

60 inch Telescope Log  
 Observer: D. KORANYI  
 PI: MAHAVI/KEWEN  
 Spectrograph: FAST  
 Grating: 300-L  
 Date: 11/2/97  
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| Number | Object     | R. A.    | Dec.     | L/R | Exp       | Comments                 |
|--------|------------|----------|----------|-----|-----------|--------------------------|
| 1-8    | DARK       |          |          | 0   | 15m       | SKY                      |
| 9-18   | BIAS       |          |          | 0   | 0s        | "                        |
| 19-28  | FLAT       |          |          | 0   | 6s        | "                        |
| 29-38  | BIAS       |          |          | 0   | 0s        | SKY X 2                  |
| 39-48  | FLAT       |          |          | 0   | 12s       | SKY X 2                  |
| 49-53  | SKY        |          |          | 0   | 3s        | SKY X 4                  |
| 54     | COMP       |          |          | ↑   | 6s        |                          |
| 55-58  | HD 192281  | 20:10:46 | 40:07:01 | 56  | 5s        |                          |
| 59     | COMP       |          |          | ↑   | 6s        |                          |
| 60     | HR 509     | 20:41:26 | 10:54:18 | 6   | 3m        |                          |
| 61     | COMP       |          |          | ↑   | 6s        |                          |
| 62-63  | CE Cyg     | 19:50:12 | 35:41:04 | 12  | 15, 30s   |                          |
| 64     | COMP       |          |          | ↑   | 6s        |                          |
| 65-66  | ε And      | 23:33:40 | 48:49:06 | 12  | 0.5s, 12s |                          |
| 67     | COMP       |          |          | ↑   | 6s        |                          |
| 68-70  | HT 531     | 22:34:46 | 34:09:43 | 57  | 3m        |                          |
| 71     | COMP       |          |          | ↑   | 6s        |                          |
| 72     | sg 6016.35 | 22:59:07 | 26:19:27 | 59  | 5m        |                          |
| 73     | COMP       |          |          | ↑   | 6s        |                          |
| 74     | sg 6016.36 | 22:59:04 | 26:17:59 | 59  | 15m       | FAINT                    |
| 75     | COMP       |          |          | ↑   | 6s        |                          |
| 76     | sg 6016.34 | 22:58:58 | 26:17:06 | 59  | 15m       | FAINT/STAR ON SLIT TO E. |
| 77     | COMP       |          |          | ↑   | 6s        | NOT MUCH SIGNAL          |
| 78     | sg 6016.37 | 22:59:09 | 26:11:34 | 59  | 15m       |                          |
| 79     | COMP       |          |          | ↑   | 6s        |                          |
| 80     | sg 6016.38 | 22:59:09 | 26:12:56 | 59  | 12m       |                          |
| 81     | COMP       |          |          | ↑   | 6s        |                          |
| 82     | sg 6016.39 | 22:59:18 | 26:15:52 | 59  | 6m        |                          |
| 83     | COMP       |          |          | ↑   | 6s        |                          |

60 inch Telescope Log  
 Observer: D. KIRBY  
 PI: MALHOTRA  
 Spectrograph: FAST  
 Grating: 300-L  
 Date: 11/2/97  
 Page: 5747

| Number | Object     | R. A.    | Dec.     | L/R | Exp | Comments                   |
|--------|------------|----------|----------|-----|-----|----------------------------|
| 84     | srj6016.40 | 22:59:20 | 21:53:01 | S   | 15m |                            |
| 85     | COMP       |          |          | ↑   | 6s  |                            |
| 86     | srj6016.41 | 22:59:22 | 21:54:56 | S   | 12m |                            |
| 87     | COMP       |          |          | ↑   | 6s  |                            |
| 88     | srj6016.42 | 22:59:22 | 21:54:52 | S   | 12m |                            |
| 89     | COMP       |          |          | ↑   | 6s  |                            |
| 90     | srj6016.43 | 22:59:22 | 21:52:15 | S   | 5m  |                            |
| 91     | COMP       |          |          | ↑   | 6s  |                            |
| 92     | srj6016.44 | 22:59:22 | 21:54:00 | S   | 15m | Faint source on slit to W. |
| 93     | COMP       |          |          | ↑   | 6s  |                            |
| 94     | srj6016.45 | 22:59:22 | 21:51:02 | S   | 5m  |                            |
| 95     | COMP       |          |          | ↑   | 6s  |                            |
| 96     | srj6016.46 | 22:59:22 | 21:52:02 | S   | 6m  |                            |
| 97     | COMP       |          |          | ↑   | 6s  |                            |
| 98     | srj6016.47 | 22:59:22 | 21:50:44 | S   | 12m |                            |
| 99     | COMP       |          |          | ↑   | 6s  |                            |
| 100    | srj6016.48 | 22:59:22 | 21:55:52 | S   | 15m | Fuzz..                     |
| 101    | COMP       |          |          | ↑   | 6s  |                            |
| 102    | srj6016.49 | 22:59:22 | 21:57:22 | S   | 7m  |                            |
| 103    | COMP       |          |          | ↑   | 6s  |                            |
| 104    | srj6016.50 | 22:59:22 | 21:58:31 | S   | 15m |                            |
| 105    | COMP       |          |          | ↑   | 6s  |                            |
| 106    | srj6016.51 | 22:59:22 | 21:54:52 | S   | 15m | obj on slit to the west    |
| 107    | COMP       |          |          | ↑   | 6s  |                            |
| 108    | srj6016.52 | 22:59:22 | 21:54:02 | S   | 6m  |                            |
| 109    | COMP       |          |          | ↑   | 6s  |                            |
| 110    | srj6016.53 | 22:59:22 | 21:58:52 | S   | 15m |                            |
| 111    | COMP       |          |          | ↑   | 6s  |                            |
| 112    | srj6016.54 | 22:59:22 | 21:54:47 | S   | 7m  |                            |
| 113    | COMP       |          |          | ↑   | 6s  |                            |

| 60 inch Telescope Log       |            |          | Spectrograph: <u>FAST</u> |    | Comments  |
|-----------------------------|------------|----------|---------------------------|----|-----------|
| Observer: <u>D. KORANYI</u> |            |          | Grating: <u>300-A</u>     |    |           |
| PI: <u>GROGIN/KENTON</u>    |            |          | Date: <u>11/2/97</u>      |    |           |
| 114                         | 0157p1725  | 01:51:44 |                           |    |           |
| 115                         | COMP       |          |                           | +  | 65        |
| 116                         | 2102       | 01:53:22 | 14:28:44                  | 42 | 20m       |
| 117                         | COMP       |          |                           | +  | 65        |
| 118                         | I1700      | 01:54:10 | 14:28:26                  | 42 | 15m       |
| 119                         | COMP       |          |                           | +  | 65        |
| 120                         | I1698      | 01:54:42 | 14:28:43                  | 42 | 15m       |
| 121                         | COMP       |          |                           | +  | 65        |
| 122                         | 01535p1033 | 01:58:30 | 10:23:06                  | 42 | 15m       |
| 123                         | COMP       |          |                           | +  | 65        |
| 124                         | 230137020  | 01:58:20 | 10:23:14                  | 42 | 15m       |
| 125                         | COMP       |          |                           | +  | 65        |
| 126-127                     | AX Per     | 01:58:23 | 10:23:02                  | 42 | 35, 70s   |
| 128                         | COMP       |          |                           | +  | 65        |
| 129-130                     | DR Tau     | 01:59:05 | 10:23:16                  | 42 | 10s, 90s  |
| 131                         | COMP       |          |                           | +  | 65        |
| 132-133                     | DR Tau     | 01:59:35 | 10:23:52                  | 42 | 10s, 150s |
| 134                         | COMP       |          |                           | +  | 65        |
| 135-136                     | DR Tau     | 01:59:50 | 10:24:37                  | 42 | 10s, 35s  |
| 137                         | COMP       |          |                           | +  | 65        |
| 138                         | I1076      | 01:59:50 | 10:24:36                  | 42 | 14m       |
| 139                         | COMP       |          |                           | +  | 65        |
| 140                         | I1075      | 01:59:50 | 10:24:54                  | 42 | 12m       |
| 141                         | COMP       |          |                           | +  | 65        |
| 142                         | I1074      | 01:59:50 | 10:25:11                  | 42 | 15m       |
| 143                         | COMP       |          |                           | +  | 65        |
| 144                         | I1073      | 01:59:50 | 10:25:41                  | 42 | 12m       |
| 145                         | COMP       |          |                           | +  | 65        |
| 146                         | I1072      | 01:59:50 | 10:26:38                  | 42 | 4m        |
| 147                         | COMP       |          |                           | +  | 65        |

Comments

THIS IS A RED; ON 11/1/97 (4000) I DID A STAR W/ THIS NAME.

BURN-IN - NOTE! COMMENT: Object

BURN-IN

BURN-IN

BURN-IN

60 inch Telescope Log  
 Observer: D. KORANTY  
 PI: MANDAVI/KINSHAFER/HUCHRA  
 Spectrograph: FRST  
 Grating: 300-L  
 Date: 11/2/97  
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| Number  | Object      | R.A.     | Dec.     | L/R  | Exp  | Comments  |
|---------|-------------|----------|----------|------|------|---|
| 148     | src 6119.31 | 01:56:21 | 05:57:30 | 59   | 4m   |   |
| 149     | COMP        |          |          | ↑    | 6s   |   |
| 150     | src 6119.32 | 01:56:25 | 05:46:12 | 59   | 6m   |   |
| 151     | COMP        |          |          | ↑    | 6s   |   |
| 152     | src 6119.33 | 01:56:11 | 06:44:39 | 59   | 4m   |   |
| 153     | COMP        |          |          | ↑    | 6s   |   |
| 154     | src 6119.34 | 01:56:14 | 05:57:18 | 59   | 8m   | STAR → ● ← OBJECT                                   |
| 155     | COMP        |          |          | ↑    | 6s   |   |
| 156     | src 6119.35 | 01:56:17 | 07:38:47 | 59   | 12m  |   |
| 157     | COMP        |          |          | ↑    | 6s   |   |
| 158     | src 6119.36 | 01:56:18 | 07:24:33 | 59   | 5m   |   |
| 159     | COMP        |          |          | ↑    | 6s   |   |
| 160     | src 6119.37 | 01:56:19 | 05:39:25 | 59   | 4m   | SEC 2 = 1.71  |
| 161     | COMP        |          |          | ↑    | 6s   |   |
| 162     | SH 1997 00  | 09:26:42 | 47:05:36 | 2    | 10m  | BIN 2 / STAR ON SLIT TO E.                          |
| 163     | COMP        |          |          | ↑    | 12s  | BIN 2   |
| 164-166 | G 191 B2B   | 05:01:51 | 52:45:52 | 2/56 | 120s | BIN 2   |
| 167     | COMP        |          |          | ↑    | 12s  | BIN 2   |
| 168     | C 0616 p 29 | 06:19:29 | 23:20:42 | 43   | 15m  | BIN 4 → / BARELY VISIBLE FIRST!<br>V. LITTLE SIGNAL |
| 169     | COMP        |          |          | ↑    |      |   |
| 170-179 | BIAS        |          |          | 0    | 0s   | BIN 4 DOHE IS STUCK! ~4AM                           |
| 180-189 | FLAT        |          |          | 0    | 6s   | BIN 4 CANNOT REWIND                                 |
| 190-199 | BIAS        |          |          | 0    | 0s   | BIN 2 STOPPING EARLY                                |
| 200-204 | FLAT        |          |          | 0    | 12s  | BIN 2 ~4:40 AM                                      |