

| 60 inch Telescope Log | | Spectrograph: <u>FAST</u> | | | | Page: <u>5554</u> | |
|----------------------------|----------|---------------------------|----------|---------------------|-----------------|--------------------|--|
| Observer: <u>J. Peters</u> | | Grating: <u>300</u> | | Date: <u>7/4/97</u> | | | |
| PI: <u>et.al</u> | | | | | | | |
| Number | Object | R.A. | Dec. | I/R | Exp | Comments | |
| 1-10 | Bias | Bin By | 4 | | | | |
| 11-20 | FLAT | Bin By | 4 | | 6 ^s | | |
| 21-30 | FLAT | Bin By | 2 | | 12 ^s | Thin clouds around | |
| 31-40 | Bias | Bin By | 2 | | | Wind ~ 20mph | |
| 41-45 | SKY | | | | 2 ^s | | |
| 46 | Comp | | | ↑ | | | |
| 47 | MRK 279 | 13 51 53 | 69 33 13 | 6 | 2 ^m | | |
| 48 | Comp | | | ↑ | | | |
| 49 | Feige 99 | 14 36 04 | 27 42 28 | 56 | 2 ^m | | |
| 50 | Comp | | | ↑ | | | |
| 51 | NG 548 | 14 15 43 | 25 22 01 | 6 | 3 ^m | | |
| 52 | Comp | | | ↑ | | | |
| 53 | NG 866 | 15 05 07 | 55 57 18 | 57 | 5 ^m | | |
| 54 | Comp | | | ↑ | | | |
| 55 | NGC 1631 | 13 32 17 | 10 26 49 | 60 | 20 ^m | | |
| 56 | Comp | | | ↑ | | | |
| 57 | A000682W | 13 33 34 | 05 28 59 | 60 | 20 ^m | West Obj | |
| 58 | Comp | ↓ | ↓ | ↓ | | | |
| 59 | A000682E | ↓ | ↓ | 60 | 15 ^m | East Obj | |
| 60 | Comp | | | ↑ | | | |
| 61 | Z008269 | 13 35 14 | 10 41 10 | 60 | 6 ^m | | |
| 62 | Comp | | | ↑ | | | |
| 63 | Z005252 | 13 35 14 | 10 41 31 | 60 | 5 ^m | | |
| 64 | Comp | | | ↑ | | | |
| 65 | Z011005N | 13 36 52 | 01 11 16 | 60 | 15 ^m | North Obj | |
| 66 | Comp | ↓ | ↓ | ↑ | | | |
| 67 | Z011005S | ↓ | ↓ | 60 | 15 ^m | South Obj | |
| 68 | Comp | | | ↑ | | | |
| 69 | Z001289E | 13 39 57 | 00 49 55 | 60 | 10 ^m | East Obj | |
| 70 | Comp | | | ↑ | | | |

60 inch Telescope Log
 Observer: J. Peters
 PI: e.T.a.L
 Spectrograph: Fast
 Grating: 300
 Date: 7/4/97
 Page: 5555

| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|--------|------------|----------|----------|-----------------|-----------------|----------|
| 71 | 2001289 W | 13 39 57 | 00 49 55 | | 10 ^m | West Obj |
| 72 | Comp | | | ↑ | | |
| 73 | 2014046.1 | 16 28 41 | 41 08 13 | 60 | 7 ^m | Obj #1 |
| 74 | Comp | | | ↑ | | |
| 75 | 2014046.2 | | | 60 ^m | 5 ^m | Obj #2 |
| 76 | Comp | | | ↑ | | |
| 77 | 2014046.3 | ↓ | ↓ | 60 ^m | 5 ^m | Obj #3 |
| 78 | Comp | | | ↑ | | |
| 79 | 2014046.4 | ↓ | ↓ | 60 ^m | 5 ^m | Obj #4 |
| 80 | Comp | | | ↑ | | |
| 81 | 2014046.5 | ↓ | ↓ | 60 ^m | 5 ^m | Obj #5 |
| 82 | Comp | | | ↑ | | |
| 83 | 2011944.1 | 16 28 44 | 39 28 25 | 60 | 10 ^m | Obj #1 |
| 84 | Comp | | | ↑ | | |
| 85 | 2011944.2 | ↓ | ↓ | 60 | 5 ^m | Obj #2 |
| 86 | Comp | | | ↑ | | |
| 87 | 2011944.3 | ↓ | ↓ | 60 | 7 ^m | Obj #3 |
| 88 | Comp | | | ↑ | | |
| 89 | 2011944.4 | ↓ | ↓ | 60 | 5 ^m | Obj #4 |
| 90 | Comp | | | ↑ | | |
| 91 | N002346 | 16 00 10 | 46 44 39 | 60 | 20 ^m | |
| 92 | Comp | | | ↑ | | |
| 93 | 17543P7134 | 17 54 12 | 71 34 00 | 43 | 20 ^m | |
| 94 | Comp | | | ↑ | | |
| 95 | 17546P6425 | 17 54 36 | 64 25 00 | 43 | 6 ^m | |
| 96 | Comp | | | ↑ | | |
| 97 | 17554P6633 | 17 55 24 | 66 33 00 | 43 | 15 ^m | |
| 98 | Comp | | | ↑ | | |
| 99 | 17557P6221 | 17 55 42 | 62 21 00 | 43 | 10 ^m | |
| 100 | Comp | | | ↑ | | |

60 inch Telescope Log

Observer: J. PETERS

PI: et. al

Spectrograph: FAST

Grating: 300

Page: 5556

Date: 7/4/97

| Number | Object | R. A. | Dec | L/R | Exp | Comments |
|---------|--------------|----------|----------|-----|-----------------|----------|
| 101 | 17560P6439 | 17 56 00 | 64 39 00 | 43 | 15 ^m | |
| 102 | Comp P | | | ↑ | | |
| 103 | 17564P6207 | 17 56 24 | 62 07 00 | 43 | 5 ^m | |
| 104 | Comp P | | | ↑ | | |
| 105 | 17565P6235 | 17 56 30 | 62 35 00 | 43 | 5 ^m | |
| 106 | Comp P | | | ↑ | | |
| 107 | 17587P6938SW | 17 58 42 | 69 38 00 | 43 | 6 ^m | |
| 108 | Comp P | ↓ | ↓ | ↑ | | |
| 109 | 17587P6938NE | ↓ | ↓ | 43 | 6 ^m | |
| 110 | Comp P | | | ↑ | | |
| 111 | 17588P7040 N | 17 58 48 | 70 40 00 | 43 | 7 ^m | |
| 112 | Comp P | ↓ | ↓ | ↑ | | |
| 113 | 17588P7040 S | ↓ | ↓ | 43 | 7 ^m | |
| 114 | Comp P | | | ↑ | | |
| 115 | 17593P6246 | 17 59 18 | 62 46 00 | 43 | 6 ^m | |
| 116 | Comp P | | | ↑ | | |
| 117 | 18009P6301 | 18 00 54 | 63 01 00 | 43 | 20 ^m | |
| 118 | Comp P | | | ↑ | | |
| 119 | CICyg | 19 50 12 | 35 41 04 | 12 | 2 | |
| 120 | CICyg | ↓ | ↓ | 12 | 20 | |
| 121 | CICyg | ↓ | ↓ | 12 | 90 | |
| 122 | Comp P | | | ↑ | | |
| 123 | 110277086 | 22 54 49 | 62 27 35 | 56 | 5 ^s | |
| 124 | Comp P | | | | | |
| 125 | N7469 | 23 03 15 | 08 52 25 | 6 | 2 ^m | |
| 126 | Comp P | | | ↑ | | |
| 127-136 | Bias | | | | | |
| 137-146 | FLAT | | | | 6 ^s | |