

UT Date 2015-01-19 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0003.DARK | 900 | 01:32 | 01:28:50.6 | +31:25:50 | 300 | 89 | 3.0 | 0 Calibration | 4 | |
| 0004-0013.BIAS | 0 | 01:49 | 01:28:50.6 | +31:25:50 | 300 | 89 | 3.0 | 0 Calibration | 4 | |
| 0014-0033.FLAT | 7 | 01:57 | 01:28:50.6 | +31:25:50 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0034-0043.BIAS | 0 | 01:59 | 01:28:50.6 | +31:25:50 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0044.anASASSN-15ar | 900 | 02:05 | 02:28:20.4 | +10:23:04 | 300 | 70 | 3.0 | #220 ASASSN Tr | 2 | |
| 0045.anASASSN-15ar | 900 | 02:20 | 02:28:20.4 | +10:23:04 | 300 | 70 | 3.0 | #220 ASASSN Tr | 2 | |
| 0046.anASASSN-15ar | 900 | 02:35 | 02:28:20.4 | +10:23:04 | 300 | 70 | 3.0 | #220 ASASSN Tr | 2 | |
| 0047.COMP | 10 | 02:52 | 02:28:20.4 | +10:23:04 | 300 | 70 | 3.0 | 0 Calibration | 2 | |
| 0048.snASASSN-15ak | 1200 | 02:55 | 00:12:01.6 | +26:23:37 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0049.COMP | 10 | 03:16 | 00:12:01.6 | +26:23:37 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0050.HD19445 | 10 | 03:18 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 10 | 03:18 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0052.snASASSN-15bc | 1200 | 03:21 | 04:06:14.6 | -08:53:08 | 300 | 80 | 3.0 | #220 ASASSN Tr | 2 | |
| 0053.snASASSN-15bc | 1200 | 03:41 | 04:06:14.6 | -08:53:08 | 300 | 80 | 3.0 | #220 ASASSN Tr | 2 | |
| 0054.COMP | 10 | 04:02 | 04:06:14.6 | -08:53:08 | 300 | 80 | 3.0 | 0 Calibration | 2 | |
| 0055.G191B2B | 300 | 04:06 | 05:05:30.6 | +52:49:52 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0056.COMP | 10 | 04:12 | 05:05:30.6 | +52:49:52 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0057.hss239 | 900 | 04:19 | 03:21:54.6 | -00:39:38 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0058.COMP | 10 | 04:34 | 03:21:54.6 | -00:39:38 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0059.G191B2B | 420 | 04:38 | 05:05:30.6 | +52:49:52 | 600 | 90 | 1.5 | #56 Spectropho | 4 | |

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| 0060.COMP | 10 | 04:45 | 05:05:30.6 | +52:49:52 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0061-0070.FLAT | 12 | 04:50 | 05:05:30.6 | +52:49:52 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0071.COMP | 5 | 04:53 | 05:05:30.6 | +52:49:52 | 300 | 88 | 3.0 | 0 Calibration | 4 | test |
| 0072.COMP | 5 | 04:55 | 05:05:30.6 | +52:49:52 | 300 | 88 | 3.0 | 0 Calibration | 4 | test |
| 0073.COMP | 5 | 04:56 | 05:05:30.6 | +52:49:52 | 300 | 88 | 3.0 | 0 Calibration | 4 | test |
| 0074.000_WHSS064015 | 1800 | 05:02 | 06:40:15.2 | +10:01:58 | 300 | 70 | 3.0 | #221 Bright Hi | 2 | |
| 0075.COMP | 10 | 05:33 | 06:40:15.2 | +10:01:58 | 300 | 70 | 3.0 | 0 Calibration | 2 | |
| 0076.001_WHSS064632 | 600 | 05:37 | 06:46:32.7 | +27:22:13 | 300 | 90 | 3.0 | #221 Bright Hi | 2 | |
| 0077.COMP | 10 | 05:47 | 06:46:32.7 | +27:22:13 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0078.002_WHSS065345 | 1200 | 05:50 | 06:53:45.4 | +10:22:57 | 300 | 100 | 3.0 | #221 Bright Hi | 2 | |
| 0079.COMP | 10 | 06:10 | 06:53:45.4 | +10:22:57 | 300 | 100 | 3.0 | 0 Calibration | 2 | |
| 0080.003_WHSS070002 | 1500 | 06:13 | 07:00:02.7 | +12:00:17 | 300 | 91 | 3.0 | #221 Bright Hi | 2 | |
| 0081.COMP | 10 | 06:39 | 07:00:02.7 | +12:00:17 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0082.004_WHSS070246 | 1500 | 06:43 | 07:02:46.3 | +40:02:56 | 300 | 90 | 3.0 | #221 Bright Hi | 2 | |
| 0083.COMP | 10 | 07:08 | 07:02:46.3 | +40:02:56 | 300 | 91 | 3.0 | 0 Calibration | 2 | |
| 0084.005_WHSS073000 | 900 | 07:10 | 07:30:00.3 | +30:01:50 | 300 | 91 | 3.0 | #221 Bright Hi | 2 | |
| 0085.COMP | 10 | 07:25 | 07:30:00.3 | +30:01:50 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0086.006_WHSS073424 | 1800 | 07:27 | 07:34:24.2 | +28:23:39 | 300 | 90 | 3.0 | #221 Bright Hi | 2 | |
| 0087.COMP | 10 | 07:57 | 07:34:24.2 | +28:23:39 | 300 | 91 | 3.0 | 0 Calibration | 2 | |
| 0088.007_WHSS073639 | 1800 | 08:08 | 07:36:39.8 | +16:06:27 | 300 | 90 | 3.0 | #221 Bright Hi | 2 | |

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| 0089.COMP | 10 | 08:38 | 07:36:39.8 | +16:06:27 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0090.sn2015A | 1800 | 08:41 | 09:41:15.6 | +35:53:17 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0091.COMP | 10 | 09:12 | 09:41:15.6 | +35:53:17 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0092.snASASSN-15as | 1200 | 09:14 | 09:39:16.6 | +06:25:49 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0093.snASASSN-15as | 1200 | 09:34 | 09:39:16.6 | +06:25:49 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0094.snASASSN-15as | 1200 | 09:54 | 09:39:16.6 | +06:25:49 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0095.COMP | 10 | 10:15 | 09:39:16.6 | +06:25:49 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0096.snASASSN-15az | 1200 | 10:17 | 11:08:37.6 | -10:14:58 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0097.snASASSN-15az | 1200 | 10:37 | 11:08:37.6 | -10:14:58 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0098.snASASSN-15az | 1200 | 10:57 | 11:08:37.6 | -10:14:58 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0099.COMP | 10 | 11:18 | 11:08:37.6 | -10:14:58 | 300 | 91 | 3.0 | 0 Calibration | 2 | |
| 0100.snASASSN-14li | 1800 | 11:21 | 12:48:15.2 | +17:46:26 | 300 | 91 | 3.0 | #220 ASASSN Tr | 2 | |
| 0101.COMP | 10 | 11:52 | 12:48:15.2 | +17:46:26 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0102.snBRUTUS7038_7 | 1800 | 11:54 | 14:04:55.1 | +08:55:13 | 300 | 70 | 3.0 | #220 ASASSN Tr | 2 | |
| 0103.COMP | 10 | 12:25 | 14:04:55.1 | +08:55:13 | 300 | 71 | 3.0 | 0 Calibration | 2 | |
| 0104.snSASSN-15bd | 1200 | 12:27 | 15:54:38.3 | +16:36:38 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0105.snSASSN-15bd | 1200 | 12:47 | 15:54:38.3 | +16:36:38 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0106.COMP | 10 | 13:08 | 15:54:38.3 | +16:36:38 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0107.BDp332642 | 120 | 13:10 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0108.COMP | 10 | 13:12 | 15:51:59.9 | +32:56:54 | 300 | 89 | 3.0 | 0 Calibration | 2 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0109.BDp262606 | 90 | 13:14 | 14:49:02.4 | +25:42:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0110.COMP | 10 | 13:16 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0111.BDp262606 | 45 | 13:16 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0112.COMP | 10 | 13:18 | 14:49:02.4 | +25:42:09 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0113.N5866 | 180 | 13:19 | 15:06:29.5 | +55:45:48 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0114.COMP | 10 | 13:23 | 15:06:29.5 | +55:45:48 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0115-0124.BIAS | 0 | 13:28 | 15:06:29.5 | +55:45:48 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0125-0144.FLAT | 7 | 13:34 | 15:06:29.5 | +55:45:48 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0145-0149.DARK | 900 | 14:37 | 15:06:29.5 | +55:45:48 | 300 | 88 | 3.0 | 0 Calibration | 4 | |
| 0150-0154.DARK | 900 | 15:54 | 15:06:29.5 | +55:45:48 | 300 | 88 | 3.0 | 0 Calibration | 2 | |