

UT Date 2016-09-06 Observers P BerlindColl. Focus 1320 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------|
| 0001-0005.DARK | 900 | 21:01 | 04:57:58.6 | -05:06:16 | 600 | 88 | 2.0 | 0 Calibration | 2 | |
| 0006-0010.DARK | 900 | 22:17 | 04:57:58.6 | -05:06:16 | 600 | 88 | 2.0 | 0 Calibration | 4 | |
| 0011.test | 10 | 22:38 | 18:15:00.0 | +31:40:00 | 300 | 88 | 3.0 | #57 Velocity S | 2 | |
| 0012-0021.BIAS | 0 | 01:43 | 18:15:00.0 | +31:40:00 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0022.FLAT | 7 | 01:44 | 18:15:00.0 | +31:40:00 | 300 | 88 | 3.0 | 0 Calibration | 2 | 300-line, 3sec |
| 0023-0036.FLAT | 7 | 01:49 | 18:15:00.0 | +31:40:00 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0037.TCrB | 15 | 02:13 | 15:59:30.0 | +25:55:12 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0038.TCrB | 30 | 02:14 | 15:59:30.0 | +25:55:12 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0039.COMP | 10 | 02:16 | 15:59:30.0 | +25:55:12 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0040.AGDra | 10 | 02:19 | 16:01:41.0 | +66:48:10 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0041.AGDra | 30 | 02:20 | 16:01:41.0 | +66:48:10 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0042.AGDra | 30 | 02:21 | 16:01:41.0 | +66:48:10 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0043.AGDra | 60 | 02:23 | 16:01:41.0 | +66:48:10 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0044.COMP | 10 | 02:24 | 16:01:41.0 | +66:48:10 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0045.BDp332642 | 120 | 02:26 | 15:51:59.9 | +32:56:54 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0046.COMP | 10 | 02:29 | 15:51:59.9 | +32:56:54 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0047.RSOph | 30 | 02:32 | 17:50:13.0 | -06:42:30 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0049.RSOph | 60 | 02:34 | 17:50:13.0 | -06:42:30 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0050.RSOph | 150 | 02:36 | 17:50:13.0 | -06:42:30 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0051.COMP | 10 | 02:39 | 17:50:13.0 | -06:42:30 | 300 | 88 | 3.0 | 0 Calibration | 2 | |

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|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0052.AS270 | 60 | 02:41 | 18:05:33.7 | -20:20:38 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0053.AS270 | 360 | 02:42 | 18:05:33.7 | -20:20:38 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0054.COMP | 10 | 02:49 | 18:05:33.7 | -20:20:38 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0055.AS289 | 15 | 02:50 | 18:12:22.0 | -11:40:08 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0056.AS289 | 28 | 02:50 | 18:12:22.0 | -11:40:08 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0057.AS289 | 180 | 02:51 | 18:12:22.0 | -11:40:08 | 300 | 88 | 3.0 | #12 Symbiotic | 2 | |
| 0058.COMP | 10 | 02:55 | 18:12:22.0 | -11:40:08 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0059.XMM_TDE | 1800 | 03:00 | 14:46:05.2 | +68:57:31 | 300 | 45 | 3.0 | #225 SLSNe and | 2 | |
| 0060.COMP | 10 | 03:31 | 14:46:05.2 | +68:57:31 | 300 | 45 | 3.0 | 0 Calibration | 2 | |
| 0061.sn2016esh | 1800 | 03:36 | 16:04:14.3 | +16:41:24 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0062.COMP | 10 | 04:06 | 16:04:14.3 | +16:41:24 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0063.AS296 | 30 | 04:10 | 18:15:07.0 | -00:18:52 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0064.AS296 | 120 | 04:11 | 18:15:07.0 | -00:18:52 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0065.AS296 | 15 | 04:13 | 18:15:07.0 | -00:18:52 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0066.COMP | 10 | 04:14 | 18:15:07.0 | -00:18:52 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0067.AS327 | 30 | 04:16 | 18:53:17.0 | -24:22:59 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0068.AS327 | 90 | 04:16 | 18:53:17.0 | -24:22:59 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0069.AS327 | 300 | 04:18 | 18:53:17.0 | -24:22:59 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0070.COMP | 10 | 04:24 | 18:53:17.0 | -24:22:59 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0071.V2601Sgr | 90 | 04:25 | 18:38:02.0 | -22:41:53 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |

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|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------|
| 0072.V2601Sgr | 300 | 04:27 | 18:38:02.0 | -22:41:53 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0073.COMP | 10 | 04:32 | 18:38:02.0 | -22:41:53 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0074.BDp404032 | 120 | 04:35 | 20:08:24.1 | +41:15:04 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0075.COMP | 10 | 04:37 | 20:08:24.1 | +41:15:04 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0076.BDp284211 | 150 | 04:39 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0077.COMP | 10 | 04:42 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0078.BDp174708 | 90 | 04:43 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0079.BDp174708 | 90 | 04:45 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0080.BDp174708 | 90 | 04:47 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0081.COMP | 10 | 04:49 | 22:11:31.4 | +18:05:34 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0082.COMP | 10 | 04:54 | 19:31:04.6 | -03:06:19 | 600 | 90 | 2.0 | 0 Calibration | 2 | |
| 0083.19310458-0306186 | 1200 | 04:56 | 19:31:04.6 | -03:06:19 | 600 | 90 | 2.0 | #228 M Dwarfs | 2 | 600-line, 2-sec, 752 |
| 0084.19310458-0306186 | 1200 | 05:17 | 19:31:04.6 | -03:06:19 | 600 | 90 | 2.0 | #228 M Dwarfs | 2 | |
| 0085.19310458-0306186 | 1200 | 05:37 | 19:31:04.6 | -03:06:19 | 600 | 90 | 2.0 | #228 M Dwarfs | 2 | |
| 0086.COMP | 10 | 05:59 | 19:31:04.6 | -03:06:19 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0087.20000565+3057300 | 1200 | 06:01 | 20:00:05.7 | +30:57:32 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | |
| 0088.20000565+3057300 | 1200 | 06:22 | 20:00:05.7 | +30:57:32 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | |
| 0089.20000565+3057300 | 1200 | 06:42 | 20:00:05.7 | +30:57:32 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | |
| 0090.COMP | 10 | 07:03 | 20:00:05.7 | +30:57:32 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0091.BDp174708 | 90 | 07:04 | 22:11:31.4 | +18:05:34 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | use this spectrum 91 |

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|--------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------------|
| 0092.BDp174708 | 90 | 07:07 | 22:11:31.4 | +18:05:34 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | |
| 0093.BDp174708 | 90 | 07:09 | 22:11:31.4 | +18:05:34 | 600 | 89 | 2.0 | #228 M Dwarfs | 2 | |
| 0094.COMP | 10 | 07:11 | 22:11:31.4 | +18:05:34 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0095-0104.FLAT | 12 | 07:16 | 23:30:00.0 | +32:00:00 | 600 | 89 | 2.0 | 0 Calibration | 2 | |
| 0105.test | 10 | 07:18 | 23:30:00.0 | +32:00:00 | 300 | 89 | 3.0 | #228 M Dwarfs | 2 | |
| 0106.test | 10 | 07:19 | 23:30:00.0 | +32:00:00 | 300 | 89 | 3.0 | #228 M Dwarfs | 2 | |
| 0107.snASASSN-16jw | 720 | 07:22 | 02:06:51.2 | +14:43:22 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0108.snASASSN-16jw | 720 | 07:34 | 02:06:51.2 | +14:43:22 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0109.snASASSN-16jw | 720 | 07:46 | 02:06:51.2 | +14:43:22 | 300 | 89 | 3.0 | #220 ASASSN Tr | 2 | |
| 0110.COMP | 10 | 07:59 | 02:06:51.2 | +14:43:22 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0111.PS16dtm | 1800 | 08:01 | 01:58:04.7 | -00:52:22 | 300 | 89 | 3.0 | #225 SLSNe and | 2 | |
| 0112.COMP | 10 | 08:31 | 01:58:04.7 | -00:52:22 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0113.test.HD19445 | 10 | 08:49 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | running through focus |
| 0114.test.HD19445 | 10 | 08:50 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | looking for color changes |
| 0115.test.HD19445 | 10 | 08:50 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0116.test.HD19445 | 10 | 08:51 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0117.test.HD19445 | 10 | 08:52 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0118.test.HD19445 | 10 | 08:52 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0119.test.HD19445 | 10 | 08:52 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0120.test.HD19445 | 10 | 08:54 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|---------------------------|
| 0121.PS16dtm | 1797 | 08:59 | 01:58:04.7 | -00:52:22 | 300 | 89 | 3.0 | #225 SLSNe and | 2 | repeat, stopped by clouds |
| 0122.COMP | 10 | 09:30 | 01:58:04.7 | -00:52:22 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0123-0132.BIAS | 0 | 09:46 | 00:39:19.6 | +30:51:40 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0133-0147.FLAT | 7 | 09:52 | 00:39:19.6 | +30:51:40 | 300 | 88 | 3.0 | 0 Calibration | 2 | |