

UT Date 2004-12-19 Observers J HuchraColl. Focus 990 Grating/Grism 300

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments         |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------|
| 0001-0005.BIAS | 0        | 22:57    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0006-0007.DARK | 600      | 23:20    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0008-0017.BIAS | 0        | 23:40    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0018-0027.FLAT | 8        | 23:43    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0028-0037.BIAS | 0        | 23:45    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 2   |                  |
| 0038-0047.FLAT | 16       | 23:51    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 2   |                  |
| 0048.DARK      | 600      | 23:57    | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 2   |                  |
| 0049.COMP      | 5        | 0:58     | 12:28:26.1 | +50:20:54 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0050.Sky       | 150      | 1:09     | 22:35:00.0 | +31:00:00 | 300 | 90   | 3.0  | #57 Standards  | 4   |                  |
| 0051.COMP      | 5        | 1:12     | 22:35:00.0 | +31:00:00 | 300 | 90   | 3.0  | #57 Standards  | 4   |                  |
| 0052.BDp284211 | 60       | 1:15     | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 4   |                  |
| 0053.COMP      | 5        | 1:17     | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 4   |                  |
| 0054.BDp284211 | 90       | 1:21     | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                  |
| 0055.COMP      | 10       | 1:26     | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                  |
| 0056.BDp174708 | 45       | 1:31     | 22:11:31.4 | 18:05:34  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                  |
| 0057.COMP      | 10       | 1:33     | 22:11:31.4 | 18:05:34  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                  |
| 0057.COMP.ms   | 5        | 1:10     | 2:10:00    | 32:00:00  | 300 | 90   | 3.0  | #57 Velocity S | 1   |                  |
| 0058.BDp174708 | 40       | 1:34     | 22:11:31.4 | 18:05:34  | 300 | 90   | 3.0  | #56 Spectropho | 4   | very windy again |
| 0059.COMP      | 5        | 1:35     | 22:11:31.4 | 18:05:34  | 300 | 90   | 3.0  | #56 Spectropho | 4   |                  |
| 0060.N7331     | 300      | 1:40     | 22:34:46.9 | +34:09:43 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                  |

UT Date 2004-12-19 Observers J HuchraColl. Focus 990 Grating/Grism 300

| File                    | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments         |
|-------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------|
| 0061.COMP               | 5        | 1:45     | 22:34:46.9 | +34:09:43 | 300 | 90   | 3.0  | #57 Velocity S | 4   | stopped for wind |
| 0062.DARK               | 900      | 3:26     | 22:34:46.9 | +34:09:43 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                  |
| 0063.2M03544347p2530159 | 900      | 7:22     | 03:54:43.4 | +25:30:15 | 300 | 90   | 3.0  | #141 Mapping t | 4   | seeing awful!    |
| 0064.COMP               | 5        | 7:38     | 03:54:43.4 | +25:30:15 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0065.sn2004gq           | 900      | 7:43     | 05:12:04.8 | -15:40:54 | 300 | 20   | 3.0  | #2 SN Observat | 2   |                  |
| 0066.sn2004gq           | 900      | 7:58     | 05:12:04.8 | -15:40:54 | 300 | 20   | 3.0  | #2 SN Observat | 2   |                  |
| 0067.COMP               | 10       | 8:14     | 05:12:04.8 | -15:40:54 | 300 | 20   | 3.0  | #2 SN Observat | 2   |                  |
| 0068.2M04094563p2802089 | 900      | 8:17     | 04:09:45.6 | +28:02:08 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0069.COMP               | 5        | 8:33     | 04:09:45.6 | +28:02:08 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0070.2M04170956p2702178 | 1200     | 8:34     | 04:17:09.5 | +27:02:17 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0071.COMP               | 5        | 8:54     | 04:17:09.5 | +27:02:17 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0072.2M04291491p1437137 | 900      | 8:58     | 04:29:14.9 | +14:37:13 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0073.COMP               | 5        | 9:15     | 04:29:14.9 | +14:37:13 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0074.2M04352934p6855198 | 720      | 9:18     | 04:35:29.3 | +68:55:19 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0075.COMP               | 5        | 9:31     | 04:35:29.3 | +68:55:19 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0076.2M04352934p6855198 | 900      | 9:32     | 04:35:29.3 | +68:55:19 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0077.COMP               | 5        | 9:47     | 04:35:29.3 | +68:55:19 | 300 | 90   | 3.0  | #141 Mapping t | 4   |                  |
| 0078.sn2004gs           | 1200     | 9:52     | 08:38:23.1 | +17:37:39 | 300 | 0    | 3.0  | #2 SN Observat | 2   |                  |
| 0079.COMP               | 10       | 10:13    | 08:38:23.1 | +17:37:39 | 300 | 0    | 3.0  | #2 SN Observat | 2   |                  |
| 0080.Feige34            | 60       | 10:16    | 10:36:41.2 | 43:21:50  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                  |

UT Date 2004-12-19 Observers J HuchraColl. Focus 990 Grating/Grism 300

| File                    | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments |
|-------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0081.COMP               | 10       | 10:18    | 10:36:41.2 | 43:21:50  | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0082.HD84937            | 25       | 10:19    | 09:48:56.1 | 13:44:39  | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0083.COMP               | 10       | 10:20    | 09:48:56.1 | 13:44:39  | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0084.MRK421             | 200      | 10:22    | 11:04:27.4 | +38:12:32 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |          |
| 0085.COMP               | 5        | 10:26    | 11:04:27.4 | +38:12:32 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |          |
| 0086.2M08315858+5620520 | 780      | 10:27    | 8:31:58.5  | +56:20:52 | 300 | 90   | 3.0  | #141 Mapping t | 4   |          |
| 0087.COMP               | 5        | 10:41    | 8:31:58.5  | +56:20:52 | 300 | 90   | 3.0  | #141 Mapping t | 4   |          |
| 0088.2M08322533+5627550 | 720      | 10:41    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #141 Mapping t | 4   |          |
| 0089.COMP               | 5        | 10:54    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #141 Mapping t | 4   |          |
| 0090-0099.BIAS          | 0        | 10:59    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #56 Spectropho | 4   |          |
| 0100-0109.FLAT          | 8        | 11:02    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #56 Spectropho | 4   |          |
| 0110-0119.BIAS          | 0        | 11:04    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0120-0129.FLAT          | 16       | 11:10    | 8:32:25.3  | +56:27:55 | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |