

UT Date 2015-07-12 Observers P ChallisColl. Focus 1380 Grating/Grism 600

| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program       | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|---------------|-----|----------|
| 0001.BIAS      | 0        | 01:40    | 13:28:59.5 | +31:35:07 | 300 | 90   | 3.0  | 0 Calibration | 4   |          |
| 0002-0011.BIAS | 0        | 03:13    | 13:28:59.5 | +31:35:07 | 600 | 90   | 1.5  | 0 Calibration | 4   |          |
| 0012-0026.FLAT | 12       | 03:19    | 13:28:59.5 | +31:35:07 | 600 | 90   | 1.5  | 0 Calibration | 4   |          |
| 0027.BIAS      | 0        | 04:04    | 14:42:52.7 | +64:29:28 | 600 | 90   | 1.5  | 0 Calibration | 4   |          |
| 0028.galex10   | 300      | 04:08    | 14:42:52.7 | +64:29:28 | 600 | 90   | 1.5  | #178 Low Mass | 4   |          |
| 0029.galex10   | 300      | 04:28    | 14:42:27.9 | +64:30:59 | 600 | 89   | 1.5  | #178 Low Mass | 4   |          |
| 0030.COMP      | 10       | 04:33    | 14:42:27.9 | +64:30:59 | 600 | 89   | 1.5  | 0 Calibration | 4   |          |
| 0031.galex10   | 300      | 04:34    | 14:42:27.9 | +64:30:59 | 600 | 89   | 1.5  | #178 Low Mass | 4   |          |
| 0032.COMP      | 10       | 04:39    | 14:42:27.9 | +64:30:59 | 600 | 89   | 1.5  | 0 Calibration | 4   |          |
| 0033.galex10   | 300      | 04:40    | 14:42:27.9 | +64:30:59 | 600 | 86   | 1.5  | #178 Low Mass | 4   |          |
| 0034.COMP      | 10       | 04:46    | 14:42:27.9 | +64:30:59 | 600 | 86   | 1.5  | 0 Calibration | 4   |          |
| 0035.galex10   | 300      | 04:46    | 14:42:27.9 | +64:30:59 | 600 | 86   | 1.5  | #178 Low Mass | 4   |          |
| 0036.COMP      | 10       | 04:52    | 14:42:27.9 | +64:30:59 | 600 | 86   | 1.5  | 0 Calibration | 4   |          |
| 0037.j1445p14  | 840      | 04:58    | 14:45:10.3 | +14:13:45 | 600 | 86   | 1.5  | #178 Low Mass | 4   |          |
| 0038.COMP      | 10       | 05:13    | 14:45:10.3 | +14:13:45 | 600 | 89   | 1.5  | 0 Calibration | 4   |          |
| 0039.j1445p14  | 840      | 05:14    | 14:45:10.3 | +14:13:45 | 600 | 89   | 1.5  | #178 Low Mass | 4   |          |
| 0040.COMP      | 10       | 05:28    | 14:45:10.3 | +14:13:45 | 600 | 89   | 1.5  | 0 Calibration | 4   |          |
| 0041.j1445p14  | 840      | 05:29    | 14:45:10.3 | +14:13:45 | 600 | 89   | 1.5  | #178 Low Mass | 4   |          |
| 0042.COMP      | 10       | 05:44    | 14:45:10.3 | +14:13:45 | 600 | 89   | 1.5  | 0 Calibration | 4   |          |
| 0043.galex12   | 300      | 05:49    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | #178 Low Mass | 4   |          |

UT Date 2015-07-12 Observers P ChallisColl. Focus 1380 Grating/Grism 600

| File                 | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0044.COMP            | 10       | 05:55    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | 0 Calibration  | 4   |          |
| 0045.galex12         | 300      | 05:56    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | #178 Low Mass  | 4   |          |
| 0046.COMP            | 10       | 06:02    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | 0 Calibration  | 4   |          |
| 0047.galex12         | 300      | 06:02    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | #178 Low Mass  | 4   |          |
| 0048.COMP            | 10       | 06:08    | 15:09:57.6 | +62:13:34 | 600 | 89   | 1.5  | 0 Calibration  | 4   |          |
| 0049.hotwd150        | 780      | 06:12    | 16:48:58.8 | +24:58:02 | 600 | 89   | 1.5  | #178 Low Mass  | 4   |          |
| 0050.COMP            | 10       | 06:25    | 16:48:58.8 | +24:58:02 | 600 | 89   | 1.5  | 0 Calibration  | 4   |          |
| 0051.hotwd150        | 780      | 06:27    | 16:48:58.8 | +24:58:02 | 600 | 89   | 1.5  | #178 Low Mass  | 4   |          |
| 0052.COMP            | 10       | 06:40    | 16:48:58.8 | +24:58:02 | 600 | 88   | 1.5  | 0 Calibration  | 4   |          |
| 0053.hotwd150        | 780      | 06:41    | 16:48:58.8 | +24:58:02 | 600 | 88   | 1.5  | #178 Low Mass  | 4   |          |
| 0054.COMP            | 10       | 06:54    | 16:48:58.8 | +24:58:02 | 600 | 88   | 1.5  | 0 Calibration  | 4   |          |
| 0055.hotwd150        | 780      | 06:56    | 16:48:58.8 | +24:58:02 | 600 | 90   | 1.5  | #178 Low Mass  | 4   |          |
| 0056.COMP            | 10       | 07:09    | 16:48:58.8 | +24:58:02 | 600 | 90   | 1.5  | 0 Calibration  | 4   |          |
| 0057.bd284411        | 30       | 07:13    | 21:51:11.1 | +28:51:52 | 600 | 90   | 1.5  | #2 SN Observat | 4   |          |
| 0058.COMP            | 10       | 07:14    | 21:51:11.1 | +28:51:52 | 600 | 90   | 1.5  | 0 Calibration  | 4   |          |
| 0059.hs2220abnorthwd | 609      | 07:17    | 22:23:01.7 | +22:01:25 | 600 | 90   | 1.5  | #178 Low Mass  | 4   |          |
| 0060.COMP            | 10       | 07:27    | 22:23:01.7 | +22:01:25 | 600 | 85   | 1.5  | 0 Calibration  | 4   |          |
| 0061.hs2220ab        | 900      | 07:49    | 22:23:01.7 | +22:01:25 | 600 | -12  | 1.5  | #178 Low Mass  | 4   |          |
| 0062.COMP            | 10       | 08:04    | 22:23:01.7 | +22:01:25 | 600 | -12  | 1.5  | 0 Calibration  | 4   |          |
| 0063.hs2220ab        | 900      | 08:05    | 22:23:01.7 | +22:01:25 | 600 | -11  | 1.5  | #178 Low Mass  | 4   |          |

UT Date 2015-07-12 Observers P ChallisColl. Focus 1380 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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0064.COMP      | 10              | 08:21           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 4          |                 |
| 0065.hs2220ab  | 900             | 08:22           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | #178 Low Mass  | 4          |                 |
| 0066.COMP      | 10              | 08:38           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 4          |                 |
| 0067-0069.BIAS | 0               | 08:41           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 2          |                 |
| 0070.hs2220ab  | 900             | 08:41           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | #178 Low Mass  | 2          |                 |
| 0071.COMP      | 10              | 08:56           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 2          |                 |
| 0072.hs2220ab  | 900             | 08:58           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | #178 Low Mass  | 2          |                 |
| 0073.COMP      | 10              | 09:13           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 2          |                 |
| 0074.hs2220ab  | 900             | 09:15           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | #178 Low Mass  | 2          |                 |
| 0075.COMP      | 10              | 09:31           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 2          |                 |
| 0076.hs2220ab  | 900             | 09:32           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | #178 Low Mass  | 2          |                 |
| 0077.COMP      | 10              | 09:47           | 22:23:01.7 | +22:01:25  | 600        | -12         | 1.5         | 0 Calibration  | 2          |                 |
| 0078-0087.BIAS | 0               | 09:57           | 21:51:11.1 | +28:51:52  | 600        | 89          | 1.5         | 0 Calibration  | 2          |                 |
| 0088-0102.FLAT | 7               | 10:02           | 21:51:11.1 | +28:51:52  | 600        | 89          | 1.5         | 0 Calibration  | 2          |                 |