

49 Total  
24 = 15R

| 60 inch Telescope Log      |            | Spectrograph: <u>FAST</u> |             |                      |     | Page: <u>3930</u>               |
|----------------------------|------------|---------------------------|-------------|----------------------|-----|---------------------------------|
| Observer: <u>P. Berlin</u> |            | Grating: <u>300</u>       |             | Date: <u>9/17/95</u> |     |                                 |
| PI: <u>Geller</u>          |            |                           |             |                      |     |                                 |
| Number                     | Object     | R. A.                     | Dec.        | L/R                  | Exp | Comments                        |
| 1-25                       | BIAS       |                           |             | 0                    | 0s  | rain @ sunset                   |
| 26-35                      | FLAT       |                           |             | 0                    | 8s  | open w/45                       |
| 36                         | S22.043863 | 23:20:21.4                | +12:58:07.7 | 3                    | 15m | clearing; thin cloud H $\alpha$ |
| 37                         | COMP       |                           |             | ↑                    |     |                                 |
| 38                         | S22.044845 | 23:22:44.05               | +12:01:01.5 | 3                    | 7m  |                                 |
| 39                         | COMP       |                           |             | ↑                    |     |                                 |
| 40                         | S22.045099 | 23:23:48.5                | +12:04:41.1 | 3                    | 7m  | H $\alpha$                      |
| 41                         | COMP       |                           |             | ↑                    |     |                                 |
| 42                         | S22.045362 | 23:11:02.06               | +12:02:14.7 | 3                    | 6m  |                                 |
| 43                         | COMP       |                           |             | ↑                    |     | ... clouds ...                  |
| 44                         | S22.047243 | 23:20:23.16               | +12:04:45.9 | 3                    | 7m  |                                 |
| 45                         | COMP       |                           |             | ↑                    |     |                                 |
| 46                         | S22.047482 | 23:31:49.21               | +12:04:10.6 | 3                    | 15m | name incorrect in raw data      |
| 47                         | COMP       |                           |             | ↑                    |     |                                 |
| 48                         | S22.048263 | 23:28:34.26               | +12:11:21.1 | 3                    | 15m | H $\alpha$ (w/cosmic $\gamma$ ) |
| 49                         | COMP       |                           |             | ↑                    |     |                                 |
| 50                         | S22.048908 | 23:22:13.42               | +12:13:57.1 | 3                    | 6m  |                                 |
| 51                         | COMP       |                           |             | ↑                    |     |                                 |
| 52                         | S22.053261 | 23:23:11.67               | +12:26:31.7 | 3                    | 10m |                                 |
| 53                         | COMP       |                           |             | ↑                    |     |                                 |
| 54                         | S22.053492 | 23:22:41.11               | +12:28:22.2 | 3                    | 10m |                                 |
| 55                         | COMP       |                           |             | ↑                    |     |                                 |
| 56                         | S22.054140 | 23:26:35.23               | +12:20:01.1 | 3                    | 7m  |                                 |
| 57                         | COMP       |                           |             | ↑                    |     |                                 |
| 58                         | S22.055955 | 23:12:0.4                 | +12:26:25.3 | 3                    | 7m  |                                 |
| 59                         | COMP       |                           |             | ↑                    |     |                                 |
| 60                         | S22.056039 | 23:31:24.58               | +12:55:27.1 | 3                    | 10m |                                 |
| 61                         | COMP       |                           |             | ↑                    |     |                                 |
| 62                         | S22.060143 | 23:27:10.82               | +12:46:46.7 | 3                    | 6m  |                                 |
| 63                         | COMP       |                           |             | ↑                    |     |                                 |

Li 6708

60 inch Telescope Log

Observer: P. BerlindPI: Geller/WilkesSpectrograph: FASTGrating: 300Page: 3931Date: 9/17/95

| Number | Object       | R.A.        | Dec.        | L/R | Exp | Comments            |
|--------|--------------|-------------|-------------|-----|-----|---------------------|
| 64     | S22.061575   | 23:27:036   | +12:57:22   | 3   | 7m  | clear...            |
| 65     | COMP         |             |             | ↑   |     |                     |
| 66     | S22.062404   | 23:19:018   | +12:55:48.4 | 3   | 10m |                     |
| 67     | COMP         |             |             | ↑   |     |                     |
| 68     | S22.062255   | 23:15:516   | +12:51:176  | 3   | 10m | H $\alpha$          |
| 69     | COMP         |             |             | ↑   |     |                     |
| 70     | 01548 p0406  | 01:54:48    | +04:06:00   | 21  | 20m | H $\alpha$          |
| 71     | COMP         |             |             | ↑   |     |                     |
| 72     | S22.062535   | 23:26:1192  | +12:51:313  | 3   | 8m  |                     |
| 73     | COMP         |             |             | ↑   |     |                     |
| 74     | S22.064404   | 23:15:57.2  | +13:03:01.2 | 3   | 8m  |                     |
| 75     | COMP         |             |             | ↑   |     |                     |
| 76     | S22.064557   | 23:12:37.4  | +13:03:236  | 3   | 7m  |                     |
| 77     | COMP         |             |             | ↑   |     |                     |
| 78     | S22.065280   | 23:16:4902  | +13:05:466  | 3   | 8m  | H $\alpha$          |
| 79     | COMP         |             |             | ↑   |     |                     |
| 80     | S22.066627   | 23:15:07.9  | +12:10:121  | 3   | 7m  | H $\alpha$          |
| 81     | COMP         |             |             | ↑   |     |                     |
| 82     | S22.068364   | 23:12:3537  | +13:16:26.4 | 3   | 10m |                     |
| 83     | COMP         |             |             | ↑   |     |                     |
| 84     | S22.069301   | 23:24:10.18 | +13:18:32.3 | 3   | 15m | Finishes the plate! |
| 85     | COMP         |             |             | ↑   |     |                     |
| 86     | Ferrello     | 23:17:235   | -05:26:22   | 0   | 1m  |                     |
| 87     | COMP         |             |             | ↑   |     |                     |
| 88     | MRK 335      | 00:03:45    | +19:55:27   | 6   | 1m  |                     |
| 89     | COMP         |             |             | ↑   |     |                     |
| 90/91  | 225m250      | 00:41:45.1  | +11:05:12   | 0   | 3m  | +Z                  |
| 92     | COMP         |             |             | ↑   |     |                     |
| 93     | a 194 galaxy | 01:21       | -01:31      | 33  | 10m | H $\alpha$          |
| 94     | COMP         |             |             | ↑   |     |                     |

Moon 6:46 +17

60 inch Telescope Log

Observer: P. BerlindPI: Bartan & KaranyiSpectrograph: FASTGrating: 300Date: 9/17/95Page: 3932

| Number | Object      | R.A.       | Dec.        | L/R | Exp | Comments                  |
|--------|-------------|------------|-------------|-----|-----|---------------------------|
| 95     | a194-ga1002 | 01:21:24   | -01:25:25   | 33  | 10m |                           |
| 96     | COMP        |            |             | ↑   |     |                           |
| 97     | a194-ga1003 | 01:21:37   | -01:31:40   | 33  | 15m |                           |
| 98     | COMP        |            |             | ↑   |     |                           |
| 99     | a194-ga1004 | 01:21:56   | -01:55:20   | 33  | 10m | H <sub>α</sub>            |
| 100    | COMP        |            |             | ↑   |     |                           |
| 101    | a194-ga1005 | 01:22:21   | -02:12:32   | 33  | 15m |                           |
| 102    | COMP        |            |             | ↑   |     |                           |
| 103    | a194-ga1006 | 01:22:23   | -01:27:57   | 33  | 10m |                           |
| 104    | COMP        |            |             | ↑   |     |                           |
| 105    | a194-ga1007 | 01:22:27   | -02:18:16   | 33  | 10m |                           |
| 106    | COMP        |            |             | ↑   |     |                           |
| 107    | a194-ga1008 | 01:22:38   | -02:22:44   | 33  | 15m | H <sub>α</sub>            |
| 108    | COMP        |            |             | ↑   |     |                           |
| 109    | a194-ga1009 | 01:23:11   | -02:14:39   | 33  | 15m | H <sub>α</sub>            |
| 110    | COMP        |            |             | ↑   |     |                           |
| 111    | a194-ga1010 | 01:23:21   | -01:58:52   | 33  | 7m  | Wow what a pretty spiral! |
| 112    | COMP        |            |             | ↑   |     | H <sub>α</sub> sb...      |
| 113    | a194-ga1011 | 01:23:33   | -02:27:21   | 33  | 8m  | nice lines to bot         |
| 114    | COMP        |            |             | ↑   |     |                           |
| 115    | a194-ga1012 | 01:23:42   | -01:21:18   | 33  | 7m  | 3 objects on slit         |
| 116    | COMP        |            |             | ↑   |     | all 3 are stars           |
| 117    | awm7-1.09   | 02:51:23   | +41:57:33   | 35  | 10m | H <sub>α</sub>            |
| 118    | COMP        |            |             | ↑   |     |                           |
| 119    | awm7-1.11   | 02:51:42   | +41:54:55   | 35  | 5m  | H <sub>α</sub>            |
| 120    | COMP        |            |             | ↑   |     |                           |
| 121    | awm7-1.12   | 02:52:05   | +41:51:55   | 35  | 4m  |                           |
| 122    | COMP        |            |             | ↑   |     |                           |
| 123    | awm7-1.13   | 02:52:34.5 | +41:54:41.1 | 35  | 4m  |                           |
| 124    | COMP        |            |             | ↑   |     |                           |

