

UT Date 2001-03-17 Observers P BerlindColl. Focus 1000 Grating/Grism 300

| File            | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments       |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------|
| 0001-0010.DARK  | 900      | 22:00    | 17:17:31.7 | 42:47:49  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                |
| 0011-0020.BIAS  | 0        | 1:21     | 17:17:31.7 | 42:47:49  | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0021.FLAT       | 8        | 1:21     | 17:17:31.7 | 42:47:49  | 300 | 90   | 3.0  | #57 Velocity S | 4   | lots of cirrus |
| 0022-0030.FLAT  | 8        | 1:24     | 17:17:31.7 | 42:47:49  | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0031-0040.BIAS  | 0        | 1:27     | 17:17:31.7 | 42:47:49  | 300 | 90   | 3.0  | #57 Velocity S | 2   |                |
| 0041-0050.FLAT  | 16       | 1:32     | 17:17:31.7 | 42:47:49  | 300 | 90   | 3.0  | #57 Velocity S | 2   |                |
| 0051-0055.sky   | 2        | 1:45     | 06:00:00   | 32:00:00  | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0056.COMP       | 5        | 1:46     | 06:00:00   | 32:00:00  | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0057.HD52971    | 4        | 2:18     | 06:57:51   | +27:13:42 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0058.HD52971    | 4        | 2:18     | 06:57:51   | +27:13:42 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0059.HD52971    | 4        | 2:19     | 06:57:51   | +27:13:42 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0060.COMP       | 5        | 2:20     | 06:57:51   | +27:13:42 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                |
| 0061.Hiltner600 | 45       | 2:26     | 06:45:12.0 | +02:06:00 | 300 | 0    | 3.0  | #56 Photometri | 2   |                |
| 0062.Hiltner600 | 45       | 2:27     | 06:45:12.0 | +02:06:00 | 300 | 0    | 3.0  | #56 Photometri | 2   |                |
| 0063.COMP       | 10       | 2:28     | 06:45:12.0 | +02:06:00 | 300 | 0    | 3.0  | #56 Photometri | 2   |                |
| 0064.vso49411   | 300      | 2:31     | 5:14:11.5  | 1:19:10   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                |
| 0065.COMP       | 5        | 2:36     | 5:14:11.5  | 1:19:10   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                |
| 0066.vso49092   | 720      | 2:37     | 5:13:58.3  | 1:03:25   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                |
| 0067.COMP       | 5        | 2:50     | 5:13:58.3  | 1:03:25   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                |
| 0068.vso48898   | 1020     | 2:50     | 5:13:51.4  | 1:08:53   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                |

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|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------------|
| 0069.COMP     | 5        | 3:08     | 5:13:51.4  | 1:08:53   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0070.vso45912 | 900      | 3:08     | 5:11:43.0  | 1:19:09   | 300 | 90   | 3.0  | #112 Orion PMS | 4   | seeing 2 sec+              |
| 0071.COMP     | 5        | 3:24     | 5:11:43.0  | 1:19:09   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0072.vso48526 | 900      | 3:24     | 5:13:35.2  | 1:12:42   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0073.COMP     | 5        | 3:40     | 5:13:35.2  | 1:12:42   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0074.vso48303 | 900      | 3:40     | 5:13:25.8  | 1:14:47   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0075.COMP     | 5        | 3:56     | 5:13:25.8  | 1:14:47   | 300 | 90   | 3.0  | #112 Orion PMS | 4   |                            |
| 0076.sn2001G  | 1200     | 4:01     | 09:09:33.1 | +50:16:51 | 300 | 30   | 3.0  | #2 SN Observat | 2   |                            |
| 0077.COMP     | 10       | 4:21     | 09:09:33.1 | +50:16:51 | 300 | 30   | 3.0  | #2 SN Observat | 2   |                            |
| 0078.MRK110   | 360      | 4:22     | 09:25:12.9 | +52:17:10 | 300 | 30   | 3.0  | #6 AGN Monitor | 2   |                            |
| 0079.COMP     | 10       | 4:29     | 09:25:12.9 | +52:17:10 | 300 | 30   | 3.0  | #6 AGN Monitor | 2   |                            |
| 0080.Feige34  | 90       | 4:30     | 10:39:36.7 | +43:06:09 | 300 | 30   | 3.0  | #56 Photometri | 2   |                            |
| 0081.Feige34  | 90       | 4:32     | 10:39:36.7 | +43:06:09 | 300 | 30   | 3.0  | #56 Photometri | 2   |                            |
| 0082.BIAS     | 0        | 4:36     | 9:00:00    | 32:00:00  | 300 | 30   | 3.0  | #2 SN Observat | 4   |                            |
| 0083.HD064488 | 5        | 4:39     | 7:55:54.7  | 39:17:12  | 600 | 30   | 2.0  | #122 Halo Star | 4   | 600gpm grating; 2-sec slit |
| 0084.HD064488 | 5        | 4:39     | 7:55:54.7  | 39:17:12  | 600 | 30   | 2.0  | #122 Halo Star | 4   | tilt=430                   |
| 0085.HD064488 | 5        | 4:40     | 7:55:54.7  | 39:17:12  | 600 | 30   | 2.0  | #122 Halo Star | 4   |                            |
| 0086.COMP     | 10       | 4:40     | 7:55:54.7  | 39:17:12  | 600 | 30   | 2.0  | #122 Halo Star | 4   |                            |
| 0087.RR7n36   | 900      | 4:42     | 8:32:26.0  | 39:27:23  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                            |
| 0088.COMP     | 10       | 4:58     | 8:32:26.0  | 39:27:23  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                            |

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| File         | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                         |
|--------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------------------|
| 0089.hs53    | 900      | 4:59     | 10:48:12.9 | 29:09:17  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0090.COMP    | 10       | 5:14     | 10:48:12.9 | 29:09:17  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0091.hs54    | 540      | 5:15     | 10:48:28.8 | 29:43:47  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0092.COMP    | 10       | 5:24     | 10:48:28.8 | 29:43:47  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0093.hs55    | 900      | 5:25     | 10:49:10.5 | 29:42:39  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0094.COMP    | 10       | 5:40     | 10:49:10.5 | 29:42:39  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0095.hs56    | 720      | 5:42     | 10:49:10.9 | 29:03:40  | 600 | 90   | 2.0  | #122 Halo Star | 4   | 600gpm grating; 2-sec slit cont. |
| 0096.COMP    | 10       | 5:54     | 10:49:10.9 | 29:03:40  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0097.hs57    | 720      | 5:55     | 10:49:18.8 | 29:40:11  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0098.COMP    | 10       | 6:08     | 10:49:18.8 | 29:40:11  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0099.hs58    | 900      | 6:08     | 10:49:24.2 | 29:31:12  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0100.COMP    | 10       | 6:23     | 10:49:24.2 | 29:31:12  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0101.hs59    | 600      | 6:24     | 10:49:46.2 | 29:25:06  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0102.COMP    | 10       | 6:35     | 10:49:46.2 | 29:25:06  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0103.Feige34 | 120      | 6:35     | 10:39:36.7 | +43:06:09 | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0104.Feige34 | 120      | 6:38     | 10:39:36.7 | +43:06:09 | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0105.COMP    | 10       | 6:40     | 10:39:36.7 | +43:06:09 | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0106.hs60    | 900      | 6:41     | 10:49:46.9 | 28:49:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0107.COMP    | 10       | 6:56     | 10:49:46.9 | 28:49:50  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0108.hs61    | 480      | 6:57     | 10:50:42.3 | 29:43:20  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |

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|-----------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------------------------------|
| 0109.COMP | 10       | 7:06     | 10:50:42.3 | 29:43:20  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0110.hs62 | 1200     | 7:06     | 10:51:02.1 | 29:04:31  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0111.COMP | 10       | 7:27     | 10:51:02.1 | 29:04:31  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0112.hs63 | 600      | 7:27     | 10:51:17.6 | 29:20:33  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0113.COMP | 10       | 7:38     | 10:51:17.6 | 29:20:33  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0114.hs64 | 1020     | 7:38     | 10:52:35.4 | 29:11:04  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0115.COMP | 10       | 7:56     | 10:52:35.4 | 29:11:04  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0116.hs65 | 540      | 7:56     | 10:53:06.7 | 29:11:30  | 600 | 90   | 2.0  | #122 Halo Star | 4   | 600gpm grating; 2-sec slit cont. |
| 0117.COMP | 10       | 8:06     | 10:53:06.7 | 29:11:30  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0118.hs66 | 1200     | 8:06     | 10:53:09.9 | 29:31:04  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0119.COMP | 10       | 8:27     | 10:53:09.9 | 29:31:04  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0120.hs67 | 300      | 8:27     | 10:54:03.9 | 29:04:11  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0121.COMP | 10       | 8:32     | 10:54:03.9 | 29:04:11  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0122.hs68 | 900      | 8:33     | 10:54:20.1 | 29:16:30  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0123.COMP | 10       | 8:49     | 10:54:20.1 | 29:16:30  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0124.hs69 | 900      | 8:50     | 10:54:35.2 | 29:33:27  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0125.COMP | 10       | 9:06     | 10:54:35.2 | 29:33:27  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0126.hs70 | 1200     | 9:06     | 10:54:37.4 | 28:53:07  | 600 | 90   | 2.0  | #122 Halo Star | 4   | more clouds...                   |
| 0127.COMP | 10       | 9:27     | 10:54:37.4 | 28:53:07  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |
| 0128.HZ44 | 240      | 9:28     | 13:23:35.2 | +36:07:59 | 600 | 90   | 2.0  | #122 Halo Star | 4   |                                  |

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| File                | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                     |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------------|
| 0129.COMP           | 10       | 9:32     | 13:23:35.2 | +36:07:59 | 600 | 90   | 2.0  | #122 Halo Star | 4   |                              |
| 0130-0134.FLAT      | 30       | 9:35     | 14:00:00   | 32:00:00  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                              |
| 0135-0144.FLAT      | 45       | 9:44     | 14:00:00   | 32:00:00  | 600 | 90   | 2.0  | #122 Halo Star | 4   |                              |
| 0145.BIAS           | 0        | 9:49     | 13:23:35.2 | +36:07:59 | 300 | 90   | 3.0  | #56 Photometri | 2   | 300-line grating; 3-sec slit |
| 0146.BIAS           | 120      | 9:50     | 13:23:35.2 | +36:07:59 | 300 | 90   | 3.0  | #56 Photometri | 2   | normal set-up                |
| 0147.COMP           | 10       | 9:52     | 13:23:35.2 | +36:07:59 | 300 | 90   | 3.0  | #56 Photometri | 2   |                              |
| 0148.SNic4229       | 480      | 9:56     | 13:22:26.1 | -2:25:25  | 300 | 20   | 3.0  | #2 SN Observat | 2   |                              |
| 0149.SNic4229       | 1200     | 10:05    | 13:22:26.1 | -2:25:25  | 300 | 20   | 3.0  | #2 SN Observat | 2   |                              |
| 0150.COMP           | 10       | 10:26    | 13:22:26.1 | -2:25:25  | 300 | 20   | 3.0  | #2 SN Observat | 2   |                              |
| 0151.SN2001V        | 1200     | 10:28    | 11:57:25.0 | 25:12:10  | 300 | 73   | 3.0  | #2 SN Observat | 2   |                              |
| 0152.COMP           | 10       | 10:48    | 11:57:25.0 | 25:12:10  | 300 | 73   | 3.0  | #2 SN Observat | 2   |                              |
| 0153.135342p37260_b | 900      | 10:50    | 13:56:06.3 | +37:12:32 | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0154.COMP           | 5        | 11:06    | 13:56:06.3 | +37:12:32 | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0155.133712+31340_b | 900      | 11:07    | 13:39:22.2 | 31:14:55  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0156.COMP           | 5        | 11:23    | 13:39:22.2 | 31:14:55  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0157.134848+38310_b | 900      | 11:24    | 13:50:53.2 | 38:14:26  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0158.COMP           | 5        | 11:39    | 13:50:53.2 | 38:14:26  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0159.135606+25470_a | 1200     | 11:40    | 13:58:23.7 | 25:32:59  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0160.COMP           | 5        | 12:01    | 13:58:23.7 | 25:32:59  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |
| 0161.135606+25470_b | 600      | 12:02    | 13:58:38.1 | 25:38:04  | 300 | 73   | 3.0  | #113 Galaxy In | 4   |                              |

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|---------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0162.COMP           | 5               | 12:12           | 13:58:38.1 | 25:38:04   | 300        | 73          | 3.0         | #113 Galaxy In | 4          |                 |
| 0163.135818+38450_c | 480             | 12:13           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #113 Galaxy In | 4          |                 |
| 0164.COMP           | 5               | 12:22           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #113 Galaxy In | 4          | more clouds     |
| 0165-0174.BIAS      | 0               | 12:25           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #2 SN Observat | 4          |                 |
| 0175-0184.FLAT      | 8               | 12:28           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #2 SN Observat | 4          |                 |
| 0185-0194.BIAS      | 0               | 12:31           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #2 SN Observat | 2          |                 |
| 0195-0204.FLAT      | 16              | 12:36           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #2 SN Observat | 2          |                 |
| 0205-0214.DARK      | 1200            | 15:39           | 14:00:48.2 | 38:31:37   | 300        | 73          | 3.0         | #2 SN Observat | 2          |                 |