

UT Date 2001-05-31 Observers M CalkinsColl. Focus 1080 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0010.DARK | 900 | 0:43 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0011-0020.BIAS | 0 | 2:16 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #64f Cluster I | 4 | |
| 0021-0030.FLAT | 6 | 2:18 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #64f Cluster I | 4 | |
| 0031-0040.BIAS | 0 | 2:21 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #64f Cluster I | 2 | |
| 0041-0050.FLAT | 12 | 2:25 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #64f Cluster I | 2 | |
| 0051-0055.sky | 2 | 2:41 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0056.COMP | 5 | 2:41 | 1:58:50 | 52:53:47 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0057.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0058.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0059.COMP | 5 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0060.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0061.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0062.COMP | 12 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0063.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 70 | 3.0 | #56 Spectropho | 2 | |
| 0064.HZ44 | 120 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 70 | 3.0 | #56 Spectropho | 2 | |
| 0065.COMP | 12 | 2:41 | 13:21:19.0 | 36:23:39 | 300 | 70 | 3.0 | #56 Spectropho | 2 | |
| 0066.N3227 | 60 | 2:41 | 10:23:30.6 | +19:51:54 | 300 | 62 | 3.0 | #6 AGN Monitor | 2 | |
| 0067.N3227 | 60 | 2:41 | 10:23:30.6 | +19:51:54 | 300 | 62 | 3.0 | #6 AGN Monitor | 2 | |
| 0068.N3227 | 60 | 2:41 | 10:23:30.6 | +19:51:54 | 300 | 62 | 3.0 | #6 AGN Monitor | 2 | |
| 0069.COMP | 12 | 2:41 | 10:23:30.6 | +19:51:54 | 300 | 62 | 3.0 | #6 AGN Monitor | 2 | |

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|-------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0070.MRK421 | 120 | 2:41 | 11:04:27.4 | +38:12:32 | 300 | 99 | 3.0 | #6 AGN Monitor | 2 | |
| 0071.MRK421 | 120 | 2:41 | 11:04:27.4 | +38:12:32 | 300 | 99 | 3.0 | #6 AGN Monitor | 2 | |
| 0072.COMP | 12 | 2:41 | 11:04:27.4 | +38:12:32 | 300 | 99 | 3.0 | #6 AGN Monitor | 2 | |
| 0073.N4051 | 60 | 2:41 | 12:03:09.7 | +44:31:53 | 300 | -47 | 3.0 | #6 AGN Monitor | 2 | |
| 0074.N4051 | 60 | 2:41 | 12:03:09.7 | +44:31:53 | 300 | -47 | 3.0 | #6 AGN Monitor | 2 | |
| 0075.N4051 | 60 | 2:41 | 12:03:09.7 | +44:31:53 | 300 | -47 | 3.0 | #6 AGN Monitor | 2 | |
| 0076.COMP | 12 | 2:41 | 12:03:09.7 | +44:31:53 | 300 | -47 | 3.0 | #6 AGN Monitor | 2 | |
| 0077.N4151 | 60 | 2:41 | 12:10:32.6 | +39:24:21 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0078.N4151 | 60 | 2:41 | 12:10:32.6 | +39:24:21 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0079.N4151 | 60 | 2:41 | 12:10:32.6 | +39:24:21 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0080.COMP | 12 | 2:41 | 12:10:32.6 | +39:24:21 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0081.MRK279 | 60 | 2:41 | 13:51:53.6 | 69:33:13 | 300 | 13 | 3.0 | #6 AGN Monitor | 2 | |
| 0082.MRK279 | 60 | 2:41 | 13:51:53.6 | 69:33:13 | 300 | 13 | 3.0 | #6 AGN Monitor | 2 | |
| 0083.COMP | 12 | 2:41 | 13:51:53.6 | 69:33:13 | 300 | 13 | 3.0 | #6 AGN Monitor | 2 | |
| 0084.N5548 | 90 | 2:41 | 14:17:59.6 | +25:08:12 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0085.N5548 | 90 | 2:41 | 14:17:59.6 | +25:08:12 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0086.N5548 | 90 | 2:41 | 14:17:59.6 | +25:08:12 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0087.COMP | 12 | 2:41 | 14:17:59.6 | +25:08:12 | 300 | -50 | 3.0 | #6 AGN Monitor | 2 | |
| 0088.N5866 | 120 | 2:41 | 15:05:07.2 | +55:57:18 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0089.COMP | 12 | 2:41 | 15:05:07.2 | +55:57:18 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |

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|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|--------------------------|
| 0090.comaf_121 | 1200 | 2:41 | 12:36:19.4 | 23:10:30 | 300 | 90 | 3.0 | #64f Cluster I | 2 | |
| 0091.COMP | 12 | 2:41 | 12:36:19.4 | 23:10:30 | 300 | 90 | 3.0 | #64f Cluster I | 2 | |
| 0092.HZ44 | 240 | 2:41 | 13:21:19.0 | 36:23:39 | 600 | 90 | 2.0 | #56 Spectropho | 4 | 600L, 2 arcsec, tilt=430 |
| 0093.COMP | 10 | 2:41 | 13:21:19.0 | 36:23:39 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0094.hs427 | 1200 | 2:41 | 12:49:19.1 | 28:49:58 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0095.COMP | 10 | 2:41 | 12:49:19.1 | 28:49:58 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0096.hs428 | 1020 | 2:41 | 13:01:57.4 | 29:08:53 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0097.COMP | 10 | 2:41 | 13:01:57.4 | 29:08:53 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0098.hs436 | 1020 | 2:41 | 13:20:17.2 | 29:18:26 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0099.COMP | 10 | 2:41 | 13:20:17.2 | 29:18:26 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0100.hs421 | 1200 | 2:41 | 12:28:41.8 | 29:35:06 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0101.COMP | 10 | 2:41 | 12:28:41.8 | 29:35:06 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0102.hs426 | 1200 | 2:41 | 12:46:26.8 | 29:35:09 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0103.COMP | 10 | 2:41 | 12:46:26.8 | 29:35:09 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0104.hs429 | 1200 | 2:41 | 13:02:35.5 | 29:11:19 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0105.COMP | 10 | 2:41 | 13:02:35.5 | 29:11:19 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0106.hs431 | 1200 | 2:41 | 13:03:22.0 | 29:43:29 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0107.COMP | 10 | 2:41 | 13:03:22.0 | 29:43:29 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0108.hs433 | 1200 | 2:41 | 13:04:00.8 | 29:16:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0109.COMP | 10 | 2:41 | 13:04:00.8 | 29:16:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |

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| 0110.hs435 | 1020 | 2:41 | 13:19:22.5 | 29:44:14 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0111.COMP | 10 | 2:41 | 13:19:22.5 | 29:44:14 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0112-0121.FLAT | 40 | 8:20 | 13:19:22.5 | 29:44:14 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0122.sn2001bp | 1200 | 8:20 | 16:02:09.2 | 36:43:08 | 300 | 97 | 3.0 | #2 SN Observat | 2 | normal setup |
| 0123.sn2001bp | 1200 | 8:20 | 16:02:09.2 | 36:43:08 | 300 | 97 | 3.0 | #2 SN Observat | 2 | |
| 0124.COMP | 12 | 8:20 | 16:02:09.2 | 36:43:08 | 300 | 97 | 3.0 | #2 SN Observat | 2 | |
| 0125.1745308 | 360 | 8:20 | 17:45:30.8 | 60:56:15 | 300 | 90 | 2.0 | #87f IRAC | 2 | 2 arcsec slit |
| 0126.COMP | 15 | 8:20 | 17:45:30.8 | 60:56:15 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0127.1739431 | 360 | 8:20 | 17:39:43.0 | 61:02:55 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0128.COMP | 15 | 8:20 | 17:39:43.0 | 61:02:55 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0129.1728265 | 300 | 8:20 | 17:28:26.5 | 61:31:18 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0130.COMP | 15 | 8:20 | 17:28:26.5 | 61:31:18 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0131.1730263 | 300 | 8:20 | 17:30:26.3 | 61:43:31 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0132.COMP | 15 | 8:20 | 17:30:26.3 | 61:43:31 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0133.1724103 | 360 | 8:20 | 17:24:10.3 | 62:32:50 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0134.COMP | 15 | 8:20 | 17:24:10.3 | 62:32:50 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0135.1743123 | 480 | 8:20 | 17:43:12.3 | 63:11:38 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0136.COMP | 15 | 8:20 | 17:43:12.3 | 63:11:38 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0137.1737223 | 600 | 8:20 | 17:37:22.3 | 63:24:16 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0138.COMP | 15 | 8:20 | 17:37:22.3 | 63:24:16 | 300 | 90 | 2.0 | #87f IRAC | 2 | |

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| 0139.1756268 | 360 | 8:20 | 17:56:26.8 | 63:36:24 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0140.COMP | 15 | 8:20 | 17:56:26.8 | 63:36:24 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0141.1740346 | 360 | 8:20 | 17:40:34.5 | 65:27:14 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0142.COMP | 15 | 8:20 | 17:40:34.5 | 65:27:14 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0143.1740346 | 390 | 8:20 | 17:40:34.5 | 65:27:14 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0144.COMP | 15 | 8:20 | 17:40:34.5 | 65:27:14 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0145.1731586 | 660 | 8:20 | 17:31:58.5 | 65:38:31 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0146.COMP | 15 | 8:20 | 17:31:58.5 | 65:38:31 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0147-0156.FLAT | 15 | 10:53 | 17:31:58.5 | 65:38:31 | 300 | 90 | 2.0 | #87f IRAC | 2 | |
| 0157.AS327 | 15 | 10:53 | 18:53:17 | -24:22:59 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | 3 arcsec slit |
| 0158.AS327 | 300 | 10:53 | 18:53:17 | -24:22:59 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0159.COMP | 12 | 10:53 | 18:53:17 | -24:22:59 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0160.FNSgr | 15 | 10:53 | 18:53:55 | -18:59:41 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0161.FNSgr | 480 | 10:53 | 18:53:55 | -18:59:41 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0162.COMP | 12 | 10:53 | 18:53:55 | -18:59:41 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0163.V919Sgr | 20 | 10:53 | 19:03:45 | -16:59:56 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0164.V919Sgr | 200 | 10:53 | 19:03:45 | -16:59:56 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0165.COMP | 12 | 10:53 | 19:03:45 | -16:59:56 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0166.CMAq1 | 3 | 10:53 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0167.CMAq1 | 90 | 10:53 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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|----------------|-----------------|-----------------|-----------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0168.CMAq1 | 480 | 10:53 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0169.CMAq1 | 40 | 10:53 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0170.COMP | 12 | 10:53 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0171-0180.BIAS | 0 | 11:37 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0181-0190.FLAT | 6 | 11:40 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0191-0200.BIAS | 0 | 11:42 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0201-0210.FLAT | 12 | 11:47 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0211-0220.DARK | 900 | 14:07 | 19:03:35 | -03:03:14 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |