

# XRT Timeline to be uploaded on 2007/11/26

Period: 2007/11/26 10:20:00 - 2007/11/28 09:56:00

\* \* \* \* \*

## Normal mode

\* \* \* \* \*

| XOB #146E: XBP thermal FOV384 AEC3 |  |                        |                                       |         |       |       |     |                                                                       |                      |  |       |            |          |        |
|------------------------------------|--|------------------------|---------------------------------------|---------|-------|-------|-----|-----------------------------------------------------------------------|----------------------|--|-------|------------|----------|--------|
| Term                               |  |                        | Pointing (x, y)                       |         |       |       |     | Comment                                                               |                      |  |       |            |          |        |
| 11/26 10:32:02 - 11/26 11:16:24    |  |                        | Track ( -71.0, -0.5) @ 11/26 10:30:00 |         |       |       |     | # OP start + 10min / XBP (test observation)                           |                      |  |       |            |          |        |
| 11/26 11:28:32 - 11/26 17:59:54    |  |                        | Track ( -62.1, -0.5) @ 11/26 11:26:30 |         |       |       |     | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |                      |  |       |            |          |        |
| PROG= 05 Inf.-time(s)              |  |                        |                                       |         |       |       |     |                                                                       |                      |  |       |            |          |        |
| Subr= 1                            |  | 1-time(s)              |                                       | 2.0sec  |       |       |     |                                                                       |                      |  |       |            |          |        |
| Seqn= 39                           |  | 1-time(s)              |                                       | 2.0sec  |       |       |     |                                                                       |                      |  |       |            |          |        |
| Al-poly/Open                       |  | Al-poly/thick-Al close |                                       | Safe    | Norm  | 8.00s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 3          | 0        | 2.0sec |
| Al-poly/Al-mesh                    |  | Al-poly/thick-Al close |                                       | Safe    | Norm  | 16.0s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 3          | 0        | 2.0sec |
| Al-poly/Ti-poly                    |  | Al-poly/thick-Al close |                                       | Safe    | Norm  | 16.0s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 3          | 0        | 2.0sec |
| Open/Ti-poly                       |  | Open/thick-Al close    |                                       | Safe    | Norm  | 16.0s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 3          | 0        | 2.0sec |
| Open/Ti-poly                       |  | Open/thick-Al close    |                                       | Safe    | Dark  | 16.0s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Subr= 2                            |  | 9-time(s)              |                                       | 40.0sec |       |       |     |                                                                       |                      |  |       |            |          |        |
| Seqn= 56                           |  | 1-time(s)              |                                       | 2.0sec  |       |       |     |                                                                       |                      |  |       |            |          |        |
| Al-poly/Open                       |  | Al-poly/thick-Al close |                                       | Safe    | Norm  | 8.00s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 3          | 0        | 2.0sec |
| Al-poly/Ti-poly                    |  | Al-poly/thick-Al close |                                       | Safe    | Norm  | 16.0s | Obs | 1x1                                                                   | 384x384 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Default Filter                     |  | Thicker Filter         | VLS                                   | mode    | image | Exp.  | CCD | Bin                                                                   | ROI: size (center)   |  | Comp. | AEC Buffer | Interval |        |

| XOB #1460: Synoptic - Al/mesh (512/8192) + G-band(64) + Ti/poly (1024/16384) + Dark cal (8192) + Al/poly(512/11571) + thin-Be(1024/32768) with axion cont |  |                   |  |  |  |                            |  |  |  |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|--|--|--|----------------------------|--|--|--|--|--|--|
| Term                                                                                                                                                      |  | Pointing (x, y)   |  |  |  | Comment                    |  |  |  |  |  |  |
| 11/26 11:18:30 - 11/26 11:26:24                                                                                                                           |  | Fixed ( 0.0, 0.0) |  |  |  | synoptic, shifted 46.5 min |  |  |  |  |  |  |
| 11/26 23:56:30 - 11/27 00:04:24                                                                                                                           |  | Fixed ( 0.0, 0.0) |  |  |  | synoptic, shifted -5.5 min |  |  |  |  |  |  |

|                |  |                  |       |      |        |       |     |     |                        |  |       |            |           |        |  |  |
|----------------|--|------------------|-------|------|--------|-------|-----|-----|------------------------|--|-------|------------|-----------|--------|--|--|
| PROG= 07       |  |                  |       |      |        |       |     |     |                        |  |       |            | 1-time(s) |        |  |  |
| Subr= 1        |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| Seqn= 80       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ Open/Al-mesh |  | Open/Ti-poly     | close | Safe | Norm   | 500ms | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 0.5sec |  |  |
| └ Open/Al-mesh |  | Open/Ti-poly     | close | Safe | Norm   | 8.00s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Seqn= 85       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ Open/Ti-poly |  | Open/thick-Al    | close | Safe | Norm   | 1.00s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 0.5sec |  |  |
| └ Open/Ti-poly |  | Open/thick-Al    | close | Safe | Norm   | 16.0s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Seqn= 23       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ Open/Ti-poly |  | Open/Ti-poly     | close | Safe | Dark   | 8.00s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Seqn=100       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ Open/G-band  |  | Open/G-band      | open  | Safe | Norm   | 63ms  | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Seqn= 54       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ Al-poly/Open |  | Al-poly/Open     | close | Safe | Norm   | 500ms | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| └ Al-poly/Open |  | Al-poly/thick-Al | close | Safe | Norm   | 11.3s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Seqn= 4        |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ thin-Be/Open |  | med-Be/Open      | close | Safe | Norm   | 1.00s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| └ thin-Be/Open |  | med-Be/Open      | close | Safe | Norm   | 32.0s | Obs | 1x1 | 2048x2048 (1024, 1024) |  | 52%   | 0          | 0         | 2.0sec |  |  |
| Subr= 2        |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| Seqn= 50       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ thin-Be/Open |  | med-Be/Open      | close | Safe | Norm   | 22.6s | Obs | 8x8 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0         | 2.0sec |  |  |
| └ med-Be/Open  |  | med-Al/Open      | close | Safe | Norm   | 32.0s | Obs | 8x8 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0         | 2.0sec |  |  |
| Seqn= 40       |  | 1-time(s)        |       |      | 2.0sec |       |     |     |                        |  |       |            |           |        |  |  |
| └ med-Be/Open  |  | med-Al/Open      | close | Safe | Dark   | 32.0s | Obs | 8x8 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0         | 2.0sec |  |  |
| Default Filter |  | Thicker Filter   | VLS   | mode | image  | Exp.  | CCD | Bin | ROI: size (center)     |  | Comp. | AEC Buffer | Interval  |        |  |  |

| XOB #143B: Synoptic - Al/mesh (512/8192) + G-band(64) + Ti/poly (1024/16384) + Dark cal (8192) + Al/poly(512/11571) + C/poly (1024/16384ms) |  |                                       |  |  |  |                                                                       |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------|--|--|--|-----------------------------------------------------------------------|--|--|--|--|--|--|
| Term                                                                                                                                        |  | Pointing (x, y)                       |  |  |  | Comment                                                               |  |  |  |  |  |  |
| 11/26 18:02:00 - 11/26 18:09:54                                                                                                             |  | Track ( -62.1, -0.5) @ 11/26 11:26:30 |  |  |  | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |  |  |  |  |  |  |
| 11/27 06:11:30 - 11/27 06:19:24                                                                                                             |  | Fixed ( 0.0, 0.0)                     |  |  |  | synoptic, shifted 9.5 min                                             |  |  |  |  |  |  |

|                |  |                        |  |                |      |       |       |      |                        |     |                    |   |           |            |          |  |
|----------------|--|------------------------|--|----------------|------|-------|-------|------|------------------------|-----|--------------------|---|-----------|------------|----------|--|
| PROG= 17       |  |                        |  |                |      |       |       |      |                        |     |                    |   | 1-time(s) |            |          |  |
| Subr= 1        |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| Seqn= 80       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ Open/Al-mesh |  | Open/Ti-poly close     |  | Safe           | Norm | 500ms | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 0.5sec     |          |  |
| └ Open/Al-mesh |  | Open/Ti-poly close     |  | Safe           | Norm | 8.00s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Seqn= 85       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ Open/Ti-poly |  | Open/thick-Al close    |  | Safe           | Norm | 1.00s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 0.5sec     |          |  |
| └ Open/Ti-poly |  | Open/thick-Al close    |  | Safe           | Norm | 16.0s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Seqn= 23       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ Open/Ti-poly |  | Open/Ti-poly close     |  | Safe           | Dark | 8.00s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Seqn=100       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ Open/G-band  |  | Open/G-band open       |  | Safe           | Norm | 63ms  | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Seqn= 54       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ Al-poly/Open |  | Al-poly/Open close     |  | Safe           | Norm | 500ms | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| └ Al-poly/Open |  | Al-poly/thick-Al close |  | Safe           | Norm | 11.3s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Seqn= 58       |  | 1-time(s)              |  | 2.0sec         |      |       |       |      |                        |     |                    |   |           |            |          |  |
| └ C-poly/Open  |  | C-poly/thick-Al close  |  | Safe           | Norm | 1.00s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| └ C-poly/Open  |  | thin-Be/Open close     |  | Safe           | Norm | 16.0s | Obs   | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0         | 2.0sec     |          |  |
| Default Filter |  |                        |  | Thicker Filter | VLS  | mode  | image | Exo. | CCD                    | Bin | ROI: size (center) |   | Comp.     | AEC Buffer | Interval |  |

| XOB #146F: CCD calibration: Dark and Diffuser |  |                  |  |                                       |      |       |       |                                                                       |     |                        |  |       |            |          |        |
|-----------------------------------------------|--|------------------|--|---------------------------------------|------|-------|-------|-----------------------------------------------------------------------|-----|------------------------|--|-------|------------|----------|--------|
| Term                                          |  |                  |  | Pointing (x, y)                       |      |       |       | Comment                                                               |     |                        |  |       |            |          |        |
| 11/26 18:16:02 - 11/26 21:19:54               |  |                  |  | Track ( -62.1, -0.5) @ 11/26 11:26:30 |      |       |       | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |     |                        |  |       |            |          |        |
| PROG= 15 Inf.-time(s)                         |  |                  |  |                                       |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Subr= 1                                       |  | 1-time(s)        |  | 2.0sec                                |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Seqn= 96                                      |  | 1-time(s)        |  | 2.0sec                                |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Open/G-band                                   |  | Open/G-band      |  | open                                  | Safe | Dark  | 63ms  | Cal                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Open/G-band                                   |  | Open/G-band      |  | open                                  | Safe | Norm  | 63ms  | Cal                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Open/G-band                                   |  | Open/G-band      |  | close                                 | Safe | Dark  | 8.00s | Cal                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Open/G-band                                   |  | Open/G-band      |  | close                                 | Safe | Norm  | 8.00s | Cal                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Seqn= 45                                      |  | 1-time(s)        |  | 2.0sec                                |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 1.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 32.0s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 1.00s | Obs                                                                   | 2x2 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 32.0s | Obs                                                                   | 2x2 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 1.00s | Obs                                                                   | 4x4 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 32.0s | Obs                                                                   | 4x4 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 1.00s | Obs                                                                   | 8x8 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 32.0s | Obs                                                                   | 8x8 | 2048x2048 (1024, 1024) |  | DPCM  | 0          | 0        | 2.0sec |
| Subr= 2                                       |  | 20-time(s)       |  | 300.0sec                              |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Seqn= 13                                      |  | 1-time(s)        |  | 2.0sec                                |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 1.00s | Obs                                                                   | 1x1 | 512x512 (1024, 1024)   |  | DPCM  | 0          | 0        | 2.0sec |
| Al-poly/Open                                  |  | Al-poly/Open     |  | close                                 | Safe | Dark  | 32.0s | Obs                                                                   | 1x1 | 512x512 (1024, 1024)   |  | DPCM  | 0          | 0        | 2.0sec |
| Seqn= 32                                      |  | 1-time(s)        |  | 2.0sec                                |      |       |       |                                                                       |     |                        |  |       |            |          |        |
| Al-poly/Open                                  |  | Al-poly/thick-Al |  | close                                 | Safe | Norm  | 8.00s | Obs                                                                   | 1x1 | 512x512 (1024, 1024)   |  | DPCM  | 3          | 0        | 2.0sec |
| Default Filter                                |  | Thicker Filter   |  | VLS                                   | mode | image | Exp.  | CCD                                                                   | Bin | ROI: size (center)     |  | Comp. | AEC Buffer | Interval |        |

| XOB #1387: Synoptic - multi-filter FW1 / FW2 |  |                  |                                       |         |      |      |       |                                                                       |     |                        |                    |     |            |                     |
|----------------------------------------------|--|------------------|---------------------------------------|---------|------|------|-------|-----------------------------------------------------------------------|-----|------------------------|--------------------|-----|------------|---------------------|
| Term                                         |  |                  | Pointing (x, y)                       |         |      |      |       | Comment                                                               |     |                        |                    |     |            |                     |
| 11/26 21:22:00 - 11/26 21:59:54              |  |                  | Track ( -62.1, -0.5) @ 11/26 11:26:30 |         |      |      |       | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |     |                        |                    |     |            |                     |
| PROG= 16 1-time(s)                           |  |                  |                                       |         |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Subr= 1                                      |  | 1-time(s)        |                                       | 2.0sec  |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Seqn= 88                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Open/thick-Be                                |  | Open/thick-Be    |                                       | close   | Safe | Norm | 64.0s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 62                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Open/thick-Al                                |  | Open/thick-Al    |                                       | close   | Safe | Norm | 16.0s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Open/thick-Al                                |  | Open/thick-Al    |                                       | close   | Safe | Norm | 45.2s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 95                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Open/Ti-poly                                 |  | Open/thick-Al    |                                       | close   | Safe | Norm | 500ms | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 0.5sec |                     |
| Open/Ti-poly                                 |  | Open/thick-Al    |                                       | close   | Safe | Norm | 8.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 8                                      |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Open/Al-mesh                                 |  | Open/Ti-poly     |                                       | close   | Safe | Norm | 177ms | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Open/Al-mesh                                 |  | Open/Ti-poly     |                                       | close   | Safe | Norm | 4.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Subr= 2                                      |  | 1-time(s)        |                                       | 2.0sec  |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Seqn= 27                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Al-poly/Ti-poly                              |  | Al-poly/thick-Al |                                       | close   | Safe | Norm | 1.41s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 0.5sec |                     |
| Al-poly/Ti-poly                              |  | Al-poly/thick-Al |                                       | close   | Safe | Norm | 16.0s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 29                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| C-poly/Ti-poly                               |  | C-poly/Ti-poly   |                                       | close   | Safe | Norm | 1.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| C-poly/Ti-poly                               |  | C-poly/Ti-poly   |                                       | close   | Safe | Norm | 16.0s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 86                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| C-poly/Open                                  |  | C-poly/thick-Al  |                                       | close   | Safe | Norm | 500ms | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| C-poly/Open                                  |  | thin-Be/Open     |                                       | close   | Safe | Norm | 8.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 89                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| C-poly/Open                                  |  | C-poly/Open      |                                       | close   | Safe | Dark | 8.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 48                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| thin-Be/Open                                 |  | thin-Be/thick-Al |                                       | close   | Safe | Norm | 2.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| thin-Be/Open                                 |  | med-Be/Open      |                                       | close   | Safe | Norm | 22.6s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 38                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| med-Be/Open                                  |  | med-Be/Ti-poly   |                                       | close   | Safe | Norm | 2.00s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| med-Be/Open                                  |  | med-Be/Ti-poly   |                                       | close   | Safe | Norm | 45.2s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 64                                     |  | 1-time(s)        |                                       | 30.0sec |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| med-Al/Open                                  |  | med-Al/Open      |                                       | close   | Safe | Norm | 5.66s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| med-Al/Open                                  |  | med-Al/Open      |                                       | close   | Safe | Norm | 45.2s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Seqn= 16                                     |  | 1-time(s)        |                                       | 2.0sec  |      |      |       |                                                                       |     |                        |                    |     |            |                     |
| Al-poly/Open                                 |  | Al-poly/Open     |                                       | close   | Safe | Norm | 500ms | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Al-poly/Open                                 |  | Al-poly/Open     |                                       | close   | Safe | Norm | 5.66s | Obs                                                                   | 1x1 | 2048x2048 (1024, 1024) |                    | 52% | 0 0 2.0sec |                     |
| Default Filter                               |  |                  | Thicker Filter                        |         | VLS  | mode | image | Exp.                                                                  | CCD | Bin                    | ROI: size (center) |     | Comp.      | AEC Buffer Interval |

| XOB #146C: QS thermal -FOV512 -AEC3                                                                  |  |  |                 |  |              |  |                   |  |  |  |  |  |  |  |
|------------------------------------------------------------------------------------------------------|--|--|-----------------|--|--------------|--|-------------------|--|--|--|--|--|--|--|
| Term                                                                                                 |  |  | Pointing (x, y) |  |              |  | Comment           |  |  |  |  |  |  |  |
| 11/26 22:02:00 - 11/26 23:54:24                                                                      |  |  | Fixed (         |  | -945.0, 0.0) |  | HOP54 (East limb) |  |  |  |  |  |  |  |
| 11/27 00:06:30 - 11/27 06:09:24                                                                      |  |  | Fixed (         |  | -945.0, 0.0) |  | HOP54 (continue)  |  |  |  |  |  |  |  |
| PROG= 08 Inf.-time(s)                                                                                |  |  |                 |  |              |  |                   |  |  |  |  |  |  |  |
| └ Subr= 1 1-time(s) 60.0sec                                                                          |  |  |                 |  |              |  |                   |  |  |  |  |  |  |  |
| └└ Seqn= 66 1-time(s) 2.0sec                                                                         |  |  |                 |  |              |  |                   |  |  |  |  |  |  |  |
| └└└ Al-poly/Open Al-poly/thick-Al close Safe Norm 8.00s Obs 1x1 512x512 (1024, 1024) DPCM 3 0 2.0sec |  |  |                 |  |              |  |                   |  |  |  |  |  |  |  |

|                                        |                                         |                  |       |      |       |       |     |     |                      |       |            |          |        |
|----------------------------------------|-----------------------------------------|------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
|                                        | Al-poly/Al-mesh                         | Al-poly/thick-Al | close | Safe | Norm  | 16.0s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 3          | 0        | 2.0sec |
|                                        | Al-poly/Ti-poly                         | Al-poly/thick-Al | close | Safe | Norm  | 16.0s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 3          | 0        | 2.0sec |
|                                        | Open/Ti-poly                            | Open/thick-Al    | close | Safe | Norm  | 16.0s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 3          | 0        | 2.0sec |
|                                        | Open/Ti-poly                            | Open/thick-Al    | close | Safe | Dark  | 16.0s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 0          | 0        | 2.0sec |
| <b>Subr= 2    15-time(s)    2.0sec</b> |                                         |                  |       |      |       |       |     |     |                      |       |            |          |        |
|                                        | <b>Seqn= 32    1-time(s)    60.0sec</b> |                  |       |      |       |       |     |     |                      |       |            |          |        |
|                                        | Al-poly/Open                            | Al-poly/thick-Al | close | Safe | Norm  | 8.00s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 3          | 0        | 2.0sec |
|                                        | Default Filter                          | Thicker Filter   | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

| XOB #146D: QS thermal -FOV256x512 -AEC3 |  |                 |                  |                                        |       |      |       |                          |                    |                      |            |          |   |        |
|-----------------------------------------|--|-----------------|------------------|----------------------------------------|-------|------|-------|--------------------------|--------------------|----------------------|------------|----------|---|--------|
| Term                                    |  |                 |                  | Pointing (x, y)                        |       |      |       | Comment                  |                    |                      |            |          |   |        |
| 11/27 06:21:32 - 11/27 10:33:54         |  |                 |                  | Track ( 825.2, -88.3) @ 11/27 06:19:30 |       |      |       | Interchange reconnection |                    |                      |            |          |   |        |
| PROG= 01    Inf.-time(s)                |  |                 |                  |                                        |       |      |       |                          |                    |                      |            |          |   |        |
| Subr= 1                                 |  | 1-time(s)       |                  | 60.0sec                                |       |      |       |                          |                    |                      |            |          |   |        |
| Seqn= 41                                |  | 1-time(s)       |                  | 2.0sec                                 |       |      |       |                          |                    |                      |            |          |   |        |
| └─                                      |  | Al-poly/Open    | Al-poly/thick-Al | close                                  | Safe  | Norm | 8.00s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 3        | 0 | 2.0sec |
| └─                                      |  | Al-poly/Al-mesh | Al-poly/thick-Al | close                                  | Safe  | Norm | 16.0s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 3        | 0 | 2.0sec |
| └─                                      |  | Al-poly/Ti-poly | Al-poly/thick-Al | close                                  | Safe  | Norm | 16.0s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 3        | 0 | 2.0sec |
| └─                                      |  | Open/Ti-poly    | Open/thick-Al    | close                                  | Safe  | Norm | 16.0s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 3        | 0 | 2.0sec |
| └─                                      |  | Open/Ti-poly    | Open/thick-Al    | close                                  | Safe  | Dark | 16.0s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 0        | 0 | 2.0sec |
| Subr= 2                                 |  | 15-time(s)      |                  | 2.0sec                                 |       |      |       |                          |                    |                      |            |          |   |        |
| Seqn= 92                                |  | 1-time(s)       |                  | 15.0sec                                |       |      |       |                          |                    |                      |            |          |   |        |
| └─                                      |  | Al-poly/Open    | Al-poly/thick-Al | close                                  | Safe  | Norm | 8.00s | Obs                      | 1x1                | 256x512 (1024, 1024) | DPCM       | 3        | 0 | 2.0sec |
| Default Filter                          |  | Thicker Filter  | VLS              | mode                                   | image | Exp. | CCD   | Bin                      | ROI: size (center) | Comp.                | AEC Buffer | Interval |   |        |

| XOB #137B: Synoptic - Al/mesh short (181ms) /long (4096ms) pair |  |              |  |                   |      |      |       |             |      |                        |     |                    |   |       |            |          |
|-----------------------------------------------------------------|--|--------------|--|-------------------|------|------|-------|-------------|------|------------------------|-----|--------------------|---|-------|------------|----------|
| Term                                                            |  |              |  | Pointing (x, y)   |      |      |       | Comment     |      |                        |     |                    |   |       |            |          |
| 11/27 10:36:00 - 11/28 09:56:00                                 |  |              |  | Fixed ( 0.0, 0.0) |      |      |       | Backup plan |      |                        |     |                    |   |       |            |          |
| PROG= 02 Inf.-time(s)                                           |  |              |  |                   |      |      |       |             |      |                        |     |                    |   |       |            |          |
| Subr= 1                                                         |  | 1-time(s)    |  | 2.0sec            |      |      |       |             |      |                        |     |                    |   |       |            |          |
| Seqn= 8                                                         |  | 3-time(s)    |  | 1200.0sec         |      |      |       |             |      |                        |     |                    |   |       |            |          |
| Open/Al-mesh                                                    |  | Open/Ti-poly |  | close             | Safe | Norm | 177ms | Obs         | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0     | 2.0sec     |          |
| Open/Al-mesh                                                    |  | Open/Ti-poly |  | close             | Safe | Norm | 4.00s | Obs         | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0     | 2.0sec     |          |
| Seqn= 10                                                        |  | 1-time(s)    |  | 2.0sec            |      |      |       |             |      |                        |     |                    |   |       |            |          |
| Open/Al-mesh                                                    |  | Open/G-band  |  | close             | Safe | Dark | 1ms   | Obs         | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0     | 2.0sec     |          |
| Open/Al-mesh                                                    |  | Open/G-band  |  | close             | Safe | Dark | 64.0s | Obs         | 1x1  | 2048x2048 (1024, 1024) |     | 52%                | 0 | 0     | 2.0sec     |          |
| Default Filter                                                  |  |              |  | Thicker Filter    |      | VLS  | mode  | image       | Exp. | CCD                    | Bin | ROI: size (center) |   | Comp. | AEC Buffer | Interval |

\* \* \* \* \*

## Flare mode

\* \* \* \* \*

NOT USED

\* \* \* \* \*

## Active Region Search

\* \* \* \* \*

| <b>ARS Patrol</b>               |                |                |       |                                        |       |       |     |                                                                       |                    |       |            |          |  |
|---------------------------------|----------------|----------------|-------|----------------------------------------|-------|-------|-----|-----------------------------------------------------------------------|--------------------|-------|------------|----------|--|
| Term                            |                |                |       | Pointing (x, y)                        |       |       |     | Comment                                                               |                    |       |            |          |  |
| 11/26 11:28:28 - 11/26 18:01:58 |                |                |       | Track ( -62.1, -0.5) @ 11/26 11:26:30  |       |       |     | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |                    |       |            |          |  |
| 11/26 18:15:56 - 11/26 23:56:28 |                |                |       | Track ( -62.1, -0.5) @ 11/26 11:26:30  |       |       |     | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |                    |       |            |          |  |
| 11/27 00:06:24 - 11/27 06:11:28 |                |                |       | Fixed ( -945.0, 0.0)                   |       |       |     | HOP54 (continue)                                                      |                    |       |            |          |  |
| 11/27 06:21:26 - 11/28 09:56:00 |                |                |       | Track ( 825.2, -88.3) @ 11/27 06:19:30 |       |       |     | Interchange reconnection                                              |                    |       |            |          |  |
|                                 | Open/Ti-poly   | Open/Ti-poly   | close | Safe                                   | Norm  | 2.83s | Obs | 2x2                                                                   |                    | 52%   |            | 20.00min |  |
|                                 | Default Filter | Thicker Filter | VLS   | mode                                   | image | Exp.  | CCD | Bin                                                                   | ROI: size (center) | Comp. | AEC Buffer | Interval |  |

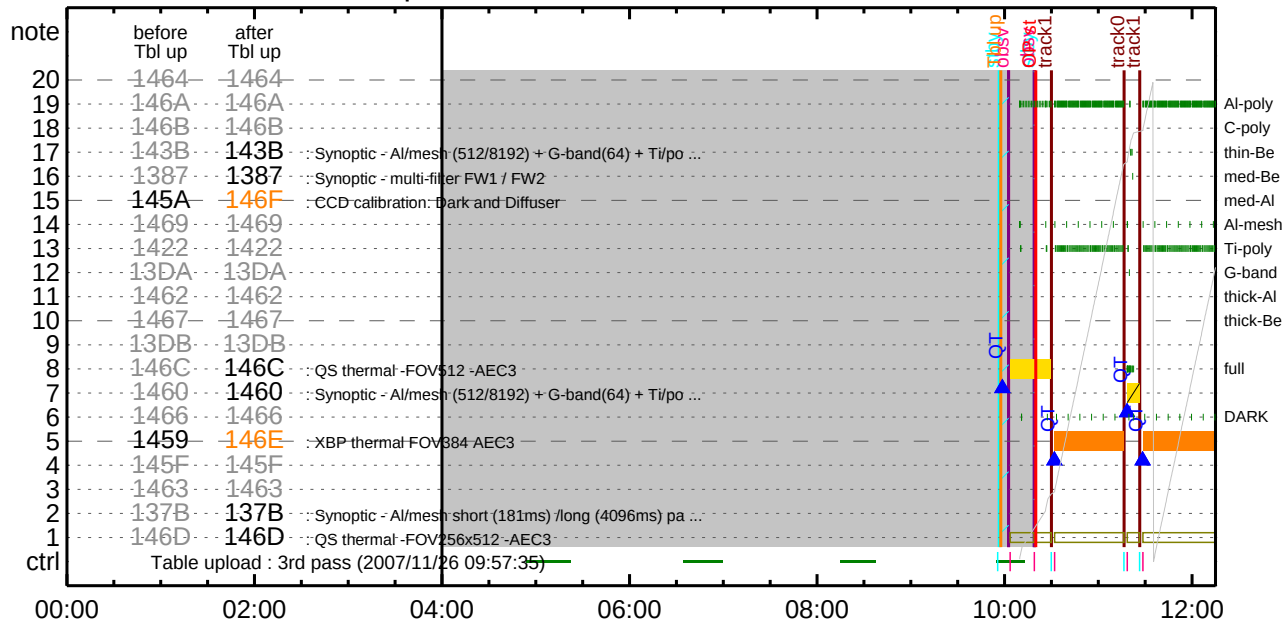
\* \* \* \* \*

## Flare Detection

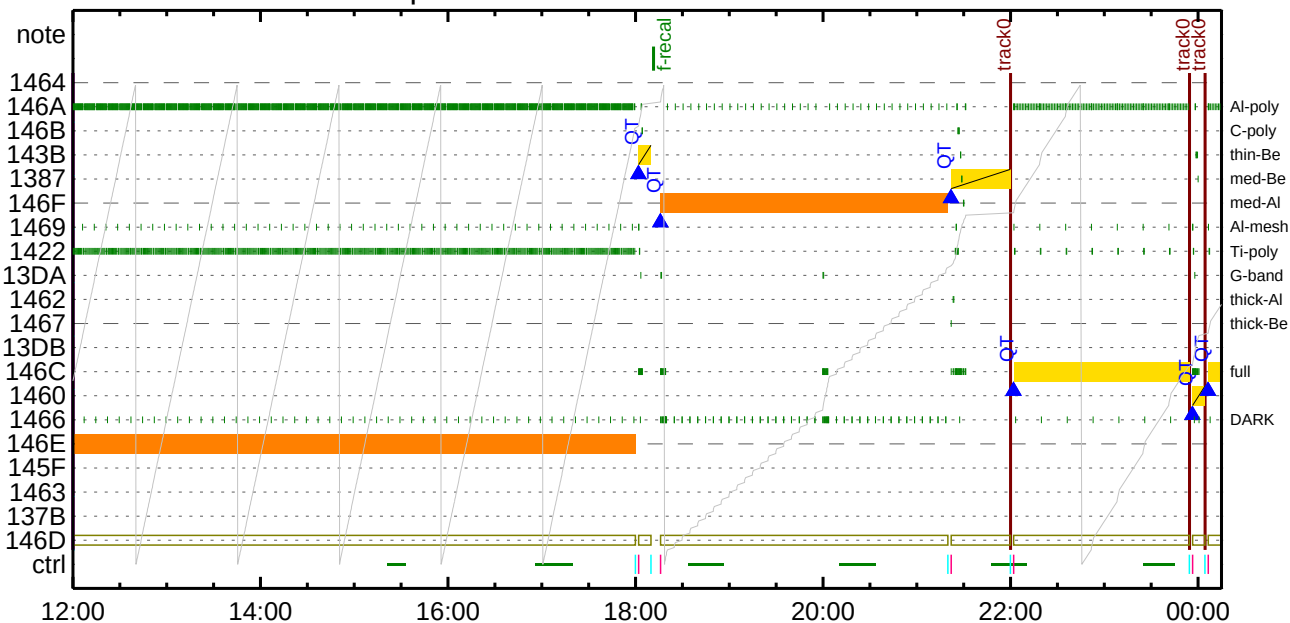
\* \* \* \* \*

| <b>FLD Patrol</b>               |                |                |       |                                        |       |       |     |                                                                       |                    |       |            |          |  |
|---------------------------------|----------------|----------------|-------|----------------------------------------|-------|-------|-----|-----------------------------------------------------------------------|--------------------|-------|------------|----------|--|
| Term                            |                |                |       | Pointing (x, y)                        |       |       |     | Comment                                                               |                    |       |            |          |  |
| 11/26 11:28:28 - 11/26 18:01:54 |                |                |       | Track ( -62.1, -0.5) @ 11/26 11:26:30  |       |       |     | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |                    |       |            |          |  |
| 11/26 18:15:58 - 11/26 21:21:56 |                |                |       | Track ( -62.1, -0.5) @ 11/26 11:26:30  |       |       |     | XBP (test observation) & Synoptic at 18:00 & EIS cal. (16:00 - 20:00) |                    |       |            |          |  |
| 11/26 22:01:56 - 11/26 23:56:24 |                |                |       | Fixed ( -945.0, 0.0)                   |       |       |     | HOP54 (East limb)                                                     |                    |       |            |          |  |
| 11/27 00:06:26 - 11/27 06:11:24 |                |                |       | Fixed ( -945.0, 0.0)                   |       |       |     | HOP54 (continue)                                                      |                    |       |            |          |  |
| 11/27 06:21:28 - 11/27 10:35:56 |                |                |       | Track ( 825.2, -88.3) @ 11/27 06:19:30 |       |       |     | Interchange reconnection                                              |                    |       |            |          |  |
|                                 | med-Be/Open    | med-Al/Open    | close | Safe                                   | Norm  | 32.0s | Obs | 8x8                                                                   |                    | DPCM  |            | 120sec   |  |
|                                 | Default Filter | Thicker Filter | VLS   | mode                                   | image | Exp.  | CCD | Bin                                                                   | ROI: size (center) | Comp. | AEC Buffer | Interval |  |

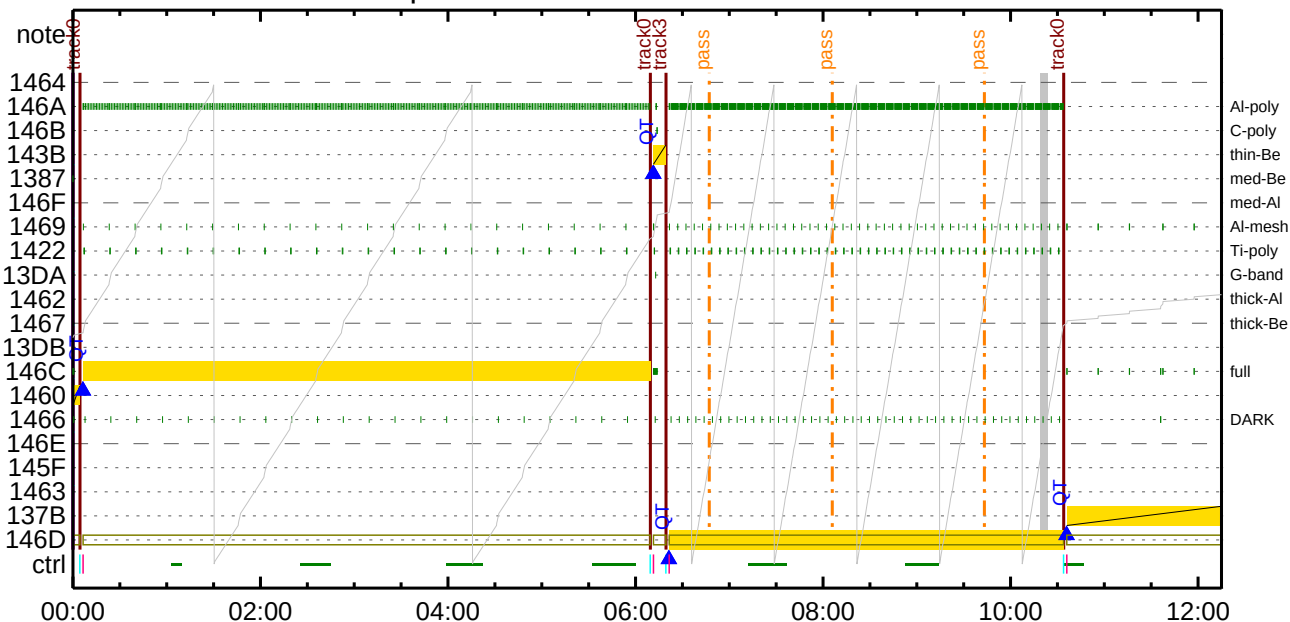
exported #20071126000 2007/11/26



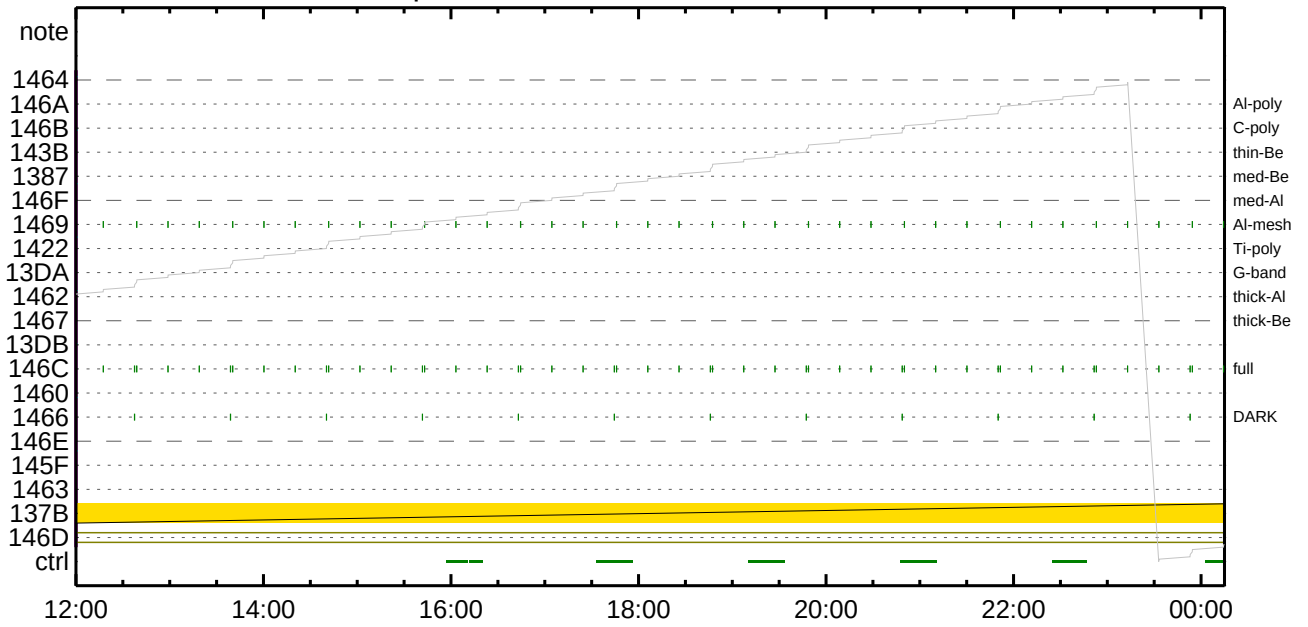
exported #20071126000 2007/11/26



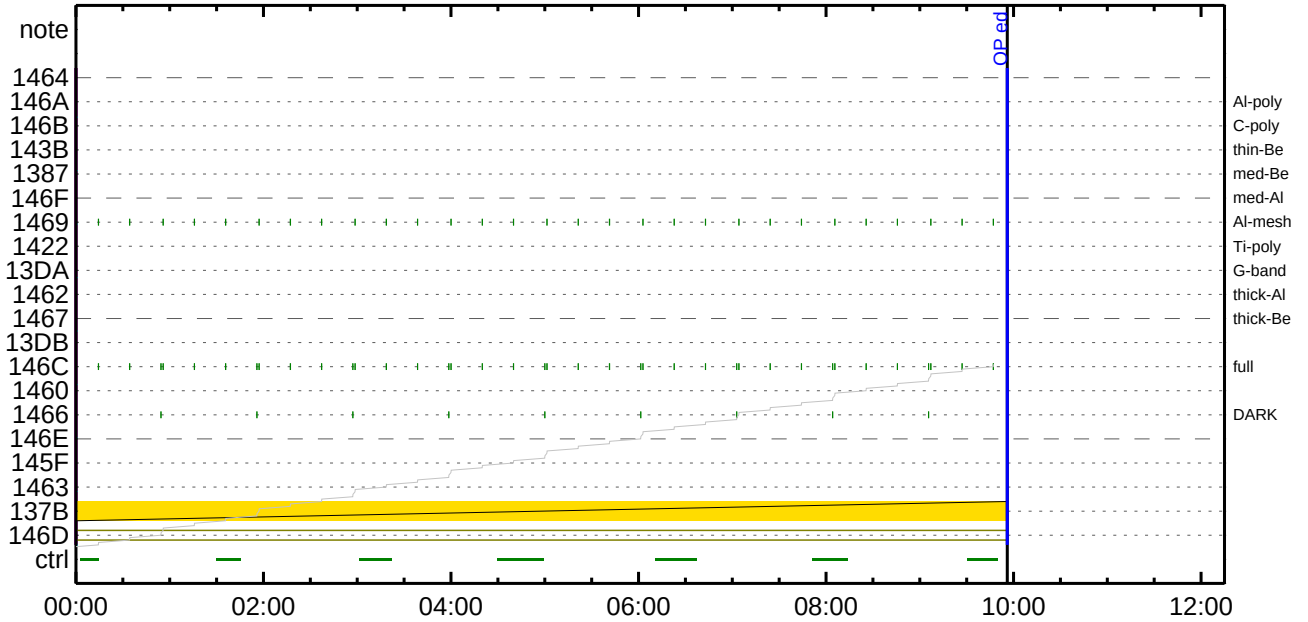
exported #20071126000 2007/11/27



exported #20071126000 2007/11/27



exported #20071126000 2007/11/28



exported #20071126000 2007/11/28

