UT Date 2012-05-12 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 | 23:26 | 07:07:53.6 | +31:31:49 | 300 | 89 | 3.0 | #12 Symbiotic | 4 | |
| 0011-0030.FLAT | 7 | 23:34 | 07:07:53.6 | +31:31:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0031-0040.BIAS | 0 | 23:41 | 07:07:53.6 | +31:31:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0041-0050.DARK | 900 | 02:09 | 07:07:53.6 | +31:31:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0051.HD84937 | 20 | 03:16 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | excellent seeing |
| 0052.COMP | 10 | 03:17 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0053.Feige34 | 150 | 03:20 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0054.COMP | 10 | 03:23 | 10:39:36.7 | +43:06:09 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0055.sn2010j1 | 1800 | 03:27 | 09:42:53.3 | +09:29:42 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0056.COMP | 10 | 03:57 | 09:42:53.3 | +09:29:42 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0057.TXCVn | 10 | 04:00 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0058.TXCVn | 30 | 04:01 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0059.COMP | 10 | 04:02 | 12:44:42.0 | +36:45:48 | 300 | 83 | 3.0 | #12 Symbiotic | 2 | |
| 0060.bcg019 | 240 | 04:05 | 10:22:10.0 | +38:31:24 | 300 | 89 | 3.0 | #210 Brightest | 2 | need more cnts |
| 0061.COMP | 10 | 04:10 | 10:22:10.0 | +38:31:24 | 300 | 88 | 3.0 | #210 Brightest | 2 | |
| 0062.css1204 | 1800 | 04:23 | 11:11:26.9 | +57:12:39 | 300 | 88 | 3.0 | #2 SN Observat | 2 | |
| 0063.COMP | 10 | 04:54 | 11:11:26.9 | +57:12:39 | 300 | 88 | 3.0 | #2 SN Observat | 2 | |
| 0064.sn2012A | 1800 | 04:58 | 10:25:07.4 | +17:09:15 | 300 | 40 | 3.0 | #2 SN Observat | 2 | |
| 0065.COMP | 10 | 05:30 | 10:25:07.4 | +17:09:15 | 300 | 40 | 3.0 | #2 SN Observat | 2 | |
| 0066.psn1322 | 1800 | 05:33 | 13:22:35.0 | +54:48:48 | 300 | 87 | 3.0 | #2 SN Observat | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0067.COMP | 10 | 06:05 | 13:22:35.0 | +54:48:48 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0068.bcg019 | 480 | 06:07 | 10:22:10.0 | +38:31:24 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0069.COMP | 10 | 06:16 | 10:22:10.0 | +38:31:24 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0070.RWHya | 2 | 06:19 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0071.RWHya | 10 | 06:19 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0072.RWHya | 20 | 06:19 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0073.COMP | 10 | 06:20 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0074.TCrB | 15 | 06:23 | 15:59:30.0 | +25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0075.TCrB | 60 | 06:23 | 15:59:30.0 | +25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0076.COMP | 10 | 06:25 | 15:59:30.0 | +25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0077.sn2011jm | 1800 | 06:29 | 12:54:51.1 | +02:39:15 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0078.COMP | 10 | 06:59 | 12:54:51.1 | +02:39:15 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0079.sn2012bh | 1800 | 07:02 | 12:13:37.3 | +46:29:01 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0080.COMP | 10 | 07:33 | 12:13:37.3 | +46:29:01 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0081.N4853 | 300 | 07:41 | 12:58:35.2 | +27:35:47 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0082.COMP | 10 | 07:47 | 12:58:35.2 | +27:35:47 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0083.2001_WC47 | 420 | 07:52 | 13:17:38.3 | +12:05:05 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0084.2001_WC47 | 420 | 07:59 | 13:17:38.3 | +12:05:05 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0085.2001_WC47 | 420 | 08:06 | 13:17:38.3 | +12:05:05 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0086.COMP | 10 | 08:13 | 13:17:38.3 | +12:05:05 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------------|
| 0087.1996.SK | 360 | 08:17 | 16:24:44.0 | -16:35:22 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0088.1996.SK | 360 | 08:23 | 16:24:44.0 | -16:35:22 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0089.1996.SK | 360 | 08:29 | 16:24:44.0 | -16:35:22 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0090.COMP | 10 | 08:36 | 16:24:44.0 | -16:35:22 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0091.SA105m56 | 40 | 08:38 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0092.COMP | 10 | 08:39 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0093.SA105m56 | 40 | 08:40 | 13:38:42.0 | -01:14:17 | 300 | 49 | 3.0 | #173 Taxonomic | 2 | |
| 0094.COMP | 10 | 08:42 | 13:38:42.0 | -01:14:17 | 300 | 49 | 3.0 | #173 Taxonomic | 2 | |
| 0095.18.SCO | 5 | 08:44 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0096.18.SCO | 1 | 08:44 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0097.18.SCO | 1 | 08:45 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0098.COMP | 10 | 08:45 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0099.2011.WV134 | 540 | 08:49 | 18:51:08.3 | +31:05:32 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0100.2011.WV134 | 540 | 08:58 | 18:51:08.3 | +31:05:32 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0101.2011.WV134 | 540 | 09:07 | 18:51:08.3 | +31:05:32 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0102.COMP | 10 | 09:17 | 18:51:08.3 | +31:05:32 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0103.SA110m361 | 360 | 09:19 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0104.COMP | 10 | 09:25 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0105.FLAT | 7 | 09:31 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | red tilt, tiltpos=700 |
| 0106-0114.FLAT | 7 | 09:34 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------|
| 0115.2011_WV134 | 540 | 09:38 | 18:50:57.6 | +31:01:45 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0116.2011_WV134 | 540 | 09:47 | 18:50:57.6 | +31:01:45 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0117.2011_WV134 | 540 | 09:56 | 18:50:57.6 | +31:01:45 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0118.COMP | 10 | 10:06 | 18:50:57.6 | +31:01:45 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0119.SA110m361 | 360 | 10:07 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0120.COMP | 10 | 10:14 | 18:42:45.0 | +00:08:05 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0121.AS210 | 2 | 10:24 | 16:51:20.3 | -26:00:33 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | combo setup |
| 0122.AS210 | 5 | 10:24 | 16:51:20.3 | -26:00:33 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0123.AS210 | 300 | 10:24 | 16:51:20.3 | -26:00:33 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0124.COMP | 10 | 10:30 | 16:51:20.3 | -26:00:33 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0125.Hen1341 | 12 | 10:32 | 17:08:36.0 | -17:26:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0126.Hen1341 | 30 | 10:33 | 17:08:36.0 | -17:26:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0127.Hen1341 | 60 | 10:34 | 17:08:36.0 | -17:26:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0128.COMP | 10 | 10:35 | 17:08:36.0 | -17:26:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0129.AGDra | 2 | 10:38 | 16:01:41.0 | +66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0130.AGDra | 15 | 10:38 | 16:01:41.0 | +66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0131.AGDra | 60 | 10:39 | 16:01:41.0 | +66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0132.COMP | 10 | 10:40 | 16:01:41.0 | +66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0133.DracoC1 | 1200 | 10:43 | 17:19:58.0 | +57:50:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0134.COMP | 10 | 11:03 | 17:19:58.0 | +57:50:06 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0135.AS281 | 60 | 11:09 | 18:10:44.0 | -27:57:57 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0136.AS281 | 360 | 11:10 | 18:10:44.0 | -27:57:57 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0137.COMP | 10 | 11:17 | 18:10:44.0 | -27:57:57 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0138.Hen1591 | 120 | 11:20 | 18:07:32.0 | -25:53:43 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0139.Hen1591 | 300 | 11:22 | 18:07:32.0 | -25:53:43 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0140.COMP | 10 | 11:28 | 18:07:32.0 | -25:53:43 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0141.N7331 | 180 | 11:31 | 22:37:04.1 | +34:24:56 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0142.COMP | 10 | 11:34 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0143.BDp174708 | 60 | 11:36 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0144.COMP | 10 | 11:37 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0145.BDp284211 | 90 | 11:39 | 21:51:11.0 | +28:51:50 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0146.COMP | 10 | 11:41 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0147-0156.BIAS | 0 | 11:45 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0157-0176.FLAT | 7 | 11:52 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0177-0186.DARK | 900 | 14:30 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---|
| 0001.BIAS | 0 | 22:12 | 06:01:52.5 | +31:30:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0002-0006.DARK | 900 | 23:13 | 06:01:52.5 | +31:30:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0007-0011.DARK | 900 | 00:30 | 06:01:52.5 | +31:30:39 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0012.FLAT | 10 | 00:58 | 06:01:52.5 | +31:30:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | 300gpm, tiltpos 600, 2sec, binby2, Marion css1204 |
| 0013-0031.FLAT | 10 | 01:05 | 06:01:52.5 | +31:30:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0032-0051.BIAS | 0 | 01:10 | 06:01:52.5 | +31:30:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0052.COMP | 10 | 02:02 | 06:01:52.5 | +31:30:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | test |
| 0053.HD84937 | 30 | 02:31 | 09:48:56.1 | +13:44:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0054.COMP | 10 | 02:32 | 09:48:56.1 | +13:44:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0055.HD84937 | 30 | 02:32 | 09:48:56.1 | +13:44:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0056.HD84937 | 30 | 02:33 | 09:48:56.1 | +13:44:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0057.COMP | 10 | 02:34 | 09:48:56.1 | +13:44:39 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0058.HD96971 | 45 | 02:38 | 11:11:28.9 | +73:06:55 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0059.COMP | 10 | 02:39 | 11:11:28.9 | +73:06:55 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0060.HD96971 | 45 | 02:40 | 11:11:28.9 | +73:06:55 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0061.HD96971 | 45 | 02:41 | 11:11:28.9 | +73:06:55 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0062.N3377 | 600 | 02:50 | 10:47:42.4 | +13:59:08 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0063.COMP | 10 | 03:01 | 10:47:42.4 | +13:59:08 | 300 | 89 | 2.0 | #57 Velocity S | 2 | |
| 0064.Feige34 | 240 | 03:03 | 10:39:36.7 | +43:06:09 | 300 | 89 | 2.0 | #56 Spectropho | 2 | |
| 0065.COMP | 10 | 03:07 | 10:39:36.7 | +43:06:09 | 300 | 90 | 2.0 | #56 Spectropho | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0066.css1204 | 420 | 03:12 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0067.COMP | 10 | 03:19 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0068.css1204 | 420 | 03:20 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0069.css1204 | 420 | 03:27 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0070.css1204 | 420 | 03:34 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0071.COMP | 10 | 03:42 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0072.css1204 | 420 | 03:43 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0073.css1204 | 420 | 03:50 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0074.css1204 | 420 | 03:57 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0075.COMP | 10 | 04:05 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0076.css1204 | 420 | 04:05 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0077.css1204 | 420 | 04:13 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0078.COMP | 10 | 04:20 | 11:11:26.9 | +57:12:39 | 300 | 90 | 2.0 | #2 SN Observat | 2 | |
| 0079.COMP | 5 | 04:22 | 11:11:26.9 | +57:12:39 | 300 | 90 | 3.0 | #2 SN Observat | 2 | test |
| 0080.FLAT | 7 | 04:24 | 11:11:26.9 | +57:12:39 | 300 | 90 | 3.0 | #2 SN Observat | 2 | std setup |
| 0081-0099.FLAT | 7 | 04:29 | 11:11:26.9 | +57:12:39 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0100.psn1226 | 1800 | 04:45 | 12:26:56.8 | +15:02:45 | 300 | 34 | 3.0 | #2 SN Observat | 2 | |
| 0101.COMP | 10 | 05:15 | 12:26:56.8 | +15:02:45 | 300 | 34 | 3.0 | #2 SN Observat | 2 | |
| 0102.sn2012au | 1200 | 05:18 | 12:54:52.2 | -10:14:50 | 300 | 109 | 3.0 | #2 SN Observat | 2 | |
| 0103.COMP | 10 | 05:38 | 12:54:52.2 | -10:14:50 | 300 | 109 | 3.0 | #2 SN Observat | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0104.sn2011iy | 1800 | 05:43 | 13:08:58.4 | -15:31:04 | 300 | 0 | 3.0 | #2 SN Observat | 2 | |
| 0105.COMP | 10 | 06:13 | 13:08:58.4 | -15:31:04 | 300 | -1 | 3.0 | #2 SN Observat | 2 | |
| 0106.sn2011fe | 1800 | 06:17 | 14:03:05.8 | +54:16:25 | 300 | 59 | 3.0 | #2 SN Observat | 2 | |
| 0107.COMP | 10 | 06:47 | 14:03:05.8 | +54:16:25 | 300 | 60 | 3.0 | #2 SN Observat | 2 | |
| 0108.BDp332642 | 120 | 06:50 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0109.COMP | 10 | 06:53 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0110.BDp262606 | 60 | 06:54 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0111.COMP | 10 | 06:55 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0112.BDp262606 | 60 | 06:56 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0113.N5846 | 600 | 06:59 | 15:06:29.3 | +01:36:20 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0114.COMP | 10 | 07:09 | 15:06:29.3 | +01:36:20 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0115.hbcg024 | 900 | 07:13 | 13:06:50.0 | +46:33:33 | 300 | 30 | 3.0 | #210 Brightest | 2 | |
| 0116.COMP | 10 | 07:29 | 13:06:50.0 | +46:33:33 | 300 | 30 | 3.0 | #210 Brightest | 2 | |
| 0117.hbcg024 | 900 | 07:29 | 13:06:50.0 | +46:33:33 | 300 | 30 | 3.0 | #210 Brightest | 2 | |
| 0118.hbcg037 | 900 | 07:46 | 15:16:17.9 | +00:05:21 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0119.COMP | 10 | 08:02 | 15:16:17.9 | +00:05:21 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0120.hbcg038 | 1200 | 08:03 | 15:16:34.3 | +00:06:40 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0121.COMP | 10 | 08:24 | 15:16:34.3 | +00:06:40 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0122.bcg063 | 480 | 08:25 | 15:20:24.1 | +31:05:58 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0123.COMP | 10 | 08:34 | 15:20:24.1 | +31:05:58 | 300 | 90 | 3.0 | #210 Brightest | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------------------------|
| 0124.bcg062 | 480 | 08:35 | 15:12:16.4 | +30:31:08 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0125.COMP | 10 | 08:43 | 15:12:16.4 | +30:31:08 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0126.COMP | 5 | 08:46 | 15:12:16.4 | +30:31:08 | 300 | 90 | 3.0 | #210 Brightest | 2 | test |
| 0127.FLAT | 7 | 08:48 | 15:12:16.4 | +30:31:08 | 300 | 1 | 3.0 | #210 Brightest | 2 | 300gpm, 3sec, tiltpos 700, Spahr SSS0 |
| 0128-0141.FLAT | 7 | 08:52 | 15:12:16.4 | +30:31:08 | 300 | 1 | 3.0 | #210 Brightest | 2 | |
| 0142.1996.SK | 360 | 08:55 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | target at pixel 75 |
| 0143.COMP | 10 | 09:01 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0144.1996.SK | 360 | 09:02 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0145.COMP | 10 | 09:09 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0146.1996.SK | 360 | 09:09 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0147.COMP | 10 | 09:16 | 16:19:36.0 | -16:26:35 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0148.18.SCO | 1 | 09:18 | 16:15:37.0 | -08:22:10 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0149.COMP | 10 | 09:19 | 16:15:37.0 | -08:22:10 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0150.18.SCO | 1 | 09:20 | 16:15:37.0 | -08:22:10 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0151.18.SCO | 1 | 09:20 | 16:15:37.0 | -08:22:10 | 300 | 1 | 3.0 | #173 Taxonomic | 2 | |
| 0152.COMP | 5 | 09:23 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0153.COMP | 5 | 09:24 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0154-0173.FLAT | 7 | 09:31 | 16:15:37.0 | -08:22:10 | 300 | 89 | 3.0 | #173 Taxonomic | 2 | |
| 0174.N300020224 | 90 | 09:34 | 18:29:07.0 | +48:01:49 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0175.COMP | 10 | 09:36 | 18:29:07.0 | +48:01:49 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-05-13 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0176.K07869590 | 120 | 09:37 | 18:47:06.3 | +43:40:34 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0177.COMP | 10 | 09:40 | 18:47:06.3 | +43:40:34 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0178.K09754808 | 480 | 09:41 | 18:53:30.9 | +46:30:13 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0179.COMP | 10 | 09:49 | 18:53:30.9 | +46:30:13 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0180.RSOph | 10 | 09:51 | 17:50:13.0 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0181.RSOph | 60 | 09:52 | 17:50:13.0 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0182.RSOph | 150 | 09:53 | 17:50:13.0 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0183.COMP | 10 | 09:56 | 17:50:13.0 | -06:42:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0184.AS270 | 60 | 09:57 | 18:05:33.7 | -20:20:38 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0185.AS270 | 300 | 09:59 | 18:05:33.7 | -20:20:38 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0186.COMP | 10 | 10:04 | 18:05:33.7 | -20:20:38 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0187.AS289 | 15 | 10:06 | 18:12:22.0 | -11:40:08 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0188.AS289 | 420 | 10:06 | 18:12:22.0 | -11:40:08 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0189.COMP | 10 | 10:13 | 18:12:22.0 | -11:40:08 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0190.YYHer | 10 | 10:15 | 18:14:34.0 | +20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0191.YYHer | 60 | 10:16 | 18:14:34.0 | +20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0192.COMP | 10 | 10:17 | 18:14:34.0 | +20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0193.AS296 | 30 | 10:19 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0194.AS296 | 120 | 10:19 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0195.COMP | 10 | 10:22 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

UT Date 2012-05-13 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------|----------|----------|------------|-----------|-----|------|------|---------------|-----|---|
| 0196.Hen1674 | 120 | 10:25 | 18:20:19.1 | -26:22:46 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | beats me if I got the right star, but it is at pixel 75 |
| 0197.COMP | 10 | 10:28 | 18:20:19.1 | -26:22:46 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0198.Hen1674 | 600 | 10:28 | 18:20:19.1 | -26:22:46 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0199.V443Her | 5 | 10:40 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0200.V443Her | 45 | 10:41 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0201.V443Her | 90 | 10:42 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0202.COMP | 10 | 10:44 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0203.AS316 | 30 | 10:49 | 18:42:33.0 | -21:17:47 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0204.AS316 | 300 | 10:50 | 18:42:33.0 | -21:17:47 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0205.COMP | 10 | 10:55 | 18:42:33.0 | -21:17:47 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0206.AS327 | 30 | 10:56 | 18:53:17.0 | -24:22:59 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0207.AS327 | 300 | 10:57 | 18:53:17.0 | -24:22:59 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0208.COMP | 10 | 11:02 | 18:53:17.0 | -24:22:59 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0209.AS338 | 90 | 11:06 | 19:03:47.0 | +16:26:17 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0210.COMP | 10 | 11:08 | 19:03:47.0 | +16:26:17 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0211.V919Sgr | 15 | 11:10 | 19:03:45.0 | -16:59:56 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0212.V919Sgr | 30 | 11:10 | 19:03:45.0 | -16:59:56 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0213.COMP | 10 | 11:11 | 19:03:45.0 | -16:59:56 | 300 | 60 | 3.0 | #12 Symbiotic | 2 | |
| 0214.BFCyg | 15 | 11:14 | 19:23:53.0 | +29:40:27 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0215.BFCyg | 15 | 11:14 | 19:23:53.0 | +29:40:27 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0216.COMP | 10 | 11:15 | 19:23:53.0 | +29:40:27 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0217.CHCyg | 1 | 11:16 | 19:24:33.0 | +50:14:30 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0218.CHCyg | 5 | 11:17 | 19:24:33.0 | +50:14:30 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0219.CHCyg | 30 | 11:17 | 19:24:33.0 | +50:14:30 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0220.COMP | 10 | 11:18 | 19:24:33.0 | +50:14:30 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0221.CICyg | 4 | 11:20 | 19:50:12.0 | +35:41:02 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0222.CICyg | 15 | 11:20 | 19:50:12.0 | +35:41:02 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0223.COMP | 10 | 11:21 | 19:50:12.0 | +35:41:02 | 300 | 50 | 3.0 | #12 Symbiotic | 2 | |
| 0224.AS360 | 60 | 11:25 | 19:45:49.0 | +18:36:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0225.AS360 | 300 | 11:26 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0226.COMP | 10 | 11:32 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0227.K05095511 | 420 | 11:35 | 19:22:33.6 | +40:14:14 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0228.COMP | 10 | 11:42 | 19:22:33.6 | +40:14:14 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0229.BDp404032 | 120 | 11:43 | 20:08:24.1 | +41:15:04 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0230.COMP | 10 | 11:46 | 20:08:24.1 | +41:15:04 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0231.K05630212 | 90 | 11:47 | 19:39:10.0 | +40:52:15 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0232.COMP | 10 | 11:49 | 19:39:10.0 | +40:52:15 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0233.K11913071 | 30 | 11:50 | 19:24:14.7 | +50:15:20 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0234.COMP | 10 | 11:51 | 19:24:14.7 | +50:15:20 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0235.K11913071 | 30 | 11:52 | 19:24:14.7 | +50:15:20 | 300 | 90 | 3.0 | #192 DASCH Lon | 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0236.BDp174708 | 90 | 11:55 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0237.BDp174708 | 90 | 11:57 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0238.COMP | 10 | 11:58 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0239-0248.BIAS | 0 | 12:04 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0249-0258.FLAT | 4 | 12:06 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0259-0268.BIAS | 0 | 12:08 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0269-0283.FLAT | 7 | 12:12 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0284-0287.DARK | 900 | 13:20 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0288-0292.DARK | 900 | 14:36 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |

UT Date 2012-05-14 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0001-0005.DARK | 900 | 00:05 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0006-0010.DARK | 900 | 01:21 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0011.BIAS | 0 | 01:43 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | std setup |
| 0012-0020.BIAS | 0 | 01:44 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0021-0030.FLAT | 4 | 01:46 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0031-0040.BIAS | 0 | 01:48 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0041-0055.FLAT | 7 | 01:53 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0056.HD84937 | 20 | 02:30 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0057.COMP | 10 | 02:31 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0058.HD84937 | 20 | 02:31 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0059.HD96971 | 40 | 02:34 | 11:11:28.9 | +73:06:55 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0060.COMP | 10 | 02:35 | 11:11:28.9 | +73:06:55 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0061.HD96971 | 40 | 02:36 | 11:11:28.9 | +73:06:55 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0062.N233110357 | 90 | 02:42 | 08:27:13.6 | +41:28:33 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0063.COMP | 10 | 02:44 | 08:27:13.6 | +41:28:33 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0064.N231310224 | 120 | 02:46 | 08:30:38.5 | +14:07:13 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0065.COMP | 10 | 02:48 | 08:30:38.5 | +14:07:13 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0066.N3377 | 300 | 02:50 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0067.COMP | 10 | 02:55 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0068.Feige34 | 180 | 02:57 | 10:39:36.7 | +43:06:09 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------------|
| 0069.COMP | 10 | 03:01 | 10:39:36.7 | +43:06:09 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0070.N233031012 | 180 | 03:02 | 09:34:08.8 | +26:28:05 | 300 | 88 | 3.0 | #192 DASCH Lon | 2 | |
| 0071.COMP | 10 | 03:06 | 09:34:08.8 | +26:28:05 | 300 | 88 | 3.0 | #192 DASCH Lon | 2 | |
| 0072.N233012397 | 1200 | 03:08 | 09:53:10.0 | +33:53:53 | 300 | 88 | 3.0 | #192 DASCH Lon | 2 | |
| 0073.COMP | 10 | 03:29 | 09:53:10.0 | +33:53:53 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0074.HD96700 | 3 | 03:32 | 11:07:54.0 | -30:10:28 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0075.HD96700 | 3 | 03:32 | 11:07:54.0 | -30:10:28 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0076.HD96700 | 3 | 03:32 | 11:07:54.0 | -30:10:28 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0077.COMP | 10 | 03:33 | 11:07:54.0 | -30:10:28 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0078.2004_EW9 | 720 | 03:36 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | target at pixel 75 throughout |
| 0079.COMP | 10 | 03:49 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0080.2004_EW9 | 720 | 03:49 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0081.COMP | 10 | 04:02 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0082.2004_EW9 | 720 | 04:02 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0083.COMP | 10 | 04:15 | 10:57:18.3 | -25:26:43 | 300 | 33 | 3.0 | #173 Taxonomic | 2 | |
| 0084.S120311313 | 45 | 04:18 | 11:42:25.6 | -07:37:34 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0085.COMP | 10 | 04:19 | 11:42:25.6 | -07:37:34 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0086.N200010290 | 180 | 04:21 | 11:55:59.3 | +08:49:45 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0087.COMP | 10 | 04:24 | 11:55:59.3 | +08:49:45 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0088.N123132217 | 15 | 04:26 | 12:27:57.9 | +18:48:08 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------------|
| 0089.COMP | 10 | 04:26 | 12:27:57.9 | +18:48:08 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0090.S200113023 | 45 | 04:28 | 12:28:08.4 | -14:02:43 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0091.COMP | 10 | 04:29 | 12:28:08.4 | -14:02:43 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0092.N120223072 | 540 | 04:31 | 12:28:58.3 | +13:51:45 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | seeing fair |
| 0093.COMP | 10 | 04:40 | 12:28:58.3 | +13:51:45 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0094.S200333388 | 720 | 04:42 | 12:31:09.6 | -07:20:40 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | bit weak, so got another |
| 0095.COMP | 10 | 04:55 | 12:31:09.6 | -07:20:40 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0096.S200333388 | 720 | 04:55 | 12:31:09.6 | -07:20:40 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0097.COMP | 10 | 05:08 | 12:31:09.6 | -07:20:40 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0098.bcg050 | 480 | 05:09 | 12:29:53.9 | +10:20:17 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0099.COMP | 10 | 05:18 | 12:29:53.9 | +10:20:17 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0100.hbcg022 | 900 | 05:20 | 12:30:46.1 | +10:33:17 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0101.COMP | 10 | 05:35 | 12:30:46.1 | +10:33:17 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0102.hbcg023 | 600 | 05:36 | 12:31:48.8 | +10:20:27 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0103.COMP | 10 | 05:47 | 12:31:48.8 | +10:20:27 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0104.hbcg025 | 1200 | 05:51 | 13:11:30.1 | -01:20:28 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0105.COMP | 10 | 06:11 | 13:11:30.1 | -01:20:28 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0106.hbcg028 | 1200 | 06:13 | 13:35:20.1 | +41:00:04 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0107.COMP | 10 | 06:34 | 13:35:20.1 | +41:00:04 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0108.sn2012bm | 1800 | 06:37 | 13:05:45.7 | +46:27:53 | 300 | 45 | 3.0 | #2 SN Observat | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------------|
| 0109.COMP | 10 | 07:07 | 13:05:45.7 | +46:27:53 | 300 | 45 | 3.0 | #2 SN Observat | 2 | |
| 0110.hbcg029 | 2400 | 07:12 | 14:21:24.8 | +37:06:54 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0111.COMP | 10 | 07:53 | 14:21:24.8 | +37:06:54 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0112.hbcg039 | 841 | 07:59 | 15:16:51.5 | +00:13:42 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0113.COMP | 10 | 08:13 | 15:16:51.5 | +00:13:42 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0114.hbcg040 | 1200 | 08:15 | 15:18:45.0 | +06:16:27 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0115.COMP | 10 | 08:35 | 15:18:45.0 | +06:16:27 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0116.hbcg041 | 1800 | 08:38 | 16:40:08.3 | +47:09:38 | 300 | 86 | 3.0 | #210 Brightest | 2 | |
| 0117.COMP | 10 | 09:09 | 16:40:08.3 | +47:09:38 | 300 | 86 | 3.0 | #210 Brightest | 2 | |
| 0118.bcg079 | 1500 | 09:12 | 16:01:11.9 | +53:56:55 | 300 | 87 | 3.0 | #210 Brightest | 2 | |
| 0119.COMP | 10 | 09:38 | 16:01:11.9 | +53:56:55 | 300 | 87 | 3.0 | #210 Brightest | 2 | |
| 0120.K2437060 | 1800 | 09:41 | 19:20:47.9 | +37:46:37 | 300 | 87 | 3.0 | #192 DASCH Lon | 2 | target is the one at y 73 |
| 0121.COMP | 10 | 10:11 | 19:20:47.9 | +37:46:37 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0122.K11862915 | 180 | 10:13 | 19:24:57.3 | +50:10:49 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0123.COMP | 10 | 10:16 | 19:24:57.3 | +50:10:49 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0124.K11862915 | 180 | 10:17 | 19:24:57.3 | +50:10:49 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0125.K2708156 | 90 | 10:21 | 19:21:08.9 | +37:56:11 | 300 | 91 | 3.0 | #192 DASCH Lon | 2 | |
| 0126.COMP | 10 | 10:23 | 19:21:08.9 | +37:56:11 | 300 | 91 | 3.0 | #192 DASCH Lon | 2 | |
| 0127.K8387281 | 1200 | 10:25 | 19:54:08.1 | +44:22:17 | 300 | 61 | 3.0 | #192 DASCH Lon | 2 | |
| 0128.COMP | 10 | 10:46 | 19:54:08.1 | +44:22:17 | 300 | 61 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-05-14 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0129.K11913071 | 30 | 10:47 | 19:24:14.7 | +50:15:20 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0130.COMP | 10 | 10:48 | 19:24:14.7 | +50:15:20 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0131.K2437762 | 900 | 10:51 | 19:21:00.0 | +37:46:03 | 300 | 73 | 3.0 | #192 DASCH Lon | 2 | |
| 0132.COMP | 10 | 11:07 | 19:21:00.0 | +37:46:03 | 300 | 73 | 3.0 | #192 DASCH Lon | 2 | |
| 0133.K2437762 | 900 | 11:07 | 19:21:00.0 | +37:46:03 | 300 | 72 | 3.0 | #192 DASCH Lon | 2 | |
| 0134.K8171171 | 360 | 11:23 | 19:34:53.9 | +44:01:55 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0135.COMP | 10 | 11:30 | 19:34:53.9 | +44:01:55 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0136.K05471548 | 240 | 11:31 | 19:50:43.7 | +40:40:44 | 300 | 87 | 3.0 | #192 DASCH Lon | 2 | |
| 0137.COMP | 10 | 11:36 | 19:50:43.7 | +40:40:44 | 300 | 87 | 3.0 | #192 DASCH Lon | 2 | |
| 0138.K10047202 | 240 | 11:37 | 20:13:37.1 | +46:54:24 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0139.COMP | 10 | 11:41 | 20:13:37.1 | +46:54:24 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0140.BDp404032 | 120 | 11:43 | 20:08:24.1 | +41:15:04 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0141.COMP | 10 | 11:45 | 20:08:24.1 | +41:15:04 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0142.BDp174708 | 90 | 11:47 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0143.BDp174708 | 90 | 11:49 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0144.COMP | 10 | 11:51 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0145.K09859386 | 5 | 11:53 | 20:05:25.7 | +46:40:19 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0146.K09859386 | 10 | 11:53 | 20:05:25.7 | +46:40:19 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0147.COMP | 10 | 11:53 | 20:05:25.7 | +46:40:19 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0148.K00987291 | 5 | 11:55 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-05-14 Observers IrwinColl. Focus 1310 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0149.K00987291 | 10 | 11:55 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0150.COMP | 10 | 11:56 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0151-0160.BIAS | 0 | 12:00 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | |
| 0161-0170.FLAT | 4 | 12:02 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | |
| 0171-0180.BIAS | 0 | 12:04 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0181-0195.FLAT | 7 | 12:08 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0196-0200.DARK | 900 | 13:17 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0201-0205.DARK | 900 | 14:33 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | |

UT Date 2012-05-15 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0001-0005.DARK | 900 | 00:57 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0006.BIAS | 0 | 01:45 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | std setup |
| 0007-0015.BIAS | 0 | 01:47 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | |
| 0016-0025.FLAT | 4 | 01:49 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 4 | |
| 0026-0035.BIAS | 0 | 01:51 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0036-0050.FLAT | 7 | 01:55 | 20:13:50.3 | +36:37:23 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0051.HD84937 | 20 | 02:33 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | test |
| 0052.COMP | 10 | 02:34 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0053.HD84937 | 20 | 02:39 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0054.HD84937 | 20 | 02:39 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0055.HD84937 | 20 | 02:40 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0056.HD96971 | 60 | 02:42 | 11:11:28.9 | +73:06:55 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0057.COMP | 10 | 02:43 | 11:11:28.9 | +73:06:55 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0058.HD96971 | 60 | 02:44 | 11:11:28.9 | +73:06:55 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0059.N233233014 | 120 | 02:47 | 08:15:36.0 | +29:46:38 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0060.COMP | 10 | 02:50 | 08:15:36.0 | +29:46:38 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0061.N233220345 | 180 | 02:52 | 08:17:44.5 | +36:26:06 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0062.COMP | 10 | 02:55 | 08:17:44.5 | +36:26:06 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0063.Feige34 | 180 | 02:57 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0064.COMP | 10 | 03:01 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-15 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------------------|
| 0065.N3377 | 300 | 03:02 | 10:47:42.4 | +13:59:08 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0066.COMP | 10 | 03:08 | 10:47:42.4 | +13:59:08 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0067.N231222276 | 1200 | 03:10 | 08:35:53.1 | +20:55:08 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | seeing not great about 2 arcsec |
| 0068.COMP | 10 | 03:30 | 08:35:53.1 | +20:55:08 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0069.psn1113 | 1800 | 03:35 | 11:13:49.5 | -29:55:32 | 300 | 10 | 3.0 | #2 SN Observat | 2 | |
| 0070.COMP | 10 | 04:06 | 11:13:49.5 | -29:55:32 | 300 | 9 | 3.0 | #2 SN Observat | 2 | |
| 0071.sn2010j1 | 1800 | 04:10 | 09:42:53.3 | +09:29:42 | 300 | 110 | 3.0 | #2 SN Observat | 2 | |
| 0072.COMP | 10 | 04:40 | 09:42:53.3 | +09:29:42 | 300 | 110 | 3.0 | #2 SN Observat | 2 | |
| 0073.sn2012A | 1800 | 04:44 | 10:25:07.4 | +17:09:15 | 300 | 21 | 3.0 | #2 SN Observat | 2 | |
| 0074.COMP | 10 | 05:14 | 10:25:07.4 | +17:09:15 | 300 | 21 | 3.0 | #2 SN Observat | 2 | |
| 0075.bcg039 | 2400 | 05:19 | 11:23:06.3 | +56:01:03 | 300 | 20 | 3.0 | #210 Brightest | 2 | |
| 0076.COMP | 10 | 05:59 | 11:23:06.3 | +56:01:03 | 300 | 20 | 3.0 | #210 Brightest | 2 | |
| 0077.bcg051 | 704 | 06:02 | 13:23:02.1 | +11:01:32 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0078.COMP | 10 | 06:14 | 13:23:02.1 | +11:01:32 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0079.bcg052 | 421 | 06:16 | 13:23:02.7 | +11:05:25 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0080.COMP | 10 | 06:23 | 13:23:02.7 | +11:05:25 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0081.bcg053 | 720 | 06:25 | 13:26:34.0 | +11:18:06 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0082.COMP | 10 | 06:38 | 13:26:34.0 | +11:18:06 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0083.bcg054 | 720 | 06:39 | 13:29:01.9 | +10:42:21 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0084.COMP | 10 | 06:51 | 13:29:01.9 | +10:42:21 | 300 | 70 | 3.0 | #210 Brightest | 2 | |

UT Date 2012-05-15 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------------|
| 0085.bcg055 | 600 | 06:53 | 13:29:29.6 | +11:42:03 | 300 | 70 | 3.0 | #210 Brightest | 2 | seeing getting worse |
| 0086.COMP | 10 | 07:03 | 13:29:29.6 | +11:42:03 | 300 | 70 | 3.0 | #210 Brightest | 2 | |
| 0087.psn1322 | 1800 | 07:05 | 13:22:35.3 | +54:48:48 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0088.COMP | 10 | 07:36 | 13:22:35.3 | +54:48:48 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0089.bcg057 | 1200 | 07:38 | 14:09:46.0 | +42:18:19 | 300 | 89 | 3.0 | #210 Brightest | 2 | bit weak, will get another |
| 0090.COMP | 10 | 07:58 | 14:09:46.0 | +42:18:19 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0091.bcg057 | 1200 | 07:59 | 14:09:46.0 | +42:18:19 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0092.bcg058 | 720 | 08:19 | 14:13:30.1 | +43:22:07 | 300 | 89 | 3.0 | #210 Brightest | 2 | bit weak, will get another |
| 0093.COMP | 10 | 08:32 | 14:13:30.1 | +43:22:07 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0094.bcg058 | 720 | 08:34 | 14:13:30.1 | +43:22:07 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0095.bcg064 | 1200 | 08:47 | 15:37:47.8 | +30:33:23 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0096.COMP | 10 | 09:08 | 15:37:47.8 | +30:33:23 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0097.bcg065 | 1800 | 09:09 | 15:38:30.7 | +30:02:18 | 300 | 80 | 3.0 | #210 Brightest | 2 | seeing getting really bad |
| 0098.COMP | 10 | 09:40 | 15:38:30.7 | +30:02:18 | 300 | 80 | 3.0 | #210 Brightest | 2 | |
| 0099.bcg066 | 1800 | 09:41 | 15:39:28.0 | +30:44:25 | 300 | 80 | 3.0 | #210 Brightest | 2 | |
| 0100.COMP | 10 | 10:11 | 15:39:28.0 | +30:44:25 | 300 | 80 | 3.0 | #210 Brightest | 2 | |
| 0101.bcg080 | 1200 | 10:14 | 16:00:11.7 | +53:58:06 | 300 | 61 | 3.0 | #210 Brightest | 2 | |
| 0102.COMP | 10 | 10:35 | 16:00:11.7 | +53:58:06 | 300 | 61 | 3.0 | #210 Brightest | 2 | |
| 0103.bcg091 | 900 | 10:37 | 16:59:43.9 | +32:36:55 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0104.COMP | 10 | 10:52 | 16:59:43.9 | +32:36:55 | 300 | 89 | 3.0 | #210 Brightest | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0105.bcg092 | 900 | 10:54 | 17:01:09.2 | +32:49:18 | 300 | 100 | 3.0 | #210 Brightest | 2 | |
| 0106.COMP | 10 | 11:09 | 17:01:09.2 | +32:49:18 | 300 | 100 | 3.0 | #210 Brightest | 2 | |
| 0107.K11962918 | 1200 | 11:12 | 19:25:29.3 | +50:23:15 | 300 | 87 | 3.0 | #192 DASCH Lon | 2 | |
| 0108.COMP | 10 | 11:32 | 19:25:29.3 | +50:23:15 | 300 | 87 | 3.0 | #192 DASCH Lon | 2 | |
| 0109.BDp404032 | 180 | 11:34 | 20:08:24.1 | +41:15:04 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0110.COMP | 10 | 11:37 | 20:08:24.1 | +41:15:04 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0111.K00295690 | 120 | 11:38 | 20:08:04.6 | +36:07:26 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0112.COMP | 10 | 11:41 | 20:08:04.6 | +36:07:26 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0113.K00295690 | 60 | 11:41 | 20:08:04.6 | +36:07:26 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0114.K04974759 | 30 | 11:43 | 20:11:54.4 | +40:00:30 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0115.COMP | 10 | 11:44 | 20:11:54.4 | +40:00:30 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0116.BDp284211 | 90 | 11:46 | 21:51:11.0 | +28:51:50 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0117.COMP | 10 | 11:48 | 21:51:11.0 | +28:51:50 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0118.BDp174708 | 90 | 11:49 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0119.COMP | 10 | 11:51 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0120.BDp174708 | 90 | 11:51 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0121-0130.BIAS | 0 | 11:57 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0131-0140.FLAT | 4 | 11:59 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0141-0150.BIAS | 0 | 12:01 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0151-0165.FLAT | 7 | 12:05 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-15 Observers IrwinColl. Focus 1310 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0166-0170.DARK | 900 | 13:14 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0171-0175.DARK | 900 | 14:30 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |

UT Date 2012-05-16 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0001.BIAS | 0 | 22:51 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 2 | test |
| 0002-0006.DARK | 900 | 00:32 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0007.BIAS | 0 | 01:40 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 4 | std setup |
| 0008-0016.BIAS | 0 | 01:41 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0017-0026.FLAT | 4 | 01:43 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0027-0036.BIAS | 0 | 01:45 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0037-0051.FLAT | 7 | 01:50 | 01:09:52.4 | +31:26:45 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.HD84937 | 20 | 02:42 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0053.COMP | 10 | 02:43 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0054.HD84937 | 20 | 02:44 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0055.HD84937 | 20 | 02:44 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0056.N223003069 | 120 | 02:50 | 07:36:06.5 | +21:14:11 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0057.COMP | 10 | 02:52 | 07:36:06.5 | +21:14:11 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0058.N230100391 | 120 | 02:53 | 07:46:11.9 | +26:24:39 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0059.COMP | 10 | 02:55 | 07:46:11.9 | +26:24:39 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0060.Feige34 | 180 | 02:57 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0061.COMP | 10 | 03:01 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0062.N3377 | 300 | 03:02 | 10:47:42.4 | +13:59:08 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0063.COMP | 10 | 03:08 | 10:47:42.4 | +13:59:08 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0064.N231201025 | 180 | 03:10 | 08:05:10.8 | +18:40:33 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-05-16 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---|
| 0065.COMP | 10 | 03:13 | 08:05:10.8 | +18:40:33 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0066.COMP | 5 | 03:16 | 08:05:10.8 | +18:40:33 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | test |
| 0067.COMP | 5 | 03:18 | 08:05:10.8 | +18:40:33 | 300 | 35 | 3.0 | #192 DASCH Lon | 2 | test |
| 0068.FLAT | 7 | 03:18 | 08:05:10.8 | +18:40:33 | 300 | 35 | 3.0 | #192 DASCH Lon | 2 | 300gpm, 3sec, tiltpos 700, Spahr SSS0 red |
| 0069-0082.FLAT | 7 | 03:23 | 08:05:10.8 | +18:40:33 | 300 | 35 | 3.0 | #192 DASCH Lon | 2 | |
| 0083.HD96700 | 3 | 03:26 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | focus garbage |
| 0084.HD96700 | 3 | 03:26 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0085.HD96700 | 3 | 03:27 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0086.HD96700 | 3 | 03:28 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | redone after focus, better |
| 0087.HD96700 | 3 | 03:28 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0088.HD96700 | 3 | 03:28 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0089.COMP | 10 | 03:29 | 11:07:54.0 | -30:10:28 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0090.2004_EW9 | 720 | 03:31 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0091.COMP | 10 | 03:43 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0092.2004_EW9 | 720 | 03:44 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0093.COMP | 10 | 03:56 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0094.2004_EW9 | 720 | 03:57 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0095.COMP | 10 | 04:09 | 10:53:56.4 | -24:54:01 | 300 | 35 | 3.0 | #173 Taxonomic | 2 | |
| 0096.SA105m56 | 40 | 04:15 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0097.SA105m56 | 40 | 04:16 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0098.SA105m56 | 40 | 04:17 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0099.COMP | 10 | 04:18 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0100.2001_WC47 | 720 | 04:19 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0101.COMP | 10 | 04:32 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0102.2001_WC47 | 720 | 04:32 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0103.COMP | 10 | 04:45 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0104.2001_WC47 | 720 | 04:46 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0105.COMP | 10 | 04:58 | 13:31:01.6 | +08:21:16 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0106.SA105m56 | 80 | 04:59 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0107.SA105m56 | 80 | 05:01 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0108.SA105m56 | 80 | 05:02 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0109.COMP | 10 | 05:04 | 13:38:42.0 | -01:14:17 | 300 | 52 | 3.0 | #173 Taxonomic | 2 | |
| 0110.COMP | 5 | 05:07 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | test |
| 0111.COMP | 5 | 05:08 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | test |
| 0112.FLAT | 7 | 05:09 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | std setup |
| 0113-0126.FLAT | 7 | 05:13 | 13:38:42.0 | -01:14:17 | 300 | 90 | 3.0 | #173 Taxonomic | 2 | |
| 0127.psn1226 | 1800 | 05:15 | 12:26:56.8 | +15:02:45 | 300 | 45 | 3.0 | #2 SN Observat | 2 | |
| 0128.COMP | 10 | 05:45 | 12:26:56.8 | +15:02:45 | 300 | 45 | 3.0 | #2 SN Observat | 2 | |
| 0129.sn2012bm | 1800 | 05:49 | 13:05:45.7 | +46:27:53 | 300 | 46 | 3.0 | #2 SN Observat | 2 | |
| 0130.COMP | 10 | 06:20 | 13:05:45.7 | +46:27:53 | 300 | 46 | 3.0 | #2 SN Observat | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---|
| 0131.sn2011fe | 1800 | 06:23 | 14:03:05.8 | +54:16:25 | 300 | -18 | 3.0 | #2 SN Observat | 2 | |
| 0132.COMP | 10 | 06:54 | 14:03:05.8 | +54:16:25 | 300 | -18 | 3.0 | #2 SN Observat | 2 | |
| 0133.bcg059 | 1200 | 06:56 | 14:17:17.3 | +43:31:16 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0134.COMP | 10 | 07:16 | 14:17:17.3 | +43:31:16 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0135.bcg060 | 1200 | 07:18 | 14:21:02.2 | +44:33:51 | 300 | 93 | 3.0 | #210 Brightest | 2 | |
| 0136.COMP | 10 | 07:38 | 14:21:02.2 | +44:33:51 | 300 | 93 | 3.0 | #210 Brightest | 2 | |
| 0137.bcg061 | 544 | 07:40 | 15:18:42.1 | +47:33:05 | 300 | 93 | 3.0 | #210 Brightest | 2 | |
| 0138.COMP | 10 | 07:50 | 15:18:42.1 | +47:33:05 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0139.bcg067 | 675 | 07:51 | 15:41:50.2 | +29:54:59 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0140.COMP | 10 | 08:03 | 15:41:50.2 | +29:54:59 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0141.15531790-0444453 | 1800 | 08:08 | 15:53:17.9 | -04:44:45 | 300 | 91 | 3.0 | 141 2MRS | 2 | target completely invisible even in exc conditions, tried anywa |
| 0142.COMP | 10 | 08:38 | 15:53:17.9 | -04:44:45 | 300 | 91 | 3.0 | 141 2MRS | 2 | |
| 0143.bcg081 | 900 | 08:41 | 15:59:45.0 | +53:56:33 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0144.COMP | 10 | 08:56 | 15:59:45.0 | +53:56:33 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0145.bcg082 | 1800 | 08:58 | 16:00:09.5 | +53:38:47 | 300 | 99 | 3.0 | #210 Brightest | 2 | |
| 0146.COMP | 10 | 09:28 | 16:00:09.5 | +53:38:47 | 300 | 99 | 3.0 | #210 Brightest | 2 | |
| 0147.bcg093 | 1800 | 09:30 | 17:01:26.6 | +34:00:47 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0148.COMP | 10 | 10:00 | 17:01:26.6 | +34:00:47 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0149.K8638768 | 1800 | 10:03 | 19:46:40.0 | +44:47:03 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0150.COMP | 10 | 10:33 | 19:46:40.0 | +44:47:03 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |

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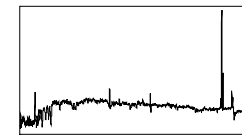
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0151.K10614158 | 1020 | 10:35 | 19:47:54.1 | +47:53:12 | 300 | 91 | 3.0 | #192 DASCH Lon | 2 | |
| 0152.COMP | 10 | 10:52 | 19:47:54.1 | +47:53:12 | 300 | 91 | 3.0 | #192 DASCH Lon | 2 | |
| 0153.K2570134 | 1800 | 10:54 | 19:20:58.5 | +37:50:08 | 300 | 83 | 3.0 | #192 DASCH Lon | 2 | |
| 0154.COMP | 10 | 11:25 | 19:20:58.5 | +37:50:08 | 300 | 83 | 3.0 | #192 DASCH Lon | 2 | |
| 0155.PUVu1 | 1 | 11:27 | 20:21:13.0 | +21:34:21 | 300 | 83 | 3.0 | #12 Symbiotic | 2 | |
| 0156.PUVu1 | 10 | 11:27 | 20:21:13.0 | +21:34:21 | 300 | 83 | 3.0 | #12 Symbiotic | 2 | |
| 0157.PUVu1 | 60 | 11:28 | 20:21:13.0 | +21:34:21 | 300 | 83 | 3.0 | #12 Symbiotic | 2 | |
| 0158.COMP | 10 | 11:29 | 20:21:13.0 | +21:34:21 | 300 | 83 | 3.0 | #12 Symbiotic | 2 | |
| 0159.N313311705 | 360 | 11:32 | 21:06:26.3 | +17:57:07 | 300 | 83 | 3.0 | #192 DASCH Lon | 2 | |
| 0160.COMP | 10 | 11:38 | 21:06:26.3 | +17:57:07 | 300 | 85 | 3.0 | #192 DASCH Lon | 2 | |
| 0161.BDp174708 | 90 | 11:39 | 22:11:31.4 | +18:05:34 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0162.BDp174708 | 90 | 11:41 | 22:11:31.4 | +18:05:34 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0163.COMP | 10 | 11:43 | 22:11:31.4 | +18:05:34 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0164.BDp284211 | 90 | 11:44 | 21:51:11.0 | +28:51:50 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0165.BDp284211 | 90 | 11:46 | 21:51:11.0 | +28:51:50 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0166.COMP | 10 | 11:48 | 21:51:11.0 | +28:51:50 | 300 | 110 | 3.0 | #56 Spectropho | 2 | |
| 0167.NO31322285 | 120 | 11:49 | 21:10:23.5 | +14:04:46 | 300 | 110 | 3.0 | #192 DASCH Lon | 2 | |
| 0168.COMP | 10 | 11:52 | 21:10:23.5 | +14:04:46 | 300 | 110 | 3.0 | #192 DASCH Lon | 2 | |
| 0169.NO31123054 | 60 | 11:53 | 21:34:00.7 | +17:45:00 | 300 | 110 | 3.0 | #192 DASCH Lon | 2 | |
| 0170.COMP | 10 | 11:54 | 21:34:00.7 | +17:45:00 | 300 | 110 | 3.0 | #192 DASCH Lon | 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0171-0180.BIAS | 0 | 11:59 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | |
| 0181-0190.FLAT | 4 | 12:01 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | |
| 0191-0200.BIAS | 0 | 12:03 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0201-0215.FLAT | 7 | 12:08 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0216-0220.DARK | 900 | 13:15 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0221-0224.DARK | 900 | 14:17 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------|
| 0001-0008.DARK | 900 | 00:56 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0009.BIAS | 0 | 01:42 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | std setup |
| 0010-0018.BIAS | 0 | 01:43 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | |
| 0019-0028.FLAT | 4 | 01:45 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 4 | |
| 0029-0038.BIAS | 0 | 01:47 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0039-0053.FLAT | 7 | 01:52 | 21:34:00.7 | +17:45:00 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0054.HD84937 | 20 | 02:46 | 09:48:56.1 | +13:44:39 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0055.COMP | 10 | 02:47 | 09:48:56.1 | +13:44:39 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0056.HD84937 | 20 | 02:48 | 09:48:56.1 | +13:44:39 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0057.HD84937 | 20 | 02:48 | 09:48:56.1 | +13:44:39 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0058.Feige34 | 180 | 02:50 | 10:39:36.7 | +43:06:09 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0059.COMP | 10 | 02:53 | 10:39:36.7 | +43:06:09 | 300 | 40 | 3.0 | #56 Spectropho | 2 | |
| 0060.N3377 | 300 | 02:55 | 10:47:42.4 | +13:59:08 | 300 | 40 | 3.0 | #57 Velocity S | 2 | |
| 0061.COMP | 10 | 03:00 | 10:47:42.4 | +13:59:08 | 300 | 40 | 3.0 | #57 Velocity S | 2 | |
| 0062.N221133017 | 300 | 03:04 | 07:54:45.9 | +16:41:41 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0063.COMP | 10 | 03:09 | 07:54:45.9 | +16:41:41 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0064.N233232049 | 300 | 03:11 | 08:22:20.5 | +26:40:34 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0065.COMP | 10 | 03:16 | 08:22:20.5 | +26:40:34 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0066.N223210039 | 180 | 03:18 | 07:35:48.0 | +11:01:15 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | saturated at red end |
| 0067.COMP | 10 | 03:21 | 07:35:48.0 | +11:01:15 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0068.N223210039 | 60 | 03:22 | 07:35:48.0 | +11:01:15 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0069.bcg009 | 995 | 03:26 | 10:06:12.5 | -01:32:46 | 300 | 35 | 3.0 | #210 Brightest | 2 | |
| 0070.COMP | 10 | 03:43 | 10:06:12.5 | -01:32:46 | 300 | 35 | 3.0 | #210 Brightest | 2 | |
| 0071.bcg010 | 1500 | 03:45 | 10:12:51.8 | +00:06:04 | 300 | 36 | 3.0 | #210 Brightest | 2 | |
| 0072.COMP | 10 | 04:10 | 10:12:51.8 | +00:06:04 | 300 | 36 | 3.0 | #210 Brightest | 2 | |
| 0073.bcg011 | 1800 | 04:14 | 10:12:56.7 | -00:27:54 | 300 | 44 | 3.0 | #210 Brightest | 2 | |
| 0074.COMP | 10 | 04:45 | 10:12:56.7 | -00:27:54 | 300 | 44 | 3.0 | #210 Brightest | 2 | |
| 0075.sn2012au | 1500 | 04:48 | 12:54:52.2 | -10:14:50 | 300 | 5 | 3.0 | #2 SN Observat | 2 | |
| 0076.COMP | 10 | 05:14 | 12:54:52.2 | -10:14:50 | 300 | 5 | 3.0 | #2 SN Observat | 2 | |
| 0077.sn2011iy | 1800 | 05:16 | 13:08:58.4 | -15:31:04 | 300 | 6 | 3.0 | #2 SN Observat | 2 | |
| 0078.COMP | 10 | 05:46 | 13:08:58.4 | -15:31:04 | 300 | 6 | 3.0 | #2 SN Observat | 2 | |
| 0079.psn1341 | 1800 | 05:51 | 13:41:10.5 | +30:22:37 | 300 | -39 | 3.0 | #2 SN Observat | 2 | |
| 0080.COMP | 10 | 06:21 | 13:41:10.5 | +30:22:37 | 300 | -39 | 3.0 | #2 SN Observat | 2 | |
| 0081.bcg049 | 890 | 06:25 | 12:00:20.0 | +56:17:10 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0082.COMP | 10 | 06:40 | 12:00:20.0 | +56:17:10 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0083.hbcg030 | 1800 | 06:42 | 14:21:56.7 | +62:55:43 | 300 | 88 | 3.0 | #210 Brightest | 2 | |
| 0084.COMP | 10 | 07:12 | 14:21:56.7 | +62:55:43 | 300 | 88 | 3.0 | #210 Brightest | 2 | |
| 0085.hbcg031 | 1800 | 07:14 | 14:25:47.9 | +37:48:00 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0086.COMP | 10 | 07:45 | 14:25:47.9 | +37:48:00 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0087.N5866 | 300 | 07:46 | 15:06:29.5 | +55:45:48 | 300 | 91 | 3.0 | #57 Velocity S | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0088.COMP | 10 | 07:51 | 15:06:29.5 | +55:45:48 | 300 | 91 | 3.0 | #57 Velocity S | 2 | |
| 0089.hbcg032 | 1800 | 07:53 | 14:32:37.9 | +31:38:49 | 300 | 83 | 3.0 | #210 Brightest | 2 | |
| 0090.COMP | 10 | 08:23 | 14:32:37.9 | +31:38:49 | 300 | 83 | 3.0 | #210 Brightest | 2 | |
| 0091.hbcg042 | 1340 | 08:25 | 17:20:09.6 | +27:40:08 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0092.COMP | 10 | 08:48 | 17:20:09.6 | +27:40:08 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0093.hbcg043 | 1800 | 08:51 | 17:23:25.9 | +32:24:30 | 300 | 60 | 3.0 | #210 Brightest | 2 | |
| 0094.COMP | 10 | 09:21 | 17:23:25.9 | +32:24:30 | 300 | 60 | 3.0 | #210 Brightest | 2 | |
| 0095.17413903-0437191 | 1800 | 09:28 | 17:41:39.0 | -04:37:19 | 300 | -29 | 3.0 | 141 2MRS | 2 | target at 75 |
| 0096.COMP | 10 | 09:58 | 17:41:39.0 | -04:37:19 | 300 | -29 | 3.0 | 141 2MRS | 2 | |
| 0097.K2438546 | 1800 | 10:01 | 19:21:19.9 | +37:47:38 | 300 | 39 | 3.0 | #192 DASCH Lon | 2 | target at 71 |
| 0098.COMP | 10 | 10:31 | 19:21:19.9 | +37:47:38 | 300 | 39 | 3.0 | #192 DASCH Lon | 2 | |
| 0099.K2436750 | 420 | 10:34 | 19:20:42.3 | +37:45:55 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | target at 79 |
| 0100.COMP | 10 | 10:41 | 19:20:42.3 | +37:45:55 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0101.IPHAS_W2809 | 900 | 10:43 | 19:54:44.8 | +30:32:39 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0102.COMP | 10 | 10:59 | 19:54:44.8 | +30:32:39 | 300 | 90 | 3.0 | #157 IPHAS | 2 | |
| 0103.psn2144 | 1665 | 11:02 | 21:44:08.5 | +46:14:51 | 300 | 70 | 3.0 | #2 SN Observat | 2 | sn should be at 75 |
| 0104.COMP | 10 | 11:30 | 21:44:08.5 | +46:14:51 | 300 | 68 | 3.0 | #2 SN Observat | 2 | |
| 0105.J2159.88+372623.0 | 180 | 11:34 | 20:21:59.0 | +37:26:23 | 300 | 109 | 3.0 | #183 CygX_YSOs | 2 | |
| 0106.COMP | 10 | 11:37 | 20:21:59.0 | +37:26:23 | 300 | 109 | 3.0 | #183 CygX_YSOs | 2 | |
| 0107.BDp174708 | 90 | 11:38 | 22:11:31.4 | +18:05:34 | 300 | 109 | 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> |
|------------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0108.BDp174708 | 90 | 11:40 | 22:11:31.4 | +18:05:34 | 300 | 109 | 3.0 | #56 Spectropho | 2 | |
| 0109.COMP | 10 | 11:42 | 22:11:31.4 | +18:05:34 | 300 | 109 | 3.0 | #56 Spectropho | 2 | |
| 0110.BDp284211 | 90 | 11:43 | 21:51:11.0 | +28:51:50 | 300 | 109 | 3.0 | #56 Spectropho | 2 | |
| 0111.BDp284211 | 90 | 11:45 | 21:51:11.0 | +28:51:50 | 300 | 109 | 3.0 | #56 Spectropho | 2 | |
| 0112.COMP | 10 | 11:47 | 21:51:11.0 | +28:51:50 | 300 | 109 | 3.0 | #56 Spectropho | 2 | |
| 0113.J2231.07+375419.8 | 90 | 11:48 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0114.COMP | 10 | 11:50 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0115.J2231.07+375419.8 | 30 | 11:51 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0116-0125.BIAS | 0 | 11:55 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0126-0140.FLAT | 7 | 12:00 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0141-0145.DARK | 900 | 13:08 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0146-0150.DARK | 900 | 14:25 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 4 | |

UT Date 2012-05-18 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0001-0005.DARK | 900 | 01:26 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0006.BIAS | 0 | 01:50 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 4 | std setup |
| 0007-0015.BIAS | 0 | 01:52 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 4 | |
| 0016-0025.FLAT | 4 | 01:54 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 4 | |
| 0026-0035.BIAS | 0 | 01:56 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0036-0050.FLAT | 7 | 02:00 | 20:22:31.0 | +37:54:19 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0051.HD84937 | 20 | 02:48 | 09:48:56.1 | +13:44:39 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0052.COMP | 10 | 02:49 | 09:48:56.1 | +13:44:39 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0053.HD84937 | 20 | 02:50 | 09:48:56.1 | +13:44:39 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0054.HD84937 | 20 | 02:50 | 09:48:56.1 | +13:44:39 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0055.Feige34 | 180 | 02:52 | 10:39:36.7 | +43:06:09 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0056.COMP | 10 | 02:55 | 10:39:36.7 | +43:06:09 | 300 | 41 | 3.0 | #56 Spectropho | 2 | |
| 0057.N223232191 | 5 | 02:57 | 07:23:44.3 | +08:39:56 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0058.N223232191 | 10 | 02:57 | 07:23:44.3 | +08:39:56 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0059.N223232191 | 45 | 02:57 | 07:23:44.3 | +08:39:56 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0060.COMP | 10 | 02:59 | 07:23:44.3 | +08:39:56 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0061.N223201331 | 45 | 03:02 | 07:09:15.1 | +22:17:39 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0062.N223201331 | 150 | 03:03 | 07:09:15.1 | +22:17:39 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0063.COMP | 10 | 03:06 | 07:09:15.1 | +22:17:39 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0064.N223022063 | 60 | 03:07 | 07:17:24.5 | +17:53:35 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-05-18 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0065.N223022063 | 240 | 03:09 | 07:17:24.5 | +17:53:35 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0066.COMP | 10 | 03:13 | 07:17:24.5 | +17:53:35 | 300 | 41 | 3.0 | #192 DASCH Lon | 2 | |
| 0067.N223213016 | 360 | 03:17 | 07:24:19.1 | +09:12:32 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0068.COMP | 10 | 03:23 | 07:24:19.1 | +09:12:32 | 300 | 40 | 3.0 | #192 DASCH Lon | 2 | |
| 0069.bcg012 | 900 | 03:27 | 10:12:59.6 | +00:03:37 | 300 | 41 | 3.0 | #210 Brightest | 2 | |
| 0070.COMP | 10 | 03:42 | 10:12:59.6 | +00:03:37 | 300 | 41 | 3.0 | #210 Brightest | 2 | |
| 0071.hbcg007 | 1525 | 03:44 | 08:37:17.3 | +15:04:58 | 300 | 41 | 3.0 | #210 Brightest | 2 | |
| 0072.COMP | 10 | 04:10 | 08:37:17.3 | +15:04:58 | 300 | 40 | 3.0 | #210 Brightest | 2 | |
| 0073.hbcg008 | 1800 | 04:14 | 09:17:53.4 | +51:43:37 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0074.COMP | 10 | 04:45 | 09:17:53.4 | +51:43:37 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0075.psn1227 | 1800 | 04:47 | 12:27:12.8 | +09:25:13 | 300 | 6 | 3.0 | #2 SN Observat | 2 | |
| 0076.COMP | 10 | 05:18 | 12:27:12.8 | +09:25:13 | 300 | 6 | 3.0 | #2 SN Observat | 2 | |
| 0077.hbcg011 | 1800 | 05:23 | 10:59:28.9 | +56:41:12 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0078.COMP | 10 | 05:53 | 10:59:28.9 | +56:41:12 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0079.bcg040 | 900 | 05:56 | 11:37:17.3 | +57:07:51 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0080.COMP | 10 | 06:11 | 11:37:17.3 | +57:07:51 | 300 | 110 | 3.0 | #210 Brightest | 2 | |
| 0081.psn1438 | 1800 | 06:14 | 14:38:23.5 | +23:20:55 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0082.COMP | 10 | 06:44 | 14:38:23.5 | +23:20:55 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0083.psn1506 | 1800 | 06:46 | 15:06:02.5 | +41:25:33 | 300 | 108 | 3.0 | #2 SN Observat | 2 | |
| 0084.COMP | 10 | 07:16 | 15:06:02.5 | +41:25:33 | 300 | 108 | 3.0 | #2 SN Observat | 2 | |

UT Date 2012-05-18 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0085.N5846 | 300 | 07:19 | 15:06:29.3 | +01:36:20 | 300 | 16 | 3.0 | #57 Velocity S | 2 | |
| 0086.COMP | 10 | 07:24 | 15:06:29.3 | +01:36:20 | 300 | 16 | 3.0 | #57 Velocity S | 2 | |
| 0087.hbcg033 | 900 | 07:27 | 14:32:42.6 | +31:34:07 | 300 | 109 | 3.0 | #210 Brightest | 2 | |
| 0088.COMP | 10 | 07:43 | 14:32:42.6 | +31:34:07 | 300 | 109 | 3.0 | #210 Brightest | 2 | |
| 0089.hbcg034 | 1200 | 07:45 | 14:51:37.5 | +14:14:22 | 300 | 50 | 3.0 | #210 Brightest | 2 | |
| 0090.COMP | 10 | 08:06 | 14:51:37.5 | +14:14:22 | 300 | 50 | 3.0 | #210 Brightest | 2 | |
| 0091.hbcg035 | 1200 | 08:07 | 14:59:41.6 | +21:48:54 | 300 | 51 | 3.0 | #210 Brightest | 2 | |
| 0092.COMP | 10 | 08:28 | 14:59:41.6 | +21:48:54 | 300 | 51 | 3.0 | #210 Brightest | 2 | |
| 0093.hbcg036 | 1012 | 08:29 | 15:00:54.4 | +20:52:29 | 300 | 65 | 3.0 | #210 Brightest | 2 | |
| 0094.COMP | 10 | 08:47 | 15:00:54.4 | +20:52:29 | 300 | 65 | 3.0 | #210 Brightest | 2 | |
| 0095.bcg068 | 884 | 08:48 | 15:41:56.5 | +29:59:42 | 300 | 75 | 3.0 | #210 Brightest | 2 | |
| 0096.COMP | 10 | 09:03 | 15:41:56.5 | +29:59:42 | 300 | 75 | 3.0 | #210 Brightest | 2 | |
| 0097.bcg069 | 544 | 09:06 | 15:44:39.8 | +38:25:31 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0098.COMP | 10 | 09:15 | 15:44:39.8 | +38:25:31 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0099.bcg070 | 567 | 09:16 | 15:45:45.3 | +35:39:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0100.COMP | 10 | 09:26 | 15:45:45.3 | +35:39:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0101.bcg071 | 720 | 09:27 | 15:53:29.7 | +27:23:24 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0102.COMP | 10 | 09:39 | 15:53:29.7 | +27:23:24 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0103.18044513+1731392 | 497 | 09:42 | 18:04:45.1 | +17:31:39 | 300 | 0 | 3.0 | 141 2MRS | 2 | |
| 0104.COMP | 10 | 09:50 | 18:04:45.1 | +17:31:39 | 300 | 0 | 3.0 | 141 2MRS | 2 | |

UT Date 2012-05-18 Observers IrwinColl. Focus 1310 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0105.18193019+1352090 | 572 | 09:55 | 18:19:30.2 | +13:52:09 | 300 | 90 | 3.0 | 141 2MRS | 2 | |
| 0106.COMP | 10 | 10:05 | 18:19:30.2 | +13:52:09 | 300 | 90 | 3.0 | 141 2MRS | 2 | |
| 0107.18512116+2629501 | 613 | 10:07 | 18:51:21.2 | +26:29:50 | 300 | 71 | 3.0 | 141 2MRS | 2 | |
| 0108.COMP | 10 | 10:17 | 18:51:21.2 | +26:29:50 | 300 | 70 | 3.0 | 141 2MRS | 2 | |
| 0109.17494988+6012042 | 705 | 10:20 | 17:49:49.9 | +60:12:04 | 300 | 107 | 3.0 | 141 2MRS | 2 | |
| 0110.COMP | 10 | 10:32 | 17:49:49.9 | +60:12:04 | 300 | 109 | 3.0 | 141 2MRS | 2 | |
| 0111.19292931+4608036 | 900 | 10:35 | 19:29:29.3 | +46:08:04 | 300 | 12 | 3.0 | 141 2MRS | 2 | |
| 0112.COMP | 10 | 10:50 | 19:29:29.3 | +46:08:04 | 300 | 12 | 3.0 | 141 2MRS | 2 | |
| 0113.K2437001 | 1800 | 10:53 | 19:20:47.0 | +37:43:21 | 300 | 39 | 3.0 | #192 DASCH Lon | 2 | |
| 0114.COMP | 10 | 11:24 | 19:20:47.0 | +37:43:21 | 300 | 39 | 3.0 | #192 DASCH Lon | 2 | |
| 0115.J4334.55+402729.6 | 360 | 11:26 | 20:43:34.0 | +40:27:29 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0116.COMP | 10 | 11:32 | 20:43:34.0 | +40:27:29 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0117.J2859.79+390248.3 | 180 | 11:34 | 20:28:59.0 | +39:02:48 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0118.COMP | 10 | 11:37 | 20:28:59.0 | +39:02:48 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0119.BDp174708 | 90 | 11:39 | 22:11:31.4 | +18:05:34 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |
| 0120.BDp174708 | 90 | 11:40 | 22:11:31.4 | +18:05:34 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |
| 0121.COMP | 10 | 11:42 | 22:11:31.4 | +18:05:34 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |
| 0122.BDp284211 | 90 | 11:44 | 21:51:11.0 | +28:51:50 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |
| 0123.BDp284211 | 90 | 11:45 | 21:51:11.0 | +28:51:50 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |
| 0124.COMP | 10 | 11:47 | 21:51:11.0 | +28:51:50 | 300 | 108 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-18 Observers IrwinColl. Focus 1310 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> |
|------------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0125.J2655.70+381252.4 | 90 | 11:49 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0126.COMP | 10 | 11:50 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0127-0136.BIAS | 0 | 11:55 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0137-0151.FLAT | 7 | 11:59 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0152-0156.DARK | 900 | 13:09 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0157-0161.DARK | 900 | 14:25 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YSOs | 4 | |

UT Date 2012-05-19 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------|
| 0001.COMP | 5 | 23:10 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0002.fastfoc | 5 | 23:13 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | x7 foc=1325 |
| 0003.fastfoc | 5 | 23:13 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0004.fastfoc | 5 | 23:13 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0005.fastfoc | 5 | 23:14 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0006.fastfoc | 5 | 23:14 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0007.fastfoc | 5 | 23:14 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0008.fastfoc | 5 | 23:15 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0009.DARK | 900 | 23:20 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | x5 |
| 0010-0013.DARK | 900 | 00:22 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0014.BIAS | 0 | 02:04 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | x10 |
| 0015-0023.BIAS | 0 | 02:05 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0024.FLAT | 7 | 02:06 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | x16 |
| 0025-0039.FLAT | 7 | 02:10 | 20:26:55.0 | +38:12:52 | 300 | 89 | 3.0 | #183 CygX_YS0s | 2 | |
| 0040.HD84937 | 20 | 03:13 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0041.HD84937 | 20 | 03:13 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0042.HD84937 | 20 | 03:14 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0043.COMP | 5 | 03:14 | 09:48:56.1 | +13:44:39 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0044.Feige34 | 180 | 03:16 | 10:39:36.7 | +43:06:09 | 300 | 92 | 3.0 | #56 Spectropho | 2 | |
| 0045.COMP | 5 | 03:20 | 10:39:36.7 | +43:06:09 | 300 | 92 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-19 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0046.psn1227 | 1800 | 03:21 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0047.COMP | 5 | 03:52 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0048.bcg013 | 660 | 03:54 | 10:16:23.7 | -00:04:56 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0049.COMP | 5 | 04:05 | 10:16:23.7 | -00:04:56 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0050.bcg014 | 1140 | 04:06 | 10:12:56.9 | -00:28:09 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0051.COMP | 5 | 04:26 | 10:12:56.9 | -00:28:09 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0052.bcg020 | 600 | 04:27 | 10:26:50.3 | +39:44:47 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0053.COMP | 5 | 04:37 | 10:26:50.3 | +39:44:47 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0054.bcg021 | 540 | 04:38 | 10:28:23.4 | +39:56:55 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0055.COMP | 5 | 04:48 | 10:28:23.4 | +39:56:55 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0056.bcg022 | 960 | 04:49 | 10:25:52.0 | +40:37:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0057.COMP | 5 | 05:06 | 10:25:52.0 | +40:37:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0058.bcg023 | 1200 | 05:07 | 10:34:49.8 | +41:05:16 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0059.COMP | 5 | 05:27 | 10:34:49.8 | +41:05:16 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0060.bcg024 | 480 | 05:28 | 10:41:40.4 | +54:04:47 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0061.COMP | 5 | 05:36 | 10:41:40.4 | +54:04:47 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0062.bcg025 | 360 | 05:37 | 10:43:37.6 | +55:49:22 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0063.COMP | 5 | 05:44 | 10:43:37.6 | +55:49:22 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0064.bcg026 | 360 | 05:45 | 10:53:22.9 | +56:18:52 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0065.COMP | 5 | 05:51 | 10:53:22.9 | +56:18:52 | 300 | 91 | 3.0 | #210 Brightest | 2 | |

UT Date 2012-05-19 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------------------|
| 0066.bcg027 | 420 | 05:52 | 10:57:54.8 | +55:34:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0067.COMP | 5 | 05:59 | 10:57:54.8 | +55:34:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0068.bcg028 | 390 | 06:00 | 11:09:15.0 | +55:26:12 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0069.COMP | 5 | 06:07 | 11:09:15.0 | +55:26:12 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0070.bcg029 | 420 | 06:08 | 11:03:54.3 | +40:51:00 | 300 | 91 | 3.0 | #210 Brightest | 2 | target is gal to E (bottom) |
| 0071.COMP | 5 | 06:15 | 11:03:54.3 | +40:51:00 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0072.bcg030 | 900 | 06:16 | 11:09:15.3 | +41:33:41 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0073.COMP | 5 | 06:32 | 11:09:15.3 | +41:33:41 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0074.bcg031 | 480 | 06:32 | 11:11:51.3 | +39:54:15 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0075.COMP | 5 | 06:41 | 11:11:51.3 | +39:54:15 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0076.bcg035 | 1080 | 06:42 | 11:14:09.0 | +40:50:54 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0077.COMP | 5 | 07:00 | 11:14:09.0 | +40:50:54 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0078.psn1227 | 1800 | 07:02 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0079.COMP | 5 | 07:32 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #178 Merging W | 2 | |
| 0080.BIAS | 0 | 07:37 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0081.BDp332642 | 120 | 07:38 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0082.COMP | 10 | 07:41 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0083.j1638 | 660 | 07:42 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0084.COMP | 10 | 07:53 | 16:38:26.3 | +35:00:12 | 600 | 89 | 1.5 | #178 Merging W | 4 | |
| 0085.bcand832 | 960 | 07:54 | 17:03:27.6 | +63:11:23 | 600 | 89 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-19 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0086.COMP | 10 | 08:11 | 17:03:27.6 | +63:11:23 | 600 | 89 | 1.5 | #178 Merging W | 4 | |
| 0087.lmwd542 | 1500 | 08:12 | 14:06:31.0 | +34:38:42 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0088.COMP | 10 | 08:38 | 14:06:31.0 | +34:38:42 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0089.lmwd546 | 1320 | 08:39 | 15:30:00.1 | +10:01:43 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0090.COMP | 10 | 09:01 | 15:30:00.1 | +10:01:43 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0091.lmwd542 | 1500 | 09:03 | 14:06:31.0 | +34:38:42 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0092.COMP | 10 | 09:28 | 14:06:31.0 | +34:38:42 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0093.lmwd079 | 670 | 09:30 | 19:13:11.6 | +37:26:32 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0094.COMP | 10 | 09:41 | 19:13:11.6 | +37:26:32 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0095.lmwd079 | 670 | 09:42 | 19:13:11.6 | +37:26:32 | 600 | 88 | 1.5 | #178 Merging W | 4 | |
| 0096.bcand913 | 1140 | 09:54 | 16:13:51.6 | +31:56:14 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0097.bcand913 | 1140 | 10:13 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0098.COMP | 10 | 10:33 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0099.bcand913 | 1140 | 10:33 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0100.bcand832 | 960 | 10:53 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0101.COMP | 10 | 11:10 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0102.j1638 | 660 | 11:11 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0103.COMP | 10 | 11:22 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0104.BIAS | 0 | 11:23 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | x10 |
| 0105-0113.BIAS | 0 | 11:24 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-19 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| <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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0114.FLAT | 12 | 11:25 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | x10 |
| 0115-0123.FLAT | 12 | 11:28 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0124-0133.DARK | 900 | 14:07 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-20 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------|
| 0001.COMP | 5 | 19:23 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | 300 1 grating |
| 0002.COMP | 5 | 19:27 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0003.COMP | 5 | 19:29 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0004.FLAT | 7 | 19:30 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x16 |
| 0005-0019.FLAT | 7 | 19:35 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0020.BIAS | 0 | 19:36 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x10 |
| 0021-0029.BIAS | 0 | 19:37 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0030.DARK | 900 | 19:38 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x14 |
| 0031-0043.DARK | 900 | 22:58 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0044.BIAS | 0 | 23:29 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x10 |
| 0045-0053.BIAS | 0 | 23:30 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0054.DARK | 900 | 23:32 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x10 |
| 0055-0063.DARK | 900 | 01:49 | 03:49:30.9 | +31:28:26 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0064.HD84937 | 20 | 03:17 | 09:48:56.1 | +13:44:39 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0065.COMP | 5 | 03:17 | 09:48:56.1 | +13:44:39 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0066.Feige34 | 120 | 03:18 | 10:39:36.7 | +43:06:09 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0067.COMP | 5 | 03:21 | 10:39:36.7 | +43:06:09 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0068.psn1227 | 1800 | 03:23 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0069.COMP | 5 | 03:53 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0070.lmwd037 | 1320 | 03:58 | 07:56:10.7 | +67:04:25 | 600 | 91 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-20 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0071.COMP | 10 | 04:21 | 07:56:10.7 | +67:04:25 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0072.bcand858 | 1320 | 04:23 | 11:04:36.7 | +09:18:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0073.COMP | 10 | 04:45 | 11:04:36.7 | +09:18:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0074.j1638 | 720 | 04:47 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0075.COMP | 10 | 04:59 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0076.bcand832 | 1020 | 05:01 | 17:03:27.6 | +63:11:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0077.COMP | 10 | 05:19 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0078.bcand858 | 1320 | 05:20 | 11:04:36.7 | +09:18:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0079.COMP | 10 | 05:43 | 11:04:36.7 | +09:18:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0080.lmwd054 | 900 | 05:44 | 13:51:07.9 | -02:11:34 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0081.COMP | 10 | 06:00 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0082.lmwd054 | 900 | 06:00 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0083.lmwd054 | 900 | 06:16 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0084.COMP | 10 | 06:31 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0085.lmwd054 | 900 | 06:31 | 13:51:07.9 | -02:11:34 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0086.lmwd054 | 900 | 06:47 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0087.COMP | 10 | 07:02 | 13:51:07.9 | -02:11:34 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0088.lmwd054 | 900 | 07:03 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0089.lmwd054 | 960 | 07:18 | 13:51:07.9 | -02:11:34 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0090.COMP | 10 | 07:34 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-20 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0091.lmwd054 | 960 | 07:35 | 13:51:07.9 | -02:11:34 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0092.BDp332642 | 120 | 07:52 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0093.COMP | 10 | 07:54 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0094.j1638 | 600 | 07:55 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0095.COMP | 10 | 08:06 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0096.bcand832 | 1020 | 08:07 | 17:03:27.6 | +63:11:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0097.COMP | 10 | 08:24 | 17:03:27.6 | +63:11:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0098.bcand913 | 1200 | 08:27 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0099.COMP | 10 | 08:47 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0100.bcand913 | 1200 | 08:48 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0101.bcand913 | 1200 | 09:08 | 16:13:51.6 | +31:56:14 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0102.COMP | 10 | 09:28 | 16:13:51.6 | +31:56:14 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0103.bcand913 | 1200 | 09:29 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0104.bcand913 | 1200 | 09:49 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0105.COMP | 10 | 10:09 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0106.bcand913 | 1200 | 10:10 | 16:13:51.6 | +31:56:14 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0107.bcand913 | 1200 | 10:30 | 16:13:51.6 | +31:56:14 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0108.COMP | 10 | 10:50 | 16:13:51.6 | +31:56:14 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0109.bcand832 | 1080 | 10:51 | 17:03:27.6 | +63:11:23 | 600 | 89 | 1.5 | #178 Merging W | 4 | |
| 0110.COMP | 10 | 11:10 | 17:03:27.6 | +63:11:23 | 600 | 89 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-20 Observers W.BrownColl. Focus 1355 Grating/Grism 600

| <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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0111.j1638 | 660 | 11:11 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0112.COMP | 10 | 11:22 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0113.BDp284211 | 90 | 11:24 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0114.COMP | 10 | 11:26 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0115.BIAS | 0 | 11:26 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | x10 |
| 0116-0124.BIAS | 0 | 11:27 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0125.FLAT | 12 | 11:28 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | x10 |
| 0126-0134.FLAT | 12 | 11:31 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0135-0144.DARK | 900 | 14:14 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0145-0154.DARK | 900 | 16:47 | 21:51:11.0 | +28:51:50 | 600 | 90 | 1.5 | #56 Spectropho | 2 | |

UT Date 2012-05-21 Observers W.BrownColl. Focus 1325 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0001.COMP | 5 | 22:20 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | 3001 grating |
| 0002.COMP | 5 | 22:22 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0003.BIAS | 0 | 22:24 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x10 |
| 0004-0012.BIAS | 0 | 22:26 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0013.DARK | 900 | 22:28 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x5 |
| 0014-0017.DARK | 900 | 23:29 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0018.BIAS | 0 | 00:25 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x10 |
| 0019-0027.BIAS | 0 | 00:26 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0028.DARK | 900 | 00:27 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x5 |
| 0029-0032.DARK | 900 | 01:28 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0033.FLAT | 7 | 02:04 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x17 |
| 0034-0049.FLAT | 7 | 02:08 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0050.HD84937 | 20 | 03:14 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 10 | 03:15 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.Feige34 | 180 | 03:16 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0053.COMP | 10 | 03:19 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0054.sn2012cg | 1200 | 03:21 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0055.COMP | 10 | 03:41 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0056.psn0746 | 1800 | 03:48 | 07:46:27.0 | +48:19:47 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0057.COMP | 10 | 04:19 | 07:46:27.0 | +48:19:47 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |

UT Date 2012-05-21 Observers W.BrownColl. Focus 1325 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0058.lmwd037 | 1200 | 04:24 | 07:56:10.7 | +67:04:25 | 600 | 90 | 1.5 | #178 Merging W | 4 | 6001 grating |
| 0059.COMP | 10 | 04:44 | 07:56:10.7 | +67:04:25 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0060.bcand861 | 1200 | 04:48 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0061.COMP | 10 | 05:08 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0062.bcand861 | 1200 | 05:09 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0063.bcand861 | 1200 | 05:29 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0064.COMP | 10 | 05:49 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0065.bcand861 | 1200 | 05:50 | 11:26:49.6 | +01:27:58 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0066.j1638 | 900 | 06:12 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0067.COMP | 10 | 06:27 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0068.bcand832 | 1320 | 06:29 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0069.COMP | 10 | 06:51 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0070.bcand629 | 1500 | 06:53 | 13:02:46.8 | +01:28:38 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0071.COMP | 10 | 07:18 | 13:02:46.8 | +01:28:38 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0072.BDp332642 | 120 | 07:19 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |
| 0073.COMP | 10 | 07:22 | 15:51:59.9 | +32:56:54 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0074.j1638 | 900 | 07:23 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0075.COMP | 10 | 07:38 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0076.bcand832 | 1320 | 07:40 | 17:03:27.6 | +63:11:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0077.COMP | 10 | 08:02 | 17:03:27.6 | +63:11:23 | 600 | 88 | 1.5 | #178 Merging W | 4 | |

UT Date 2012-05-21 Observers W.BrownColl. Focus 1325 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0078.FLAT | 12 | 08:03 | 16:40:00.0 | +31:00:00 | 600 | 88 | 1.5 | #178 Merging W | 4 | x10 |
| 0079-0087.FLAT | 12 | 08:06 | 16:40:00.0 | +31:00:00 | 600 | 88 | 1.5 | #178 Merging W | 4 | |
| 0088.COMP | 5 | 08:10 | 16:40:00.0 | +31:00:00 | 300 | 88 | 3.0 | #56 | 2 | 300l grating |
| 0089.COMP | 5 | 08:11 | 16:40:00.0 | +31:00:00 | 300 | 88 | 3.0 | #56 | 2 | |
| 0090.bcg072 | 900 | 08:13 | 15:54:41.0 | +28:11:30 | 300 | 88 | 3.0 | #210 Brightest | 2 | |
| 0091.COMP | 10 | 08:28 | 15:54:41.0 | +28:11:30 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0092.bcg073 | 600 | 08:29 | 15:56:37.9 | +28:39:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0093.COMP | 5 | 08:40 | 15:56:37.9 | +28:39:36 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0094.bcg074 | 1200 | 08:41 | 15:42:09.6 | +29:53:13 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0095.COMP | 5 | 09:01 | 15:42:09.6 | +29:53:13 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0096.bcg075 | 1080 | 09:02 | 15:56:46.3 | +25:51:39 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0097.COMP | 5 | 09:20 | 15:56:46.3 | +25:51:39 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0098.bcg076 | 840 | 09:22 | 15:56:46.9 | +25:51:25 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0099.COMP | 5 | 09:37 | 15:56:46.9 | +25:51:25 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0100.bcg077 | 810 | 09:38 | 15:58:45.4 | +26:38:52 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0101.COMP | 5 | 09:51 | 15:58:45.4 | +26:38:52 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0102.bcg078 | 720 | 09:53 | 15:59:41.7 | +26:29:58 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0103.COMP | 5 | 10:05 | 15:59:41.7 | +26:29:58 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0104.psn1919 | 1800 | 10:08 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0105.COMP | 5 | 10:39 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |

UT Date 2012-05-21 Observers W.BrownColl. Focus 1325 Grating/Grism 300

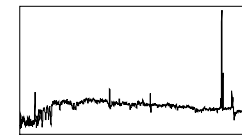
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0106.J1844.73+392807.7 | 240 | 10:40 | 20:18:44.0 | +39:28:07 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0107.COMP | 5 | 10:44 | 20:18:44.0 | +39:28:07 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0108.J3146.16+425248.1 | 360 | 10:46 | 20:31:46.0 | +42:52:48 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0109.COMP | 5 | 10:52 | 20:31:46.0 | +42:52:48 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0110.J2847.04+394514.8 | 600 | 10:53 | 20:28:47.0 | +39:45:14 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0111.COMP | 5 | 11:03 | 20:28:47.0 | +39:45:14 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0112.J1749.03+421059.3 | 360 | 11:04 | 20:17:49.0 | +42:10:59 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0113.COMP | 5 | 11:11 | 20:17:49.0 | +42:10:59 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0114.J2122.77+400237.6 | 360 | 11:12 | 20:21:22.0 | +40:02:37 | 300 | 90 | 3.0 | #183 CygX_YS0s | 2 | |
| 0115.COMP | 5 | 11:18 | 20:21:22.0 | +40:02:37 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0116.BDp174708 | 90 | 11:19 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0117.COMP | 5 | 11:21 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0118.BDp284211 | 90 | 11:22 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0119.COMP | 5 | 11:24 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0120.FLAT | 7 | 11:26 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x10 |
| 0121-0129.FLAT | 7 | 11:28 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0130-0139.DARK | 900 | 14:10 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0140-0149.DARK | 900 | 16:43 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-22 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------|
| 0001.fastfoc | 5 | 21:11 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x9 foc=1350 |
| 0002.fastfoc | 5 | 21:11 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0003.fastfoc | 5 | 21:11 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0004.fastfoc | 5 | 21:12 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0005.fastfoc | 5 | 21:12 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0006.fastfoc | 5 | 21:12 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0007.fastfoc | 5 | 21:13 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0008.fastfoc | 5 | 21:13 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0009.fastfoc | 5 | 21:13 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0010.BIAS | 0 | 21:16 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x10 |
| 0011-0019.BIAS | 0 | 21:18 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0020.DARK | 900 | 21:19 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | x10 |
| 0021-0029.DARK | 900 | 23:37 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0030.BIAS | 0 | 00:19 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x10 |
| 0031-0039.BIAS | 0 | 00:20 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0040.DARK | 900 | 00:21 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | x6 |
| 0041-0045.DARK | 900 | 01:37 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0046.HD84937 | 20 | 03:19 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0047.COMP | 5 | 03:20 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0048.HD84937 | 20 | 03:20 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | binby2 |

UT Date 2012-05-22 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0049.COMP | 5 | 03:21 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0050.Feige34 | 180 | 03:22 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 5 | 03:26 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0052.sn2012cg | 1200 | 03:27 | 12:27:12.8 | +09:25:13 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0053.COMP | 5 | 03:47 | 12:27:12.8 | +09:25:13 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0054.FLAT | 7 | 03:48 | 12:30:00.0 | +31:00:00 | 300 | 89 | 3.0 | #2 SN Observat | 2 | x10 |
| 0055-0063.FLAT | 7 | 03:51 | 12:30:00.0 | +31:00:00 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0064.bcand858 | 1320 | 03:56 | 11:04:36.7 | +09:18:23 | 600 | 89 | 1.5 | #178 Merging W | 4 | 6001 grating |
| 0065.COMP | 10 | 04:18 | 11:04:36.7 | +09:18:23 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0066.lmwd051 | 1500 | 04:20 | 11:30:28.0 | +09:33:04 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0067.COMP | 10 | 04:45 | 11:30:28.0 | +09:33:04 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0068.j1638 | 720 | 04:47 | 16:38:26.3 | +35:00:12 | 600 | 89 | 1.5 | #178 Merging W | 4 | |
| 0069.COMP | 10 | 04:59 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | |
| 0070.bcand858 | 1320 | 05:01 | 11:04:36.7 | +09:18:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0071.COMP | 10 | 05:23 | 11:04:36.7 | +09:18:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0072.Feige34 | 120 | 05:24 | 10:39:36.7 | +43:06:09 | 600 | 91 | 1.5 | #56 Spectropho | 4 | |
| 0073.COMP | 10 | 05:27 | 10:39:36.7 | +43:06:09 | 600 | 91 | 1.5 | #56 Spectropho | 4 | |
| 0074.BDp262606 | 60 | 05:30 | 14:49:02.4 | +25:42:09 | 600 | 91 | 2.0 | #56 Spectropho | 2 | tilt=752 |
| 0075.COMP | 5 | 05:31 | 14:49:02.4 | +25:42:09 | 600 | 91 | 2.0 | #56 Spectropho | 2 | |
| 0076.lspm3217 | 1200 | 05:33 | 11:00:16.0 | +17:57:06 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |

UT Date 2012-05-22 Observers W.BrownColl. Focus 1350 Grating/Grism 300

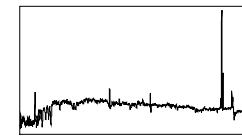
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0077.COMP | 5 | 05:53 | 11:00:16.0 | +17:57:06 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0078.lspm796 | 120 | 05:54 | 11:28:56.3 | +10:10:39 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0079.COMP | 5 | 05:57 | 11:28:56.3 | +10:10:39 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0080.lspm2069 | 360 | 05:57 | 11:10:00.0 | +21:33:23 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0081.COMP | 5 | 06:04 | 11:10:00.0 | +21:33:23 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0082.lspm2079 | 1020 | 06:05 | 11:25:00.5 | +43:19:39 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0083.COMP | 5 | 06:22 | 11:25:00.5 | +43:19:39 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0084.lspm3268 | 420 | 06:23 | 11:48:47.3 | +53:05:10 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0085.COMP | 5 | 06:31 | 11:48:47.3 | +53:05:10 | 600 | 91 | 2.0 | #204 M-Dwarf R | 2 | |
| 0086.lspm833 | 180 | 06:32 | 12:00:44.7 | +20:50:50 | 600 | 91 | 2.0 | #204 M-Dwarf R | 2 | |
| 0087.COMP | 10 | 06:35 | 12:00:44.7 | +20:50:50 | 600 | 91 | 2.0 | #204 M-Dwarf R | 2 | |
| 0088.lspm3311 | 1500 | 06:36 | 12:46:00.2 | +18:34:58 | 600 | 91 | 2.0 | #204 M-Dwarf R | 2 | |
| 0089.COMP | 5 | 07:02 | 12:46:00.2 | +18:34:58 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0090.lspm2119 | 840 | 07:03 | 12:41:29.0 | +19:05:00 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0091.COMP | 5 | 07:17 | 12:41:29.0 | +19:05:00 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0092.lspm2131 | 1500 | 07:19 | 12:53:48.3 | +54:11:11 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0093.COMP | 5 | 07:45 | 12:53:48.3 | +54:11:11 | 600 | 90 | 2.0 | #178 Merging W | 2 | |
| 0094.uycrb | 600 | 07:46 | 16:06:21.8 | +28:07:04 | 600 | 90 | 2.0 | #178 Merging W | 2 | |
| 0095.COMP | 5 | 07:56 | 16:06:21.8 | +28:07:04 | 600 | 90 | 2.0 | #178 Merging W | 2 | |
| 0096.kpcyg | 720 | 07:58 | 20:05:40.8 | +41:15:45 | 600 | 90 | 2.0 | #178 Merging W | 2 | |

UT Date 2012-05-22 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------|
| 0097.COMP | 5 | 08:10 | 20:05:40.8 | +41:15:45 | 600 | 90 | 2.0 | #178 Merging W | 2 | |
| 0099.FLAT | 10 | 08:12 | 16:28:17.1 | +13:34:20 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | x10 flats for tilt=752 |
| 0100-0101.FLAT | 10 | 08:12 | 16:28:17.1 | +13:34:20 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0102-0108.FLAT | 10 | 08:15 | 17:00:00.0 | +31:00:00 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0109.j1638 | 900 | 08:19 | 16:38:26.3 | +35:00:12 | 600 | 90 | 1.5 | #178 Merging W | 4 | tilt=445 again |
| 0110.COMP | 10 | 08:34 | 16:38:26.3 | +35:00:12 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0111.bcand832 | 1200 | 08:37 | 17:03:27.6 | +63:11:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0112.COMP | 10 | 08:57 | 17:03:27.6 | +63:11:23 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0113.FLAT | 12 | 08:58 | 17:50:00.0 | +31:00:00 | 600 | 91 | 1.5 | #178 Merging W | 4 | x10 flats for tilt=445 |
| 0114-0122.FLAT | 12 | 09:01 | 17:50:00.0 | +31:00:00 | 600 | 91 | 1.5 | #178 Merging W | 4 | |
| 0123.COMP | 5 | 09:05 | 17:50:00.0 | +31:00:00 | 300 | 91 | 3.0 | #56 | 2 | 300l grating |
| 0124.COMP | 5 | 09:06 | 17:50:00.0 | +31:00:00 | 300 | 91 | 3.0 | #56 | 2 | |
| 0125.bcg083 | 1320 | 09:09 | 16:01:05.8 | +53:19:07 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0126.COMP | 5 | 09:32 | 16:01:05.8 | +53:19:07 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0127.bcg084 | 1320 | 09:33 | 16:01:18.6 | +53:16:46 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0128.COMP | 5 | 09:55 | 16:01:18.6 | +53:16:46 | 300 | 92 | 3.0 | #210 Brightest | 2 | |
| 0129.bcg085 | 900 | 09:58 | 16:01:28.4 | +53:54:15 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0130.COMP | 5 | 10:14 | 16:01:28.4 | +53:54:15 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0131.psn1919 | 1800 | 10:17 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0132.COMP | 5 | 10:47 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |

UT Date 2012-05-22 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0133.J3037.42+385257.0 | 600 | 10:48 | 20:30:37.0 | +38:52:57 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0134.COMP | 5 | 10:58 | 20:30:37.0 | +38:52:57 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0135.J2246.34+402749.5 | 360 | 10:59 | 20:22:46.0 | +40:27:49 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0136.COMP | 5 | 11:06 | 20:22:46.0 | +40:27:49 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0137.J2907.94+394849.4 | 360 | 11:06 | 20:29:07.0 | +39:48:49 | 300 | 91 | 3.0 | #183 CygX_YSOs | 2 | |
| 0138.COMP | 5 | 11:13 | 20:29:07.0 | +39:48:49 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0139.J1920.38+392211.4 | 210 | 11:14 | 20:19:20.0 | +39:22:11 | 300 | 88 | 3.0 | #183 CygX_YSOs | 2 | |
| 0140.COMP | 5 | 11:18 | 20:19:20.0 | +39:22:11 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0141.BDp174708 | 60 | 11:19 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0142.COMP | 5 | 11:20 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0143.BDp284211 | 90 | 11:21 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0144.COMP | 5 | 11:23 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0145.FLAT | 7 | 11:25 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | x15 |
| 0146-0159.FLAT | 7 | 11:29 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0160-0169.DARK | 900 | 14:06 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 4 | |
| 0170-0178.DARK | 900 | 16:24 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-23 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|------|----------|
| 0001.BIAS | 0 | 22:18 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2x10 | |
| 0002-0010.BIAS | 0 | 22:19 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0011.DARK | 900 | 22:20 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2x5 | |
| 0012-0015.DARK | 900 | 23:21 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0016.FLAT | 7 | 23:39 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2x19 | |
| 0017-0034.FLAT | 7 | 23:44 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0035.BIAS | 0 | 00:00 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 4x10 | |
| 0036-0044.BIAS | 0 | 00:02 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0045.DARK | 900 | 00:10 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 4x5 | |
| 0046-0049.DARK | 900 | 01:12 | 02:08:03.5 | +13:36:24 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0050.HD84937 | 20 | 03:18 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 5 | 03:19 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.Feige34 | 180 | 03:20 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0053.COMP | 5 | 03:24 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0054.sn2012cg | 1200 | 03:25 | 12:27:12.8 | +09:25:13 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0055.COMP | 10 | 03:45 | 12:27:12.8 | +09:25:13 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0056.bcg016 | 1200 | 03:47 | 10:10:28.6 | -00:19:33 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0057.COMP | 10 | 04:07 | 10:10:28.6 | -00:19:33 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0058.bcg015 | 1200 | 04:10 | 10:13:35.6 | -00:10:32 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0059.COMP | 10 | 04:30 | 10:13:35.6 | -00:10:32 | 300 | 89 | 3.0 | #210 Brightest | 2 | |

UT Date 2012-05-23 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0060.bcg034 | 1200 | 04:32 | 11:12:51.2 | +02:31:57 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0061.COMP | 10 | 04:52 | 11:12:51.2 | +02:31:57 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0062.bcg033 | 1200 | 04:53 | 11:13:50.2 | +02:18:30 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0063.COMP | 10 | 05:13 | 11:13:50.2 | +02:18:30 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0064.uycrb | 480 | 05:17 | 16:06:21.8 | +28:07:04 | 600 | 90 | 2.0 | #178 Merging W | 2 | 6001 grating |
| 0065.COMP | 10 | 05:26 | 16:06:21.8 | +28:07:04 | 600 | 90 | 2.0 | #178 Merging W | 2 | |
| 0066.lspm2066 | 1800 | 05:28 | 11:03:54.1 | +24:17:48 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0067.COMP | 10 | 05:58 | 11:03:54.1 | +24:17:48 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0068.lspm2076 | 1800 | 06:00 | 11:22:42.8 | +37:55:48 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0069.COMP | 10 | 06:30 | 11:22:42.8 | +37:55:48 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0070.lspm3304 | 1800 | 06:32 | 12:39:46.7 | +04:10:47 | 600 | 90 | 2.0 | #204 M-Dwarf R | 2 | |
| 0071.COMP | 10 | 07:02 | 12:39:46.7 | +04:10:47 | 600 | 91 | 2.0 | #204 M-Dwarf R | 2 | |
| 0072.uycrb | 480 | 07:04 | 16:06:21.8 | +28:07:04 | 600 | 89 | 2.0 | #178 Merging W | 2 | |
| 0073.COMP | 10 | 07:13 | 16:06:21.8 | +28:07:04 | 600 | 89 | 2.0 | #178 Merging W | 2 | |
| 0074.lspm2172 | 1800 | 07:15 | 13:56:41.5 | +43:42:59 | 600 | 89 | 2.0 | #204 M-Dwarf R | 2 | |
| 0075.COMP | 10 | 07:45 | 13:56:41.5 | +43:42:59 | 600 | 89 | 2.0 | #204 M-Dwarf R | 2 | |
| 0076.lspm3729 | 1800 | 07:48 | 18:45:21.5 | +07:11:59 | 600 | 81 | 2.0 | #204 M-Dwarf R | 2 | |
| 0077.COMP | 10 | 08:19 | 18:45:21.5 | +07:11:59 | 600 | 80 | 2.0 | #204 M-Dwarf R | 2 | |
| 0078.BDp262606 | 90 | 08:20 | 14:49:02.4 | +25:42:09 | 600 | 90 | 2.0 | #56 Spectropho | 2 | |
| 0079.COMP | 10 | 08:22 | 14:49:02.4 | +25:42:09 | 600 | 90 | 2.0 | #56 Spectropho | 2 | |

UT Date 2012-05-23 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------|
| 0080.uycrb | 480 | 08:24 | 16:06:21.8 | +28:07:04 | 600 | 89 | 2.0 | #178 Merging W | 2 | |
| 0081.COMP | 10 | 08:32 | 16:06:21.8 | +28:07:04 | 600 | 89 | 2.0 | #178 Merging W | 2 | |
| 0082.FLAT | 10 | 08:33 | 16:06:21.8 | +28:07:04 | 600 | 89 | 2.0 | #178 Merging W | 2 | x10 |
| 0083-0091.FLAT | 10 | 08:36 | 17:25:00.0 | +31:00:00 | 600 | 89 | 2.0 | #178 Merging W | 2 | |
| 0092.COMP | 5 | 08:40 | 17:25:00.0 | +31:00:00 | 300 | 89 | 3.0 | #210 Brightest | 2 | 3001 grating |
| 0093.COMP | 5 | 08:41 | 17:25:00.0 | +31:00:00 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0094.bcg094 | 1200 | 08:45 | 17:01:42.1 | +33:29:46 | 300 | 99 | 3.0 | #210 Brightest | 2 | |
| 0095.COMP | 10 | 09:05 | 17:01:42.1 | +33:29:46 | 300 | 99 | 3.0 | #210 Brightest | 2 | |
| 0096.bcg095 | 1200 | 09:06 | 17:01:53.1 | +35:03:04 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0097.COMP | 10 | 09:26 | 17:01:53.1 | +35:03:04 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0098.bcg096 | 960 | 09:27 | 17:02:39.3 | +33:30:51 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0099.COMP | 10 | 09:44 | 17:02:39.3 | +33:30:51 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0100.psn1919 | 1800 | 09:47 | 19:19:27.9 | +44:14:51 | 300 | 88 | 3.0 | #2 SN Observat | 2 | |
| 0101.COMP | 10 | 10:17 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0102.psn1919 | 1800 | 10:18 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0103.COMP | 10 | 10:48 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0104.J2506.78+401334.9 | 600 | 10:49 | 20:25:06.0 | +40:13:34 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0105.COMP | 10 | 11:00 | 20:25:06.0 | +40:13:34 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0106.J2622.48+384814.3 | 360 | 11:01 | 20:26:22.0 | +38:48:14 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |
| 0107.COMP | 10 | 11:07 | 20:26:22.0 | +38:48:14 | 300 | 90 | 3.0 | #183 CygX_YSOs | 2 | |

UT Date 2012-05-23 Observers W.BrownColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0108.J2203.90+385648.4 | 360 | 11:08 | 20:22:03.0 | +38:56:48 | 300 | 88 | 3.0 | #183 CygX_YSOs | 2 | |
| 0109.COMP | 10 | 11:14 | 20:22:03.0 | +38:56:48 | 300 | 88 | 3.0 | #183 CygX_YSOs | 2 | |
| 0110.J3517.38+394803.8 | 240 | 11:15 | 20:35:17.0 | +39:48:03 | 300 | 88 | 3.0 | #183 CygX_YSOs | 2 | |
| 0111.COMP | 10 | 11:19 | 20:35:17.0 | +39:48:03 | 300 | 88 | 3.0 | #183 CygX_YSOs | 2 | |
| 0112.BDp174708 | 60 | 11:20 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0113.COMP | 10 | 11:22 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0114.BDp284211 | 90 | 11:23 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0115.COMP | 10 | 11:25 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0116.FLAT | 7 | 11:28 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | x14 |
| 0117-0129.FLAT | 7 | 11:32 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0130-0134.DARK | 900 | 12:56 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 4 | |
| 0135-0139.DARK | 900 | 14:12 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| comp300+600.ms | 10 | 05:47 | 10:39:36.9 | +43:06:11 | 300 | 90 | 3.0 | #56 Spectropho | 1 | |

UT Date 2012-05-24 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0005.DARK | 900 | 02:48 | 10:30:37.7 | +31:34:24 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0006-0015.BIAS | 0 | 03:06 | 10:30:37.7 | +31:34:24 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0016-0035.FLAT | 7 | 03:12 | 10:30:37.7 | +31:34:24 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0036-0045.BIAS | 0 | 03:15 | 10:30:37.7 | +31:34:24 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0046.HD84937 | 20 | 03:21 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0047.COMP | 10 | 03:22 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0048.Feige34 | 120 | 03:25 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0049.COMP | 10 | 03:27 | 10:39:36.7 | +43:06:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0050.N3377 | 240 | 03:32 | 10:47:42.4 | +13:59:08 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0051.COMP | 10 | 03:37 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0052.TXCVn | 10 | 03:40 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0053.TXCVn | 30 | 03:41 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0054.COMP | 10 | 03:42 | 12:44:42.0 | +36:45:48 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0055.sn2012cg | 1200 | 03:46 | 12:27:12.8 | +09:25:13 | 300 | 105 | 3.0 | #2 SN Observat | 2 | |
| 0056.COMP | 10 | 04:06 | 12:27:12.8 | +09:25:13 | 300 | 104 | 3.0 | #2 SN Observat | 2 | |
| 0057.7ZW384 | 1800 | 04:09 | 11:16:54.4 | +59:31:52 | 300 | 45 | 3.0 | #199 Optical n | 2 | |
| 0058.7ZW384 | 1800 | 04:40 | 11:16:54.4 | +59:31:52 | 300 | 45 | 3.0 | #199 Optical n | 2 | |
| 0059.7ZW384 | 1800 | 05:10 | 11:16:54.4 | +59:31:52 | 300 | 42 | 3.0 | #199 Optical n | 2 | |
| 0060.COMP | 10 | 05:40 | 11:16:54.4 | +59:31:52 | 300 | 42 | 3.0 | #199 Optical n | 2 | |
| 0061.RWHya | 2 | 05:44 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

UT Date 2012-05-24 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

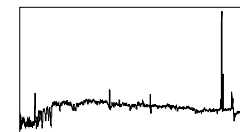
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0062.RWHya | 10 | 05:44 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0063.RWHya | 20 | 05:44 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0064.COMP | 10 | 05:45 | 13:34:18.0 | -25:22:51 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0065.NGC4491 | 600 | 05:51 | 12:30:57.1 | +11:29:01 | 300 | -31 | 3.0 | #199 Optical n | 2 | |
| 0066.NGC4491 | 600 | 06:01 | 12:30:57.1 | +11:29:01 | 300 | -31 | 3.0 | #199 Optical n | 2 | |
| 0067.NGC4491 | 600 | 06:11 | 12:30:57.1 | +11:29:01 | 300 | -31 | 3.0 | #199 Optical n | 2 | |
| 0068.COMP | 10 | 06:22 | 12:30:57.1 | +11:29:01 | 300 | -31 | 3.0 | #199 Optical n | 2 | |
| 0069.NGC4509 | 1200 | 06:25 | 12:33:07.1 | +32:05:28 | 300 | 69 | 3.0 | #199 Optical n | 2 | |
| 0070.NGC4509 | 1200 | 06:45 | 12:33:07.1 | +32:05:28 | 300 | 69 | 3.0 | #199 Optical n | 2 | |
| 0071.NGC4509 | 1200 | 07:05 | 12:33:07.1 | +32:05:28 | 300 | 69 | 3.0 | #199 Optical n | 2 | |
| 0072.COMP | 10 | 07:26 | 12:33:07.1 | +32:05:28 | 300 | 69 | 3.0 | #199 Optical n | 2 | |
| 0073.MCG9-27-053 | 1800 | 07:28 | 16:35:15.4 | +52:46:50 | 300 | 89 | 3.0 | #199 Optical n | 2 | |
| 0074.MCG9-27-053 | 1800 | 07:59 | 16:35:15.4 | +52:46:50 | 300 | 89 | 3.0 | #199 Optical n | 2 | |
| 0075.MCG9-27-053 | 1800 | 08:29 | 16:35:15.4 | +52:46:50 | 300 | 89 | 3.0 | #199 Optical n | 2 | |
| 0076.COMP | 10 | 09:00 | 16:35:15.4 | +52:46:50 | 300 | 90 | 3.0 | #199 Optical n | 2 | |
| 0077.psn1919 | 1800 | 09:03 | 19:19:27.9 | +44:14:51 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0078.COMP | 10 | 09:34 | 19:19:27.9 | +44:14:51 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0079.bcg086 | 480 | 09:37 | 16:01:42.6 | +54:11:17 | 300 | 91 | 3.0 | #210 Brightest | 2 | |
| 0080.COMP | 10 | 09:45 | 16:01:42.6 | +54:11:17 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0081.bcg087 | 900 | 09:46 | 16:02:25.7 | +53:24:18 | 300 | 90 | 3.0 | #210 Brightest | 2 | |

UT Date 2012-05-24 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0082.COMP | 10 | 10:02 | 16:02:25.7 | +53:24:18 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0083.bcg088 | 420 | 10:03 | 16:02:41.0 | +27:12:27 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0084.COMP | 10 | 10:11 | 16:02:41.0 | +27:12:27 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0085.bcg089 | 480 | 10:13 | 16:13:49.7 | +47:54:46 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0086.COMP | 10 | 10:21 | 16:13:49.7 | +47:54:46 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0087.bcg090 | 420 | 10:22 | 16:20:02.6 | +49:18:35 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0088.COMP | 10 | 10:30 | 16:20:02.6 | +49:18:35 | 300 | 89 | 3.0 | #210 Brightest | 2 | |
| 0089.17520058-0623079 | 1020 | 10:33 | 17:52:00.6 | -06:23:08 | 300 | 70 | 3.0 | 141 2MRS | 2 | |
| 0090.COMP | 10 | 10:50 | 17:52:00.6 | -06:23:08 | 300 | 70 | 3.0 | 141 2MRS | 2 | |
| 0091.18145602+1901499 | 1500 | 10:53 | 18:14:56.0 | +19:01:50 | 300 | 90 | 3.0 | 141 2MRS | 2 | |
| 0092.COMP | 10 | 11:18 | 18:14:56.0 | +19:01:50 | 300 | 91 | 3.0 | 141 2MRS | 2 | |
| 0093.BDp174708 | 25 | 11:20 | 22:11:31.4 | +18:05:34 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0094.COMP | 10 | 11:21 | 22:11:31.4 | +18:05:34 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0095.BDp284211 | 120 | 11:22 | 21:51:11.0 | +28:51:50 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0096.COMP | 10 | 11:25 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0097-0106.BIAS | 0 | 11:30 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0107-0126.FLAT | 7 | 11:39 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0127-0136.DARK | 900 | 14:00 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |

UT Date 2012-05-25 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------|
| 0001-0010.DARK | 900 | 02:12 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0011-0020.BIAS | 0 | 02:47 | 11:26:18.9 | +31:34:40 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0021-0040.FLAT | 7 | 03:31 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0041-0050.BIAS | 0 | 03:34 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.HD84937 | 20 | 03:36 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.COMP | 10 | 03:37 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0053.Feige34 | 120 | 03:39 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0054.COMP | 10 | 03:42 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0055.sn2012cg | 1200 | 03:44 | 12:27:12.8 | +09:25:13 | 300 | 105 | 3.0 | #2 SN Observat | 2 | |
| 0056.COMP | 10 | 04:05 | 12:27:12.8 | +09:25:13 | 300 | 105 | 3.0 | #2 SN Observat | 2 | |
| 0057.N3377 | 180 | 04:06 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0058.COMP | 10 | 04:10 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0059.bcg017 | 1500 | 04:11 | 10:16:53.8 | +00:04:33 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0060.COMP | 10 | 04:37 | 10:16:53.8 | +00:04:33 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0061.bcg018 | 1800 | 04:38 | 10:13:51.1 | -00:05:01 | 300 | 90 | 3.0 | #210 Brightest | 2 | horrible seeing |
| 0062.COMP | 10 | 05:09 | 10:13:51.1 | -00:05:01 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0063.bcg032 | 780 | 05:11 | 11:13:51.0 | +02:28:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0064.COMP | 10 | 05:25 | 11:13:51.0 | +02:28:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0065.bcg036 | 600 | 05:27 | 11:16:55.8 | +05:00:19 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0066.COMP | 10 | 05:41 | 11:16:55.8 | +05:00:19 | 300 | 90 | 3.0 | #210 Brightest | 2 | |

UT Date 2012-05-25 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0067.bcg037 | 780 | 05:42 | 11:17:47.7 | +02:31:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0068.COMP | 10 | 05:56 | 11:17:47.7 | +02:31:53 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0069.bcg038 | 780 | 05:57 | 11:21:31.8 | +02:45:07 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0070.COMP | 10 | 06:11 | 11:21:31.8 | +02:45:07 | 300 | 90 | 3.0 | #210 Brightest | 2 | |
| 0071.bcg056 | 900 | 06:13 | 13:29:38.7 | +11:27:38 | 300 | 96 | 3.0 | #210 Brightest | 2 | |
| 0072.COMP | 10 | 06:29 | 13:29:38.7 | +11:27:38 | 300 | 97 | 3.0 | #210 Brightest | 2 | |
| 0073.PTF12dam | 1800 | 06:31 | 14:24:46.2 | +46:13:48 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0074.COMP | 10 | 07:01 | 14:24:46.2 | +46:13:48 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0075.TCrB | 15 | 07:03 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0076.TCrB | 60 | 07:04 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0077.COMP | 10 | 07:06 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0078.AGDra | 2 | 07:09 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0079.AGDra | 15 | 07:10 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0080.AGDra | 60 | 07:11 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0081.COMP | 10 | 07:13 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0082.BDp262606 | 40 | 07:16 | 14:49:02.4 | +25:42:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0083.COMP | 10 | 07:17 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0084.BDp332642 | 120 | 07:18 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0085.COMP | 10 | 07:21 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0086.16572980-2244216 | 1800 | 07:25 | 16:57:29.8 | -22:44:22 | 300 | 80 | 3.0 | 141 2MRS | 2 | faint |

UT Date 2012-05-25 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0087.COMP | 10 | 07:56 | 16:57:29.8 | -22:44:22 | 300 | 81 | 3.0 | 141 2MRS | 2 | |
| 0088.17104697+4918372 | 1200 | 08:00 | 17:10:47.0 | +49:18:37 | 300 | 78 | 3.0 | 141 2MRS | 2 | |
| 0089.COMP | 10 | 08:21 | 17:10:47.0 | +49:18:37 | 300 | 75 | 3.0 | 141 2MRS | 2 | |
| 0090.17124322-0501387 | 1500 | 08:23 | 17:12:43.2 | -05:01:39 | 300 | 100 | 3.0 | 141 2MRS | 2 | |
| 0091.COMP | 10 | 08:49 | 17:12:43.2 | -05:01:39 | 300 | 100 | 3.0 | 141 2MRS | 2 | |
| 0092.17132551-0557326 | 1800 | 08:51 | 17:13:25.5 | -05:57:33 | 300 | 100 | 3.0 | 141 2MRS | 2 | |
| 0093.COMP | 10 | 09:21 | 17:13:25.5 | -05:57:33 | 300 | 99 | 3.0 | 141 2MRS | 2 | |
| 0094.19505859+4746067 | 720 | 09:26 | 19:50:58.6 | +47:46:07 | 300 | 91 | 3.0 | 141 2MRS | 2 | row=80 |
| 0095.COMP | 10 | 09:38 | 19:50:58.6 | +47:46:07 | 300 | 91 | 3.0 | 141 2MRS | 2 | |
| 0096.19484929+7132253 | 1200 | 09:41 | 19:48:49.3 | +71:32:25 | 300 | 91 | 3.0 | 141 2MRS | 2 | |
| 0097.COMP | 10 | 10:02 | 19:48:49.3 | +71:32:25 | 300 | 91 | 3.0 | 141 2MRS | 2 | |
| 0098.psn1919 | 1800 | 10:06 | 19:19:27.9 | +44:14:51 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0099.COMP | 10 | 10:36 | 19:19:27.9 | +44:14:51 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0100.AS210 | 20 | 10:40 | 16:51:20.3 | -26:00:33 | 300 | 91 | 3.0 | #12 Symbiotic | 2 | |
| 0101.AS210 | 300 | 10:41 | 16:51:20.3 | -26:00:33 | 300 | 91 | 3.0 | #12 Symbiotic | 2 | |
| 0102.COMP | 10 | 10:46 | 16:51:20.3 | -26:00:33 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0103.Hen1341 | 12 | 10:48 | 17:08:36.0 | -17:26:30 | 300 | 91 | 3.0 | #12 Symbiotic | 2 | |
| 0104.Hen1341 | 30 | 10:48 | 17:08:36.0 | -17:26:30 | 300 | 91 | 3.0 | #12 Symbiotic | 2 | |
| 0105.Hen1341 | 60 | 10:49 | 17:08:36.0 | -17:26:30 | 300 | 91 | 3.0 | #12 Symbiotic | 2 | |
| 0106.COMP | 10 | 10:50 | 17:08:36.0 | -17:26:30 | 300 | 90 | 3.0 | #12 Symbiotic | 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> |
|--------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0107.PUVu1 | 1 | 10:52 | 20:21:13.0 | +21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0108.PUVu1 | 10 | 10:53 | 20:21:13.0 | +21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0109.PUVu1 | 60 | 10:53 | 20:21:13.0 | +21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0110.COMP | 10 | 10:55 | 20:21:13.0 | +21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0111.CICyg | 4 | 10:56 | 19:50:12.0 | +35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0112.CICyg | 15 | 10:57 | 19:50:12.0 | +35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0113.COMP | 10 | 10:57 | 19:50:12.0 | +35:41:02 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0114.CHCyg | 1 | 10:59 | 19:24:33.0 | +50:14:30 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0115.CHCyg | 5 | 10:59 | 19:24:33.0 | +50:14:30 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0116.CHCyg | 30 | 10:59 | 19:24:33.0 | +50:14:30 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0117.COMP | 10 | 11:00 | 19:24:33.0 | +50:14:30 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0118.AS360 | 60 | 11:02 | 19:45:49.0 | +18:36:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0119.AS360 | 300 | 11:04 | 19:45:49.0 | +18:36:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0120.COMP | 10 | 11:09 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0121.BFCyg | 15 | 11:11 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0122.BFCyg | 15 | 11:11 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0123.COMP | 10 | 11:12 | 19:23:53.0 | +29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0124.AS338 | 90 | 11:13 | 19:03:47.0 | +16:26:17 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0125.COMP | 10 | 11:15 | 19:03:47.0 | +16:26:17 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0126.V443Her | 5 | 11:17 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0127.V443Her | 45 | 11:17 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0128.V443Her | 90 | 11:18 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0129.COMP | 10 | 11:20 | 18:22:07.0 | +23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0130.BDp174708 | 25 | 11:22 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0131.COMP | 10 | 11:23 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0132.BDp284211 | 120 | 11:25 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0133.COMP | 10 | 11:27 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0134.N7331 | 180 | 11:29 | 22:37:04.1 | +34:24:56 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0135.COMP | 10 | 11:32 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0136-0145.BIAS | 0 | 11:41 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0146-0165.FLAT | 7 | 11:48 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0166-0175.DARK | 900 | 14:07 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |