

UT Date 2013-10-01 Observers KRines/EBatsonColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------------|
| 0001.DARK | 1800 | 22:19 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 2 | binby2 |
| 0002-0005.DARK | 1800 | 00:21 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0006-0015.BIAS | 0 | 01:21 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0016.BIAS | 0 | 01:21 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | binby4 |
| 0017-0025.BIAS | 0 | 01:22 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0026.FLAT | 12 | 01:22 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | flatlamps off - do not use |
| 0027.FLAT | 12 | 01:23 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | 600l grating,1.5slit |
| 0028.FLAT | 12 | 01:23 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | tilt=445,headers not updated |
| 0029-0036.FLAT | 12 | 01:26 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0037.BDp284211 | 120 | 02:14 | 21:51:11.0 | +28:51:50 | 300 | 84 | 3.0 | #56 Spectropho | 4 | |
| 0038.COMP | 5 | 02:17 | 21:51:11.0 | +28:51:50 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0039.bhvs402 | 600 | 02:18 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0040.COMP | 10 | 02:29 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0041.bhvs402 | 600 | 02:29 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0042.COMP | 10 | 02:40 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0043.bhvs402 | 600 | 02:41 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0044.COMP | 10 | 02:51 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0045.bhvs402 | 600 | 02:52 | 21:41:28.3 | +11:46:23 | 300 | 83 | 3.0 | #178 Low Mass | 4 | |
| 0046.COMP | 10 | 03:02 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0047.bhvs402 | 600 | 03:03 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |

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|--------------|----------|----------|------------|-----------|-----|------|------|---------------|-----|----------|
| 0048.COMP | 10 | 03:13 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0049.bhvs402 | 600 | 03:14 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0050.COMP | 10 | 03:24 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0051.bhvs402 | 600 | 03:25 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0052.COMP | 10 | 03:35 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0053.bhvs402 | 600 | 03:36 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0054.COMP | 10 | 03:46 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0055.bhvs402 | 600 | 03:47 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0056.COMP | 10 | 03:57 | 21:41:28.3 | +11:46:23 | 300 | 83 | 3.0 | 0 Calibration | 4 | |
| 0057.bhvs402 | 600 | 03:57 | 21:41:28.3 | +11:46:23 | 300 | 83 | 3.0 | #178 Low Mass | 4 | |
| 0058.COMP | 10 | 04:08 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0059.bhvs402 | 600 | 04:09 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0060.COMP | 10 | 04:19 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0061.bhvs402 | 600 | 04:19 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0062.COMP | 10 | 04:30 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0063.bhvs402 | 600 | 04:30 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0064.COMP | 10 | 04:41 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0065.bhvs402 | 600 | 04:41 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0066.COMP | 10 | 04:52 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0067.bhvs402 | 600 | 04:52 | 21:41:28.3 | +11:46:23 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |

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|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0068.COMP | 10 | 05:03 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0069.bhvs402 | 600 | 05:03 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0070.COMP | 10 | 05:14 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0071.bhvs402 | 600 | 05:14 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0072.COMP | 10 | 05:25 | 21:41:28.3 | +11:46:23 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0073.lmwd483 | 1380 | 05:26 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0074.COMP | 10 | 05:50 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0075.lmwd483 | 1380 | 05:50 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0076.COMP | 10 | 06:15 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0077.lmwd483 | 1380 | 06:15 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0078.COMP | 10 | 06:39 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0079.lmwd483 | 1380 | 06:40 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0080.COMP | 10 | 07:03 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0081.lmwd483 | 1380 | 07:04 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | #178 Low Mass | 4 | |
| 0082.COMP | 10 | 07:27 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0083.lmwd483 | 1380 | 07:28 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0084.COMP | 10 | 07:51 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0085.lmwd483 | 1380 | 07:52 | 21:51:59.2 | +16:14:49 | 300 | 85 | 3.0 | #178 Low Mass | 4 | |
| 0086.COMP | 10 | 08:15 | 21:51:59.2 | +16:14:49 | 300 | 84 | 3.0 | 0 Calibration | 4 | |
| 0087.sn2013fj | 1800 | 08:22 | 22:15:28.5 | +15:34:04 | 300 | 84 | 3.0 | #2 SN Observat | 4 | binby4 |

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|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------|
| 0088.COMP | 5 | 08:53 | 22:15:28.5 | +15:34:04 | 300 | 85 | 3.0 | 0 Calibration | 4 | |
| 0090.fast3 | 0 | 00:00 | 21:51:11.0 | +28:51:50 | 300 | 85 | 3.0 | #56 Spectropho | 2 | restarted ccd;binby2 |
| 0091.fast3 | 90 | 09:04 | 21:51:11.0 | +28:51:50 | 300 | 85 | 3.0 | #56 Spectropho | 2 | Std BDp284211 |
| 0092.COMP | 5 | 09:06 | 21:51:11.0 | +28:51:50 | 300 | 85 | 3.0 | 0 Calibration | 2 | |
| 0093.HPbcg048 | 480 | 09:08 | 00:20:34.4 | +28:27:17 | 300 | 85 | 3.0 | #210 Brightest | 2 | |
| 0094.COMP | 5 | 09:16 | 00:20:34.4 | +28:27:17 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0095.HPbcg049 | 720 | 09:18 | 00:20:41.6 | +28:55:09 | 300 | 84 | 3.0 | #210 Brightest | 2 | |
| 0096.COMP | 5 | 09:31 | 00:20:41.6 | +28:55:09 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0097.HPbcg093 | 480 | 09:32 | 23:50:43.5 | +29:48:09 | 300 | 84 | 3.0 | #210 Brightest | 2 | |
| 0098.COMP | 5 | 09:40 | 23:50:43.5 | +29:48:09 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0099.HPbcg095 | 360 | 09:42 | 23:50:33.0 | +29:12:12 | 300 | 84 | 3.0 | #210 Brightest | 2 | |
| 0100.COMP | 5 | 09:48 | 23:50:33.0 | +29:12:12 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0101.HPbcg096 | 480 | 09:50 | 23:50:03.5 | +29:50:53 | 300 | 84 | 3.0 | #210 Brightest | 2 | |
| 0102.COMP | 5 | 09:58 | 23:50:03.5 | +29:50:53 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0103.back68 | 720 | 10:03 | 02:03:06.1 | +16:07:06 | 300 | 84 | 3.0 | #216 Local Com | 2 | |
| 0104.COMP | 5 | 10:15 | 02:03:06.1 | +16:07:06 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0105.back49 | 600 | 10:17 | 02:03:24.2 | +16:12:25 | 300 | 84 | 3.0 | #216 Local Com | 2 | |
| 0106.COMP | 5 | 10:27 | 02:03:24.2 | +16:12:25 | 300 | 85 | 3.0 | 0 Calibration | 2 | |
| 0107.back67 | 1200 | 10:30 | 02:03:48.0 | +15:48:42 | 300 | 85 | 3.0 | #216 Local Com | 2 | |
| 0108.COMP | 5 | 10:50 | 02:03:48.0 | +15:48:42 | 300 | 85 | 3.0 | 0 Calibration | 2 | |

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|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------|
| 0109.back36 | 480 | 10:51 | 02:04:02.6 | +15:29:18 | 300 | 85 | 3.0 | #216 Local Com | 2 | |
| 0110.COMP | 5 | 11:00 | 02:04:02.6 | +15:29:18 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0111.back33 | 900 | 11:01 | 02:04:12.4 | +15:07:52 | 300 | 84 | 3.0 | #216 Local Com | 2 | |
| 0112.COMP | 5 | 11:17 | 02:04:12.4 | +15:07:52 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0113.back46 | 600 | 11:19 | 02:04:26.7 | +14:08:40 | 300 | 90 | 3.0 | #216 Local Com | 2 | |
| 0114.COMP | 5 | 11:29 | 02:04:26.7 | +14:08:40 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0115.back19 | 360 | 11:31 | 02:04:57.5 | +14:47:16 | 300 | 90 | 3.0 | #216 Local Com | 2 | |
| 0116.COMP | 5 | 11:37 | 02:04:57.5 | +14:47:16 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0117.psnJ0503 | 1800 | 11:41 | 05:03:35.1 | +01:34:18 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0118.COMP | 5 | 12:11 | 05:03:35.1 | +01:34:18 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0119.A00195.2 | 480 | 12:13 | 07:50:23.2 | +31:59:12 | 300 | 90 | 3.0 | #216 Local Com | 2 | |
| 0120.COMP | 5 | 12:22 | 07:50:23.2 | +31:59:12 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0121.A611_1 | 302 | 12:23 | 07:59:51.7 | +35:42:36 | 300 | 90 | 3.0 | #216 Local Com | 2 | getting bright |
| 0122.COMP | 5 | 12:29 | 07:59:51.7 | +35:42:36 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0123.GITau | 240 | 12:30 | 04:33:34.0 | +24:21:18 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0124.GKTau | 240 | 12:34 | 04:33:34.5 | +24:21:07 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0125.COMP | 5 | 12:39 | 04:33:34.5 | +24:21:07 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0126.HD19445 | 10 | 12:40 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0127.HD19445 | 10 | 12:40 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0128.HD19445 | 10 | 12:41 | 03:08:25.6 | +26:19:51 | 300 | 90 | 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0129.COMP | 5 | 12:41 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0130-0139.BIAS | 0 | 12:54 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0140-0154.FLAT | 7 | 12:59 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0155-0159.DARK | 900 | 14:03 | 03:08:25.6 | +26:19:51 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| test | 1800 | 22:19 | 07:25:23.0 | -03:35:51 | 300 | 84 | 3.0 | #12 Symbiotic | 2 | |