



WHIPPLE OBSERVATORY

FAST SPECTROGRAPH LOG



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UT Date 2001-04-18 Observers K. ConcannonColl. Focus 1155 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------------------------|
| 0001.BIAS | 0 | 21:59 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0002-0009.COMP | 5 | 22:03 | - | - | 600 | 90 | 1.5 | - | | testing focus |
| 0010-0013.DARK | 1800 | 23:11 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0014.COMP | 5 | 1:32 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0015-0024.BIAS | 0 | 1:34 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0025-0034.FLAT | 15 | 1:36 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0035-0040.SKY | 5 | 2:07 | - | - | 600 | 90 | 1.5 | - | | wrong binning |
| 0041.COMP | 5 | 2:28 | 09:06:14.2 | 17:40:24 | 600 | 90 | 1.5 | #56 Spectropho | | changed to correct binning |
| 0042.HD78749 | 4 | 2:29 | 09:06:14.2 | 17:40:24 | 600 | 90 | 1.5 | #56 Spectropho | | Line standard |
| 0043.COMP | 5 | 2:33 | 09:06:14.2 | 17:40:24 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0044.HD78749 | 8 | 2:34 | 09:06:14.2 | 17:40:24 | 600 | 90 | 1.5 | #56 Spectropho | | Line standard |
| 0045.COMP | 5 | 2:35 | 09:06:14.2 | 17:40:24 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0046.HD79452 | 6 | 2:37 | 09:12:10.4 | 34:50:27 | 600 | 90 | 1.5 | #56 Spectropho | | Line standard |
| 0047.COMP | 5 | 2:38 | 09:12:10.4 | 34:50:27 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0048.COMP | 5 | 2:39 | 09:29:31.4 | 51:54:23 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0049.HD82328 | 1 | 2:40 | 09:29:31.4 | 51:54:23 | 600 | 90 | 1.5 | #56 Spectropho | | Line standard |
| 0050.HD82328 | 3 | 2:41 | 09:29:31.4 | 51:54:23 | 600 | 90 | 1.5 | #56 Spectropho | | Line standard |
| 0051.COMP | 5 | 2:42 | 09:29:31.4 | 51:54:23 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0052.COMP | 5 | 2:47 | 08:02:15.8 | 02:20:04 | 600 | 90 | 1.5 | #70f Elliptica | | |
| 0053.HD66141 | 3 | 2:48 | 08:02:15.8 | 02:20:04 | 600 | 90 | 1.5 | #70f Elliptica | | Velocity standard |



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UT Date 2001-04-18 Observers K. Concannon

Coll. Focus 1155 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|-----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------------------|
| 0054.COMP | 5 | 2:48 | 08:02:15.8 | 02:20:04 | 600 | 90 | 1.5 | #70f Elliptica | | |
| 0055.COMP | 5 | 2:52 | 08:40:01.5 | -12:28:31 | 600 | 90 | 1.5 | #70f Elliptica | | |
| 0056.HR3431 | 2 | 2:52 | 08:40:01.5 | -12:28:31 | 600 | 90 | 1.5 | #70f Elliptica | | Velocity standard |
| 0057.COMP | 5 | 2:53 | 08:40:01.5 | -12:28:31 | 600 | 90 | 1.5 | #70f Elliptica | | |
| 0058.COMP | 5 | 3:05 | 08:23:01.0 | 54:37:58 | 600 | 90 | 1.5 | #56 Spectropho | | |
| 0059.PG0823p546 | 600 | 3:06 | 08:23:01.0 | 54:37:58 | 600 | -30 | 5.0 | #56 Spectropho | | |
| 0060.COMP | 5 | 3:17 | 08:23:01.0 | 54:37:58 | 600 | -30 | 5.0 | #56 Spectropho | | |
| 0061.N3731 | 1800 | 3:24 | 11:34:11.6 | 12:30:44 | 600 | -45 | 1.5 | #70f E/SO Ages | | completes last night's observations |
| 0062.COMP | 5 | 3:55 | 11:34:11.6 | 12:30:44 | 600 | -45 | 1.5 | #70f E/SO Ages | | |
| 0063.COMP | 5 | 4:03 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0064.N4283 | 1800 | 4:04 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | rel. bright gal |
| 0065.COMP | 5 | 4:34 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0066.N4283 | 1800 | 4:35 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0067.COMP | 5 | 5:06 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0068.N4283 | 1800 | 5:07 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0069.COMP | 5 | 5:38 | 12:20:20.8 | 29:18:39 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0070.COMP | 5 | 5:42 | 12:15:53.3 | 13:12:57 | 600 | -75 | 1.5 | #70f E/SO Ages | | |
| 0071.VCC165 | 1800 | 5:43 | 12:15:53.3 | 13:12:57 | 600 | -45 | 1.5 | #70f E/SO Ages | | faint, possibly background gal? |
| 0072.COMP | 5 | 6:13 | 12:15:53.3 | 13:12:57 | 600 | -45 | 1.5 | #70f E/SO Ages | | |
| 0073.VCC165 | 1800 | 6:14 | 12:15:53.3 | 13:12:57 | 600 | -45 | 1.5 | #70f E/SO Ages | | redshift not 250km/s |



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UT Date 2001-04-18 Observers K. ConcannonColl. Focus 1155 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|--------------|----------|----------|------------|----------|-----|------|------|----------------|-----|--|
| 0074.COMP | 5 | 6:44 | 12:15:53.3 | 13:12:57 | 600 | -45 | 1.5 | #70f E/SO Ages | | |
| 0075.COMP | 5 | 6:49 | 12:33:07.5 | 14:34:30 | 600 | -45 | 1.5 | #70f E/SO Ages | | |
| 0076.VCC1479 | 1800 | 6:50 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | clouds increasing, lots of cosmic rays |
| 0077.COMP | 5 | 7:21 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | |
| 0078.VCC1479 | 1800 | 7:22 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | low counts |
| 0079.COMP | 5 | 7:52 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | |
| 0080.VCC1479 | 1800 | 7:54 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | also one image last night |
| 0081.COMP | 5 | 8:24 | 12:33:07.5 | 14:34:30 | 600 | 7 | 1.5 | #70f E/SO Ages | | |
| 0082.COMP | 5 | 8:32 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0083.N5644 | 1800 | 8:32 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0084.COMP | 5 | 9:03 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0085.N5644 | 1800 | 9:04 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0086.COMP | 5 | 9:34 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0087.N5644 | 1800 | 9:35 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0088.COMP | 5 | 10:05 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0089.N5644 | 1800 | 10:06 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0090.COMP | 5 | 10:36 | 14:30:25.6 | 11:55:40 | 600 | 35 | 1.5 | #70f E/SO Ages | | |
| 0091.COMP | 5 | 10:40 | 16:19:08.9 | 57:58:51 | 600 | -25 | 1.5 | #70f E/SO Ages | | |
| 0092.N6127 | 1800 | 10:43 | 16:19:08.9 | 57:58:51 | 600 | -25 | 1.5 | #70f E/SO Ages | | |
| 0093.COMP | 5 | 11:13 | 16:19:08.9 | 57:58:51 | 600 | -25 | 1.5 | #70f E/SO Ages | | |



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UT Date 2001-04-18 Observers K. ConcannonColl. Focus 1155 Grating/Grism 600

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|-------------------------|
| 0094.N6127 | 1800 | 11:14 | 16:19:08.9 | 57:58:51 | 600 | -25 | 1.5 | #70f E/SO Ages | | |
| 0095.COMP | 5 | 11:44 | 16:19:08.9 | 57:58:51 | 600 | -25 | 1.5 | #70f E/SO Ages | | |
| 0096.COMP | 5 | 12:01 | 17:20:39.6 | 32:38:03 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0097.HR6458 | 10 | 12:02 | 17:20:39.6 | 32:38:03 | 600 | 90 | 1.5 | #70f E/SO Ages | | Velocity standard |
| 0098.COMP | 5 | 12:03 | 17:20:39.6 | 32:38:03 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0099.COMP | 5 | 12:06 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0100.HD171232 | 12 | 12:06 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | Velocity standard |
| 0101.HD171232 | 5 | 12:07 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0102.COMP | 5 | 12:08 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0103-0112.BIAS | 0 | 12:09 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0113-0122.FLAT | 15 | 12:12 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0123-0128.SKY | 60 | 12:25 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | still cirrus at sunrise |
| 0129.DARK | 1800 | 12:42 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0130.DARK | 1800 | 13:12 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0131.DARK | 1800 | 13:43 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0132.DARK | 1800 | 14:13 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0133.DARK | 1800 | 14:43 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |
| 0134.DARK | 1800 | 15:13 | 18:32:35.9 | 25:29:21 | 600 | 90 | 1.5 | #70f E/SO Ages | | |