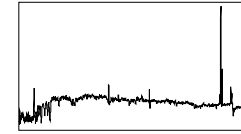
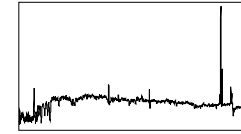
UT Date 2001-12-23 Observers M CalkinsColl. Focus 1000 Grating/Grism 300

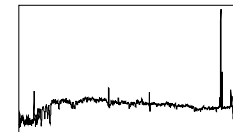
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------|
| 0001.DARK | 900 | 23:38 | 22:36:16.0 | 31:29:45 | 300 | 90 | 3.0 | none | 4 | |
| 0002-0003.DARK | 900 | 0:09 | 23:06:32.0 | 31:29:44 | 300 | 90 | 3.0 | none | 4 | |
| 0004-0005.DARK | 900 | 0:39 | 23:36:53.0 | 31:29:43 | 300 | 90 | 3.0 | none | 4 | |
| 0006-0015.BIAS | 0 | 0:59 | 23:42:00.0 | 31:29:43 | 300 | 90 | 3.0 | none | 4 | |
| 0016-0025.FLAT | 6 | 1:02 | 23:44:37.0 | 31:29:43 | 300 | 90 | 3.0 | none | 4 | |
| 0026-0035.BIAS | 0 | 1:10 | 23:53:16.0 | 31:29:42 | 300 | 90 | 3.0 | none | 2 | |
| 0036-0045.FLAT | 12 | 1:14 | 23:57:39.0 | 31:29:42 | 300 | 90 | 3.0 | none | 2 | |
| 0046.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 4 | poor seeing |
| 0047.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0048.COMP | 5 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 4 | |
| 0049.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0050.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 12 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | #56 Spectropho | 2 | |
| 0052.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 75 | 3.0 | #56 Spectropho | 2 | |
| 0053.BDp284211 | 40 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 75 | 3.0 | #56 Spectropho | 2 | |
| 0054.COMP | 12 | 1:14 | 21:48:57.1 | 28:37:48 | 300 | 75 | 3.0 | #56 Spectropho | 2 | |
| 0055.M31 | 60 | 1:14 | 00:40:00.0 | +40:59:42 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0056.COMP | 12 | 1:14 | 00:40:00.0 | +40:59:42 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0057.sn2001iq | 1200 | 1:14 | 22:25:10.4 | +42:43:04 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0058.COMP | 12 | 1:14 | 22:25:10.4 | +42:43:04 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |

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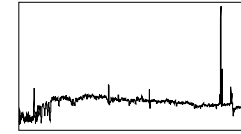
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0059.MRK335 | 120 | 1:14 | 00:06:19.6 | +20:12:11 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0060.MRK335 | 120 | 1:14 | 00:06:19.6 | +20:12:11 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0061.COMP | 12 | 1:14 | 00:06:19.6 | +20:12:11 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0062.Akn564 | 180 | 1:14 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0063.Akn564 | 180 | 1:14 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0064.COMP | 12 | 1:14 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0065.N7469 | 120 | 1:14 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0066.N7469 | 120 | 1:14 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0067.COMP | 12 | 1:14 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0068.2MJ0249454p531508 | 300 | 1:14 | 02:49:45.4 | +53:15:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | row=80 |
| 0069.COMP | 12 | 1:14 | 02:49:45.4 | +53:15:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0070.2MJ0011288p794336 | 360 | 1:14 | 00:11:28.8 | +79:43:36 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0071.COMP | 12 | 1:14 | 00:11:28.8 | +79:43:36 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0072.2MJ0014125p703643 | 1200 | 1:14 | 00:14:12.5 | +70:36:43 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0073.COMP | 12 | 1:14 | 00:14:12.5 | +70:36:43 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0074.2MJ0031468p681731 | 1200 | 1:14 | 00:31:46.8 | +68:17:31 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0075.COMP | 12 | 1:14 | 00:31:46.8 | +68:17:31 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0076.2MJ0045335p551329 | 720 | 1:14 | 00:45:33.5 | +55:13:29 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0077.COMP | 12 | 1:14 | 00:45:33.5 | +55:13:29 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0078.2MJ0156227p711322 | 660 | 1:14 | 01:56:22.7 | +71:13:22 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |

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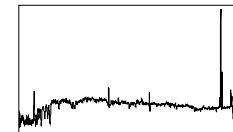
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------------------|
| 0079.COMP | 12 | 1:14 | 01:56:22.7 | +71:13:22 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0080.2MJ0203476p684353 | 1200 | 1:14 | 02:03:47.6 | +68:43:53 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0081.COMP | 12 | 1:14 | 02:03:47.6 | +68:43:53 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0082.2MJ0203589p673717 | 1200 | 1:14 | 02:03:58.9 | +67:37:17 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | row=78 |
| 0083.COMP | 12 | 1:14 | 02:03:58.9 | +67:37:17 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0084.2MJ0209215p753135 | 1200 | 1:14 | 02:09:21.5 | +75:31:35 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0085.COMP | 12 | 1:14 | 02:09:21.5 | +75:31:35 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0086.2MJ0212218p544108 | 420 | 1:14 | 02:12:21.8 | +54:41:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0087.COMP | 12 | 1:14 | 02:12:21.8 | +54:41:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0088.2MJ0214040p514444 | 240 | 1:14 | 02:14:04.0 | +51:44:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0089.COMP | 12 | 1:14 | 02:14:04.0 | +51:44:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0090.2MJ0214418p511408 | 600 | 1:14 | 02:14:41.8 | +51:14:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0091.COMP | 12 | 1:14 | 02:14:41.8 | +51:14:08 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0092.2MJ0215081p753344 | 720 | 1:14 | 02:15:08.1 | +75:33:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0093.COMP | 12 | 1:14 | 02:15:08.1 | +75:33:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0094.2MJ0217400p670144 | 1200 | 1:14 | 02:17:40.0 | +67:01:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | clouds passing thru, get again |
| 0095.COMP | 12 | 1:14 | 02:17:40.0 | +67:01:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0096.2MJ0217400p670144 | 1200 | 1:14 | 02:17:40.0 | +67:01:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0097.COMP | 12 | 1:14 | 02:17:40.0 | +67:01:44 | 300 | 90 | 3.0 | #68 2MASS Reds | 2 | |
| 0098.sn2001gc | 1200 | 1:14 | 05:55:26.1 | +51:54:34 | 300 | -4 | 3.0 | #2 SN Observat | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------|
| 0099.COMP | 12 | 1:14 | 05:55:26.1 | +51:54:34 | 300 | -4 | 3.0 | #2 SN Observat | 2 | |
| 0100.FLAT | 40 | 1:14 | 05:55:26.1 | +51:54:34 | 600 | 90 | 2.0 | #122 Halo Stre | 4 | 600L, 2arsec, tilt=430 |
| 0101-0109.FLAT | 40 | 8:01 | 05:55:26.1 | +51:54:34 | 600 | 90 | 2.0 | #122 Halo Stre | 4 | |
| 0110.Hiltner600 | 120 | 8:01 | 06:42:37.2 | 02:11:25 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0111.COMP | 10 | 8:01 | 06:42:37.2 | 02:11:25 | 600 | 90 | 2.0 | #56 Spectropho | 4 | |
| 0112.hs568 | 1200 | 8:01 | 9:03:00.4 | 28:50:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0113.COMP | 10 | 8:01 | 9:03:00.4 | 28:50:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0114.hs569 | 420 | 8:01 | 9:03:13.9 | 29:28:49 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0115.COMP | 10 | 8:01 | 9:03:13.9 | 29:28:49 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0116.hs573 | 1200 | 8:01 | 9:04:57.4 | 29:20:21 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0117.COMP | 10 | 8:01 | 9:04:57.4 | 29:20:21 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0118.hs574 | 660 | 8:01 | 9:05:19.8 | 27:57:03 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0119.COMP | 10 | 8:01 | 9:05:19.8 | 27:57:03 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0120.hs575 | 540 | 8:01 | 9:05:51.9 | 28:19:41 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0121.COMP | 10 | 8:01 | 9:05:51.9 | 28:19:41 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0122.hs576 | 1200 | 8:01 | 9:06:23.8 | 28:53:47 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0123.COMP | 10 | 8:01 | 9:06:23.8 | 28:53:47 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0124.hs577 | 780 | 8:01 | 9:06:38.5 | 29:24:08 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0125.COMP | 10 | 8:01 | 9:06:38.5 | 29:24:08 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0126.hs578 | 1200 | 8:01 | 9:07:32.6 | 29:38:38 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0127.COMP | 10 | 8:01 | 9:07:32.6 | 29:38:38 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0128.hs579 | 1200 | 8:01 | 9:07:53.1 | 29:28:36 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0129.COMP | 10 | 8:01 | 9:07:53.1 | 29:28:36 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0130.hs580 | 900 | 8:01 | 9:08:23.1 | 29:02:57 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0131.COMP | 10 | 8:01 | 9:08:23.1 | 29:02:57 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0132.hs581 | 540 | 8:01 | 9:08:43.2 | 29:00:12 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0133.COMP | 10 | 8:01 | 9:08:43.2 | 29:00:12 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0134.hs582 | 900 | 8:01 | 9:08:48.4 | 28:57:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0135.COMP | 10 | 8:01 | 9:08:48.4 | 28:57:10 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0136.hs583 | 1200 | 8:01 | 9:09:19.0 | 29:29:29 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0137.COMP | 10 | 8:01 | 9:09:19.0 | 29:29:29 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0138.hs584 | 1200 | 8:01 | 9:09:44.3 | 29:27:58 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0139.COMP | 10 | 8:01 | 9:09:44.3 | 29:27:58 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0140.hs585 | 720 | 8:01 | 9:10:07.5 | 28:51:03 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0141.COMP | 10 | 8:01 | 9:10:07.5 | 28:51:03 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0142.hs586 | 1200 | 8:01 | 9:10:11.9 | 29:10:30 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0143.COMP | 10 | 8:01 | 9:10:11.9 | 29:10:30 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0144.Feige34 | 120 | 8:01 | 10:36:41.2 | 43:21:50 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0145.COMP | 10 | 8:01 | 10:36:41.2 | 43:21:50 | 600 | 90 | 2.0 | #122 Halo Star | 4 | |
| 0146.sn2001ie | 1200 | 8:01 | 10:16:50.7 | +60:16:44 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |

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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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0147.COMP | 12 | 8:01 | 10:16:50.7 | +60:16:44 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0148.HZ44 | 120 | 8:01 | 13:21:19.0 | 36:23:39 | 300 | 80 | 3.0 | #56 Spectropho | 2 | |
| 0149.COMP | 12 | 8:01 | 13:21:19.0 | 36:23:39 | 300 | 80 | 3.0 | #56 Spectropho | 2 | |
| 0150-0154.sky | 2 | 13:56 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0155.COMP | 5 | 13:56 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0156-0165.BIAS | 0 | 13:58 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0166-0175.FLAT | 6 | 14:01 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0176-0185.BIAS | 0 | 14:04 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0186-0195.FLAT | 12 | 14:09 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0196-0205.DARK | 900 | 16:27 | 13:21:19.0 | 36:23:39 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |