

UT Date 2018-02-10 Observers M CalkinsColl. Focus 1310 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0010.BIAS | 0 | 00:27 | 02:19:43.8 | +31:30:37 | 300 | 87 | 3.0 | 0 Calibration | 4 | |
| 0011-0030.FLAT | 7 | 00:45 | 02:19:43.8 | +31:30:37 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0031-0040.BIAS | 0 | 00:48 | 02:19:43.8 | +31:30:37 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0041-0043.DARK | 900 | 01:21 | 02:19:43.8 | +31:30:37 | 300 | 87 | 3.0 | 0 Calibration | 4 | |
| 0044.ZAnd | 1 | 02:08 | 23:33:40.0 | +48:49:06 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0045.ZAnd | 5 | 02:08 | 23:33:40.0 | +48:49:06 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0046.ZAnd | 30 | 02:09 | 23:33:40.0 | +48:49:06 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0047.COMP | 10 | 02:10 | 23:33:40.0 | +48:49:06 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0048.EGAnd | 1 | 02:12 | 00:44:37.0 | +40:40:47 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0049.EGAnd | 5 | 02:12 | 00:44:37.0 | +40:40:47 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0050.EGAnd | 30 | 02:12 | 00:44:37.0 | +40:40:47 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0051.EGAnd | 10 | 02:13 | 00:44:37.0 | +40:40:47 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0052.COMP | 10 | 02:14 | 00:44:37.0 | +40:40:47 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0053.AXPer | 4 | 02:16 | 01:36:23.0 | +54:15:03 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0054.AXPer | 30 | 02:16 | 01:36:23.0 | +54:15:03 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0055.AXPer | 90 | 02:17 | 01:36:23.0 | +54:15:03 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0056.COMP | 10 | 02:20 | 01:36:23.0 | +54:15:03 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0057.HD19445 | 10 | 02:23 | 03:08:25.6 | +26:19:51 | 300 | 84 | 3.0 | #56 Spectropho | 2 | |
| 0058.COMP | 10 | 02:24 | 03:08:25.6 | +26:19:51 | 300 | 84 | 3.0 | 0 Calibration | 2 | |
| 0059.PS16dtm | 1800 | 02:31 | 01:58:04.7 | -00:52:22 | 300 | 86 | 3.0 | #225 | 2 | |

UT Date 2018-02-10 Observers M CalkinsColl. Focus 1310 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0060.PS16dtm | 1800 | 03:01 | 01:58:04.7 | -00:52:22 | 300 | 86 | 3.0 | #225 | 2 | |
| 0061.COMP | 10 | 03:32 | 01:58:04.7 | -00:52:22 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0062.GITau | 240 | 03:34 | 04:33:34.0 | +24:21:18 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0063.COMP | 10 | 03:39 | 04:33:34.0 | +24:21:18 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0064.GKTau | 240 | 03:40 | 04:33:34.5 | +24:21:07 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0065.COMP | 10 | 03:44 | 04:33:34.5 | +24:21:07 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0066.BGGem | 300 | 04:28 | 06:03:31.0 | +27:41:50 | 300 | 86 | 3.0 | #12 Symbiotic | 2 | |
| 0067.BGGem | 1200 | 04:33 | 06:03:31.0 | +27:41:50 | 300 | 86 | 3.0 | #12 Symbiotic | 2 | |
| 0068.COMP | 10 | 04:54 | 06:03:31.0 | +27:41:50 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0069.G191B2B | 300 | 04:56 | 05:05:30.6 | +52:49:52 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0070.COMP | 10 | 05:01 | 05:05:30.6 | +52:49:52 | 300 | 86 | 3.0 | 0 Calibration | 2 | |
| 0071.BXMon | 15 | 05:05 | 07:25:23.0 | -03:35:51 | 300 | 86 | 3.0 | #12 Symbiotic | 2 | |
| 0072.BXMon | 180 | 05:06 | 07:25:23.0 | -03:35:51 | 300 | 86 | 3.0 | #12 Symbiotic | 2 | |
| 0073.COMP | 10 | 05:10 | 07:25:23.0 | -03:35:51 | 300 | 86 | 3.0 | 0 Calibration | 2 | |
| 0074.SS129 | 300 | 05:13 | 07:32:45.0 | -26:49:16 | 300 | 70 | 3.0 | #12 Symbiotic | 2 | |
| 0075.SS129 | 300 | 05:18 | 07:32:45.0 | -26:49:16 | 300 | 70 | 3.0 | #12 Symbiotic | 2 | |
| 0076.COMP | 10 | 05:24 | 07:32:45.0 | -26:49:16 | 300 | 70 | 3.0 | 0 Calibration | 2 | |
| 0077.sn2018ph | 1800 | 05:27 | 08:11:02.3 | +05:05:14 | 300 | 50 | 3.0 | #2 SN Observat | 2 | |
| 0078.COMP | 10 | 05:57 | 08:11:02.3 | +05:05:14 | 300 | 50 | 3.0 | 0 Calibration | 2 | |
| 0079.sn2018gv | 300 | 05:59 | 08:05:34.6 | -11:26:16 | 300 | 100 | 3.0 | #2 SN Observat | 2 | |

UT Date 2018-02-10 Observers M CalkinsColl. Focus 1310 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------|
| 0080.sn2018gv | 300 | 06:04 | 08:05:34.6 | -11:26:16 | 300 | 100 | 3.0 | #2 SN Observat | 2 | |
| 0081.sn2018gv | 300 | 06:09 | 08:05:34.6 | -11:26:16 | 300 | 100 | 3.0 | #2 SN Observat | 2 | |
| 0082.COMP | 10 | 06:15 | 08:05:34.6 | -11:26:16 | 300 | 100 | 3.0 | 0 Calibration | 2 | |
| 0083.sn2018oh | 300 | 06:18 | 09:06:39.5 | +19:20:18 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0084.sn2018oh | 300 | 06:23 | 09:06:39.5 | +19:20:18 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0085.sn2018oh | 300 | 06:28 | 09:06:39.5 | +19:20:18 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0086.COMP | 10 | 06:34 | 09:06:39.5 | +19:20:18 | 300 | 91 | 3.0 | 0 Calibration | 2 | |
| 0087.sn2018iq | 1800 | 06:35 | 09:05:59.8 | +35:22:24 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0088.COMP | 10 | 07:08 | 09:05:59.8 | +35:22:24 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0089.SN2018dx | 1800 | 07:11 | 09:16:12.3 | +39:03:42 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0090.SN2018dx | 1800 | 07:41 | 09:16:12.3 | +39:03:42 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0091.SN2018dx | 1800 | 08:11 | 09:16:12.3 | +39:03:42 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0092.COMP | 10 | 08:42 | 09:16:12.3 | +39:03:42 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0093.sn2018gl | 1800 | 08:55 | 09:58:06.2 | +10:21:34 | 300 | 18 | 3.0 | #2 SN Observat | 2 | |
| 0094.COMP | 5 | 09:32 | 09:58:06.2 | +10:21:34 | 300 | 17 | 3.0 | 0 Calibration | 2 | |
| 0095.AT2018pt | 1800 | 09:36 | 12:56:06.2 | +32:03:16 | 300 | 86 | 3.0 | #225 | 2 | |
| 0096.AT2018pt | 1800 | 10:23 | 12:56:06.2 | +32:03:16 | 300 | 86 | 3.0 | #225 | 2 | clouds mving in |
| 0097.COMP | 10 | 11:01 | 12:56:06.2 | +32:03:16 | 300 | 86 | 3.0 | 0 Calibration | 2 | |
| 0098.TXCVn | 15 | 11:04 | 12:44:42.0 | +36:45:48 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0099.TXCVn | 40 | 11:05 | 12:44:42.0 | +36:45:48 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |

UT Date 2018-02-10 Observers M CalkinsColl. Focus 1310 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0100.COMP | 10 | 11:07 | 12:44:42.0 | +36:45:48 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0101.RWHya | 3 | 11:09 | 13:34:18.0 | -25:22:51 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0102.RWHya | 15 | 11:09 | 13:34:18.0 | -25:22:51 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0103.RWHya | 30 | 11:10 | 13:34:18.0 | -25:22:51 | 300 | 87 | 3.0 | #12 Symbiotic | 2 | |
| 0104.COMP | 10 | 11:11 | 13:34:18.0 | -25:22:51 | 300 | 87 | 3.0 | 0 Calibration | 2 | |
| 0105.bb894 | 15 | 11:19 | 11:41:40.4 | +09:44:00 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0106.COMP | 10 | 11:20 | 11:41:40.4 | +09:44:00 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0107.bb895 | 120 | 11:22 | 11:46:34.7 | +00:23:10 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0108.COMP | 10 | 11:25 | 11:46:34.7 | +00:23:10 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0109.Feige34 | 180 | 11:30 | 10:39:36.7 | +43:06:09 | 600 | 89 | 1.5 | #56 Spectropho | 4 | |
| 0110.COMP | 10 | 11:34 | 10:39:36.7 | +43:06:09 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0111.bb950 | 1080 | 11:36 | 12:53:39.0 | -15:48:34 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0112.COMP | 10 | 11:55 | 12:53:39.0 | -15:48:34 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0113.bb951 | 720 | 11:56 | 12:53:45.3 | -15:43:01 | 600 | 89 | 1.5 | #178 Low Mass | 4 | clouds thicker |
| 0114.COMP | 10 | 12:09 | 12:53:45.3 | -15:43:01 | 600 | 90 | 1.5 | 0 Calibration | 4 | waiting out clouds |
| 0115.bb1019 | 60 | 12:31 | 14:05:11.2 | -00:07:55 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0116.COMP | 10 | 12:33 | 14:05:11.2 | -00:07:55 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0117.bb1021 | 600 | 12:35 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0118.COMP | 10 | 12:45 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0119-0138.FLAT | 12 | 13:09 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | 0 Calibration | 4 | |

UT Date 2018-02-10 Observers M CalkinsColl. Focus 1310 Grating/Grism 600

| <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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0139-0148.BIAS | 0 | 13:15 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0149-0153.DARK | 900 | 14:23 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0154-0158.DARK | 900 | 15:39 | 14:06:27.2 | -11:39:35 | 600 | 90 | 1.5 | 0 Calibration | 2 | |