

UT Date 2004-06-10 Observers CalkinsColl. Focus 1020 Grating/Grism 300

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments                |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------|
| 0001.DARK      | 900      | 21:56    | 08:01:28.6 | +31:30:24 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0002.DARK      | 900      | 22:11    | 08:16:38.2 | +31:30:28 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0003.DARK      | 900      | 22:26    | 08:31:47.8 | +31:30:33 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0004.DARK      | 900      | 22:41    | 08:46:57.4 | +31:30:37 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0005.DARK      | 900      | 22:56    | 09:02:07.2 | +31:30:41 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0006.DARK      | 900      | 23:11    | 09:17:13.7 | +31:30:45 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0007.DARK      | 900      | 23:27    | 09:32:23.1 | +31:30:48 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0008.DARK      | 900      | 23:42    | 09:47:32.7 | +31:30:51 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0009.DARK      | 900      | 23:57    | 10:02:42.9 | +31:30:54 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0010.DARK      | 900      | 0:12     | 10:17:53.3 | +31:30:57 | 300 | 90   | 3.0  | #56 Spectropho | 4   |                         |
| 0011-0012.BIAS | 0        | 0:55     | 10:46:18.9 | +31:31:01 | 600 | 90   | 2.0  | #122           | 4   |                         |
| 0013-0020.BIAS | 0        | 0:56     | 10:47:14.1 | +31:31:02 | 600 | 90   | 2.0  | #122           | 4   |                         |
| 0021-0030.FLAT | 24       | 1:02     | 10:53:32.3 | +31:31:02 | 600 | 90   | 2.0  | #122           | 4   |                         |
| 0031.Feige34   | 70       | 3:31     | 10:36:41.2 | 43:21:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   | 600L, tilt=440, 2arcsec |
| 0032.COMP      | 12       | 3:32     | 10:36:41.2 | 43:21:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |
| 0033.Feige34   | 90       | 3:34     | 10:36:41.2 | 43:21:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |
| 0034.COMP      | 10       | 3:36     | 10:36:41.2 | 43:21:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |
| 0035.hs2539    | 378      | 3:39     | 13:35:19.1 | 53:07:17  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |
| 0036.COMP      | 10       | 3:46     | 13:35:19.1 | 53:07:17  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |
| 0037.hs2540    | 288      | 3:49     | 13:35:44.8 | 76:21:07  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                         |

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|-------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0038.COMP   | 10       | 3:54     | 13:35:44.8 | 76:21:07 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0039.hs2543 | 414      | 3:58     | 13:36:12.6 | 79:39:08 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0040.COMP   | 10       | 4:05     | 13:36:12.6 | 79:39:08 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0041.hs2544 | 534      | 4:10     | 13:36:34.4 | 78:45:26 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0042.COMP   | 10       | 4:19     | 13:36:34.4 | 78:45:26 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0043.hs2545 | 468      | 4:23     | 13:36:35.2 | 79:11:40 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0044.COMP   | 10       | 4:32     | 13:36:35.2 | 79:11:40 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0045.hs2546 | 498      | 4:34     | 13:36:57.1 | 64:15:55 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0046.COMP   | 10       | 4:43     | 13:36:57.1 | 64:15:55 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0047.hs2549 | 600      | 4:44     | 13:38:04.3 | 55:57:21 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0048.COMP   | 10       | 4:55     | 13:38:04.3 | 55:57:21 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0049.hs2550 | 462      | 4:56     | 13:38:49.0 | 65:58:38 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0050.COMP   | 10       | 5:05     | 13:38:49.0 | 65:58:38 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0051.hs2551 | 216      | 5:07     | 13:38:50.5 | 70:17:07 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0052.COMP   | 12       | 5:11     | 13:38:50.5 | 70:17:07 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0053.hs2552 | 504      | 5:12     | 13:39:07.4 | 65:42:26 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0054.COMP   | 10       | 5:21     | 13:39:07.4 | 65:42:26 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0055.hs2553 | 402      | 5:23     | 13:39:11.4 | 75:23:53 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0056.COMP   | 10       | 5:30     | 13:39:11.4 | 75:23:53 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |
| 0057.hs2554 | 558      | 5:32     | 13:39:15.0 | 58:18:54 | 600 | 90   | 2.0  | #122 Halo Star | 4   |          |

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|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|-------------|
| 0058.COMP      | 10       | 5:42     | 13:39:15.0 | 58:18:54 | 600 | 90   | 2.0  | #122 Halo Star | 4   |             |
| 0059.hs2555    | 384      | 5:43     | 13:39:16.6 | 55:53:33 | 600 | 90   | 2.0  | #122 Halo Star | 4   |             |
| 0060.COMP      | 10       | 5:50     | 13:39:16.6 | 55:53:33 | 600 | 90   | 2.0  | #122 Halo Star | 4   |             |
| 0061.BDp332642 | 70       | 5:51     | 15:50:03.0 | 33:05:49 | 600 | 90   | 2.0  | #122 Halo Star | 4   |             |
| 0062.COMP      | 10       | 5:53     | 15:50:03.0 | 33:05:49 | 600 | 90   | 2.0  | #122 Halo Star | 4   |             |
| 0063.BIAS      | 0        | 6:06     | 15:50:03.0 | 33:05:49 | 300 | 90   | 3.0  | #122 Halo Star | 2   | combo setup |
| 0064-0072.BIAS | 0        | 6:07     | 15:50:03.0 | 33:05:49 | 300 | 90   | 3.0  | #122 Halo Star | 2   |             |
| 0073-0082.FLAT | 12       | 6:12     | 15:50:03.0 | 33:05:49 | 300 | 90   | 3.0  | #122 Halo Star | 2   |             |
| 0083.c0180     | 600      | 6:20     | 15:11:50.0 | 07:59:19 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0084.COMP      | 12       | 6:30     | 15:11:50.0 | 07:59:19 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0085.c0181     | 600      | 6:31     | 15:20:28.7 | 08:17:07 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0086.COMP      | 12       | 6:42     | 15:20:28.7 | 08:17:07 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0087.c0182     | 900      | 6:46     | 15:22:22.7 | 08:21:08 | 300 | 90   | 3.0  | #64 Cluster In | 2   | row=76      |
| 0088.COMP      | 12       | 7:02     | 15:22:22.7 | 08:21:08 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0089.c0183     | 540      | 7:05     | 15:21:50.6 | 08:21:52 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0090.COMP      | 12       | 7:14     | 15:21:50.6 | 08:21:52 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0091.c0184     | 720      | 7:22     | 15:22:55.2 | 08:24:01 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0092.COMP      | 12       | 7:34     | 15:22:55.2 | 08:24:01 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0093.c0185     | 720      | 7:38     | 15:25:4.0  | 08:24:49 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |
| 0094.COMP      | 12       | 7:51     | 15:25:4.0  | 08:24:49 | 300 | 90   | 3.0  | #64 Cluster In | 2   |             |

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|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------|
| 0095.sc04_2234 | 300      | 7:53     | 17:54:18.0 | -29:57:02 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   | more counts?, row=82 |
| 0096.sc04_2234 | 420      | 8:01     | 17:54:18.0 | -29:57:02 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0097.sc04_2234 | 420      | 8:09     | 17:54:18.0 | -29:57:02 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0098.COMP      | 12       | 8:16     | 17:54:18.0 | -29:57:02 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0099.sc04_2810 | 420      | 8:19     | 17:54:22.3 | -29:53:56 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   | row=82               |
| 0100.sc04_2810 | 420      | 8:26     | 17:54:22.3 | -29:53:56 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0101.sc04_2810 | 420      | 8:34     | 17:54:22.3 | -29:53:56 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0102.COMP      | 12       | 8:41     | 17:54:22.3 | -29:53:56 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0103.sc04_3563 | 300      | 8:43     | 17:55:01.9 | -29:50:03 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   | row=81               |
| 0104.sc04_3563 | 300      | 8:49     | 17:55:01.9 | -29:50:03 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0105.sc04_3563 | 300      | 8:54     | 17:55:01.9 | -29:50:03 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0106.COMP      | 12       | 8:59     | 17:55:01.9 | -29:50:03 | 300 | 90   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0107.sc39_2267 | 480      | 9:05     | 17:55:11.1 | -29:53:47 | 300 | 70   | 3.0  | #152 ChaMPlane | 2   | row=81, correct ID?  |
| 0108.COMP      | 12       | 9:15     | 17:55:11.1 | -29:53:47 | 300 | 70   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0109.sc39_2267 | 540      | 9:17     | 17:55:11.1 | -29:53:47 | 300 | 50   | 3.0  | #152 ChaMPlane | 2   | row=78?              |
| 0110.sc39_2267 | 540      | 9:26     | 17:55:11.1 | -29:53:47 | 300 | 50   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0111.sc39_2267 | 540      | 9:35     | 17:55:11.1 | -29:53:47 | 300 | 50   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0112.COMP      | 12       | 9:45     | 17:55:11.1 | -29:53:47 | 300 | 50   | 3.0  | #152 ChaMPlane | 2   |                      |
| 0113.MRK509    | 180      | 9:48     | 20:44:09.8 | -10:43:24 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |                      |
| 0114.MRK509    | 180      | 9:51     | 20:44:09.8 | -10:43:24 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |                      |

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|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0115.COMP      | 12       | 9:54     | 20:44:09.8 | -10:43:24 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |          |
| 0116.Akn564    | 180      | 9:57     | 22:42:39.4 | +29:43:31 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |          |
| 0117.Akn564    | 180      | 10:00    | 22:42:39.4 | +29:43:31 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |          |
| 0118.COMP      | 12       | 10:03    | 22:42:39.4 | +29:43:31 | 300 | 90   | 3.0  | #6 AGN Monitor | 2   |          |
| 0119.BDp284211 | 60       | 10:05    | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0120.COMP      | 12       | 10:07    | 21:48:57.1 | 28:37:48  | 300 | 90   | 3.0  | #56 Spectropho | 2   |          |
| 0121.BDp284211 | 60       | 10:11    | 21:48:57.1 | 28:37:48  | 300 | 104  | 3.0  | #56 Spectropho | 2   | tilt=592 |
| 0122.COMP      | 12       | 10:12    | 21:48:57.1 | 28:37:48  | 300 | 104  | 3.0  | #56 Spectropho | 2   |          |
| 0123.BDp262606 | 20       | 10:16    | 14:49:02.3 | +25:42:09 | 300 | 64   | 3.0  | #56 Spectropho | 2   |          |
| 0124.BDp262606 | 20       | 10:17    | 14:49:02.3 | +25:42:09 | 300 | 64   | 3.0  | #56 Spectropho | 2   |          |
| 0125.COMP      | 12       | 10:17    | 14:49:02.3 | +25:42:09 | 300 | 64   | 3.0  | #56 Spectropho | 2   |          |
| 0126.snu11799  | 1200     | 10:47    | 21:43:32.8 | 43:41:33  | 300 | 52   | 3.0  | #2 SN Observat | 2   |          |
| 0127.COMP      | 12       | 11:07    | 21:43:32.8 | 43:41:33  | 300 | 52   | 3.0  | #2 SN Observat | 2   |          |
| 0128-0137.FLAT | 12       | 11:20    | 22:15:01.0 | 15:24:16  | 300 | 90   | 3.0  | #2 SN Observat | 2   |          |
| 0138-0147.BIAS | 0        | 11:23    | 22:15:01.0 | 15:24:16  | 300 | 90   | 3.0  | #2 SN Observat | 2   |          |
| 0148-0157.DARK | 900      | 13:51    | 22:15:01.0 | 15:24:16  | 300 | 90   | 3.0  | #2 SN Observat | 2   |          |