UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp Time | $\begin{aligned} & U T \\ & \text { Start } \end{aligned}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0001.DARK | 900 | 23:55 | 19:55:15.0 | 31:29:57 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0002. DARK | 900 | 23:55 | 20:10:22.0 | 31:29:55 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0003. BIAS | 0 | 23:55 | 20:10:52.0 | 31:29:55 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 | scattered clouds |
| 0004-0020.BIAS | 0 | 0:28 | 20:13:36.0 | 31:29:55 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0021-0026.FLAT | 8 | 0:30 | 20:15:37.0 | 31:29:55 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0027-0030.FLAT | 8 | 0:31 | 20:16:42.0 | 31:29:54 | 300 | 90 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0031-0040. BIAS | 0 | 0:36 | 20:21:38.0 | 31:29:54 | 300 | 90 | 3.0 | \#6 AGN Monitor | 2 |  |
| 0041-0043.FLAT | 16 | 0:38 | 20:23:56.0 | 31:29:54 | 300 | 90 | 3.0 | \#6 AGN Monitor | 2 |  |
| 0044-0050.FLAT | 16 | 0:42 | 20:27:24.0 | 31:29:53 | 300 | 90 | 3.0 | \#6 AGN Monitor | 2 |  |
| 0051. sky | 5 | 0:42 | 20:35:00 | 32:00:00 | 300 | 90 | 3.0 | \#57 Velocity S | 4 | Hi Susan! |
| 0052-0055.sky | 5 | 0:49 | 20:35:00 | 32:00:00 | 300 | 90 | 3.0 | \#57 Velocity S | 4 |  |
| 0056.COMP | 5 | 0:49 | 20:35:00 | 32:00:00 | 300 | 90 | 3.0 | \#57 Velocity S | 4 |  |
| 0057.HD192281 | 5 | 0:49 | 20:10:46.8 | 40:07:01 | 300 | 90 | 3.0 | \#56 Spectropho | 4 |  |
| 0058.HD192281 | 5 | 0:49 | 20:10:46.8 | 40:07:01 | 300 | 90 | 3.0 | \#56 Spectropho | 4 |  |
| 0059.HD192281 | 5 | 0:49 | 20:10:46.8 | 40:07:01 | 300 | 90 | 3.0 | \#56 Spectropho | 4 |  |
| 0060.COMP | 5 | 0:49 | 20:10:46.8 | 40:07:01 | 300 | 90 | 3.0 | \#56 Spectropho | 4 |  |
| 0061. MRK509 | 210 | 0:49 | 20:44:09.8 | $-10: 43: 24$ | 300 | 15 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0062. MRK509 | 210 | 0:49 | 20:44:09.8 | $-10: 43: 24$ | 300 | 15 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0063.COMP | 5 | 0:49 | 20:44:09.8 | $-10: 43: 24$ | 300 | 15 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0064.BDp284211 | 60 | 0:49 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | \#56 Spectropho | 2 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp Time | $\begin{aligned} & U T \\ & \text { Start } \end{aligned}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0065.BDp284211 | 60 | 0:49 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | \#56 Spectropho | 2 |  |
| 0066.COMP | 10 | 0:49 | 21:48:57.1 | 28:37:48 | 300 | 90 | 3.0 | \#56 Spectropho | 2 |  |
| 0067.SS433 | 240 | 0:49 | 19:11:49.6 | 04:58:58 | 300 | 90 | 3.0 | \#57 Velocity S | 4 |  |
| 0068.COMP | 5 | 0:49 | 19:11:49.6 | 04:58:58 | 300 | 90 | 3.0 | \#57 Velocity S | 4 |  |
| 0069.id1076 | 600 | 0:49 | 20:07:27.5 | 35:45:45 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 | close companions for the next 4 files |
| 0070.id2076 | 600 | 0:49 | 20:05:28.1 | 35:43:01 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 |  |
| 0071.COMP | 10 | 0:49 | 20:05:28.1 | 35:43:01 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 |  |
| 0072.id2097 | 480 | 0:49 | 20:05:54.9 | 35:55:56 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 |  |
| 0073.id75 | 600 | 0:49 | 20:06:05.8 | 35:43:44 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 |  |
| 0074.COMP | 10 | 0:49 | 20:06:05.8 | 35:43:44 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 2 |  |
| 0075.id1186 | 480 | 0:49 | 20:07:17.7 | 35:41:44 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0076.id1613 | 480 | 0:49 | 20:06:24.0 | 35:40:29 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0077 . COMP | 5 | 0:49 | 20:06:24.0 | 35:40:29 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0078.id1645 | 480 | 0:49 | 20:06:21.0 | 35:39:23 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0079.id1724 | 480 | 0:49 | 20:06:11.7 | 35:40:30 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0080.id2267 | 480 | 0:49 | 20:05:03.7 | 35:35:26 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0081. COMP | 5 | 0:49 | 20:05:03.7 | 35:35:26 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0082.id2839 | 600 | 0:49 | 19:58:48.6 | 35:19:26 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0083.id2470 | 600 | 0:49 | 20:04:22.3 | 35:48:21 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0084.COMP | 5 | 0:49 | 20:04:22.3 | 35:48:21 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp Time | $\underset{\text { Start }}{U T}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0085.id2569 | 480 | 0:49 | 20:04:03.7 | 35:52:40 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0086.id2731 | 600 | 0:49 | 19:59:27.7 | 35:10:56 | 300 | 90 | 3.0 | \#115 PMS NGC68 |  | clearing |
| 0087.COMP | 5 | 0:49 | 19:59:27.7 | 35:10:56 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0088.id2791 | 480 | 0:49 | 19:59:03.9 | 35:24:12 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0089.id2939 | 600 | 0:49 | 19:58:05.5 | 35:20:49 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0090.COMP | 5 | 0:49 | 19:58:05.5 | 35:20:49 | 300 | 90 | 3.0 | \#115 PMS NGC68 | 4 |  |
| 0091.sn2001fh | 1200 | 0:49 | 21:20:42.5 | +44:23:53 | 300 | 95 | 3.0 | \#2 SN Observat | 2 |  |
| 0092.COMP | 10 | 0:49 | 21:20:42.5 | +44:23:53 | 300 | 95 | 3.0 | \#2 SN Observat | 2 |  |
| 0093. ZAnd | 1 | 0:49 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | \#12 Symbiotic | 4 |  |
| 0094.ZAnd | 3 | 0:49 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | \#12 Symbiotic | 4 |  |
| 0095. ZAnd | 5 | 0:49 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | \#12 Symbiotic | 4 |  |
| 0096. ZAnd | 15 | 0:49 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | \#12 Symbiotic | 4 |  |
| 0097.COMP | 5 | 0:49 | 23:33:40 | 48:49:06 | 300 | 90 | 3.0 | \#12 Symbiotic | 4 |  |
| 0098.a119c_519 | 540 | 0:49 | 00:49:38.4 | 02:17:10 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0099.COMP | 5 | 0:49 | 00:49:38.4 | 02:17:10 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0100.a119c_525 | 1200 | 0:49 | 00:42:43.7 | 00:15:49 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0101. COMP | 5 | 0:49 | 00:42:43.7 | 00:15:49 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0102.a119c_528 | 900 | 0:49 | 00:43:21.7 | -2:14:25 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0103.COMP | 5 | 0:49 | 00:43:21.7 | -2:14:25 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0104.a119c_533 | 900 | 0:49 | 01:07:55.4 | -1:40:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp <br> Time | $\underset{\text { Start }}{U T}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0105.COMP | 5 | 0:49 | 01:07:55.4 | -1:40:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0106.a119c_538 | 900 | 0:49 | 00:47:50.4 | -4:17:51 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0107. COMP | 5 | 0:49 | 00:47:50.4 | -4:17:51 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0108.a119c_548 | 900 | 0:49 | 00:49:39.3 | -4:07:14 | 300 | 90 | 3.0 | \#64 Cluster In |  | moon is up |
| 0109.COMP | 5 | 0:49 | 00:49:39.3 | -4:07:14 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0110.a119c_555 | 1200 | 0:49 | 00:48:19.1 | -0:15:31 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0111.COMP | 5 | 0:49 | 00:48:19.1 | -0:15:31 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0112.a119c_556 | 720 | 0:49 | 00:51:16.8 | -4:29:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0113.COMP | 5 | 0:49 | 00:51:16.8 | -4:29:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0114.a119c_557 | 900 | 0:49 | 00:43:45.3 | -0:13:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0115.COMP | 5 | 0:49 | 00:43:45.3 | -0:13:35 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0116.a119c_565 | 720 | 0:49 | 00:46:17.2 | $-3: 25: 19$ | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0117.COMP | 5 | 0:49 | 00:46:17.2 | -3:25:19 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0118.a119c_567 | 480 | 0:49 | 00:52:06.4 | 02:26:47 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0119.COMP | 5 | 0:49 | 00:52:06.4 | 02:26:47 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0120.a168_295 | 300 | 0:49 | 01:14:42.0 | 3:42:04 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| 0121.COMP | 5 | 0:49 | 01:14:42.0 | 3:42:04 | 300 | 90 | 3.0 | \#64 Cluster In | 4 |  |
| $0122.133 \mathrm{vso}-25826$ | 300 | 0:49 | 05:00:01.0 | -01:34:57 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0123.134 \mathrm{vso}-27956$ | 300 | 0:49 | 05:03:03.0 | -01:25:04 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0124.COMP | 5 | 0:49 | 05:03:03.0 | -01:25:04 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp Time | $\begin{aligned} & \text { UT } \\ & \text { Start } \end{aligned}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $0125.135 \mathrm{vso}-29372$ | 360 | 0:49 | 05:05:07.8 | -01:32:02 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0126.COMP | 5 | 0:49 | 05:05:07.8 | -01:32:02 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0127.136 \mathrm{vso}-34603$ | 300 | 0:49 | 05:12:12.1 | -01:14:00 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0128.137 \mathrm{vso}-35119$ | 300 | 0:49 | 05:12:49.6 | -01:27:22 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0129.COMP | 5 | 0:49 | 05:12:49.6 | -01:27:22 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0130.138 \mathrm{vso}-40035$ | 300 | 0:49 | 05:19:18.7 | -01:13:55 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0131.139 \mathrm{vso}-40940$ | 300 | 0:49 | 05:20:18.1 | -01:35:19 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0132.COMP | 5 | 0:49 | 05:20:18.1 | -01:35:19 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0133.140 \mathrm{vso}-41915$ | 300 | 0:49 | 05:21:28.4 | -01:36:01 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0134.141 \mathrm{vso}-45712$ | 300 | 0:49 | 05:25:54.9 | -01:26:06 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0135.COMP | 5 | 0:49 | 05:25:54.9 | -01:26:06 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0136.142 \mathrm{vso}-47470$ | 300 | 0:49 | 05:27:49.6 | -01:29:52 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0137.143 \mathrm{vso}-47953$ | 300 | 0:49 | 05:28:20.2 | -01:11:12 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0138.COMP | 5 | 0:49 | 05:29:08.9 | -01:17:04 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0139.144 \mathrm{vso}-48667$ | 300 | 0:49 | 05:29:08.9 | -01:17:04 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0140.145 \mathrm{vso}-49892$ | 300 | 0:49 | 05:30:30.3 | -01:20:52 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0141.COMP | 5 | 0:49 | 05:30:30.3 | -01:20:52 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 | POWER FAILURE, lose 1 hour |
| 0142 . Akn120 | 180 | 0:49 | 05:13:38.0 | -00:12:15 | 300 | 0 | 3.0 | \#6 AGN Monitor |  | long story, mmts fault |
| 0143.COMP | 5 | 0:49 | 05:13:38.0 | -00:12:15 | 300 | 0 | 3.0 | \#6 AGN Monitor | 4 |  |
| 0144.70vso-42322 | 300 | 0:49 | 05:30:21.6 | -00:55:26 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp Time | $\underset{\text { Start }}{U T}$ | $R A$ | Dec | Gr. | P.A. | Slit | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0145.71 vso-42830 | 300 | 0:49 | 05:30:58.6 | -00:38:45 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0146.COMP | 5 | 0:49 | 05:30:58.6 | -00:38:45 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0147.72vso-42926 | 300 | 0:49 | 05:31:06.3 | -00:47:27 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0148.73vso-43069 | 300 | 0:49 | 05:31:18.5 | -00:41:06 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0149.COMP | 5 | 0:49 | 05:31:18.5 | -00:41:06 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0150.74 \mathrm{vso}-43188$ | 300 | 0:49 | 05:31:26.5 | -00:46:49 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0151.75vso-43911 | 300 | 0:49 | 05:32:06.5 | -00:41:49 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0152.COMP | 5 | 0:49 | 05:32:06.5 | -00:41:49 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0153.76 \mathrm{vso}-44062$ | 300 | 0:49 | 05:32:16.7 | -00:49:56 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0154.77 \mathrm{vso}-44282$ | 300 | 0:49 | 05:32:33.0 | -00:57:39 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0155.COMP | 5 | 0:49 | 05:32:33.0 | -00:57:39 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0156.78 \mathrm{vso}-44312$ | 300 | 0:49 | 05:32:34.9 | -00:37:13 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0157.79vso-44546 | 300 | 0:49 | 05:32:53.7 | -00:33:24 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0158.COMP | 5 | 0:49 | 05:32:53.7 | -00:33:24 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0159.80 \mathrm{vso}-44756$ | 300 | 0:49 | 05:33:09.1 | -00:55:31 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| $0160.81 \mathrm{vso}-45192$ | 300 | 0:49 | 05:33:33.0 | -00:46:22 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0161. COMP | 5 | 0:49 | 05:33:33.0 | -00:46:22 | 300 | 0 | 3.0 | \#112 Orion PMS | 4 |  |
| 0162.Hiltner600 | 60 | 0:49 | 06:42:37.2 | 02:11:25 | 300 | 0 | 3.0 | \#56 Spectropho | 2 |  |
| 0163.Hiltner600 | 60 | 0:49 | 06:42:37.2 | 02:11:25 | 300 | 0 | 3.0 | \#56 Spectropho | 2 |  |
| 0164.COMP | 10 | 0:49 | 06:42:37.2 | 02:11:25 | 300 | 0 | 3.0 | \#56 Spectropho | 2 |  |

UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0


UT Date 2001-11-08 Observers P Berlind
Coll. Focus 1000 Grating/Grism $\qquad$ 0

| File | Exp <br> Time | $\begin{gathered} U T \\ \text { Start } \end{gathered}$ | $R A$ | Dec | Gr. | P.A. | Slit |  | Program | Bir | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 0185.2M054748.0p503306 | 420 | 0:49 | 05:47:48.0 | +50:33:06 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0186.COMP | 5 | 0:49 | 05:47:48.0 | +50:33:06 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0187.2M054812.9p315322 | 480 | 0:49 | 05:48:12.9 | +31:53:22 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0188. COMP | 5 | 0:49 | 05:48:12.9 | +31:53:22 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0189.HD52971 | 4 | 0:49 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#57 V | Velocity S | 4 |  |
| 0190.HD52971 | 4 | 0:49 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#57 V | Velocity S | 4 |  |
| 0191. HD52971 | 4 | 0:49 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#57 V | Velocity S | 4 |  |
| 0192.COMP | 5 | 0:49 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#57 V | Velocity S | 4 |  |
| 0193.BIAS | 0 | 0:49 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 | thin clouds @ dawn |
| 0194-0202.BIAS | 0 | 12:59 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0203-0212.FLAT | 8 | 13:02 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |
| 0213-0222.BIAS | 0 | 13:07 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 2 |  |
| 0223-0232.FLAT | 16 | 13:12 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 2 |  |
| 0233-0242.DARK | 900 | 15:31 | 06:57:51 | +27:13:42 | 300 | 90 | 3.0 | \#68 | 2MASS Reds | 4 |  |

