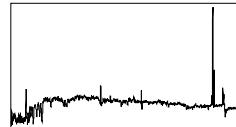




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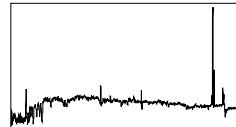
Coll. Focus 1020 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|----------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0001.DARK | 900 | 23:15 | 18:19:53.0 | 31:30:09 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0002.DARK | 900 | 23:15 | 18:35:04.0 | 31:30:07 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0003.DARK | 900 | 23:15 | 18:50:12.0 | 31:30:04 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0004.DARK | 900 | 23:15 | 19:05:23.0 | 31:30:02 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0005.DARK | 900 | 23:15 | 19:20:34.0 | 31:30:00 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0006.DARK | 900 | 23:15 | 19:35:45.0 | 31:29:59 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0007.DARK | 900 | 23:15 | 19:50:53.0 | 31:29:57 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0008.DARK | 900 | 23:15 | 20:06:06.0 | 31:29:55 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0009.DARK | 900 | 23:15 | 20:21:17.0 | 31:29:53 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0010-0019.BIAS | 0 | 1:42 | 20:32:42.0 | 31:29:52 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0020-0029.FLAT | 6 | 1:45 | 20:35:50.0 | 31:29:52 | 300 | 89 | 3.0 | #57 Velocity S | 4 | |
| 0030-0039.BIAS | 0 | 1:49 | 20:39:00.0 | 31:29:52 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0040-0049.FLAT | 12 | 1:53 | 20:43:58.0 | 31:29:51 | 300 | 89 | 3.0 | #57 Velocity S | 2 | |
| 0050.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0051.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0052.COMP | 5 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 4 | |
| 0053.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0054.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0055.COMP | 12 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0056.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 104 | 3.0 | #56 Spectropho | 2 | |



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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0057.BDp284211 | 40 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 104 | 3.0 | #56 Spectropho | 2 | |
| 0058.COMP | 12 | 1:53 | 21:48:57.1 | 28:37:48 | 300 | 104 | 3.0 | #56 Spectropho | 2 | |
| 0059.Akn564 | 240 | 1:53 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0060.Akn564 | 240 | 1:53 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0061.COMP | 12 | 1:53 | 22:42:39.4 | +29:43:31 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0062.N7469 | 150 | 1:53 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0063.N7469 | 150 | 1:53 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0064.COMP | 12 | 1:53 | 23:03:15.7 | +08:52:27 | 300 | 90 | 3.0 | #6 AGN Monitor | 2 | |
| 0065.ngcsh.4-521 | 540 | 1:53 | 21:52:58.9 | 62:41:35 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0066.COMP | 12 | 1:53 | 21:52:58.9 | 62:41:35 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0067.ngcsh.2-512 | 600 | 1:53 | 21:54:03.2 | 62:29:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0068.COMP | 12 | 1:53 | 21:54:03.2 | 62:29:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0069.ngcsh.4-1027 | 540 | 1:53 | 21:53:07.6 | 62:46:14 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0070.COMP | 12 | 1:53 | 21:53:07.6 | 62:46:14 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0071.ngcsh.3-180 | 480 | 1:53 | 21:53:54.1 | 62:38:10 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0072.COMP | 12 | 1:53 | 21:53:54.1 | 62:38:10 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0073.ngcsh.3-228 | 540 | 1:53 | 21:53:59.6 | 62:38:43 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0074.COMP | 12 | 1:53 | 21:53:59.6 | 62:38:43 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0075.ngcsh.2-939 | 480 | 1:53 | 21:54:49.1 | 62:33:47 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0076.COMP | 12 | 1:53 | 21:54:49.1 | 62:33:47 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |



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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-------------------|----------|----------|------------|----------|-----|------|------|----------------|-----|----------|
| 0077.ngcsh.3-340 | 540 | 1:53 | 21:55:14.2 | 62:40:03 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0078.COMP | 12 | 1:53 | 21:55:14.2 | 62:40:03 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0079.ngcsh.1-1164 | 660 | 1:53 | 21:53:32.1 | 62:34:05 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0080.COMP | 12 | 1:53 | 21:53:32.1 | 62:34:05 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0081.ngcsh.4-432 | 480 | 1:53 | 21:52:25.3 | 62:40:34 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | row=79 |
| 0082.COMP | 12 | 1:53 | 21:52:25.3 | 62:40:34 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0083.ngcsh.3-457 | 900 | 1:53 | 21:55:21.2 | 62:41:16 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | row=79 |
| 0084.COMP | 12 | 1:53 | 21:55:21.2 | 62:41:16 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0085.ngcsh.3-460 | 720 | 1:53 | 21:55:21.2 | 62:41:16 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0086.COMP | 12 | 1:53 | 21:55:21.2 | 62:41:16 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0087.ngcsh.4-886 | 480 | 1:53 | 21:53:16.7 | 62:45:05 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0088.COMP | 12 | 1:53 | 21:53:16.7 | 62:45:05 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0089.ngcsh.2-40 | 480 | 1:53 | 21:55:11.9 | 62:24:14 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0090.COMP | 12 | 1:53 | 21:55:11.9 | 62:24:14 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0091.ngcsh.1-978 | 480 | 1:53 | 21:52:10.6 | 62:32:31 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0092.COMP | 12 | 1:53 | 21:52:10.6 | 62:32:31 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0093.ngcsh.3-388 | 450 | 1:53 | 21:54:26.8 | 62:40:32 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0094.COMP | 12 | 1:53 | 21:54:26.8 | 62:40:32 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0095.ngcsh.4-537 | 720 | 1:53 | 21:52:37.1 | 62:41:43 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0096.COMP | 12 | 1:53 | 21:52:37.1 | 62:41:43 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |



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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------|----------|----------|------------|----------|-----|------|------|----------------|-----|---------------------|
| 0097.ngcsh.2-883 | 510 | 1:53 | 21:55:04.0 | 62:33:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0098.COMP | 12 | 1:53 | 21:55:04.0 | 62:33:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0099.ngcsh.2-890 | 480 | 1:53 | 21:55:04.0 | 62:33:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0100.COMP | 12 | 1:53 | 21:55:04.0 | 62:33:20 | 300 | 90 | 3.0 | #89 Ae/Be Star | 2 | |
| 0101.a168_222 | 360 | 1:53 | 01:18:40.5 | -1:03:54 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0102.COMP | 12 | 1:53 | 01:18:40.5 | -1:03:54 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0103.a168_217 | 360 | 1:53 | 01:19:32.4 | -1:38:26 | 300 | 90 | 3.0 | #64 Cluster In | 2 | slim cts, get again |
| 0104.COMP | 12 | 1:53 | 01:19:32.4 | -1:38:26 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0105.a168_217 | 540 | 1:53 | 01:19:32.4 | -1:38:26 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0106.COMP | 12 | 1:53 | 01:19:32.4 | -1:38:26 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0107.a168_224 | 420 | 1:53 | 01:13:11.6 | 2:17:01 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0108.COMP | 12 | 1:53 | 01:13:11.6 | 2:17:01 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0109.a168_229 | 420 | 1:53 | 01:12:02.7 | -0:15:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0110.COMP | 12 | 1:53 | 01:12:02.7 | -0:15:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0111.a168_231 | 300 | 1:53 | 01:12:05.3 | -0:09:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0112.COMP | 12 | 1:53 | 01:12:05.3 | -0:09:40 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0113.a168_232 | 540 | 1:53 | 01:15:14.3 | 0:20:19 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0114.COMP | 12 | 1:53 | 01:15:14.3 | 0:20:19 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0115.a168_234 | 900 | 1:53 | 01:20:29.1 | -0:20:43 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0116.COMP | 12 | 1:53 | 01:20:29.1 | -0:20:43 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |



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Coll. Focus 1020 Grating/Grism 300

| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|----------|-----|------|------|----------------|-----|--------------------|
| 0117.a168_235 | 480 | 1:53 | 01:13:36.2 | -1:46:20 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0118.COMP | 12 | 1:53 | 01:13:36.2 | -1:46:20 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0119.a168_237 | 420 | 1:53 | 01:16:56.5 | 0:08:17 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0120.COMP | 12 | 1:53 | 01:16:56.5 | 0:08:17 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0121.a168_238 | 600 | 1:53 | 01:21:48.5 | 0:56:34 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0122.COMP | 12 | 1:53 | 01:21:48.5 | 0:56:34 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0123.a168_242 | 1200 | 1:53 | 01:16:35.2 | 2:30:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0124.COMP | 12 | 1:53 | 01:16:35.2 | 2:30:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0125.a168_246 | 480 | 1:53 | 01:18:40.2 | -0:06:31 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0126.COMP | 12 | 1:53 | 01:18:40.2 | -0:06:31 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0127.a168_247 | 780 | 1:53 | 01:24:15.0 | 0:35:51 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0128.COMP | 12 | 1:53 | 01:24:15.0 | 0:35:51 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0129.a168_248 | 600 | 1:53 | 01:23:14.9 | -0:19:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | low cts, get again |
| 0130.COMP | 12 | 1:53 | 01:23:14.9 | -0:19:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0131.a168_248 | 900 | 1:53 | 01:23:14.9 | -0:19:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0132.COMP | 12 | 1:53 | 01:23:14.9 | -0:19:49 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0133.a168_251 | 300 | 1:53 | 01:14:42.2 | 2:25:19 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0134.COMP | 12 | 1:53 | 01:14:42.2 | 2:25:19 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0135.a168_254 | 540 | 1:53 | 01:15:08.1 | 0:13:37 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0136.COMP | 12 | 1:53 | 01:15:08.1 | 0:13:37 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |



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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------------|
| 0137.a168_257 | 1020 | 1:53 | 01:22:29.7 | -0:20:53 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0138.COMP | 12 | 1:53 | 01:22:29.7 | -0:20:53 | 300 | 90 | 3.0 | #64 Cluster In | 2 | |
| 0139.sn2001ep | 1200 | 1:53 | 04:57:00.2 | -04:45:40 | 300 | -7 | 3.0 | #2 SN Observat | 2 | |
| 0140.COMP | 12 | 1:53 | 04:57:00.2 | -04:45:40 | 300 | -7 | 3.0 | #2 SN Observat | 2 | |
| 0141.FLAT | 12 | 1:53 | 04:57:00.2 | -04:45:40 | 300 | 90 | 3.0 | #2 SN Observat | 2 | Tilt=750, GG-495 filter |
| 0142-0150.FLAT | 12 | 10:20 | 04:57:00.2 | -04:45:40 | 300 | 90 | 3.0 | #2 SN Observat | 2 | |
| 0151.sn2001ep | 1200 | 10:20 | 04:57:00.2 | -04:45:40 | 300 | 90 | 3.0 | #2 SN Observat | 2 | PA=7 |
| 0152.COMP | 12 | 10:20 | 04:57:00.2 | -04:45:40 | 300 | 90 | 3.0 | #2 SN Observat | 2 | PA=7 |
| 0153.HD19445 | 6 | 10:20 | 03:08:25.5 | 26:19:51 | 300 | 72 | 3.0 | #56 Photometri | 2 | |
| 0154.COMP | 12 | 10:20 | 03:08:25.5 | 26:19:51 | 300 | 72 | 3.0 | #56 Photometri | 2 | |
| 0155.BGGem | 300 | 10:20 | 6:03:31 | 27:41:50 | 300 | 90 | 3.0 | #100 BGGem | 2 | Normal Set-up |
| 0156.COMP | 12 | 10:20 | 6:03:31 | 27:41:50 | 300 | 90 | 3.0 | #100 BGGem | 2 | |
| 0157.BGGem | 1200 | 10:20 | 6:03:31 | 27:41:50 | 300 | 90 | 3.0 | #100 BGGem | 2 | |
| 0158.COMP | 12 | 10:20 | 6:03:31 | 27:41:50 | 300 | 90 | 3.0 | #100 BGGem | 2 | |
| 0159.45vso-35857 | 480 | 10:20 | 05:22:53.7 | -00:46:24 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0160.COMP | 12 | 10:20 | 05:22:53.7 | -00:46:24 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0161.46vso-35982 | 480 | 10:20 | 05:23:02.5 | -00:35:01 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0162.COMP | 12 | 10:20 | 05:23:02.5 | -00:35:01 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0163.47vso-36176 | 540 | 10:20 | 05:23:17.6 | -00:48:14 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0164.COMP | 12 | 10:20 | 05:23:17.6 | -00:48:14 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |



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|------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0165.48vso-36380 | 420 | 10:20 | 05:23:32.1 | -00:52:02 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0166.COMP | 12 | 10:20 | 05:23:32.1 | -00:52:02 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0167.49vso-36809 | 540 | 10:20 | 05:23:57.4 | -00:49:00 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0168.COMP | 12 | 10:20 | 05:23:57.4 | -00:49:00 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0169.50vso-36913 | 420 | 10:20 | 05:24:06.2 | -00:45:04 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0170.COMP | 12 | 10:20 | 05:24:06.2 | -00:45:04 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0171.51vso-37997 | 480 | 10:20 | 05:25:13.7 | -00:46:42 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0172.COMP | 12 | 10:20 | 05:25:13.7 | -00:46:42 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0173.52vso-38094 | 480 | 10:20 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0174.COMP | 12 | 10:20 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #112 Orion PMS | 2 | |
| 0175-0179.sky | 2 | 13:24 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0180.COMP | 12 | 13:24 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0181-0190.BIAS | 0 | 13:28 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0191-0200.FLAT | 6 | 13:33 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 4 | |
| 0201-0210.BIAS | 0 | 13:37 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0211-0220.FLAT | 12 | 13:42 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0221-0230.DARK | 900 | 16:05 | 05:25:20.0 | -00:52:03 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |