

60 inch Telescope Log  
 Observer: Mahdavi/Jha  
 PI: All/Kirshner/Mahdavi  
 Spectrograph: FAST  
 Grating: 300 line  
 Date: 12/18/1998  
 Page: 6784

| Number | Object      | R.A.       | Dec.     | L/R | Exp              | Comments                 |
|--------|-------------|------------|----------|-----|------------------|--------------------------|
| 1-9    | DARK        | Binby 4    |          |     | 15m              | Clear, Finally!          |
| 10-19  | BIAS        | ↓          |          |     | 05               |                          |
| 20-29  | FLAT        | ↓          |          |     | 65               |                          |
| 30-39  | FLAT        | Binby 2    |          |     | 125              |                          |
| 40-49  | BIAS        | ↓          |          |     | 05               |                          |
| 50-59  | FLAT        | Binby 4    |          |     | 20 <sup>s</sup>  | 1.1" slit                |
| 60-64  | sky         | ↓          |          | 57  | 2 <sup>s</sup>   |                          |
| 65     | COMP        |            |          | ↑   |                  |                          |
| 66     | Feige 110   | 23:19:23.5 | 05:26:22 | 56  | 2 <sup>m</sup>   |                          |
| 67     | COMP        |            |          | ↑   |                  |                          |
| 68     | M31         | 00:40:00   | 40:59:42 | 57  | 1 <sup>m</sup>   |                          |
| 69     | COMP        |            |          | ↑   |                  |                          |
| 70     | N7469       | 23 03 15.3 | 08 52 25 | 6   | 150 <sup>s</sup> |                          |
| 71     | COMP        |            |          | ↑   |                  |                          |
| 72     | sn98es      | 01 37 14.9 | 05 52 50 | 2   | 15 <sup>m</sup>  | tilt 595 slit PA -41.0   |
| 73     | COMP        |            |          | ↑   | 125              | binby 2                  |
| 74     | Feigello    | 23:19:23.5 | 05 26 22 | 56  | 3 <sup>m</sup>   | tilt 595 PA 16.4 binby 2 |
| 75     | COMP        |            |          | ↑   | 125              |                          |
| 76     | sn98ey      | 21 30 00.6 | 26 43 24 | 2   | 20 <sup>m</sup>  | tilt 610 PA 90 binby 2   |
| 77     | "           | "          | "        | 2   | 20 <sup>m</sup>  | Bin by 2                 |
| 78     | COMP        |            |          | ↑   | 125              |                          |
| 79     | FEIGE 24    | 2:35:07.4  | 3:43:56  | 56  | 3 <sup>m</sup>   | ↓                        |
| 80     | COMP        |            |          | ↑   | 125              |                          |
| 81     | srGb158.002 | 2:52:01    | 9:14:50  | 59  | 20 <sup>m</sup>  | Bin by 4                 |
| 82     | COMP        |            |          | ↑   |                  |                          |
| 83     | srGb158.003 | 2:57:02    | 9:18:11  | 59  | 15 <sup>m</sup>  |                          |
| 84     | COMP        |            |          | ↑   |                  |                          |
| 85     | srGb158.007 | 02 54 33   | 09 27 02 | 59  | 20 <sup>m</sup>  |                          |
| 86     | COMP        |            |          | ↑   |                  |                          |
| 87     | srGb158.004 | 02 53 24   | 09 25 49 | 59  | 18 <sup>m</sup>  |                          |

60 inch Telescope Log  
 Observer: Mahdavi/Jha  
 PI: All/Mahdavi/Koranyi/Gomez/etal  
 Spectrograph: FAST  
 Grating: 300 line  
 Date: 12/18/1998  
 Page: 6785

| Number | Object     | R.A.      | Dec.     | L/R | Exp             | Comments                           |
|--------|------------|-----------|----------|-----|-----------------|------------------------------------|
| 88     | COMP       |           |          | ↑   |                 |                                    |
| 89     | Srb158.008 | 02:54:39  | 9:21:20  | 59  | 15 <sup>m</sup> | superposed *, but gal em - get it! |
| 90     | COMP       |           |          | ↑   |                 |                                    |
| 91     | awm7-3.117 | 02:58:12  | 42:55:28 | 35  | 20 <sup>m</sup> |                                    |
| 92     | COMP       |           |          | ↑   |                 |                                    |
| 93     | awm7-4.023 | 02:45:32  | 40:58:55 | 35  | 20 <sup>m</sup> |                                    |
| 94     | COMP       |           |          | ↑   |                 |                                    |
| 95     | CICAM      | 4:19:47.1 | 55:59:58 | 107 | 25              |                                    |
| 96     | ↓          | ↓         | ↓        | ↓   | 20 <sup>s</sup> |                                    |
| 97     | ↓          | ↓         | ↓        | ↓   | 90 <sup>s</sup> |                                    |
| 98     | COMP       |           |          | ↑   |                 |                                    |
| 99     | awm7-4.026 | 2:45:46   | 41:13:44 | 35  | 15 <sup>m</sup> |                                    |
| 100    | COMP       |           |          | ↑   |                 |                                    |
| 101    | awm7-4.028 | 2:45:59   | 41:19:19 | 35  | 18 <sup>m</sup> |                                    |
| 102    | COMP       |           |          | ↑   |                 |                                    |
| 103    | awm7-4.029 | 2:45:28   | 41:28:28 | 35  | 18 <sup>m</sup> |                                    |
| 104    | COMP       |           |          | ↑   |                 |                                    |
| 105    | AOS35 P26  | 5:38:55   | 26:18:56 | 104 | 30 <sup>s</sup> | 11" cil                            |
| 106    | "          | "         | "        | "   | "               |                                    |
| 107    | COMP       |           |          | ↑   | 85              |                                    |
| 108    | HD39478    | 5:53:59   | 26:25:20 | 104 | 10 <sup>s</sup> |                                    |
| 109    | "          | "         | "        | "   | "               |                                    |
| 110    | COMP       |           |          | ↑   | 85              |                                    |
| 111    | HILTNER600 | 6:42:37   | 2:11:25  | 50  | 60 <sup>s</sup> |                                    |
| 112    | COMP       |           |          | ↑   | 85              |                                    |
| 113    | a539       | 5:14:40   | 3:51:30  | 64  | 20 <sup>m</sup> | 3" slit                            |
| 114    | COMP       |           |          | ↑   |                 |                                    |
| 115    | a539       | 5:15:00   | 4:23:02  | 64  | 22 <sup>m</sup> |                                    |
| 116    | COMP       |           |          | ↑   |                 |                                    |
| 117    | BGGem      | 6:03:31   | 27:41:52 | 100 |                 | Bin by 2                           |

60 inch Telescope Log  
 Observer: Mahdavi/Jha  
 PI: Kempson/Coller/Hochen et al  
 Spectrograph: FAST  
 Grating: 3001  
 Date: 12/18/1998  
 Page: 6786

| Number  | Object      | R.A.       | Dec.     | L/R | Exp             | Comments                             |
|---------|-------------|------------|----------|-----|-----------------|--------------------------------------|
| 118     | COMP        |            |          | ↑   | 12 <sup>s</sup> | Bin by 2                             |
| 119     | a539        | 5:15:24    | 6:00:15  | 64  | 22 <sup>m</sup> | Bin by 4                             |
| 120     | COMP        |            |          | ↑   |                 | Clouds moving in from W              |
| 121     | 2M          | 08 00 05.6 | 13 44 15 | 68  | 15 <sup>m</sup> | some clouds around                   |
| 122     | COMP        |            |          | ↑   |                 |                                      |
| 123     | 2M          | 08 59 45   | 16 04 32 | 68  | 3 <sup>m</sup>  | star! yes, star                      |
| 124     | COMP        |            |          | ↑   |                 |                                      |
| 125     | 2M          | 08 28 32   | 13 42 27 | 68  | 15 <sup>m</sup> |                                      |
| 126     | COMP        |            |          | ↑   |                 |                                      |
| 127     | 2M          | 08 09 18   | 19 29 58 | 68  | 15 <sup>m</sup> | clouds                               |
| 128     | COMP        |            |          | ↑   |                 |                                      |
| 129     | nrqs027.046 | 09 13 59   | 17 56 39 | 59  | 15 <sup>m</sup> | clouds                               |
| 130     | COMP        |            |          | ↑   |                 |                                      |
| 131     | nrqs027.047 | 09 14 13   | 16 44 32 | 59  | 10 <sup>m</sup> |                                      |
| 132     | COMP        |            |          | ↑   |                 |                                      |
| 133     | SN98S       | 11 46 06   | 47 28 56 | 2   | 20 <sup>m</sup> | binby 2                              |
| 134     | COMP        |            |          | ↑   | 12 <sup>s</sup> |                                      |
| 135     | SN98S       |            |          | 2   | 20 <sup>m</sup> | Clouds moving in                     |
| 136     | COMP        |            |          | ↑   | 12 <sup>s</sup> | and out                              |
| 137     | SN98S       |            |          | 2   | 19 <sup>m</sup> |                                      |
| 138     | COMP        |            |          | ↑   | 12 <sup>s</sup> | ↓ NOT A COMP<br>LOOKS LIKE BIAS FILE |
| 139     | nrqs027.054 | 9:15:02.1  | 17:35:31 | 59  | 12 <sup>m</sup> | Bin by 4                             |
| 140     | COMP        |            |          | ↑   |                 |                                      |
| 141     | SN cand     | "          | "        | 2   | 11 <sup>m</sup> | SN cand in prev galaxy binby 2       |
| 142     | COMP        |            |          | ↑   | 12 <sup>s</sup> | turns out to be asteroid 6181        |
| 143     | N554R       | 14:15:44   | 25:22:01 | 6   | 13 <sup>m</sup> | binby 4                              |
| 144     | COMP        |            |          | ↑   |                 |                                      |
| 145     | MRK279      | 13 51 54   | 69 33 13 | 6   | 3 <sup>m</sup>  | sky very bright - nothing            |
| 146     | COMP        |            |          | ↑   |                 |                                      |
| 147-156 | FLAT        |            |          |     | 20 <sup>s</sup> | 1.1" slit binby 4                    |

USED comp file 136 for file 137

