

UT Date 2015-11-12 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|--------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------|
| 0001-0009.DARK | 900 | 00:46 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | 0 Calibration | 4 | |
| 0010-0029.FLAT | 7 | 01:09 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0030-0040.BIAS | 0 | 01:12 | 10:47:42.4 | +13:59:08 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0041.BDp284211 | 150 | 01:24 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | horrible seeing |
| 0042.COMP | 10 | 01:27 | 21:51:11.0 | +28:51:50 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0043.BDp174708 | 35 | 01:30 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0044.COMP | 10 | 01:32 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0045.BDp174708 | 90 | 01:33 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0046.COMP | 10 | 01:35 | 22:11:31.4 | +18:05:34 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0047.N7331 | 300 | 01:37 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0048.COMP | 10 | 01:42 | 22:37:04.1 | +34:24:56 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0049.HMSge | 3 | 01:45 | 19:41:57.0 | +16:44:41 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0050.HMSge | 40 | 01:46 | 19:41:57.0 | +16:44:41 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0051.HMSge | 10 | 01:48 | 19:41:57.0 | +16:44:41 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0052.HMSge | 110 | 01:48 | 19:41:57.0 | +16:44:41 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0053.COMP | 10 | 01:51 | 19:41:57.0 | +16:44:41 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0054.AS360 | 100 | 01:55 | 19:45:49.0 | +18:36:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0055.AS360 | 480 | 01:58 | 19:45:49.0 | +18:36:49 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0056.COMP | 10 | 02:06 | 19:45:49.0 | +18:36:49 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0057.snPSNJ2131237 | 1800 | 02:11 | 21:31:23.7 | +43:36:31 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |

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|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------------|
| 0058.COMP | 10 | 02:42 | 21:31:23.7 | +43:36:31 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0059.WHSS221551+392132 | 2400 | 02:51 | 22:15:52.0 | +39:21:32 | 300 | 88 | 3.0 | #221 Bright Hi | 2 | |
| 0060.COMP | 10 | 03:32 | 22:15:52.0 | +39:21:32 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0061.snASASSN-15sf | 2400 | 03:38 | 00:11:27.6 | -06:25:38 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0062.COMP | 10 | 04:19 | 00:11:27.6 | -06:25:38 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0063.PS15cku | 2400 | 04:26 | 01:24:22.5 | +03:35:15 | 300 | 71 | 3.0 | #2 SN Observat | 2 | |
| 0064.COMP | 10 | 05:07 | 01:24:22.5 | +03:35:15 | 300 | 71 | 3.0 | 0 Calibration | 2 | |
| 0065.snASASSN-15rw | 2400 | 05:13 | 02:15:58.1 | +12:14:15 | 300 | 90 | 3.0 | #220 ASASSN Tr | 2 | |
| 0066.COMP | 10 | 05:53 | 02:15:58.1 | +12:14:15 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0067-0076.FLAT | 18 | 06:04 | 02:15:58.1 | +12:14:15 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0077.G183.1 | 420 | 06:11 | 02:00:13.0 | +13:03:07 | 600 | 89 | 2.0 | #222 M dwarfs | 2 | |
| 0078.COMP | 10 | 06:19 | 02:00:13.0 | +13:03:07 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0079.LSPMJ0354+2416 | 2400 | 06:21 | 03:54:46.2 | +24:16:25 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0080.COMP | 10 | 07:02 | 03:54:46.2 | +24:16:25 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0081.LSPMJ0429+1413 | 480 | 07:03 | 04:29:18.5 | +14:14:00 | 600 | 89 | 2.0 | #222 M dwarfs | 2 | |
| 0082.COMP | 10 | 07:12 | 04:29:18.5 | +14:14:00 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0083.PM_I04380-0556 | 840 | 07:15 | 04:38:02.5 | -05:56:14 | 600 | 100 | 2.0 | #222 M dwarfs | 2 | |
| 0084.COMP | 10 | 07:29 | 04:38:02.5 | -05:56:14 | 600 | 100 | 2.0 | 0 Calibration | 2 | |
| 0085.LSPMJ0418+0315E | 1800 | 07:33 | 04:18:52.9 | +03:15:14 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | seeing dramatically improved |
| 0086.COMP | 10 | 08:03 | 04:18:52.9 | +03:15:14 | 600 | 90 | 2.0 | 0 Calibration | 2 | |

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|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0087.LSPMJ0425+3705 | 1800 | 08:06 | 04:25:19.2 | +37:05:08 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0088.COMP | 10 | 08:37 | 04:25:19.2 | +37:05:08 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0089.LSPMJ0448+3648 | 1800 | 08:39 | 04:48:57.8 | +36:48:23 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0090.COMP | 10 | 09:10 | 04:48:57.8 | +36:48:23 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0091.LSPMJ0449+4828 | 480 | 09:12 | 04:49:29.5 | +48:28:46 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0092.COMP | 10 | 09:20 | 04:49:29.5 | +48:28:46 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0093.PM_I05093-1348 | 2400 | 09:24 | 05:09:19.4 | -13:48:41 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0094.COMP | 10 | 10:04 | 05:09:19.4 | -13:48:41 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0095.PM_I05593-0918 | 1800 | 10:08 | 05:59:19.6 | -09:18:34 | 600 | 90 | 2.0 | #222 M dwarfs | 2 | |
| 0096.COMP | 10 | 10:40 | 05:59:19.6 | -09:18:34 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0097.LSPMJ0610+2234 | 1500 | 10:43 | 06:10:22.5 | +22:34:20 | 600 | 80 | 2.0 | #222 M dwarfs | 2 | |
| 0098.COMP | 10 | 11:09 | 06:10:22.5 | +22:34:20 | 600 | 81 | 2.0 | 0 Calibration | 2 | |
| 0099.AWIO005wiu | 780 | 11:35 | 05:35:10.3 | -05:46:34 | 300 | 90 | 3.0 | #219 Disk Dete | 2 | |
| 0100.COMP | 10 | 11:49 | 05:35:10.3 | -05:46:34 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0101.AWIO005wow | 780 | 11:53 | 05:39:26.1 | -04:37:45 | 300 | 90 | 3.0 | #219 Disk Dete | 2 | |
| 0102.COMP | 10 | 12:07 | 05:39:26.1 | -04:37:45 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0103.snPSN091008 | 1800 | 12:10 | 09:10:08.8 | +50:03:40 | 300 | 100 | 3.0 | #2 SN Observat | 2 | |
| 0104.COMP | 10 | 12:42 | 09:10:08.8 | +50:03:40 | 300 | 98 | 3.0 | 0 Calibration | 2 | |
| 0105.snASASSN-15so | 420 | 12:44 | 11:14:11.0 | +48:19:07 | 300 | 91 | 3.0 | #220 ASASSN Tr | 2 | |
| 0106.COMP | 10 | 12:52 | 11:14:11.0 | +48:19:07 | 300 | 91 | 3.0 | 0 Calibration | 2 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0107.Feige34 | 150 | 12:53 | 10:39:36.7 | +43:06:09 | 300 | 91 | 3.0 | #56 Spectropho | 2 | |
| 0108.COMP | 10 | 12:56 | 10:39:36.7 | +43:06:09 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0109.HD84937 | 25 | 12:58 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0110.COMP | 10 | 12:59 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0111.HD84937 | 15 | 13:00 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0112.COMP | 10 | 13:01 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0113-0122.BIAS | 0 | 13:05 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0123-0142.FLAT | 8 | 13:13 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0143-0152.DARK | 900 | 15:35 | 09:48:56.1 | +13:44:39 | 300 | 90 | 3.0 | 0 Calibration | 2 | |