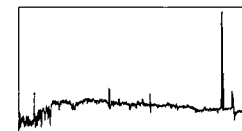
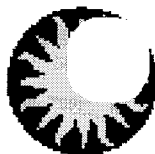


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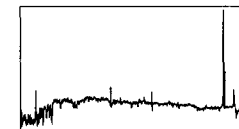
| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program         | Bin | Comments           |
|----------------|----------|----------|------------|-----------|-----|------|------|-----------------|-----|--------------------|
| 0001-0005.BIAS | 0        | 23:41    | 17:07:43.4 | +31:30:25 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0006-0010.BIAS | 0        | 23:42    | 17:08:48.6 | +31:30:24 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0011.FLAT      | 35       | 23:44    | 17:11:19.7 | +31:30:24 | 600 | 90   | 2.0  | #88f Massfunct  | 2   | em setup, tilt=744 |
| 0012.FLAT      | 35       | 23:45    | 17:12:07.5 | +31:30:24 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0013-0018.FLAT | 35       | 23:50    | 17:16:50.2 | +31:30:23 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0019-0020.FLAT | 35       | 23:51    | 17:18:25.6 | +31:30:22 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0021-0022.sky  | 4        | 1:17     | 18:43:36.6 | +31:30:04 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0023-0025.sky  | 4        | 1:18     | 18:44:24.5 | +31:30:03 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0026.COMP      | 30       | 1:18     | 18:45:29.6 | +31:30:03 | 600 | 90   | 2.0  | #88f Massfunct  | 2   |                    |
| 0027.BDp404032 | 180      | 1:45     | 20:06:40   | 41:06:15  | 600 | 55   | 2.0  | #56 Spectropho  | 2   |                    |
| 0028.COMP      | 30       | 1:49     | 20:06:40   | 41:06:15  | 600 | 55   | 2.0  | #56 Spectropho  | 2   |                    |
| 0029.MF0090    | 900      | 1:59     | 18:04:26.1 | 23:11:20  | 600 | -17  | 2.0  | #88f Mass Funct | 2   |                    |
| 0030.MF0090    | 900      | 2:14     | 18:04:26.1 | 23:11:20  | 600 | -17  | 2.0  | #88f Mass Funct | 2   |                    |
| 0031.COMP      | 30       | 2:30     | 18:04:26.1 | 23:11:20  | 600 | -17  | 2.0  | #88f Mass Funct | 2   |                    |
| 0032.COMP      | 30       | 2:34     | 17:35:44.1 | +24:47:13 | 600 | -17  | 2.0  | #88 Mass Funct  | 2   |                    |
| 0033.MF7082    | 900      | 2:35     | 17:35:44.1 | +24:47:13 | 600 | -10  | 2.0  | #88 Mass Funct  | 2   | row=78             |
| 0034.MF7082    | 900      | 2:50     | 17:35:44.1 | +24:47:13 | 600 | -10  | 2.0  | #88 Mass Funct  | 2   |                    |
| 0035.MF7082    | 900      | 3:05     | 17:35:44.1 | +24:47:13 | 600 | -10  | 2.0  | #88 Mass Funct  | 2   |                    |
| 0036.COMP      | 30       | 3:21     | 17:35:44.1 | +24:47:13 | 600 | -10  | 2.0  | #88 Mass Funct  | 2   |                    |
| 0037.COMP      | 30       | 3:24     | 17:16:27.3 | +43:20:33 | 600 | -10  | 2.0  | #88 Mass Funct  | 2   |                    |

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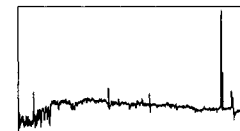
| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments            |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|---------------------|
| 0038.MF7066    | 900      | 3:25     | 17:16:27.3 | +43:20:33 | 600 | 0    | 2.0  | #88 Mass Funct | 2   |                     |
| 0039.MF7066    | 900      | 3:40     | 17:16:27.3 | +43:20:33 | 600 | 0    | 2.0  | #88 Mass Funct | 2   |                     |
| 0040.MF7066    | 900      | 3:56     | 17:16:27.3 | +43:20:33 | 600 | 0    | 2.0  | #88 Mass Funct | 2   |                     |
| 0041.COMP      | 30       | 4:11     | 17:16:27.3 | +43:20:33 | 600 | 0    | 2.0  | #88 Mass Funct | 2   |                     |
| 0042.MF7062    | 900      | 4:14     | 18:03:41.0 | +54:43:2  | 600 | -55  | 2.0  | #88 Mass Funct | 2   |                     |
| 0043.MF7062    | 900      | 4:29     | 18:03:41.0 | +54:43:2  | 600 | -55  | 2.0  | #88 Mass Funct | 2   |                     |
| 0044.MF7062    | 900      | 4:45     | 18:03:41.0 | +54:43:2  | 600 | -55  | 2.0  | #88 Mass Funct | 2   |                     |
| 0045.COMP      | 30       | 5:00     | 18:03:41.0 | +54:43:2  | 600 | -55  | 2.0  | #88 Mass Funct | 2   |                     |
| 0046.MF7011    | 900      | 5:04     | 17:50:20.9 | +22:57:5  | 600 | 60   | 2.0  | #88 Mass Funct | 2   |                     |
| 0047.MF7011    | 900      | 5:19     | 17:50:20.9 | +22:57:5  | 600 | 60   | 2.0  | #88 Mass Funct | 2   |                     |
| 0048.MF7011    | 900      | 5:34     | 17:50:20.9 | +22:57:5  | 600 | 60   | 2.0  | #88 Mass Funct | 2   |                     |
| 0049.COMP      | 30       | 5:50     | 17:50:20.9 | +22:57:5  | 600 | 60   | 2.0  | #88 Mass Funct | 2   |                     |
| 0050.COMP      | 30       | 5:54     | 22:12:06.4 | +16:25:33 | 600 | 60   | 2.0  | #88 Mass Funct | 2   | abs setup, tilt=494 |
| 0051.MF0095    | 1200     | 5:55     | 22:12:06.4 | +16:25:33 | 600 | 73   | 2.0  | #88 Mass Funct | 2   |                     |
| 0052.MF0095    | 1200     | 6:15     | 22:12:06.4 | +16:25:33 | 600 | 73   | 2.0  | #88 Mass Funct | 2   |                     |
| 0053.MF0095    | 1200     | 6:36     | 22:12:06.4 | +16:25:33 | 600 | 73   | 2.0  | #88 Mass Funct | 2   |                     |
| 0054.COMP      | 30       | 6:56     | 22:12:06.4 | +16:25:33 | 600 | 73   | 2.0  | #88 Mass Funct | 2   |                     |
| 0055.BDp284211 | 150      | 6:58     | 21:48:57.1 | 28:37:48  | 600 | 75   | 2.0  | #56 Spectropho | 2   |                     |
| 0056.COMP      | 30       | 7:01     | 21:48:57.1 | 28:37:48  | 600 | 75   | 2.0  | #56 Spectropho | 2   |                     |
| 0057.HD3546    | 47       | 7:04     | 00:38:33.4 | 29:18:42  | 600 | 90   | 2.0  | #88f Mass Func | 2   | saturated           |

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| File        | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments  |
|-------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-----------|
| 0058.COMP   | 30       | 7:05     | 00:38:33.4 | 29:18:42  | 600 | 90   | 2.0  | #88f Mass Func | 2   |           |
| 0059.HD3546 | 27       | 7:06     | 00:38:33.4 | 29:18:42  | 600 | 90   | 2.0  | #88f Mass Func | 2   | saturated |
| 0060.COMP   | 30       | 7:07     | 00:38:33.4 | 29:18:42  | 600 | 90   | 2.0  | #88f Mass Func | 2   |           |
| 0061.HD5516 | 28       | 7:09     | 00:57:12.4 | 23:25:03  | 600 | 90   | 2.0  | #88f Mass Func | 2   | saturated |
| 0062.COMP   | 30       | 7:10     | 00:57:12.4 | 23:25:03  | 600 | 90   | 2.0  | #88f Mass Func | 2   |           |
| 0063.M32    | 120      | 7:13     | 00:39:57.7 | 40:35:26  | 600 | 5    | 2.0  | #88f Mass Func | 2   |           |
| 0064.M32    | 120      | 7:15     | 00:39:57.7 | 40:35:26  | 600 | 5    | 2.0  | #88f Mass Func | 2   |           |
| 0065.M32    | 120      | 7:18     | 00:39:57.7 | 40:35:26  | 600 | 5    | 2.0  | #88f Mass Func | 2   |           |
| 0066.COMP   | 30       | 7:20     | 00:39:57.7 | 40:35:26  | 600 | 5    | 2.0  | #88f Mass Func | 2   |           |
| 0067.HD5516 | 24       | 7:27     | 00:57:12.4 | 23:25:03  | 600 | 90   | 2.0  | #88f Mass Func | 2   |           |
| 0068.COMP   | 30       | 7:28     | 00:57:12.4 | 23:25:03  | 600 | 90   | 2.0  | #88f Mass Func | 2   |           |
| 0069.COMP   | 30       | 7:33     | 22:51:58.6 | +17:18:14 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0070.MF7091 | 1200     | 7:34     | 22:51:58.6 | +17:18:14 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0071.MF7091 | 1200     | 7:54     | 22:51:58.6 | +17:18:14 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0072.MF7091 | 1200     | 8:14     | 22:51:58.6 | +17:18:14 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0073.COMP   | 30       | 8:35     | 22:51:58.6 | +17:18:14 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0074.COMP   | 30       | 8:38     | 22:44:02.5 | +15:52:19 | 600 | 70   | 2.0  | #88 Mass Funct | 2   |           |
| 0075.MF3052 | 1200     | 8:39     | 22:44:02.5 | +15:52:19 | 600 | 33   | 2.0  | #88 Mass Funct | 2   |           |
| 0076.MF3052 | 1200     | 8:59     | 22:44:02.5 | +15:52:19 | 600 | 33   | 2.0  | #88 Mass Funct | 2   |           |
| 0077.MF3052 | 1200     | 9:19     | 22:44:02.5 | +15:52:19 | 600 | 33   | 2.0  | #88 Mass Funct | 2   |           |

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| File            | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                             |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------------------------|
| 0078.COMP       | 30       | 9:40     | 22:44:02.5 | +15:52:19 | 600 | 33   | 2.0  | #88 Mass Funct | 2   |                                      |
| 0079.COMP       | 30       | 9:44     | 22:27:50.5 | +29:05:45 | 600 | 33   | 2.0  | #88 Mass Funct | 2   |                                      |
| 0080.MF0096     | 1200     | 9:45     | 22:27:50.5 | +29:05:45 | 600 | 95   | 2.0  | #88 Mass Funct | 2   | blue end of chip readout woes...     |
| 0081.COMP       | 30       | 10:12    | 22:27:50.5 | +29:05:45 | 600 | 95   | 2.0  | #88 Mass Funct | 2   |                                      |
| 0082.MF0096     | 1200     | 10:13    | 22:27:50.5 | +29:05:45 | 600 | 95   | 2.0  | #88 Mass Funct | 2   |                                      |
| 0083.COMP       | 30       | 10:35    | 22:27:50.5 | +29:05:45 | 600 | 95   | 2.0  | #88 Mass Funct | 2   |                                      |
| 0084.Hiltner600 | 90       | 11:02    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   | example of chip malfunction          |
| 0085.COMP       | 30       | 11:25    | 04:53:32.6 | +31:30:10 | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0086.Hiltner600 | 60       | 11:28    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0087.Hiltner600 | 60       | 11:30    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0088-0089.BIAS  | 0        | 11:31    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0090.Hiltner600 | 60       | 11:35    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0091.Hiltner600 | 60       | 11:51    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0092.COMP       | 30       | 11:53    | 06:42:37.2 | 02:11:25  | 600 | 90   | 2.0  | #56 Spectropho | 2   |                                      |
| 0093.Hiltner600 | 120      | 11:56    | 06:42:37.2 | 02:11:25  | 600 | -32  | 2.0  | #56 Spectropho | 2   | ccd working much better...           |
| 0094.COMP       | 30       | 11:59    | 06:42:37.2 | 02:11:25  | 600 | -32  | 2.0  | #56 Spectropho | 2   | still some slight effect in far blue |
| 0095.NGC1023    | 180      | 12:04    | 02:37:15.8 | 38:50:55  | 600 | 88   | 2.0  | #88f Mass Func | 2   |                                      |
| 0096.NGC1023    | 180      | 12:07    | 02:37:15.8 | 38:50:55  | 600 | 88   | 2.0  | #88f Mass Func | 2   |                                      |
| 0097.NGC1023    | 180      | 12:11    | 02:37:15.8 | 38:50:55  | 600 | 88   | 2.0  | #88f Mass Func | 2   |                                      |
| 0098.COMP       | 30       | 12:14    | 02:37:15.8 | 38:50:55  | 600 | 88   | 2.0  | #88f Mass Func | 2   |                                      |

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| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0099.HD34559   | 32       | 12:16    | 05:19:16.6 | 22:05:47  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0100.COMP      | 30       | 12:18    | 05:19:16.6 | 22:05:47  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0101.MF7061    | 450      | 12:20    | 09:13:46.2 | +62:19:54 | 600 | 100  | 2.0  | #88 Mass Funct | 2   |          |
| 0102.MF7061    | 450      | 12:28    | 09:13:46.2 | +62:19:54 | 600 | 100  | 2.0  | #88 Mass Funct | 2   |          |
| 0103.COMP      | 30       | 12:36    | 09:13:46.2 | +62:19:54 | 600 | 100  | 2.0  | #88 Mass Funct | 2   |          |
| 0104.HD48433   | 31       | 12:39    | 06:43:59.3 | 13:13:40  | 600 | 100  | 2.0  | #88f Mass Func | 2   |          |
| 0105.COMP      | 30       | 12:40    | 06:43:59.3 | 13:13:40  | 600 | 100  | 2.0  | #88f Mass Func | 2   |          |
| 0106-0110.sky  | 2        | 13:15    | 06:43:59.3 | 13:13:40  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0111.COMP      | 30       | 13:16    | 06:43:59.3 | 13:13:40  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0112-0121.BIAS | 0        | 13:19    | 06:43:59.3 | 13:13:40  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0122-0131.FLAT | 35       | 13:34    | 06:43:59.3 | 13:13:40  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |
| 0132-0141.DARK | 900      | 15:55    | 06:43:59.3 | 13:13:40  | 600 | 90   | 2.0  | #88f Mass Func | 2   |          |