

UT Date 2016-03-11 Observers E FalcoColl. Focus 1317 Grating/Grism 300

| File                  | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0003.DARK        | 1800     | 00:49    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 2   |          |
| 0004.BIAS             | 0        | 01:31    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 2   |          |
| 0005.COMP             | 5        | 01:34    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 2   |          |
| 0006-0015.BIAS        | 0        | 01:37    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 2   |          |
| 0016-0030.FLAT        | 7        | 01:43    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 2   |          |
| 0031-0040.BIAS        | 0        | 01:48    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 4   |          |
| 0041-0055.FLAT        | 12       | 01:54    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | 0 Calibration  | 4   |          |
| 0056.SKY              | 5        | 01:59    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | #12 Symbiotic  | 2   |          |
| 0057.SKY              | 10       | 02:00    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | #12 Symbiotic  | 2   |          |
| 0058.SKY              | 30       | 02:01    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | #12 Symbiotic  | 2   |          |
| 0059.SKY              | 45       | 02:03    | 17:50:13.0 | -06:42:30 | 300 | 87   | 3.0  | #12 Symbiotic  | 2   |          |
| 0060.COMP             | 5        | 02:16    | 05:31:51.4 | +15:17:48 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0061.05315137+1517480 | 1800     | 02:17    | 05:31:51.4 | +15:17:48 | 300 | 88   | 3.0  | #141 2MASS Red | 2   |          |
| 0062.COMP             | 5        | 02:54    | 05:39:36.3 | +12:59:05 | 300 | 89   | 3.0  | 0 Calibration  | 2   |          |
| 0063.05393634+1259047 | 1800     | 02:56    | 05:39:36.3 | +12:59:05 | 300 | 89   | 3.0  | #141 2MASS Red | 2   |          |
| 0064.COMP             | 5        | 03:38    | 05:40:55.8 | +12:26:29 | 300 | 89   | 3.0  | 0 Calibration  | 2   |          |
| 0065.05405576+1226293 | 1800     | 03:40    | 05:40:55.8 | +12:26:29 | 300 | 89   | 3.0  | #141 2MASS Red | 2   |          |
| 0066.COMP             | 5        | 04:14    | 06:45:13.4 | +02:08:15 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0067.Hiltner600       | 90       | 04:15    | 06:45:13.4 | +02:08:15 | 300 | 88   | 3.0  | #56 Spectropho | 2   |          |
| 0068.COMP             | 5        | 04:26    | 10:39:36.7 | +43:06:09 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |

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|--------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0069.Feige34 | 180      | 04:27    | 10:39:36.7 | +43:06:09 | 300 | 88   | 3.0  | #56 Spectropho | 2   |          |
| 0070.COMP    | 5        | 04:34    | 06:03:31.0 | +27:41:50 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0071.BGGem   | 300      | 04:36    | 06:03:31.0 | +27:41:50 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0072.COMP    | 5        | 04:44    | 07:25:23.0 | -03:35:51 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0073.BXMon   | 15       | 04:46    | 07:25:23.0 | -03:35:51 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0074.BXMon   | 180      | 04:47    | 07:25:23.0 | -03:35:51 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0075.COMP    | 5        | 04:54    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0076.SS129   | 300      | 04:55    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0077.SS129   | 300      | 05:00    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0083.fastfoc | 10       | 05:22    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0084.fastfoc | 10       | 05:23    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0085.fastfoc | 10       | 05:23    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0086.fastfoc | 10       | 05:24    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0087.fastfoc | 10       | 05:24    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0088.fastfoc | 10       | 05:25    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0089.fastfoc | 10       | 05:25    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0090.fastfoc | 10       | 05:26    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0091.fastfoc | 10       | 05:26    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0092.fastfoc | 10       | 05:26    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0093.fastfoc | 10       | 05:27    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |

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| File                | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0094.fastfoc        | 10       | 05:27    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0095.fastfoc        | 10       | 05:28    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0096.fastfoc        | 10       | 05:28    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0097.fastfoc        | 10       | 05:29    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | #12 Symbiotic  | 2   |          |
| 0098-0102.FLAT      | 12       | 05:46    | 07:32:45.0 | -26:49:16 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0103.COMP           | 10       | 05:52    | 09:48:56.1 | +13:44:39 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0104.HD84937        | 60       | 05:53    | 09:48:56.1 | +13:44:39 | 300 | 88   | 3.0  | #56 Spectropho | 2   |          |
| 0105.COMP           | 10       | 05:57    | 09:45:05.0 | +38:33:28 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0106.LSPMJ0945+3833 | 900      | 05:59    | 09:45:05.0 | +38:33:28 | 300 | 88   | 3.0  | #222 M dwarfs  | 2   |          |
| 0107.COMP           | 10       | 06:15    | 09:45:05.0 | +38:33:28 | 300 | 88   | 3.0  | 0 Calibration  | 2   |          |
| 0108.LSPMJ0945+3833 | 1200     | 06:16    | 09:45:05.0 | +38:33:28 | 300 | 83   | 3.0  | #222 M dwarfs  | 2   |          |
| 0109.COMP           | 10       | 06:45    | 09:53:32.1 | +51:15:08 | 300 | 83   | 3.0  | 0 Calibration  | 2   |          |
| 0110.LSPMJ0953+5115 | 900      | 06:46    | 09:53:32.1 | +51:15:08 | 300 | 83   | 3.0  | #222 M dwarfs  | 2   |          |
| 0111.COMP           | 10       | 07:14    | 11:23:20.6 | +44:48:39 | 300 | 83   | 3.0  | 0 Calibration  | 2   |          |
| 0112.LSPMJ1123+4448 | 1800     | 07:17    | 11:23:20.6 | +44:48:39 | 300 | 83   | 3.0  | #222 M dwarfs  | 2   |          |
| 0113.COMP           | 10       | 07:49    | 11:57:09.9 | +37:17:39 | 300 | 83   | 3.0  | 0 Calibration  | 2   |          |
| 0114.LSPMJ1157+3717 | 900      | 07:50    | 11:57:09.9 | +37:17:39 | 300 | 83   | 3.0  | #222 M dwarfs  | 2   |          |
| 0115.COMP           | 10       | 08:12    | 12:10:28.4 | -13:10:24 | 300 | 86   | 3.0  | 0 Calibration  | 2   |          |
| 0116.PM_I12104-1310 | 600      | 08:14    | 12:10:28.4 | -13:10:24 | 300 | 86   | 3.0  | #222 M dwarfs  | 2   |          |
| 0117-0121.FLAT      | 12       | 08:34    | 12:10:28.4 | -13:10:24 | 300 | 87   | 3.0  | 0 Calibration  | 4   |          |

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|---------------|----------|----------|------------|-----------|-----|------|------|---------------|-----|----------|
| 0122.COMP     | 10       | 08:54    | 13:34:05.5 | +66:49:57 | 300 | 87   | 3.0  | 0 Calibration | 4   |          |
| 0123.j1334p66 | 600      | 08:56    | 13:34:05.5 | +66:49:57 | 300 | 87   | 3.0  | #178 Low Mass | 4   |          |
| 0124.j1334p66 | 600      | 09:07    | 13:34:05.5 | +66:49:57 | 600 | 87   | 3.0  | #178 Low Mass | 4   |          |
| 0125.j1334p66 | 600      | 09:18    | 13:34:05.5 | +66:49:57 | 600 | 87   | 3.0  | #178 Low Mass | 4   |          |
| 0126.j1334p66 | 600      | 09:28    | 13:34:05.5 | +66:49:57 | 600 | 87   | 1.5  | #178 Low Mass | 4   | garbage  |
| 0127.j1334p66 | 600      | 09:38    | 13:34:05.5 | +66:49:57 | 600 | 87   | 1.5  | #178 Low Mass | 4   | garbage  |
| 0128.COMP     | 10       | 09:57    | 13:34:05.5 | +66:49:57 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0129.j1334p66 | 600      | 09:58    | 13:34:05.5 | +66:49:57 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |
| 0130.COMP     | 10       | 10:09    | 13:34:05.5 | +66:49:57 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0131.j1334p66 | 600      | 10:10    | 13:34:05.5 | +66:49:57 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |
| 0132.COMP     | 10       | 10:35    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0133.pg1352   | 780      | 10:36    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |
| 0134.COMP     | 10       | 10:51    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0135.pg1352   | 780      | 10:52    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |
| 0136.COMP     | 10       | 11:06    | 13:55:04.8 | +11:42:12 | 600 | 87   | 1.5  | 0 Calibration | 4   |          |
| 0137.pg1352   | 780      | 11:07    | 13:55:04.8 | +11:42:12 | 600 | 87   | 1.5  | #178 Low Mass | 4   |          |
| 0138.COMP     | 10       | 11:21    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0139.pg1352   | 780      | 11:22    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |
| 0140.COMP     | 10       | 11:40    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | 0 Calibration | 4   |          |
| 0141.pg1352   | 780      | 11:42    | 13:55:04.8 | +11:42:12 | 600 | 88   | 1.5  | #178 Low Mass | 4   |          |

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|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0142.COMP      | 10              | 11:59           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | 0 Calibration  | 4          |                 |
| 0143.pg1544    | 480             | 12:00           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | #178 Low Mass  | 4          |                 |
| 0144.COMP      | 10              | 12:08           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | 0 Calibration  | 4          |                 |
| 0145.pg1544    | 480             | 12:09           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | #178 Low Mass  | 4          |                 |
| 0146.COMP      | 10              | 12:18           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | 0 Calibration  | 4          |                 |
| 0147.pg1544    | 480             | 12:19           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | #178 Low Mass  | 4          |                 |
| 0148.COMP      | 10              | 12:28           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | 0 Calibration  | 4          |                 |
| 0149.pg1544    | 480             | 12:29           | 15:46:38.3 | +10:30:12  | 600        | 88          | 1.5         | #178 Low Mass  | 4          |                 |
| 0150-0154.DARK | 900             | 13:54           | 15:46:38.3 | +10:30:12  | 300        | 88          | 3.0         | 0 Calibration  | 4          | 4"              |
| 0155-0159.DARK | 900             | 15:11           | 15:46:38.3 | +10:30:12  | 300        | 88          | 3.0         | 0 Calibration  | 2          | 2"              |