

# XRT Timeline to be uploaded on 2007/12/21

Period: 2007/12/21 10:38:00 - 2007/12/24 10:51:00

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Normal mode

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| XOB #148D: QS thermal -FOV512 -AEC1 and AEC3 1min cadence (med-pair)                                   |  |   |  |     |  |      |  |       |  |              |  |  |
|--|--|---|--|-----|--|------|--|-------|--|--------------|--|--|
| Term   |  | Pointing (x, y)                                     |  |     |  |      | Comment  |       |  |              |  |  |
| 12/21 10:50:02 - 12/21 11:27:54  |  | Track ( -177.7, -116.4) <sup>Ⓢ 12/21 10:48:00</sup> |  |     |  |      | # OP start + 10min, HOP 53 XBP study all period. |       |  |              |  |  |
| 12/21 11:40:02 - 12/21 18:09:54  |  | Track ( -170.0, -116.3) <sup>Ⓢ 12/21 11:38:00</sup> |  |     |  |      | #  |       |  |              |  |  |
| <b>PROG= 09 Inf.-time(s)</b>   |  |   |  |     |  |      |  |       |  |              |  |  |
| └─ 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       |  |   |  |     |  |      |  |       |  |              |  |  |
| └─ Subr= 2 15-time(s) 60.0sec  |  |   |  |     |  |      |  |       |  |              |  |  |
| └─ Seqn= 6 1-time(s) 2.0sec  |  |   |  |     |  |      |  |       |  |              |  |  |
| └─ Al-poly/Open Al-poly/thick-Al close Safe Norm 4.00s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec    |  |   |  |     |  |      |  |       |  |              |  |  |
| └─ Al-poly/Ti-poly Al-poly/thick-Al close Safe Norm 4.00s Obs 1x1 512x512 (1024, 1024) DPCM 1 0 2.0sec |  |   |  |     |  |      |  |       |  |              |  |  |
| Default Filter   |  | Thicker Filter                                      |  | VLS |  | mode |  | image |  | Exp. CCD Bin |  | ROI: size (center) Comp. AEC Buffer Interval |

## XOB #147A: Synoptic - Al/mesh (256/4096) + G-band(64) + Ti/poly (512/8192) + Dark cal (8192) + Al/poly(256/5796) + thin-Be(723/23142)

| Term  |  | Pointing (x, y)   |  |     |  |      | Comment                    |       |  |              |  |  |
|---|--|-------------------|--|-----|--|------|----------------------------|-------|--|--------------|--|--|
| 12/21 11:30:00 - 12/21 11:37:54   |  | Fixed ( 0.0, 0.0) |  |     |  |      | synoptic, shifted 40.0 min |       |  |              |  |  |
| 12/21 23:58:30 - 12/22 00:06:24   |  | Fixed ( 0.0, 0.0) |  |     |  |      | synoptic, shifted -3.5 min |       |  |              |  |  |
| <b>PROG= 05 1-time(s)</b>   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Subr= 1 1-time(s) 2.0sec   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Seqn= 78 1-time(s) 2.0sec  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms 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= 95 1-time(s) 2.0sec  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ 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= 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= 31 1-time(s) 2.0sec  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Al-poly/Open Al-poly/Open close Safe Norm 250ms 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  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Seqn= 26 1-time(s) 2.0sec  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ thin-Be/Open med-Be/Open close Safe Norm 707ms 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   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| Default Filter  |  | Thicker Filter    |  | VLS |  | mode |                            | image |  | Exp. CCD Bin |  | ROI: size (center) Comp. AEC Buffer Interval |

## XOB #147B: Synoptic - Al/mesh (256/4096) + G-band(64) + Ti/poly (512/8192) + Dark cal (8192) + Al/poly(256/5796) + C/poly(512/8192)

| Term   |  | Pointing (x, y)   |  |     |  |      | Comment                    |       |  |              |  |  |
|--|--|-------------------|--|-----|--|------|----------------------------|-------|--|--------------|--|--|
| 12/21 18:12:00 - 12/21 18:19:54  |  | Fixed ( 0.0, 0.0) |  |     |  |      | synoptic, shifted 10.0 min |       |  |              |  |  |
| 12/22 05:59:00 - 12/22 06:06:54  |  | Fixed ( 0.0, 0.0) |  |     |  |      | synoptic, shifted -3.0 min |       |  |              |  |  |
| <b>PROG= 01 1-time(s)</b>  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Subr= 1 1-time(s) 2.0sec  |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Seqn= 78 1-time(s) 2.0sec   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Open/Al-mesh Open/Ti-poly close Safe Norm 250ms 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= 95 1-time(s) 2.0sec   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ 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= 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= 31 1-time(s) 2.0sec   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Al-poly/Open Al-poly/Open close Safe Norm 250ms 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   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ Seqn= 86 1-time(s) 2.0sec   |  |                   |  |     |  |      |                            |       |  |              |  |  |
| └─ 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    |  |                   |  |     |  |      |                            |       |  |              |  |  |
| Default Filter   |  | Thicker Filter    |  | VLS |  | mode |                            | image |  | Exp. CCD Bin |  | ROI: size (center) Comp. AEC Buffer Interval |

## XOB #1475: QS thermal -FOV512 -AEC1 and AEC3 1min cadence

| Term                            |  | Pointing (x, y)                                     |  |  |  |  | Comment |  |  |  |  |  |
|---------------------------------|--|---|--|--|--|--|---------|--|--|--|--|--|
| 12/21 18:22:02 - 12/21 23:56:24 |  | Track ( -107.9, -115.5) <sup>Ⓢ 12/21 18:20:00</sup> |  |  |  |  | #       |  |  |  |  |  |
| 12/22 00:08:32 - 12/22 05:56:54 |  | Track ( -53.9, -114.9) <sup>Ⓢ 12/22 00:06:30</sup>  |  |  |  |  | #       |  |  |  |  |  |
| 12/22 06:09:02 - 12/22 10:19:54 |  | Track ( 2.4, -114.3) <sup>Ⓢ 12/22 06:07:00</sup>    |  |  |  |  | #       |  |  |  |  |  |

|                                      |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
|--------------------------------------|-----------------|------------------|-------|------|-------|-------|-----|-----|----------------------|-------|------------|----------|--------|
| <b>PROG= 11 Inf.-time(s)</b>         |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
| └─ <b>Subr= 1 1-time(s) 60.0sec</b>  |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
| └─ <b>Seqn= 66 1-time(s) 2.0sec</b>  |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
|                                      | 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) 60.0sec</b> |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
| └─ <b>Seqn= 30 1-time(s) 2.0sec</b>  |                 |                  |       |      |       |       |     |     |                      |       |            |          |        |
|                                      | Al-poly/Open    | Al-poly/thick-Al | close | Safe | Norm  | 8.00s | Obs | 1x1 | 512x512 (1024, 1024) | DPCM  | 1          | 0        | 2.0sec |
|                                      | Default Filter  | Thicker Filter   | VLS   | mode | image | Exp.  | CCD | Bin | ROI: size (center)   | Comp. | AEC Buffer | Interval |        |

|  |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|--|----------------|----------------|-------|------|-------|-------|-----|-----|------------------------|-------|------------|----------|--------|
| <b>XOB #137B: Synoptic - Al/mesh short (181ms) /long (4096ms) pair</b> |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| Term Pointing (x, y) Comment   |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| 12/22 10:22:00 - 12/24 10:51:00 Fixed ( 0.0, 0.0) Backup plan          |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| <b>PROG= 02 Inf.-time(s)</b>   |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| └─ <b>Subr= 1 1-time(s) 2.0sec</b>                                     |                |                |       |      |       |       |     |     |                        |       |            |          |        |
| └─ <b>Seqn= 8 3-time(s) 1200.0sec</b>                                  |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|  | 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 |
| └─ <b>Seqn= 10 1-time(s) 2.0sec</b>                                    |                |                |       |      |       |       |     |     |                        |       |            |          |        |
|  | 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 |        |

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**Flare mode** \* \* \* \* \*

NOT USED

\* \* \* \* \*

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

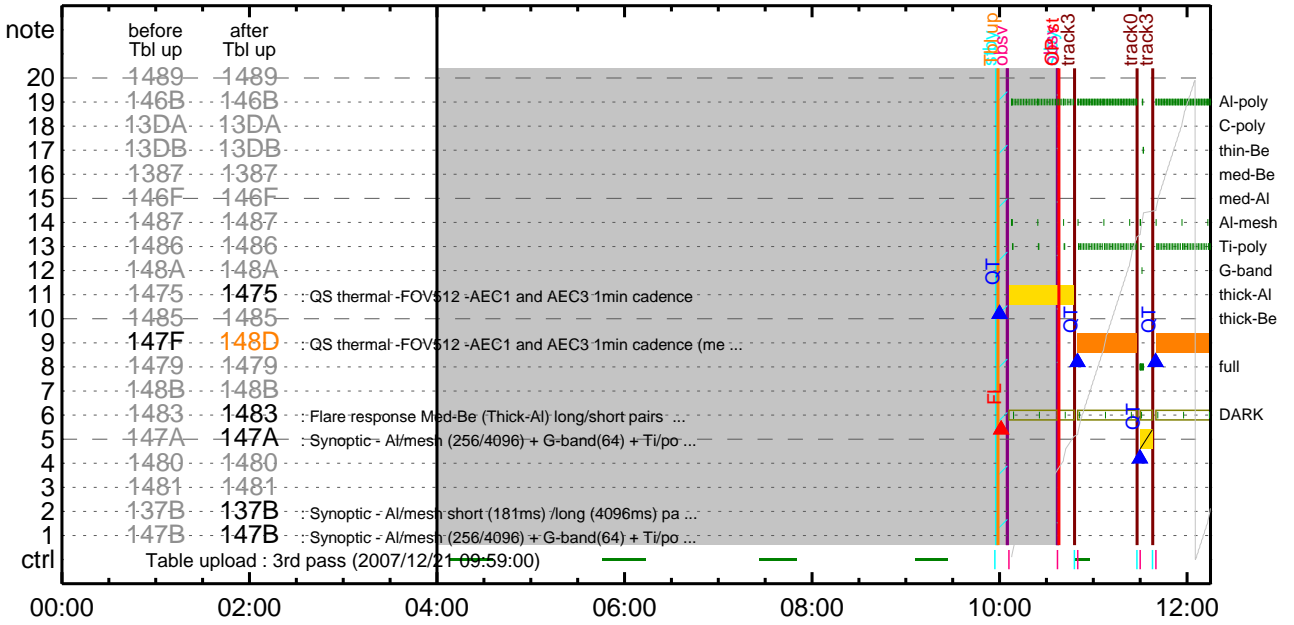
|   |                |                |       |      |       |       |     |     |                    |       |            |          |          |
|---|----------------|----------------|-------|------|-------|-------|-----|-----|--------------------|-------|------------|----------|----------|
| <b>ARS Patrol</b>   |                |                |       |      |       |       |     |     |                    |       |            |          |          |
| Term Pointing (x, y) Comment  |                |                |       |      |       |       |     |     |                    |       |            |          |          |
| 12/21 11:39:56 - 12/21 18:11:58 Track ( -170.0, -116.3) <sup>Ⓜ</sup> 12/21 11:38:00 # |                |                |       |      |       |       |     |     |                    |       |            |          |          |
| 12/21 18:21:56 - 12/21 23:58:28 Track ( -107.9, -115.5) <sup>Ⓜ</sup> 12/21 18:20:00 # |                |                |       |      |       |       |     |     |                    |       |            |          |          |
| 12/22 00:08:26 - 12/22 05:58:58 Track ( -53.9, -114.9) <sup>Ⓜ</sup> 12/22 00:06:30 #  |                |                |       |      |       |       |     |     |                    |       |            |          |          |
| 12/22 06:08:56 - 12/24 10:51:00 Track ( 2.4, -114.3) <sup>Ⓜ</sup> 12/22 06:07:00 #    |                |                |       |      |       |       |     |     |                    |       |            |          |          |
|   | 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 |          |

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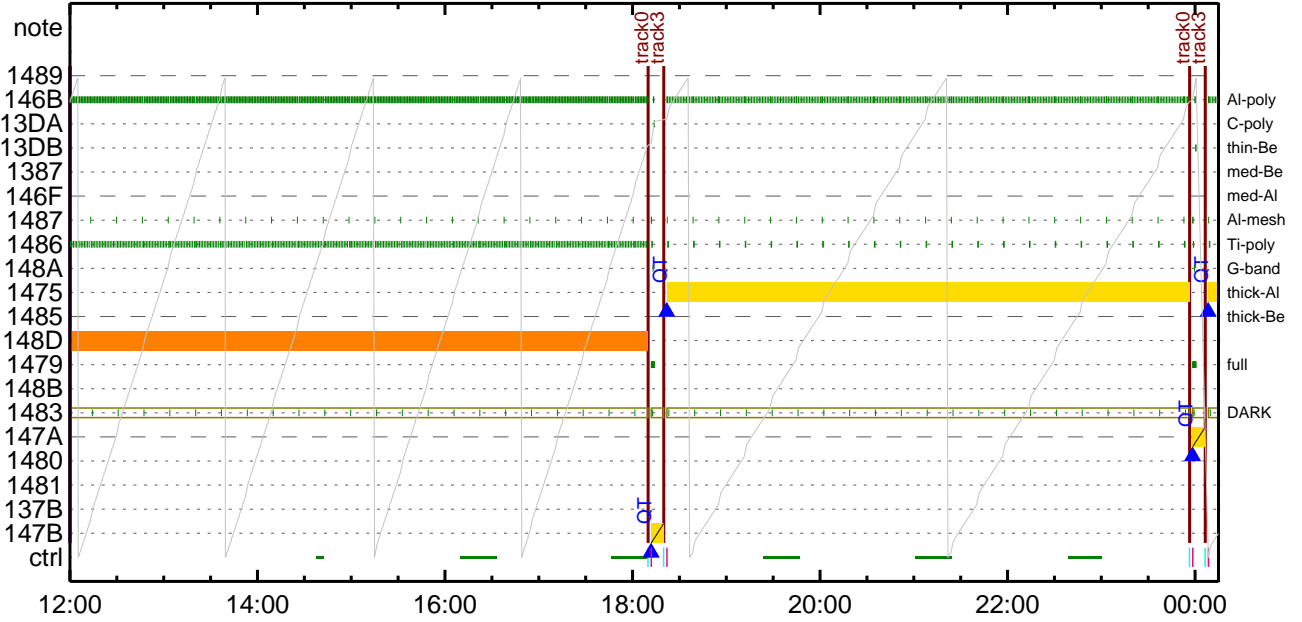
**Flare Detection** \* \* \* \* \*

|   |                |                |       |      |       |      |     |     |                    |       |            |          |        |
|---|----------------|----------------|-------|------|-------|------|-----|-----|--------------------|-------|------------|----------|--------|
| <b>FLD Patrol</b>   |                |                |       |      |       |      |     |     |                    |       |            |          |        |
| Term Pointing (x, y) Comment  |                |                |       |      |       |      |     |     |                    |       |            |          |        |
| 12/21 11:39:58 - 12/21 18:11:54 Track ( -170.0, -116.3) <sup>Ⓜ</sup> 12/21 11:38:00 # |                |                |       |      |       |      |     |     |                    |       |            |          |        |
| 12/21 18:21:58 - 12/21 23:58:24 Track ( -107.9, -115.5) <sup>Ⓜ</sup> 12/21 18:20:00 # |                |                |       |      |       |      |     |     |                    |       |            |          |        |
| 12/22 00:08:28 - 12/22 05:58:54 Track ( -53.9, -114.9) <sup>Ⓜ</sup> 12/22 00:06:30 #  |                |                |       |      |       |      |     |     |                    |       |            |          |        |
| 12/22 06:08:58 - 12/22 10:21:56 Track ( 2.4, -114.3) <sup>Ⓜ</sup> 12/22 06:07:00 #    |                |                |       |      |       |      |     |     |                    |       |            |          |        |
|   | thin-Be/Open   | thin-Be/Open   | close | Safe | Norm  | 8ms  | Obs | 8x8 |                    | DPCM  |            |          | 120sec |
|   | Default Filter | Thicker Filter | VLS   | mode | image | Exp. | CCD | Bin | ROI: size (center) | Comp. | AEC Buffer | Interval |        |

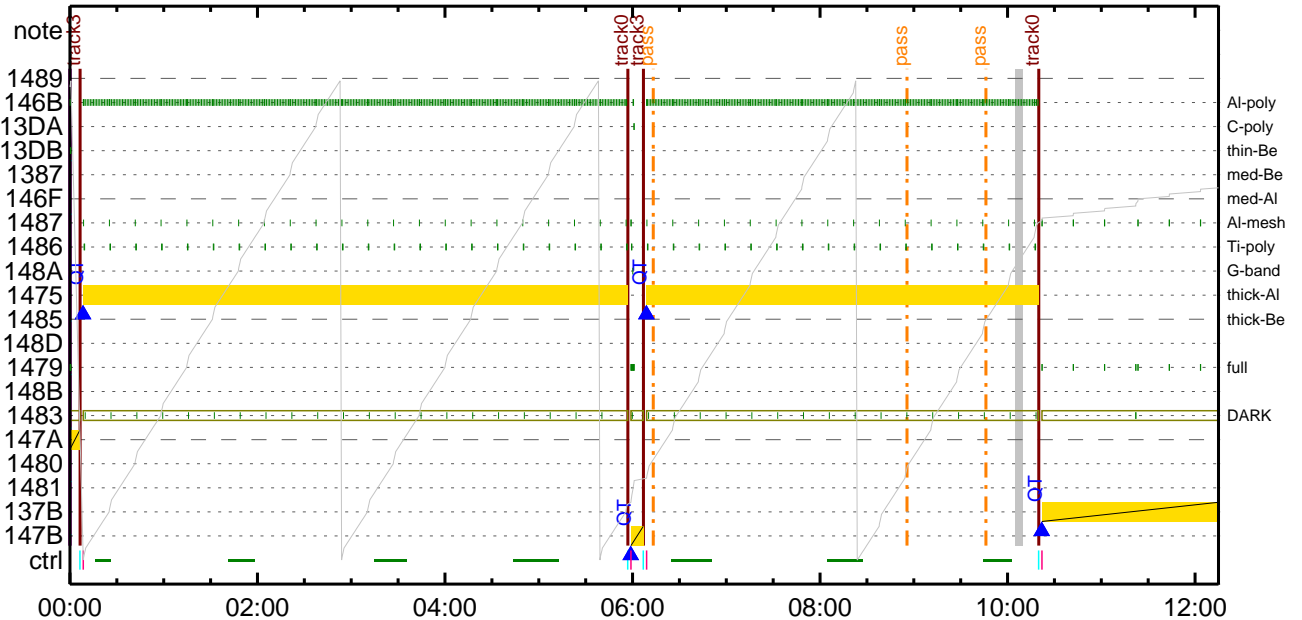
### CMDI #0582 2007/12/21



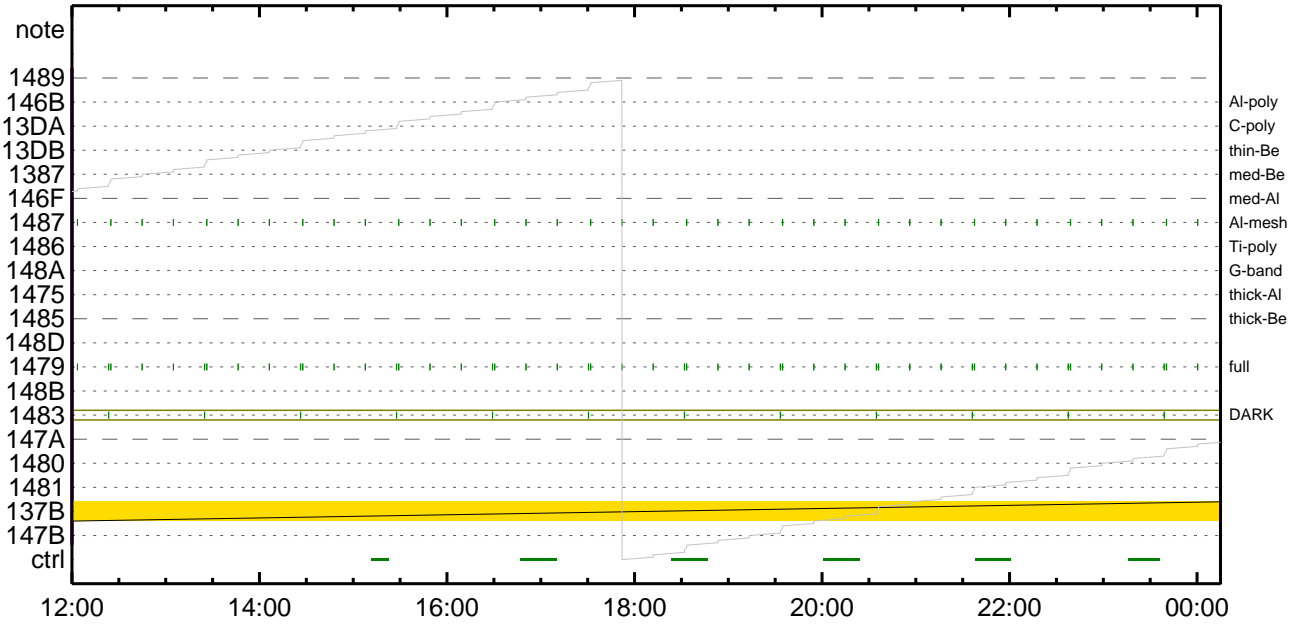
### CMDI #0582 2007/12/21



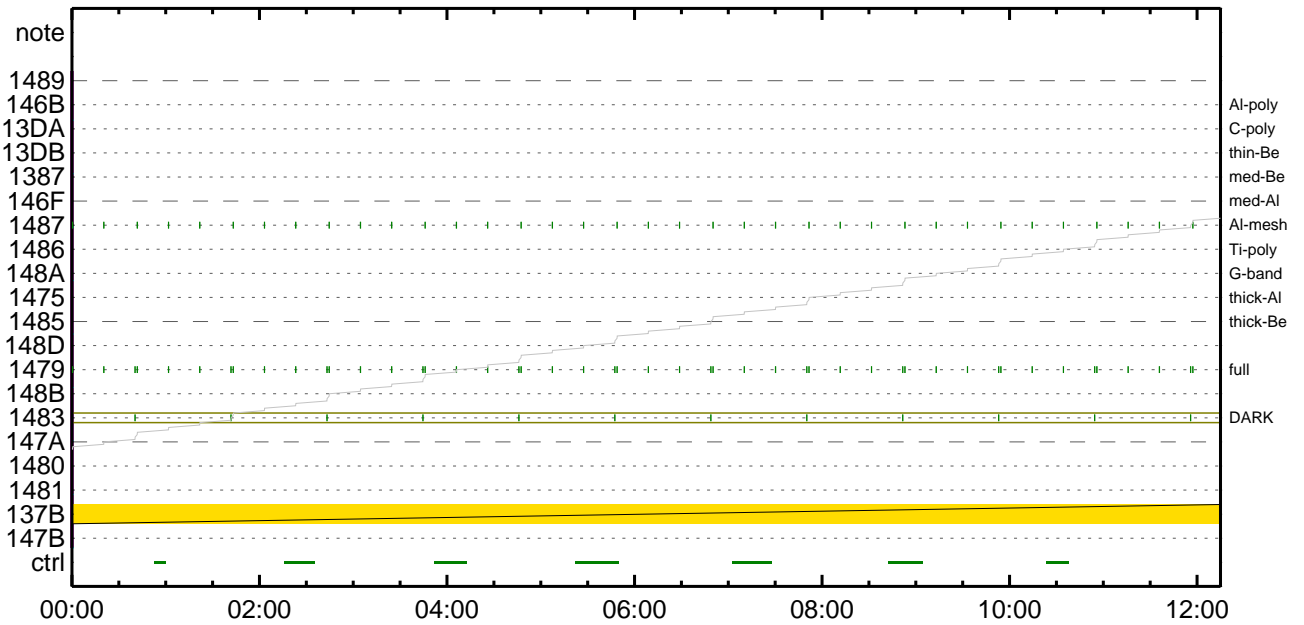
### CMDI #0582 2007/12/22



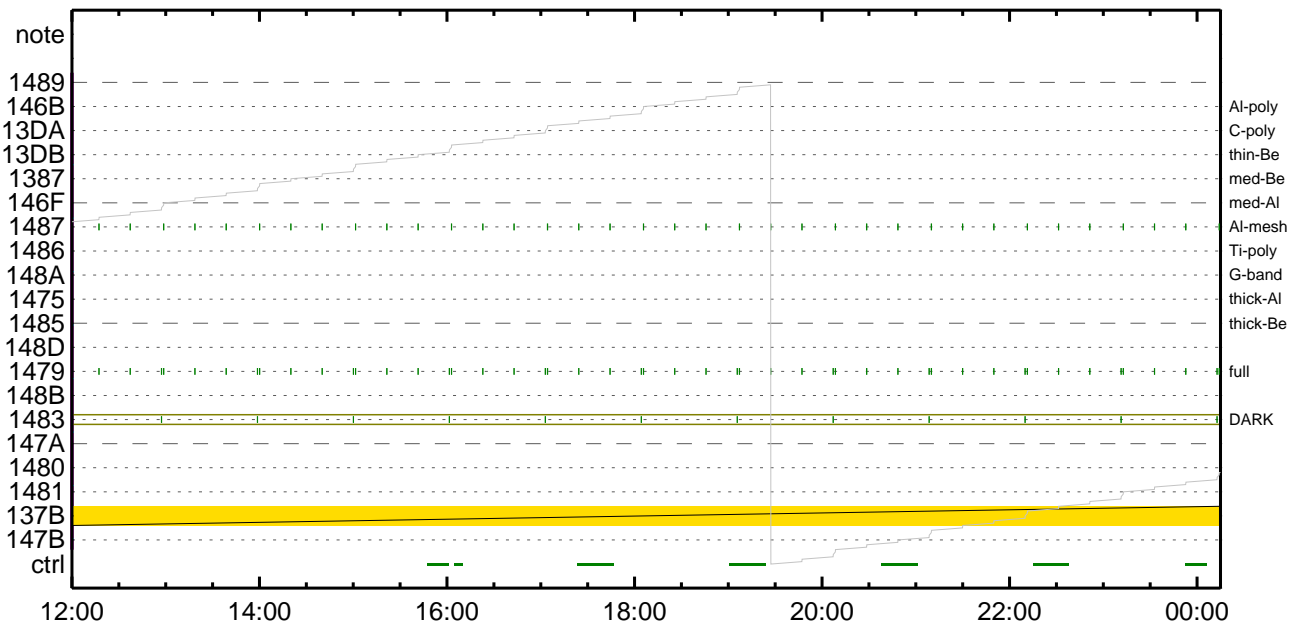
CMDI #0582 2007/12/22



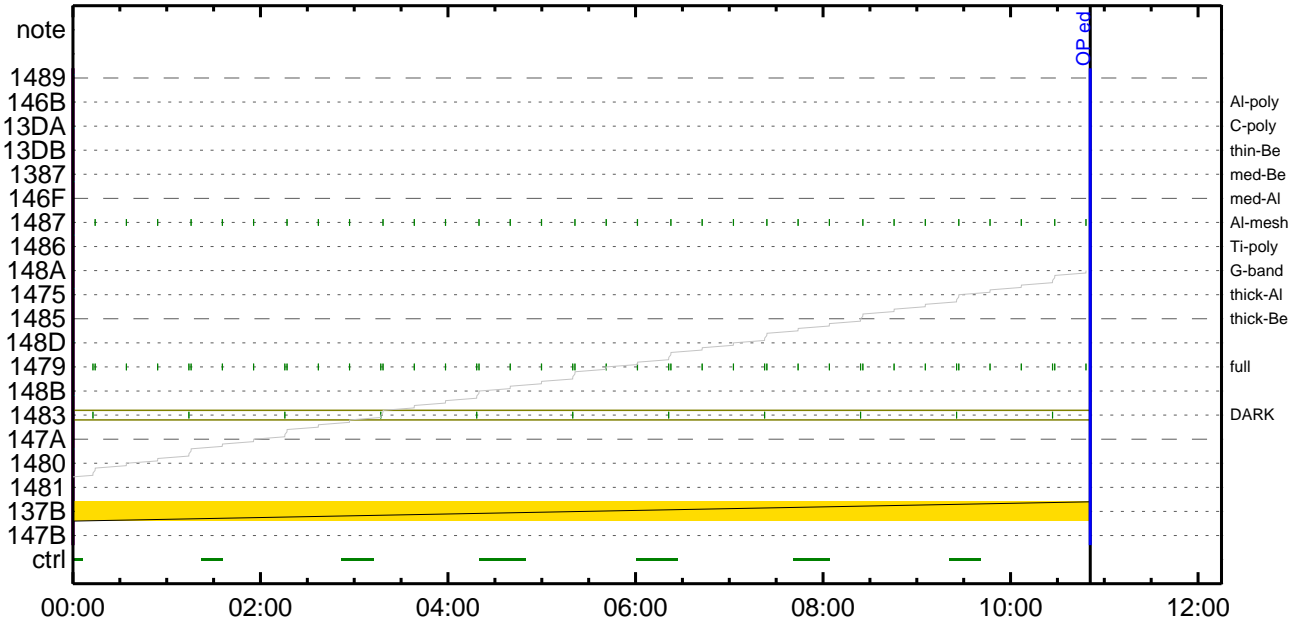
CMDI #0582 2007/12/23



CMDI #0582 2007/12/23



CMDI #0582 2007/12/24



CMDI #0582 2007/12/24

