

UT Date 2006-09-16 Observers M CalkinsColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------|
| 0001-0010.BIAS | 0 | 2:33 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 4 | |
| 0011.FLAT | 8 | 2:34 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 4 | Oops! Too short! |
| 0012-0020.FLAT | 8 | 2:37 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 4 | |
| 0021-0030.FLAT | 12 | 2:41 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 4 | |
| 0031-0040.BIAS | 0 | 2:43 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0041-0060.FLAT | 25 | 2:56 | 16:48:34.4 | +31:30:26 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0061.BDp284211 | 90 | 3:04 | 21:51:11.1 | 28:51:53 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0062.COMP | 12 | 3:06 | 21:51:11.1 | 28:51:53 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0063.BDp284211 | 90 | 3:09 | 21:51:11.1 | 28:51:53 | 300 | 105 | 3.0 | #56 Spectropho | 2 | |
| 0064.COMP | 12 | 3:11 | 21:51:11.1 | 28:51:53 | 300 | 105 | 3.0 | #56 Spectropho | 2 | |
| 0065.BDp284211 | 90 | 3:13 | 21:51:11.1 | 28:51:53 | 300 | 105 | 3.0 | #56 Spectropho | 4 | |
| 0066.COMP | 5 | 3:14 | 21:51:11.1 | 28:51:53 | 300 | 105 | 3.0 | #56 Spectropho | 4 | |
| 0067.3C390.3 | 300 | 3:25 | 18:42:09.0 | 79:46:17 | 300 | 90 | 3.0 | #6 AGN Monitor | 4 | |
| 0068.3C390.3 | 300 | 3:30 | 18:42:09.0 | 79:46:17 | 300 | 90 | 3.0 | #6 AGN Monitor | 4 | |
| 0069.3C390.3 | 300 | 3:35 | 18:42:09.0 | 79:46:17 | 300 | 90 | 3.0 | #6 AGN Monitor | 4 | |
| 0070.COMP | 5 | 3:41 | 18:42:09.0 | 79:46:17 | 300 | 90 | 3.0 | #6 AGN Monitor | 4 | |
| 0071.sn2006eu | 1500 | 3:44 | 20:02:51.1 | 49:19:2 | 300 | 3 | 3.0 | #2 SN Observat | 2 | row=83 |
| 0072.COMP | 12 | 4:10 | 20:02:51.1 | 49:19:2 | 300 | 3 | 3.0 | #2 SN Observat | 2 | |
| 0073.DracoC1 | 1200 | 4:14 | 17:19:58 | 57:50:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0074.COMP | 12 | 4:35 | 17:19:58 | 57:50:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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|--------------|-----------------|-----------------|-----------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0075.RS0ph | 10 | 4:37 | 17:50:13 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0076.RS0ph | 60 | 4:38 | 17:50:13 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0077.RS0ph | 150 | 4:39 | 17:50:13 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0078.COMP | 12 | 4:42 | 17:50:13 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0079.YYHer | 10 | 4:44 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0080.YYHer | 60 | 4:44 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0081.COMP | 12 | 4:46 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0082.V443Her | 5 | 4:47 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0083.V443Her | 45 | 4:47 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0084.V443Her | 90 | 4:49 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0085.COMP | 12 | 4:51 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0086.BFCyg | 1 | 4:52 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0087.BFCyg | 60 | 4:53 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0088.COMP | 12 | 4:54 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0089.CHCyg | 1 | 4:56 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0090.CHCyg | 5 | 4:56 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0091.CHCyg | 30 | 4:57 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0092.COMP | 12 | 4:58 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0093.CICyg | 2 | 5:00 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0094.CICyg | 20 | 5:00 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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|---------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0095.CICyg | 60 | 5:01 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0096.COMP | 12 | 5:02 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0097.PUVul | 1 | 5:04 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0098.PUVul | 10 | 5:04 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0099.PUVul | 60 | 5:04 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0100.COMP | 12 | 5:06 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0101.ZAnd | 1 | 5:09 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0102.ZAnd | 5 | 5:09 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0103.ZAnd | 30 | 5:09 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0104.COMP | 12 | 5:10 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0105.sn2006ev | 1200 | 5:15 | 21:30:59.2 | 13:59:21 | 300 | -1 | 3.0 | #2 SN Observat | 2 | |
| 0106.COMP | 12 | 5:36 | 21:30:59.2 | 13:59:21 | 300 | -1 | 3.0 | #2 SN Observat | 2 | |
| 0107.sn2006e1 | 1800 | 5:40 | 22:47:38.5 | +39:52:27 | 300 | 56 | 3.0 | #2 SN Observat | 2 | |
| 0108.COMP | 12 | 6:11 | 22:47:38.5 | +39:52:27 | 300 | 56 | 3.0 | #2 SN Observat | 2 | |
| 0109.fmfa501 | 300 | 6:14 | 21:11:52.6 | 2:19:44 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0110.COMP | 5 | 6:20 | 21:11:52.6 | 2:19:44 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0111.fmfa502 | 420 | 6:21 | 21:11:59.5 | 2:44:48 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0112.COMP | 5 | 6:29 | 21:11:59.5 | 2:44:48 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0113.fmfa503 | 1020 | 6:30 | 21:12:19.6 | 2:30:52 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0114.COMP | 5 | 6:48 | 21:12:19.6 | 2:30:52 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |

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|--------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0115.fmfa504 | 960 | 6:50 | 21:12:22.9 | 2:42:10 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0116.COMP | 5 | 7:07 | 21:12:22.9 | 2:42:10 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0117.fmfa505 | 1200 | 7:08 | 21:12:24.8 | 2:56:59 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0118.COMP | 5 | 7:29 | 21:12:24.8 | 2:56:59 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0119.fmfa506 | 1320 | 7:31 | 21:12:31.2 | 2:25:14 | 300 | 80 | 3.0 | #171 Local Uni | 4 | |
| 0120.COMP | 5 | 7:54 | 21:12:31.2 | 2:25:14 | 300 | 80 | 3.0 | #171 Local Uni | 4 | |
| 0121.fmfa507 | 1200 | 7:56 | 21:12:52.7 | 2:20:04 | 300 | 50 | 3.0 | #171 Local Uni | 4 | |
| 0122.COMP | 5 | 8:16 | 21:12:52.7 | 2:20:04 | 300 | 50 | 3.0 | #171 Local Uni | 4 | |
| 0123.fmfa001 | 300 | 8:19 | 00:00:07.0 | 8:16:44 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0124.COMP | 5 | 8:24 | 00:00:07.0 | 8:16:44 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0125.fmfa002 | 270 | 8:25 | 00:00:08.9 | 8:17:33 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0126.COMP | 5 | 8:30 | 00:00:08.9 | 8:17:33 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0127.fmfa003 | 360 | 8:31 | 00:00:14.3 | 8:10:34 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0128.COMP | 5 | 8:38 | 00:00:14.3 | 8:10:34 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0129.fmfa004 | 300 | 8:38 | 00:00:25.0 | 7:51:13 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0130.COMP | 5 | 8:44 | 00:00:25.0 | 7:51:13 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0131.fmfa005 | 300 | 8:45 | 00:00:27.1 | 8:13:12 | 300 | 80 | 3.0 | #171 Local Uni | 4 | |
| 0132.COMP | 5 | 8:50 | 00:00:27.1 | 8:13:12 | 300 | 80 | 3.0 | #171 Local Uni | 4 | |
| 0133.fmfa006 | 420 | 8:52 | 00:00:41.1 | 8:27:56 | 300 | 95 | 3.0 | #171 Local Uni | 4 | |
| 0134.COMP | 5 | 8:59 | 00:00:41.1 | 8:27:56 | 300 | 95 | 3.0 | #171 Local Uni | 4 | |

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|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------------|
| 0135.fmfa007 | 360 | 9:00 | 00:00:44.9 | 8:09:29 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0136.COMP | 5 | 9:07 | 00:00:44.9 | 8:09:29 | 300 | 90 | 3.0 | #171 Local Uni | 4 | |
| 0137.RAqr | 0 | 9:08 | 23:43:49 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0138.RAqr | 1 | 9:09 | 23:43:49 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0139.RAqr | 5 | 9:09 | 23:43:49 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0140.RAqr | 10 | 9:09 | 23:43:49 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0141.COMP | 5 | 9:10 | 23:43:49 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0142.EGAnd | 1 | 9:12 | 0:44:37 | 40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0143.EGAnd | 5 | 9:13 | 0:44:37 | 40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0144.EGAnd | 10 | 9:13 | 0:44:37 | 40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0145.COMP | 5 | 9:14 | 0:44:37 | 40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0146.AXPer | 4 | 9:16 | 1:36:23 | 54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0147.AXPer | 30 | 9:16 | 1:36:23 | 54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0148.AXPer | 90 | 9:17 | 1:36:23 | 54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0149.COMP | 5 | 9:20 | 1:36:23 | 54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 4 | |
| 0150.bcand968 | 840 | 9:34 | 23:01:55.1 | 14:36:00 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | 600L, tilt=437, 2arcsec |
| 0151.COMP | 10 | 9:49 | 23:01:55.1 | 14:36:00 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0152.bcand969 | 1680 | 9:52 | 23:58:51.3 | 15:35:41 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0153.COMP | 10 | 10:21 | 23:58:51.3 | 15:35:41 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0154.bcand970 | 960 | 10:23 | 0:50:42.0 | 14:25:37 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | seeing starting to sour... |

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|-----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0155.COMP | 10 | 10:39 | 0:50:42.0 | 14:25:37 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0156.bcand971 | 900 | 10:41 | 1:04:32.2 | 15:41:50 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0157.COMP | 10 | 10:57 | 1:04:32.2 | 15:41:50 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0158.bcand972 | 1500 | 10:58 | 1:38:44.4 | 14:31:13 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0159.COMP | 10 | 11:24 | 1:38:44.4 | 14:31:13 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0160.bcand973 | 1500 | 11:26 | 0:23:09.0 | -0:33:42 | 600 | 80 | 2.0 | #166 Hyper Vel | 4 | |
| 0161.COMP | 10 | 11:51 | 0:23:09.0 | -0:33:42 | 600 | 80 | 2.0 | #166 Hyper Vel | 4 | |
| 0162.Hiltner600 | 90 | 11:55 | 06:45:13.4 | 02:08:14 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0163.COMP | 10 | 11:56 | 06:45:13.4 | 02:08:14 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0164-0173.FLAT | 45 | 12:06 | 06:45:13.4 | 02:08:14 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0174.COMP | 5 | 12:09 | 06:45:13.4 | 02:08:14 | 600 | 90 | 2.0 | #56 Spectropho | 4 | test |
| 0175.G191B2B | 120 | 12:13 | 05:05:30.5 | 52:49:56 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0176.COMP | 12 | 12:15 | 05:05:30.5 | 52:49:56 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0177.G191B2B | 120 | 12:17 | 05:05:30.5 | 52:49:56 | 300 | 20 | 3.0 | #56 Spectropho | 2 | |
| 0178.COMP | 12 | 12:19 | 05:05:30.5 | 52:49:56 | 300 | 20 | 3.0 | #56 Spectropho | 2 | |
| 0179.Hiltner600 | 90 | 12:22 | 06:45:13.4 | 02:08:14 | 300 | -30 | 3.0 | #56 Spectropho | 2 | |
| 0180.COMP | 12 | 12:24 | 06:45:13.4 | 02:08:14 | 300 | -30 | 3.0 | #56 Spectropho | 2 | |
| 0181-0190.BIAS | 0 | 12:29 | 06:45:13.4 | 02:08:14 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0191-0200.FLAT | 12 | 12:34 | 06:45:13.4 | 02:08:14 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0201-0210.BIAS | 0 | 12:40 | 06:45:13.4 | 02:08:14 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0211-0230.FLAT | 25 | 12:57 | 06:45:13.4 | 02:08:14 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0231-0239.DARK | 900 | 15:01 | 06:45:13.4 | 02:08:14 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |