

UT Date 2012-07-18 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0010.BIAS | 0 | 02:17 | 14:35:29.6 | +31:33:40 | 300 | 89 | 3.0 | #2 SN Observat | 4 | |
| 0011-0030.FLAT | 10 | 02:34 | 14:46:09.6 | +31:33:32 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0031-0040.BIAS | 0 | 03:02 | 14:46:09.6 | +31:33:32 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0041.BDp262606 | 60 | 03:25 | 14:49:02.4 | +25:42:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0042.COMP | 10 | 03:26 | 14:49:02.4 | +25:42:09 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0043.BDp332642 | 120 | 03:28 | 15:51:59.9 | +32:56:54 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0044.COMP | 10 | 03:31 | 15:51:59.9 | +32:56:54 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0045.sn2012cg | 1200 | 03:34 | 12:27:12.8 | +09:25:13 | 300 | 104 | 3.0 | #2 SN Observat | 2 | |
| 0046.COMP | 10 | 03:54 | 12:27:12.8 | +09:25:13 | 300 | 104 | 3.0 | #2 SN Observat | 2 | |
| 0047.sn2012cu | 1800 | 03:57 | 12:53:29.3 | +02:09:39 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0048.COMP | 10 | 04:27 | 12:53:29.3 | +02:09:39 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0049.sn2012da | 1800 | 05:02 | 13:02:33.7 | +27:26:11 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0050.COMP | 10 | 05:33 | 13:02:33.7 | +27:26:11 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0051.17484228-0310584 | 1800 | 06:21 | 17:48:42.3 | -03:10:58 | 300 | 70 | 3.0 | #141 2Mass Red | 2 | |
| 0052.17484228-0310584 | 1800 | 06:51 | 17:48:42.3 | -03:10:58 | 300 | 70 | 3.0 | #141 2Mass Red | 2 | |
| 0053.COMP | 10 | 07:21 | 17:48:42.3 | -03:10:58 | 300 | 70 | 3.0 | #141 2Mass Red | 2 | |
| 0054.sn2012dn | 1200 | 07:24 | 20:23:36.3 | -28:16:43 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0055.COMP | 10 | 07:45 | 20:23:36.3 | -28:16:43 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0056.TCrB | 15 | 07:48 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0057.TCrB | 60 | 07:49 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |

UT Date 2012-07-18 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0058.COMP | 10 | 07:50 | 15:59:30.0 | +25:55:12 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0059.AGDra | 2 | 07:54 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0060.AGDra | 60 | 07:55 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0061.COMP | 10 | 07:57 | 16:01:41.0 | +66:48:10 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0062.YYHer | 60 | 08:02 | 18:14:34.0 | +20:59:19 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0063.YYHer | 300 | 08:03 | 18:14:34.0 | +20:59:19 | 300 | 89 | 3.0 | #12 Symbiotic | 2 | |
| 0064.COMP | 10 | 08:09 | 18:14:34.0 | +20:59:19 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0065.AS296 | 30 | 08:10 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0066.AS296 | 120 | 08:11 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0067.COMP | 10 | 08:14 | 18:15:07.0 | -00:18:52 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0068.19560725+0139030 | 1800 | 08:26 | 19:56:07.3 | +01:39:03 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | in & out of clouds |
| 0069.COMP | 10 | 08:56 | 19:56:07.3 | +01:39:03 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0070.19582858+0215463 | 420 | 08:58 | 19:58:28.6 | +02:15:46 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | row=87 |
| 0071.COMP | 10 | 09:05 | 19:58:28.6 | +02:15:46 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0072.19560973+7137544 | 480 | 09:08 | 19:56:09.7 | +71:37:54 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0073.COMP | 10 | 09:17 | 19:56:09.7 | +71:37:54 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0074.19581342+7758344 | 600 | 09:18 | 19:58:13.4 | +77:58:34 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0075.COMP | 10 | 09:29 | 19:58:13.4 | +77:58:34 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0076.20142578+0324034 | 300 | 09:31 | 20:14:25.8 | +03:24:03 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0077.COMP | 10 | 09:37 | 20:14:25.8 | +03:24:03 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |

UT Date 2012-07-18 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0078.20164015+0212569 | 240 | 09:39 | 20:16:40.1 | +02:12:57 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0079.COMP | 10 | 09:43 | 20:16:40.1 | +02:12:57 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0080.20180163+7035042 | 480 | 09:46 | 20:18:01.6 | +70:35:04 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0081.COMP | 10 | 09:54 | 20:18:01.6 | +70:35:04 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0082.20200788+0408065 | 600 | 09:57 | 20:20:07.9 | +04:08:07 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0083.COMP | 10 | 10:08 | 20:20:07.9 | +04:08:07 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0084.20212649+0716194 | 300 | 10:09 | 20:21:26.5 | +07:16:19 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0085.COMP | 10 | 10:15 | 20:21:26.5 | +07:16:19 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0086.20224280+0258137 | 420 | 10:16 | 20:22:42.8 | +02:58:14 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0087.COMP | 10 | 10:24 | 20:22:42.8 | +02:58:14 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0088.20230163+0252228 | 240 | 10:25 | 20:23:01.6 | +02:52:23 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0089.COMP | 10 | 10:30 | 20:23:01.6 | +02:52:23 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0090.20242566-0703537 | 240 | 10:31 | 20:24:25.7 | -07:03:54 | 300 | 90 | 3.0 | #141 2Mass Red | 2 | |
| 0091.COMP | 10 | 10:36 | 20:24:25.7 | -07:03:54 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0092.J2550.08+400340.3 | 300 | 10:38 | 20:25:50.0 | +40:03:40 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0093.COMP | 10 | 10:44 | 20:25:50.0 | +40:03:40 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0094.J2222.16+411311.2 | 180 | 10:45 | 20:22:22.0 | +41:13:11 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0095.COMP | 10 | 10:48 | 20:22:22.0 | +41:13:11 | 300 | 89 | 3.0 | #183 CygX_YSOs | 2 | |
| 0096.K4644922 | 300 | 10:50 | 19:15:12.1 | +39:42:50 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0097.COMP | 10 | 10:55 | 19:15:12.1 | +39:42:50 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |

UT Date 2012-07-18 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0098.RAqr | 1 | 10:58 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0099.RAqr | 5 | 10:59 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0100.RAqr | 10 | 10:59 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0101.COMP | 10 | 11:00 | 23:43:49.0 | -15:17:05 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0102.EGAnd | 1 | 11:02 | 00:44:37.0 | +40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0103.EGAnd | 5 | 11:02 | 00:44:37.0 | +40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0104.EGAnd | 10 | 11:03 | 00:44:37.0 | +40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0105.COMP | 10 | 11:03 | 00:44:37.0 | +40:40:47 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0106.AXPer | 4 | 11:05 | 01:36:23.0 | +54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0107.AXPer | 30 | 11:05 | 01:36:23.0 | +54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0108.AXPer | 90 | 11:06 | 01:36:23.0 | +54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0109.COMP | 10 | 11:09 | 01:36:23.0 | +54:15:03 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0110.BDp284211 | 120 | 11:10 | 21:51:11.0 | +28:51:50 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0111.COMP | 10 | 11:13 | 21:51:11.0 | +28:51:50 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0112.BDp174708 | 25 | 11:14 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0113.COMP | 10 | 11:15 | 22:11:31.4 | +18:05:34 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0114.M31 | 60 | 11:17 | 00:42:44.3 | +41:16:09 | 300 | 88 | 3.0 | #57 Velocity S | 2 | |
| 0115.COMP | 10 | 11:19 | 00:42:44.3 | +41:16:09 | 300 | 88 | 3.0 | #57 Velocity S | 2 | |
| 0116.02482508+4758003 | 360 | 11:22 | 02:48:25.1 | +47:58:00 | 300 | 88 | 3.0 | #141 2Mass Red | 2 | |
| 0117.COMP | 10 | 11:28 | 02:48:25.1 | +47:58:00 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |

UT Date 2012-07-18 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

| <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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0118-0127.BIAS | 0 | 11:38 | 02:48:25.1 | +47:58:00 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0128-0147.FLAT | 10 | 11:46 | 02:48:25.1 | +47:58:00 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |
| 0148-0157.DARK | 900 | 14:06 | 02:48:25.1 | +47:58:00 | 300 | 89 | 3.0 | #141 2Mass Red | 2 | |