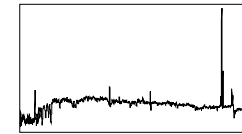


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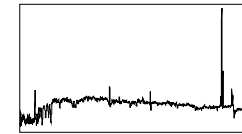
| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0001-0010.BIAS | 0 | 02:42 | 13:18:23.5 | +31:33:23 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0011-0025.FLAT | 7 | 02:47 | 13:18:23.5 | +31:33:23 | 300 | 90 | 3.0 | #57 Velocity S | 2 | |
| 0026.TXCVn | 30 | 03:21 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0027.TXCVn | 30 | 03:22 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0028.TXCVn | 60 | 03:23 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0029.COMP | 10 | 03:24 | 12:44:42.0 | +36:45:48 | 300 | 90 | 3.0 | #12 Symbiotic | 2 | |
| 0030.RWHya | 2 | 03:29 | 13:34:18.0 | -25:22:51 | 300 | 10 | 3.0 | #12 Symbiotic | 2 | |
| 0031.RWHya | 6 | 03:30 | 13:34:18.0 | -25:22:51 | 300 | 10 | 3.0 | #12 Symbiotic | 2 | |
| 0032.RWHya | 15 | 03:30 | 13:34:18.0 | -25:22:51 | 300 | 10 | 3.0 | #12 Symbiotic | 2 | |
| 0033.RWHya | 30 | 03:31 | 13:34:18.0 | -25:22:51 | 300 | 10 | 3.0 | #12 Symbiotic | 2 | |
| 0034.COMP | 10 | 03:32 | 13:34:18.0 | -25:22:51 | 300 | 10 | 3.0 | #12 Symbiotic | 2 | |
| 0035.RGBJ1117+202 | 900 | 03:38 | 11:17:06.2 | +20:14:07 | 300 | 64 | 3.0 | #6 AGN Monitor | 2 | |
| 0036.COMP | 10 | 03:54 | 11:17:06.2 | +20:14:07 | 300 | 64 | 3.0 | #6 AGN Monitor | 2 | |
| 0037.sn2009gf | 1800 | 03:56 | 14:15:37.1 | +14:16:49 | 300 | 27 | 3.0 | #2 SN Observat | 2 | |
| 0038.COMP | 10 | 04:26 | 14:15:37.1 | +14:16:49 | 300 | 27 | 3.0 | #2 SN Observat | 2 | |
| 0039.BDp262606 | 90 | 04:28 | 14:49:02.4 | +25:42:09 | 300 | 35 | 3.0 | #56 Spectropho | 2 | |
| 0040.BDp262606 | 90 | 04:29 | 14:49:02.4 | +25:42:09 | 300 | 35 | 3.0 | #56 Spectropho | 2 | |
| 0041.BDp262606 | 90 | 04:31 | 14:49:02.4 | +25:42:09 | 300 | 35 | 3.0 | #56 Spectropho | 2 | |
| 0042.COMP | 10 | 04:33 | 14:49:02.4 | +25:42:09 | 300 | 35 | 3.0 | #56 Spectropho | 2 | |
| 0043.TCrB | 20 | 04:37 | 15:59:30.0 | +25:55:12 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|-----------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0044.TCrB | 40 | 04:38 | 15:59:30.0 | +25:55:12 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0045.TCrB | 80 | 04:39 | 15:59:30.0 | +25:55:12 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0046.COMP | 10 | 04:40 | 15:59:30.0 | +25:55:12 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0047.sn2009dc | 1800 | 04:42 | 15:51:12.1 | +25:42:28 | 300 | 0 | 3.0 | #2 SN Observat | 2 | |
| 0048.COMP | 10 | 05:12 | 15:51:12.1 | +25:42:28 | 300 | 0 | 3.0 | #2 SN Observat | 2 | |
| 0049.BDp332642 | 240 | 05:13 | 15:51:59.9 | +32:56:54 | 300 | 0 | 3.0 | #56 Spectropho | 2 | |
| 0050.BDp332642 | 240 | 05:18 | 15:51:59.9 | +32:56:54 | 300 | 0 | 3.0 | #56 Spectropho | 2 | |
| 0051.COMP | 10 | 05:23 | 15:51:59.9 | +32:56:54 | 300 | 0 | 3.0 | #56 Spectropho | 2 | |
| 0052.AGDra | 5 | 05:24 | 16:01:41.0 | +66:48:10 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0053.AGDra | 45 | 05:25 | 16:01:41.0 | +66:48:10 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0054.AGDra | 60 | 05:26 | 16:01:41.0 | +66:48:10 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0055.AGDra | 120 | 05:27 | 16:01:41.0 | +66:48:10 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0056.COMP | 10 | 05:30 | 16:01:41.0 | +66:48:10 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0057.C144837.1+110015 | 1200 | 05:32 | 14:48:37.1 | +11:00:16 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0058.COMP | 10 | 05:52 | 14:48:37.1 | +11:00:16 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0059.C150433.5+323732 | 960 | 05:55 | 15:04:33.5 | +32:37:33 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0060.COMP | 10 | 06:11 | 15:04:33.5 | +32:37:33 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0061.C150445.2+142446 | 900 | 06:13 | 15:04:45.2 | +14:24:46 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0062.COMP | 10 | 06:28 | 15:04:45.2 | +14:24:46 | 300 | 0 | 3.0 | #188 Dwarf C S | 2 | |
| 0063.AS210 | 300 | 06:30 | 16:51:20.3 | -26:00:33 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0064.AS210 | 15 | 06:35 | 16:51:20.3 | -26:00:33 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0065.AS210 | 30 | 06:36 | 16:51:20.3 | -26:00:33 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0066.COMP | 10 | 06:37 | 16:51:20.3 | -26:00:33 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0067.Hen1341 | 15 | 06:38 | 17:08:36.0 | -17:26:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0068.Hen1341 | 30 | 06:39 | 17:08:36.0 | -17:26:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0069.Hen1341 | 210 | 06:40 | 17:08:36.0 | -17:26:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0070.COMP | 10 | 06:44 | 17:08:36.0 | -17:26:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0071.RS0ph | 30 | 06:45 | 17:50:13.0 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0072.RS0ph | 154 | 06:46 | 17:50:13.0 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0073.RS0ph | 180 | 06:49 | 17:50:13.0 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0074.COMP | 10 | 06:53 | 17:50:13.0 | -06:42:30 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0075.sn2009fv | 1800 | 06:55 | 16:29:44.2 | +40:48:42 | 300 | 0 | 3.0 | #2 SN Observat | 2 | |
| 0076.COMP | 10 | 07:25 | 16:29:44.2 | +40:48:42 | 300 | 0 | 3.0 | #2 SN Observat | 2 | |
| 0077.AS270 | 75 | 07:27 | 18:05:33.7 | -20:20:38 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0078.AS270 | 360 | 07:29 | 18:05:33.7 | -20:20:38 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0079.COMP | 10 | 07:36 | 18:05:33.7 | -20:20:38 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0080.Hen1591 | 120 | 07:36 | 18:07:32.0 | -25:53:43 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0081.Hen1591 | 360 | 07:39 | 18:07:32.0 | -25:53:43 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0082.COMP | 10 | 07:45 | 18:07:32.0 | -25:53:43 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0083.AS281 | 120 | 07:46 | 18:10:44.0 | -27:57:57 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------------|
| 0084.AS281 | 420 | 07:49 | 18:10:44.0 | -27:57:57 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0085.COMP | 10 | 07:59 | 18:10:44.0 | -27:57:57 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0088.Hen1674 | 600 | 08:05 | 18:20:19.1 | -26:22:46 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0089.Hen1674 | 180 | 08:15 | 18:20:19.1 | -26:22:46 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | |
| 0090.COMP | 10 | 08:19 | 18:20:19.1 | -26:22:46 | 300 | 0 | 3.0 | #12 Symbiotic | 2 | stopped by clouds |
| 0091.IPHASB_2366 | 480 | 09:10 | 18:57:13.0 | +00:12:08 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0092.COMP | 10 | 09:19 | 18:57:13.0 | +00:12:08 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0093.IPHASB_2347 | 720 | 09:22 | 18:56:36.8 | -00:24:02 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0094.COMP | 10 | 09:35 | 18:56:36.8 | -00:24:02 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0095.IPHASB_2488 | 600 | 09:37 | 19:05:36.8 | -00:15:15 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0096.COMP | 10 | 09:48 | 19:05:36.8 | -00:15:15 | 300 | 21 | 3.0 | #157 IPHAS | 2 | |
| 0098.HD180809.KOII | 60 | 10:21 | 19:16:22.0 | +38:08:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | for Sumin Tang |
| 0101.HD180809.KOII | 4 | 10:24 | 19:16:22.0 | +38:08:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0102.COMP | 10 | 10:25 | 19:16:22.0 | +38:08:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0104.HD188947.KOIII | 5 | 10:26 | 19:56:18.0 | +35:05:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0106.HD188947.KOIII | 1 | 10:27 | 19:56:18.0 | +35:05:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0107.COMP | 10 | 10:27 | 19:56:18.0 | +35:05:01 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0108.HD191046.KOII | 20 | 10:28 | 20:06:29.0 | +36:13:41 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0109.HD191046.KOII | 5 | 10:29 | 20:06:29.0 | +36:13:41 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0110.COMP | 10 | 10:29 | 20:06:29.0 | +36:13:41 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |

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| File | Exp Time | UT Start | RA | Dec | Gr. | P.A. | Slit | Program | Bin | Comments |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------|
| 0111.HD185144.KOV | 5 | 10:31 | 19:32:15.0 | +69:41:09 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0112.HD185144.KOV | 2 | 10:31 | 19:32:15.0 | +69:41:09 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0113.COMP | 10 | 10:32 | 19:32:15.0 | +69:41:09 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0114.HD198149.K0IV | 1 | 10:33 | 20:45:16.0 | +61:49:38 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0115.HD198149.K0IV | 1 | 10:33 | 20:45:16.0 | +61:49:38 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0116.COMP | 10 | 10:34 | 20:45:16.0 | +61:49:38 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0117.HD214369.K0I | 5 | 10:35 | 22:36:27.0 | +58:25:35 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0118.HD214369.K0I | 5 | 10:36 | 22:36:27.0 | +58:25:35 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0119.COMP | 10 | 10:36 | 22:36:27.0 | +58:25:35 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0123.HD207089.K0I | 1 | 10:44 | 21:46:04.0 | +22:56:56 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0124.HD207089.K0I | 1 | 10:45 | 21:46:04.0 | +22:56:56 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0125.COMP | 10 | 10:45 | 21:46:04.0 | +22:56:56 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0126.HD184467.K2V | 16 | 10:47 | 19:31:11.0 | +58:35:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0127.HD184467.K2V | 10 | 10:48 | 19:31:11.0 | +58:35:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0128.COMP | 10 | 10:49 | 19:31:11.0 | +58:35:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0129.HD206778.K2I | 1 | 10:50 | 21:44:11.0 | +09:52:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0130.HD206778.K2I | 1 | 10:50 | 21:44:11.0 | +09:52:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0131.COMP | 10 | 10:51 | 21:44:11.0 | +09:52:30 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0132.HD194317.K3III | 3 | 10:52 | 20:23:51.0 | +32:11:24 | 300 | 89 | 3.0 | #61 Luminosity | 2 | |
| 0133.HD194317.K3III | 8 | 10:52 | 20:23:51.0 | +32:11:24 | 300 | 89 | 3.0 | #61 Luminosity | 2 | previous comp ok |

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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> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0134-0143.BIAS | 0 | 11:02 | 20:23:51.0 | +32:11:24 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0144-0158.FLAT | 7 | 11:07 | 20:23:51.0 | +32:11:24 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |
| 0159-0168.DARK | 900 | 13:33 | 20:23:51.0 | +32:11:24 | 300 | 89 | 3.0 | #56 Spectropho | 2 | |