## Tho anan F

|        |  | SPECTROGRAPH LOG SHEET Sky brightness |         |                     |       |         |       |        |                                 |      |     |                        |  |
|--------|--|---------------------------------------|---------|---------------------|-------|---------|-------|--------|---------------------------------|------|-----|------------------------|--|
|        | Observers: WILLIAMS L PICKERING Instrument: BLUE |                                       |         |                     |       |         |       |        | Conditions: CLEAR - Same Clouds |      |     |                        |  |
|        |  |                                       |         | File prefix: Skyobs |       |         |       |        | Detector Info:                  |      |     |                        |  |
| File # | Target Name                                      | Filter                                | Grating | Slit/Apt            | Ref A | Rot PA  | Exp   | Coadds | UT                              | AM   | HA  | Comments               |  |
| 1      | 9138-31  | None                                  | 3001/pm | 5'X 180°            | 5800  | 15.02   | 7005  |        | 7:41                            | 1.1/ |     | Sprephot standard      |  |
| 2      | II.  |                                       | h.      | - 11                | n.    | 15.     | ¥     |        | 7:49                            | 1.12 |     | Clouds passing through |  |
| 3      | sky_at90_el85                                    |                                       |         |                     |       | -36.36  | 1005  |        | 8:03                            | 1.00 |     | El = 85 Aa = 90        |  |
| 4      | 11   |                                       |         |                     |       | - 10    | 81    |        | 8105                            | 1,00 |     | н                      |  |
| 5      | N.   |                                       |         |                     |       | N.      | R     |        | 8-07                            | 1.00 |     | 14                     |  |
| 6      | 11.  |                                       |         |                     |       | n n     | H     |        | 8:11                            | 1.00 |     | differed 10" in dec    |  |
| 7      | to to  |                                       | 9       |                     | - W   | 61      | 10    | -      |                                 | -    | - / |                        |  |
| 8      | sky-02326_els                                    | /                                     | 7 10    |                     |       | -62.22  | 100   |        | 8:20                            | 2.86 |     | \$ 20 Az = 37.6 Recens |  |
| ٩      | . H  | B. 0                                  |         |                     |       | /It/    | H :   |        | 8-22                            | 2.81 |     |                        |  |
| 10     | k!   | 4                                     |         |                     |       | Į,      | te.   |        |                                 | 2.79 |     |                        |  |
| đΙ     | sky_e237.6_e#5                                   |                                       | -       | - 4                 |       | -101.67 | 1005  |        | 8.30                            | 1.40 |     | el =45 Az = 32.6       |  |
| 12     | 10   |                                       |         |                     |       | .31     | - A   |        | 8133                            | 1,40 |     | offat 10" m a7.        |  |
| 13     | IĘ   |                                       |         |                     |       | b       | 11    |        | 8.35                            | 1.39 |     | offset another 10" az  |  |
| 14     | sky_ez 67.5_e/20                                 |                                       |         |                     |       | -64.05  | 100 5 |        | 8:39                            | 2.91 |     | el=20 Az=67.5 vignelo  |  |
| 15     | II.  |                                       |         |                     |       | 4       | TR    |        | 8:42                            | 2.83 |     | affect =10" are        |  |
| 16     | h  |                                       |         |                     |       | B       | Įt.   |        | 8:45                            | 2.77 |     | K                      |  |
| 17     | sky-02675 d 45                                   |                                       |         |                     |       | -79.67  | 1005  |        | 8:44                            | 1.41 |     | ela45 Az=675 vicheto   |  |
| 15     | ¥I   |                                       |         |                     |       | D.      | 0)    |        | 8152                            | 1.40 |     | el=45 Az=67.5 vigneto  |  |
| 19     | ų  |                                       |         |                     |       | lt.     |       |        | 8:54                            | 1-31 |     |                        |  |

2.0 2.1 2.2