

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                               |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--|
| 0001.DARK      | 900      | 22:29    | 03:41:42.0 | 31:30:17  | 300 | 90   | 3.0  | #57 Velocity S | 4   | thank you Ted and Bill W for fixing    |
| 0002.DARK      | 900      | 22:44    | 03:56:53.0 | 31:30:18  | 300 | 90   | 3.0  | #57 Velocity S | 4   | yesterday's problems                   |
| 0003.DARK      | 900      | 22:59    | 04:12:03.0 | 31:30:18  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0004.DARK      | 900      | 23:14    | 04:27:14.0 | 31:30:19  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0005.DARK      | 900      | 23:29    | 04:42:21.0 | 31:30:20  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0006.DARK      | 900      | 23:44    | 04:57:32.0 | 31:30:21  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0007.DARK      | 900      | 23:59    | 05:12:42.0 | 31:30:22  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0008.DARK      | 900      | 0:15     | 05:27:53.0 | 31:30:23  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0009.DARK      | 900      | 0:30     | 05:43:03.0 | 31:30:24  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0010.DARK      | 900      | 0:45     | 05:58:10.0 | 31:30:25  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0011-0020.BIAS | 0        | 1:23     | 06:21:39.0 | 31:30:27  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0021-0030.FLAT | 8        | 1:26     | 06:24:46.0 | 31:30:27  | 300 | 90   | 3.0  | #57 Velocity S | 4   |  |
| 0031.BIAS      | 0        | 1:27     | 06:25:42.0 | 31:30:27  | 300 | 90   | 3.0  | #57 Velocity S | 2   | lots of clouds overhead                |
| 0032-0040.BIAS | 0        | 1:29     | 06:27:48.0 | 31:30:27  | 300 | 90   | 3.0  | #57 Velocity S | 2   |  |
| 0041-0048.FLAT | 16       | 1:33     | 06:32:00.0 | 31:30:27  | 300 | 90   | 3.0  | #57 Velocity S | 2   |  |
| 0049-0050.FLAT | 16       | 1:34     | 06:32:57.0 | 31:30:28  | 300 | 90   | 3.0  | #57 Velocity S | 2   |  |
| 0051.FLAT      | 10       | 1:46     | 06:44:53.0 | 31:30:28  | 300 | 90   | 2.0  | #87 IRAC       | 4   | 300-line; 2-sec slit for Megeath/Fazio |
| 0052-0060.FLAT | 10       | 1:49     | 06:47:51.0 | 31:30:29  | 300 | 90   | 2.0  | #87 IRAC       | 4   |  |
| 0061.HD45807   | 15       | 2:23     | 06:29:09.5 | -11:40:37 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |  |
| 0062.HD45807   | 15       | 2:24     | 06:29:09.5 | -11:40:37 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |  |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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|-------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0063.HD45807      | 30       | 2:24     | 06:29:09.5 | -11:40:37 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0064.COMP         | 5        | 2:25     | 06:29:09.5 | -11:40:37 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0065.HD46379      | 15       | 2:26     | 06:32:46.4 | -05:51:35 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0066.HD46379      | 30       | 2:27     | 06:32:46.4 | -05:51:35 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0067.HD46379      | 30       | 2:27     | 06:32:46.4 | -05:51:35 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0068.COMP         | 5        | 2:28     | 06:32:46.4 | -05:51:35 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0069.HD36937south | 30       | 2:30     | 05:30:26.7 | -22:39:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0070.HD36937south | 45       | 2:31     | 05:30:26.7 | -22:39:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0071.HD36937south | 45       | 2:32     | 05:30:26.7 | -22:39:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0072.COMP         | 5        | 2:33     | 05:30:26.7 | -22:39:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0073.HD36937      | 15       | 2:34     | 5:35:00    | -04:31:36 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0074.HD36937      | 15       | 2:35     | 5:35:00    | -04:31:36 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0075.HD36937      | 15       | 2:35     | 5:35:00    | -04:31:36 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0076.COMP         | 5        | 2:36     | 5:35:00    | -04:31:36 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0077.HD52869      | 15       | 2:37     | 7:02:46.1  | -1:49:15  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0078.HD52869      | 15       | 2:37     | 7:02:46.1  | -1:49:15  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0079.HD52869      | 15       | 2:38     | 7:02:46.1  | -1:49:15  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0080.COMP         | 5        | 2:38     | 7:02:46.1  | -1:49:15  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0081.Hiltner600   | 60       | 2:40     | 6:42:37.2  | 02:11:25  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0082.Hiltner600   | 60       | 2:41     | 6:42:37.2  | 02:11:25  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File          | Exp Time | UT Start | RA        | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|---------------|----------|----------|-----------|-----------|-----|------|------|----------------|-----|----------|
| 0083.COMP     | 5        | 2:42     | 6:42:37.2 | 02:11:25  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0084.HD52430  | 15       | 2:43     | 7:01:17.4 | 2:32:34   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0085.HD52430  | 15       | 2:44     | 7:01:17.4 | 2:32:34   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0086.HD52430  | 15       | 2:44     | 7:01:17.4 | 2:32:34   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0087.COMP     | 5        | 2:45     | 7:01:17.4 | 2:32:34   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0088.HD52386  | 20       | 2:46     | 7:00:30.0 | -11:26:59 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0089.HD52386  | 20       | 2:47     | 7:00:30.0 | -11:26:59 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0090.HD52386  | 20       | 2:48     | 7:00:30.0 | -11:26:59 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0091.COMP     | 5        | 2:48     | 7:00:30.0 | -11:26:59 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0092.HD56229  | 20       | 2:49     | 7:16:00.1 | -7:10:35  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0093.HD56229  | 20       | 2:50     | 7:16:00.1 | -7:10:35  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0094.HD56229  | 20       | 2:50     | 7:16:00.1 | -7:10:35  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0095.COMP     | 5        | 2:51     | 7:16:00.1 | -7:10:35  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0096.HD53120N | 20       | 2:52     | 7:03:30.3 | -8:27:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0097.HD53120N | 20       | 2:53     | 7:03:30.3 | -8:27:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0098.HD53120S | 20       | 2:53     | 7:03:30.3 | -8:27:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0099.HD53120S | 20       | 2:54     | 7:03:30.3 | -8:27:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0100.COMP     | 5        | 2:55     | 7:03:30.3 | -8:27:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0101.HD54570  | 20       | 2:55     | 7:09:08.9 | -4:55:31  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0102.HD54570  | 10       | 2:56     | 7:09:08.9 | -4:55:31  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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|--------------|-----------------|-----------------|-----------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0103.HD54570 | 10              | 2:56            | 7:09:08.9 | -4:55:31   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0104.COMP    | 5               | 2:57            | 7:09:08.9 | -4:55:31   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0105.HD56181 | 10              | 2:59            | 7:15:54.0 | -4:24:59   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0106.HD56181 | 10              | 2:59            | 7:15:54.0 | -4:24:59   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0107.HD56181 | 10              | 2:59            | 7:15:54.0 | -4:24:59   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0108.COMP    | 5               | 3:00            | 7:15:54.0 | -4:24:59   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0109.HD53482 | 15              | 3:01            | 7:04:58.2 | -5:47:57   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0110.HD53482 | 15              | 3:01            | 7:04:58.2 | -5:47:57   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0111.HD53482 | 15              | 3:02            | 7:04:58.2 | -5:47:57   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0112.COMP    | 5               | 3:03            | 7:04:58.2 | -5:47:57   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0113.HD56004 | 30              | 3:03            | 7:15:13.4 | -4:35:35   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0114.HD56004 | 30              | 3:04            | 7:15:13.4 | -4:35:35   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0115.HD56004 | 30              | 3:05            | 7:15:13.4 | -4:35:35   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0116.COMP    | 5               | 3:05            | 7:15:13.4 | -4:35:35   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0117.HD55513 | 20              | 3:06            | 7:13:05.4 | -2:21:49   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0118.HD55513 | 20              | 3:07            | 7:13:05.4 | -2:21:49   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0119.HD55513 | 20              | 3:07            | 7:13:05.4 | -2:21:49   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0120.COMP    | 5               | 3:08            | 7:13:05.4 | -2:21:49   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0121.HD56492 | 20              | 3:08            | 7:17:01.3 | -6:14:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0122.HD56492 | 10              | 3:09            | 7:17:01.3 | -6:14:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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|---------------|----------|----------|-----------|----------|-----|------|------|----------------|-----|----------|
| 0123.HD56492  | 10       | 3:09     | 7:17:01.3 | -6:14:17 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0124.COMP     | 5        | 3:10     | 7:17:01.3 | -6:14:17 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0125.HD55807  | 10       | 3:11     | 7:14:33.5 | 0:18:52  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0126.HD55807  | 15       | 3:11     | 7:14:33.5 | 0:18:52  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0127.HD55807  | 15       | 3:11     | 7:14:33.5 | 0:18:52  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0128.COMP     | 5        | 3:12     | 7:14:33.5 | 0:18:52  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0129.HD58811  | 15       | 3:13     | 7:27:05.6 | -4:58:03 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0130.HD58811  | 15       | 3:13     | 7:27:05.6 | -4:58:03 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0131.HD58811  | 15       | 3:14     | 7:27:05.6 | -4:58:03 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0132.COMP     | 5        | 3:14     | 7:27:05.6 | -4:58:03 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0133.HD57748  | 15       | 3:15     | 7:22:25.7 | -5:13:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   | clearing |
| 0134.HD57748  | 15       | 3:15     | 7:22:25.7 | -5:13:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0135.HD57748  | 15       | 3:16     | 7:22:25.7 | -5:13:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0136.COMP     | 5        | 3:16     | 7:22:25.7 | -5:13:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0137.HD59065  | 10       | 3:17     | 7:28:11.2 | -3:05:52 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0138.HD59065  | 10       | 3:18     | 7:28:11.2 | -3:05:52 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0139.HD59065  | 10       | 3:18     | 7:28:11.2 | -3:05:52 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0140.COMP     | 5        | 3:18     | 7:28:11.2 | -3:05:52 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0141.HD55731N | 20       | 3:19     | 7:14:14.2 | 4:12:27  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0142.HD55731N | 20       | 3:20     | 7:14:14.2 | 4:12:27  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

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|-----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0143.HD55731S   | 10              | 3:21            | 7:14:14.2  | 4:12:27    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0144.HD55731S   | 10              | 3:21            | 7:14:14.2  | 4:12:27    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0145.HD55731S   | 20              | 3:21            | 7:14:14.2  | 4:12:27    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0146.COMP       | 5               | 3:22            | 7:14:14.2  | 4:12:27    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0147.HD58273    | 10              | 3:23            | 7:25:05.5  | 4:22:05    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0148.HD58273    | 15              | 3:23            | 7:25:05.5  | 4:22:05    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0149.HD58273    | 15              | 3:24            | 7:25:05.5  | 4:22:05    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0150.COMP       | 5               | 3:24            | 7:25:05.5  | 4:22:05    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0151.Hiltner600 | 60              | 3:25            | 6:42:37.2  | 2:11:25    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0152.Hiltner600 | 60              | 3:26            | 6:42:37.2  | 2:11:25    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0153.COMP       | 5               | 3:28            | 6:42:37.2  | 2:11:25    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0154.BDp33_1356 | 4               | 3:30            | 06:33:42.7 | +33:01:26  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0155.BDp33_1356 | 4               | 3:31            | 06:33:42.7 | +33:01:26  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0156.BDp33_1356 | 4               | 3:31            | 06:33:42.7 | +33:01:26  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0157.COMP       | 5               | 3:31            | 06:33:42.7 | +33:01:26  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0158.BDp15_1541 | 4               | 3:33            | 07:20:06.8 | +15:08:35  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0159.BDp15_1541 | 4               | 3:33            | 07:20:06.8 | +15:08:35  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0160.BDp15_1541 | 2               | 3:33            | 07:20:06.8 | +15:08:35  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0161.COMP       | 5               | 3:34            | 07:20:06.8 | +15:08:35  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0162.BDp23_1698 | 4               | 3:34            | 07:23:28.1 | +22:56:43  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>     | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|-----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0163.BDp23_1698 | 2               | 3:35            | 07:23:28.1 | +22:56:43  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0164.BDp23_1698 | 2               | 3:35            | 07:23:28.1 | +22:56:43  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0165.COMP       | 5               | 3:35            | 07:23:28.1 | +22:56:43  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0166.BDp20_1893 | 4               | 3:36            | 07:45:09.3 | +20:18:58  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0167.BDp20_1893 | 2               | 3:37            | 07:45:09.3 | +20:18:58  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0168.BDp20_1893 | 2               | 3:37            | 07:45:09.3 | +20:18:58  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0169.COMP       | 5               | 3:37            | 07:45:09.3 | +20:18:58  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0170.BDp25_1816 | 2               | 3:38            | 08:01:43.8 | +25:05:22  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0171.BDp25_1816 | 2               | 3:38            | 08:01:43.8 | +25:05:22  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0172.BDp25_1816 | 2               | 3:39            | 08:01:43.8 | +25:05:22  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0173.COMP       | 5               | 3:39            | 08:01:43.8 | +25:05:22  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0174.BDp15_2027 | 2               | 3:40            | 09:21:15.3 | +15:22:17  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0175.BDp15_2027 | 2               | 3:40            | 09:21:15.3 | +15:22:17  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0176.BDp15_2027 | 2               | 3:40            | 09:21:15.3 | +15:22:17  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0177.COMP       | 5               | 3:41            | 09:21:15.3 | +15:22:17  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0178.HD79320    | 4               | 3:42            | 9:13:24.8  | 3:49:28    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0179.HD79320    | 4               | 3:42            | 9:13:24.8  | 3:49:28    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0180.HD79320    | 4               | 3:42            | 9:13:24.8  | 3:49:28    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0181.COMP       | 5               | 3:43            | 9:13:24.8  | 3:49:28    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0182.HD75751    | 10              | 3:44            | 08:51:47.2 | -01:01:34  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>  | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|--------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0183.HD75751 | 20              | 3:44            | 08:51:47.2 | -01:01:34  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0184.HD75751 | 20              | 3:45            | 08:51:47.2 | -01:01:34  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0185.COMP    | 5               | 3:45            | 08:51:47.2 | -01:01:34  | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0186.HD75597 | 20              | 3:46            | 8:50:44.4  | -3:29:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0187.HD75597 | 20              | 3:47            | 8:50:44.4  | -3:29:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0188.HD75597 | 20              | 3:47            | 8:50:44.4  | -3:29:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0189.COMP    | 5               | 3:48            | 8:50:44.4  | -3:29:17   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0190.HD78555 | 20              | 3:48            | 9:08:48.2  | -5:14:08   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0191.HD78555 | 20              | 3:49            | 9:08:48.2  | -5:14:08   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0192.HD78555 | 20              | 3:50            | 9:08:48.2  | -5:14:08   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0193.COMP    | 5               | 3:50            | 9:08:48.2  | -5:14:08   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0194.HD81390 | 10              | 3:51            | 9:25:18.6  | -0:50:13   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0195.HD81390 | 10              | 3:51            | 9:25:18.6  | -0:50:13   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0196.HD81390 | 10              | 3:52            | 9:25:18.6  | -0:50:13   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0197.COMP    | 5               | 3:52            | 9:25:18.6  | -0:50:13   | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0198.HD84543 | 10              | 3:53            | 9:46:05.4  | 3:26:29    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0199.HD84543 | 10              | 3:54            | 9:46:05.4  | 3:26:29    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0200.HD84543 | 10              | 3:54            | 9:46:05.4  | 3:26:29    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0201.COMP    | 5               | 3:55            | 9:46:05.4  | 3:26:29    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |
| 0202.HD86027 | 10              | 3:55            | 9:55:59.5  | 2:47:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                 |



UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments           |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0203.HD86027   | 10       | 3:56     | 9:55:59.5  | 2:47:54   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0204.HD86027   | 10       | 3:56     | 9:55:59.5  | 2:47:54   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0205.COMP      | 5        | 3:57     | 9:55:59.5  | 2:47:54   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0206.HD86563   | 10       | 3:57     | 9:59:22.8  | 2:57:50   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   | windy!             |
| 0207.HD86563   | 15       | 3:58     | 9:59:22.8  | 2:57:50   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0208.HD86563   | 15       | 3:58     | 9:59:22.8  | 2:57:50   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0209.COMP      | 5        | 3:59     | 9:59:22.8  | 2:57:50   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0210.HD86828   | 15       | 3:59     | 10:01:14.4 | 3:17:07   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0211.HD86828   | 30       | 4:00     | 10:01:14.4 | 3:17:07   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0212.HD86828   | 30       | 4:02     | 10:01:14.4 | 3:17:07   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0213.COMP      | 5        | 4:03     | 10:01:14.4 | 3:17:07   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0214.Feige34   | 90       | 4:04     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0215.Feige34   | 90       | 4:06     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0216.COMP      | 5        | 4:08     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0217.BIAS      | 0        | 4:10     | 9:0:0      | 30:0:0    | 300 | 90   | 3.0  | #87 IRAC Stars | 4   |                    |
| 0218.SN2001C   | 1200     | 4:15     | 06:59:36.1 | +59:31:01 | 300 | 110  | 3.0  | #2 SN Observat | 2   | 3-sec slit back in |
| 0219.COMP      | 10       | 4:35     | 06:59:36.1 | +59:31:01 | 300 | 110  | 3.0  | #2 SN Observat | 2   |                    |
| 0220.SNmCG8    | 1200     | 4:38     | 9:34:31.0  | 46:27:38  | 300 | -5   | 3.0  | #2 SN Observat | 2   | early II           |
| 0221.COMP      | 10       | 4:59     | 9:34:31.0  | 46:27:38  | 300 | -5   | 3.0  | #2 SN Observat | 2   |                    |
| 0222.SNugc6211 | 1200     | 5:02     | 11:10:29.8 | 55:09:39  | 300 | 30   | 3.0  | #2 SN Observat | 2   | early Ia           |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>    | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i>    |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|--------------------|
| 0223.COMP      | 10              | 5:23            | 11:10:29.8 | 55:09:39   | 300        | 30          | 3.0         | #2 SN Observat | 2          |                    |
| 0224.Feige34   | 90              | 5:25            | 10:36:41.2 | 43:21:50   | 300        | 15          | 3.0         | #56 Spectropho | 2          |                    |
| 0225.Feige34   | 90              | 5:26            | 10:36:41.2 | 43:21:50   | 300        | 15          | 3.0         | #56 Spectropho | 2          |                    |
| 0226.COMP      | 10              | 5:29            | 10:36:41.2 | 43:21:50   | 300        | 15          | 3.0         | #56 Spectropho | 2          |                    |
| 0227-0231.FLAT | 16              | 5:32            | 10:36:41.2 | 43:21:50   | 300        | 15          | 3.0         | #56 Spectropho | 2          |                    |
| 0232.BIAS      | 0               | 5:34            | 10:30:00   | 30:0:0     | 300        | 90          | 2.0         | #56 Spectropho | 4          |                    |
| 0233.FLAT      | 10              | 5:34            | 10:30:00   | 30:0:0     | 300        | 90          | 2.0         | #56 Spectropho | 4          | 2-sec slit back in |
| 0234-0237.FLAT | 10              | 5:35            | 10:30:00   | 30:0:0     | 300        | 90          | 2.0         | #56 Spectropho | 4          |                    |
| 0238.HD88708   | 15              | 5:36            | 10:14:00.7 | 0:28:07    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0239.HD88708   | 30              | 5:37            | 10:14:00.7 | 0:28:07    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0240.HD88708   | 30              | 5:38            | 10:14:00.7 | 0:28:07    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0241.COMP      | 5               | 5:39            | 10:14:00.7 | 0:28:07    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0242.HD89562   | 20              | 5:39            | 10:20:08.8 | 3:11:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0243.HD89562   | 20              | 5:40            | 10:20:08.8 | 3:11:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0244.HD89562   | 20              | 5:40            | 10:20:08.8 | 3:11:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0245.HD89562   | 20              | 5:41            | 10:20:08.8 | 3:11:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0246.COMP      | 5               | 5:42            | 10:20:08.8 | 3:11:54    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0247.HD89823   | 20              | 5:43            | 10:22:05.6 | 1:09:40    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0248.HD89823   | 20              | 5:44            | 10:22:05.6 | 1:09:40    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |
| 0249.HD89823   | 20              | 5:44            | 10:22:05.6 | 1:09:40    | 300        | 90          | 2.0         | #87 IRAC Stars | 4          |                    |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File         | Exp Time | UT Start | RA         | Dec      | Gr. | P.A. | Slit | Program        | Bin | Comments |
|--------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0250.COMP    | 5        | 5:45     | 10:22:05.6 | 1:09:40  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0251.HD89907 | 20       | 5:45     | 10:22:36.4 | 2:47:47  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0252.HD89907 | 20       | 5:46     | 10:22:36.4 | 2:47:47  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0253.HD89907 | 20       | 5:46     | 10:22:36.4 | 2:47:47  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0254.COMP    | 5        | 5:47     | 10:22:36.4 | 2:47:47  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0255.HD90593 | 20       | 5:48     | 10:27:44.0 | 4:28:20  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0256.HD90593 | 20       | 5:48     | 10:27:44.0 | 4:28:20  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0257.HD90593 | 20       | 5:49     | 10:27:44.0 | 4:28:20  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0258.COMP    | 5        | 5:49     | 10:27:44.0 | 4:28:20  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0259.HD96576 | 20       | 5:50     | 11:07:30.8 | -4:38:53 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0260.HD96576 | 20       | 5:51     | 11:07:30.8 | -4:38:53 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0261.HD96576 | 20       | 5:51     | 11:07:30.8 | -4:38:53 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0262.COMP    | 5        | 5:52     | 11:07:30.8 | -4:38:53 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0263.HD97340 | 20       | 5:52     | 11:12:10.4 | -0:24:34 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0264.HD97340 | 10       | 5:53     | 11:12:10.4 | -0:24:34 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0265.HD97340 | 10       | 5:53     | 11:12:10.4 | -0:24:34 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0266.COMP    | 5        | 5:54     | 11:12:10.4 | -0:24:34 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0267.HD97373 | 20       | 5:54     | 11:12:24.4 | -0:47:26 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0268.HD97373 | 20       | 5:55     | 11:12:24.4 | -0:47:26 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0269.HD97373 | 20       | 5:56     | 11:12:24.4 | -0:47:26 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File          | Exp Time | UT Start | RA         | Dec      | Gr. | P.A. | Slit | Program        | Bin | Comments |
|---------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0270.COMP     | 5        | 5:56     | 11:12:24.4 | -0:47:26 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0271.HD97180  | 20       | 5:57     | 11:11:08.8 | -5:19:18 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0272.HD97180  | 15       | 5:58     | 11:11:08.8 | -5:19:18 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0273.HD97180  | 15       | 5:58     | 11:11:08.8 | -5:19:18 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0274.COMP     | 5        | 5:59     | 11:11:08.8 | -5:19:18 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0275.HD97198  | 20       | 5:59     | 11:11:16.2 | -5:28:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0276.HD97198  | 10       | 6:00     | 11:11:16.2 | -5:28:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0277.HD97198  | 10       | 6:00     | 11:11:16.2 | -5:28:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0278.COMP     | 5        | 6:01     | 11:11:16.2 | -5:28:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0279.HD99776  | 10       | 6:01     | 11:28:38.9 | -3:22:38 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0280.HD99776  | 15       | 6:02     | 11:28:38.9 | -3:22:38 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0281.HD99776  | 15       | 6:02     | 11:28:38.9 | -3:22:38 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0282.COMP     | 5        | 6:03     | 11:28:38.9 | -3:22:38 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0283.HD100630 | 20       | 6:03     | 11:34:45.3 | -4:57:15 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0284.HD100630 | 10       | 6:04     | 11:34:45.3 | -4:57:15 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0285.HD100630 | 10       | 6:04     | 11:34:45.3 | -4:57:15 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0286.COMP     | 5        | 6:05     | 11:34:45.3 | -4:57:15 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0287.HD99848  | 10       | 6:07     | 11:29:11.3 | -6:41:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0288.HD99848  | 20       | 6:07     | 11:29:11.3 | -6:41:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0289.HD99848  | 20       | 6:08     | 11:29:11.3 | -6:41:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File          | Exp Time | UT Start | RA         | Dec      | Gr. | P.A. | Slit | Program        | Bin | Comments |
|---------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0290.COMP     | 5        | 6:08     | 11:29:11.3 | -6:41:54 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0291.HD99968  | 20       | 6:09     | 11:30:03.1 | -6:50:04 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0292.HD99968  | 20       | 6:09     | 11:30:03.1 | -6:50:04 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0293.HD99968  | 30       | 6:10     | 11:30:03.1 | -6:50:04 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0294.COMP     | 5        | 6:11     | 11:30:03.1 | -6:50:04 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0295.HD100019 | 20       | 6:11     | 11:30:29.9 | -4:41:28 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0296.HD100019 | 20       | 6:12     | 11:30:29.9 | -4:41:28 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0297.HD100019 | 30       | 6:12     | 11:30:29.9 | -4:41:28 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0298.COMP     | 5        | 6:13     | 11:30:29.9 | -4:41:28 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0299.HD100619 | 30       | 6:14     | 11:34:40.3 | -5:35:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0300.HD100619 | 30       | 6:15     | 11:34:40.3 | -5:35:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0301.HD100619 | 30       | 6:15     | 11:34:40.3 | -5:35:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0302.COMP     | 5        | 6:16     | 11:34:40.3 | -5:35:25 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0303.HD102016 | 30       | 6:17     | 11:44:26.3 | -0:22:44 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0304.HD102016 | 30       | 6:17     | 11:44:26.3 | -0:22:44 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0305.HD102016 | 30       | 6:18     | 11:44:26.3 | -0:22:44 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0306.COMP     | 5        | 6:19     | 11:44:26.3 | -0:22:44 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0307.HD102058 | 30       | 6:19     | 11:44:45.4 | -0:05:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0308.HD102058 | 30       | 6:20     | 11:44:45.4 | -0:05:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |
| 0309.HD102058 | 30       | 6:21     | 11:44:45.4 | -0:05:13 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |          |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File          | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments           |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0310.COMP     | 5        | 6:22     | 11:44:45.4 | -0:05:13  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0311.HD104183 | 30       | 6:22     | 11:59:56.7 | 0:54:11   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0312.HD104183 | 45       | 6:23     | 11:59:56.7 | 0:54:11   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0313.HD104183 | 45       | 6:24     | 11:59:56.7 | 0:54:11   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0314.COMP     | 5        | 6:25     | 11:59:56.7 | 0:54:11   | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0315.HD109898 | 30       | 6:26     | 12:38:29.4 | -11:26:47 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0316.HD109898 | 45       | 6:27     | 12:38:29.4 | -11:26:47 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0317.HD109898 | 45       | 6:28     | 12:38:29.4 | -11:26:47 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0318.COMP     | 5        | 6:29     | 12:38:29.4 | -11:26:47 | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0319.Feige34  | 90       | 6:31     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0320.Feige34  | 90       | 6:32     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0321.COMP     | 5        | 6:34     | 10:36:41.2 | 43:21:50  | 300 | 90   | 2.0  | #87 IRAC Stars | 4   |                    |
| 0322.BIAS     | 0        | 6:36     | 11:40:00   | 30:0:0    | 300 | 90   | 3.0  | #87 IRAC Stars | 4   | 3-sec slit back in |
| 0323.N4051    | 120      | 6:36     | 12:03:09.7 | +44:31:53 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0324.N4051    | 120      | 6:39     | 12:03:09.7 | +44:31:53 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0325.COMP     | 5        | 6:41     | 12:03:09.7 | +44:31:53 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0326.N4151    | 30       | 6:42     | 12:10:32.6 | +39:24:21 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0327.N4151    | 30       | 6:42     | 12:10:32.6 | +39:24:21 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0328.N4151    | 30       | 6:43     | 12:10:32.6 | +39:24:21 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |
| 0329.COMP     | 5        | 6:44     | 12:10:32.6 | +39:24:21 | 300 | 90   | 3.0  | #6 AGN Monitor | 4   |                    |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>         | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|---------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0330.SN2001V        | 1200            | 6:46            | 11:57:25.0 | 25:12:10   | 300        | 0           | 3.0         | #2 SN Observat | 2          |                 |
| 0331.COMP           | 10              | 7:07            | 11:57:25.0 | 25:12:10   | 300        | 0           | 3.0         | #2 SN Observat | 2          |                 |
| 0332.115500-00580_a | 1200            | 7:09            | 11:57:31.7 | -01:15:10  | 300        | 90          | 3.0         | #113 Galaxy In | 4          | seeing worse    |
| 0333.COMP           | 5               | 7:30            | 11:57:31.7 | -01:15:10  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0334.115500-00580_b | 1200            | 7:33            | 11:57:31.2 | -01:17:13  | 300        | 90          | 3.0         | #113 Galaxy In | 4          | high cz         |
| 0335.COMP           | 5               | 7:53            | 11:57:31.2 | -01:17:13  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0336.120206+11190_a | 1200            | 7:54            | 12:04:38.6 | 11:02:59   | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0337.COMP           | 5               | 8:14            | 12:04:38.6 | 11:02:59   | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0338.120206+11190_b | 660             | 8:15            | 12:04:43.9 | 11:01:58   | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0339.COMP           | 5               | 8:26            | 12:04:43.9 | 11:01:58   | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0340.HZ44           | 120             | 8:27            | 13:21:19.0 | 36:23:39   | 300        | 90          | 3.0         | #56 Spectropho | 2          |                 |
| 0341.HZ44           | 120             | 8:29            | 13:21:19.0 | 36:23:39   | 300        | 90          | 3.0         | #56 Spectropho | 2          |                 |
| 0342.COMP           | 10              | 8:32            | 13:21:19.0 | 36:23:39   | 300        | 90          | 3.0         | #56 Spectropho | 2          |                 |
| 0343.125818-01050_a | 1200            | 8:33            | 13:00:54.4 | -01:20:47  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0344.COMP           | 5               | 8:54            | 13:00:54.4 | -01:20:47  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0345.125818-01050_b | 900             | 8:54            | 13:00:49.0 | -01:21:37  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0346.COMP           | 5               | 9:10            | 13:00:49.0 | -01:21:37  | 300        | 90          | 3.0         | #113 Galaxy In | 4          |                 |
| 0347.TXCVn          | 10              | 9:11            | 12:44:42   | 36:45:48   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                 |
| 0348.TXCVn          | 30              | 9:12            | 12:44:42   | 36:45:48   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                 |
| 0349.TXCVn          | 30              | 9:12            | 12:44:42   | 36:45:48   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                 |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File                | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                      |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------------|
| 0350.COMP           | 5        | 9:13     | 12:44:42   | 36:45:48  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |                               |
| 0351.RWHya          | 5        | 9:16     | 13:34:18   | -25:22:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0352.RWHya          | 2        | 9:17     | 13:34:18   | -25:22:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0353.RWHya          | 15       | 9:17     | 13:34:18   | -25:22:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0354.RWHya          | 30       | 9:18     | 13:34:18   | -25:22:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0355.COMP           | 5        | 9:19     | 13:34:18   | -25:22:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0356.BD21d3873      | 10       | 9:19     | 14:16:34   | -21:45:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0357.BD21d3873      | 20       | 9:20     | 14:16:34   | -21:45:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0358.BD21d3873      | 90       | 9:21     | 14:16:34   | -21:45:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0359.COMP           | 5        | 9:23     | 14:16:34   | -21:45:51 | 300 | 0    | 3.0  | #12 Symbiotic  | 4   |                               |
| 0360.142506+03100_b | 900      | 9:25     | 14:27:37.9 | 02:58:54  | 300 | 0    | 3.0  | #113 Galaxy In | 4   | seeing better                 |
| 0361.COMP           | 5        | 9:40     | 14:27:37.9 | 02:58:54  | 300 | 0    | 3.0  | #113 Galaxy In | 4   |                               |
| 0362.143300+23110_b | 540      | 9:42     | 14:35:25.1 | 22:56:05  | 300 | 90   | 3.0  | #113 Galaxy In | 4   |                               |
| 0363.COMP           | 5        | 9:51     | 14:35:25.1 | 22:56:05  | 300 | 90   | 3.0  | #113 Galaxy In | 4   |                               |
| 0364.144648+22240_b | 600      | 9:52     | 14:49:02.7 | 22:10:04  | 300 | 90   | 3.0  | #113 Galaxy In | 4   |                               |
| 0365.COMP           | 5        | 10:02    | 14:49:02.7 | 22:10:04  | 300 | 90   | 3.0  | #113 Galaxy In | 4   |                               |
| 0366.sheep31a       | 1200     | 10:03    | 13:54:08.5 | +33:40:22 | 300 | 90   | 3.0  | #125 Hard X-Ra | 4   | M*                            |
| 0367.COMP           | 5        | 10:24    | 13:54:08.5 | +33:40:22 | 300 | 90   | 3.0  | #125 Hard X-Ra | 4   |                               |
| 0368.sheep33_b      | 1200     | 10:25    | 14:26:52.6 | +26:19:25 | 300 | 90   | 3.0  | #125 Hard X-Ra | 4   | H+K @ 5000A?; M* in slit to E |
| 0369.COMP           | 5        | 10:45    | 14:26:52.6 | +26:19:25 | 300 | 90   | 3.0  | #125 Hard X-Ra | 4   | may need another 40-min?      |



UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>   | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i>         |
|---------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-------------------------|
| 0370.sheep33  | 1200            | 10:46           | 14:26:52.6 | +26:19:25  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          |                         |
| 0371.COMP     | 5               | 11:06           | 14:26:52.6 | +26:19:25  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          |                         |
| 0372.sheep47  | 1200            | 11:07           | 14:28:07.7 | +23:37:23  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          |                         |
| 0373.COMP     | 5               | 11:28           | 14:28:07.7 | +23:37:23  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          |                         |
| 0374.sheep80  | 30              | 11:28           | 14:26:56.6 | +23:36:54  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          | clouds in the fast west |
| 0375.COMP     | 5               | 11:29           | 14:26:56.6 | +23:36:54  | 300        | 90          | 3.0         | #125 Hard X-Ra | 4          |                         |
| 0376.HD154791 | 1               | 11:30           | 17:06:34   | 23:58:17   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0377.HD154791 | 2               | 11:31           | 17:06:34   | 23:58:17   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0378.HD154791 | 2               | 11:31           | 17:06:34   | 23:58:17   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0379.HD154791 | 6               | 11:32           | 17:06:34   | 23:58:17   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0380.COMP     | 5               | 11:32           | 17:06:34   | 23:58:17   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0381.DracoC1  | 900             | 11:33           | 17:19:58   | 57:50:06   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0382.COMP     | 5               | 11:49           | 17:19:58   | 57:50:06   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0383.YYHer    | 10              | 11:50           | 18:14:34   | 20:59:19   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0384.YYHer    | 30              | 11:50           | 18:14:34   | 20:59:19   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0385.YYHer    | 360             | 11:51           | 18:14:34   | 20:59:19   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0386.COMP     | 5               | 11:57           | 18:14:34   | 20:59:19   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0387.S149     | 10              | 11:58           | 18:18:56   | 27:26:27   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0388.S149     | 30              | 11:59           | 18:18:56   | 27:26:27   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |
| 0389.S149     | 360             | 11:59           | 18:18:56   | 27:26:27   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                         |

UT Date 2001-03-28 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| <i>File</i>    | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i>                  |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|----------------------------------|
| 0390.COMP      | 5               | 12:06           | 18:18:56   | 27:26:27   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                                  |
| 0391.N5866     | 180             | 12:07           | 15:05:07.2 | +55:57:18  | 300        | 90          | 3.0         | #57 Velocity S | 4          | clouds moving in fast @ twilight |
| 0392.COMP      | 5               | 12:10           | 15:05:07.2 | +55:57:18  | 300        | 90          | 3.0         | #57 Velocity S | 4          |                                  |
| 0393.BDp332642 | 60              | 12:11           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #56 Spectropho | 4          |                                  |
| 0394.BDp332642 | 120             | 12:12           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #56 Spectropho | 4          |                                  |
| 0395.COMP      | 5               | 12:15           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #56 Spectropho | 4          |                                  |
| 0396-0405.BIAS | 0               | 12:19           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                                  |
| 0406-0415.FLAT | 8               | 12:22           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #12 Symbiotic  | 4          |                                  |
| 0416-0425.BIAS | 0               | 12:24           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #12 Symbiotic  | 2          |                                  |
| 0426-0435.FLAT | 16              | 12:29           | 15:50:03   | 33:05:49   | 300        | 90          | 3.0         | #12 Symbiotic  | 2          |                                  |