

| 60 inch Telescope Log | | | | Spectrograph: <u>FAST</u> | | Page: <u>6361</u> |
|--|-------------|-------|-------|---------------------------|-----|---------------------------|
| Observer: <u>CALKINS</u> | | | | Grating: <u>500L</u> | | |
| PI: <u>Kirshner, All, Rines, Corary;</u> | | | | Date: <u>6/22/98</u> | | |
| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
| 1-10 | DARKS | | | | 15m | Binby 4 |
| 11-20 | BIAS | | | | 0s | ↓ |
| 21-30 | FLAT | | | | 6s | |
| 31-40 | FLAT (1.1") | | | | 20s | 1.1" slit |
| 41-50 | BIAS | | | | 0s | Binby 2, 3" slit |
| 51-60 | FLAT | | | | 12s | ↓ |
| 61-65 | sky | | | | 2s | Binby 4 |
| 66 | comp | | | ↑ | | |
| 67-68 | Feige 98 | 14 38 | 27 29 | #56 | 2m | ↓ |
| 69 | comp | | | ↑ | | |
| 70 | NG379 | 10 47 | 12 35 | #57 | 1m | |
| 71 | comp | | | ↑ | | |
| 72-73 | H244 | 13 23 | 36 08 | #56 | 2m | Binby 2- |
| 74 | comp | | | ↑ | | ↓ |
| 75-76 | SN1998bu | 10 46 | 11 50 | #2 | 10m | |
| 77 | comp | | | ↑ | | |
| 78 | SN5993 | 15 44 | 41 07 | #2 | 10m | galaxy to the east |
| 79 | comp | | | ↑ | | (spectra appears stellar) |
| 80 | MRK421 | 11 04 | 38 12 | #6 | 4m | |
| 81 | comp | | | ↑ | | |
| 82 | MRK279 | 13 53 | 69 18 | #6 | 3m | object to the east |
| 83 | comp | | | ↑ | | |
| 84 | NG548 | 14 18 | 25 08 | #6 | 3m | |
| 85 | comp | | | ↑ | | |
| 86 | MRK501 | 16 06 | 39 45 | #6 | 5m | star to the east |
| 87 | comp | | | ↑ | | |
| 88 | E362027 | 16 29 | 40 24 | #64 | 10m | |
| 89 | comp | | | ↑ | | (oops! - I'll try to |
| 90 | mkw5-028 | 13 59 | -3 00 | #55 | 20m | get these objects while |
| 91 | comp | | | ↑ | | they're still up!) |

60 inch Telescope Log

Observer: CALKINS

PI: Koranyi, Rines, Kenyon

Spectrograph: FAST

Grating: 300L

Page: 6362

Date: 6/22/98

| Number | Object | R.A. | Dec. | L/R | Exp | Comments |
|---------|------------|-------|--------|-----|--------|--------------------------------------|
| 92 | mkw5-029NE | 13 59 | -3 19 | #35 | 15m | -•- } both stars |
| 93 | comp | | | ↑ | | |
| 94 | mkw5-029SW | 13 59 | -3 19 | #35 | 16m | -•- } |
| 95 | comp | | | ↑ | | |
| 96 | E362801 | 16 31 | 40 25 | #64 | 10m | |
| 97 | comp | | | ↑ | | |
| 98 | E362804 | 16 31 | 40 29 | #64 | 4m | |
| 99 | comp | | | ↑ | | |
| 100 | E363721 | 16 32 | 40 20 | #64 | 5m | |
| 101 | comp | | | ↑ | | |
| 102 | E365560 | 16 36 | 40 25 | #64 | 10m | |
| 103 | comp | | | ↑ | | |
| 104 | E365999 | 16 37 | 40 30 | #64 | 10m | |
| 105 | comp | | | ↑ | | |
| 106 | E36600 | 16 34 | 37 49 | #64 | 20m | |
| 107 | comp | | | ↑ | | |
| 108 | E373343 | 16 20 | 40 09 | #64 | 5m | |
| 109 | comp | | | ↑ | | |
| 110 | E374096 | 16 21 | 40 12 | #64 | 5m | |
| 111 | comp | | | ↑ | | |
| 112 | E374294 | 16 22 | 40 07 | #64 | 7m | star to the east |
| 113 | comp | | | ↑ | | |
| 114-115 | H244 | 13 23 | 36 07 | #56 | 2m | 1.97 airmass (for Barbara Carter) |
| 116 | comp | | | ↑ | | |
| 117 | HBC636 | 16 25 | -24 51 | #74 | 1m | |
| 118 | comp | | | ↑ | | |
| 119 | HBC637 | 16 25 | -24 22 | #74 | 30s | |
| 120 | comp | | | ↑ | | |
| 121-122 | AG Dra | 16 01 | 66 48 | #12 | 25, 20 | |
| 123 | comp | | | ↑ | | |

