

UT Date 2008-10-24 Observers Sumin TangColl. Focus 1350 Grating/Grism 300

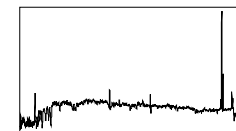
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0001.BIAS | 0 | 20:04 | 14:50:10.1 | +31:32:45 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0002-0006.DARK | 900 | 00:09 | 14:50:10.1 | +31:32:45 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0007-0016.BIAS | 0 | 00:26 | 14:50:10.1 | +31:32:45 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0017-0031.FLAT | 7 | 00:31 | 14:50:10.1 | +31:32:45 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0032.BFCyg | 15 | 01:32 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0033.BFCyg | 15 | 01:32 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0034.COMP | 10 | 01:33 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0035.AS360 | 300 | 01:37 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0036.AS360 | 60 | 01:43 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0037.COMP | 10 | 01:44 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0038.1ES1959p650 | 300 | 01:58 | 19:59:59.8 | +65:08:55 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0039.1ES1959p650 | 600 | 02:04 | 19:59:59.8 | +65:08:55 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0040.COMP | 10 | 02:15 | 19:59:59.8 | +65:08:55 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0041.S3900.40+4223 | 1500 | 02:19 | 20:39:00.4 | +42:23:10 | 300 | 90 | 3.0 | #183 Young Sta | 2 | |
| 0042.COMP | 10 | 02:47 | 20:39:00.4 | +42:23:10 | 300 | 90 | 3.0 | #183 Young Sta | 2 | |
| 0043.S3715.49+4219 | 1500 | 02:49 | 20:37:15.5 | +42:19:16 | 300 | 90 | 3.0 | #183 Young Sta | 2 | |
| 0044.COMP | 10 | 03:15 | 20:37:15.5 | +42:19:16 | 300 | 90 | 3.0 | #183 Young Sta | 2 | |
| 0045.BDp284211 | 120 | 03:44 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | bad focus |
| 0046.BDp284211 | 120 | 03:46 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | bad focus |
| 0047.COMP | 10 | 03:49 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |

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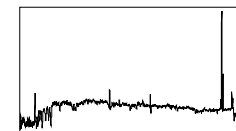
| <i>File</i> | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i> | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0048.BDp174708 | 45 | 03:51 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | bad focus |
| 0049.BDp174708 | 45 | 03:52 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | bad focus |
| 0050.BDp174708 | 45 | 03:53 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | bad focus |
| 0051.COMP | 10 | 03:58 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.BLLac | 180 | 04:01 | 22:02:43.3 | +42:16:40 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0053.BLLac | 180 | 04:04 | 22:02:43.3 | +42:16:40 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0054.COMP | 10 | 04:10 | 22:02:43.3 | +42:16:40 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0055.1ES2344p514 | 360 | 04:22 | 23:47:04.6 | +51:42:18 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0056.1ES2344p514 | 360 | 04:28 | 23:47:04.6 | +51:42:18 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0057.COMP | 10 | 04:35 | 23:47:04.6 | +51:42:18 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0058.N7331 | 180 | 04:38 | 22:37:04.1 | +34:24:56 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0059.COMP | 10 | 04:42 | 22:37:04.1 | +34:24:56 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0060.RAqr | 1 | 04:46 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0061.RAqr | 5 | 04:46 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0062.RAqr | 10 | 04:46 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0063.COMP | 10 | 04:47 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0064.IPHASB_4420 | 300 | 04:53 | 23:36:50.8 | +58:57:39 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0065.COMP | 10 | 04:58 | 23:36:50.8 | +58:57:39 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0066.IPHASB_4421 | 500 | 05:00 | 23:39:20.8 | +64:48:58 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0067.COMP | 10 | 05:10 | 23:39:20.8 | +64:48:58 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |

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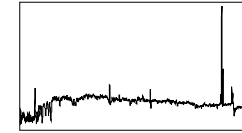
| <i>File</i> | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i> | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0068.IPHASB_4422 | 600 | 05:11 | 23:40:51.8 | +63:53:06 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0069.COMP | 10 | 05:22 | 23:40:51.8 | +63:53:06 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0070.IPHASB_4423 | 550 | 05:45 | 23:41:25.2 | +65:40:43 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0071.COMP | 10 | 05:55 | 23:41:25.2 | +65:40:43 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0072.IPHASB_4426 | 300 | 05:56 | 23:43:23.8 | +62:01:52 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0073.COMP | 10 | 06:02 | 23:43:23.8 | +62:01:52 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0074.IPHASB_4429 | 240 | 06:04 | 23:44:09.3 | +62:39:44 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0075.COMP | 10 | 06:09 | 23:44:09.3 | +62:39:44 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0076.IPHASB_4430 | 400 | 06:11 | 23:44:18.0 | +59:25:17 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0077.COMP | 10 | 06:18 | 23:44:18.0 | +59:25:17 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0078.IPHASB_4432 | 600 | 06:19 | 23:45:05.0 | +65:20:53 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0079.COMP | 10 | 06:30 | 23:45:05.0 | +65:20:53 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0080.IPHASB_1237 | 150 | 06:33 | 01:24:16.8 | +63:30:12 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0081.COMP | 10 | 06:36 | 01:24:16.8 | +63:30:12 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0082.IPHASB_1267 | 600 | 06:39 | 01:38:34.3 | +63:48:41 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0083.COMP | 10 | 06:50 | 01:38:34.3 | +63:48:41 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0084.IPHASB_1240 | 200 | 06:52 | 01:25:40.5 | +62:30:26 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0085.COMP | 10 | 06:56 | 01:25:40.5 | +62:30:26 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0086.IPHASB_1241 | 400 | 06:57 | 01:26:09.3 | +65:16:18 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0087.COMP | 10 | 07:04 | 01:26:09.3 | +65:16:18 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |

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| <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> |
|------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0088.IPHASB_1242 | 300 | 07:06 | 01:27:03.2 | +63:43:33 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0089.COMP | 10 | 07:12 | 01:27:03.2 | +63:43:33 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0090.IPHASB_1244 | 400 | 07:14 | 01:27:51.3 | +65:51:04 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0091.COMP | 10 | 07:22 | 01:27:51.3 | +65:51:04 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0092.IPHASB_1245 | 1200 | 07:26 | 01:28:12.1 | +63:43:49 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0093.COMP | 10 | 07:51 | 01:28:12.1 | +63:43:49 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0094.IPHASB_1247 | 200 | 07:57 | 01:28:21.1 | +63:57:54 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0095.COMP | 10 | 08:01 | 01:28:21.1 | +63:57:54 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0096.IPHASB_1248 | 270 | 08:03 | 01:30:00.2 | +63:10:45 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0097.COMP | 10 | 08:08 | 01:30:00.2 | +63:10:45 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0098.IPHASB_1250 | 330 | 08:10 | 01:31:04.4 | +60:23:37 | 300 | 110 | 3.0 | #157 IPHAS | 2 | |
| 0099.COMP | 10 | 08:16 | 01:31:04.4 | +60:23:37 | 300 | 110 | 3.0 | #157 IPHAS | 2 | |
| 0100.IPHASB_1590 | 280 | 08:20 | 02:59:50.8 | +58:23:33 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0101.COMP | 10 | 08:27 | 02:59:50.8 | +58:23:33 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0102.IPHASB_1589 | 750 | 08:29 | 02:59:46.5 | +60:29:07 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0103.COMP | 10 | 08:43 | 02:59:46.5 | +60:29:07 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0104.IPHASB_1587 | 250 | 08:45 | 02:59:35.0 | +60:32:07 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0105.COMP | 10 | 08:50 | 02:59:35.0 | +60:32:07 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0106.IPHASB_1585 | 1000 | 08:51 | 02:59:04.9 | +62:14:59 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0107.COMP | 10 | 09:09 | 02:59:04.9 | +62:14:59 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |

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| <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> |
|-----------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0108.IPHASB_1582 | 190 | 09:11 | 02:58:33.6 | +57:23:30 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0109.COMP | 10 | 09:14 | 02:58:33.6 | +57:23:30 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0110.IPHASB_1577 | 190 | 09:16 | 02:57:37.8 | +62:47:03 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0111.COMP | 10 | 09:20 | 02:57:37.8 | +62:47:03 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0112.IPHASB_1577 | 500 | 09:21 | 02:57:37.8 | +62:47:03 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0113.COMP | 10 | 09:30 | 02:57:37.8 | +62:47:03 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0114.IPHASB_1574 | 400 | 09:32 | 02:57:00.5 | +57:57:43 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0115.COMP | 10 | 09:39 | 02:57:00.5 | +57:57:43 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0116.04483368+1147343 | 900 | 09:46 | 04:48:33.7 | +11:47:34 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0117.COMP | 10 | 10:02 | 04:48:33.7 | +11:47:34 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0118.04494035+2038216 | 1400 | 10:04 | 04:49:40.3 | +20:38:22 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0119.COMP | 10 | 10:32 | 04:49:40.3 | +20:38:22 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0120.04353970+2057048 | 750 | 10:35 | 04:35:39.7 | +20:57:05 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0121.COMP | 10 | 10:49 | 04:35:39.7 | +20:57:05 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0122.04502586+1305562 | 1000 | 10:51 | 04:50:25.9 | +13:05:56 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0123.COMP | 10 | 11:09 | 04:50:25.9 | +13:05:56 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0124.04511970+1514459 | 900 | 11:12 | 04:51:19.7 | +15:14:46 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0125.COMP | 10 | 11:28 | 04:51:19.7 | +15:14:46 | 300 | 90 | 3.0 | #141 Mapping t | 2 | |
| 0126.N23130106547 | 1500 | 11:34 | 08:48:02.9 | +19:13:39 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0127.COMP | 10 | 12:00 | 08:48:02.9 | +19:13:39 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |

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| <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> |
|---------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0128.N2211002533_EB | 600 | 12:02 | 07:55:40.8 | +21:09:59 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0129.COMP | 10 | 12:12 | 07:55:40.8 | +21:09:59 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0130.N2301103684_EB | 300 | 12:15 | 08:07:30.6 | +37:48:28 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0131.COMP | 10 | 12:21 | 08:07:30.6 | +37:48:28 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0132.Algol | 1 | 12:23 | 03:08:10.1 | +40:57:20 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0133.Algol | 0 | 12:24 | 03:08:10.1 | +40:57:20 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0134.COMP | 10 | 12:25 | 03:08:10.1 | +40:57:20 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0135.N2211330177 | 300 | 12:27 | 07:54:45.9 | +16:41:43 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0136.COMP | 10 | 12:32 | 07:54:45.9 | +16:41:43 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0137.SU_Tau | 45 | 12:34 | 05:49:03.7 | +19:04:22 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0138.COMP | 10 | 12:35 | 05:49:03.7 | +19:04:22 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0139.N2332033658_F | 300 | 12:37 | 08:03:28.8 | +26:41:41 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0140.COMP | 10 | 12:43 | 08:03:28.8 | +26:41:41 | 300 | 90 | 3.0 | #184 M44 Varia | 2 | |
| 0141-0150.BIAS | 0 | 12:51 | 08:03:28.8 | +26:41:41 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0151-0165.FLAT | 7 | 12:58 | 08:03:28.8 | +26:41:41 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |
| 0166-0170.DARK | 900 | 14:04 | 08:03:28.8 | +26:41:41 | 300 | 90 | 3.0 | #165 Quasar Br | 2 | |