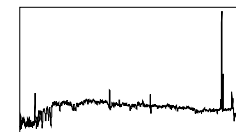
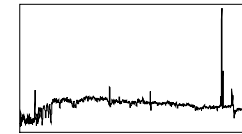
UT Date 2014-01-29 Observers M CalkinsColl. Focus 1350 Grating/Grism 300

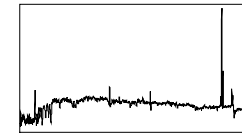
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------------------------------|
| 0001-0010.DARK | 900 | 01:23 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 4 | |
| 0011-0020.BIAS | 0 | 01:40 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 4 | |
| 0021-0040.FLAT | 7 | 01:49 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0041-0050.BIAS | 0 | 01:51 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0051.M31 | 60 | 01:55 | 00:42:44.3 | +41:16:09 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0052.COMP | 10 | 01:57 | 00:42:44.3 | +41:16:09 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0053.HD19445 | 10 | 02:01 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0054.HD19445 | 10 | 02:01 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0055.HD19445 | 10 | 02:01 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0056.COMP | 10 | 02:03 | 03:08:25.6 | +26:19:51 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0057.Kenfill021 | 1800 | 02:05 | 03:38:15.4 | +09:54:10 | 300 | 89 | 3.0 | #210 Brightest | 2 | thin clouds, decent seeing though |
| 0058.COMP | 10 | 02:36 | 03:38:15.4 | +09:54:10 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0059.sn2014H | 1800 | 02:42 | 03:37:01.5 | +32:05:02 | 300 | 89 | 3.0 | #2 SN Observat | 2 | |
| 0060.COMP | 10 | 03:12 | 03:37:01.5 | +32:05:02 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0061.snJ0305 | 2400 | 03:15 | 03:05:59.9 | +04:32:38 | 300 | 88 | 3.0 | #2 SN Observat | 2 | |
| 0062.COMP | 10 | 03:55 | 03:05:59.9 | +04:32:38 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0063.Jager | 420 | 03:59 | 06:13:14.3 | +31:58:33 | 300 | 88 | 3.0 | #173 Small Sol | 2 | |
| 0064.COMP | 10 | 04:06 | 06:13:14.3 | +31:58:33 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0065.Polana | 300 | 04:09 | 06:37:18.0 | +23:14:22 | 300 | 61 | 3.0 | #173 Small Sol | 2 | |
| 0066.COMP | 10 | 04:15 | 06:37:18.0 | +23:14:22 | 300 | 61 | 3.0 | 0 Calibration | 2 | |

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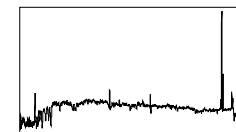
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------------|
| 0067.HD25680 | 15 | 04:17 | 04:05:20.3 | +22:00:32 | 300 | 90 | 3.0 | #173 Small Sol | 2 | WHoa! Saturated! Get again... |
| 0068.COMP | 10 | 04:18 | 04:05:20.3 | +22:00:32 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0069.HD25680 | 2 | 04:18 | 04:05:20.3 | +22:00:32 | 300 | 90 | 3.0 | #173 Small Sol | 2 | |
| 0070.COMP | 10 | 04:19 | 04:05:20.3 | +22:00:32 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0071.G191B2B | 300 | 04:22 | 05:05:30.6 | +52:49:52 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0072.COMP | 10 | 04:27 | 05:05:30.6 | +52:49:52 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0073.T13229891 | 30 | 04:29 | 06:12:59.5 | +19:45:07 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | need more cnts |
| 0074.COMP | 10 | 04:30 | 06:12:59.5 | +19:45:07 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0075.T13229891 | 80 | 04:31 | 06:12:59.5 | +19:45:07 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0076.COMP | 10 | 04:33 | 06:12:59.5 | +19:45:07 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0077.T13461231 | 150 | 04:35 | 07:15:02.2 | +16:52:12 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0078.COMP | 10 | 04:38 | 07:15:02.2 | +16:52:12 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0079.T191311701 | 60 | 04:39 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0080.COMP | 10 | 04:40 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0081.T191311701 | 15 | 04:41 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0082.COMP | 10 | 04:42 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0083.T191311701 | 5 | 04:43 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0084.COMP | 10 | 04:44 | 07:20:59.0 | +24:59:58 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0085.T13668881 | 210 | 04:45 | 07:44:56.9 | +17:43:18 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0086.COMP | 10 | 04:49 | 07:44:56.9 | +17:43:18 | 300 | 89 | 3.0 | 0 Calibration | 2 | |

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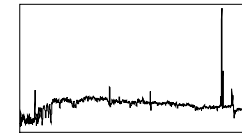
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0087.T13668881 | 120 | 04:50 | 07:44:56.9 | +17:43:18 | 300 | 89 | 3.0 | #192 DASCH Lon | 2 | |
| 0088.COMP | 10 | 04:53 | 07:44:56.9 | +17:43:18 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0089.lamost152 | 240 | 04:59 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0090.COMP | 10 | 05:04 | 06:39:37.5 | +02:28:46 | 600 | 87 | 1.5 | 0 Calibration | 4 | |
| 0091.lamost152 | 240 | 05:05 | 06:39:37.5 | +02:28:46 | 600 | 88 | 1.5 | #178 Low Mass | 4 | |
| 0092.COMP | 10 | 05:09 | 06:39:37.5 | +02:28:46 | 600 | 86 | 1.5 | 0 Calibration | 4 | |
| 0093.lamost152 | 240 | 05:10 | 06:39:37.5 | +02:28:46 | 600 | 86 | 1.5 | #178 Low Mass | 4 | |
| 0094.COMP | 10 | 05:14 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0095.lamost152 | 240 | 05:15 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0096.COMP | 10 | 05:20 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0097.lamost152 | 240 | 05:22 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0098.COMP | 10 | 05:26 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0099.lamost152 | 240 | 05:27 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0100.COMP | 10 | 05:32 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0101.lamost152 | 240 | 05:33 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0102.COMP | 10 | 05:37 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0103.lamost152 | 240 | 05:38 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0104.COMP | 10 | 05:43 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0105.lamost152 | 240 | 05:44 | 06:39:37.5 | +02:28:46 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0106.COMP | 10 | 05:49 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |

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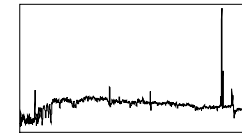
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|---------------|-----|----------|
| 0107.lamost152 | 240 | 05:49 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0108.COMP | 10 | 05:54 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0109.lamost152 | 240 | 05:54 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0110.COMP | 10 | 05:59 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0111.lamost152 | 240 | 06:00 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0112.COMP | 10 | 06:04 | 06:39:37.5 | +02:28:46 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0113.lmwd037 | 960 | 06:07 | 07:56:10.7 | +67:04:25 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0114.COMP | 10 | 06:23 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | 0 Calibration | 4 | |
| 0115.lmwd037 | 960 | 06:24 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | #178 Low Mass | 4 | |
| 0116.COMP | 10 | 06:40 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | 0 Calibration | 4 | |
| 0117.lmwd037 | 960 | 06:41 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | #178 Low Mass | 4 | |
| 0118.COMP | 10 | 06:58 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | 0 Calibration | 4 | |
| 0119.lmwd037 | 960 | 06:59 | 07:56:10.7 | +67:04:25 | 600 | 83 | 1.5 | #178 Low Mass | 4 | |
| 0120.COMP | 10 | 07:15 | 07:56:10.7 | +67:04:25 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0121.bcand404 | 1200 | 07:17 | 08:46:55.8 | +61:43:29 | 600 | 88 | 1.5 | #178 Low Mass | 4 | |
| 0122.COMP | 10 | 07:38 | 08:46:55.8 | +61:43:29 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0123.bcand404 | 1200 | 07:38 | 08:46:55.8 | +61:43:29 | 600 | 88 | 1.5 | #178 Low Mass | 4 | |
| 0124.COMP | 10 | 07:59 | 08:46:55.8 | +61:43:29 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0125.bcand404 | 1200 | 08:00 | 08:46:55.8 | +61:43:29 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0126.COMP | 10 | 08:20 | 08:46:55.8 | +61:43:29 | 600 | 85 | 1.5 | 0 Calibration | 4 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0127.bcand510 | 1260 | 08:24 | 10:24:48.9 | +08:56:20 | 600 | 85 | 1.5 | #178 Low Mass | 4 | row=32 |
| 0128.COMP | 10 | 08:46 | 10:24:48.9 | +08:56:20 | 600 | 90 | 1.5 | 0 Calibration | 4 | |
| 0129.bcand510 | 1260 | 08:47 | 10:24:48.9 | +08:56:20 | 600 | 90 | 1.5 | #178 Low Mass | 4 | |
| 0130.COMP | 10 | 09:09 | 10:24:48.9 | +08:56:20 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0131.bcand510 | 1260 | 09:10 | 10:24:48.9 | +08:56:20 | 600 | 87 | 1.5 | #178 Low Mass | 4 | |
| 0132.COMP | 10 | 09:31 | 10:24:48.9 | +08:56:20 | 600 | 89 | 1.5 | 0 Calibration | 4 | |
| 0133.Feige34 | 210 | 09:33 | 10:39:36.7 | +43:06:09 | 600 | 89 | 1.5 | #178 Low Mass | 4 | |
| 0134.COMP | 10 | 09:37 | 10:39:36.7 | +43:06:09 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0135-0144.FLAT | 12 | 09:42 | 10:39:36.7 | +43:06:09 | 600 | 88 | 1.5 | 0 Calibration | 4 | |
| 0145.Feige34 | 150 | 09:49 | 10:39:36.7 | +43:06:09 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0146.COMP | 10 | 09:52 | 10:39:36.7 | +43:06:09 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0147.HD84937 | 25 | 09:54 | 09:48:56.1 | +13:44:39 | 300 | 88 | 3.0 | #56 Spectropho | 2 | |
| 0148.COMP | 10 | 09:55 | 09:48:56.1 | +13:44:39 | 300 | 88 | 3.0 | 0 Calibration | 2 | |
| 0149.SA102m370 | 180 | 09:57 | 10:56:33.8 | -01:10:41 | 300 | 88 | 3.0 | #173 Small Sol | 2 | |
| 0150.COMP | 10 | 10:00 | 10:56:33.8 | -01:10:41 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0151.YP180 | 420 | 10:03 | 10:13:34.2 | -04:58:04 | 300 | 90 | 3.0 | #173 Small Sol | 2 | |
| 0152.COMP | 10 | 10:10 | 10:13:34.2 | -04:58:04 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0153.AY28 | 1500 | 10:13 | 10:39:23.6 | +25:16:26 | 300 | 90 | 3.0 | #173 Small Sol | 2 | |
| 0154.COMP | 10 | 10:39 | 10:39:23.6 | +25:16:26 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0155.HD86728 | 5 | 10:40 | 10:01:00.7 | +31:55:25 | 300 | 90 | 3.0 | #173 Small Sol | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0156.COMP | 10 | 10:41 | 10:01:00.7 | +31:55:25 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0157.T48653671 | 360 | 10:45 | 08:58:00.3 | -00:19:53 | 300 | 91 | 3.0 | #192 DASCH Lon | 2 | |
| 0158.COMP | 10 | 10:52 | 08:58:00.3 | -00:19:53 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0159.T222361 | 75 | 10:53 | 08:36:47.4 | +06:59:22 | 300 | 90 | 3.0 | #192 DASCH Lon | 2 | |
| 0160.COMP | 10 | 10:56 | 08:36:47.4 | +06:59:22 | 300 | 91 | 3.0 | 0 Calibration | 2 | |
| 0161.psnj1218 | 1500 | 10:59 | 12:18:48.7 | +14:24:44 | 300 | 91 | 3.0 | #2 SN Observat | 2 | |
| 0162.COMP | 10 | 11:24 | 12:18:48.7 | +14:24:44 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0163.A00296.2 | 1800 | 11:26 | 10:23:36.4 | +37:14:24 | 300 | 90 | 3.0 | #216 Local Com | 2 | |
| 0164.COMP | 10 | 11:57 | 10:23:36.4 | +37:14:24 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0165.SN-14ad | 1800 | 11:58 | 12:40:11.1 | +18:03:33 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0166.COMP | 10 | 12:29 | 12:40:11.1 | +18:03:33 | 300 | 90 | 3.0 | 0 Calibration | 2 | |
| 0167.A00988.1 | 1800 | 12:32 | 13:51:19.2 | +30:00:03 | 300 | 90 | 3.0 | #216 Local Com | 2 | |
| 0168.COMP | 10 | 13:02 | 13:51:19.2 | +30:00:03 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0169.BDp332642 | 120 | 13:04 | 15:51:59.9 | +32:56:54 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0170.COMP | 10 | 13:06 | 15:51:59.9 | +32:56:54 | 300 | 85 | 3.0 | 0 Calibration | 2 | |
| 0171.BDp262606 | 90 | 13:08 | 14:49:02.4 | +25:42:09 | 300 | 85 | 3.0 | #56 Spectropho | 2 | |
| 0172.COMP | 10 | 13:10 | 14:49:02.4 | +25:42:09 | 300 | 85 | 3.0 | 0 Calibration | 2 | |
| 0173.N4853 | 360 | 13:11 | 12:58:35.2 | +27:35:47 | 300 | 85 | 3.0 | #57 Velocity S | 2 | |
| 0174.COMP | 10 | 13:18 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0175-0184.BIAS | 0 | 13:24 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 4 | |

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| <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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0185-0204.FLAT | 7 | 13:30 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0205-0214.BIAS | 0 | 13:33 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |
| 0215-0222.DARK | 900 | 15:21 | 12:58:35.2 | +27:35:47 | 300 | 89 | 3.0 | 0 Calibration | 2 | |