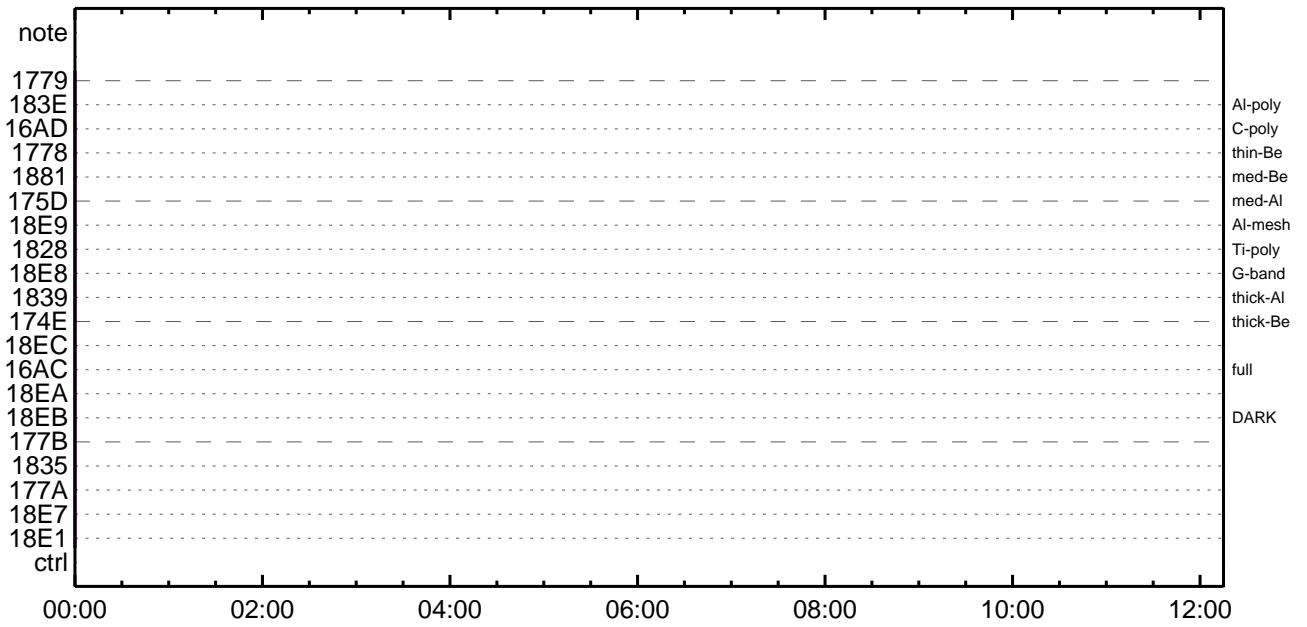
CMDI #0639 2012/06/13



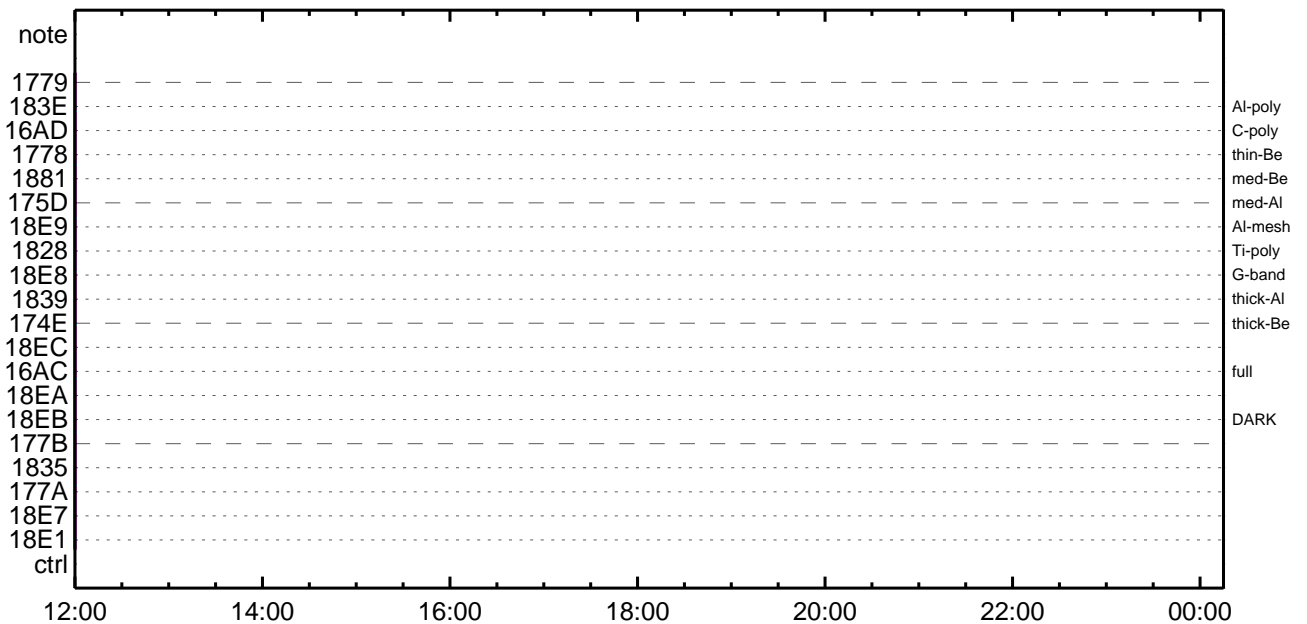
CMDI #0639 2012/06/13



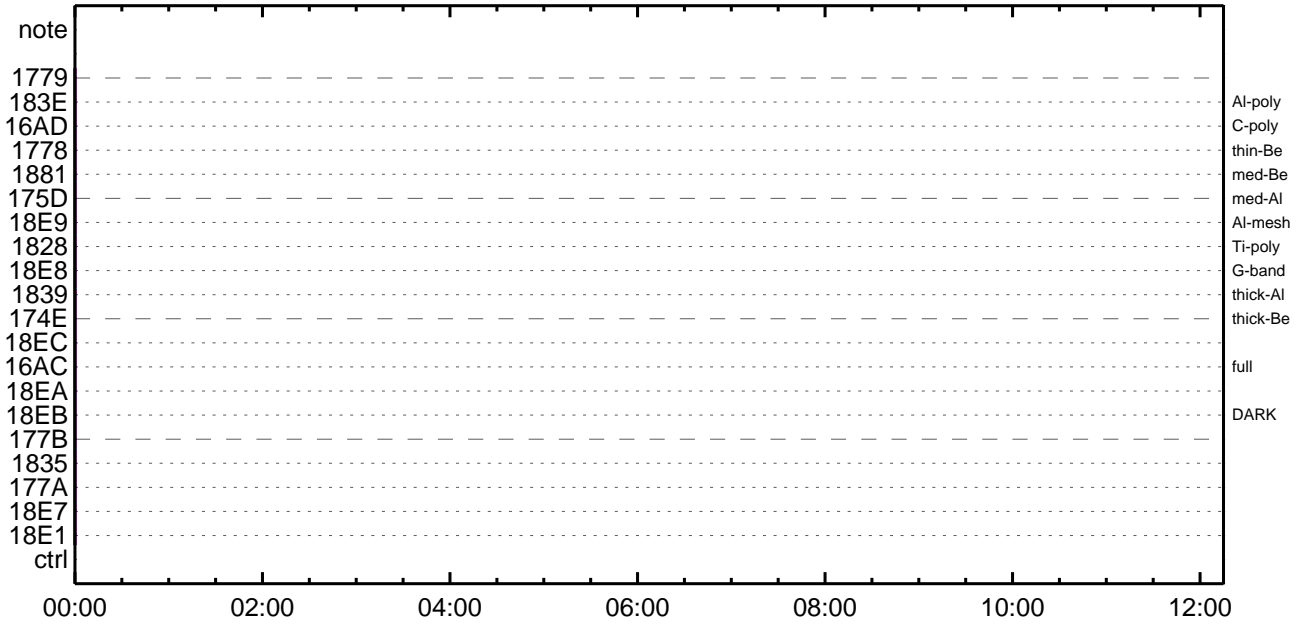
CMDI #0639 2012/06/14



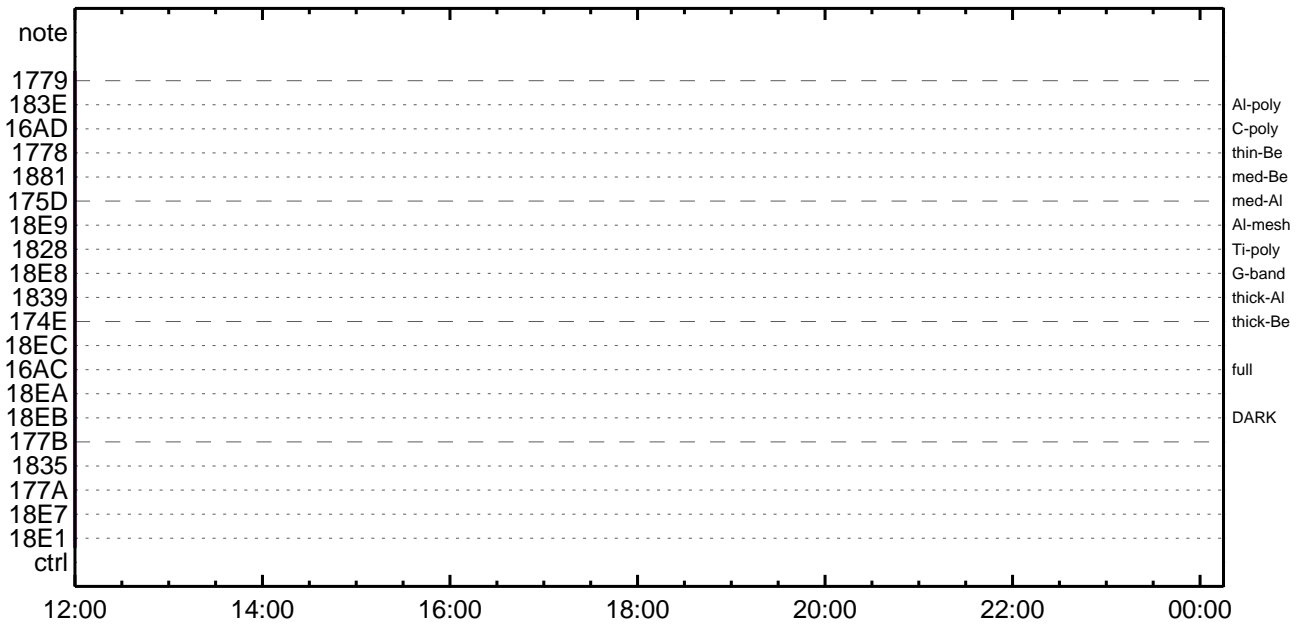
CMDI #0639 2012/06/14



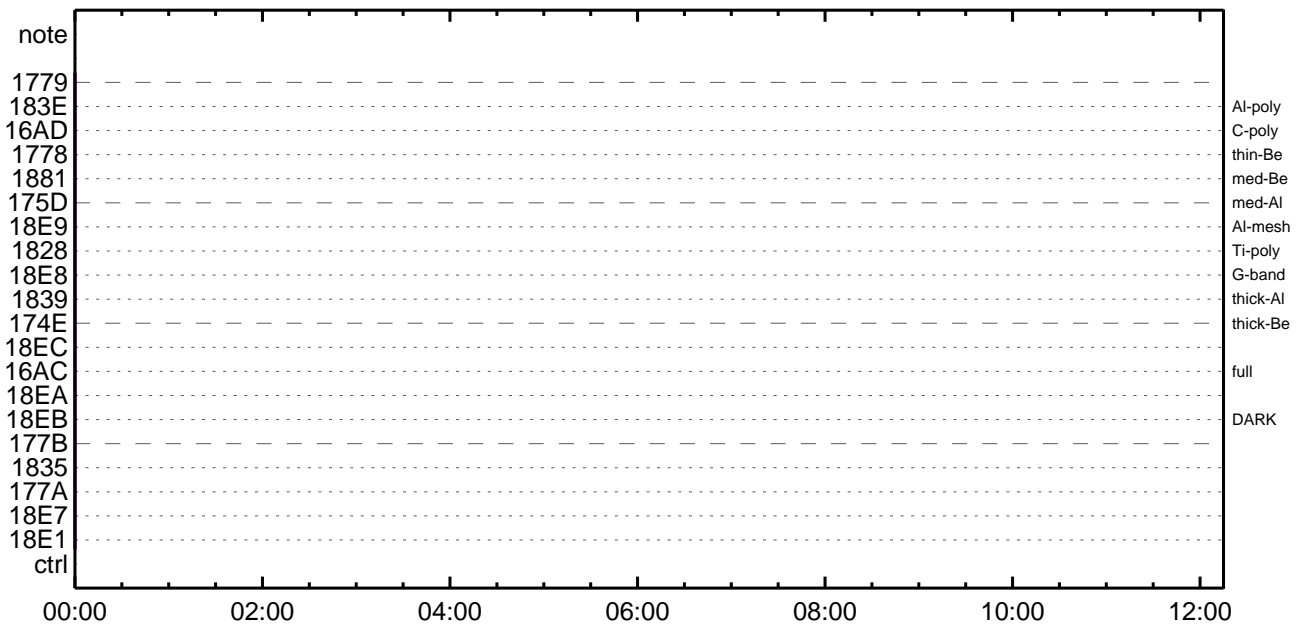
CMDI #0639 2012/06/15



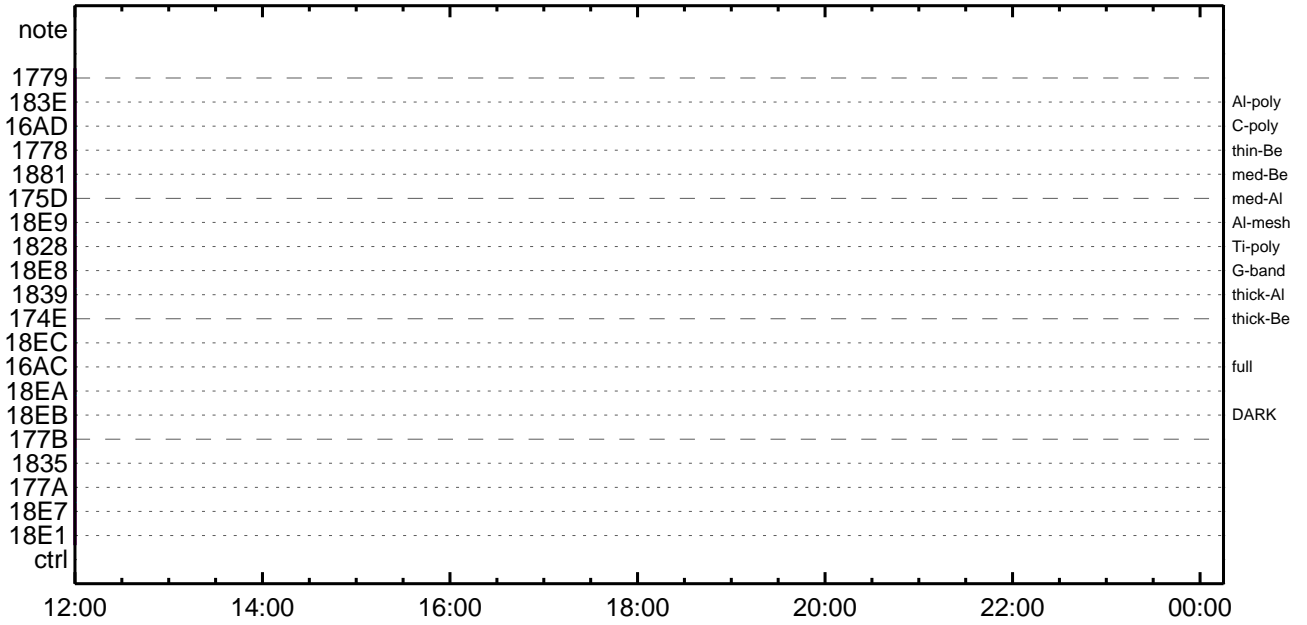
CMDI #0639 2012/06/15



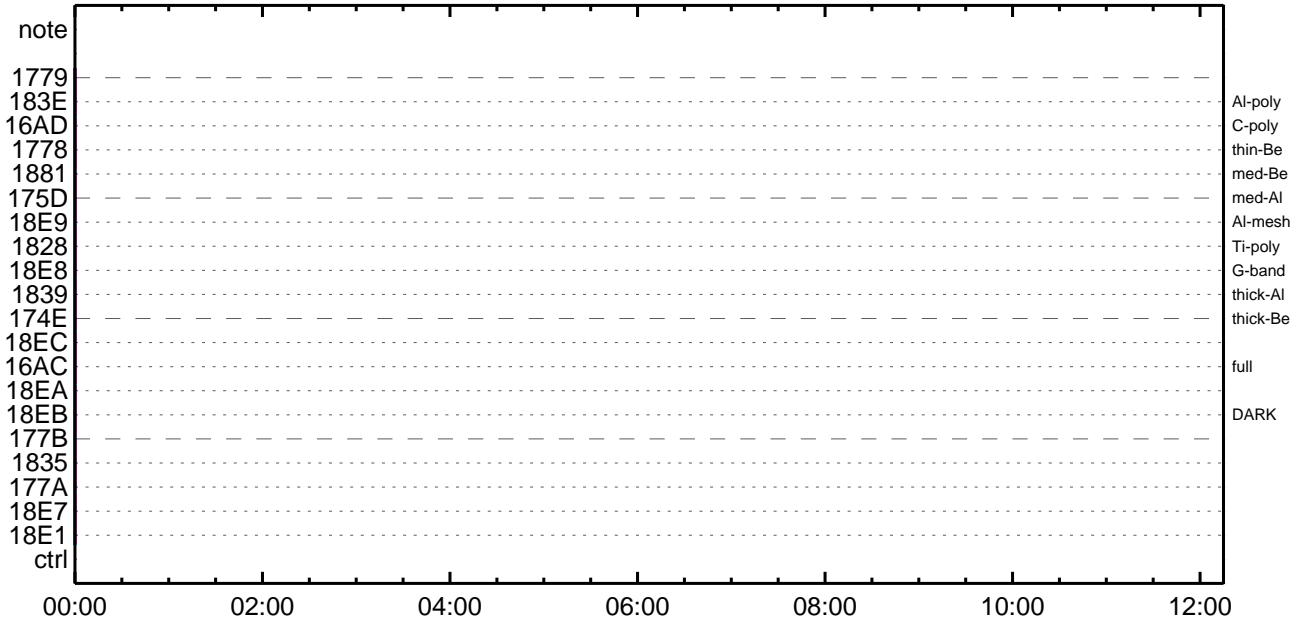
CMDI #0639 2012/06/16



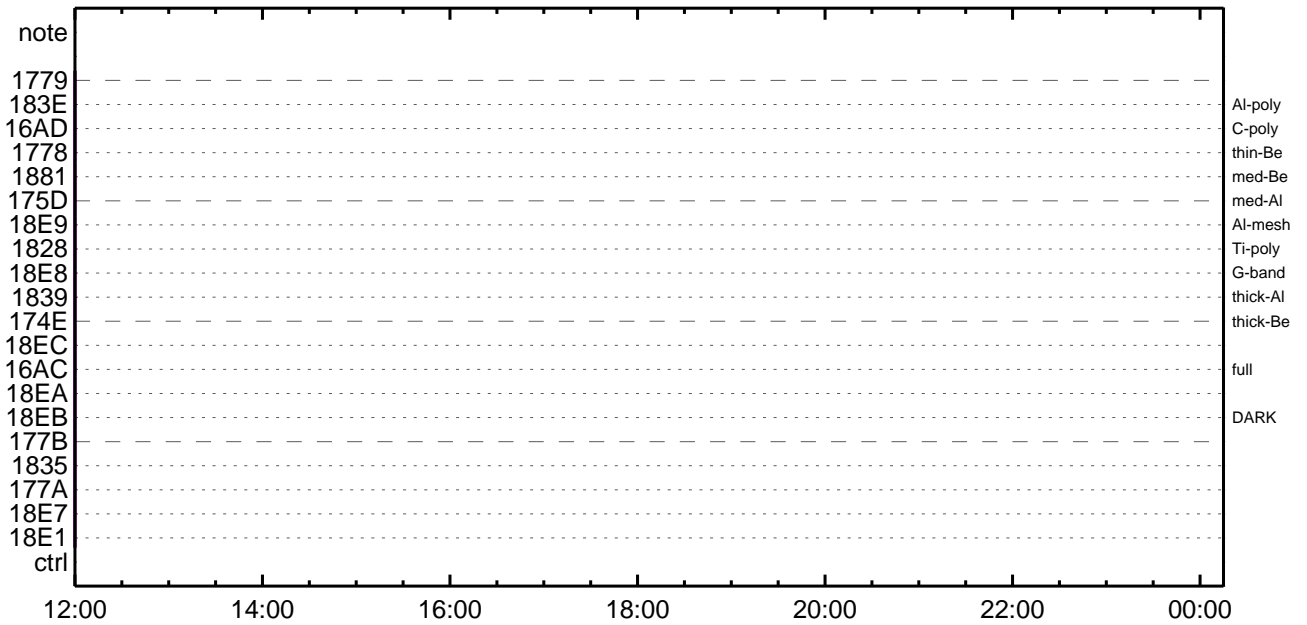
CMDI #0639 2012/06/16



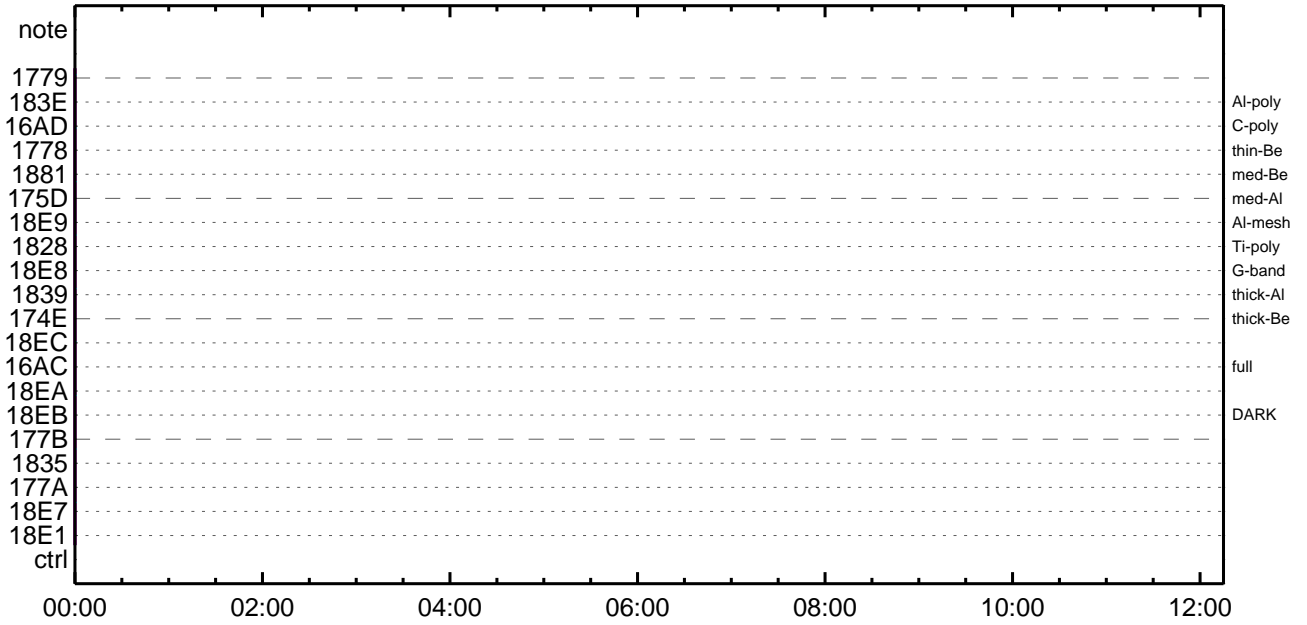
CMDI #0639 2012/06/17



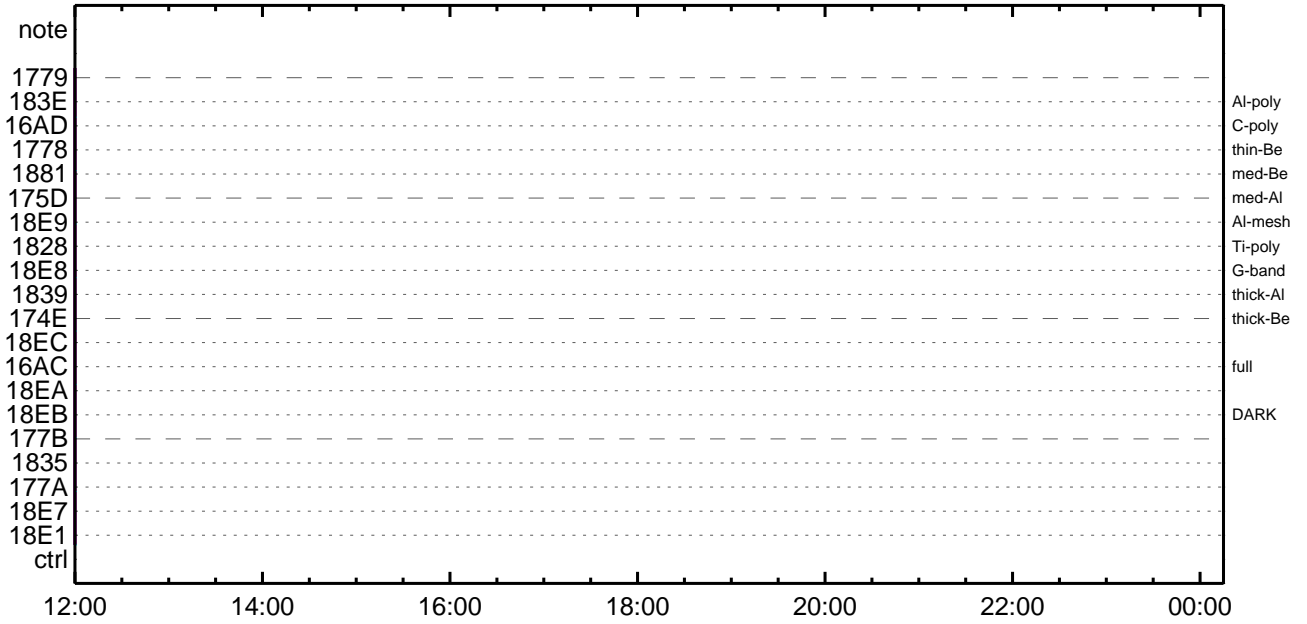
CMDI #0639 2012/06/17



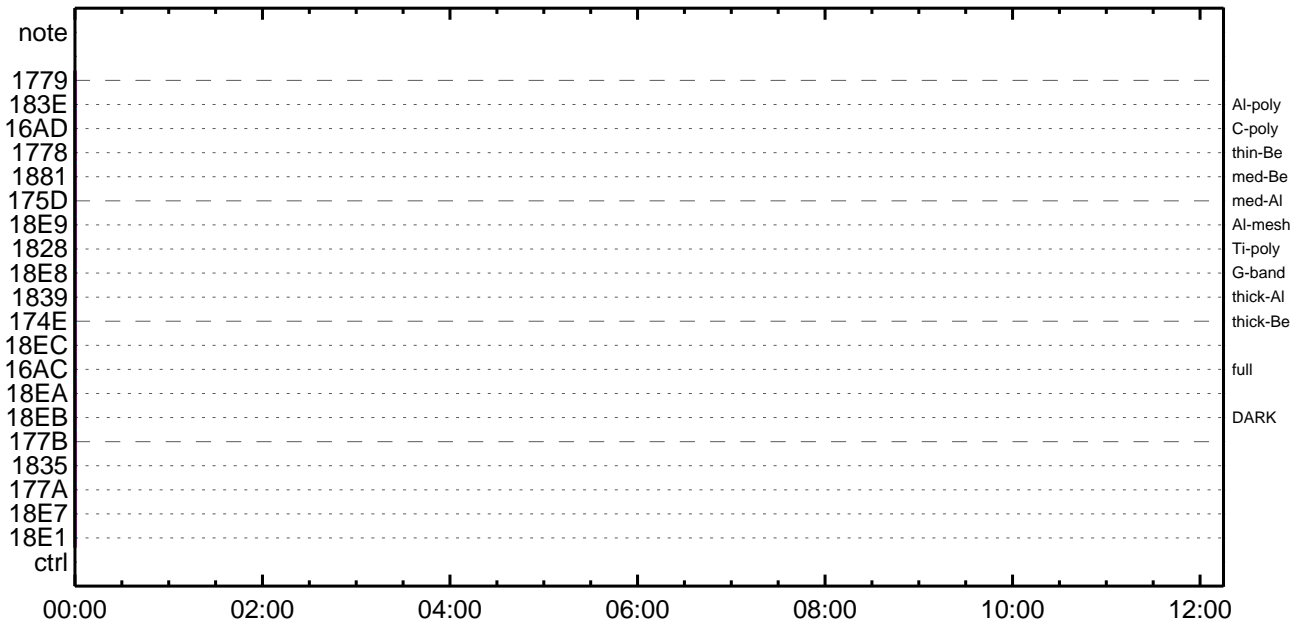
CMDI #0639 2012/06/18



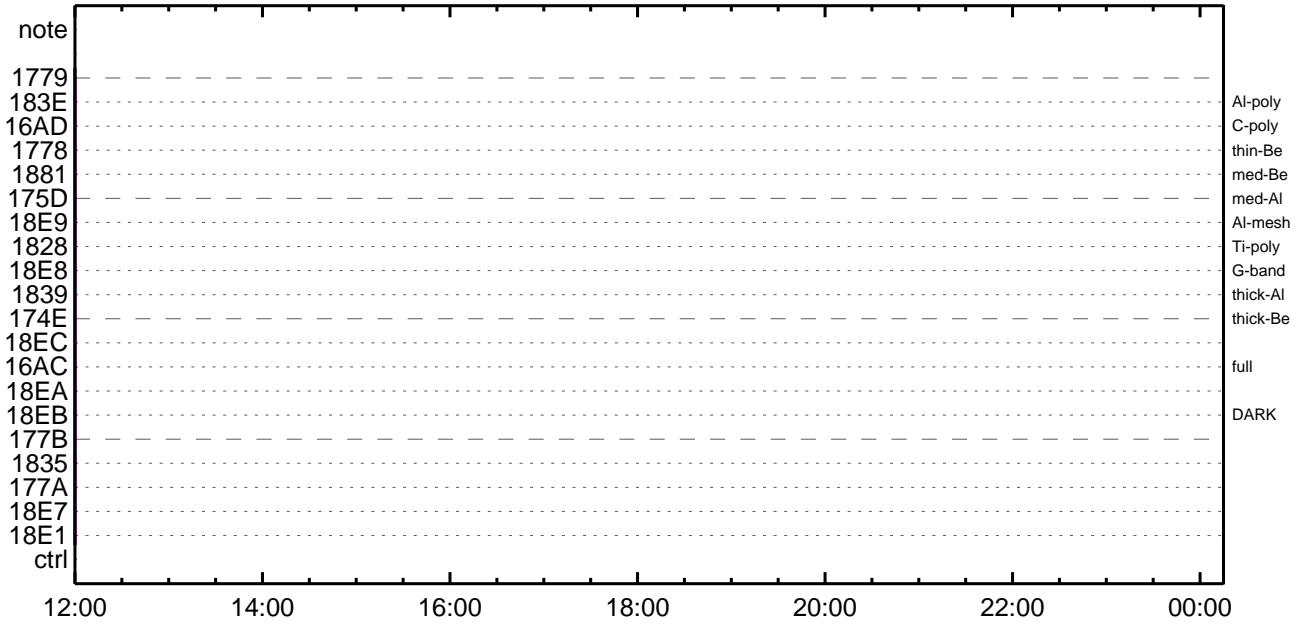
CMDI #0639 2012/06/18



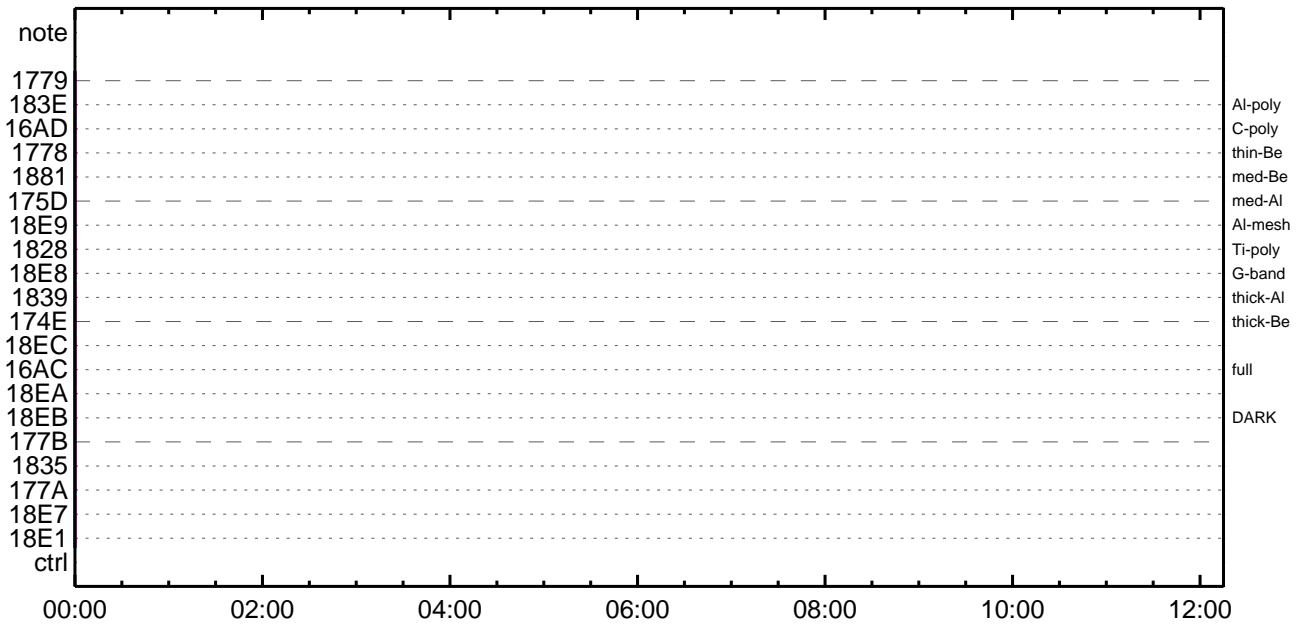
CMDI #0639 2012/06/19



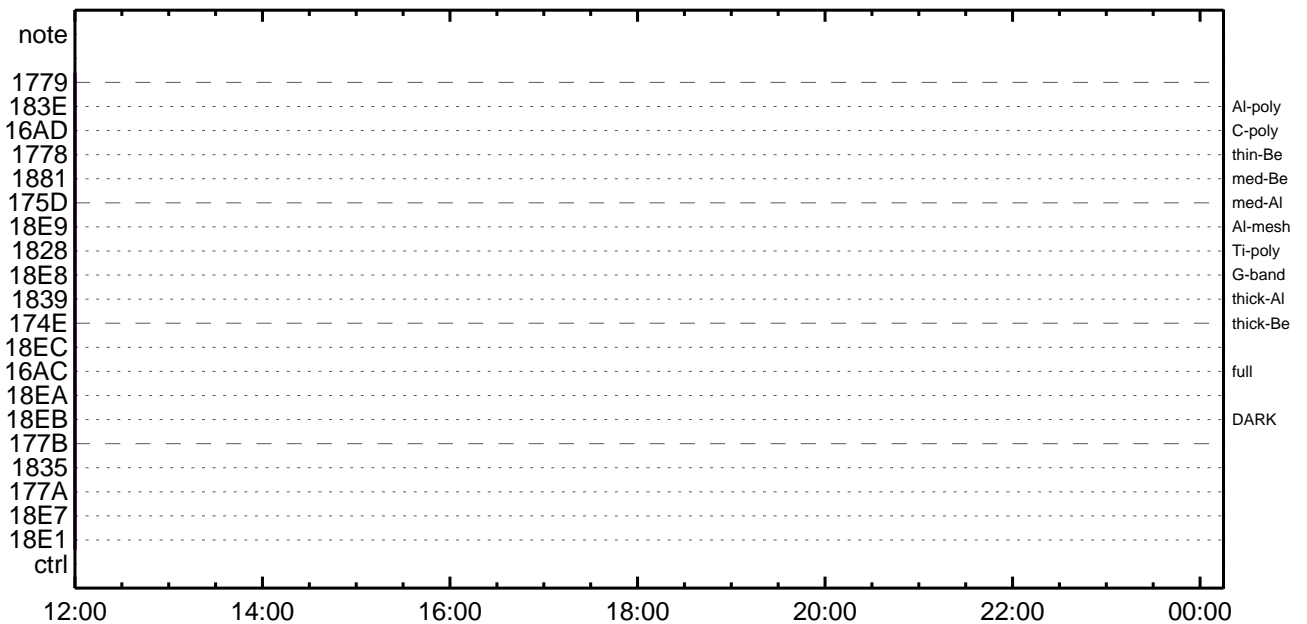
CMDI #0639 2012/06/19



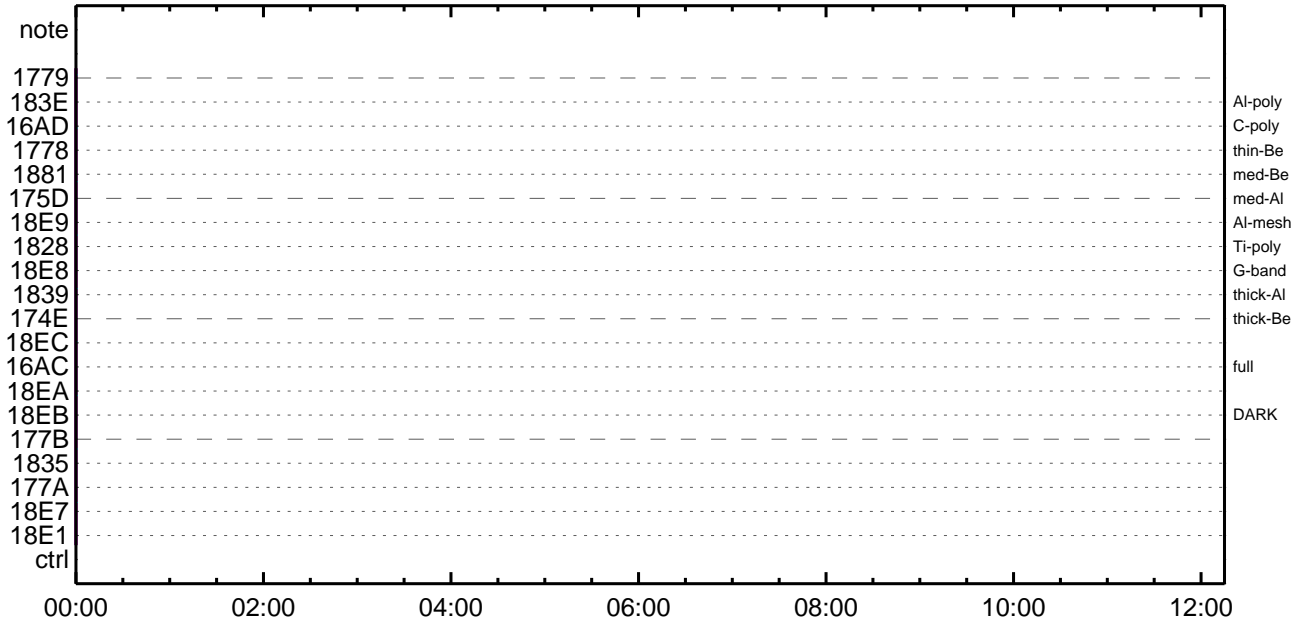
CMDI #0639 2012/06/20



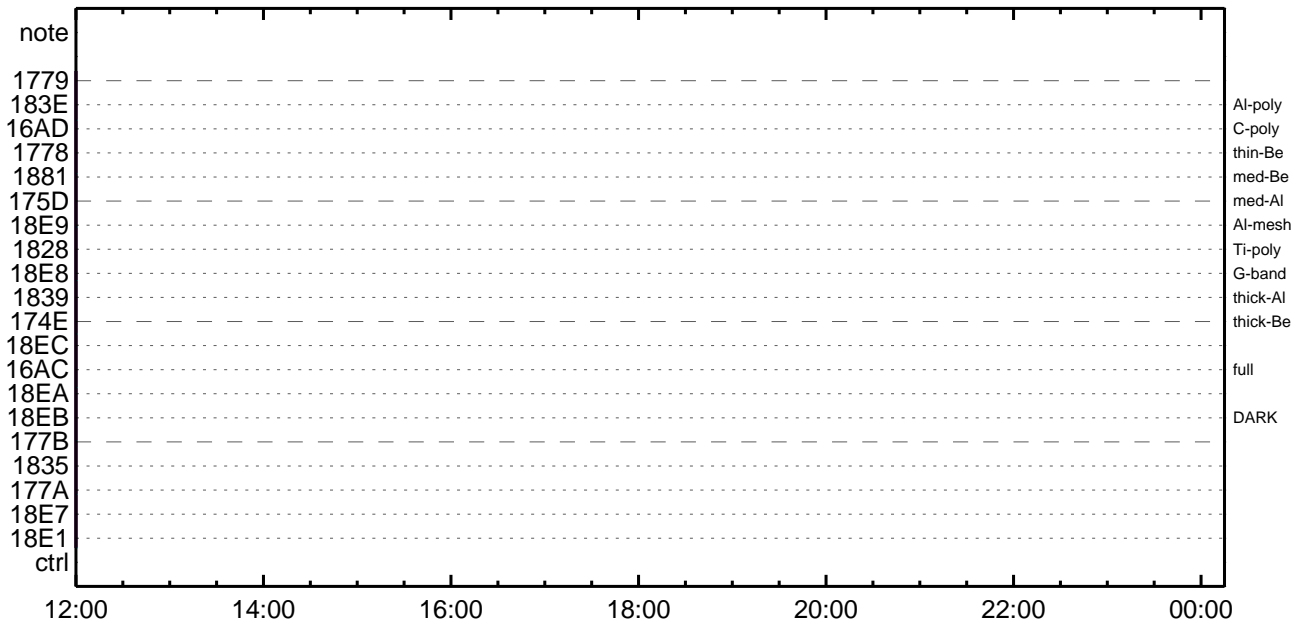
CMDI #0639 2012/06/20



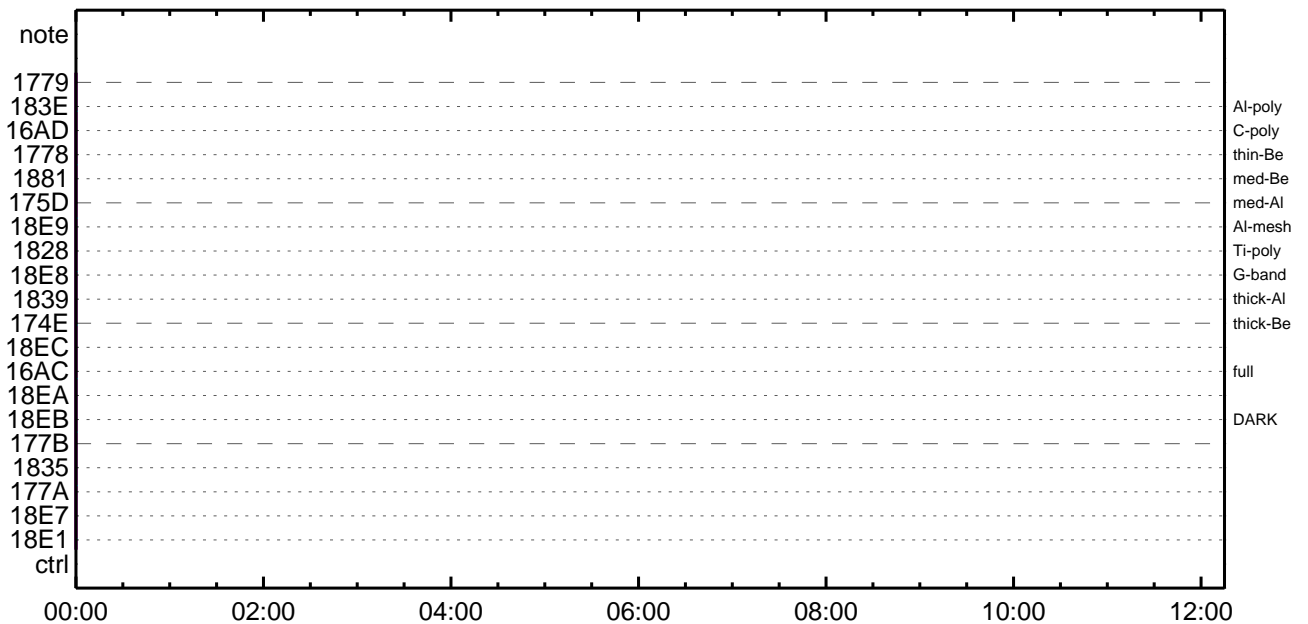
CMDI #0639 2012/06/21



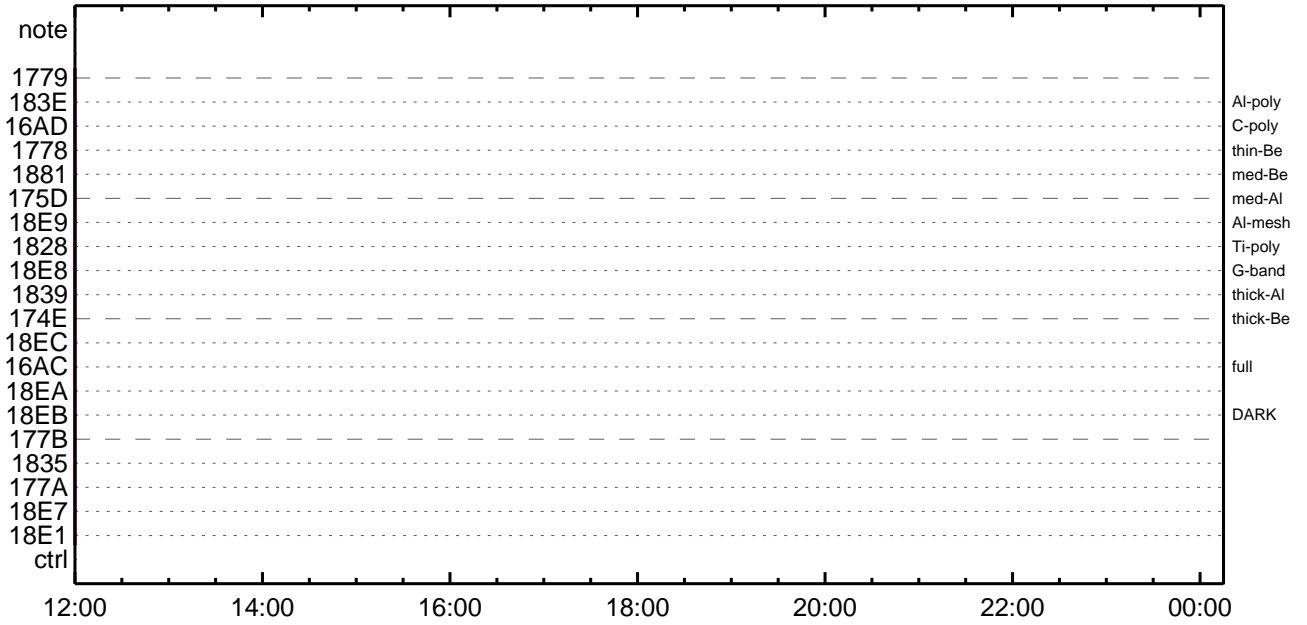
CMDI #0639 2012/06/21



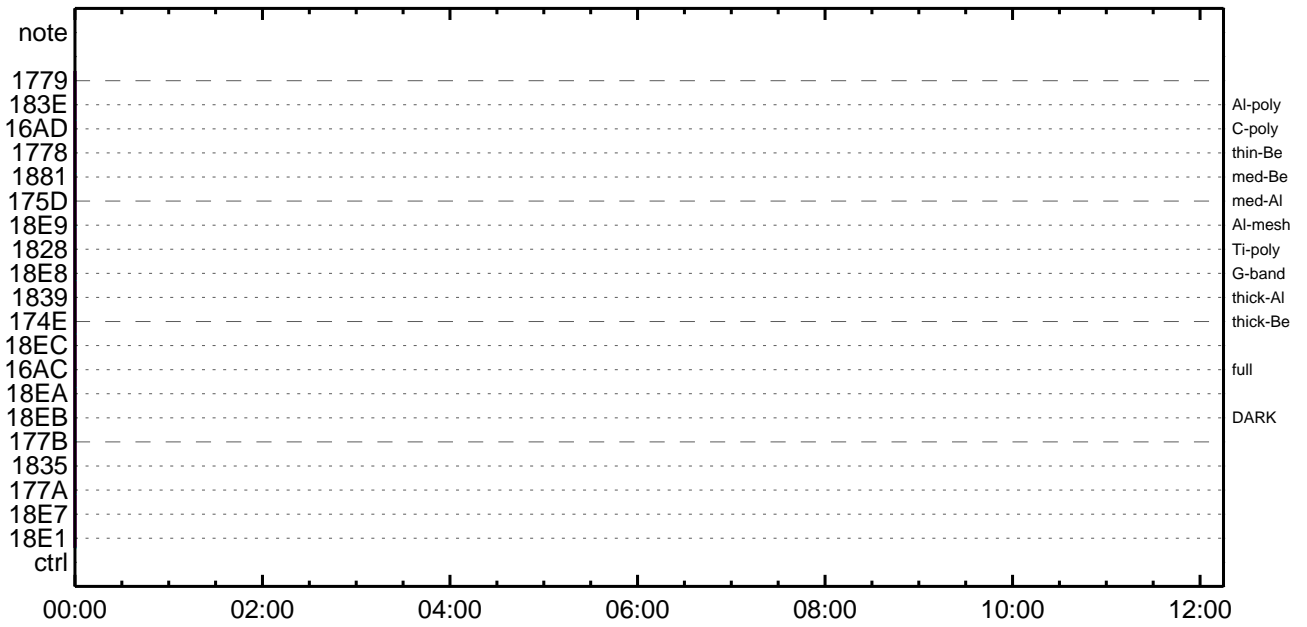
CMDI #0639 2012/06/22



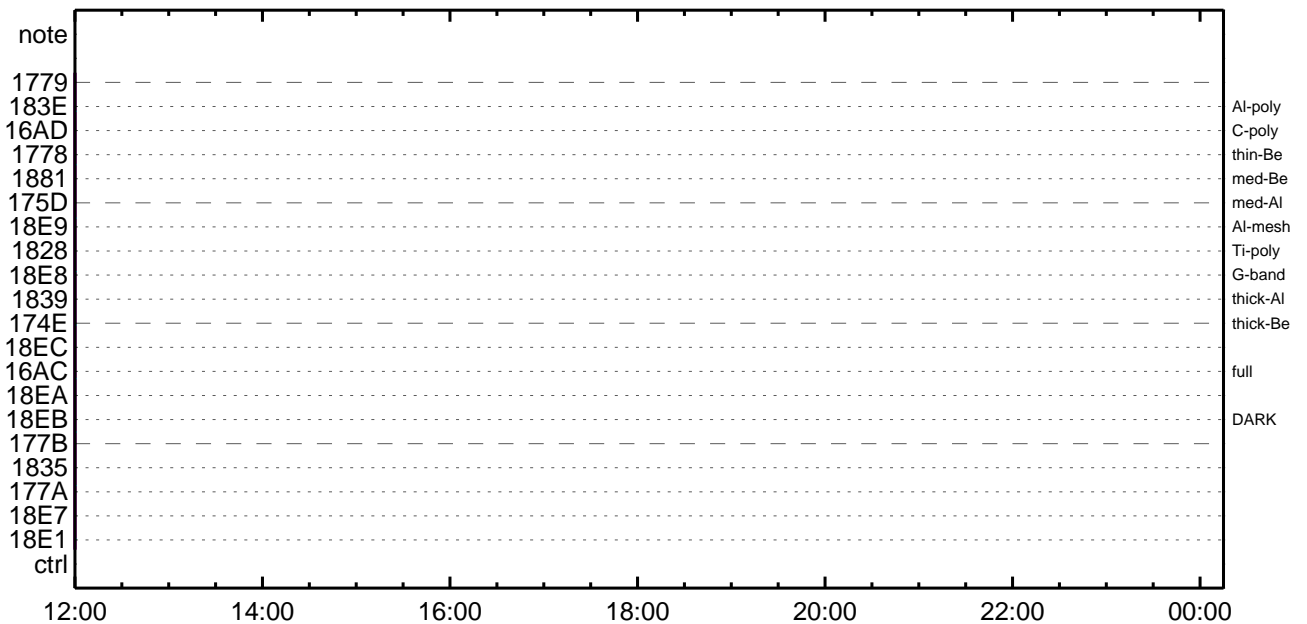
CMDI #0639 2012/06/22



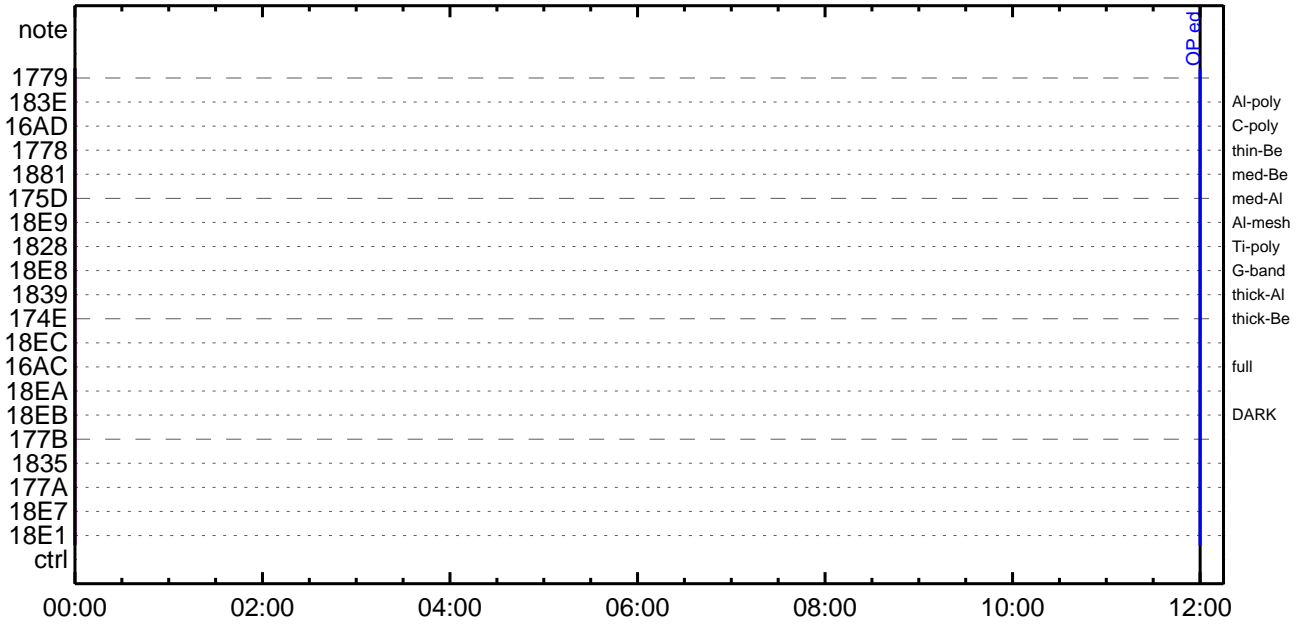
CMDI #0639 2012/06/23



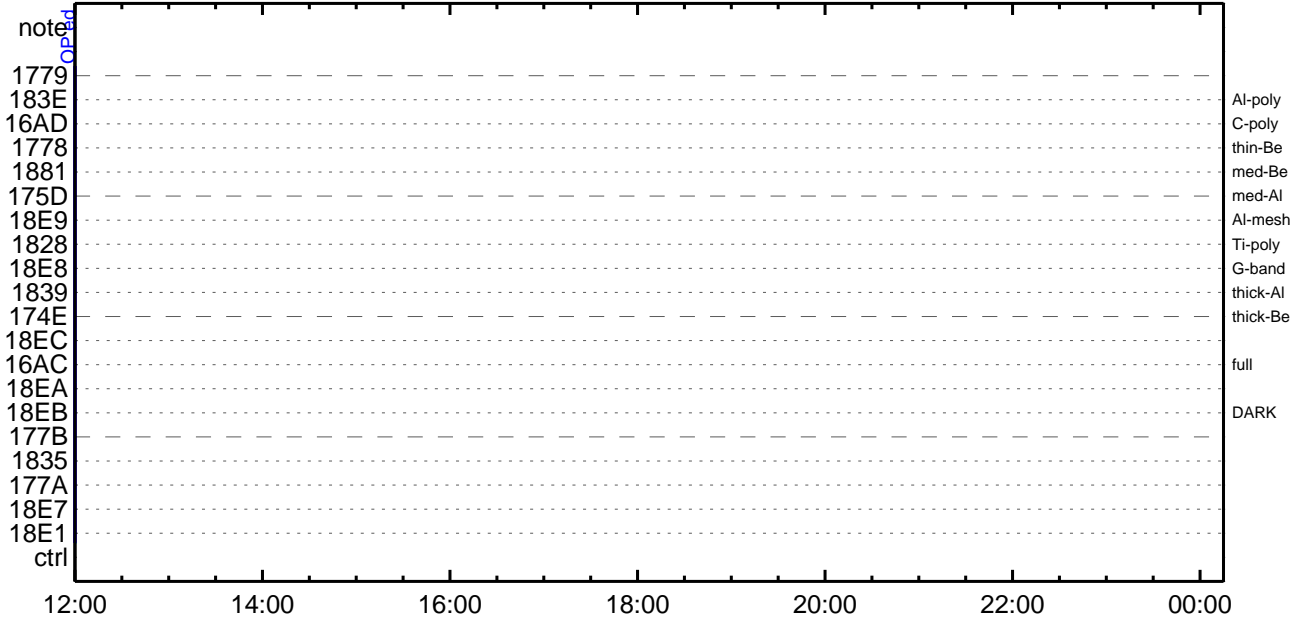
CMDI #0639 2012/06/23



CMDI #0639 2012/06/24



CMDI #0639 2012/06/24




```

0096 C.                03ab030102)
0097 C.
0098 . C. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0099 +. TI 2012-05-19 10:01:00.0
0100 DC 01-B3 DHU_OP_STOP
0101 C.                07 0b f8)
0102 C.
0103 +. TI 2012-05-19 10:01:01.0
0104 DC 01-B4 DHU_OP_COPY
0105 C.                02)
0106 C.
0107 +. TI 2012-05-19 10:01:01.0
0108 DC 01-B5 DHU_OPOG_COPY
0109 C.                02)
0110 C.
0111 +. TI 2012-05-19 10:05:59.5
0112 DC 01-B2 DHU_OP_START
0113 C.                [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0114 C.
0115 C. *
0116 C.                [ ] [HK1_TI_CMD_NUM] 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. TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
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.                [ ] [HK1_DMP_CHK_FLG] EQ NON
0142 C.
0143 C.
0144 C. RAM ID=TI_TBL(0x03AB00-0x03AEFF;$ 1024byte)
0145 C.
0146 C. DHU_MODE_CHNG
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. *****
0155 C. SOT TI command set
0156 C. *****
0157 C. Execute, after the success of OP upload.
0158 +. TI 2012-05-19 10:05:16.0
0159 DC 07-F0 MDP_SOT_MODE_STBY
0160 BC (41)
0161 C.
0162 C.                [ ] [HK1_TI_CMD_NUM] EQ 1 CNTUP [ ]
0163 C.
0164 C. ***** SOT END *****
0165 C. Stop EIS observation and temporarily disable EIS mode changes
0166 C.
0167 C.
0168 C. ***** Start EIS operation (TI set) *****
0169 C. Execute, after the success of OP upload.
0170 C. Set EIS TI-commands
0171 +. TI 2012-05-19 10:05:30.0
0172 DC 07-FC EIS_MODE_MANU
0173 BC (21 02)
0174 +. TI 2012-05-19 10:05:40.0
0175 DC 07-FC EIS_MODE_CHG_DIS
0176 BC (22)
0177 C.                [ ] [HK1_TI_CMD_NUM] EQ 2 COUNTUP
0178 C. ***** End EIS operation (TI set) *****
0179 C.
0180 C.
0181 C.
0182 C. ***** XRT START *****
0183 C. Execute, after the success of OP upload.
0184 +. TI 2012-05-19 10:05:00.0
0185 DC 07-F0 MDP_XRT_MODE_STBY
0186 BC (c3)
0187 C.                [ ] [HK1_TI_CMD_NUM] EQ 1COUNTUP
0188 C.
0189 C. ***** XRT END *****
0190 C.
0191 C. ***** MDP dcbc-402:DCBC *****
0192 C. (%
0193 S. DC-BC dcbc-402:DCBC

```

```
0194 (MDP_known_event)
0195 C.
0196 C.
0197 . C. ***** ¥ÐŸ!•İ Daily±;İÑøĒ'Øσ¹αēDCBC•x²è *****
0198 . S. DC-BC dcbc-153:DCBC
0199 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0200 C.
0201 C.
0202 . C. ;ãLOS¥Á¥S¥Ã¥~¼Â»Ü;ä
0203 C.
0204 . C. ***** LOS *****
0205 C.
```


(a) Spacecraft Operation Procedure (real-commands)

```
main-884 2012-05-19 13:28:23 132 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»Í×ÁÇøÍYçYÁY×Yí;¼YÉ;ÈÈèµ•ííÈ;ÈøÈ¼°ÇÓø•ø¿¼í¹çøÍ;çÀ®, ùø¹øèøÈøçÁ+¿®ø•øÈøøøøøÈ;f
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_MODE_STBY
0020 BC (c3)
0021 . C. ----- Success Verify ? OK / NG____
0022 C.
0023 C. XRT Obs. Table Upload
0024 . S. RAM ram-291:MDP_OBS_X
0025 ( )
0026 C.
0027 +. DC 07-F0 MDP_DUMP_XRTTBL
0028 BC (84 07 00 00 00 3a d4)
0029 . C. ----- Comparison Check ? OK / ERR ____
0030 C.
0031 C.
0032 +. DC 07-F0 MDP_XRT_ROI_SET
0033 BC (cd 01 b1 b1 04 04)
0034 + DC 07-F0 MDP_XRT_ROI_SET
0035 BC (cd 02 b1 b1 08 08)
0036 + DC 07-F0 MDP_XRT_ROI_SET
0037 BC (cd 03 b1 b1 08 08)
0038 + DC 07-F0 MDP_XRT_ROI_SET
0039 BC (cd 04 b1 b1 06 06)
0040 + DC 07-F0 MDP_XRT_ROI_SET
0041 BC (cd 05 85 83 06 06)
0042 + DC 07-F0 MDP_XRT_ROI_SET
0043 BC (cd 06 85 83 06 06)
0044 + DC 07-F0 MDP_XRT_ROI_SET
0045 BC (cd 07 80 60 20 18)
0046 + DC 07-F0 MDP_XRT_ROI_SET
0047 BC (cd 08 a0 80 18 20)
0048 + DC 07-F0 MDP_XRT_ROI_SET
0049 BC (cd 09 80 80 20 20)
0050 + DC 07-F0 MDP_XRT_ROI_SET
0051 BC (cd 0a 80 80 20 08)
0052 + DC 07-F0 MDP_XRT_ROI_SET
0053 BC (cd 0b 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_AEC_RESET
0063 BC (d0)
0064 + DC 07-F0 MDP_XRT_ARS_DIS
0065 BC (d5)
0066 + DC 07-F0 MDP_XRT_FLD_RESET
0067 BC (da)
0068 +. DC 07-F0 MDP_XRT_QT_PROG_SET
0069 BC (c4 0a)
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 2012-05-19 10:05:02.0
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. SOT table upload
0087 C. *****
0088 . C. < Stop FG table >
0089 +. DC 07-F0 MDP_FG_CTRL_MANU
0090 BC (51)
0091 . C. -----
0092 C. MDP_FG_CTRL_MODE = MANU [ ]
0093 C. -----
0094 C.
0095 . C. <Upload FG Observation Table>
```

```

0096 . S. RAM ram-269:MDP_OBS_F
0097 ( )
0098 C.
0099 . C. < Dump RAMID=MDP_OBS_F >
0100 +. DC 07-F0 MDP_DUMP_FGTBL
0101 BC (82 07 00 00 00 38 b8)
0102 C. -----
0103 C. MDP_OBS_F verify = OK/NG [ ]
0104 C. -----
0105 C.
0106 C. *****
0107 C. SOT TI command set
0108 C. *****
0109 C. Execute, after the success of TBL upload.
0110 +. TI 2012-05-19 10:05:18.0
0111 DC 07-F0 MDP_SOT_MODE_OBSV
0112 BC (40)
0113 C. -----
0114 C. HK1_TI_CMD_NUM = 1 CNTUP [ ]
0115 C. -----
0116 C.
0117 C.
0118 . C. ***** MDP 'uAIfI»öYœAâá¹æDCBC•x²è *****
0119 C. (%â°iYÔYÄYËYÞYËYáYçYèœYœYâYÛœ)
0120 . S. DC-BC dcbc-402:DCBC
0121 (MDP_known_event)
0122 C.
0123 C.
0124 . C. ***** YDŸ¹·Ï Daily±;îÑœË'Øœ¹æDCBC•x²è *****
0125 . S. DC-BC dcbc-153:DCBC
0126 (SPECIAL-CMD_DAILY_OPERATIN_DCB)
0127 C.
0128 C.
0129 . C. ;ãLOSŸÄŸSŸÄŸ-¼Ä»Û;ã
0130 C.
0131 . C. ***** LOS *****
0132 C.

```

May 19, 12 13:28

XRT_OGLIST_0639.chk

Page 1/10

*** OP Sequence for XRT ***

```

2012/05/19 10:15:54.0 XRT_CTRL_MANU_400_OG [0x190]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 10:15:56.0 XRT_FOCUS_POSITION_447_OG [0x1bf]
                          XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2012/05/19 10:16:00.0 AOCS_OrE-point_Start_1_OG [0x097]
                          AOCU_NM 5 02-76 00 ac 00 00 00
2012/05/19 10:16:16.0 XRT_QT_PROG_SET_416_OG [0x1a0]
                          MDP_XRT_QT_PROG_SET 2 07-F0 c4 08
2012/05/19 10:16:18.0 XRT_FLD_DIS_425_OG [0x1a9]
                          MDP_XRT_FLD_DIS 1 07-F0 d9
2012/05/19 10:16:20.0 XRT_FLRCTRL_DIS_446_OG [0x1be]
                          MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2012/05/19 10:16:22.0 XRT_ARS_DIS_448_OG [0x1c0]
                          MDP_XRT_ARS_DIS 1 07-F0 d5
2012/05/19 10:31:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 12:15:54.0 XRT_CTRL_MANU_400_OG [0x190]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 12:15:56.0 XRT_FOCUS_POSITION_447_OG [0x1bf]
                          XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2012/05/19 12:16:00.0 AOCS_OrE-point_Start_2_OG [0x098]
                          AOCU_NM 5 02-76 00 00 00 54 00
2012/05/19 12:16:16.0 XRT_QT_PROG_SET_410_OG [0x19a]
                          MDP_XRT_QT_PROG_SET 2 07-F0 c4 12
2012/05/19 12:16:18.0 XRT_FLD_DIS_425_OG [0x1a9]
                          MDP_XRT_FLD_DIS 1 07-F0 d9
2012/05/19 12:16:20.0 XRT_FLRCTRL_DIS_446_OG [0x1be]
                          MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2012/05/19 12:16:22.0 XRT_ARS_DIS_448_OG [0x1c0]
                          MDP_XRT_ARS_DIS 1 07-F0 d5
2012/05/19 12:31:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 14:15:54.0 XRT_CTRL_MANU_439_OG [0x1b7]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 14:16:00.0 AOCS_OrE-point_Start_3_OG [0x099]
                          AOCU_NM 5 02-76 01 00 00 00 00
2012/05/19 14:18:26.0 XRT_FOCUS_POSITION_409_OG [0x199]
                          XRT_FOCUS_POSITION 4 07-F8 22 fe 97 00
2012/05/19 14:18:46.0 XRT_FLD_ENA_411_OG [0x19b]
                          MDP_XRT_FLD_ENA 1 07-F0 d8
2012/05/19 14:18:48.0 XRT_FLRCTRL_DIS_433_OG [0x1b1]
                          MDP_XRT_FLRCTRL_DIS 1 07-F0 c9
2012/05/19 14:18:50.0 XRT_AEC_RESET_443_OG [0x1bb]
                          MDP_XRT_AEC_RESET 1 07-F0 d0
2012/05/19 14:18:52.0 XRT_ARS_DIS_431_OG [0x1af]
                          MDP_XRT_ARS_DIS 1 07-F0 d5
2012/05/19 14:18:54.0 XRT_FLD_RESET_412_OG [0x19c]
                          MDP_XRT_FLD_RESET 1 07-F0 da
2012/05/19 14:18:56.0 XRT_QT_PROG_SET_421_OG [0x1a5]
                          MDP_XRT_QT_PROG_SET 2 07-F0 c4 0b
2012/05/19 14:18:58.0 XRT_FL_PROG_SET_449_OG [0x1c1]
                          MDP_XRT_FL_PROG_SET 2 07-F0 c5 0d
2012/05/19 14:19:00.0 XRT_CTRL_AUTO_406_OG [0x196]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 14:42:30.0 XRT_CTRL_MANU_408_OG [0x198]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 14:42:32.0 XRT_FLD_RESET_412_OG [0x19c]
                          MDP_XRT_FLD_RESET 1 07-F0 da
2012/05/19 14:42:34.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                          MDP_XRT_PREFLR_STRT 1 07-F0 e8
2012/05/19 14:45:44.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                          MDP_XRT_PREFLR_STOP 1 07-F0 e9
2012/05/19 15:19:30.0 XRT_Custom_418_OG [0x1a2]
2012/05/19 15:20:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 15:26:30.0 XRT_CTRL_MANU_408_OG [0x198]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 15:26:32.0 XRT_FLD_RESET_412_OG [0x19c]
                          MDP_XRT_FLD_RESET 1 07-F0 da
2012/05/19 15:26:34.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                          MDP_XRT_PREFLR_STRT 1 07-F0 e8
2012/05/19 15:28:30.0 XRT_Custom_418_OG [0x1a2]
2012/05/19 15:29:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 15:29:44.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                          MDP_XRT_PREFLR_STOP 1 07-F0 e9
2012/05/19 16:21:00.0 XRT_CTRL_MANU_408_OG [0x198]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 16:21:02.0 XRT_FLD_RESET_412_OG [0x19c]
                          MDP_XRT_FLD_RESET 1 07-F0 da
2012/05/19 16:21:04.0 XRT_PREFLR_STRT_422_OG [0x1a6]
                          MDP_XRT_PREFLR_STRT 1 07-F0 e8
2012/05/19 16:24:14.0 XRT_PREFLR_STOP_424_OG [0x1a8]
                          MDP_XRT_PREFLR_STOP 1 07-F0 e9
2012/05/19 17:05:30.0 XRT_Custom_418_OG [0x1a2]
2012/05/19 17:06:30.0 XRT_CTRL_AUTO_419_OG [0x1a3]
                          MDP_XRT_CTRL_AUTO 1 07-F0 c0
2012/05/19 17:45:54.0 XRT_CTRL_MANU_400_OG [0x190]
                          MDP_XRT_CTRL_MANU 1 07-F0 c1
2012/05/19 17:45:56.0 XRT_FOCUS_POSITION_401_OG [0x191]
                          XRT_FOCUS_POSITION 4 07-F8 22 ff aa 00

```

2012/05/19	17:46:00.0	AOCS_OrE-point_Start_4_OG [0x09a] AOCU_NM	5	02-76	00 00 00 00
2012/05/19	17:46:16.0	XRT_FLD_DIS_402_OG [0x192] MDP_XRT_FLD_DIS	1	07-F0	d9
2012/05/19	17:46:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2012/05/19	17:46:20.0	XRT_ARS_DIS_438_OG [0x1b6] MDP_XRT_ARS_DIS	1	07-F0	d5
2012/05/19	17:48:58.0	XRT_QT_PROG_SET_423_OG [0x1a7] MDP_XRT_QT_PROG_SET	2	07-F0	c4 07
2012/05/19	17:49:00.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/19	17:55:54.0	XRT_CTRL_MANU_439_OG [0x1b7] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/19	17:56:00.0	AOCS_OrE-point_Start_3_OG [0x099] AOCU_NM	5	02-76	01 00 00 00 00
2012/05/19	17:58:26.0	XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00
2012/05/19	17:58:46.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1	07-F0	d8
2012/05/19	17:58:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1] MDP_XRT_FLRCTRL_DIS	1	07-F0	c9
2012/05/19	17:58:50.0	XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET	1	07-F0	d0
2012/05/19	17:58:52.0	XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS	1	07-F0	d5
2012/05/19	17:58:54.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/19	17:58:56.0	XRT_QT_PROG_SET_421_OG [0x1a5] MDP_XRT_QT_PROG_SET	2	07-F0	c4 0b
2012/05/19	17:58:58.0	XRT_FL_PROG_SET_449_OG [0x1c1] MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d
2012/05/19	17:59:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/19	17:59:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/19	17:59:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/19	18:02:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/19	18:42:30.0	XRT_Custom_418_OG [0x1a2]			
2012/05/19	18:43:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/19	19:38:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/19	19:38:02.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/19	19:38:04.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/19	19:41:14.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/19	20:19:30.0	XRT_Custom_418_OG [0x1a2]			
2012/05/19	20:20:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/19	21:16:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/19	21:16:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/19	21:16:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/19	21:19:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/19	21:56:00.0	XRT_Custom_418_OG [0x1a2]			
2012/05/19	21:57:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/19	22:55:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/19	22:55:02.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/19	22:55:04.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/19	22:58:14.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/19	23:27:00.5	XRT_Custom_418_OG [0x1a2]			
2012/05/19	23:28:00.5	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/20	00:33:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/20	00:33:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/20	00:33:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/20	00:36:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/20	01:01:30.0	XRT_Custom_418_OG [0x1a2]			
2012/05/20	01:02:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1	07-F0	c0
2012/05/20	02:10:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/20	02:10:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/20	02:10:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1	07-F0	e8

May 19, 12 13:28

XRT_OGLIST_0639.chk

Page 5/10

2012/05/20	21:57:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
			MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/20	22:45:00.0	AOCS_OrE-point_Start_6_OG [0x09c]	AOCU_NM	5	02-76	00	37	be	de f2
2012/05/20	22:57:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/20	22:57:02.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2012/05/20	22:57:22.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2012/05/20	22:57:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/05/20	22:57:26.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/20	23:00:04.0	XRT_QT_PROG_SET_407_OG [0x197]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	09		
2012/05/20	23:00:06.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/20	23:32:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/20	23:32:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/20	23:32:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/20	23:35:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/21	00:10:00.0	AOCS_OrE-point_Start_7_OG [0x09d]	AOCU_NM	5	02-76	03	00	00	00 00
2012/05/21	00:18:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/21	00:18:02.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2012/05/21	00:18:22.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2012/05/21	00:18:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/05/21	00:18:26.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/21	00:21:04.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2012/05/21	00:21:06.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/21	00:46:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/21	00:47:00.0	AOCS_OrE-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	02	00	00	00 00
2012/05/21	00:49:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97	00
2012/05/21	00:49:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2012/05/21	00:49:48.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/05/21	00:49:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2012/05/21	00:49:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/21	00:49:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/21	00:49:56.0	XRT_QT_PROG_SET_415_OG [0x19f]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13		
2012/05/21	00:49:58.0	XRT_FL_PROG_SET_449_OG [0x1c1]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d		
2012/05/21	00:50:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/21	01:10:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/21	01:10:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/21	01:10:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/21	01:13:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/21	01:35:00.0	AOCS_OrE-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	00	00	00 00
2012/05/21	01:45:00.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/21	01:45:02.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa	00
2012/05/21	01:45:22.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2012/05/21	01:45:24.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/05/21	01:45:26.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/21	01:48:04.0	XRT_QT_PROG_SET_437_OG [0x1b5]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	06		
2012/05/21	01:48:06.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/21	02:29:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/21	02:30:00.0	AOCS_OrE-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	02	00	00	00 00

2012/05/21	07:37:04.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1 07-F0 e8
2012/05/21	07:40:14.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1 07-F0 e9
2012/05/21	07:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	08:00:00.0	AOCS_OrE-point_Start_5_OG [0x09b] AOCU_NM	5 02-76 00 56 7e 00 b4
2012/05/21	08:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION	4 07-F8 22 fe 97 00
2012/05/21	08:02:46.0	XRT_FLD_ENA_405_OG [0x195] MDP_XRT_FLD_ENA	1 07-F0 d8
2012/05/21	08:02:48.0	XRT_FLRCTRL_ENA_440_OG [0x1b8] MDP_XRT_FLRCTRL_ENA	1 07-F0 c8
2012/05/21	08:02:50.0	XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET	1 07-F0 d0
2012/05/21	08:02:52.0	XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS	1 07-F0 d5
2012/05/21	08:02:54.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	08:02:56.0	XRT_QT_PROG_SET_441_OG [0x1b9] MDP_XRT_QT_PROG_SET	2 07-F0 c4 0a
2012/05/21	08:02:58.0	XRT_FL_PROG_SET_449_OG [0x1c1] MDP_XRT_FL_PROG_SET	2 07-F0 c5 0d
2012/05/21	08:13:00.0	XRT_Custom_418_OG [0x1a2]	
2012/05/21	08:14:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2012/05/21	09:17:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	09:17:02.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	09:17:04.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1 07-F0 e8
2012/05/21	09:20:14.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1 07-F0 e9
2012/05/21	09:51:30.0	XRT_Custom_418_OG [0x1a2]	
2012/05/21	09:52:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2012/05/21	09:59:54.0	XRT_CTRL_MANU_439_OG [0x1b7] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	10:00:00.0	AOCS_OrE-point_Start_8_OG [0x09e] AOCU_NM	5 02-76 02 00 00 00 00
2012/05/21	10:02:26.0	XRT_FOCUS_POSITION_409_OG [0x199] XRT_FOCUS_POSITION	4 07-F8 22 fe 97 00
2012/05/21	10:02:46.0	XRT_FLD_ENA_411_OG [0x19b] MDP_XRT_FLD_ENA	1 07-F0 d8
2012/05/21	10:02:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d] MDP_XRT_FLRCTRL_ENA	1 07-F0 c8
2012/05/21	10:02:50.0	XRT_AEC_RESET_443_OG [0x1bb] MDP_XRT_AEC_RESET	1 07-F0 d0
2012/05/21	10:02:52.0	XRT_ARS_DIS_431_OG [0x1af] MDP_XRT_ARS_DIS	1 07-F0 d5
2012/05/21	10:02:54.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	10:02:56.0	XRT_QT_PROG_SET_415_OG [0x19f] MDP_XRT_QT_PROG_SET	2 07-F0 c4 13
2012/05/21	10:02:58.0	XRT_FL_PROG_SET_449_OG [0x1c1] MDP_XRT_FL_PROG_SET	2 07-F0 c5 0d
2012/05/21	10:03:00.0	XRT_CTRL_AUTO_406_OG [0x196] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2012/05/21	11:01:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	11:01:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	11:01:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1 07-F0 e8
2012/05/21	11:04:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1 07-F0 e9
2012/05/21	11:30:00.0	XRT_Custom_418_OG [0x1a2]	
2012/05/21	11:31:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2012/05/21	12:40:00.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	12:40:02.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	12:40:04.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1 07-F0 e8
2012/05/21	12:43:14.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1 07-F0 e9
2012/05/21	13:08:30.0	XRT_Custom_418_OG [0x1a2]	
2012/05/21	13:09:30.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0
2012/05/21	14:18:30.0	XRT_CTRL_MANU_408_OG [0x198] MDP_XRT_CTRL_MANU	1 07-F0 c1
2012/05/21	14:18:32.0	XRT_FLD_RESET_412_OG [0x19c] MDP_XRT_FLD_RESET	1 07-F0 da
2012/05/21	14:18:34.0	XRT_PREFLR_STRT_422_OG [0x1a6] MDP_XRT_PREFLR_STRT	1 07-F0 e8
2012/05/21	14:21:44.0	XRT_PREFLR_STOP_424_OG [0x1a8] MDP_XRT_PREFLR_STOP	1 07-F0 e9
2012/05/21	14:55:00.0	XRT_Custom_418_OG [0x1a2]	
2012/05/21	14:56:00.0	XRT_CTRL_AUTO_419_OG [0x1a3] MDP_XRT_CTRL_AUTO	1 07-F0 c0

May 19, 12 13:28

XRT_OGLIST_0639.chk

Page 8/10

2012/05/21	15:57:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	15:57:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	15:57:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2012/05/21	16:00:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2012/05/21	16:42:30.0	XRT_Custom_418_OG [0x1a2]						
2012/05/21	16:43:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/21	17:35:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	17:35:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	17:35:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2012/05/21	17:38:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2012/05/21	18:18:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	18:18:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22	ff	aa 00
2012/05/21	18:19:00.0	AOCS_Orе-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00	00	00 00 00
2012/05/21	18:19:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9		
2012/05/21	18:19:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9		
2012/05/21	18:19:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2012/05/21	18:21:58.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	07	
2012/05/21	18:22:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/21	18:28:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	18:29:00.0	AOCS_Orе-point_Start_8_OG [0x09e]	AOCU_NM	5	02-76	02	00	00 00 00
2012/05/21	18:31:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22	fe	97 00
2012/05/21	18:31:46.0	XRT_FLD_ENA_411_OG [0x19b]	MDP_XRT_FLD_ENA	1	07-F0	d8		
2012/05/21	18:31:48.0	XRT_FLRCTRL_ENA_413_OG [0x19d]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8		
2012/05/21	18:31:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0		
2012/05/21	18:31:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5		
2012/05/21	18:31:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	18:31:56.0	XRT_QT_PROG_SET_415_OG [0x19f]	MDP_XRT_QT_PROG_SET	2	07-F0	c4	13	
2012/05/21	18:31:58.0	XRT_FL_PROG_SET_449_OG [0x1c1]	MDP_XRT_FL_PROG_SET	2	07-F0	c5	0d	
2012/05/21	18:32:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/21	19:14:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	19:14:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	19:14:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2012/05/21	19:17:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2012/05/21	19:56:00.0	XRT_Custom_418_OG [0x1a2]						
2012/05/21	19:57:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/21	20:52:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	20:52:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	20:52:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2012/05/21	20:55:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2012/05/21	21:33:00.0	XRT_Custom_418_OG [0x1a2]						
2012/05/21	21:34:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/21	22:31:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/21	22:31:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da		
2012/05/21	22:31:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8		
2012/05/21	22:34:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9		
2012/05/21	23:08:00.0	XRT_Custom_418_OG [0x1a2]						
2012/05/21	23:09:00.5	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0		
2012/05/22	00:09:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1		
2012/05/22	00:09:32.0	XRT_FLD_RESET_412_OG [0x19c]						

May 19, 12 13:28

XRT_OGLIST_0639.chk

Page 9/10

2012/05/22	00:09:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da			
			MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/22	00:12:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/22	00:38:00.0	XRT_Custom_418_OG [0x1a2]							
2012/05/22	00:39:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	01:48:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	01:48:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/22	01:48:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/22	01:51:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/22	02:16:30.0	XRT_Custom_418_OG [0x1a2]							
2012/05/22	02:17:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	03:23:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	03:23:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/22	03:23:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/22	03:26:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/22	03:55:00.0	XRT_Custom_418_OG [0x1a2]							
2012/05/22	03:56:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	04:54:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	04:54:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/22	04:54:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/22	04:57:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/22	05:33:30.0	XRT_Custom_418_OG [0x1a2]							
2012/05/22	05:34:30.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	06:04:54.0	XRT_CTRL_MANU_400_OG [0x190]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	06:04:56.0	XRT_FOCUS_POSITION_401_OG [0x191]	XRT_FOCUS_POSITION	4	07-F8	22 ff aa 00			
2012/05/22	06:05:00.0	AOCS_Ore-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00			
2012/05/22	06:05:16.0	XRT_FLD_DIS_402_OG [0x192]	MDP_XRT_FLD_DIS	1	07-F0	d9			
2012/05/22	06:05:18.0	XRT_FLRCTRL_DIS_433_OG [0x1b1]	MDP_XRT_FLRCTRL_DIS	1	07-F0	c9			
2012/05/22	06:05:20.0	XRT_ARS_DIS_438_OG [0x1b6]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/22	06:07:58.0	XRT_QT_PROG_SET_423_OG [0x1a7]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 07			
2012/05/22	06:08:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	06:14:54.0	XRT_CTRL_MANU_439_OG [0x1b7]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	06:15:00.0	AOCS_Ore-point_Start_5_OG [0x09b]	AOCU_NM	5	02-76	00 56 7e 00 b4			
2012/05/22	06:17:26.0	XRT_FOCUS_POSITION_409_OG [0x199]	XRT_FOCUS_POSITION	4	07-F8	22 fe 97 00			
2012/05/22	06:17:46.0	XRT_FLD_ENA_405_OG [0x195]	MDP_XRT_FLD_ENA	1	07-F0	d8			
2012/05/22	06:17:48.0	XRT_FLRCTRL_ENA_440_OG [0x1b8]	MDP_XRT_FLRCTRL_ENA	1	07-F0	c8			
2012/05/22	06:17:50.0	XRT_AEC_RESET_443_OG [0x1bb]	MDP_XRT_AEC_RESET	1	07-F0	d0			
2012/05/22	06:17:52.0	XRT_ARS_DIS_431_OG [0x1af]	MDP_XRT_ARS_DIS	1	07-F0	d5			
2012/05/22	06:17:54.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/22	06:17:56.0	XRT_QT_PROG_SET_441_OG [0x1b9]	MDP_XRT_QT_PROG_SET	2	07-F0	c4 0a			
2012/05/22	06:17:58.0	XRT_FL_PROG_SET_449_OG [0x1c1]	MDP_XRT_FL_PROG_SET	2	07-F0	c5 0d			
2012/05/22	06:18:00.0	XRT_CTRL_AUTO_406_OG [0x196]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	06:35:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	06:35:02.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da			
2012/05/22	06:35:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8			
2012/05/22	06:38:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9			
2012/05/22	07:12:00.0	XRT_Custom_418_OG [0x1a2]							
2012/05/22	07:13:00.0	XRT_CTRL_AUTO_419_OG [0x1a3]	MDP_XRT_CTRL_AUTO	1	07-F0	c0			
2012/05/22	08:15:00.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1			
2012/05/22	08:15:02.0	XRT_FLD_RESET_412_OG [0x19c]							

May 19, 12 13:28

XRT_OGLIST_0639.chk

Page 10/10

2012/05/22	08:15:04.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_FLD_RESET	1	07-F0	da
			MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/22	08:18:14.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/22	09:55:30.0	XRT_CTRL_MANU_408_OG [0x198]	MDP_XRT_CTRL_MANU	1	07-F0	c1
2012/05/22	09:55:32.0	XRT_FLD_RESET_412_OG [0x19c]	MDP_XRT_FLD_RESET	1	07-F0	da
2012/05/22	09:55:34.0	XRT_PREFLR_STRT_422_OG [0x1a6]	MDP_XRT_PREFLR_STRT	1	07-F0	e8
2012/05/22	09:58:44.0	XRT_PREFLR_STOP_424_OG [0x1a8]	MDP_XRT_PREFLR_STOP	1	07-F0	e9
2012/05/22	10:29:00.0	AOCS_Or-point_Start_4_OG [0x09a]	AOCU_NM	5	02-76	00 00 00 00 00