

Date: 2009 Sep 15

## Adaptive Optics/Laser Guide Star Logsheets

Page 1 of 2Observers: Stockton, Shih, Larson

Weather: \_\_\_\_\_

Notes: \_\_\_\_\_

| Obs. Num. | Time UT | Object               | Filter 1 | Filter 2 | Aper | Exp. Time        | Coadd | Reads | Air Mass | AO   |      | Tip/Tilt | Notes               |
|-----------|---------|----------------------|----------|----------|------|------------------|-------|-------|----------|------|------|----------|---------------------|
|           |         |                      |          |          |      |                  |       |       |          | Rate | Gain |          |                     |
| 1-8       | 1:55    | Dark                 |          |          |      | 60 <sup>s</sup>  | 3     | 16    |          |      |      |          |                     |
| 9-11      | 2:55    | Setup for flats      | H        |          |      | 2.9              | 3     | 16    |          |      |      |          |                     |
| 12-16     | 2:59    | H flats - lights on  | "        |          |      | 2.9              | 3     | "     |          |      |      |          |                     |
| 17-21     | 3:01    | " lights off         | "        |          |      | 2.9              | 3     | "     |          |      |      |          |                     |
| 22-26     | 3:05    | K' flats - lights on | K'       |          |      |                  |       | "     |          |      |      |          |                     |
| 27-31     | 3:08    | " lights off         | "        |          |      |                  |       | "     |          |      |      |          |                     |
| 32        | 3:11    | Setup                |          |          |      |                  |       |       |          |      |      |          | For asteroid obs.   |
| 33        | 3:12    | Fe II flat l.on      | Fe II    |          |      | 100 <sup>s</sup> | 1     | 16    |          |      |      |          |                     |
| 34        |         | l.off                | "        |          |      | "                | 1     | 16    |          |      |      |          |                     |
| 35-42     |         | Setup (laser)        |          |          |      |                  |       |       |          |      |      |          |                     |
| 43-44     | 05 33   | 4C19.71 field 2 test | K'       |          |      | 180 <sup>s</sup> | 1     | 16    |          |      |      |          |                     |
| 45-53     | 05 46   | 4C19.71 field 2      | K'       |          |      | 90 <sup>s</sup>  | 2     | 16    | 1.28     |      |      |          |                     |
| 54-62     | 05 57   | "                    | K'       |          |      | "                | "     | "     |          |      |      |          | moved 1" N          |
| 63-71     | 06 47   | "                    | "        |          |      | "                | "     | "     | 1.09     |      |      |          | moved 2" S, 1" E    |
| 72-80     | 7 26    | 4C19.71 field 1      | K'       |          |      | 90 <sup>s</sup>  | 2     | 16    | 1.03     |      |      |          |                     |
| 81-89     | 7 59    | "                    | "        |          |      | "                | "     | "     | 1.00     |      |      |          |                     |
| 88-96     | 8:30    | M15 field            | K'       |          |      | 60 <sup>s</sup>  | 1     | 16    | 1.01     |      |      |          |                     |
| 98-106    | 8:45    | "                    | H        |          |      | 60 <sup>s</sup>  | 1     | 16    | 1.01     |      |      |          | 97 test exp         |
| 107-111   | 9:06    | J221420-005505       | H        |          |      | 90 <sup>s</sup>  | 3     | 16    | 1.07     |      |      |          | Saturated on target |
| 112       |         | " setup              |          |          |      | 20 <sup>s</sup>  | 1     | "     |          |      |      |          |                     |

