



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|-----------|----------------|-----|----------|
| 0001-0010.BIAS | 0 | 20:49 | 05:35:00 | 31:30:00 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0011-0020.BIAS | 0 | 20:52 | 05:35:00 | 31:30:00 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0021-0022.DARK | 900 | 21:09 | 05:35:00 | 31:30:00 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0023.DARK | 900 | 21:29 | 14:48:08.0 | 31:30:18 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0024.DARK | 900 | 21:44 | 15:03:17.0 | 31:30:17 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0025.DARK | 900 | 21:59 | 15:18:29.0 | 31:30:16 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0026.DARK | 1200 | 22:15 | 15:39:28.0 | 31:30:15 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0027.DARK | 1200 | 22:35 | 15:59:44.0 | 31:30:14 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0028.DARK | 1200 | 22:55 | 16:20:00.0 | 31:30:13 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0029.DARK | 1200 | 23:16 | 16:40:17.0 | 31:30:11 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0030.DARK | 1200 | 23:36 | 17:00:36.0 | 31:30:10 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0031-0040.FLAT | 14 | 0:23 | 17:28:23.0 | 31:30:09 | 300 | 90 3.0 | #57 Velocity S | 2 | |
| 0041-0050.FLAT | 7 | 0:30 | 17:35:04.0 | 31:30:09 | 300 | 90 3.0 | #57 Velocity S | 4 | |
| 0051.SNrgc11198 | 900 | 2:18 | 18:18:58.9 | +16:14:53 | 300 | 40 3.0 | #2 SN Observat | 2 | |
| 0052.COMP | 10 | 2:33 | 18:18:58.9 | +16:14:53 | 300 | 40 3.0 | #2 SN Observat | 2 | |
| 0053.HD192281 | 5 | 2:37 | 20:12:33.1 | +40:16:05 | 300 | 90 3.0 | #56 Photometri | 2 | |
| 0054.COMP | 10 | 2:38 | 20:12:33.1 | +40:16:05 | 300 | 90 3.0 | #56 Photometri | 2 | |
| 0055.CygnB2no9 | 20 | 2:56 | 20:33:10.7 | +41:15:08 | 300 | 90 3.0 | #56 Photometri | 2 | clouds |
| 0056.COMP | 10 | 2:56 | 20:33:10.7 | +41:15:08 | 300 | 90 3.0 | #56 Photometri | 2 | |
| 0057.N7331 | 240 | 3:02 | 22:34:46.9 | +34:09:43 | 300 | 90 3.0 | #57 Velocity S | 4 | clouds |



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog

Coll. Focus 1000

Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. Slit | Program | Bin | Comments |
|--------------|----------|----------|------------|-----------|-----|-----------|----------------|-----|----------|
| 0058.COMP | 5 | 3:06 | 22:34:46.9 | +34:09:43 | 300 | 90 | #57 Velocity S | 4 | |
| 0059.i1d2925 | 450 | 3:52 | 19:58:14.3 | 35:24:42 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0060.i1d1063 | 450 | 4:02 | 20:07:28.4 | 35:43:59 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0061.COMP | 10 | 4:10 | 20:07:28.4 | 35:43:59 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0062.i1d1084 | 450 | 4:12 | 20:07:26.5 | 35:44:23 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0063.i1d1780 | 450 | 4:21 | 20:06:04.4 | 35:50:06 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0064.COMP | 10 | 4:29 | 20:06:04.4 | 35:50:06 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0065.i1d2123 | 450 | 4:32 | 20:05:29.5 | 35:34:56 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0066.i1d2124 | 450 | 4:41 | 20:05:26.8 | 35:38:25 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0067.COMP | 10 | 4:49 | 20:05:26.8 | 35:38:25 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0068.i1d2179 | 450 | 4:50 | 20:05:16.3 | 35:44:25 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0069.i1d2260 | 450 | 5:00 | 20:05:05.0 | 35:39:36 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0070.COMP | 10 | 5:12 | 20:05:05.0 | 35:39:36 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0071.i1d2490 | 450 | 5:15 | 20:04:19.0 | 35:39:10 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0072.i1d2494 | 450 | 5:25 | 20:04:18.0 | 35:54:57 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0073.COMP | 10 | 5:33 | 20:04:18.0 | 35:54:57 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0074.i1d2494 | 450 | 5:35 | 20:04:18.0 | 35:54:57 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0075.i1d2601 | 450 | 5:44 | 20:03:56.6 | 35:38:49 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0076.COMP | 10 | 5:52 | 20:03:56.6 | 35:38:49 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0077.i1d2847 | 450 | 5:54 | 19:58:46.5 | 35:20:58 | 300 | 90 | #115 PMS NGC68 | 2 | |



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog

Coll. Focus 1000

Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. Slit | Program | Bin | Comments |
|---------------------|----------|----------|------------|----------|-----|-----------|----------------|-----|----------|
| 0078.i1d1181 | 450 | 6:04 | 20:07:17.9 | 35:37:00 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0079.COMP | 10 | 6:12 | 20:07:17.9 | 35:37:00 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0080.i1d1253 | 450 | 6:13 | 20:07:09.9 | 35:56:24 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0081.i1d1449 | 450 | 6:22 | 20:06:48.3 | 35:42:05 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0082.COMP | 10 | 6:31 | 20:06:48.3 | 35:42:05 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0083.i1d1680 | 450 | 6:32 | 20:06:16.7 | 35:55:10 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0084.i1d1951 | 450 | 6:41 | 20:05:48.2 | 35:42:39 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0085.COMP | 10 | 6:49 | 20:05:48.2 | 35:42:39 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0086.i1d2047 | 450 | 6:52 | 20:05:33.4 | 35:55:03 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0087.i1d2088 | 450 | 7:02 | 20:05:24.7 | 35:47:42 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0088.COMP | 10 | 7:10 | 20:05:24.7 | 35:47:42 | 300 | 90 | #115 PMS NGC68 | 2 | |
| 0089.003648p03030_a | 1200 | 7:13 | 00:39:18.5 | 03:19:50 | 300 | 90 | #113 Galaxy In | 2 | |
| 0090.COMP | 10 | 7:33 | 00:39:18.5 | 03:19:50 | 300 | 90 | #113 Galaxy In | 2 | |
| 0091.003648p03030_b | 1200 | 7:36 | 00:39:04.8 | 03:17:58 | 300 | 90 | #113 Galaxy In | 2 | |
| 0092.COMP | 10 | 7:57 | 00:39:04.8 | 03:17:58 | 300 | 90 | #113 Galaxy In | 2 | |
| 0093.011418p12450_b | 1200 | 8:01 | 01:16:56.2 | 13:00:12 | 300 | 90 | #113 Galaxy In | 2 | |
| 0094.COMP | 10 | 8:21 | 01:16:56.2 | 13:00:12 | 300 | 90 | #113 Galaxy In | 2 | |
| 0095.012630p10530_a | 1200 | 8:25 | 01:29:07.1 | 11:07:53 | 300 | 90 | #113 Galaxy In | 2 | |
| 0096.COMP | 10 | 8:46 | 01:29:07.1 | 11:07:53 | 300 | 90 | #113 Galaxy In | 2 | |
| 0097.012630p10530_b | 1200 | 8:48 | 01:29:11.0 | 11:08:27 | 300 | 90 | #113 Galaxy In | 2 | |



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. Slit | Program | Bin | Comments |
|---------------------|----------|----------|------------|-----------|-----|-----------|----------------|-----|----------|
| 0098.COMP | 10 | 9:09 | 01:29:11.0 | 11:08:27 | 300 | 90 | #113 Galaxy In | 2 | |
| 0099.021836p16200_a | 1200 | 9:12 | 02:21:23.6 | 16:34:01 | 300 | 90 | #113 Galaxy In | 2 | |
| 0100.COMP | 10 | 9:32 | 02:21:23.6 | 16:34:01 | 300 | 90 | #113 Galaxy In | 2 | |
| 0101.021836p16200_b | 1200 | 9:34 | 02:21:24.1 | 16:37:21 | 300 | 90 | #113 Galaxy In | 2 | |
| 0102.COMP | 10 | 9:54 | 02:21:24.1 | 16:37:21 | 300 | 90 | #113 Galaxy In | 2 | |
| 0103.032124p40310_a | 1200 | 9:57 | 03:24:36.4 | 40:41:27 | 300 | 90 | #113 Galaxy In | 2 | |
| 0104.COMP | 10 | 10:17 | 03:24:36.4 | 40:41:27 | 300 | 90 | #113 Galaxy In | 2 | |
| 0105.032124p40310_b | 1200 | 10:20 | 03:24:14.3 | 40:41:27 | 300 | 90 | #113 Galaxy In | 2 | |
| 0106.COMP | 10 | 10:41 | 03:24:14.3 | 40:41:27 | 300 | 90 | #113 Galaxy In | 2 | |
| 0107.032236p40350_c | 1200 | 10:44 | 03:26:01.1 | 40:41:41 | 300 | 90 | #113 Galaxy In | 2 | |
| 0108.COMP | 10 | 11:05 | 03:26:01.1 | 40:41:41 | 300 | 90 | #113 Galaxy In | 2 | |
| 0109.034130p45500_a | 900 | 11:07 | 03:44:58.5 | 45:58:04 | 300 | 90 | #113 Galaxy In | 2 | |
| 0110.COMP | 10 | 11:23 | 03:44:58.5 | 45:58:04 | 300 | 90 | #113 Galaxy In | 2 | |
| 0111.034130p45500_b | 1200 | 11:25 | 03:44:47.1 | 45:59:16 | 300 | 90 | #113 Galaxy In | 2 | |
| 0112.COMP | 10 | 11:46 | 03:44:47.1 | 45:59:16 | 300 | 90 | #113 Galaxy In | 2 | |
| 0113.022048p571954 | 180 | 11:49 | 02:20:48.8 | +57:19:54 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0114.022049p570100 | 180 | 11:53 | 02:20:49.1 | +57:01:00 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0115.COMP | 5 | 11:57 | 02:20:49.1 | +57:01:00 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0116.022049p572045 | 120 | 11:58 | 02:20:49.8 | +57:20:45 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0117.022051p572059 | 180 | 12:02 | 02:20:51.8 | +57:20:59 | 300 | 90 | #83 h/chi Pers | 4 | |



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG

UT Date 2000-09-28 Observers Z. Balog Coll. Focus 1000 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. Slit | Program | Bin | Comments |
|--------------------|----------|----------|------------|-----------|-----|-----------|----------------|-----|----------|
| 0118.COMP | 5 | 12:05 | 02:20:51.8 | +57:20:59 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0119.022052p565621 | 120 | 12:06 | 02:20:52.5 | +56:56:21 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0120.022052p571329 | 120 | 12:12 | 02:20:52.5 | +57:13:30 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0121.COMP | 5 | 12:14 | 02:20:52.5 | +57:13:30 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0122.022052p571818 | 180 | 12:16 | 02:20:52.3 | +57:18:18 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0123.COMP | 5 | 12:35 | 02:20:52.3 | +57:18:18 | 300 | 90 | #83 h/chi Pers | 4 | |
| 0124-0129.sky | 5 | 12:57 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 4 | |
| 0130.COMP | 5 | 13:02 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 4 | |
| 0131-0140.FLAT | 7 | 13:06 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 4 | |
| 0141-0150.FLAT | 14 | 13:16 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 2 | |
| 0151-0160.BIAS | 0 | 13:20 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 2 | |
| 0161-0170.BIAS | 0 | 13:21 | 05:47:15 | 31:30:00 | 300 | 90 | #57 Velocity S | 4 | |