

UT Date 2017-10-20 Observers M CalkinsColl. Focus 1320 Grating/Grism 300

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments            |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------|
| 0001-0005.DARK | 900      | 01:00    | 05:00:59.3 | -28:25:34 | 600 | 88   | 1.5  | 0 Calibration  | 4   |                     |
| 0006-0015.BIAS | 0        | 01:17    | 05:00:59.3 | -28:25:34 | 600 | 88   | 1.5  | 0 Calibration  | 4   |                     |
| 0016-0035.FLAT | 12       | 01:26    | 05:00:59.3 | -28:25:34 | 600 | 88   | 1.5  | 0 Calibration  | 4   |                     |
| 0036-0045.BIAS | 0        | 01:31    | 05:00:59.3 | -28:25:34 | 600 | 88   | 1.5  | 0 Calibration  | 2   |                     |
| 0046.BDp284211 | 180      | 01:38    | 21:51:11.0 | +28:51:50 | 600 | 88   | 1.5  | #56 Spectropho | 4   |                     |
| 0047.COMP      | 10       | 01:42    | 21:51:11.0 | +28:51:50 | 600 | 88   | 1.5  | 0 Calibration  | 4   |                     |
| 0048.j1647p77  | 1300     | 01:44    | 16:47:08.6 | +77:12:46 | 600 | 88   | 1.5  | #178 Low Mass  | 4   | clouds, get again   |
| 0049.COMP      | 10       | 02:07    | 16:47:08.6 | +77:12:46 | 600 | 88   | 1.5  | 0 Calibration  | 4   |                     |
| 0050.j1647p77  | 1300     | 02:07    | 16:47:08.6 | +77:12:46 | 600 | 88   | 1.5  | #178 Low Mass  | 4   |                     |
| 0051.COMP      | 10       | 02:29    | 16:47:08.6 | +77:12:46 | 600 | 87   | 1.5  | 0 Calibration  | 4   |                     |
| 0052.j1647m00  | 1500     | 02:33    | 16:47:25.2 | -00:23:10 | 600 | 87   | 1.5  | #178 Low Mass  | 4   |                     |
| 0053.COMP      | 10       | 02:58    | 16:47:25.2 | -00:23:10 | 600 | 87   | 1.5  | 0 Calibration  | 4   | clouds passing thru |
| 0054.j2006p01  | 1800     | 04:56    | 20:06:41.1 | +01:05:29 | 600 | 88   | 1.5  | #178 Low Mass  | 4   |                     |
| 0055.COMP      | 10       | 05:26    | 20:06:41.1 | +01:05:29 | 600 | 88   | 1.5  | 0 Calibration  | 4   | wrking thru clds    |
| 0056.GITau     | 240      | 10:32    | 04:33:34.0 | +24:21:18 | 300 | 89   | 3.0  | #12 Symbiotic  | 2   |                     |
| 0057.COMP      | 10       | 10:37    | 04:33:34.0 | +24:21:18 | 300 | 88   | 3.0  | 0 Calibration  | 2   |                     |
| 0058.GKTau     | 240      | 10:38    | 04:33:34.5 | +24:21:07 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                     |
| 0059.COMP      | 10       | 10:42    | 04:33:34.5 | +24:21:07 | 300 | 88   | 3.0  | 0 Calibration  | 2   |                     |
| 0060.EGAnd     | 1        | 10:44    | 00:44:37.0 | +40:40:47 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                     |
| 0061.EGAnd     | 5        | 10:45    | 00:44:37.0 | +40:40:47 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                     |

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|-------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------|
| 0062.EGAnd        | 10       | 10:45    | 00:44:37.0 | +40:40:47 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                |
| 0063.COMP         | 10       | 10:46    | 00:44:37.0 | +40:40:47 | 300 | 88   | 3.0  | 0 Calibration  | 2   | through clouds |
| 0064.AXPer        | 4        | 10:47    | 01:36:23.0 | +54:15:03 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                |
| 0065.AXPer        | 30       | 10:48    | 01:36:23.0 | +54:15:03 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                |
| 0066.AXPer        | 90       | 10:48    | 01:36:23.0 | +54:15:03 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |                |
| 0067.COMP         | 10       | 10:50    | 01:36:23.0 | +54:15:03 | 300 | 88   | 3.0  | 0 Calibration  | 2   |                |
| 0068.BRUTUS8044_3 | 1800     | 10:53    | 04:36:34.3 | -00:46:42 | 300 | 88   | 3.0  | #220 ASASSN Tr | 2   |                |
| 0069.COMP         | 10       | 11:24    | 04:36:34.3 | -00:46:42 | 300 | 88   | 3.0  | 0 Calibration  | 2   |                |
| 0070.Hiltner600   | 90       | 11:32    | 06:45:13.4 | +02:08:15 | 300 | 88   | 3.0  | #56 Spectropho | 2   |                |
| 0071.COMP         | 10       | 11:34    | 06:45:13.4 | +02:08:15 | 300 | 88   | 3.0  | 0 Calibration  | 2   |                |
| 0072.G191B2B      | 480      | 11:48    | 05:05:30.6 | +52:49:52 | 300 | 88   | 3.0  | #56 Spectropho | 2   |                |
| 0073.COMP         | 10       | 11:56    | 05:05:30.6 | +52:49:52 | 300 | 87   | 3.0  | 0 Calibration  | 2   |                |
| 0074.sn2017hjl    | 1800     | 11:59    | 05:08:44.0 | +70:28:32 | 300 | 70   | 3.0  | #2 SN Observat | 2   |                |
| 0075.COMP         | 10       | 12:30    | 05:08:44.0 | +70:28:32 | 300 | 71   | 3.0  | 0 Calibration  | 2   |                |
| 0076-0085.BIAS    | 0        | 12:36    | 05:08:44.0 | +70:28:32 | 300 | 71   | 3.0  | 0 Calibration  | 2   |                |
| 0086-0105.FLAT    | 7        | 12:44    | 05:08:44.0 | +70:28:32 | 300 | 71   | 3.0  | 0 Calibration  | 2   |                |
| 0106-0108.DARK    | 900      | 13:17    | 05:08:44.0 | +70:28:32 | 300 | 71   | 3.0  | 0 Calibration  | 2   |                |