

UT Date 2006-07-18 Observers noneColl. Focus 1350 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|--------------------------|
| 0001-0010.BIAS | 0 | 2:07 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 4 | |
| 0011.FLAT | 12 | 2:08 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 4 | start of FAST run |
| 0012-0020.FLAT | 12 | 2:13 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 4 | |
| 0021.BIAS | 0 | 2:14 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | various clouds all night |
| 0022-0030.BIAS | 0 | 2:15 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0031-0050.FLAT | 25 | 2:32 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0051.DARK | 900 | 2:34 | 13:51:05.4 | +31:31:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0055.AGDra | 1 | 3:22 | 16:01:41 | 66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0056.AGDra | 2 | 3:23 | 16:01:41 | 66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0057.AGDra | 10 | 3:23 | 16:01:41 | 66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0058.AGDra | 20 | 3:24 | 16:01:41 | 66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0059.COMP | 10 | 3:24 | 16:01:41 | 66:48:10 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0060.TCrB | 15 | 3:26 | 15:59:30 | 25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0061.TCrB | 60 | 3:27 | 15:59:30 | 25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0062.TCrB | 60 | 3:29 | 15:59:30 | 25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0063.COMP | 10 | 3:30 | 15:59:30 | 25:55:12 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0064.BDp262606 | 45 | 3:32 | 14:49:02.4 | 25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0065.BDp262606 | 45 | 3:33 | 14:49:02.4 | 25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0066.BDp262606 | 45 | 3:34 | 14:49:02.4 | 25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0067.COMP | 10 | 3:35 | 14:49:02.4 | 25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |

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|--------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------------------------|
| 0068.BDp332642 | 90 | 3:36 | 15:51:59.9 | 32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0069.BDp332642 | 90 | 3:38 | 15:51:59.9 | 32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0070.BDp332642 | 90 | 3:40 | 15:51:59.9 | 32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0071.COMP | 10 | 3:41 | 15:51:59.9 | 32:56:54 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0072.Mrk817 | 1200 | 3:47 | 14:36:22.1 | +58:47:39 | 300 | 110 | 3.0 | #147 AGN Solut | 2 | |
| 0073.COMP | 10 | 4:07 | 14:36:22.1 | +58:47:39 | 300 | 110 | 3.0 | #147 AGN Solut | 2 | |
| 0074.N5866 | 180 | 4:09 | 15:05:07.2 | +55:57:18 | 300 | 91 | 3.0 | #57 Velocity S | 2 | |
| 0075.COMP | 10 | 4:12 | 15:05:07.2 | +55:57:18 | 300 | 91 | 3.0 | #57 Velocity S | 2 | |
| 0076.SDSS1328+5731 | 1200 | 4:15 | 13:28:01.2 | +57:31:13 | 300 | 105 | 3.0 | #165 Quasar Br | 2 | |
| 0077.COMP | 10 | 4:36 | 13:28:01.2 | +57:31:13 | 300 | 105 | 3.0 | #165 Quasar Br | 2 | |
| 0078.SDSS1437+0428 | 1200 | 4:38 | 14:37:52.7 | +04:28:54 | 300 | 48 | 3.0 | #165 Quasar Br | 2 | |
| 0079.COMP | 10 | 4:59 | 14:37:52.7 | +04:28:54 | 300 | 48 | 3.0 | #165 Quasar Br | 2 | |
| 0080.COMP | 393 | 5:00 | 14:37:52.7 | +04:28:54 | 300 | 50 | 3.0 | #165 Quasar Br | 2 | |
| 0081.RSOph | 20 | 5:09 | 17:50:13 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0082.RSOph | 10 | 5:10 | 17:50:13 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0083.RSOph | 90 | 5:10 | 17:50:13 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0084.RSOph | 180 | 5:12 | 17:50:13 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0085.COMP | 10 | 5:15 | 17:50:13 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | waste more time trying for Green qsos |
| 0087.sn2006dq | 1800 | 5:30 | 17:59:21.0 | +58:32:36 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0088.COMP | 10 | 6:01 | 17:59:21.0 | +58:32:36 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |

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|-------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0089.cirsfastb279 | 1200 | 6:03 | 15:44:19.2 | 34:41:39 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0090.COMP | 10 | 6:24 | 15:44:19.2 | 34:41:39 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0091.cirsfastb280 | 900 | 6:26 | 15:44:23.9 | 34:42:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0092.COMP | 10 | 6:41 | 15:44:23.9 | 34:42:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0093.YYHer | 30 | 6:44 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0094.YYHer | 90 | 6:45 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0095.YYHer | 360 | 6:47 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0096.YYHer | 360 | 6:54 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0097.COMP | 10 | 7:00 | 18:14:34 | 20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0098.V443Her | 10 | 7:01 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0099.V443Her | 5 | 7:01 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0100.V443Her | 90 | 7:02 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0101.COMP | 10 | 7:04 | 18:22:07 | 23:27:20 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0102.BFCyg | 2 | 7:05 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0103.BFCyg | 5 | 7:05 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0104.BFCyg | 15 | 7:05 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0105.BFCyg | 120 | 7:06 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0106.COMP | 10 | 7:09 | 19:23:53 | 29:40:27 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0107.CHCyg | 2 | 7:10 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0108.CHCyg | 5 | 7:11 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|--|
| 0109.CHCyg | 5 | 7:11 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0110.COMP | 10 | 7:12 | 19:24:33 | 50:14:30 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0111.CICyg | 2 | 7:13 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0112.CICyg | 5 | 7:13 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0113.CICyg | 60 | 7:14 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0114.COMP | 10 | 7:15 | 19:50:12 | 35:41:02 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0116.PUVul | 10 | 7:18 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0117.PUVul | 60 | 7:19 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0118.COMP | 10 | 7:20 | 20:21:13 | 21:34:21 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0119.BDp284211 | 90 | 7:24 | 21:51:11.1 | 28:51:53 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0120.BDp284211 | 90 | 7:25 | 21:51:11.1 | 28:51:53 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0121.COMP | 10 | 7:27 | 21:51:11.1 | 28:51:53 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0122.test | 10 | 7:32 | 20:10:00 | 32:00:00 | 600 | 90 | 2.0 | #56 Spectropho | 4 | 600-line, 2-sec, Warren |
| 0123.bcand938 | 900 | 7:34 | 16:52:30.8 | 41:58:28 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | way off to the edge |
| 0124.COMP | 10 | 7:50 | 16:52:30.8 | 41:58:28 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | test to find center, it is almost off the tv |
| 0125.slittest | 30 | 7:51 | 16:52:30.8 | 41:58:28 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0126.bcand937 | 900 | 7:55 | 16:51:58.9 | 34:59:32 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0127.COMP | 10 | 8:11 | 16:51:58.9 | 34:59:32 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0128.bcand940 | 1440 | 8:13 | 16:58:24.6 | 41:28:55 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0129.COMP | 10 | 8:38 | 16:58:24.6 | 41:28:55 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0130.BDp284211 | 120 | 8:40 | 21:51:11.1 | 28:51:53 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0131.BDp284211 | 120 | 8:43 | 21:51:11.1 | 28:51:53 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0132.COMP | 10 | 8:45 | 21:51:11.1 | 28:51:53 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0133.bcand949 | 1680 | 8:47 | 22:23:32.5 | 1:00:13 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0134.COMP | 10 | 9:16 | 22:23:32.5 | 1:00:13 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0135.bcand950 | 1500 | 9:18 | 22:23:34.3 | -0:38:53 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0136.COMP | 10 | 9:43 | 22:23:34.3 | -0:38:53 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0137.bcand948 | 1140 | 9:44 | 22:22:36.3 | -8:28:08 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0138.COMP | 10 | 10:04 | 22:22:36.3 | -8:28:08 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0139.bcand951 | 600 | 10:05 | 22:26:30.5 | -8:19:20 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0140.COMP | 10 | 10:15 | 22:26:30.5 | -8:19:20 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0141.bcand958 | 1200 | 10:17 | 23:14:51.4 | -8:45:36 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0142.COMP | 10 | 10:37 | 23:14:51.4 | -8:45:36 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0143.bcand959 | 1320 | 10:39 | 23:19:37.8 | 0:28:31 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0144.COMP | 10 | 11:02 | 23:19:37.8 | 0:28:31 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0145.bcand960 | 660 | 11:03 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0146.COMP | 10 | 11:14 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #166 Hyper Vel | 4 | |
| 0147-0156.BIAS | 0 | 11:18 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0157-0166.FLAT | 24 | 11:23 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0167-0176.FLAT | 45 | 11:32 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0177-0181.BIAS | 0 | 11:43 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 2 | |
| 0182-0186.DARK | 900 | 12:45 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 2 | |
| 0187-0191.DARK | 900 | 14:02 | 23:44:21.8 | -10:11:42 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |