

60 inch Telescope Log

Spectrograph: FAST

Observer: CALKINS

Grating: 300L

Page: 6485

PI: All, Kirshner

Date: 9/10/98

| Number | Object      | R.A.  | Dec.   | L/R | Exp    | Comments                      |
|--------|-------------|-------|--------|-----|--------|-------------------------------|
| 1-10   | DARK        |       |        |     | 15m    | Binby 4                       |
| 11-20  | BIAS        |       |        |     | 0s     |                               |
| 21-30  | FLAT        |       |        |     | 6s     |                               |
| 31-40  | BIAS        |       |        |     | 0s     | Binby 2.                      |
| 41-50  | FLAT        |       |        |     | 12s    | clouds @ sunset               |
| 51     | HD192281    | 20 12 | 40 16  | #56 | 9s     | Binby 4                       |
| 52     | comp        |       |        | ↑   |        |                               |
| 53     | SBS1425p606 | 14 26 | 60 25  | #6  | 12m    |                               |
| 54     | comp        |       |        | ↑   |        |                               |
| 55     | N5548       | 14 18 | 25 07  | #6  | 4m     | Hunting for holes!            |
| 56     | comp        |       |        | ↑   |        |                               |
| 57     | MRK 509     | 20 44 | -10 45 | #6  | 4m     |                               |
| 58     | comp        |       |        | ↑   |        |                               |
| 59, 60 | CIC19       | 19 50 | 35 41  | #12 | 4,40s  |                               |
| 61     | comp        |       |        | ↑   |        |                               |
| 62, 63 | AG Peg      | 21 51 | 12 37  | #12 | 1, 12s |                               |
| 64     | comp        |       |        | ↑   |        |                               |
| 65     | 3C390.3     | 17 41 | 79 45  | #6  | 11m    |                               |
| 66     | comp        |       |        | ↑   |        |                               |
| 67     | MRK 501     | 16 53 | 39 45  | #6  | 10m    | In "out" of clouds            |
| 68     | comp        |       |        | ↑   |        | shut for clouds               |
|        |             |       |        |     |        | clouds blowing out!           |
| 69     | sn1998 dm   | 01 26 | -06 06 | #2  | 20m    | Binby 2                       |
| 70     | comp        |       |        | ↑   |        |                               |
| 71     | sn1998 dk   | 00 14 | -00 42 | #2  | 10m    | shortened exposure for clouds |
| 72     | comp        |       |        | ↑   |        |                               |
| 73     | Feige 110   | 23 19 | -05 09 | #56 | 3s     |                               |

| 60 Inch Telescope Log              |              |       |       | Spectrograph: <u>FAST</u> |     | Page: <u>6486</u>    |
|------------------------------------|--------------|-------|-------|---------------------------|-----|----------------------|
| Observer: <u>CALKINS</u>           |              |       |       | Grating: <u>300L</u>      |     | Date: <u>9/10/98</u> |
| PI: <u>Kirshner, Hudra, Barton</u> |              |       |       |                           |     |                      |
| Number                             | Object       | R.A.  | Dec.  | L/R                       | Exp | Comments             |
| 74                                 | comp         |       |       | ↑                         |     |                      |
| 75                                 | 215235906.7p | 23 59 | 28 00 | #68                       | 20m | Binby 4              |
| 76                                 | comp         |       |       | ↑                         |     |                      |
|                                    |              |       |       |                           |     | clouds return        |
|                                    |              |       |       |                           |     | hole?                |
| 77                                 | sqgal-023    | 00 22 | 22 23 | #73                       | 8m  |                      |
| 78                                 | comp         |       |       | ↑                         |     |                      |
| 79                                 | sqgal-030    | 00 32 | 07 13 | #73                       | 12m |                      |
| 80                                 | comp         |       |       | ↑                         |     |                      |
|                                    |              |       |       |                           |     | clouds again!        |
| 81                                 | sqgal-031    | 00 33 | 07 18 | #73                       | 15m |                      |
| 82                                 | comp         |       |       | ↑                         |     |                      |
| 83                                 | sqgal-032    | 00 33 | 07 15 | #73                       | 12m |                      |
| 84                                 | comp         |       |       | ↑                         |     |                      |
|                                    |              |       |       |                           |     | clouds!              |
| 85-89                              | sky          |       |       | #56                       | 2s  | Binby 4              |
| 90-99                              | BIAS         |       |       |                           | 0s  |                      |
| 100-109                            | FLAT         |       |       |                           | 6s  |                      |
| 110-119                            | BIAS         |       |       |                           | 0s  | Binby 2              |
| 120-129                            | FLAT         |       |       |                           | 12s |                      |
| 130-139                            | DARK         |       |       |                           | 15m |                      |
| 140-141                            | BIAS         |       |       |                           |     |                      |
| 142-143                            | FLAT         |       |       |                           |     |                      |

No COMP FOR SMye