Table 1. Known nearby stars from NLTT2

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 130-53* | LHS 1037 | 0:11:56.5 | 33:03:17 | 12.4 | 9.04 | 8.40 | 8.12 | 13.00 | 1.62 | 1.12 | 2.56 | 1 | ··· | | ··· | 1.55±0.30 | 7.49 | |
| 86- 67 | LHS 1049 | 0:15:43.4 | -67:59:35 | 13.8 | 8.85 | 8.24 | 7.96 | 12.50 | ··· | 1.07 | 2.39 | 10 | ··· | | M2.5 | 1.77±0.23 | 7.08 | |
| 86- 66* | LHS 1051 | 0:15:51.4 | -67:59:51 | 11.6 | 7.84 | 7.21 | 6.93 | 10.95 | ··· | | | 10 | ··· | | M0.5 | 1.52±0.23 | 6.32 | |
| 404- 80 | G 131-50 | 0:17:58.6 | 20:57:19 | 12.0 | 8.67 | 8.03 | 7.83 | 11.76 | ··· | 0.94 | 2.00 | 1 | ··· | | ··· | 2.42±0.30 | 6.25 | 1 |
| 881- 64** | GJ 2005 | 0:24:44.2 | -27:08:25 | 14.4 | 9.26 | 8.53 | 8.23 | 15.42 | ··· | 1.84 | 4.02 | 7 | 133±9 | 2 | M5.5 | -0.69±0.13 | 9.95 | triple |
| 825-288 | G 266-123 | 0:29:58.6 | -24:38:26 | 12.9 | 9.21 | 8.55 | 8.26 | 12.63 | 1.47 | ··· | ··· | 8 | ··· | | ··· | 2.28±0.41 | 6.93 | |
| G 172-11* | | 0:35:53.6 | 52:41:36 | 14.6 | 10.65 | 10.10 | 9.83 | 15.10 | ··· | 1.27 | 2.91 | 1 | 62±9 | 7 | ··· | 1.51±0.23 | 9.14 | |
| -34:239** | GJ 1016 | 0:41:30.5 | -33:37:31 | 10.8 | 7.70 | 7.08 | 6.86 | 10.58 | 1.43 | ··· | ··· | 2 | 50±2 | 1 | K7.0 | 1.49±0.08 | 6.21 | |
| 193-564* | | 0:48:58.2 | 44:35:09 | 12.3 | 9.14 | 8.47 | 8.23 | 13.06 | ··· | 1.14 | 2.61 | 1 | ··· | | M3.0 | 1.71±0.23 | 7.43 | 2 |
| 646- 77** | GJ 1025 | 1:00:56.3 | -4:26:57 | 12.8 | 9.06 | 8.51 | 8.23 | 13.32 | 1.73 | ··· | ··· | 3 | ··· | | M3.5 | 1.02±0.29 | 8.04 | |
| G 172-35 | | 1:02:53.4 | 47:03:03 | 13.4 | 9.38 | 8.76 | 8.56 | 12.74 | ··· | 1.01 | 2.21 | 1 | 31±11 | 7 | ··· | 2.73±0.29 | 6.65 | 3 |
| -68:47** | Gl 54 | 1:10:22.8 | -67:26:42 | 10.1 | 6.00 | 5.40 | 5.13 | 9.80 | 1.57 | ··· | ··· | 2 | 123±7 | 1 | M2.0 | -0.45±0.14 | 6.45 | |
| -14:249 | G 270-184 | 1:17:15.7 | -13:15:47 | 10.9 | 7.78 | 7.18 | 6.92 | 10.80 | 1.45 | ··· | ··· | 2 | 41±3 | 1 | ··· | 1.93±0.15 | 5.85 | |
| 827-203* | G 269-155 | 1:24:47.5 | -26:15:15 | 12.9 | 8.68 | 8.15 | 7.87 | 10.40 | 1.32 | ··· | ··· | 8 | ··· | | ··· | 3.67±0.41 | 5.01 | |
| -22:526** | G 274-57 | 1:32:26.3 | -21:54:17 | 11.3 | 7.96 | 7.35 | 7.08 | 11.16 | 1.49 | ··· | ··· | 2 | 56±2 | 1 | M1.0 | 1.24±0.07 | 6.72 | |
| 828- 87 | | 1:42:49.3 | -25:53:24 | 11.3 | 8.51 | 7.91 | 7.63 | 11.65 | 1.46 | ··· | ··· | 2 | 29±9 | 1 | ··· | 2.32±0.37 | 6.19 | |
| 709- 81 | Gl 81.1B | 1:57:11.1 | -10:14:52 | 11.2 | 8.45 | 7.78 | 7.59 | 11.20 | 1.40 | 0.90 | 1.79 | 9 | 29±9 | 1 | K7.0 | 2.44±0.23 | 6.01 | |
| 469- 42** | Gl 83.1 | 2:00:12.8 | 13:03:10 | 12.5 | 7.50 | 6.96 | 6.65 | 12.27 | 1.81 | 1.36 | 3.13 | 1 | 222±5 | 3 | M4.5 | -1.75±0.04 | 9.25 | |
| G 134-1** | Gl 84.2 | 2:06:57.2 | 45:11:04 | 10.5 | 7.43 | 6.80 | 6.61 | 10.29 | 1.49 | 0.90 | 1.81 | 1 | 55±7 | 4 | K7.0 | 1.43±0.20 | 6.00 | |
| 469-206** | LHS 1375 | 2:16:29.8 | 13:35:13 | 14.8 | 9.88 | 9.27 | 8.92 | 15.79 | 1.98 | ··· | ··· | 3 | 116±6 | 5 | M5.5 | -0.29±0.13 | 10.17 | |
| G 159-64 | | 2:25:42.9 | -1:14:26 | 13.3 | 9.72 | 9.12 | 8.82 | 13.53 | 1.57 | 1.09 | 2.47 | 1 | ··· | | ··· | 2.47±0.30 | 7.25 | |
| 771- 95** | LTT1445 | 3:01:51.1 | -16:35:30 | 11.1 | 7.14 | 6.57 | 6.28 | 10.40 | ··· | ··· | ··· | 2 | 93±38 | 1 | M3.5 | 0.06±0.26 | 7.08 | |
| 771- 96** | | 3:01:51.5 | -16:35:35 | 11.8 | 7.32 | 6.78 | 6.49 | 10.40 | ··· | ··· | ··· | 2 | 93±38 | 1 | M3.0 | 0.42±0.26 | 6.90 | 4 |
| 771- 72** | Gl 121.1 | 3:02:38.0 | -18:09:58 | 11.5 | 8.22 | 7.59 | 7.27 | 11.80 | 1.52 | 1.05 | 2.33 | 5 | 48±4 | 1 | M2.0 | 1.44±0.14 | 6.78 | |
| 652- 5 | G 77-25 | 3:07:33.8 | -3:58:16 | 11.0 | 7.97 | 7.35 | 7.14 | 10.86 | 1.41 | ··· | ··· | 2 | 17±4 | 1 | M0.0 | 2.33±0.25 | 5.64 | |
| -28:1030** | GJ 1054 A | 3:07:55.8 | -28:13:10 | 10.0 | 7.24 | 6.58 | 6.36 | 10.21 | ··· | ··· | ··· | 2 | 52±5 | 1 | M0.0 | 1.21±0.17 | 6.03 | |
| 652- 62 | G 77-28 | 3:11:04.9 | -4:36:35 | 13.5 | 9.43 | 8.79 | 8.51 | 13.13 | 1.49 | ··· | ··· | 16 | ··· | | ··· | 2.16±0.41 | 7.27 | |
| +37:748** | Gl 134 | 3:18:07.4 | 38:15:08 | 10.5 | 7.04 | 6.38 | 6.17 | 10.28 | 1.48 | 0.96 | 2.08 | 1 | 58±2 | 1 | M1.5 | 1.19±0.08 | 5.85 | |
| G 77-46** | Steph. 370 | 3:21:46.9 | -6:40:24 | 11.5 | 7.86 | 7.28 | 6.98 | 11.12 | 1.38 | 0.84 | 1.65 | 1 | 63±17 | 4 | M2.0 | 1.26±0.23 | 6.60 | |
| 91-140** | LHS 1572 | 3:38:10.0 | -68:56:46 | 12.0 | 8.20 | 7.61 | 7.37 | 11.95 | ··· | 1.08 | 2.41 | 10 | 61±17 | 4 | M2.5 | 1.02±0.23 | 7.18 | |
| G 160-19** | LHS 1582 | 3:43:22.0 | -9:33:51 | 13.6 | 9.81 | 9.18 | 8.87 | 14.59 | ··· | 1.32 | 3.03 | 1 | 66±14 | 4 | M4.5 | 0.84±0.24 | 8.97 | |
| W 1322** | Gl 157.1 | 3:59:53.5 | 26:05:23 | 12.3 | 8.73 | 8.06 | 7.81 | 12.62 | 1.52 | 1.11 | 2.54 | 1 | 44±7 | 4 | M3.0 | 1.47±0.20 | 7.26 | |
| R 587** | Gl 162 | 4:08:37.3 | 33:38:13 | 10.4 | 7.00 | 6.38 | 6.17 | 10.20 | 1.52 | 0.95 | 2.01 | 1 | 73±2 | 1 | M0.5 | 0.68±0.05 | 6.32 | |
| - 7:781B** | Gl 166 C | 4:15:21.7 | -7:39:17 | 10.6 | 6.74 | 6.28 | 5.97 | 11.17 | 1.67 | ··· | ··· | 3 | 198±8 | 1 | M4.5 | -1.58±0.04 | 8.32 | |
| 92- 38 | | 4:21:51.7 | -67:39:34 | 13.0 | 9.30 | 8.72 | 8.46 | 12.90 | ··· | 1.06 | 2.35 | 10 | ··· | | ··· | 2.40±0.30 | 6.90 | |
| L 374-6** | LHS 1668 | 4:24:56.2 | -40:02:46 | 13.4 | 9.55 | 9.00 | 8.69 | 14.10 | ··· | 1.33 | 3.03 | 10 | 60±18 | 4 | M3.0 | 0.88±0.24 | 8.67 | |
| 130- 37** | | 4:28:05.7 | -62:09:25 | 12.3 | 8.93 | 8.36 | 8.01 | 13.04 | 1.54 | ··· | ··· | 16 | ··· | | ··· | 1.00±0.41 | 7.93 | |

Table 1—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 8-41** | LHS 1681 | 4:33:33.9 | 20:44:46 | 13.8 | 9.75 | 9.22 | 8.94 | 14.60 | ··· | 1.39 | 3.17 | 10 | 64±13 | 4 | M4.0 | 0.83±0.24 | 8.92 | |
| 715- 52** | Gl 173 | 4:37:41.9 | -11:02:19 | 10.8 | 6.97 | 6.33 | 6.09 | 10.34 | 1.49 | 1.02 | 2.20 | 2 | 90±2 | 1 | M1.5 | 0.22±0.04 | 6.75 | |
| +18:683** | Gl 176 | 4:42:55.7 | 18:57:31 | 10.0 | 6.42 | 5.83 | 5.57 | 9.98 | 1.53 | 1.03 | 2.26 | 1 | 106±2 | 1 | M2.0 | -0.13±0.04 | 6.55 | |
| G 39-37 | LHS 1705 | 4:50:50.4 | 26:07:26 | 13.1 | 9.12 | 8.60 | 8.31 | 12.82 | 1.56 | 1.07 | 2.38 | 1 | 39±11 | 4 | M2.5 | 2.05±0.23 | 7.06 | |
| 716- 35 | GJ 3327 | 5:05:11.8 | -12:00:28 | 12.4 | 9.11 | 8.48 | 8.23 | 12.97 | 1.57 | 1.46 | 2.62 | 11 | 54±17 | 4 | M3.0 | 1.73±0.22 | 7.38 | |
| 57- 44* | LHS 1749 | 5:16:00.4 | -72:14:13 | 12.1 | 8.24 | 7.61 | 7.36 | 11.70 | 1.40 | ··· | ··· | 3 | 52±10 | 4 | M2.0 | 1.34±0.27 | 6.90 | |
| 658- 33* | LHS 1785 | 5:47:09.1 | -5:12:10 | 14.3 | 10.05 | 9.52 | 9.18 | 14.54 | 1.78 | ··· | ··· | 3 | 62±5 | 4 | M4.5 | 1.28±0.15 | 8.77 | |
| 57- 40** | LHS 213 | 6:00:46.5 | 68:08:30 | 13.1 | 9.19 | 8.58 | 8.32 | 13.32 | ··· | 1.16 | 2.67 | 1 | 50±2 | 4 | M4.0 | 1.53±0.11 | 7.66 | |
| 57- 41** | LHS 214 | 6:00:49.4 | 68:09:23 | 12.9 | 8.93 | 8.35 | 8.05 | 12.94 | ··· | 1.14 | 2.61 | 1 | 50±2 | 4 | M3.5 | 1.53±0.11 | 7.40 | |
| 95- 2 | Wo 9206 | 6:10:59.9 | -65:12:19 | 11.1 | 8.27 | 7.64 | 7.43 | 11.29 | 1.42 | 0.94 | 1.96 | 12 | 34±4 | 1 | M0.5 | 2.12±0.18 | 6.15 | |
| R 417* | Gl 231.3 | 6:19:20.8 | -6:39:21 | 12.6 | 9.12 | 8.54 | 8.23 | 13.05 | 1.62 | 1.12 | 2.54 | 1 | 68±19 | 4 | M3.0 | 1.56±0.19 | 7.56 | |
| L 381-4** | | 6:36:18.3 | -40:00:23 | 11.0 | 7.64 | 7.07 | 6.79 | 10.60 | 1.46 | ··· | ··· | 2 | 52±2 | 1 | ··· | 1.44±0.06 | 6.20 | |
| 32- 9** | | 6:33:43.4 | -75:37:48 | 10.8 | 6.74 | 6.14 | 5.86 | 10.35 | ··· | ··· | ··· | 2 | 114±3 | 1 | ··· | -0.29±0.06 | 7.03 | |
| R 419 | LHS 1867 | 6:46:07.5 | 32:33:14 | 12.2 | 8.99 | 8.41 | 8.21 | 12.15 | 1.53 | 0.97 | 2.04 | 1 | 40±1 | 1 | M0.5 | 1.99±0.07 | 7.00 | 5 |
| 122- 59** | LHS 224 | 7:03:55.7 | 52:42:07 | 12.9 | 8.54 | 8.09 | 7.78 | 13.29 | ··· | 1.35 | 3.15 | 1 | 109±2 | 4 | M5.0 | -0.19±0.08 | 8.73 | |
| - 2:2198 ** | | 7:36:07.1 | -3:06:38 | 10.6 | 6.81 | 6.14 | 5.94 | 9.87 | 1.46 | ··· | ··· | 2 | 70±2 | 1 | ··· | 0.78±0.05 | 6.03 | |
| 763- 1** | LHS 1935 | 7:38:40.9 | -21:13:27 | 11.8 | 7.89 | 7.34 | 7.06 | 11.72 | 1.61 | 1.10 | 2.48 | 1 | 92±3 | 1 | M3.0 | 0.18±0.07 | 7.71 | |
| R 391 | GJ 1100 | 7:47:03.1 | -13:56:18 | 11.8 | 8.53 | 7.94 | 7.73 | 11.50 | 1.38 | ··· | ··· | 2 | 34±3 | 1 | M0.0 | 2.35±0.15 | 6.18 | |
| 603- 1** | GJ 1103 A | 7:51:54.7 | -0:00:11 | 13.0 | 8.52 | 7.92 | 7.66 | 13.22 | ··· | 1.32 | 3.05 | 1 | 114±3 | 7 | M4.5 | -0.28±0.06 | 8.80 | |
| 898- 1** | L601-78 AB | 7:54:54.8 | -29:20:56 | 13.4 | 8.27 | 7.68 | 7.34 | 12.85 | ··· | 1.31 | 3.00 | 10 | 80±18 | 4 | M4.0 | -0.19±0.22 | 8.46 | |
| -39:3869** | Gl 296 | 8:00:02.1 | -40:02:21 | 10.3 | 7.04 | 6.46 | 6.27 | 9.65 | 1.33 | 0.83 | 1.61 | 5 | 59±22 | 4 | K7.0 | 1.24±0.22 | 5.80 | |
| 784- 12 | | 8:02:03.4 | -17:10:18 | 11.5 | 8.19 | 7.61 | 7.36 | 11.34 | 1.48 | ··· | ··· | 2 | 35±4 | 1 | ··· | 2.15±0.21 | 6.04 | |
| +21:1764B** | LHS 5134 | 8:08:13.7 | 21:06:09 | 10.6 | 7.30 | 6.71 | 6.47 | 11.00 | ··· | ··· | ··· | 3 | 58±3 | 1 | M2.5 | 1.17±0.10 | 6.13 | 6 |
| 17-113** | | 8:13:44.6 | 79:18:11 | 14.6 | 10.00 | 9.41 | 9.14 | 14.80 | ··· | 1.36 | 3.14 | 1 | ··· | | ··· | 0.80±0.30 | 9.20 | |
| 843- 1** | Gl 300 | 8:12:40.9 | -21:33:05 | 11.4 | 7.62 | 6.96 | 6.70 | 12.11 | 1.59 | 1.25 | 2.87 | 5 | 17±2 | 4 | M4.0 | -1.01±0.15 | 8.63 | |
| -13:2439** | Gl 301 A | 8:13:08.5 | -13:55:00 | 9.9 | 6.61 | 6.03 | 5.80 | 9.38 | 1.39 | ··· | ··· | 2 | 46±4 | 1 | K7. | 1.21±0.15 | 5.40 | |
| 843- 17 | V430 Pup | 8:15:40.1 | -26:00:35 | 11.5 | 7.62 | 7.06 | 6.86 | 10.10 | 1.25 | ··· | ··· | 2 | 32±2 | 1 | ··· | 2.49±0.11 | 5.13 | |
| 35-347** | USNO 710 | 8:25:52.9 | 69:02:01 | 15.5 | 10.10 | 9.47 | 9.17 | 15.67 | 2.04 | ··· | ··· | 13 | 80±7 | 5 | ··· | 0.41±0.17 | 9.69 | |
| 35-220 | G 252-12 | 8:31:17.2 | 72:37:31 | 12.8 | 9.11 | 8.47 | 8.28 | 12.57 | ··· | 1.03 | 2.26 | 0 | ··· | | ··· | 2.39±0.30 | 6.72 | |
| 60-100 | LHS 2038 | 8:41:03.9 | 67:39:38 | 14.1 | 10.25 | 9.69 | 9.40 | 14.66 | ··· | 1.25 | 2.85 | 1 | 42±6 | 5 | ··· | 1.90±0.22 | 8.35 | |
| 90-134** | G 195-22 | 9:17:46.0 | 58:25:22 | 14.2 | 10.27 | 9.73 | 9.41 | 15.12 | ··· | 1.37 | 3.17 | 1 | 65±6 | 4 | M4.5 | 1.11±0.15 | 9.16 | |
| VM27** | Gl 340B | 9:17:40.1 | 28:33:20 | 13.7 | 9.87 | 9.32 | 9.02 | 13.66 | ··· | 1.08 | 2.42 | 1 | 58±4 | 4 | ··· | 1.18±0.15 | 8.69 | |
| Grw +70:433** | Gl 360 | 9:42:35.0 | 70:02:02 | 10.6 | 6.93 | 6.35 | 6.09 | 10.58 | 1.50 | 1.05 | 2.34 | 1 | 85±3 | 1 | M2.0 | 0.35±0.08 | 6.59 | |
| 37- 75* | GJ 1131 | 10:07:59.5 | 69:14:45 | 14.4 | 10.08 | 9.55 | 9.30 | 14.35 | ··· | 1.23 | 2.81 | 1 | 56±7 | 4 | M4.0 | 1.63±0.13 | 8.45 | |
| +31:2240B** | Gl 414 B | 11:11:02.5 | 30:26:41 | 10.0 | 6.60 | 5.99 | 5.74 | 9.98 | 1.49 | 0.99 | 2.15 | 1 | 84±4 | 1 | M1.5 | 0.38±0.02 | 6.22 | |
| F 31A** | Gl 414.1A | 11:11:19.8 | 43:25:03 | 11.2 | 7.29 | 6.71 | 6.49 | 10.88 | 1.53 | 1.06 | 2.39 | 1 | 59±4 | 1 | M2.5 | 1.03±0.09 | 6.26 | |
| F 31B** | Gl 414.1B | 11:11:19.5 | 43:25:02 | 11.5 | 7.39 | 6.74 | 6.55 | 10.92 | 1.63 | ··· | ··· | 2 | 59±4 | 1 | M2.5 | 1.15±0.15 | 6.24 | |

Table 1—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R 1003** | GJ 1148 | 11:41:44.7 | 42:45:07 | 11.5 | 7.63 | 7.09 | 6.83 | 11.92 | 1.52 | 1.18 | 2.74 | 1 | 91±3 | 1 | M4.0 | 0.21±0.07 | 7.42 | |
| 319- 75** | Gl 436 | 11:42:11.0 | 26:42:25 | 10.8 | 6.91 | 6.32 | 6.08 | 10.65 | 1.52 | 1.07 | 2.41 | 1 | 98±2 | 1 | M2.5 | 0.05±0.05 | 6.86 | |
| +36:2219** | Gl 450 | 11:51:07.4 | 35:16:18 | 10.6 | 6.44 | 5.82 | 5.62 | 9.72 | 1.50 | 0.94 | 2.08 | 6 | 117±1 | 1 | M1.0 | -0.34±0.03 | 6.78 | |
| 673- 42* | Gl 452 A | 11:53:16.1 | -7:22:27 | 11.6 | 8.26 | 7.70 | 7.43 | 11.89 | 1.53 | 1.06 | 2.35 | 1 | 49±3 | 1 | M2.5 | 1.57±0.13 | 6.69 | |
| W 422 | | 12:32:55.8 | 12:11:34 | 13.1 | 9.46 | 8.84 | 8.57 | 13.21 | 1.57 | 1.09 | 2.45 | 1 | ··· | | ··· | 2.30±0.30 | 7.16 | |
| 321- 96 | | 12:41:43.0 | 26:14:38 | 18.3 | 11.12 | 10.52 | 10.31 | 14.08 | ··· | 0.95 | 1.90 | 1 | ··· | | ··· | 5.05±0.30 | 6.07 | |
| +36:2322B** | Gl 490 B | 12:57:39.4 | 35:13:19 | 13.4 | 8.84 | 8.27 | 8.00 | 13.20 | 1.64 | ··· | ··· | 3 | 55±3 | 1 | M4.0 | 1.29±0.11 | 7.55 | |
| 322-628** | LHS 2674a | 13:06:50.3 | 30:50:54 | 14.9 | 10.23 | 9.65 | 9.34 | 15.58 | 1.76 | ··· | 3.47 | 4 | ··· | | M5.0 | 0.58±0.16 | 9.65 | |
| 322-936** | Sand. 232 | 13:11:21.6 | 28:32:41 | 15.0 | 10.83 | 10.27 | 9.96 | 15.92 | 1.91 | ··· | 3.34 | 4 | ··· | | ··· | 1.38±0.30 | 9.45 | |
| R 486A** | Gl 512 A | 13:28:21.1 | -2:21:36 | 11.4 | 7.50 | 6.91 | 6.64 | 11.42 | 1.49 | 1.10 | 2.49 | 5 | 71±2 | 1 | M3.0 | 0.76±0.07 | 6.74 | |
| R 486B** | Gl 512 B | 13:28:21.5 | -2:21:31 | 13.3 | 9.22 | 8.57 | 8.32 | 13.69 | 1.64 | 1.27 | 2.91 | 5 | 71±2 | 1 | M4.0 | 0.76±0.07 | 8.46 | |
| 323-158** | G165-8 | 13:31:46.6 | 29:16:36 | 12.9 | 7.62 | 7.03 | 6.70 | 11.95 | 1.57 | 1.22 | 2.82 | 1 | 0.126±5 | 6 | M4.0 | -0.50±0.09 | 8.12 | |
| 323-169** | | 13:32:39.1 | 30:59:06 | 13.7 | 9.62 | 9.06 | 8.72 | 14.45 | ··· | ··· | 3.03 | 11 | ··· | | ··· | 0.47±0.30 | 9.15 | |
| 65-494 | | 13:32:00.0 | 66:36:00 | 13.5 | 9.90 | 9.38 | 9.05 | 14.05 | ··· | 1.20 | 2.71 | 1 | ··· | | ··· | 2.20±0.30 | 7.70 | |
| 323-239* | LHS 358 | 13:41:11.7 | 30:01:26 | 16.5 | 11.22 | 10.75 | 10.46 | 15.83 | 1.75 | ··· | ··· | 3 | 48±2 | 7 | M4.5 | 1.59±0.09 | 9.63 | |
| 66-274** | LHS 2819 | 13:52:50.6 | 66:49:06 | 15.1 | 10.51 | 9.94 | 9.64 | 15.69 | 1.90 | ··· | ··· | 3 | ··· | | M5.0 | 0.95±0.17 | 9.56 | |
| - 1:2892** | Gl 536 | 14:01:03.2 | -2:39:18 | 10.1 | 6.48 | 5.93 | 5.67 | 9.71 | 1.48 | 0.96 | 2.06 | 1 | 98±2 | 1 | M1.0 | 0.04±0.04 | 6.44 | |
| 40-299 | | 14:08:50.3 | 73:16:29 | 18.4 | 10.85 | 10.38 | 10.08 | 15.45 | ··· | 1.32 | 3.01 | 1 | ··· | | ··· | 2.05±0.30 | 8.80 | |
| 98- 79** | LHS 2930 | 14:30:37.8 | 59:43:25 | 18.3 | 10.77 | 10.12 | 9.76 | 17.88 | ··· | ··· | 4.57 | 6 | 103±2 | 4 | M5.5 | -0.07±0.02 | 10.84 | |
| 221-179 | | 14:34:14.5 | 39:40:55 | 14.1 | 10.01 | 9.47 | 9.21 | 13.92 | ··· | 1.11 | 2.51 | 1 | ··· | | ··· | 2.69±0.30 | 7.32 | |
| 67-339 | | 15:14:46.8 | 64:33:43 | 14.0 | 9.78 | 9.26 | 8.98 | 13.98 | 1.86 | 1.23 | 2.78 | 1 | ··· | | ··· | 2.06±0.30 | 7.72 | |
| G 224-65** | | 15:23:51.4 | 58:28:06 | 14.2 | 9.92 | 9.31 | 9.07 | 14.31 | ··· | ··· | 2.86 | 11 | ··· | | ··· | 1.49±0.32 | 8.43 | |
| BD+57:1590B | | 15:29:09.4 | 57:24:41 | 12.3 | 8.83 | 8.23 | 8.00 | 12.8: | ··· | ··· | ··· | | 23±1 | 1 | ··· | -3.17±0.06 | 5.66 | |
| 917- 1** | L626-41 | 16:14:22.0 | -28:30:36 | 14.0 | 8.94 | 8.36 | 8.12 | 12.96 | ··· | 1.17 | 2.67 | 10 | ··· | | M3.5 | 1.16±0.24 | 7.78 | |
| -24:12677** | Gl 620 | 16:23:07.7 | -24:42:34 | 10.6 | 7.27 | 6.59 | 6.39 | 10.22 | 1.46 | 0.99 | 1.93 | 1 | 60±2 | 1 | M0.0 | 1.13±0.07 | 6.14 | |
| -31:13358** | HD 152606 | 16:55:38.0 | -32:04:03 | 9.6 | 6.89 | 6.23 | 6.03 | 9.58 | 1.38 | ··· | ··· | 2 | 54±2 | 1 | ··· | 1.36±0.07 | 5.53 | |
| -34:11626C** | Gl 667 C | 17:18:58.7 | -34:59:48 | 9.7 | 6.86 | 6.35 | 6.05 | 10.26 | 1.57 | 0.90 | 2.12 | 6 | 140±9 | 4 | M1.5 | -0.73±0.14 | 7.59 | |
| 920- 1 | Gl 672.1 | 17:23:49.2 | -32:15:15 | 11.9 | 8.38 | 7.80 | 7.48 | 11.64 | 1.47 | ··· | ··· | 2 | 43±4 | 1 | M1.5 | 1.81±0.17 | 6.57 | |
| +61:1678C** | Gl 685 | 17:35:34.5 | 61:40:53 | 10.2 | 6.85 | 6.26 | 6.04 | 9.97 | 1.47 | 0.94 | 1.96 | 1 | 71±1 | 1 | M0.5 | 0.75±0.02 | 6.10 | |
| L 414-103** | LHS 3317 | 17:42:43.8 | -41:01:08 | 13.2 | 8.57 | 7.86 | 7.63 | 12.55 | ··· | 1.13 | 2.55 | 10 | 21±19 | 7 | M3.0 | 1.07±0.23 | 7.50 | |
| 808- 1 | Gl 690.1 | 17:42:32.3 | -16:38:23 | 13.0 | 9.44 | 8.88 | 8.65 | 13.05 | ··· | 1.03 | 2.32 | 1 | 51±7 | 4 | M2.5 | 2.11±0.19 | 7.33 | |
| 44- 37 | | 17:39:28.4 | 69:28:02 | 14.8 | 11.02 | 10.44 | 10.13 | 15.78 | 1.46 | 1.41 | 3.07 | 14 | ··· | | ··· | 1.87±0.30 | 9.15 | |
| -32:13297** | GJ 2130A | 17:46:12.8 | -32:06:08 | 10.7 | 7.13 | 6.52 | 6.22 | 10.49 | 1.46 | ··· | ··· | 2 | 68±8 | 1 | ··· | 0.65±0.22 | 6.48 | |
| 102-320 | LHS 3339 | 17:55:33.4 | 58:24:26 | 17.1 | 11.80 | 11.23 | 10.85 | 17.98 | ··· | ··· | 3.96 | 6 | 47±1 | 4 | M6.0 | 1.66±0.07 | 10.14 | |
| G 155-1** | GJ 1224 | 18:07:32.9 | -15:57:46 | 13.8 | 8.67 | 8.11 | 7.85 | 13.61 | ··· | 1.39 | 3.17 | 1 | 133±5 | 4 | M4.5 | -0.61±0.09 | 9.28 | |
| W 835 | G 183-33 | 18:15:43.6 | 18:56:20 | 11.0 | 7.75 | 7.17 | 6.96 | 10.84 | 1.50 | 0.94 | 1.95 | 1 | 43±2 | 1 | M0.0 | 1.83±0.11 | 5.92 | |
| +45:2688** | Gl 709 | 18:16:31.1 | 45:33:27 | 10.9 | 7.26 | 6.65 | 6.44 | 10.31 | 1.43 | ··· | ··· | 2 | 58±1 | 1 | M0.5 | 1.16±0.02 | 6.11 | |

Table 1—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| +24:3411 | G 183-41 | 18:25:04.8 | 24:38:05 | 11.4 | 7.83 | 7.17 | 6.97 | 10.79 | 1.61 | 0.92 | 1.87 | 1 | 46±2 | 1 | M0.0 | 1.69±0.07 | 6.14 | |
| G 155-26 | | 18:35:26.4 | -19:43:48 | 14.6 | 9.51 | 8.97 | 8.68 | 13.40 | ··· | 1.09 | 2.45 | 10 | ··· | | ··· | 2.16±0.30 | 7.35 | |
| R 149** | G 141-21 | 18:36:19.2 | 13:36:26 | 12.6 | 8.21 | 7.59 | 7.36 | 12.46 | ··· | 1.21 | 2.77 | 1 | ··· | | M4.0 | 0.04±0.24 | 8.17 | |
| G 155-29** | GJ 2138 | 18:38:44.7 | -14:29:25 | 12.6 | 7.68 | 7.07 | 6.85 | 11.28 | 1.56 | ··· | ··· | 2 | 79±3 | 1 | M2.5 | 0.53±0.08 | 7.15 | |
| 751- 15** | G 155-42 | 18:48:01.3 | -14:34:50 | 12.4 | 8.33 | 7.80 | 7.53 | 12.13 | 1.51 | ··· | ··· | 3 | ··· | | M2.5 | 1.21±0.27 | 7.12 | |
| R 154** | Gl 729 | 18:49:49.3 | -23:50:10 | 11.0 | 6.20 | 5.64 | 5.36 | 10.43 | 1.75 | 1.15 | 2.68 | 1 | 336±2 | 1 | M3.5 | -2.63±0.00 | 8.83 | |
| 811- 17 | | 18:57:32.6 | -19:02:46 | 11.1 | 7.80 | 7.22 | 6.99 | 10.67 | 1.44 | ··· | ··· | 2 | 42±4 | 1 | ··· | 1.89±0.19 | 5.91 | |
| 336- 6** | Gl 747 AB | 19:07:42.8 | 32:32:39 | 11.6 | 7.24 | 6.65 | 6.40 | 11.26 | 1.71 | 1.16 | 2.61 | 1 | ··· | | M3.0 | -0.40±0.02 | 7.64 | |
| G 185-8 | | 19:09:11.2 | 22:06:49 | 13.7 | 9.95 | 9.45 | 9.22 | 13.40 | ··· | 1.23 | 2.26 | 10 | ··· | | ··· | 3.32±0.30 | 6.63 | |
| 452- 2** | GJ 1232 | 19:09:51.0 | 17:40:07 | 14.1 | 8.78 | 8.18 | 7.86 | 13.50 | ··· | 1.33 | 3.04 | 1 | 94±4 | 4 | M4.5 | 0.14±0.09 | 8.64 | |
| R 733** | Wo 9652 A | 19:14:39.2 | 19:19:02 | 11.5 | 7.56 | 7.01 | 6.81 | 11.59 | 1.42 | 1.11 | 2.55 | 1 | 52±3 | 1 | M3.5 | 1.40±0.11 | 6.16 | |
| R 734** | Wo 9652 B | 19:14:39.3 | 19:18:22 | 13.4 | 9.10 | 8.56 | 8.34 | 13.28 | 1.51 | 1.18 | 2.71 | 1 | 52±3 | 1 | M3.5 | 1.40±0.11 | 7.70 | |
| 692- 15** | Gl 754.1B | 19:20:33.5 | -7:39:43 | 12.1 | 8.23 | 7.65 | 7.40 | 12.12 | 1.63 | ··· | ··· | 3 | 89±7 | 1 | M2.5 | 0.03±0.10 | 8.20 | |
| 452- 1** | GJ 1235 | 19:21:38.9 | 20:52:07 | 13.8 | 8.83 | 8.24 | 7.93 | 13.37 | ··· | 1.28 | 2.93 | 1 | 100±4 | 7 | M4.5 | 0.00±0.08 | 8.83 | |
| R 163 | Gl 756 | 19:21:51.3 | 28:39:57 | 11.6 | 8.35 | 7.76 | 7.55 | 11.53 | 1.42 | 0.91 | 2.03 | 6 | 39±7 | 1 | M1.5 | 1.80±0.18 | 6.55 | |
| G 207-30 | LHS 3459 | 19:22:40.9 | 29:26:02 | 14.9 | 10.75 | 10.24 | 9.99 | 15.35 | ··· | 1.30 | 3.02 | 1 | 48±6 | 4 | M4.5 | 1.86±0.14 | 8.89 | |
| R 164** | G 185-22 | 19:25:08.5 | 28:21:13 | 13.2 | 8.45 | 7.86 | 7.56 | 12.48 | 1.56 | ··· | ··· | 3 | ··· | | M3.0 | 0.85±0.27 | 7.60 | |
| 452- 10** | LTT15678 | 19:26:49.4 | 16:43:01 | 12.8 | 9.01 | 8.36 | 8.16 | 13.09 | ··· | 1.17 | 2.66 | 1 | ··· | | M3.0 | 1.47±0.23 | 7.54 | |
| G 208-25 | | 19:27:17.5 | 42:31:53 | 14.3 | 10.46 | 9.90 | 9.62 | 13.67 | 1.37 | ··· | ··· | 13 | ··· | | ··· | 4.07±0.41 | 6.39 | |
| G 92-5 | | 19:29:44.9 | -1:56:27 | 13.8 | 10.00 | 9.47 | 9.24 | 13.67 | 1.37 | ··· | ··· | 13 | ··· | | ··· | 3.17±0.41 | 6.83 | |
| G 125-14 | | 19:31:11.7 | 36:08:14 | 14.9 | 10.91 | 10.41 | 10.14 | 14.16 | 1.50 | ··· | ··· | 8 | ··· | | ··· | 4.64±0.41 | 6.27 | |
| R 1063 ** | G 125-18 | 19:33:39.4 | 39:31:37 | 12.2 | 8.11 | 7.55 | 7.32 | 11.70 | ··· | 1.04 | 2.31 | 1 | ··· | | M1.5 | 1.26±0.23 | 6.85 | |
| R 741 | G 92-13 | 19:35:55.1 | -1:05:39 | 12.9 | 9.38 | 8.72 | 8.51 | 12.04 | 2.06 | ··· | ··· | 0 | ··· | | ··· | 3.53±0.41 | 5.85 | |
| G 125-27 | LHS 3478 | 19:41:27.8 | 32:39:51 | 14.5 | 10.29 | 9.78 | 9.57 | 13.85 | 1.46 | ··· | ··· | 17 | 31±4 | 5 | ··· | 3.31±0.27 | 6.98 | |
| 337- 3** | G 125-30 | 19:45:49.7 | 32:23:13 | 11.5 | 7.56 | 7.01 | 6.76 | 10.86 | ··· | 0.97 | 2.10 | 1 | 88±5 | 1 | M1.0 | 0.29±0.11 | 7.27 | |
| 338- 2** | USNO 561 | 19:50:02.5 | 32:35:01 | 12.7 | 8.60 | 8.00 | 7.80 | 12.42 | 1.60 | 1.08 | 2.43 | 1 | 58±5 | 3 | M2.5 | 1.29±0.15 | 7.31 | |
| 338- 4 | G 125-36 | 19:50:15.9 | 31:46:59 | 13.0 | 9.16 | 8.56 | 8.32 | 12.88 | ··· | 1.07 | 2.41 | 1 | ··· | | M2.5 | 2.03±0.23 | 7.13 | |
| G 208-42** | GJ 1243 | 19:51:09.3 | 46:28:59 | 13.4 | 8.58 | 8.05 | 7.75 | 12.83 | 1.64 | ··· | ··· | 3 | 84±3 | 4 | M4.0 | 0.38±0.04 | 8.20 | |
| 282- 7* | G 125-42 | 19:53:32.7 | 34:08:28 | 11.8 | 8.29 | 7.63 | 7.43 | 11.63 | ··· | 0.97 | 2.11 | 1 | ··· | | M1.5 | 1.62±0.22 | 6.67 | |
| 338- 6 | G 125-43 | 19:54:02.6 | 32:33:52 | 12.7 | 8.92 | 8.24 | 8.02 | 12.43 | ··· | 1.01 | 2.25 | 1 | ··· | | M2.0 | 2.02±0.23 | 6.90 | |
| GJ 1245** | GJ 1245 Aa | 19:53:54.4 | 44:24:54 | 13.6 | 7.82 | 7.20 | 6.85 | 13.41 | ··· | 1.59 | 3.63 | 1 | 212±6 | 4 | M5.5 | -1.63±0.06 | 9.45 | |
| ** | GJ 1245 B | 19:53:55.1 | 44:24:55 | 14.3 | 8.31 | 7.73 | 7.38 | 14.01 | ··· | 1.65 | 3.74 | 1 | 212±6 | 4 | M5.5 | -1.63±0.06 | 9.94 | |
| 338- 3 | USNO 74 | 19:55:19.8 | 30:29:50 | 13.3 | 9.34 | 8.76 | 8.55 | 12.94 | 1.54 | 1.04 | 2.33 | 1 | 34±3 | 3 | ··· | 2.38±0.15 | 6.96 | |
| G 92-43 | | 19:57:40.5 | -3:27:26 | 13.9 | 9.43 | 8.81 | 8.61 | 12.61 | 2.01 | ··· | ··· | 15 | ··· | | ··· | 3.13±0.41 | 6.30 | |
| 338- 1 | | 20:00:27.8 | 27:26:46 | 13.8 | 9.54 | 8.96 | 8.73 | 13.22 | 1.64 | 1.07 | 2.41 | 1 | ··· | | ··· | 2.55±0.30 | 6.99 | |
| +29:3872B** | Gl 777 B | 20:03:26.5 | 29:52:00 | 14.6 | 9.57 | 9.00 | 8.75 | 14.35 | 1.64 | 1.33 | 3.11 | 6 | 63±6 | 1 | M4.5 | 1.01±0.02 | 8.56 | |
| 634- 18 | G 24-5 | 20:07:57.5 | -1:32:27 | 13.5 | 9.59 | 8.99 | 8.75 | 13.55 | 1.62 | ··· | ··· | 3 | ··· | | M3.0 | 2.18±0.27 | 7.41 | |

Table 1—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 125-62** | GJ 1250 | 20:08:17.9 | 33:18:12 | 14.6 | 10.02 | 9.42 | 9.08 | 14.88 | 1.82 | ··· | ··· | 3 | 47±9 | 4 | M4.5 | 0.94±0.16 | 9.08 | |
| 634- 20 | | 20:11:06.6 | -2:30:10 | 13.4 | 9.60 | 9.00 | 8.79 | 13.51 | 1.90 | ··· | ··· | 15 | ··· | | ··· | 2.28±0.41 | 7.32 | |
| +15:4074B | Gl 783.2B | 20:11:13.3 | 16:11:07 | 14.1 | 9.63 | 9.11 | 8.90 | 13.94 | 1.62 | ··· | ··· | 3 | 49±1 | 1 | M4.0 | 1.56±0.04 | 8.07 | |
| 284- 7 | G 209-38 | 20:36:46.0 | 38:50:33 | 13.5 | 9.29 | 8.71 | 8.48 | 13.35 | ··· | 1.17 | 2.65 | 1 | ··· | | M3.5 | 1.77±0.23 | 7.52 | |
| +19:4484B | Gl 797 B | 20:40:44.5 | 19:54:02 | 12.3 | 8.17 | 7.62 | 7.42 | 11.88 | 1.55 | ··· | ··· | 3 | 48±1 | 1 | M2.5 | 1.61±0.02 | 6.56 | |
| +19:4499** | Gl 804 | 20:44:22.0 | 19:45:00 | 10.4 | 7.41 | 6.75 | 6.56 | 10.35 | 1.45 | 0.92 | 1.90 | 1 | 50±2 | 1 | M0.0 | 1.49±0.07 | 5.91 | |
| 340-261 | | 20:45:02.2 | 32:53:49 | 12.4 | 8.85 | 8.27 | 8.04 | 11.82 | ··· | 0.91 | 1.87 | 1 | ··· | | ··· | 2.77±0.30 | 6.08 | |
| +44:3567** | Gl 806 | 20:45:04.0 | 44:29:56 | 10.3 | 7.35 | 6.77 | 6.54 | 10.77 | 1.55 | 1.01 | 2.20 | 1 | 80±2 | 1 | M1.5 | 0.48±0.04 | 6.87 | |
| G 210-38 | USNO 356 | 20:51:01.5 | 39:55:42 | 12.6 | 9.04 | 8.48 | 8.27 | 12.75 | 1.47 | 1.05 | 2.39 | 1 | 31±4 | 3 | ··· | 2.29±0.21 | 6.75 | |
| R 193** | Gl 812 A | 20:56:48.5 | -4:50:48 | 11.0 | 7.80 | 7.32 | 7.04 | 11.96 | 1.53 | 1.15 | 2.68 | 6 | 57±4 | 1 | M4.0 | 0.53±0.13 | 7.27 | |
| F 54** | Gl 815 A | 21:00:05.3 | 40:04:13 | 10.9 | 6.67 | 6.09 | 5.86 | 10.15 | 1.55 | 1.01 | 2.19 | 1 | 66±2 | 1 | M1.5 | 0.90±0.07 | 5.77 | |
| G 212-26 | | 21:10:57.4 | 46:57:57 | 13.2 | 9.67 | 9.04 | 8.77 | 13.38 | ··· | 1.07 | 2.43 | 1 | ··· | | ··· | 2.56±0.30 | 7.11 | |
| G 212-56 | | 21:44:54.0 | 44:17:09 | 11.3 | 8.10 | 7.44 | 7.25 | 11.40 | 1.50 | 0.99 | 2.15 | 1 | 37±2 | 1 | ··· | 2.16±0.15 | 5.94 | |
| G 18-1* | LHS 3722 | 21:51:17.4 | 12:50:30 | 13.3 | 9.36 | 8.84 | 8.56 | 13.50 | 1.51 | 1.14 | 2.64 | 1 | 38±5 | 4 | M4.0 | 1.60±0.19 | 7.76 | |
| 356-105** | Wo 9780 | 22:25:05.0 | -47:52:46 | 12.3 | 8.36 | 7.71 | 7.46 | 12.51 | 1.60 | 1.20 | 2.69 | 12 | ··· | | M3.5 | 0.36±0.24 | 8.00 | |
| G 232-69** | GJ 1268 | 22:24:55.9 | 52:00:18 | 14.8 | 10.17 | 9.56 | 9.28 | 14.94 | 1.81 | ··· | ··· | 3 | 63±5 | 4 | M4.5 | 0.98±0.13 | 9.19 | |
| G 215-46 | USNO 775 | 22:26:16.6 | 48:37:30 | 16.1 | 10.91 | 10.40 | 10.15 | 15.32 | ··· | ··· | ··· | 13 | 32±4 | 3 | ··· | 2.65±0.22 | 8.26 | |
| 876- 76 | | 22:32:41.9 | -20:59:35 | 11.2 | 8.33 | 7.68 | 7.48 | 11.01 | 1.37 | ··· | ··· | 2 | 36±3 | 1 | ··· | 2.30±0.18 | 6.03 | |
| 820- 64** | Gl 866ABC | 22:38:33.4 | -15:18:02 | 12.8 | 6.58 | 5.97 | 5.57 | 12.30 | 1.99 | 1.66 | 3.73 | 0 | 294±5 | 4 | M6.0 | -2.34±0.24 | 8.92 | triple |
| R 226** | Gl 878 | 22:54:21.7 | 60:59:43 | 12.2 | 8.85 | 8.21 | 7.97 | 12.78 | 1.60 | 1.13 | 2.56 | 1 | 71±10 | 4 | M3.5 | 1.17±0.19 | 7.68 | |

Note. —
** identifies stars with formal distance estimates $d \leq 20$ parsecs
* identifies stars with formal distance estimates within $1\sigma$ of 20 parsecs
Column 1 lists the designation from the NLTT catalogue: R=Ross, W=Wolf, Oxf=Oxford catalogue. We have added Lowell Observatory Proper Motion Survey identifications (Giclas *et al.*, 1971) where appropriate. Column 2 lists an alternative name, usually from either the CNS3 or the LHS catalogue;
Columns 3 and 4 list the position of the 2MASS source; Column 5 gives the Luyten $m_r$ magnitude; Columns 6-8 list the 2MASS photometry;
Columns 9-12 list the optical photometry, and column 13 gives the source: 1 - Weis (1984, 1986, 1987, 1988, 1991a, 1991b, 1996); 2 - Hipparcos (ESA, 1997); 3 - CNS3; 4 - Reid (1990); 5 - Bessell (1990); 6 - Leggett (1992); 7 - Patterson *et al.* (1998); 8 - Ryan (1989, 1992); 9 - Caldwell *et al.* (1984); 10 - Eggen (1987); 11 - Fleming (1998); 12 - Laing (1989); 13 - USNO, Harrington *et al.* (1993) and refs within; 14 - Dawson & Forbes (1989, 1992); 15 - Sandage & Kowal (1986); 16 - Norris *et al.*, (1999); 17 - van Altena, Lee & Hoffleit (2001).
Column 14 lists the trigonometric parallax and uncertainty; column 15 gives the source:
1 - Hipparcos (ESA, 1997); 2 - Ianna & Bessell (1986); 3 - Harrington & Dahn (1980); 4 - CNS3; 5 - Dahn *et al.* (1988); 6 - Oppenheimer *et al.* (2001); van Altena, Lee & Hoffleit (2001).
Column 16 gives the estimated distance modulus and column 17 the corresponding $M_J$.
Notes: 1 - cpm G 131-51; 2 - cpm LP 193-584; 3 - cpm G172-34; 4 - binary, Jao *et al.* (2003); 5 - cpm HD 263175; 6 - cpm G 40-7

Table 2. Known nearby stars from NLTT3

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 217-40 | | 0:15:14.6 | 53:04:45 | 14.6 | 10.80 | 10.21 | 9.97 | 14.39 | ··· | 1.04 | 2.38 | 1 | ··· | | ··· | 3.91±0.30 | 6.89 | |
| 404- 81 | G 131-50 | 0:17:59.2 | 20:57:24 | 11.0 | 8.24 | 7.57 | 7.41 | 11.08 | ··· | 0.88 | 1.79 | 1 | ··· | | ··· | 2.30±0.30 | 5.94 | |
| 585- 86** | BRI0021 | 0:24:24.6 | -1:58:19 | 19.0 | 12.02 | 11.08 | 10.54 | 19.42 | ··· | 2.20 | 4.46 | 10 | 83±3 | 4 | M9.5 | 0.42±0.09 | 11.60 | |
| W 4 | Gl 22.1 | 0:33:05.6 | 42:00:05 | 11.3 | 8.31 | 7.63 | 7.49 | 10.94 | 1.31 | ··· | ··· | 2 | 29±2 | 1 | M0.0 | 2.64±0.16 | 5.67 | |
| 350- 20** | LTT10301A | 0:50:33.2 | 24:49:00 | 11.7 | 7.92 | 7.33 | 7.09 | 12.09 | ··· | 1.18 | 2.72 | 1 | 83±9 | 1 | M3.5 | 0.33±0.16 | 7.59 | |
| 406- 76** | GJ 1026 AB | 1:03:14.2 | 20:05:52 | 11.3 | 7.65 | 7.09 | 6.82 | 11.40 | 1.61 | 1.09 | 2.43 | 1 | 61±5 | 1 | M2.0 | 0.81±0.15 | 6.84 | |
| G 132-51 | | 1:03:42.1 | 40:51:15 | 12.7 | 9.18 | 8.72 | 8.48 | 13.01 | ··· | 1.10 | 2.51 | 1 | ··· | | ··· | 2.07±0.30 | 7.11 | |
| 707- 58* | Gl 56.1 | 1:18:16.0 | -12:53:59 | 11.6 | 8.37 | 7.74 | 7.55 | 11.79 | 1.47 | 1.00 | 2.22 | 8 | 45±4 | 1 | M2.0 | 1.63±0.14 | 6.74 | |
| G 172-51 | | 1:24:37.5 | 52:48:05 | 11.5 | 8.26 | 7.60 | 7.45 | 10.72 | 1.34 | 0.80 | 1.57 | 1 | ··· | | ··· | 2.74±0.30 | 5.52 | |
| -26:466 | G 274-26 | 1:24:47.6 | -26:15:20 | 11.3 | 8.02 | 7.39 | 7.24 | 10.40 | 1.32 | 0.80 | 1.51 | 5 | ··· | | ··· | 2.59±0.30 | 5.43 | |
| 768- 26** | Gl 65 AB | 1:39:01.5 | -17:57:01 | 12.2 | 6.30 | 5.68 | 5.36 | 11.99 | 1.87 | 1.64 | 3.71 | 1 | 381±5 | 2 | M5.5 | -2.90±0.03 | 9.20 | |
| +27:273* | LHS 1289 | 1:43:16.0 | 27:50:31 | 10.8 | 7.47 | 6.81 | 6.60 | 10.40 | 1.46 | 0.90 | 1.85 | 1 | 48±2 | 1 | M0.0 | 1.59±0.09 | 5.88 | |
| W 89 | G 94-17 | 1:50:28.1 | 18:17:46 | 11.1 | 8.04 | 7.40 | 7.24 | 10.79 | 1.38 | ··· | ··· | 3 | ··· | | K7 | 2.10±0.25 | 5.94 | |
| 469- 41A* | G 73-11 | 2:00:02.3 | 13:34:50 | 14.1 | 9.38 | 8.78 | 8.50 | 13.34 | 1.58 | ··· | ··· | 4 | ··· | | ··· | 1.80±0.41 | 7.58 | |
| 469- 60 | BD+12 269 | 2:01:47.8 | 13:01:26 | 11.0 | 7.99 | 7.40 | 7.31 | 10.16 | 1.19 | ··· | ··· | 2 | 25±2 | 1 | ··· | 2.97±0.16 | 5.02 | |
| 649- 66** | LHS 1353 | 2:12:29.2 | -8:04:10 | 12.1 | 8.62 | 8.05 | 7.80 | 12.72 | 1.17: | 0.93 | 2.09 | 1 | 54±10 | 4 | ··· | 0.95±0.25 | 6.87 | |
| G 159-46** | LHS 1358 | 2:12:54.6 | -0:00:16 | 12.9 | 9.05 | 8.50 | 8.16 | 13.62 | 1.64 | 1.25 | 2.91 | 1 | ··· | | M4.0 | 0.30±0.24 | 8.75 | |
| G 74-15 | GJ 3151A | 2:20:25.3 | 37:47:30 | 12.0 | 8.95 | 8.31 | 8.10 | 12.65 | ··· | 1.07 | 2.40 | 1 | ··· | | M2.5 | 1.83±0.22 | 7.12 | |
| G 173-58 | | 2:32:28.4 | 53:13:46 | 13.5 | 9.55 | 8.96 | 8.70 | 13.14 | ··· | 1.04 | 2.34 | 1 | ··· | | ··· | 2.64±0.30 | 6.91 | |
| G 173-61 | | 2:36:27.1 | 55:28:34 | 13.3 | 9.36 | 8.82 | 8.50 | 13.22 | ··· | 1.11 | 2.52 | 1 | ··· | | M3.0 | 1.99±0.22 | 7.37 | |
| G 174-7 | | 2:39:52.7 | 57:19:54 | 13.5 | 9.57 | 8.90 | 8.67 | 12.84 | ··· | 0.97 | 2.10 | 1 | ··· | | ··· | 3.04±0.30 | 6.53 | |
| R 556** | Gl 109 | 2:44:15.5 | 25:31:24 | 10.7 | 6.75 | 6.20 | 5.95 | 10.57 | 1.56 | 1.09 | 2.46 | 1 | 132±2 | 1 | M3.0 | -0.61±0.04 | 7.36 | |
| LHS 1473 | G 174-18 | 2:56:07.5 | 52:24:15 | 14.4 | 9.94 | 9.34 | 9.01 | 13.96 | ··· | 1.14 | 2.60 | 1 | ··· | | ··· | 2.36±0.30 | 7.58 | |
| G 78-11 | LHS 1486 | 3:00:12.6 | 49:00:34 | 15.3 | 10.94 | 10.42 | 10.16 | 14.70 | 1.53 | ··· | ··· | 3 | 28±4 | 4 | ··· | 3.26±0.24 | 7.68 | |
| R 341* | LHS 1495 | 3:06:19.0 | 51:03:22 | 13.6 | 9.07 | 8.44 | 8.21 | 12.93 | ··· | 1.10 | 2.51 | 1 | 29±6 | 4 | ··· | 2.13±0.26 | 6.94 | |
| +51:697 | Wo 9111 | 3:14:34.0 | 52:20:53 | 11.0 | 7.79 | 7.17 | 7.05 | 10.22 | 1.28 | 0.78 | 1.50 | 1 | 36±2 | 1 | K7 | 2.19±0.11 | 5.60 | |
| R 346* | G 78-24 | 3:14:44.9 | 48:31:11 | 12.5 | 8.18 | 7.64 | 7.42 | 11.43 | 1.49 | ··· | ··· | 3 | 50±9 | 4 | M1.0 | 1.69±0.23 | 6.49 | |
| -32:1209 | L515-18 | 3:14:13.5 | -31:57:23 | 11.0 | 8.01 | 7.45 | 7.31 | 10.10 | 1.17 | ··· | ··· | 2 | 23±2 | | ··· | 3.14±0.16 | 4.87 | |
| 299- 53 | LTT11085 | 3:18:38.3 | 32:39:56 | 11.1 | 8.26 | 7.59 | 7.39 | 11.33 | 1.47 | ··· | ··· | 2 | 33±3 | 1 | M0.0 | 2.19±0.17 | 6.07 | |
| 356- 14** | Gl 140 A | 3:24:06.5 | 23:47:06 | 11.0 | 7.11 | 6.50 | 6.26 | 10.38 | 1.51 | ··· | ··· | 2 | 51±5 | 1 | M1.0 | 1.02±0.16 | 6.09 | |
| 356-468** | LR Tau | 3:42:53.2 | 23:26:49 | 14.9 | 10.23 | 9.60 | 9.32 | 14.93 | ··· | ··· | 3.02 | 11 | ··· | | ··· | 1.14±0.30 | 9.09 | |
| +38:807 | G 95-58 | 3:47:41.0 | 39:09:36 | 10.8 | 7.80 | 7.24 | 7.08 | 10.23 | 1.20 | ··· | ··· | 2 | 26±5 | 1 | ··· | 2.63±0.30 | 5.17 | |
| L 374-19 | Wo 9152 | 4:17:02.0 | -40:47:56 | 12.0 | 8.11 | 7.56 | 7.38 | 10.34 | 1.26 | 0.75 | 1.36 | 8 | 26±1 | 1 | ··· | 2.96±0.10 | 5.15 | |
| R 594** | Gl 170 | 4:30:25.3 | 39:50:59 | 13.5 | 9.08 | 8.52 | 8.23 | 13.93 | ··· | 1.35 | 3.13 | 1 | 96±3 | 2 | M4.5 | 0.09±0.06 | 8.99 | |
| 715- 51AB* | HIP 21086 | 4:31:09.0 | -13:30:52 | 11.5 | 7.98 | 7.27 | 7.04 | 11.47 | ··· | ··· | ··· | 2 | 50±3 | 1 | ··· | 1.52±0.14 | 6.46 | |
| 775- 49 | BD-16:891 | 4:32:58.2 | -16:32:35 | 11.3 | 8.28 | 7.69 | 7.46 | 10.89 | 1.35 | 0.85 | 1.64 | 1 | 27±20 | 1 | ··· | 2.62±0.30 | 5.66 | |
| G 83-19 | VA 743 | 4:34:28.8 | 13:38:53 | 14.7 | 10.55 | 10.00 | 9.71 | 14.84 | 1.68 | ··· | ··· | 9 | ··· | | ··· | 2.54±0.41 | 8.01 | Hyad? |

Table 2—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 157- 32 | G 81-36 | 4:50:15.3 | 45:58:50 | 11.3 | 8.53 | 7.80 | 7.71 | 11.79 | 1.47 | ··· | ··· | 3 | ··· | | M1.0 | 2.07±0.25 | 6.46 | |
| -15:869 | L736-1 | 4:49:32.8 | -14:47:22 | 10.8 | 8.07 | 7.41 | 7.18 | 10.88 | 1.42 | ··· | ··· | 2 | 39±2 | 1 | ··· | 2.05±0.12 | 6.02 | |
| G 96-6** | GJ 1073 | 4:52:34.6 | 40:42:24 | 14.6 | 9.07 | 8.56 | 8.31 | 13.44 | ··· | 1.23 | 2.86 | 1 | 77±3 | 2 | M4.0 | 0.56±0.07 | 8.51 | |
| G 86-22 | | 5:02:24.7 | 39:10:30 | 12.2 | 8.89 | 8.19 | 8.05 | 11.42 | 1.32 | ··· | ··· | 4 | ··· | | ··· | 3.19±0.41 | 5.70 | |
| +52:911** | Gl 184 | 5:03:23.9 | 53:07:42 | 9.9 | 6.98 | 6.37 | 6.18 | 9.98 | 1.42 | 0.90 | 1.87 | 1 | 71±2 | 1 | M0.5 | 0.73±0.06 | 6.25 | |
| - 3:1061B** | Gl 200 B | 5:19:12.7 | -3:04:25 | 11.2 | 5.76 | 5.21 | 5.01 | 7.77 | 1.05 | ··· | ··· | 2 | 59±2 | 1 | K7 | 1.13±0.06 | 4.63 | |
| G 86-B1A | USNO 595 | 5:21:43.7 | 33:22:05 | 15.0 | 10.60 | 10.01 | 9.82 | ··· | ··· | ··· | ··· | | 15±2 | 3 | ··· | 3.82±0.22 | 6.78 | |
| G 85-69 | GJ 1078 | 5:23:49.0 | 22:32:39 | 14.8 | 10.70 | 10.18 | 9.88 | 15.52 | 1.83 | ··· | ··· | 3 | 48±4 | 4 | M4.5 | 1.78±0.17 | 8.92 | |
| R 406* | LHS 1765 | 5:29:52.7 | 32:04:51 | 12.8 | 8.60 | 8.05 | 7.83 | 12.24 | 1.49 | 1.04 | 2.32 | 1 | 34±6 | 4 | M3.0 | 1.74±0.20 | 6.86 | |
| G 191-45 | GJ 3352 | 5:34:08.7 | 51:12:56 | 11.0 | 7.99 | 7.37 | 7.14 | 11.07 | 1.50 | ··· | ··· | 2 | 38±2 | 1 | M0.5 | 2.12±0.14 | 5.87 | |
| R 411 | G 98-13 | 5:35:00.9 | 28:05:54 | 11.0 | 7.75 | 7.16 | 7.00 | 10.08 | 1.27 | ··· | ··· | 2 | 27±2 | 1 | K5 | 2.84±0.13 | 4.91 | |
| W 1457** | LHS5109 | 5:36:00.1 | -7:38:58 | 12.5 | 8.55 | 7.84 | 7.57 | 12.80 | 1.63 | ··· | ··· | 3 | ··· | | M4.0 | 0.23±0.29 | 8.32 | |
| G 100-28** | GJ 1083 AB | 5:40:25.7 | 24:48:08 | 14.5 | 8.95 | 8.37 | 8.01 | 14.78 | 1.88 | 2.08 | 3.74 | 7 | 96±2 | 4 | M5.5 | 0.08±0.06 | 8.87 | |
| G 102-21* | V1402 Ori | 5:40:16.1 | 12:39:00 | 11.6 | 8.05 | 7.40 | 7.20 | 11.36 | 1.46 | ··· | ··· | 3 | ··· | | M1.0 | 1.53±0.27 | 6.52 | binary |
| R 66 | G 101-11 | 5:49:57.0 | 36:50:25 | 12.3 | 9.14 | 8.46 | 8.26 | 12.20 | 1.47 | 0.94 | 1.99 | 1 | 20±11 | 4 | ··· | 2.99±0.30 | 6.15 | |
| +24:1005** | Gl 220 | 5:53:14.1 | 24:15:31 | 11.2 | 7.45 | 6.82 | 6.61 | 10.84 | 1.50 | 0.98 | 2.12 | 1 | 52±5 | 4 | M1.5 | 1.05±0.15 | 6.40 | |
| 837- 53** | | 5:55:43.2 | -26:51:23 | 11.0 | 7.20 | 6.45 | 6.30 | 10.70 | 1.05: | ··· | ··· | 2 | 69±2 | 1 | ··· | 0.82±0.06 | 6.38 | |
| R 60 | Gl 226.1 | 6:03:54.2 | 26:08:54 | 13.8 | 9.84 | 9.27 | 9.05 | 13.72 | 1.65 | 1.13 | 2.52 | 1 | 48±9 | 2 | M3.0 | 2.31±0.22 | 7.53 | |
| R 70 | G 98-44 | 6:07:11.8 | 33:32:37 | 13.2 | 8.86 | 8.29 | 8.11 | 12.44 | 1.45 | 1.01 | 2.23 | 1 | ··· | | M2.5 | 1.88±0.23 | 6.98 | |
| G100-59 | | 6:07:53.5 | 27:46:20 | 13.3 | 9.54 | 8.90 | 8.71 | 12.70 | 1.48 | ··· | ··· | 4 | ··· | | ··· | 3.24±0.41 | 6.30 | |
| W 1058 | LHS 1828 | 6:10:46.3 | 25:56:02 | 11.7 | 8.23 | 7.61 | 7.39 | 11.56 | 1.47 | 0.98 | 2.12 | 1 | 35±6 | 2 | M1.5 | 1.74±0.22 | 6.49 | |
| 420- 5** | G 104-35 | 6:21:36.6 | 16:18:36 | 11.5 | 8.49 | 7.85 | 7.66 | 12.60 | 1.57 | ··· | ··· | 5 | ··· | | ··· | 0.79±0.41 | 7.70 | |
| 600- 81 | | 6:23:21.7 | -0:00:31 | 12.9 | 9.40 | 8.83 | 8.51 | 12.96 | ··· | 1.05 | 2.31 | 1 | ··· | | ··· | 2.50±0.30 | 6.90 | |
| R 64** | Gl 232 | 6:24:41.3 | 23:25:58 | 13.1 | 8.61 | 8.15 | 7.89 | 13.09 | ··· | ··· | ··· | 6 | 119±2 | 4 | M4.5 | -0.39±0.04 | 9.00 | |
| R 614A** | Gl 234 A | 6:29:23.4 | -2:48:50 | 11.5 | 6.38 | 5.76 | 5.49 | 11.08 | 1.69 | 1.30 | 3.02 | 8 | 243±3 | 1 | M4.5 | -1.93±0.02 | 8.31 | |
| +17:1320** | Gl 239 | 6:37:10.8 | 17:33:53 | 9.5 | 6.65 | 6.03 | 5.86 | 9.64 | 1.50 | 0.92 | 1.88 | 1 | 102±2 | 1 | K7 | -0.03±0.05 | 6.68 | |
| 32- 8** | LDS 169B | 6:33:46.8 | -75:37:29 | 11.3 | 7.43 | 6.84 | 6.55 | 11.41 | ··· | ··· | ··· | 2 | 119±13 | 1 | ··· | -0.31±0.22 | 7.74 | |
| W 289** | G 109-23 | 6:41:28.2 | 15:45:47 | 13.3 | 9.55 | 8.93 | 8.65 | 13.77 | ··· | 1.16 | 2.67 | 1 | ··· | | M4.0 | 1.45±0.24 | 8.10 | |
| 121- 41** | GJ 3406AB | 6:43:49.7 | 51:08:20 | 11.7 | 8.36 | 7.78 | 7.52 | 12.34 | 1.62 | 1.14 | 2.58 | 1 | 52±4 | 2 | M2.5 | 1.20±0.14 | 7.16 | |
| 781- 18 | | 7:02:16.5 | -18:08:07 | 11.8 | 8.80 | 8.10 | 7.97 | 10.91 | 1.17 | 0.72 | 1.35 | 5 | ··· | | ··· | 3.59±0.30 | 5.20 | |
| R 54** | Gl 263 A | 7:04:17.7 | -10:30:31 | 11.5 | 7.35 | 6.69 | 6.42 | 11.30 | 1.52 | 1.12 | 2.57 | 8 | 65±3 | 1 | M3.5 | 0.94±0.09 | 6.41 | |
| R 424 | G 108-55 | 7:06:36.3 | -2:08:45 | 12.3 | 8.90 | 8.22 | 8.10 | 11.04 | 1.21 | 0.73 | 1.34 | 5 | ··· | | ··· | 3.69±0.30 | 5.21 | |
| 840- 15** | | 7:07:22.9 | -21:27:27 | 11.8 | 7.64 | 7.02 | 6.80 | 11.08 | 1.44 | 0.99 | 2.21 | 8 | 58±2 | 1 | ··· | 1.18±0.10 | 6.46 | |
| -14:1750 | LHS 1900 | 7:10:49.6 | -14:25:58 | 10.7 | 7.53 | 6.77 | 6.64 | 9.96 | 1.31 | ··· | ··· | 2 | 39±1 | 1 | K5 | 2.02±0.07 | 5.51 | |
| 782- 1 | BD-17 1776 | 7:21:12.3 | -15:21:30 | 11.6 | 8.40 | 8.00 | 7.93 | 9.78 | 0.74 | ··· | ··· | 2 | 18±1 | 1 | ··· | 4.17±0.15 | 4.23 | |
| 782- 16 | BD-19 1855 | 7:23:29.2 | -20:01:24 | 11.0 | 7.68 | 7.08 | 6.93 | 9.91 | 1.23 | ··· | ··· | 2 | 34±2 | 1 | ··· | 2.36±0.10 | 5.32 | |
| 782- 2** | LHS 1918 | 7:28:13.1 | -18:47:35 | 13.5 | 9.03 | 8.44 | 8.16 | 13.65 | ··· | ··· | ··· | 3 | ··· | | M4.5 | 0.47±0.29 | 8.56 | |

Table 2—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G 112-21** | GJ 1097 | 7:28:45.4 | -3:17:53 | 11.6 | 7.56 | 6.97 | 6.70 | 11.43 | ··· | 1.10 | 2.50 | 1 | 80±3 | 1 | M3.0 | 0.50±0.07 | 7.06 | |
| -29:4446** | GJ 2060 | 7:28:51.4 | -30:14:48 | 10.2 | 6.57 | 5.96 | 5.71 | 9.96 | 1.44 | ··· | ··· | 2 | 64±3 | 1 | ··· | 0.96±0.09 | 5.61 | |
| L 456-55 | GJ 2061AB | 7:31:04.2 | -37:13:44 | 11.2 | 8.22 | 7.63 | 7.43 | 11.47 | 1.53 | 0.98 | 2.07 | 8 | 32±9 | 1 | ··· | 1.99±0.28 | 6.23 | |
| - 3:2002** | Gl 282 B | 7:40:02.9 | -3:36:13 | 9.3 | 6.38 | 5.70 | 5.55 | 8.93 | 1.35 | 0.84 | 1.59 | 7 | 70±9 | 1 | K5 | 0.76±0.03 | 5.62 | |
| +21:1764A** | LHS5133 A | 8:08:13.2 | 21:06:18 | 9.6 | 6.82 | 6.17 | 6.03 | 9.41 | 1.34 | ··· | ··· | 2 | 58±2 | 1 | K5 | 1.17±0.10 | 5.65 | |
| 724- 22** | Gl 297.2B | 8:10:34.3 | -13:48:51 | 11.9 | 8.28 | 7.66 | 7.41 | 11.80 | 1.49 | ··· | ··· | 6 | 48±6 | 2 | M2.0 | 1.43±0.19 | 6.86 | |
| G 9-10 | | 8:33:27.0 | 13:48:19 | 12.9 | 8.85 | 8.20 | 8.09 | 11.53 | 1.38 | ··· | ··· | 4 | ··· | | ··· | 3.18±0.41 | 5.67 | |
| LP 425-182 | | 8:36:03.4 | 17:44:26 | 12.3 | 8.66 | 8.11 | 7.97 | 10.72 | 1.06 | 0.64 | 1.19 | 5 | ··· | | ··· | 3.55±0.30 | 4.42 | |
| 425-140** | Gl 316.1 | 8:40:29.7 | 18:24:08 | 17.1 | 11.05 | 10.40 | 10.05 | 17.59 | ··· | ··· | 4.14 | 7 | 71±4 | 5 | ··· | 0.74±0.03 | 10.31 | |
| Gl 33 | Gl 336.1 | 9:11:30.8 | 46:37:01 | 10.9 | 7.94 | 7.28 | 7.09 | 10.94 | 1.40 | ··· | ··· | 2 | 40±2 | 1 | M0.5 | 2.00±0.11 | 5.94 | |
| Grw +76:3952** | Gl 366 | 9:46:48.5 | 76:02:38 | 10.7 | 7.41 | 6.84 | 6.62 | 10.64 | 1.40 | 0.94 | 2.05 | 1 | 63±2 | 1 | M1.5 | 1.01±0.05 | 6.40 | |
| 609- 24** | LHS 5165 | 10:03:19.2 | -1:05:07 | 18.0 | 12.35 | 11.69 | 11.26 | 21.0: | ··· | ··· | 6.06 | 9 | ··· | | ··· | 0.43±0.30 | 11.92 | |
| W 351* | G 118-37 | 10:11:44.0 | 35:18:44 | 14.4 | 10.11 | 9.53 | 9.24 | 14.50 | ··· | 1.24 | 2.84 | 1 | ··· | | M4.0 | 1.72±0.25 | 8.39 | |
| - 9:3063 | Gl 389.1 | 10:24:14.9 | -10:24:21 | 10.7 | 7.68 | 7.07 | 6.92 | 9.98 | 1.22 | ··· | ··· | 2 | 37±2 | 1 | K7 | 2.18±0.12 | 5.49 | |
| - 3:3040BC | HD96064BC | 11:04:41.0 | -4:13:24 | 10.4 | 7.26 | 6.60 | 6.42 | 10.25 | 1.38 | ··· | ··· | 2 | 41±1 | 1 | ··· | 1.96±0.08 | 5.30 | |
| +16:2222 | Wo 9348 | 11:09:47.4 | 15:31:22 | 11.5 | 8.54 | 7.89 | 7.68 | 11.47 | 1.50 | 0.89 | 1.84 | 1 | 25±3 | 1 | ··· | 2.75±0.21 | 5.79 | |
| -19:3242B** | Gl 425 B | 11:21:26.6 | -20:27:09 | 11.5 | 6.58 | 5.76 | 5.68 | 11.0 | ··· | ··· | ··· | 2 | 76±2 | 1 | M1.0 | 0.60±0.05 | 5.98 | |
| +55:1519A** | Gl 458 A | 12:12:20.9 | 54:29:08 | 10.6 | 6.85 | 6.24 | 6.06 | 9.71 | 1.38 | ··· | ··· | 2 | 65±2 | 1 | M0.0 | 0.93±0.05 | 5.92 | |
| 320-359** | San 47 | 12:18:47.2 | 29:44:49 | 15.7 | 11.00 | 10.39 | 10.12 | 16.32 | 1.98 | ··· | ··· | 3 | ··· | | M0.0 | 1.33±0.17 | 9.67 | |
| 320-16** | G 148-47 | 12:21:26.7 | 30:38:37 | 14.9 | 10.06 | 9.45 | 9.17 | 15.4: | ··· | ··· | 3.47 | 12 | ··· | | ··· | 0.42±0.30 | 9.64 | 1 |
| G 148-48** | | 12:21:27.0 | 30:38:35 | 15.0 | 9.99 | 9.44 | 9.12 | 15.4: | ··· | ··· | 3.47 | 12 | ··· | | ··· | 0.62±0.16 | 9.37 | 1 |
| + 0:2989** | Gl 488 | 12:50:43.6 | -0:46:05 | 8.6 | -9.00 | -9.00 | 4.87 | 8.47 | 1.42 | 0.88 | 1.72 | 8 | 93±1 | 1 | K7 | 0.17±0.02 | -9.17 | |
| +36:2322A** | Gl 490 A | 12:57:40.3 | 35:13:30 | 10.9 | 7.38 | 6.72 | 6.53 | 10.57 | 1.42 | ··· | ··· | 2 | 55±3 | 1 | M0.5 | 1.29±0.11 | 6.09 | |
| 378-688** | LHS5240 | 13:11:51.8 | 25:20:50 | 15.3 | 10.80 | 10.21 | 9.90 | 15.75 | 1.79 | ··· | ··· | 3 | ··· | | M5.0 | 1.46±0.17 | 9.34 | |
| +35:2436B** | Gl 507 B | 13:19:34.7 | 35:06:25 | 11.8 | 8.26 | 7.72 | 7.49 | 12.12 | 1.57 | 1.09 | 2.46 | 1 | 76±3 | 1 | M3.0 | 0.60±0.09 | 7.66 | |
| + 0:3077* | GJ 1173 | 13:35:24.8 | -0:23:20 | 10.9 | 7.43 | 6.88 | 6.64 | 10.27 | 1.43 | ··· | ··· | 6 | ··· | | K7 | 1.57±0.27 | 5.86 | |
| W 515** | G 150-46 | 13:52:36.2 | 14:25:20 | 11.7 | 8.02 | 7.32 | 7.14 | 11.63 | 1.50 | 1.04 | 2.31 | 1 | ··· | | M2.0 | 1.05±0.23 | 6.97 | |
| +13:2721 | Gl 533 A | 13:53:27.5 | 12:56:33 | 9.9 | 6.94 | 6.31 | 6.15 | 9.80 | 1.40 | 0.87 | 1.77 | 1 | 48±2 | 1 | K7 | 1.60±0.08 | 5.34 | |
| 619- 50 | LHS 2876 | 14:12:12.1 | -0:35:16 | 19.4 | 13.04 | 12.54 | 12.07 | 20.14 | ··· | 2.07 | 4.38 | 6 | 40±4 | 2 | M0.0 | 2.28±0.13 | 10.76 | |
| +19:2776 | | 14:15:38.7 | 18:37:12 | 11.4 | 7.92 | 7.49 | 7.38 | 9.81 | 0.95 | ··· | ··· | 5 | ··· | | ··· | 3.30±0.41 | 4.62 | |
| 802- 68 | | 15:24:45.8 | -17:07:39 | 11.1 | 8.42 | 7.74 | 7.54 | 11.62 | 0.75: | ··· | ··· | 2 | 27±4 | 1 | ··· | 2.44±0.27 | 5.98 | |
| 860- 50 | LHS 3079 | 15:31:38.3 | -26:54:07 | 13.9 | 9.62 | 8.98 | 8.72 | 13.70 | ··· | ··· | ··· | 3 | ··· | | M3.5 | 1.90±0.27 | 7.72 | |
| -57:6303** | Gl 615 | 16:13:48.5 | -57:34:13 | 9.1 | 5.89 | 5.40 | 5.30 | 7.53 | 0.83 | ··· | ··· | 6 | 73±8 | 1 | K0 | 1.12±0.22 | 4.77 | |
| 745- 51** | GJ 2121 | 16:30:13.1 | -14:39:49 | 13.1 | 8.43 | 7.93 | 7.61 | 12.35 | 1.51 | 1.10 | 2.51 | 1 | 45±5 | 1 | M3.0 | 1.30±0.17 | 7.13 | |
| 918- 1** | LHS 423 | 16:35:40.4 | -30:51:20 | 12.8 | 8.85 | 8.31 | 8.10 | 12.68 | 1.54 | ··· | ··· | 3 | ··· | | M3.0 | 1.59±0.27 | 7.26 | |
| 101- 15** | Gl 630.1A | 16:34:20.4 | 57:09:44 | 13.2 | 8.50 | 8.04 | 7.77 | 12.08 | 1.58 | 1.23 | 2.82 | 7 | 69±2 | 2 | M4.5 | 0.80±0.08 | 7.70 | |
| 863- 19 | GJ 2124 | 16:59:33.3 | -26:16:04 | 11.3 | 7.73 | 7.04 | 6.92 | 10.38 | 1.36 | ··· | ··· | 2 | 40±12 | 1 | ··· | 1.99±0.36 | 5.74 | |

Table 2—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 864- 1** | LHS 3291 | 17:27:14.1 | -25:09:36 | 14.3 | 9.30 | 8.74 | 8.53 | 13.35 | ··· | ··· | ··· | 3 | ··· | | M4.0 | 1.41±0.29 | 7.89 | |
| 920- 69 | GJ 4013 | 17:38:03.6 | -30:00:57 | 11.7 | 8.12 | 7.45 | 7.29 | 10.94 | 1.47 | ··· | ··· | 3 | ··· | | K7 | 2.13±0.27 | 5.99 | |
| -27:11772 | Ross 131 | 17:38:19.6 | -27:12:19 | 11.6 | 8.35 | 7.73 | 7.65 | 12.00 | ··· | 0.97 | 2.06 | 8 | 19±2 | 1 | ··· | 2.63±0.20 | 5.72 | |
| R 132 | | 17:39:28.3 | -22:41:45 | 12.0 | 8.60 | 7.94 | 7.78 | 11.38 | 1.40 | -0.99 | ··· | | ··· | | ··· | 2.85±0.39 | 5.75 | |
| R 133 | Wo 9600 | 17:43:17.5 | -18:31:18 | 12.0 | 8.91 | 8.32 | 8.09 | 12.17 | 1.43 | 0.94 | 2.06 | 1 | 40±9 | 2 | M1.5 | 2.27±0.22 | 6.64 | |
| -32:13298** | GJ 2130A | 17:46:14.4 | -32:06:08 | 10.8 | 7.47 | 6.85 | 6.55 | 11.39 | 1.44 | ··· | ··· | 2 | 162±11 | 1 | ··· | -1.04±0.16 | 8.51 | |
| -12:4935 | G 154-47 | 18:09:33.3 | -12:02:20 | 11.3 | 7.84 | 7.20 | 7.02 | 10.50 | 1.37 | ··· | ··· | 2 | 38±3 | 1 | K7 | 2.07±0.46 | 5.77 | |
| +45:2743** | Gl 720 A | 18:35:18.4 | 45:44:38 | 10.0 | 6.92 | 6.27 | 6.07 | 9.86 | 1.45 | 0.91 | 1.86 | 1 | 65±1 | 1 | M0.0 | 0.95±0.02 | 5.97 | |
| +34:3266 | Ross 143 | 18:37:38.5 | 34:41:25 | 11.1 | 8.19 | 7.54 | 7.38 | 10.82 | ··· | 0.81 | 1.62 | 1 | 34±2 | 1 | ··· | 2.34±0.10 | 5.85 | |
| 867- 19 | | 18:52:07.8 | -24:44:53 | 11.4 | 8.05 | 7.46 | 7.31 | 10.32 | 1.11 | ··· | ··· | 5 | ··· | | ··· | 2.72±0.41 | 5.33 | |
| -22:13916 | Gl 757 | 19:24:34.2 | -22:03:43 | 11.0 | 8.24 | 7.62 | 7.44 | 10.91 | 1.39 | ··· | ··· | 2 | 47±8 | 1 | K7 | 2.29±0.15 | 5.95 | |
| +31:3767A** | Gl 767 A | 19:46:23.9 | 32:01:01 | 10.1 | 6.87 | 6.19 | 6.02 | 9.79 | 1.52 | 0.98 | 2.12 | 1 | 75±3 | 1 | M1.0 | 0.66±0.06 | 6.21 | |
| 814- 53 | L709-17 | 20:02:58.1 | -20:27:15 | 13.3 | 9.63 | 9.11 | 8.80 | 13.18 | ··· | 1.04 | 2.32 | 1 | ··· | | ··· | 2.79±0.30 | 6.84 | |
| 814- 54 | L709-18 | 20:02:58.8 | -20:27:23 | 14.0 | 10.21 | 9.67 | 9.38 | 14.15 | ··· | 1.14 | 2.56 | 1 | ··· | | ··· | 2.84±0.30 | 7.37 | |
| 634- 24 | | 20:18:45.8 | -0:39:26 | 10.8 | 7.97 | 7.36 | 7.13 | 11.01 | 1.43 | ··· | ··· | 2 | 35±3 | 1 | ··· | 2.14±0.16 | 5.83 | |
| 455- 12** | LTT15944 | 20:18:44.6 | 15:50:46 | 11.8 | 8.14 | 7.58 | 7.36 | 11.79 | ··· | ··· | ··· | 3 | ··· | | M2.5 | 1.17±0.25 | 6.97 | |
| +26:3915* | Wo 9697 A | 20:30:10.7 | 26:50:33 | 10.8 | 7.13 | 6.49 | 6.33 | 9.69 | 1.34 | ··· | ··· | 2 | 43±4 | | K5 | 1.61±0.87 | 5.52 | |
| R 188** | Gl 792 | 20:31:25.6 | 38:33:44 | 13.5 | 9.21 | 8.62 | 8.34 | 13.48 | ··· | 1.24 | 2.83 | 1 | 67±3 | 4 | M4.0 | 0.87±0.09 | 8.34 | |
| G 144-25 ** | GJ 1256 | 20:40:33.9 | 15:29:58 | 12.8 | 8.65 | 8.08 | 7.75 | 13.45 | ··· | 1.35 | 3.09 | 1 | 102±2 | 2 | M4.5 | -0.04±0.04 | 8.69 | |
| R 766 | GJ 1258 | 20:42:60.0 | 35:29:48 | 12.1 | 8.73 | 8.05 | 7.89 | 11.40 | 1.38 | 0.85 | 1.71 | 1 | 22±2 | 1 | ··· | 3.16±0.18 | 5.57 | |
| G 210-44 | HIP 103502 | 20:58:11.5 | 40:11:29 | 11.0 | 8.10 | 7.48 | 7.32 | 10.75 | ··· | ··· | ··· | 2 | 25±2 | 1 | ··· | 2.78±0.19 | 5.32 | |
| W 906** | Gl 816 | 21:01:58.7 | -6:19:07 | 11.0 | 7.55 | 6.96 | 6.69 | 11.22 | 1.52 | 1.05 | 2.36 | 8 | 72±3 | 1 | M3.0 | 0.70±0.09 | 6.85 | |
| +24:4229 | GJ 4181 | 21:08:01.9 | 25:10:34 | 11.1 | 7.76 | 7.17 | 7.06 | 9.84 | 1.16 | ··· | ··· | 2 | 29±2 | 1 | K7 | 2.72±0.12 | 5.04 | |
| 637- 45 | G 25-33 | 21:27:58.5 | -0:39:50 | 11.6 | 8.79 | 8.15 | 7.91 | 11.95 | 1.42 | ··· | ··· | 4 | ··· | | ··· | 2.38±0.41 | 6.41 | |
| 638- 79 | BD-03 5242A | 21:33:31.6 | -2:30:22 | 11.2 | 8.04 | 7.42 | 7.24 | 10.58 | 1.31 | 0.79 | 1.55 | 1 | 23±4 | 1 | ··· | 2.78±0.23 | 5.26 | |
| G 126-37 | | 21:49:41.9 | 12:00:03 | 12.2 | 8.69 | 7.97 | 7.82 | 11.77 | 1.44 | ··· | ··· | 4 | ··· | | ··· | 2.40±0.41 | 6.29 | |
| W 1561** | Gl 852 A | 22:17:19.0 | -8:48:12 | 13.1 | 9.01 | 8.46 | 8.17 | 13.41 | ··· | 1.25 | 2.87 | 1 | 100±3 | 4 | M4.0 | 0.01±0.07 | 9.01 | |
| 759- 82** | Gl 852 B | 22:17:18.7 | -8:48:19 | 14.0 | 9.46 | 8.81 | 8.55 | 14.43 | ··· | 1.39 | 3.23 | 1 | 100±3 | 2 | M5.0 | 0.01±0.07 | 9.45 | |
| 819- 72 | | 22:26:58.7 | -17:25:28 | 11.0 | 8.20 | 7.55 | 7.40 | 10.66 | ··· | ··· | ··· | 2 | 16±2 | 1 | ··· | 3.40±0.26 | 4.80 | |
| 761-117 | Gl 883 | 22:59:53.6 | -11:22:54 | 11.0 | 7.93 | 7.27 | 7.09 | 10.57 | 1.40 | ··· | ··· | 2 | 38±2 | 1 | K7 | 2.11±0.11 | 5.82 | |
| 822-106** | GJ 2154 A | 23:14:16.6 | -19:38:39 | 10.6 | 7.52 | 6.81 | 6.65 | 10.46 | 1.45 | ··· | ··· | 2 | 51±6 | 1 | M0.5 | 1.33±0.19 | 6.19 | |
| 822-105 | GJ 2154 B | 23:14:16.5 | -19:38:46 | 13.9 | 9.51 | 8.83 | 8.56 | 13.42 | 1.59 | ··· | ··· | 2 | 51±6 | 1 | M4.0 | 1.44±0.19 | 8.07 | |
| GJ 4327** | LHS 3923 | 23:17:24.4 | 38:12:41 | 10.9 | 7.75 | 7.17 | 6.92 | 11.46 | 1.55 | 1.07 | 2.38 | 1 | 56±3 | 2 | M2.5 | 1.13±0.14 | 6.62 | |
| 878- 12 | G 275-31 | 23:18:37.5 | -22:42:49 | 11.5 | 8.57 | 7.99 | 7.82 | 10.69 | 1.19 | 0.71 | 1.31 | 5 | ··· | | ··· | 3.39±0.30 | 5.18 | |
| 522- 65* | G68-13 | 23:23:24.7 | 15:34:16 | 12.0 | 8.21 | 7.62 | 7.40 | 11.66 | 1.48 | ··· | ··· | 4 | ··· | | ··· | 1.59±0.41 | 6.62 | |
| GJ 4334 | LHS 543a | 23:25:40.3 | 53:08:06 | 14.5 | 9.90 | 9.29 | 9.02 | 14.59 | 1.66 | ··· | ··· | 3 | 40±3 | 2 | M4.5 | 1.62±0.15 | 8.28 | |
| 878- 87** | GJ 1284 | 23:30:13.4 | -20:23:27 | 11.0 | 7.21 | 6.61 | 6.32 | 11.11 | 1.52 | 1.10 | 2.51 | 8 | 68±8 | 1 | M3.0 | 0.21±0.17 | 7.00 | |

Table 2—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | src. | $\pi_{trig}$ | src. | Sp. type | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -17:6785** | G 273-93 | 23:38:08.2 | -16:14:10 | 12.3 | 7.80 | 7.20 | 7.00 | 11.34 | 1.57 | 1.03 | 2.26 | 1 | ··· | | M2.0 | 0.96±0.23 | 6.84 | |
| - 3:5691 | Wo 9835 | 23:42:10.6 | -2:34:36 | 10.6 | 7.67 | 7.07 | 6.86 | 10.34 | 1.35 | 0.83 | 1.65 | 1 | 42±2 | 1 | K5 | 1.86±0.09 | 5.81 | |
| 763- 90 | G 158-2 | 23:53:42.2 | -12:23:24 | 14.3 | 10.39 | 9.88 | 9.63 | 14.38 | ··· | 1.13 | 2.59 | 1 | ··· | | ··· | 2.99±0.30 | 7.40 | |

Note. — ** identifies stars with formal distance estimates $d \leq 20$ parsecs
* identifies stars with formal distance estimates within $1\sigma$ of 20 parsecs
Column 1 lists the designation from the NLTT catalogue: R=Ross, W=Wolf, Oxf=Oxford catalogue. We have added Lowell Observatory Proper Motion Survey identifications (Giclas *et al.*, 1971) where appropriate. Column 2 lists an alternative name, usually from either the CNS3 or the LHS catalogue;
Columns 3 and 4 list the position of the 2MASS source; Column 5 gives the Luyten $m_r$ magnitude; Columns 6-8 list the 2MASS photometry;
Columns 9-12 list the optical photometry, and column 13 gives the source: 1 - Weis (1984, 1986, 1987, 1988, 1991a, 1991b, 1996); 2 - Hipparcos (ESA, 1997); 3 - CNS3; 4 - Sandage & Kowal (1986); 5 - Ryan (1989, 1990); 6 - Leggett (1992); 7 - Bessell (1990); 9 - Koen *et al.*, (2002); 9 - Phan-Bao *et al.*, (2001); 10 - Dahn *et al.* (2002); 11 - Stauffer *et al.* (1991); 12 - Fleming (1998).
Column 14 lists the trigonometric parallax and uncertainty; column 15 gives the source:
1 - Hipparcos (ESA, 1997); 2 - CNS3; 3 - Dahn *et al.*, (2002); 4 - van Altena, Lee & Hoffleit (2001)
Column 16 gives the estimated distance modulus and column 17 the corresponding value of $M_J$.
Notes: 1 - LP 320-16/G 148-48: Joint optical photometry, $JHK_S$ data taken from All-Sky release.

Table 3. SAAO photometry of NLTT2 and NLTT3 stars

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | $N_{obs}$ | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NLTT2 | | | | | | | | | | | | | | | |
| 644- 94 | | 0:09:13.5 | -4:08:02 | 12.0 | 8.60 | 7.94 | 7.71 | 12.03 | 1.51 | 1.02 | 2.23 | 1 | 1.87±0.23 | 6.73 | |
| 880-803 | | 0:16:20.1 | -31:27:39 | 13.3 | 9.53 | 8.91 | 8.68 | 13.01 | ··· | 1.03 | 2.29 | 1 | 2.79±0.23 | 6.74 | |
| 464-511 | | 0:17:11.8 | 14:54:52 | 13.9 | 10.09 | 9.45 | 9.23 | 13.70 | ··· | 1.06 | 2.37 | 1 | 3.16±0.30 | 6.93 | |
| 86- 93 | | 0:18:34.7 | -68:46:59 | 11.6 | 8.58 | 7.95 | 7.75 | 11.32 | 1.44 | 0.89 | 1.75 | 1 | 2.75±0.30 | 5.83 | |
| 86- 82 | | 0:21:54.9 | -68:31:25 | 11.6 | 8.25 | 7.57 | 7.35 | 11.13 | 1.45 | 0.92 | 1.87 | 1 | 2.20±0.23 | 6.05 | |
| 881- 50 | G 267-87 | 0:22:33.9 | -31:10:24 | 14.5 | 10.66 | 10.03 | 9.74 | 14.27 | ··· | 1.07 | 2.41 | 1 | 3.68±0.23 | 6.98 | |
| 881-102 | | 0:28:07.9 | -26:52:28 | 15.5 | 10.64 | 9.99 | 9.79 | 14.45 | ··· | 1.07 | 2.44 | 1 | 3.42±0.23 | 7.22 | |
| 50- 78** | | 0:31:04.1 | -72:01:06 | 13.3 | 9.37 | 8.74 | 8.44 | 13.69 | ··· | 1.22 | 2.79 | 2 | 1.19±0.27 | 8.18 | |
| 881-239 | | 0:37:35.8 | -27:08:30 | 14.2 | 10.04 | 9.47 | 9.18 | 14.32 | ··· | 1.19 | 2.74 | 2 | 2.03±0.27 | 8.03 | |
| 825-68 | | 0:39:36.6 | -30:11:26 | 14.8 | 11.02 | 10.43 | 10.15 | 14.55 | ··· | 1.03 | 2.30 | 1 | 4.19±0.30 | 6.83 | |
| 881-272 | | 0:39:56.0 | -30:32:45 | 14.4 | 10.62 | 10.08 | 9.75 | 14.50 | ··· | 1.14 | 2.53 | 1 | 3.29±0.23 | 7.33 | |
| 466-156 | | 0:59:16.3 | 13:51:35 | 15.3 | 11.26 | 10.71 | 10.44 | 14.65 | ··· | 0.88 | 2.13 | 1 | 4.63±0.23 | 6.62 | |
| 586- 73 | | 1:00:22.3 | -1:24:04 | 14.4 | 10.34 | 9.71 | 9.49 | 13.92 | ··· | 1.03 | 2.30 | 1 | 3.44±0.23 | 6.90 | |
| 466-236 | | 1:06:39.2 | 14:48:46 | 13.9 | 9.68 | 9.05 | 8.80 | 13.07 | ··· | 0.99 | 2.15 | 1 | 3.01±0.23 | 6.67 | |
| 827-167 | | 1:23:31.8 | -23:45:41 | 15.4 | 11.21 | 10.71 | 10.33 | 16.08 | ··· | 1.38 | 3.20 | 2 | 1.93±0.27 | 9.28 | |
| 883-542 | | 1:29:40.0 | -26:30:05 | 14.1 | 10.29 | 9.66 | 9.40 | 13.93 | ··· | 1.06 | 2.37 | 1 | 3.28±0.23 | 7.01 | |
| 883-432 | | 1:30:41.4 | -28:12:32 | 14.5 | 10.60 | 10.02 | 9.77 | 15.01 | ··· | 1.20 | 2.82 | 2 | 2.37±0.25 | 8.23 | |
| 768-199 | | 1:37:51.2 | -14:43:15 | 14.7 | 10.22 | 9.62 | 9.41 | 13.81 | ··· | 1.04 | 2.33 | 1 | 3.34±0.23 | 6.88 | |
| 768-572 | | 1:50:58.8 | -15:22:22 | 17.1 | 11.26 | 10.60 | 10.39 | 14.29 | ··· | 0.94 | 1.94 | 1 | 4.98±0.23 | 6.28 | |
| 828- 89** | | 1:53:11.3 | -21:05:43 | 11.7 | 8.08 | 7.42 | 7.14 | 11.42 | 1.49 | 1.00 | 2.16 | 1 | 1.43±0.23 | 6.65 | |
| 768-670** | | 1:54:08.0 | -15:36:21 | 15.6 | 9.77 | 9.23 | 8.86 | 14.42 | ··· | 1.29 | 2.98 | 2 | 0.73±0.24 | 9.04 | |
| 768-702 | | 1:55:32.2 | -15:31:21 | 11.6 | 8.82 | 8.18 | 7.91 | 11.71 | 1.46 | 0.91 | 1.86 | 1 | 2.76±0.23 | 6.06 | |
| 650-215 | | 2:20:22.4 | -8:08:24 | 15.3 | 10.90 | 10.36 | 10.05 | 15.81 | ··· | 1.33 | 3.12 | 2 | 1.68±0.24 | 9.22 | 1 |
| 650-158 | | 2:31:33.3 | -3:56:22 | 13.4 | 8.94 | 8.30 | 8.08 | 12.43 | 1.48 | 1.00 | 2.18 | 1 | 2.13±0.23 | 6.81 | |
| 941-160 | | 2:32:46.1 | -34:21:39 | 15.3 | 10.88 | 10.28 | 10.00 | 15.41 | ··· | 1.26 | 2.91 | 1 | 2.15±0.24 | 8.73 | |
| G 75-27 | | 2:34:52.5 | -7:17:05 | 13.7 | 9.52 | 9.04 | 8.78 | 13.13 | ··· | 1.04 | 2.33 | 2 | 2.68±0.30 | 6.84 | |
| 650-323** | | 2:37:46.2 | -7:05:48 | 15.3 | 10.62 | 10.08 | 9.79 | 15.63 | ··· | 1.36 | 3.19 | 1 | 1.33±0.24 | 9.29 | |
| 650-337 | | 2:39:03.6 | -3:52:58 | 14.3 | 10.31 | 9.68 | 9.48 | 13.42 | ··· | 0.96 | 2.02 | 1 | 4.04±0.23 | 6.27 | |
| 886- 73** | | 2:39:17.6 | -26:49:18 | 14.2 | 9.60 | 9.04 | 8.72 | 14.26 | ··· | 1.27 | 2.97 | 2 | 0.58±0.30 | 9.02 | |
| 650-366 | | 2:40:17.9 | -5:17:41 | 15.3 | 11.20 | 10.56 | 10.29 | 15.65 | ··· | 1.24 | 2.86 | 1 | 2.70±0.24 | 8.50 | |
| 652-192 | | 3:16:21.1 | -3:44:38 | 13.8 | 10.10 | 9.45 | 9.22 | 13.73 | ··· | 1.04 | 2.35 | 2 | 3.10±0.23 | 7.00 | |
| 831- 68** | | 3:16:47.8 | -21:25:26 | 11.3 | 7.61 | 6.96 | 6.70 | 11.02 | 1.47 | 1.00 | 2.22 | 2 | 0.89±0.23 | 6.72 | |
| 652-237 | | 3:18:08.1 | -3:21:28 | 14.8 | 10.80 | 10.22 | 9.95 | 14.43 | ··· | 1.03 | 2.34 | 2 | 3.84±0.23 | 6.96 | |
| 652-310 | | 3:21:05.6 | -5:26:35 | 15.4 | 11.03 | 10.49 | 10.21 | 15.80 | ··· | 1.32 | 3.07 | 2 | 1.93±0.24 | 9.10 | |
| G 7-14 ** | | 3:58:49.1 | 12:30:23 | 13.6 | 9.73 | 9.16 | 8.85 | 14.28 | ··· | 1.23 | 2.86 | 3 | 0.83±0.30 | 8.90 | |
| 655- 23** | | 4:30:52.0 | -8:49:19 | 14.0 | 9.86 | 9.28 | 9.02 | 14.32 | ··· | 1.25 | 2.89 | 4 | 1.34±0.25 | 8.52 | |

Table 3—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | $N_{obs}$ | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 837- 52 | | 5:52:31.9 | -22:46:37 | 11.6 | 8.13 | 7.56 | 7.35 | 10.56 | 1.24 | 0.79 | 1.47 | 3 | 2.64±0.30 | 5.49 | |
| 658- 71** | | 5:54:05.1 | -2:48:21 | 15.6 | 10.75 | 10.14 | 9.80 | 15.81 | ··· | 1.40 | 3.24 | 4 | 1.34±0.16 | 9.41 | 2 |
| 780- 32** | | 6:39:37.4 | -21:01:33 | 12.2 | 8.49 | 7.92 | 7.65 | 12.78 | 1.66 | 1.20 | 2.77 | 4 | 0.43±0.24 | 8.06 | |
| L 453-31** | | 6:39:41.1 | -36:59:02 | 11.3 | 8.31 | 7.64 | 7.42 | 11.90 | 1.49 | 1.04 | 2.32 | 3 | 1.35±0.23 | 6.96 | |
| L 453-49 | | 6:44:32.4 | -38:31:58 | 13.7 | 10.08 | 9.47 | 9.22 | 14.18 | ··· | 1.14 | 2.64 | 4 | 2.20±0.23 | 7.88 | |
| L 528-16** | | 7:38:09.7 | -31:12:19 | 12.3 | 8.20 | 7.57 | 7.30 | 11.87 | 1.56 | 1.07 | 2.39 | 3 | 1.15±0.23 | 7.05 | |
| 783- 21 | | 7:53:37.4 | -18:57:57 | 13.5 | 9.74 | 9.26 | 8.98 | 13.69 | ··· | 1.11 | 2.54 | 4 | 2.41±0.23 | 7.33 | |
| 899- 1 | | 8:13:28.6 | -32:27:30 | 13.0 | 9.09 | 8.45 | 8.20 | 12.67 | 1.50 | 1.03 | 2.31 | 4 | 2.17±0.23 | 6.92 | |
| 843- 16** | | 8:14:22.6 | -25:42:18 | 11.8 | 8.09 | 7.45 | 7.20 | 11.55 | 1.44 | 1.00 | 2.21 | 3 | 1.33±0.23 | 6.76 | |
| 843- 18 | | 8:19:42.5 | -23:48:44 | 13.5 | 9.97 | 9.37 | 9.09 | 13.93 | ··· | 1.11 | 2.55 | 6 | 2.52±0.23 | 7.45 | |
| G 161-19 | | 9:23:24.9 | -5:02:56 | 14.0 | 9.92 | 9.31 | 9.06 | 13.64 | ··· | 1.07 | 2.42 | 3 | 2.84±0.23 | 7.08 | |
| G 161-20 | | 9:23:25.7 | -5:03:00 | 14.3 | 10.00 | 9.40 | 9.16 | 13.69 | ··· | 1.07 | 2.41 | 3 | 2.97±0.23 | 7.03 | |
| 731- 65 | | 10:50:32.8 | -13:26:13 | 15.0 | 11.12 | 10.52 | 10.22 | 15.60 | ··· | 1.23 | 2.87 | 3 | 2.61±0.25 | 8.51 | |
| 673-101 | | 11:36:17.1 | -5:26:49 | 12.7 | 9.31 | 8.64 | 8.45 | 12.09 | 1.40 | 0.89 | 1.78 | 4 | 3.42±0.23 | 5.89 | |
| 851-399* | | 11:57:53.5 | -23:49:00 | 14.6 | 10.23 | 9.69 | 9.33 | 14.77 | ··· | 1.26 | 2.93 | 6 | 1.44±0.24 | 8.79 | |
| 851-410 | | 11:58:19.8 | -22:40:59 | 13.7 | 9.35 | 8.69 | 8.44 | 13.22 | ··· | 1.11 | 2.52 | 3 | 2.00±0.23 | 7.35 | |
| L 553-179 | | 16:00:27.9 | -34:43:16 | 13.7 | 9.71 | 9.24 | 8.94 | 13.58 | ··· | 1.09 | 2.49 | 3 | 2.47±0.30 | 7.24 | |
| 553-44** | | 16:01:56.5 | -33:57:07 | 11.5 | 7.80 | 7.21 | 6.94 | 12.17 | 1.57 | 1.14 | 2.61 | 2 | -0.58±0.23 | 8.38 | 2 |
| 202-148 | | 16:19:51.3 | -58:16:32 | 11.6 | 8.30 | 7.68 | 7.48 | 10.93 | 1.37 | 0.85 | 1.63 | 2 | 2.60±0.30 | 5.70 | |
| 917- 25 | | 16:20:37.6 | -30:39:40 | 12.5 | 8.56 | 8.02 | 7.79 | 11.96 | 1.43 | 0.98 | 2.15 | 2 | 1.97±0.23 | 6.59 | |
| 862-197 | | 16:38:31.8 | -21:14:07 | 15.0 | 11.06 | 10.46 | 10.18 | 15.53 | ··· | 1.27 | 2.91 | 3 | 2.31±0.23 | 8.75 | 3 |
| 919- 15 | | 17:12:01.2 | -27:46:01 | 14.1 | 9.49 | 8.92 | 8.66 | 13.40 | 1.58 | 1.11 | 2.54 | 2 | 2.16±0.30 | 7.33 | |
| 864- 12 | | 17:21:56.8 | -27:07:15 | 12.2 | 8.85 | 8.36 | 8.06 | 12.16 | 1.56 | 1.01 | 2.14 | 2 | 2.36±0.30 | 6.49 | |
| T 17 | | 17:24:36.2 | -30:56:53 | 14.7 | 11.01 | 10.37 | 10.07 | 14.62 | ··· | 1.07 | 2.37 | 2 | 4.00±0.23 | 7.01 | |
| L 485-9 | | 17:24:54.1 | -35:28:34 | 14.5 | 10.46 | 9.86 | 9.60 | 13.80 | ··· | 1.01 | 2.14 | 2 | 3.88±0.30 | 6.58 | |
| L 485-8 | | 17:25:00.3 | -35:29:32 | 13.5 | 9.41 | 8.93 | 8.71 | 13.23 | 1.56 | 0.97 | 2.02 | 2 | 1.82±0.23 | 7.59 | |
| 748- 24 | | 17:39:16.6 | -14:12:09 | 14.4 | 10.58 | 10.01 | 9.78 | 14.59 | ··· | 1.13 | 2.62 | 1 | 3.14±0.30 | 7.44 | |
| G 154-10 | | 17:43:39.9 | -14:41:14 | 15.2 | 11.24 | 10.67 | 10.41 | 15.48 | ··· | 1.16 | 2.69 | 1 | 3.31±0.24 | 7.93 | |
| L 559-169 | | 17:50:08.7 | -33:54:14 | 13.6 | 9.92 | 9.29 | 9.05 | 13.53 | ··· | 1.07 | 2.39 | 2 | 2.98±0.30 | 6.94 | 2 |
| 921- 23 | | 17:58:24.5 | -31:40:54 | 14.8 | 10.82 | 10.19 | 9.92 | 14.78 | ··· | 1.17 | 2.67 | 2 | 3.37±0.24 | 7.45 | 4 |
| 810- 12 | | 18:25:34.1 | -18:02:45 | 13.2 | 9.64 | 9.07 | 8.80 | 12.79 | 1.53 | 0.98 | 2.07 | 2 | 3.31±0.30 | 6.33 | |
| G 155-18 | | 18:29:15.7 | -15:43:51 | 14.2 | 9.85 | 9.22 | 8.95 | 13.69 | ··· | 1.16 | 2.61 | 2 | 2.58±0.30 | 7.27 | |
| 867- 15** | | 18:42:11.1 | -23:28:58 | 13.2 | 8.25 | 7.72 | 7.43 | 12.11 | 1.65 | 1.11 | 2.50 | 2 | 0.98±0.30 | 7.27 | |
| G 155-41 | | 18:47:36.0 | -17:03:15 | 14.1 | 10.03 | 9.49 | 9.23 | 13.61 | ··· | 1.03 | 2.32 | 2 | 3.18±0.30 | 6.85 | |
| 346- 11 | | 18:58:16.9 | -45:14:14 | 15.1 | 10.46 | 9.84 | 9.64 | 14.14 | ··· | 1.04 | 2.30 | 2 | 3.41±0.30 | 7.05 | |
| 812-110 | | 19:21:05.6 | -20:17:02 | 14.6 | 10.29 | 9.71 | 9.43 | 14.35 | ··· | 1.17 | 2.69 | 1 | 2.73±0.23 | 7.56 | |
| 813- 36 | L 780-87 | 19:33:24.3 | -17:34:19 | 14.4 | 10.35 | 9.84 | 9.57 | 14.13 | ··· | 1.05 | 2.44 | 1 | 3.23±0.30 | 7.12 | |

Table 3—Continued

| name | Other | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | V | B-V | V-R | V-I | $N_{obs}$ | (m-M) | $M_J$ | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L 567-63** | | 20:34:31.1 | -32:30:59 | 12.4 | 8.38 | 7.77 | 7.51 | 12.15 | 1.52 | 1.08 | 2.43 | 2 | 1.19±0.30 | 7.19 | |
| 757- 92** | | 21:11:24.2 | -9:40:32 | 15.3 | 10.94 | 10.30 | 9.95 | 16.56 | ··· | 1.64 | 3.60 | 3 | 1.09±0.16 | 9.85 | |
| 358- 12 | | 22:50:58.2 | -45:48:35 | 14.5 | 9.88 | 9.32 | 9.08 | 13.30 | ··· | 1.03 | 2.23 | 2 | 3.24±0.30 | 6.64 | |
| NLTT3 | | | | | | | | | | | | | | | |
| 824- 94 | G 266-31 | 0:03:25.6 | -24:29:09 | 13.5 | 9.69 | 9.02 | 8.84 | 12.87 | ··· | 1.00 | 2.18 | 1 | 3.32±0.30 | 6.37 | |
| 767- 16 | | 1:10:29.4 | -15:10:07 | 13.6 | 10.08 | 9.41 | 9.16 | 14.23 | ··· | 1.20 | 2.79 | 1 | 2.35±0.30 | 7.74 | 5 |
| G 75-25 | | 2:34:18.5 | -5:23:06 | 14.3 | 9.82 | 9.23 | 8.95 | 13.39 | ··· | 1.04 | 2.33 | 2 | 2.92±0.30 | 6.90 | |
| 775- 44 | | 4:21:31.6 | -19:45:23 | 11.3 | 7.89 | 7.24 | 7.11 | 10.44 | 1.35 | 0.83 | 1.57 | 2 | 2.30±0.30 | 5.59 | |
| 775- 49 | BD-16:891 | 4:32:58.2 | -16:32:35 | 11.3 | 8.28 | 7.69 | 7.46 | 10.89 | 1.35 | 0.85 | 1.64 | 2 | 2.59±0.30 | 5.69 | |
| G 108-4** | | 6:29:50.3 | -2:47:45 | 13.8 | 9.48 | 8.90 | 8.64 | 13.83 | ··· | 1.20 | 2.81 | 2 | 1.24±0.32 | 8.24 | |
| G 108-13 | | 6:33:07.0 | -4:31:18 | 14.5 | 10.61 | 10.00 | 9.76 | 14.85 | ··· | 1.18 | 2.74 | 2 | 2.59±0.30 | 8.02 | |
| G 108-17 | | 6:39:18.4 | -2:05:46 | 14.6 | 10.75 | 10.19 | 9.96 | 14.93 | ··· | 1.17 | 2.69 | 2 | 2.86±0.30 | 7.89 | |
| 780- 23 | | 6:40:08.6 | -16:27:26 | 12.4 | 9.15 | 8.53 | 8.29 | 12.94 | 1.58 | 1.11 | 2.51 | 2 | 1.98±0.30 | 7.17 | |
| 661- 2 | | 6:50:59.5 | -9:10:50 | 13.8 | 9.39 | 8.74 | 8.56 | 13.31 | ··· | 1.11 | 2.55 | 1 | 2.04±0.30 | 7.35 | |
| 661- 13** | | 6:56:19.0 | -8:35:46 | 14.7 | 9.62 | 9.03 | 8.74 | 13.97 | ··· | 1.21 | 2.80 | 2 | 1.47±0.30 | 8.15 | |
| 661- 17 | | 6:57:46.0 | -5:34:41 | 15.0 | 10.79 | 10.20 | 9.94 | 14.81 | ··· | 1.16 | 2.64 | 1 | 3.31±0.30 | 7.48 | |
| 896- 16 | | 7:04:54.3 | -28:01:13 | 14.3 | 10.10 | 9.50 | 9.23 | 14.28 | ··· | 1.16 | 2.69 | 2 | 2.14±0.30 | 7.96 | |
| 840- 16* | | 7:08:07.0 | -22:48:47 | 11.6 | 8.08 | 7.50 | 7.24 | 11.42 | 1.55 | 1.00 | 2.15 | 2 | 1.52±0.30 | 6.56 | |
| G 112-5 | | 7:17:18.4 | -3:11:53 | 13.5 | 9.50 | 8.76 | 8.62 | 12.43 | 1.34 | 0.91 | 1.90 | 1 | 3.43±0.30 | 6.07 | |
| 41- 12 | | 7:22:15.1 | -26:35:19 | 14.3 | 10.31 | 9.64 | 9.40 | 13.44 | ··· | 0.96 | 2.04 | 3 | 3.96±0.30 | 6.35 | |
| 883 | | 7:47:25.6 | -8:59:17 | 11.4 | 8.39 | 7.72 | 7.58 | 10.91 | 1.33 | 0.83 | 1.57 | 1 | 2.81±0.30 | 5.58 | |
| CD-29:5220 | | 7:57:18.8 | -30:08:49 | 11.1 | 8.09 | 7.55 | 7.39 | 10.34 | 1.19 | 0.73 | 1.35 | 2 | 2.82±0.30 | 5.27 | |
| 784- 22 | | 7:57:57.0 | -16:33:40 | 12.5 | 9.09 | 8.41 | 8.23 | 11.94 | 1.40 | 0.90 | 1.85 | 2 | 3.12±0.30 | 5.97 | |
| 784- 11 | | 7:59:34.4 | -16:17:58 | 11.4 | 8.59 | 7.93 | 7.76 | 11.25 | 1.39 | 0.87 | 1.69 | 1 | 2.84±0.30 | 5.75 | |
| R 397 | G 113-35 | 8:25:39.2 | -6:53:33 | 11.7 | 8.58 | 7.96 | 7.78 | 11.02 | 1.33 | 0.81 | 1.53 | 1 | 3.09±0.30 | 5.49 | |
| 186- 42 | | 8:35:47.5 | -56:45:13 | 12.1 | 8.98 | 8.35 | 8.16 | 11.78 | 1.43 | 0.90 | 1.79 | 1 | 3.09±0.30 | 5.89 | |
| 786- 55 | BD-17 2676 | 8:52:20.3 | -17:45:10 | 11.6 | 8.47 | 7.87 | 7.71 | 10.73 | 1.25 | 0.76 | 1.40 | 1 | 3.15±0.30 | 5.32 | |
| 727- 22 | G216-75 | 9:24:14.2 | -9:48:22 | 11.4 | 8.58 | 7.96 | 7.77 | 11.22 | 1.33 | 0.85 | 1.66 | 1 | 2.87±0.30 | 5.71 | |
| 851- 27 | | 11:36:57.1 | -23:29:47 | 13.0 | 9.32 | 8.43 | 8.41 | 12.90 | ··· | 1.11 | 2.54 | 1 | 2.42±0.30 | 6.90 | |

Note. — ** identifies stars with formal distance estimates $d \leq 20$ parsecs

* identifies stars with formal distance estimates within $1\sigma$ of 20 parsecs

Column 1 lists the designation from the NLTT catalogue: R=Ross, W=Wolf, Oxf=Oxford catalogue. We have added Lowell Observatory Proper Motion Survey identifications (Giclas *et al.*, 1971) where appropriate.

Column 2 lists an alternative name, usually from either the pCNS3 or the LHS catalogue;

Columns 3 and 4 list the position of the 2MASS source; Column 5 gives the Luyten $m_r$ magnitude; Columns 6-8 list the 2MASS photometry;

Columns 9-12 list the optical photometry, and column 13 gives the number of observations;

Column 14 gives the estimated distance modulus and column 15 the corresponding $M_J$. Notes:

1. probably variable; constant colours; 2. probably variable; 3. possibly affected by nearby field star; 4. crowded field; 5. LP 767-16 is a close binary, separation $\sim$ 1.5 arcseconds. Both 2MASS and the optical data provide joint photometry; the distance estimate assumes an equal-magnitude system.

Table 4. Narrowband indices for NLTT dwarfs

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| NLTT1 | | | | | | | | | |
| LP 348-40 | 0.43 | 0.47 | 0.85 | 0.44 | 0.74 | 1.48 | 1.95 | 0.97 | M3.5 |
| G 171-59 | 0.60 | 0.61 | 0.82 | 0.55 | 0.78 | 1.28 | 1.95 | 1.42 | M1.5 |
| G 171-61 | 0.65 | 0.62 | 0.80 | 0.59 | 0.80 | 1.18 | 1.96 | 0.97 | M1.5 |
| G 132-4 | 0.47 | 0.51 | 0.85 | 0.47 | 0.76 | 1.42 | 1.95 | 0.95 | M3.5 |
| LP 765-74 | 0.63 | 0.58 | 0.81 | 0.55 | 0.79 | 1.21 | 1.94 | 0.98 | M1.5 |
| G 172-22 | 0.44 | 0.46 | 0.86 | 0.45 | 0.76 | 1.55 | 1.96 | 0.96 | M3.5 |
| G 69-32 | 0.42 | 0.39 | 0.80 | 0.39 | 0.68 | 1.66 | 1.98 | 1.36 | M3.5 |
| G 132-42 | 0.40 | 0.45 | 0.87 | 0.43 | 0.75 | 1.56 | 1.95 | 0.99 | M4.0 |
| G 172-41 | 0.50 | 0.56 | 0.88 | 0.50 | 0.79 | 1.32 | 1.94 | 0.96 | M3.0 |
| LP 351-6 | 0.61 | 0.59 | 0.88 | 0.56 | 0.80 | 1.20 | 1.93 | 0.97 | M1.5 |
| LP 243-36 | 0.34 | 0.48 | 0.82 | 0.40 | 0.68 | 1.72 | 2.02 | 1.72 | M4.5 |
| LP 828-75 | 0.28 | 0.51 | 0.61 | 0.27 | 0.66 | 2.35 | 2.08 | 1.38 | M5.5 |
| G 173-37 | 0.48 | 0.49 | 0.79 | 0.43 | 0.69 | 1.37 | 1.97 | 1.13 | M3.5 |
| G 35-32 | 0.46 | 0.48 | 0.84 | 0.46 | 0.76 | 1.41 | 1.97 | 0.98 | M3.5 |
| LP 409-52 | 0.36 | 0.40 | 0.73 | 0.34 | 0.61 | 1.81 | 2.00 | 1.62 | M4.5 |
| G 74-12 | 0.45 | 0.48 | 0.80 | 0.43 | 0.71 | 1.37 | 1.95 | 0.98 | M3.5 |
| G 35-39 | 0.55 | 0.52 | 0.82 | 0.48 | 0.75 | 1.26 | 1.98 | 0.99 | M2.5 |
| LP 353-78 | 0.88 | 0.87 | 0.93 | 0.84 | 0.91 | 1.03 | 1.96 | 0.94 | K5 |
| LP 298-53 | 0.63 | 0.63 | 0.83 | 0.55 | 0.77 | 1.23 | 1.97 | 1.26 | M1.5 |
| G 36-39 | 0.38 | 0.45 | 0.88 | 0.39 | 0.71 | 1.55 | 1.95 | 0.99 | M4.5 |
| G 134-56 | 0.91 | 0.88 | 0.94 | 0.85 | 0.91 | 1.02 | 1.96 | 0.96 | K5 |
| G 134-68 | 0.43 | 0.46 | 0.85 | 0.41 | 0.71 | 1.46 | 1.97 | 0.96 | M3.5 |
| LP 837- 37 | 0.22 | 0.35 | 0.87 | 0.28 | 0.54 | 3.24 | 2.13 | 2.21 | M6.0 |
| G 78-15 | 0.63 | 0.61 | 0.82 | 0.57 | 0.79 | 1.18 | 1.96 | 0.96 | M1.5 |
| LP 355-27 | 0.37 | 0.42 | 0.81 | 0.37 | 0.67 | 1.73 | 1.97 | 1.46 | M4.5 |
| LP 247-13 | 0.48 | 0.54 | 0.82 | 0.45 | 0.71 | 1.46 | 1.93 | 1.66 | M3.5 |
| W 140 | 0.41 | 0.48 | 0.83 | 0.43 | 0.72 | 1.50 | 1.95 | 0.97 | M4.0 |
| W 142 | 0.51 | 0.51 | 0.82 | 0.49 | 0.76 | 1.33 | 1.94 | 0.97 | M2.5 |
| LP 31-103 | 0.75 | 0.69 | 0.88 | 0.65 | 0.83 | 1.12 | 1.96 | 0.95 | M0.5 |
| LP 413-24 | 0.38 | 0.41 | 0.79 | 0.43 | 0.71 | 1.61 | 1.94 | 1.34 | M4.5 |
| W 1269 | 0.59 | 0.62 | 0.85 | 0.62 | 0.84 | 1.23 | 1.87 | 0.94 | M2.0 |
| G 38-22 | 0.65 | 0.63 | 0.87 | 0.61 | 0.84 | 1.21 | 1.95 | 0.95 | M1.5 |
| LP 301-25 | 0.43 | 0.39 | 0.80 | 0.42 | 0.73 | 1.47 | 1.95 | 0.96 | M3.5 |
| LP 833-45 | 0.31 | 0.35 | 0.95 | 0.34 | 0.67 | 2.04 | 2.04 | 1.07 | M5.0 |
| G 7-25 | 0.56 | 0.53 | 0.79 | 0.55 | 0.78 | 1.31 | 1.93 | 0.94 | M2.5 |
| LP 31-339 | 0.68 | 0.62 | 0.85 | 0.64 | 0.84 | 1.18 | 1.95 | 0.99 | M1.0 |
| G 8-31 | 0.39 | 0.38 | 0.83 | 0.40 | 0.71 | 1.63 | 1.95 | 0.99 | M4.0 |
| LP 15-272 | 0.56 | 0.53 | 0.86 | 0.52 | 0.79 | 1.32 | 1.93 | 0.97 | M2.5 |
| G 8-47 | 0.39 | 0.36 | 0.76 | 0.46 | 0.73 | 1.59 | 1.89 | 0.96 | M4.0 |
| G 8-48 | 0.46 | 0.47 | 0.81 | 0.45 | 0.74 | 1.49 | 1.93 | 1.08 | M3.5 |
| LP 415-1896 | 0.64 | 0.58 | 0.85 | 0.59 | 0.84 | 1.23 | 1.94 | 0.97 | M1.5 |
| LP 776-25 | 0.50 | ··· | 0.85 | 0.46 | 0.71 | 1.39 | 1.97 | 1.25 | M3.0 |
| LP 717-36 | 0.47 | ··· | 0.82 | 0.44 | 0.68 | 1.46 | 2.00 | 1.20 | M3.5 |
| LP 15-164 | 0.72 | 0.70 | 0.89 | 0.70 | 0.87 | 1.14 | 1.92 | 0.95 | M0.5 |
| LP 718- 5 | 0.28 | 0.14 | 0.93 | 0.27 | 0.60 | 2.49 | 2.15 | 1.03 | M6.5 |
| LP 658-106 | 0.20 | 0.15 | 0.83 | 0.25 | 0.52 | 2.68 | 2.06 | 1.12 | M6.5 |
| LP 33-218 | 0.67 | 0.67 | 0.86 | 0.64 | 0.83 | 1.15 | 1.94 | 0.95 | M1.0 |
| LP 15-235 | 0.54 | 0.55 | 0.81 | 0.52 | 0.78 | 1.29 | 1.93 | 0.97 | M2.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| G 101-18 | 0.55 | 0.52 | 0.81 | 0.49 | 0.76 | 1.36 | 1.96 | 1.09 | M2.5 |
| LP 15-236 | 0.45 | 0.45 | 0.92 | 0.48 | 0.77 | 1.46 | 1.93 | 0.95 | M3.5 |
| G 101-32 | 0.42 | 0.44 | 0.82 | 0.43 | 0.75 | 1.51 | 1.92 | 0.97 | M3.5 |
| G 103-41 | 0.46 | 0.48 | 0.84 | 0.44 | 0.74 | 1.42 | 1.92 | 0.98 | M3.5 |
| G 103-43 | 0.54 | 0.53 | 0.80 | 0.50 | 0.75 | 1.27 | 1.97 | 1.02 | M2.5 |
| G 107-20 | 0.50 | 0.52 | 0.83 | 0.47 | 0.75 | 1.33 | 1.95 | 0.97 | M3.0 |
| G 103-66 | 0.46 | 0.51 | 0.86 | 0.47 | 0.75 | 1.38 | 1.94 | 0.98 | M3.5 |
| G 109-29 | 0.47 | 0.49 | 0.81 | 0.43 | 0.71 | 1.41 | 1.95 | 0.98 | M3.5 |
| LP 34-110 | 0.78 | 0.74 | 0.78 | 0.66 | 0.83 | 1.22 | 1.89 | 0.95 | M0.5 |
| G 88-2 | 0.47 | 0.48 | 0.82 | 0.47 | 0.74 | 1.40 | 1.93 | 0.97 | M3.5 |
| LP 16-379 | 0.47 | 0.48 | 0.81 | 0.44 | 0.72 | 1.35 | 1.95 | 0.97 | M3.5 |
| LP 34-143 | 0.41 | 0.47 | 0.88 | 0.41 | 0.72 | 1.51 | 1.96 | 0.95 | M3.5 |
| G 109-51 | 0.38 | 0.49 | 0.88 | 0.42 | 0.73 | 1.59 | 1.96 | 0.94 | M4.5 |
| LP 162-1 | 0.39 | 0.46 | 0.85 | 0.43 | 0.74 | 1.56 | 1.94 | 0.98 | M4.0 |
| BD+20:1790 | 0.89 | 0.94 | 0.98 | 0.90 | 0.93 | 1.03 | 1.96 | 1.07 | K5 |
| G 88-33 | 0.36 | 0.42 | 0.86 | 0.41 | 0.74 | 1.62 | 1.96 | 0.96 | M4.5 |
| G 88-37 | 0.47 | 0.54 | 0.85 | 0.47 | 0.75 | 1.36 | 1.94 | 0.94 | M3.5 |
| LP 17-66 | 0.46 | 0.45 | 0.84 | 0.44 | 0.73 | 1.40 | 1.93 | 0.99 | M3.5 |
| G 88-49 | 0.55 | 0.59 | 0.87 | 0.58 | 0.82 | 1.27 | 1.94 | 0.95 | M2.5 |
| G 111-56 | 0.36 | 0.41 | 0.83 | 0.39 | 0.67 | 1.54 | 1.98 | 1.16 | M4.5 |
| W 1469 | 0.50 | 0.52 | 0.83 | 0.59 | 0.75 | 1.33 | 1.93 | 0.98 | M3.0 |
| LP 35-257 | 0.44 | 0.48 | 0.86 | 0.45 | 0.75 | 1.42 | 1.92 | 0.95 | M3.5 |
| LP 321-16 | 0.42 | 0.47 | 0.84 | 0.44 | 0.74 | 1.48 | 1.94 | 0.97 | M3.5 |
| G 40-36 | 0.38 | 0.39 | 0.76 | 0.36 | 0.65 | 1.57 | 1.99 | 1.23 | M4.5 |
| LP 726-11 | 0.57 | ··· | 0.84 | 0.50 | 0.73 | 1.32 | 2.00 | 1.26 | M2.5 |
| LP 726-12 | 0.45 | ··· | 0.81 | 0.40 | 0.65 | 1.47 | 2.01 | 1.17 | M3.5 |
| G 41-13 | 0.51 | 0.48 | 0.80 | 0.51 | 0.77 | 1.31 | 1.95 | 0.97 | M2.5 |
| BD+25 3037 | 0.92 | 0.92 | 0.96 | 0.93 | 0.96 | 1.02 | 1.96 | 0.94 | K7 |
| G 115-72 | 0.67 | 0.59 | 0.83 | 0.59 | 0.82 | 1.20 | 1.96 | 1.00 | M1.5 |
| Wolf 346 | 0.65 | ··· | 0.80 | 0.51 | 0.75 | 1.20 | 2.04 | 0.97 | M1.5 |
| G 235-35 | 0.59 | ··· | 0.80 | 0.44 | 0.70 | 1.32 | 2.01 | 1.03 | M2.0 |
| LP 212-62 | 0.36 | ··· | 0.85 | 0.36 | 0.67 | 1.88 | 2.05 | 1.28 | M4.5 |
| LP 92-180 | 0.71 | ··· | 0.85 | 0.56 | 0.80 | 1.17 | 1.98 | 0.96 | M0.5 |
| LP 127-502 | 0.42 | ··· | 0.80 | 0.37 | 0.65 | 1.63 | 2.02 | 1.29 | M3.5 |
| LP 491-51 | 0.45 | ··· | 0.83 | 0.41 | 0.66 | 1.44 | 2.01 | 1.10 | M3.5 |
| LP 170-65 | 0.40 | ··· | 0.81 | 0.37 | 0.65 | 1.60 | 2.02 | 1.00 | M4.0 |
| LP 320-626 | 0.54 | ··· | 0.86 | 0.47 | 0.75 | 1.36 | 1.95 | 0.98 | M2.5 |
| LP 64-185 | 0.61 | ··· | 0.83 | 0.49 | 0.77 | 1.26 | 1.99 | 0.94 | M1.5 |
| G 199-16 | 0.57 | ··· | 0.81 | 0.45 | 0.72 | 1.30 | 1.98 | 0.95 | M2.5 |
| G 199-28 | 0.50 | ··· | 0.88 | 0.49 | 0.76 | 1.40 | 1.97 | 0.97 | M3.0 |
| G 123-45 | 0.42 | ··· | 0.82 | 0.39 | 0.68 | 1.52 | 2.03 | 0.94 | M3.5 |
| LP 20-391 | 0.83 | ··· | 0.90 | 0.73 | 0.88 | 1.08 | 1.99 | 0.98 | M0.5 |
| Grw+77:4616 | 0.98 | ··· | 0.95 | 0.82 | 0.93 | 1.01 | 2.01 | 0.97 | K5 |
| G 199-57 | 0.59 | ··· | 0.86 | 0.46 | 0.73 | 1.29 | 2.00 | 0.92 | M2.0 |
| R 493 | 0.72 | ··· | 0.87 | 0.63 | 0.84 | 1.16 | 1.95 | 0.97 | M0.5 |
| LP 323-276 | 0.45 | ··· | 0.85 | 0.44 | 0.73 | 1.45 | 1.98 | 0.93 | M3.5 |
| LP 21-194 | 0.90 | ··· | 0.93 | 0.70 | 0.89 | 1.05 | 2.01 | 0.97 | K7 |
| BD+51:1878 | 0.98 | ··· | 0.99 | 0.89 | 0.95 | 1.00 | 1.96 | 0.96 | K5 |
| G 177-63 | 0.44 | ··· | 0.87 | 0.44 | 0.74 | 1.51 | 1.98 | 0.95 | M3.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| G 165-58 | 0.50 | ··· | 0.80 | 0.45 | 0.69 | 1.34 | 2.00 | 0.95 | M3.0 |
| G 224-13 | 0.64 | ··· | 0.82 | 0.53 | 0.77 | 1.21 | 1.96 | 0.96 | M1.5 |
| LP 325-34 | 0.49 | ··· | 0.87 | 0.48 | 0.76 | 1.40 | 1.97 | 0.96 | M3.0 |
| LP 326-38 | 0.46 | ··· | 0.81 | 0.42 | 0.67 | 1.48 | 1.99 | 1.34 | M3.5 |
| LP 41-431 | 0.54 | ··· | 0.87 | 0.48 | 0.76 | 1.35 | 1.93 | 0.96 | M2.5 |
| LP 272-42 | 0.40 | 0.49 | 0.89 | 0.42 | 0.71 | 1.52 | 1.95 | 0.97 | M4.0 |
| LP 272-63 | 0.55 | 0.55 | 0.79 | 0.49 | 0.75 | 1.26 | 1.97 | 0.97 | M2.5 |
| LP 177-278 | 0.42 | 0.47 | 0.84 | 0.43 | 0.72 | 1.52 | 1.96 | 0.93 | M3.5 |
| LP 274-65 | 0.53 | 0.54 | 0.85 | 0.49 | 0.77 | 1.31 | 1.96 | 0.97 | M2.5 |
| G 168-25 | 0.43 | 0.43 | 0.79 | 0.42 | 0.71 | 1.48 | 1.98 | 0.95 | M3.5 |
| LP 100-134 | 0.46 | 0.44 | 0.77 | 0.42 | 0.67 | 1.38 | 1.96 | 1.01 | M3.5 |
| G 181-32 | 0.55 | 0.54 | 0.81 | 0.49 | 0.74 | 1.27 | 1.95 | 0.98 | M2.5 |
| LP 230-29 | 0.35 | 0.41 | 0.80 | 0.38 | 0.69 | 1.65 | 1.99 | 0.90 | M4.5 |
| W1110 | 0.57 | 0.60 | 0.82 | 0.52 | 0.76 | 1.25 | 1.96 | 0.99 | M2.5 |
| LP 287-15 | 0.43 | 0.46 | 0.85 | 0.43 | 0.73 | 1.47 | 1.94 | 0.96 | M3.5 |
| R 268 | 0.42 | 0.45 | 0.83 | 0.43 | 0.73 | 1.48 | 1.94 | 0.97 | M3.5 |
| G 127-42 | 0.46 | 0.49 | 0.84 | 0.45 | 0.73 | 1.38 | 1.96 | 0.94 | M3.5 |
| G 156-37A | 0.36 | 0.41 | 0.81 | 0.40 | 0.69 | 1.62 | 1.95 | 1.01 | M4.5 |
| G 156-37B | 0.46 | 0.49 | 0.84 | 0.48 | 0.75 | 1.41 | 1.95 | 0.96 | M3.5 |
| LP 461-11 | 0.47 | 0.49 | 0.83 | 0.44 | 0.73 | 1.37 | 1.95 | 0.98 | M3.5 |
| G 68-46 | 0.41 | 0.42 | 0.78 | 0.38 | 0.66 | 1.72 | 1.97 | 1.60 | M4.0 |
| NLTT2 | | | | | | | | | |
| LP 644-94 | 0.61 | 0.57 | 0.83 | 0.58 | 0.79 | 1.26 | 1.94 | 0.98 | M1.5 |
| LP 880-803 | 0.58 | 0.53 | 0.81 | 0.53 | 0.75 | 1.27 | 1.97 | 0.99 | M2.0 |
| LP 292-63 | 0.28 | 0.32 | 0.76 | 0.34 | 0.62 | 2.08 | 2.04 | 1.63 | M5.5 |
| LP 86-82 | 0.77 | 0.72 | 0.88 | 0.68 | 0.85 | 1.11 | 1.97 | 0.97 | M0.5 |
| LP 881-50 | 0.53 | 0.52 | 0.83 | 0.53 | 0.79 | 1.31 | 1.93 | 0.96 | M2.5 |
| LP 881-102 | 0.53 | 0.53 | 0.83 | 0.52 | 0.76 | 1.38 | 1.95 | 0.96 | M2.5 |
| LP 50-78 | 0.44 | 0.45 | 0.85 | 0.43 | 0.71 | 1.53 | 1.97 | 0.96 | M3.5 |
| G 172-10 | 0.44 | 0.47 | 0.87 | 0.46 | 0.74 | 1.49 | 1.94 | 0.96 | M3.5 |
| LP 881-239 | 0.47 | 0.44 | 0.81 | 0.44 | 0.72 | 1.47 | 1.98 | 1.04 | M3.5 |
| LP 825-628 | 0.53 | 0.57 | 0.83 | 0.60 | 0.78 | 1.32 | 1.89 | 0.96 | M2.5 |
| LP 881-272 | 0.58 | 0.48 | 0.74 | 0.46 | 0.70 | 1.22 | 1.99 | 0.96 | sdM3 |
| LP 466-140 | 0.47 | 0.47 | 0.74 | 0.45 | 0.69 | 1.39 | 1.95 | 1.28 | M3.5 |
| LP 466-156 | 0.47 | 0.41 | 0.75 | 0.39 | 0.64 | 1.45 | 1.93 | 1.28 | sdM4 |
| LP 586-73 | 0.60 | 0.56 | 0.84 | 0.51 | 0.75 | 1.29 | 2.00 | 1.35 | M2.0 |
| LP 466-236 | 0.60 | 0.63 | 0.86 | 0.58 | 0.79 | 1.25 | 1.93 | 0.99 | M1.5 |
| LP 827-167 | 0.34 | 0.32 | 0.70 | 0.36 | 0.63 | 1.83 | 1.98 | 1.23 | M4.5 |
| LP 883-542 | 0.56 | 0.53 | 0.85 | 0.53 | 0.78 | 1.33 | 1.96 | 0.96 | M2.5 |
| LP 883-432 | 0.42 | 0.45 | 0.87 | 0.45 | 0.73 | 1.58 | 1.95 | 0.95 | M3.5 |
| LP 768-199 | 0.56 | 0.52 | 0.79 | 0.52 | 0.76 | 1.27 | 1.96 | 0.98 | M2.5 |
| LP 828-89 | 0.68 | 0.66 | 0.85 | 0.62 | 0.81 | 1.20 | 1.96 | 1.27 | M1.0 |
| LP 768-670 | 0.40 | 0.39 | 0.80 | 0.40 | 0.69 | 1.60 | 1.99 | 1.00 | M4.0 |
| LP 768-702 | 0.78 | 0.73 | 0.88 | 0.68 | 0.86 | 1.09 | 1.97 | 0.95 | M0.5 |
| LP13-529 | 0.42 | 0.43 | 0.72 | 0.46 | 0.74 | 1.51 | 1.92 | 1.06 | M3.5 |
| G 173-44 | 0.41 | 0.47 | 0.84 | 0.41 | 0.71 | 1.48 | 1.95 | 0.96 | M3.5 |
| LP 650-215 | 0.38 | 0.35 | 0.76 | 0.36 | 0.62 | 1.82 | 2.00 | 1.60 | M4.5 |
| LP 353-75 | 0.45 | 0.49 | 0.86 | 0.49 | 0.78 | 1.41 | 1.97 | 0.95 | M3.5 |
| LP 650-158 | 0.63 | 0.59 | 0.85 | 0.55 | 0.79 | 1.22 | 1.98 | 1.01 | M1.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 941-160 | 0.41 | 0.41 | 0.87 | 0.38 | 0.65 | 1.62 | 1.95 | 1.23 | M4.0 |
| G 36-26 | 0.31 | 0.39 | 0.77 | 0.36 | 0.61 | 1.98 | 1.99 | 1.60 | M5.0 |
| LP 650-323 | 0.37 | 0.34 | 0.81 | 0.36 | 0.66 | 1.81 | 2.02 | 1.25 | M4.5 |
| LP 650-337 | 0.72 | 0.64 | 0.84 | 0.61 | 0.81 | 1.15 | 1.98 | 0.96 | M0.5 |
| LP 354-164 | 0.48 | 0.54 | 0.81 | 0.47 | 0.75 | 1.39 | 1.96 | 0.96 | M3.5 |
| LP 650-366 | 0.45 | 0.43 | 0.85 | 0.42 | 0.70 | 1.46 | 1.98 | 0.95 | M3.5 |
| LP 650-407 | 0.50 | 0.48 | 0.83 | 0.48 | 0.77 | 1.44 | 1.96 | 0.91 | M3.0 |
| LP 771-21 | 0.24 | 0.37 | 0.87 | 0.27 | 0.60 | 3.09 | 2.29 | 1.24 | M8.0 |
| LP 154-66 | 0.60 | 0.61 | 0.85 | 0.60 | 0.80 | 1.21 | 1.91 | 0.96 | M2.0 |
| G 95-2 | 0.47 | 0.46 | 0.86 | 0.45 | 0.73 | 1.41 | 1.96 | 0.95 | M3.5 |
| LP 591-248 | 0.24 | 0.34 | 0.71 | 0.27 | 0.57 | 2.01 | 2.07 | 0.98 | M5.5 |
| LP 887-84 | 0.58 | 0.56 | 0.81 | 0.54 | 0.78 | 1.27 | 1.95 | 0.96 | M2.0 |
| LP 198-310 | 0.48 | 0.46 | 0.86 | 0.46 | 0.74 | 1.43 | 1.95 | 0.94 | M3.5 |
| LP 198-596 | 0.44 | 0.41 | 0.77 | 0.44 | 0.69 | 1.50 | 1.91 | 0.96 | M3.5 |
| LP 652-192 | 0.55 | 0.51 | 0.83 | 0.52 | 0.78 | 1.32 | 1.97 | 0.96 | M2.5 |
| LP 831-68 | 0.61 | 0.61 | 0.85 | 0.58 | 0.82 | 1.24 | 1.96 | 0.99 | M1.5 |
| LP 652-237 | 0.57 | 0.54 | 0.83 | 0.54 | 0.77 | 1.30 | 1.94 | 0.95 | M2.5 |
| LP 198-637 | 0.66 | 0.66 | 0.85 | 0.61 | 0.81 | 1.17 | 1.96 | 0.96 | M1.5 |
| LP 652-310 | 0.37 | 0.36 | 0.80 | 0.40 | 0.69 | 1.60 | 1.99 | 0.98 | M4.5 |
| LP 356-88 | 0.56 | 0.59 | 0.82 | 0.53 | 0.78 | 1.28 | 1.93 | 0.93 | M2.5 |
| LP 773-52 | 0.47 | 0.43 | 0.75 | 0.42 | 0.68 | 1.43 | 2.01 | 1.00 | M3.5 |
| LP 248-7 | 0.43 | 0.39 | 0.85 | 0.40 | 0.65 | 1.62 | 1.97 | 1.31 | M3.5 |
| LP 655-23 | 0.41 | 0.41 | 0.81 | 0.41 | 0.68 | 1.57 | 1.99 | 1.06 | M4.0 |
| LP 476-37 | 0.17 | 1.53 | 1.17 | 0.31 | 0.56 | 2.72 | 2.22 | 1.45 | M6.5 |
| LP 15-146 | 0.62 | 0.62 | 0.85 | 0.58 | 0.81 | 1.22 | 1.93 | 0.96 | M1.5 |
| LP 658-71 | 0.32 | 0.38 | 0.81 | 0.35 | 0.64 | 1.91 | 2.03 | 1.64 | M5.0 |
| LP 16-166 | 0.66 | 0.57 | 0.86 | 0.56 | 0.79 | 1.20 | 1.95 | 0.96 | M1.5 |
| LP 4-346 | 0.49 | 0.44 | 0.89 | 0.47 | 0.76 | 1.45 | 1.94 | 0.92 | M3.0 |
| LP 4-203 | 0.50 | 0.40 | 0.80 | 0.46 | 0.78 | 1.44 | 1.91 | 0.92 | M3.0 |
| LP 16-197 | 0.34 | 0.24 | 0.84 | 0.31 | 0.65 | 2.05 | 2.07 | 1.30 | M5.5 |
| LP 204-70 | 0.51 | 0.52 | 0.87 | 0.50 | 0.76 | 1.33 | 1.95 | 0.95 | M2.5 |
| LP 720-10 | 0.47 | 0.45 | 0.78 | 0.44 | 0.70 | 1.41 | 1.99 | 1.13 | M3.5 |
| LP 780-32 | 0.42 | 0.42 | 0.81 | 0.42 | 0.70 | 1.49 | 1.97 | 1.00 | M3.5 |
| L 453-31 | 0.54 | 0.55 | 0.85 | 0.51 | 0.77 | 1.31 | 1.97 | 0.98 | M2.5 |
| L 453-49 | 0.44 | 0.46 | 0.81 | 0.44 | 0.73 | 1.41 | 1.97 | 1.00 | M3.5 |
| G 109-30 | 0.49 | 0.46 | 0.80 | 0.50 | 0.75 | 1.39 | 1.98 | 0.95 | M3.0 |
| LP 58-190 | 0.42 | 0.40 | 0.82 | 0.41 | 0.65 | 1.65 | 1.98 | 1.38 | M3.5 |
| LP 17-44 | 0.28 | 0.17 | 0.81 | 0.33 | 0.67 | 1.96 | 2.07 | 0.87 | M5.5 |
| G 111-5 | 0.38 | 0.44 | 0.83 | 0.39 | 0.69 | 1.61 | 1.96 | 1.04 | M4.5 |
| L 528-16 | 0.54 | 0.53 | 0.82 | 0.48 | 0.74 | 1.28 | 1.97 | 0.96 | M2.5 |
| LP 17-75 | 0.41 | 0.45 | 0.83 | 0.43 | 0.72 | 1.47 | 1.94 | 0.96 | M4.0 |
| LP 783-21 | 0.47 | 0.44 | 0.79 | 0.45 | 0.73 | 1.38 | 1.97 | 1.00 | M3.5 |
| LP 163-51 | 0.45 | 0.47 | 0.83 | 0.44 | 0.75 | 1.41 | 1.96 | 0.97 | M3.5 |
| LP 17-228 | 0.44 | 0.48 | 0.81 | 0.43 | 0.71 | 1.40 | 1.94 | 0.98 | M3.5 |
| G 111-60 | 0.40 | 0.40 | 0.84 | 0.41 | 0.74 | 1.51 | 1.97 | 0.96 | M4.0 |
| LP 899-1 | 0.56 | 0.54 | 0.84 | 0.52 | 0.77 | 1.28 | 1.97 | 0.97 | M2.5 |
| LP 843-16 | 0.58 | 0.57 | 0.85 | 0.54 | 0.79 | 1.26 | 1.97 | 0.98 | M2.0 |
| LP 843-18 | 0.45 | 0.46 | 0.82 | 0.44 | 0.71 | 1.42 | 1.97 | 1.08 | M3.5 |
| G 9-24 | 0.42 | 0.41 | 0.80 | 0.41 | 0.70 | 1.48 | 1.99 | 1.00 | M3.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 368-99 | 0.45 | 0.47 | 0.80 | 0.39 | 0.65 | 1.51 | 1.98 | 1.71 | M3.5 |
| LP 368-98 | 0.45 | 0.48 | 0.79 | 0.44 | 0.68 | 1.47 | 1.96 | 1.47 | M3.5 |
| LP 187-21 | 0.36 | 0.49 | 1.02 | 0.49 | 0.85 | 1.80 | 1.92 | 0.92 | M4.5 |
| LP 486-55 | 0.85 | 0.82 | 0.92 | 0.77 | 0.89 | 1.06 | 1.97 | 0.94 | M0.5 |
| G 161-19 | 0.50 | 0.51 | 0.86 | 0.47 | 0.73 | 1.36 | 1.98 | 0.96 | M3.0 |
| G 161-20 | 0.51 | 0.49 | 0.82 | 0.48 | 0.75 | 1.35 | 1.99 | 0.94 | M2.5 |
| LP 36-276 | 0.23 | 0.29 | 0.88 | 0.30 | 0.55 | 2.29 | 1.99 | 2.00 | M5.5 |
| G 116-50 | 0.39 | 0.45 | 0.90 | 0.45 | 0.72 | 1.41 | 1.94 | 0.94 | M4.0 |
| LP 261-109 | 0.40 | 0.39 | 0.89 | 0.41 | 0.72 | 1.82 | 2.00 | 1.74 | M4.0 |
| LP 37-57 | 0.38 | 0.39 | 0.80 | 0.42 | 0.69 | 1.54 | 1.93 | 0.97 | M4.5 |
| LP 261-165 | 0.40 | 0.42 | 0.80 | 0.41 | 0.67 | 1.55 | 1.92 | 0.97 | M4.0 |
| Wolf 341 | 0.47 | · · · | 0.77 | 0.40 | 0.65 | 1.52 | 2.02 | 1.33 | M3.5 |
| LP 669-19 | 0.41 | 0.41 | 0.87 | 0.41 | 0.74 | 1.53 | 1.98 | 0.96 | M4.0 |
| LP 92-171 | 0.39 | 0.44 | 0.85 | 0.44 | 0.72 | 1.54 | 1.94 | 0.97 | M4.0 |
| LP 731-65 | 0.37 | 0.43 | 0.83 | 0.38 | 0.64 | 1.68 | 1.97 | 1.27 | M4.5 |
| LP 673-101 | 0.79 | 0.79 | 0.90 | 0.76 | 0.88 | 1.09 | 1.96 | 0.96 | M0.5 |
| LP 19-419 | 0.21 | 0.28 | 0.73 | 0.31 | 0.60 | 2.08 | 1.99 | 0.99 | M6.0 |
| LP 851-399 | 0.38 | 0.45 | 0.77 | 0.40 | 0.64 | 1.73 | 1.98 | 1.71 | M4.5 |
| LP 851-410 | 0.46 | 0.51 | 0.83 | 0.51 | 0.76 | 1.44 | 1.94 | 0.97 | M3.5 |
| LP 20-178 | 0.22 | 0.29 | 0.68 | 0.27 | 0.51 | 2.54 | 2.06 | 1.29 | M6.0 |
| LP 39-244 | 0.56 | · · · | 0.85 | 0.47 | 0.75 | 1.34 | 2.00 | 0.94 | M2.5 |
| G 148-49 | 0.98 | · · · | 1.01 | 0.98 | 0.97 | 1.00 | 2.01 | 0.90 | K5 |
| LP 64-520 | 0.29 | 0.43 | 0.79 | 0.36 | 0.61 | 2.01 | 2.01 | 1.74 | M5.5 |
| G 148-59 | 0.35 | 0.41 | 0.78 | 0.38 | 0.65 | 1.72 | 1.98 | 1.34 | M4.5 |
| LP 64-283 | 0.38 | 0.40 | 0.76 | 0.40 | 0.64 | 1.60 | 1.96 | 1.42 | M4.5 |
| LP 435-318 | 0.22 | 0.20 | 0.70 | 0.28 | 0.58 | 2.35 | 2.04 | 0.94 | M6.0 |
| G 59-31 | 0.43 | 0.42 | 0.77 | 0.47 | 0.75 | 1.44 | 1.98 | 1.06 | M3.5 |
| LP 95-333 | 0.70 | · · · | 0.88 | 0.58 | 0.82 | 1.17 | 2.02 | 0.96 | M0.5 |
| LP 21-14 | 0.33 | 0.36 | 0.81 | 0.33 | 0.63 | 1.99 | 2.03 | 2.01 | M4.5 |
| LP 321-167 | 0.71 | 0.73 | 0.90 | 0.71 | 0.86 | 1.15 | 1.96 | 0.95 | M0.5 |
| G 168-51 | 0.55 | · · · | 0.86 | 0.51 | 0.77 | 1.31 | 1.97 | 0.96 | M2.5 |
| LP 65-357 | 0.25 | 0.25 | 0.81 | 0.26 | 0.53 | 2.46 | 2.04 | 1.50 | M5.5 |
| LP 96-100 | 0.40 | 0.43 | 0.87 | 0.42 | 0.70 | 1.56 | 1.94 | 0.96 | M4.0 |
| LP 132-165 | 0.42 | 0.39 | 0.70 | 0.39 | 0.65 | 1.48 | 1.95 | 1.20 | M3.5 |
| LP 97-259 | 0.76 | 0.69 | 0.86 | 0.70 | 0.85 | 1.11 | 1.94 | 0.96 | M0.5 |
| LP 133-172 | 0.34 | 0.41 | 0.88 | 0.41 | 0.71 | 1.72 | 1.96 | 0.94 | M4.5 |
| Grw+69:560 | 0.59 | 0.54 | 0.85 | 0.54 | 0.78 | 1.28 | 1.93 | 0.74 | M2.0 |
| LP 221-55 | 0.78 | 0.72 | 0.87 | 0.72 | 0.86 | 1.08 | 1.94 | 0.97 | M0.5 |
| LP 41-203 | 0.55 | 0.48 | 0.83 | 0.49 | 0.75 | 1.33 | 1.94 | 0.96 | M2.5 |
| Grw+67:463 | 0.75 | 0.69 | 0.88 | 0.69 | 0.86 | 1.12 | 1.93 | 0.96 | M0.5 |
| G 224-20 | 0.32 | 0.30 | 0.73 | 0.34 | 0.61 | 1.72 | 1.98 | 1.00 | M4.5 |
| LP 135-222 | 0.40 | 0.40 | 0.76 | 0.40 | 0.64 | 1.55 | 1.96 | 1.31 | M4.0 |
| LP 99-246 | 0.50 | 0.53 | 0.84 | 0.48 | 0.76 | 1.35 | 1.94 | 0.97 | M3.0 |
| LP 135-315 | 0.35 | 0.34 | 0.80 | 0.38 | 0.68 | 1.75 | 1.98 | 1.07 | M4.5 |
| LP 177-23 | 0.47 | 0.44 | 0.83 | 0.45 | 0.73 | 1.36 | 1.97 | 0.96 | M3.5 |
| LP 553-44 | 0.45 | 0.47 | 0.83 | 0.44 | 0.72 | 1.41 | 1.98 | 0.97 | M3.5 |
| LP 917-25 | 0.59 | 0.55 | 0.83 | 0.56 | 0.80 | 1.24 | 1.97 | 0.96 | M2.0 |
| LP 101-183 | 0.61 | 0.55 | 0.82 | 0.56 | 0.78 | 1.23 | 1.94 | 0.96 | M1.5 |
| LP 862-197 | 0.40 | 0.40 | 0.79 | 0.42 | 0.68 | 1.52 | 1.96 | 1.16 | M4.0 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 331-57 | 0.51 | 0.50 | 0.82 | 0.46 | 0.70 | 1.37 | 1.98 | 1.13 | M2.5 |
| T4 | 0.45 | 0.47 | 0.83 | 0.48 | 0.73 | 1.43 | 1.93 | 0.97 | M3.5 |
| T5 | 0.35 | 0.34 | 0.78 | 0.38 | 0.65 | 1.70 | 1.92 | 0.91 | M4.5 |
| T17 | 0.53 | 0.52 | 0.79 | 0.52 | 0.75 | 1.32 | 1.93 | 0.99 | M2.5 |
| L 485-9 | 0.66 | 0.62 | 0.79 | 0.61 | 0.80 | 1.15 | 1.92 | 0.98 | M1.5 |
| L 485-8 | 0.72 | 0.67 | 0.80 | 0.66 | 0.81 | 1.14 | 1.94 | 1.00 | M0.5 |
| T24 | 0.44 | 0.47 | 0.87 | 0.48 | 0.75 | 1.40 | 1.91 | 0.95 | M3.5 |
| G 154-10 | 0.41 | 0.41 | 0.82 | 0.44 | 0.71 | 1.49 | 1.95 | 0.97 | M3.5 |
| LP 102-243 | 0.37 | 0.40 | 0.77 | 0.38 | 0.63 | 1.77 | 1.97 | 1.73 | M4.5 |
| LP 102-241 | 0.36 | 0.38 | 0.77 | 0.38 | 0.65 | 1.74 | 1.99 | 1.29 | M4.5 |
| LP 278-42 | 0.27 | 0.33 | 0.84 | 0.36 | 0.67 | 1.99 | 2.02 | 1.48 | M5.5 |
| L 559-120 | 0.55 | 0.53 | 0.85 | 0.57 | 0.80 | 1.24 | 1.92 | 0.96 | M2.5 |
| LHS 3339 | 0.31 | 0.47 | 1.07 | 0.30 | 0.63 | 2.05 | 2.08 | 0.92 | M5.0 |
| LP 921-23 | 0.41 | 0.46 | 0.87 | 0.46 | 0.72 | 1.43 | 1.93 | 0.94 | M3.5 |
| LP 449-10 | 0.40 | 0.40 | 0.78 | 0.41 | 0.67 | 1.50 | 1.96 | 0.98 | M4.0 |
| LP 44-334 | 0.20 | 0.29 | 0.81 | 0.26 | 0.54 | 2.89 | 2.11 | 1.36 | M6.5 |
| G 184-28 | 0.44 | 0.42 | 0.85 | 0.45 | 0.73 | 1.46 | 1.96 | 0.95 | M3.5 |
| G 184-31 | 0.35 | · · · | · · · | 0.38 | 0.68 | 1.62 | 2.00 | 1.01 | M4.5 |
| G 184-37 | 0.46 | 0.53 | 0.87 | 0.51 | 0.75 | 1.37 | 1.92 | 0.96 | M3.5 |
| G 205-43 | 0.49 | 0.49 | 0.80 | 0.46 | 0.73 | 1.36 | 1.98 | 0.94 | M3.0 |
| LP 336-10 | 0.69 | · · · | · · · | 0.62 | 0.82 | 1.14 | 1.98 | 0.96 | M0.5 |
| G 205-57 | 0.52 | 0.49 | 0.84 | 0.47 | 0.74 | 1.32 | 1.96 | 0.98 | M2.5 |
| LP 452-8 | 0.77 | · · · | · · · | 0.74 | 0.88 | 1.10 | 1.98 | 0.98 | M0.5 |
| LP 392-13 | 0.57 | 0.56 | 0.79 | 0.53 | 0.74 | 1.24 | 1.98 | 0.97 | M2.5 |
| LP 812-110 | 0.46 | 0.43 | 0.79 | 0.47 | 0.72 | 1.40 | 1.94 | 0.95 | M3.5 |
| G 185-16 | 0.40 | · · · | · · · | 0.41 | 0.73 | 1.56 | 1.95 | 0.98 | M4.0 |
| LP 392-15 | 0.67 | · · · | · · · | 0.61 | 0.80 | 1.17 | 1.95 | 0.96 | M1.5 |
| G 185-23 | 0.37 | · · · | · · · | 0.40 | 0.68 | 1.67 | 1.99 | 1.31 | M4.5 |
| G 125-15 | 0.33 | 0.39 | 0.81 | 0.38 | 0.65 | 1.93 | 1.97 | 1.85 | M4.5 |
| W 1109 | 0.54 | 0.52 | 0.86 | 0.50 | 0.77 | 1.28 | 1.95 | 0.97 | M2.5 |
| LP 393-8 | 0.48 | · · · | · · · | 0.51 | 0.77 | 1.41 | 1.96 | 0.98 | M3.0 |
| G 152-22 | 0.47 | 0.50 | 0.83 | 0.50 | 0.75 | 1.38 | 1.95 | 0.97 | M3.5 |
| G 125-23 | 0.41 | 0.42 | 0.78 | 0.42 | 0.66 | 1.53 | 1.96 | 1.25 | M4.0 |
| G 125-27 | 0.49 | 0.48 | 0.81 | 0.51 | 0.76 | 1.34 | 1.95 | 0.96 | M3.0 |
| G 125-34 | 0.43 | 0.44 | 0.78 | 0.40 | 0.69 | 1.46 | 1.96 | 0.96 | M3.5 |
| LP 870-54 | 0.55 | · · · | · · · | 0.51 | 0.77 | 1.30 | 1.98 | 0.97 | M2.5 |
| LP 232-4 | 0.76 | 0.78 | 0.87 | 0.71 | 0.86 | 1.08 | 1.96 | 0.97 | M0.5 |
| LP 105-469 | 0.41 | 0.42 | 0.88 | 0.42 | 0.71 | 1.54 | 1.95 | 0.94 | M3.5 |
| G 125-49 | 0.42 | 0.41 | 0.79 | 0.43 | 0.68 | 1.45 | 1.98 | 0.97 | M3.5 |
| G 209-11 | 0.51 | 0.47 | 0.83 | 0.46 | 0.74 | 1.35 | 1.95 | 0.96 | M2.5 |
| G 125-54 | 0.54 | 0.51 | 0.80 | 0.52 | 0.76 | 1.29 | 1.95 | 0.96 | M2.5 |
| G 209-18 | 0.36 | 0.37 | 0.79 | 0.39 | 0.66 | 1.66 | 1.98 | 1.29 | M4.5 |
| G 209-23 | 0.44 | 0.45 | 0.82 | 0.50 | 0.75 | 1.41 | 1.94 | 0.97 | M3.5 |
| G 186-24 | 0.37 | 0.40 | 0.81 | 0.38 | 0.67 | 1.58 | 1.94 | 0.95 | M4.5 |
| G 209-30 | 0.56 | 0.54 | 0.87 | 0.51 | 0.77 | 1.28 | 1.94 | 0.97 | M2.5 |
| G 209-32 | 0.44 | 0.44 | 0.87 | 0.43 | 0.73 | 1.45 | 1.95 | 0.95 | M3.5 |
| G 209-36 | 0.45 | 0.43 | 0.85 | 0.41 | 0.70 | 1.42 | 1.98 | 0.96 | M3.5 |
| LP 695-372 | 0.19 | 0.31 | 0.72 | 0.24 | 0.52 | 2.71 | 2.05 | 1.34 | M6.5 |
| G 212-16 | 0.41 | 0.42 | 0.85 | 0.45 | 0.73 | 1.47 | 1.95 | 0.98 | M4.0 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| G 211-9 | 0.37 | 0.41 | 0.89 | 0.38 | 0.67 | 1.74 | 1.99 | 1.19 | M4.5 |
| LP 234-1558 | 0.44 | 0.86 | 0.97 | 1.02 | 1.01 | 0.98 | 2.00 | 0.99 | M3.5 |
| LP 757-92 | 0.30 | 0.31 | 0.90 | 0.34 | 0.66 | 2.06 | 2.03 | 1.13 | M5.5 |
| G 212-27 | 0.51 | 0.48 | 0.86 | 0.47 | 0.75 | 1.38 | 1.96 | 0.96 | M2.5 |
| LP 234-2220 | 0.47 | 0.45 | 0.77 | 0.47 | 0.70 | 1.35 | 1.95 | 0.96 | M3.5 |
| LP 234-2426 | 0.69 | 0.67 | 0.89 | 0.59 | 0.81 | 1.14 | 1.96 | 0.97 | M1.0 |
| LP 459-419 | 0.38 | 0.39 | 0.90 | 0.41 | 0.72 | 1.64 | 1.99 | 0.96 | M4.5 |
| G 232-67 | 0.72 | 0.65 | 0.87 | 0.61 | 0.81 | 1.14 | 1.95 | 0.99 | M0.5 |
| G 189-22 | 0.52 | 0.48 | 0.80 | 0.49 | 0.73 | 1.33 | 1.97 | 0.98 | M2.5 |
| G 216-21 | 0.41 | 0.40 | 0.83 | 0.40 | 0.68 | 1.50 | 1.99 | 0.95 | M4.0 |
| G 233-33 | 0.59 | 0.54 | 0.88 | 0.52 | 0.78 | 1.27 | 1.94 | 0.95 | M2.0 |
| NLTT3 | | | | | | | | | |
| LP 585-73 | 0.53 | 0.52 | 0.81 | 0.50 | 0.77 | 1.31 | 1.95 | 0.96 | M2.5 |
| G 172-36 | 0.47 | 0.40 | 0.76 | 0.41 | 0.66 | 1.49 | 1.99 | 1.17 | M3.5 |
| BD+51:318B | 0.62 | 0.59 | 0.83 | 0.58 | 0.78 | 1.22 | 1.93 | 0.96 | M1.5 |
| G 173-33 | 0.51 | 0.49 | 0.85 | 0.50 | 0.77 | 1.29 | 1.95 | 0.96 | M2.5 |
| G 73-27 | 0.35 | 0.44 | 0.79 | 0.37 | 0.65 | 1.83 | 1.98 | 2.00 | M4.5 |
| LP 469-118 | 0.35 | 0.41 | 0.82 | 0.38 | 0.63 | 1.80 | 1.97 | 1.82 | M4.5 |
| G 174-4 | 0.59 | 0.60 | 0.88 | 0.55 | 0.79 | 1.23 | 1.97 | 0.93 | M2.0 |
| G 174-25 | 0.67 | 0.61 | 0.74 | 0.49 | 0.72 | 1.17 | 1.97 | 0.96 | sdM3 |
| LP 198-482 | 0.93 | 0.93 | 0.98 | 0.90 | 0.94 | 1.01 | 1.97 | 0.93 | K7 |
| LP 591-156 | 0.37 | 0.33 | 0.81 | 0.36 | 0.65 | 1.74 | 2.01 | 1.28 | M4.5 |
| LP 198-498 | 0.74 | 0.71 | 0.89 | 0.69 | 0.84 | 1.13 | 1.94 | 0.98 | M0.5 |
| LP 154-86 | 0.59 | 0.57 | 0.80 | 0.53 | 0.78 | 1.28 | 1.97 | 1.00 | M2.0 |
| G 75-60 | 0.59 | 0.55 | 0.82 | 0.53 | 0.78 | 1.23 | 1.96 | 0.97 | M2.0 |
| G 174-28 | 0.56 | 0.55 | 0.83 | 0.53 | 0.76 | 1.28 | 1.94 | 0.97 | M2.5 |
| G 95-19 | 0.86 | 0.85 | 0.92 | 0.79 | 0.89 | 1.05 | 1.97 | 0.96 | K7 |
| G 78-25 | 0.50 | 0.46 | 0.86 | 0.50 | 0.75 | 1.41 | 1.93 | 0.99 | M3.0 |
| LP 155-59 | 0.60 | 0.57 | 0.82 | 0.51 | 0.77 | 1.23 | 1.95 | 0.99 | M2.0 |
| G 174-54 | 0.46 | 0.36 | 0.65 | 0.41 | 0.59 | 1.42 | 2.00 | 0.97 | M3.5 |
| LP 155-214 | 0.38 | 0.40 | 0.85 | 0.39 | 0.68 | 1.54 | 1.97 | 0.92 | M4.5 |
| LP 357-4 | 0.39 | 0.45 | 0.80 | 0.39 | 0.67 | 1.64 | 1.96 | 1.95 | M4.0 |
| LP 200-31 | 0.40 | 0.34 | 0.78 | 0.36 | 0.67 | 1.51 | 1.95 | 0.92 | M4.0 |
| LP 200-33 | 0.53 | 0.53 | 0.83 | 0.50 | 0.77 | 1.35 | 1.93 | 0.94 | M2.5 |
| R 40 | 0.76 | 0.76 | 0.90 | 0.72 | 0.87 | 1.10 | 1.95 | 0.94 | M0.5 |
| LP 31-420 | 0.63 | 0.59 | 0.86 | 0.58 | 0.80 | 1.23 | 1.96 | 0.95 | M1.5 |
| LP 414-108W | 0.79 | 0.74 | 0.86 | 0.71 | 0.86 | 1.10 | 1.95 | 0.97 | M0.5 |
| LP 414-108N | 0.82 | 0.74 | 0.86 | 0.72 | 0.87 | 1.09 | 1.95 | 0.97 | M0.5 |
| LP 31-307 | 0.41 | 0.38 | 0.82 | 0.42 | 0.67 | 1.57 | 1.97 | 1.13 | M4.0 |
| LP 156-58 | 0.35 | 0.37 | 0.81 | 0.36 | 0.62 | 1.91 | 2.02 | 1.47 | M4.5 |
| LP 201-36 | 0.43 | 0.47 | 0.77 | 0.42 | 0.61 | 1.59 | 1.98 | 1.59 | M3.5 |
| LP 201-45 | 0.44 | 0.41 | 0.83 | 0.42 | 0.70 | 1.53 | 1.99 | 0.96 | M3.5 |
| LP 595-21 | 0.41 | 0.41 | 0.80 | 0.40 | 0.68 | 1.60 | 1.96 | 1.12 | M4.0 |
| LP 595-22 | 0.50 | 0.47 | 0.81 | 0.47 | 0.75 | 1.38 | 1.94 | 0.98 | M3.0 |
| LP 595-23 | 0.70 | 0.68 | 0.84 | 0.65 | 0.82 | 1.15 | 1.96 | 0.97 | M0.5 |
| LP 201-54 | 0.42 | 0.43 | 0.86 | 0.41 | 0.74 | 1.55 | 1.98 | 0.96 | M3.5 |
| G 83-19 | 0.44 | 0.44 | 0.86 | 0.44 | 0.70 | 1.43 | 1.97 | 0.95 | M3.5 |
| LP 476-6 | 0.47 | 0.46 | 0.79 | 0.44 | 0.67 | 1.46 | 1.99 | 1.25 | M3.5 |
| LP 118-3 | 0.60 | 0.56 | 0.83 | 0.53 | 0.80 | 1.28 | 1.95 | 0.97 | M1.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | H$\alpha$ | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 359-216 | 0.63 | 0.58 | 0.82 | 0.55 | 0.79 | 1.26 | 1.94 | 1.03 | M1.5 |
| G 86-30 | 0.43 | 0.47 | 0.88 | 0.46 | 0.74 | 1.55 | 1.95 | 0.94 | M3.5 |
| G 85-62 | 0.42 | 0.45 | 0.86 | 0.44 | 0.75 | 1.48 | 1.95 | 0.95 | M3.5 |
| G 86-37 | 0.44 | 0.49 | 0.83 | 0.49 | 0.75 | 1.45 | 1.92 | 1.02 | M3.5 |
| LP 15-187 | 0.59 | 0.50 | 0.84 | 0.51 | 0.75 | 1.26 | 1.97 | 0.96 | M2.0 |
| G 86-45 | 0.45 | 0.45 | 0.77 | 0.45 | 0.69 | 1.39 | 1.96 | 0.97 | M3.5 |
| G 100-16 | 0.49 | 0.47 | 0.83 | 0.43 | 0.71 | 1.53 | 1.95 | 1.35 | M3.0 |
| G 100-24 | 0.51 | 0.53 | 0.82 | 0.53 | 0.77 | 1.30 | 1.92 | 0.96 | M2.5 |
| G 98-19 | 0.47 | 0.51 | 0.85 | 0.46 | 0.74 | 1.40 | 1.94 | 0.96 | M3.5 |
| LP 418-11 | 0.49 | 0.54 | 0.84 | 0.49 | 0.78 | 1.38 | 1.92 | 0.97 | M3.0 |
| G 100-38 | 0.43 | 0.45 | 0.79 | 0.43 | 0.73 | 1.45 | 1.93 | 0.97 | M3.5 |
| LP 361-6 | 0.41 | 0.40 | 0.74 | 0.39 | 0.68 | 1.60 | 1.90 | 1.22 | M4.0 |
| G 100-45 | 0.44 | 0.47 | 0.79 | 0.44 | 0.74 | 1.43 | 1.95 | 0.97 | M3.5 |
| G 100-49 | 0.40 | 0.42 | 0.78 | 0.46 | 0.72 | 1.48 | 1.85 | 0.94 | M4.0 |
| G 100-50 | 0.34 | 0.33 | 0.84 | 0.36 | 0.67 | 1.79 | 2.03 | 1.01 | M4.5 |
| G 100-57 | 0.54 | 0.51 | 0.84 | 0.50 | 0.78 | 1.37 | 1.94 | 0.97 | M2.5 |
| LP 419-2 | 0.55 | 0.55 | 0.84 | 0.50 | 0.78 | 1.33 | 1.92 | 0.95 | M2.5 |
| G 98-52 | 0.45 | 0.40 | 0.88 | 0.38 | 0.69 | 1.63 | 1.98 | 1.22 | M3.5 |
| G 105-19 | 0.39 | 0.38 | 0.84 | 0.41 | 0.70 | 1.56 | 1.97 | 0.93 | M4.0 |
| LP 204-52 | 0.55 | 0.45 | 0.83 | 0.48 | 0.73 | 1.30 | 1.98 | 0.94 | M2.5 |
| LP 719-37 | 0.39 | ··· | ··· | 0.43 | 0.64 | 1.64 | 1.98 | 1.15 | M4.5 |
| LP 719-38 | 0.38 | ··· | ··· | 0.42 | 0.66 | 1.55 | 1.93 | 1.20 | M4.5 |
| G 103-29 | 0.40 | 0.46 | 0.84 | 0.43 | 0.75 | 1.52 | 1.94 | 0.96 | M4.0 |
| LP 600-8 | 0.38 | 0.41 | 0.80 | 0.38 | 0.63 | 1.63 | 2.00 | 1.28 | M4.5 |
| LP 420-6 | 0.56 | 0.55 | 0.80 | 0.50 | 0.76 | 1.26 | 1.93 | 0.98 | M2.5 |
| LP 362-257 | 0.46 | 0.48 | 0.85 | 0.44 | 0.74 | 1.44 | 1.95 | 0.95 | M3.5 |
| G 106-45 | 0.39 | 0.41 | 0.77 | 0.39 | 0.67 | 1.55 | 1.94 | 1.09 | M4.5 |
| LP 363-1 | 0.68 | 0.67 | 0.89 | 0.64 | 0.84 | 1.16 | 1.93 | 0.95 | M1.0 |
| G 108-4 | 0.44 | ··· | 0.86 | 0.43 | 0.71 | 1.60 | 1.99 | 1.46 | M3.5 |
| G 108-13 | 0.48 | 0.44 | 0.85 | 0.48 | 0.73 | 1.46 | 1.96 | 0.94 | M3.5 |
| LP 420-4 | 0.54 | 0.51 | 0.80 | 0.49 | 0.75 | 1.28 | 1.95 | 0.97 | M2.5 |
| LP 363-7 | 0.44 | 0.49 | 0.84 | 0.45 | 0.74 | 1.44 | 1.96 | 0.96 | M3.5 |
| G 108-17 | 0.49 | 0.43 | 0.83 | 0.46 | 0.71 | 1.39 | 1.96 | 0.94 | M3.0 |
| W 288 | 0.47 | 0.46 | 0.79 | 0.44 | 0.73 | 1.41 | 1.95 | 0.98 | M3.5 |
| G 110-14 | 0.37 | 0.41 | 0.84 | 0.39 | 0.70 | 1.60 | 1.95 | 0.97 | M4.5 |
| LP 421-7 | 0.43 | 0.49 | 0.84 | 0.44 | 0.74 | 1.47 | 1.94 | 0.97 | M3.5 |
| LP 661-12 | 0.41 | 0.42 | 0.90 | 0.44 | 0.74 | 1.51 | 1.96 | 0.91 | M4.0 |
| LP 661-13 | 0.46 | 0.44 | 0.84 | 0.46 | 0.70 | 1.46 | 1.96 | 1.22 | M3.5 |
| LP 661-17 | 0.51 | 0.45 | 0.84 | 0.51 | 0.74 | 1.35 | 1.95 | 0.94 | M2.5 |
| LP 721-16 | 0.54 | 0.56 | 0.86 | 0.56 | 0.76 | 1.27 | 1.97 | 0.94 | M2.5 |
| LP 721-17 | 0.42 | 0.46 | 0.83 | 0.47 | 0.76 | 1.44 | 1.97 | 0.97 | M3.5 |
| GJ 2060 | 0.69 | ··· | 0.88 | 0.61 | 0.80 | 1.19 | 1.99 | 1.16 | M0.5 |
| BD-29:5220 | 0.92 | ··· | ··· | 0.92 | 0.95 | 1.03 | 1.96 | 0.92 | K7 |
| R 396 | 0.95 | 0.93 | 0.97 | 0.96 | 0.98 | 1.01 | 1.97 | 0.91 | K5 |
| LP 605-37 | 0.49 | ··· | ··· | 0.46 | 0.72 | 1.42 | 1.98 | 0.95 | M3.0 |
| LP 668-73 | 0.60 | ··· | ··· | 0.58 | 0.81 | 1.21 | 1.98 | 0.97 | M1.5 |
| G 148-48 | 0.30 | 0.29 | 0.76 | 0.33 | 0.61 | 1.97 | 2.02 | 1.34 | M5.0 |
| LP 39-246 | 1.02 | ··· | 1.00 | 0.94 | 0.98 | 0.99 | 2.01 | 0.96 | K5 |
| LP 39-249 | 0.86 | ··· | 0.93 | 0.76 | 0.91 | 1.07 | 1.98 | 0.96 | K7 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | Hα | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 7-234 | 0.97 | ··· | 0.96 | 0.86 | 0.94 | 1.00 | 2.05 | 0.97 | K5 |
| Grw+77:4810 | 0.78 | 0.75 | 0.88 | 0.73 | 0.86 | 1.09 | 1.94 | 0.97 | M0.5 |
| BD+19:2776 | 0.96 | ··· | ··· | 0.98 | 1.00 | 1.01 | 1.99 | 0.86 | K5 |
| LP 97-817 | 0.39 | 0.25 | 0.73 | 0.33 | 0.60 | 1.84 | 2.00 | 1.29 | sdM5 |
| LP 41-258 | 0.51 | 0.47 | 0.80 | 0.46 | 0.73 | 1.35 | 1.96 | 0.92 | M2.5 |
| LP 98-251 | 0.87 | ··· | 0.90 | 0.73 | 0.88 | 1.07 | 2.00 | 0.96 | K7 |
| LP 8-292 | 0.65 | 0.63 | 0.84 | 0.59 | 0.82 | 1.19 | 1.94 | 0.97 | M1.5 |
| LP 745-78 | 0.88 | ··· | ··· | 0.87 | 0.93 | 1.03 | 2.00 | 0.93 | K7 |
| LP 919-11 | 0.86 | ··· | ··· | 0.81 | 0.90 | 1.05 | 1.97 | 0.95 | K7 |
| L 556-21 | 0.82 | ··· | ··· | 0.79 | 0.91 | 1.04 | 1.97 | 0.92 | M0.5 |
| LP 919-16 | 0.74 | ··· | ··· | 0.75 | 0.88 | 1.10 | 1.99 | 0.97 | M0.5 |
| LP 101-372 | 0.25 | 0.18 | 0.79 | 0.28 | 0.59 | 2.12 | 2.02 | 0.94 | M5.5 |
| T 9 | 0.77 | ··· | ··· | 0.73 | 0.86 | 1.09 | 1.96 | 0.97 | M0.5 |
| LP 920-11 | 0.48 | ··· | ··· | 0.49 | 0.75 | 1.36 | 1.97 | 0.95 | M3.5 |
| LP 920-54 | 0.93 | ··· | ··· | 0.96 | 0.96 | 1.02 | 1.98 | 0.90 | K7 |
| LP 864-14 | 0.45 | ··· | ··· | 0.44 | 0.70 | 1.40 | 1.99 | 0.94 | M3.5 |
| LP 807-18 | 0.46 | ··· | ··· | 0.49 | 0.79 | 1.37 | 1.96 | 0.96 | M3.5 |
| LP 864-16 | 0.44 | 0.49 | 0.92 | 0.50 | 0.79 | 1.40 | 1.94 | 0.92 | M3.5 |
| T 33B | 0.48 | ··· | ··· | 0.45 | 0.70 | 1.29 | 1.98 | 1.06 | M3.5 |
| LP 920-61 | 0.51 | ··· | ··· | 0.45 | 0.70 | 1.41 | 1.95 | 1.09 | M2.5 |
| LP 864-20 | 0.52 | ··· | ··· | 0.51 | 0.75 | 1.30 | 1.97 | 0.95 | M2.5 |
| LP 920-23 | 0.60 | ··· | ··· | 0.55 | 0.76 | 1.19 | 1.97 | 0.99 | M1.5 |
| LP 44-47 | 0.70 | 0.68 | 0.86 | 0.68 | 0.84 | 1.15 | 1.93 | 0.97 | M0.5 |
| G 154-16 | 0.48 | ··· | ··· | 0.51 | 0.78 | 1.37 | 1.94 | 0.90 | M3.5 |
| LP 921-20 | 0.39 | ··· | ··· | 0.44 | 0.74 | 1.54 | 1.95 | 0.93 | M4.0 |
| LP 809-17 | 0.55 | 0.53 | 0.83 | 0.52 | 0.76 | 1.25 | 1.94 | 0.99 | M2.5 |
| Grw+72:7790 | 0.89 | 0.80 | 0.92 | 0.80 | 0.91 | 1.04 | 1.95 | 0.96 | K7 |
| BD-25:13135 | 0.80 | ··· | ··· | 0.79 | 0.89 | 1.08 | 1.97 | 0.97 | M0.5 |
| LP 24-256 | 0.42 | 0.38 | 0.82 | 0.39 | 0.65 | 1.63 | 1.98 | 1.32 | M3.5 |
| G 184-25 | 0.41 | ··· | ··· | 0.44 | 0.75 | 1.43 | 1.99 | 0.92 | M4.0 |
| LP 335-35 | 0.96 | 0.95 | 0.99 | 0.94 | 0.97 | 1.00 | 1.97 | 0.91 | K5 |
| LP 452-6 | 0.95 | ··· | ··· | 0.87 | 0.93 | 1.01 | 1.98 | 0.96 | K5 |
| LP 812-199 | 0.82 | ··· | ··· | 0.79 | 0.88 | 1.08 | 1.95 | 0.91 | M0.5 |
| BD+40:3796 | 0.78 | 0.78 | 0.91 | 0.68 | 0.83 | 1.09 | 1.94 | 0.99 | M0.5 |
| L 1573-24 | 0.81 | 0.77 | 0.89 | 0.77 | 0.90 | 1.07 | 1.95 | 0.95 | M0.5 |
| G 210-11 | 0.60 | 0.58 | 0.82 | 0.54 | 0.77 | 1.23 | 1.94 | 0.95 | M1.5 |
| LP 514-18 | 1.00 | ··· | ··· | 1.00 | 1.00 | 0.99 | 1.99 | 0.83 | K5 |
| R 756 | 0.81 | ··· | ··· | 0.72 | 0.87 | 1.06 | 1.99 | 0.99 | M0.5 |
| LP 339-3 | 0.68 | 0.62 | 0.83 | 0.58 | 0.79 | 1.16 | 1.96 | 0.97 | M1.0 |
| W 882 | 0.45 | ··· | ··· | 0.44 | 0.74 | 1.40 | 1.98 | 0.93 | M3.5 |
| L 568-50 | 0.71 | ··· | ··· | 0.66 | 0.85 | 1.14 | 1.98 | 0.98 | M0.5 |
| LP 340-455 | 0.50 | 0.45 | 0.79 | 0.44 | 0.69 | 1.34 | 1.99 | 0.98 | M3.0 |
| LP 285-9 | 0.68 | 0.68 | 0.85 | 0.61 | 0.82 | 1.16 | 1.96 | 0.99 | M1.0 |
| LP 285-11 | 0.45 | 0.48 | 0.86 | 0.45 | 0.72 | 1.43 | 1.97 | 0.97 | M3.5 |
| LP 234-2214 | 0.81 | 0.81 | 0.90 | 0.75 | 0.88 | 1.07 | 1.96 | 0.95 | M0.5 |
| LP 286-7 | 0.98 | 0.96 | 1.00 | 0.94 | 0.95 | 1.00 | 1.97 | 0.95 | K5 |
| L51725 | 0.63 | 0.65 | 0.86 | 0.58 | 0.80 | 1.19 | 1.97 | 0.95 | M1.5 |
| G 93-67 | 0.40 | 0.44 | 0.85 | 0.41 | 0.73 | 1.54 | 1.94 | 0.94 | M4.0 |
| LP 875-68 | 0.80 | ··· | ··· | 0.73 | 0.86 | 1.09 | 1.99 | 1.08 | M0.5 |

Table 4—Continued

| name | TiO5 | CaOH | CaH1 | CaH2 | CaH3 | TiO-a | VO-a | H$\alpha$ | Sp. Type |
|---|---|---|---|---|---|---|---|---|---|
| LP 520-66 | 0.57 | 0.58 | 0.85 | 0.53 | 0.78 | 1.27 | 1.94 | 0.94 | M2.5 |
| LP 109-57 | 0.58 | 0.49 | 0.76 | 0.46 | 0.70 | 1.23 | 1.97 | 0.99 | sdM3 |
| LP 702-2 | 0.70 | 0.67 | 0.85 | 0.64 | 0.83 | 1.14 | 1.95 | 0.95 | M0.5 |
| LP 346-8 | 0.40 | 0.39 | 0.86 | 0.39 | 0.69 | 1.53 | 1.99 | 0.93 | M4.0 |
| G 233-55 | 0.57 | 0.54 | 0.85 | 0.49 | 0.74 | 1.29 | 1.96 | 1.01 | M2.5 |
| BD+44:4419B | 0.37 | 0.51 | 1.01 | 0.51 | 0.87 | 1.83 | 1.90 | 0.91 | M4.5 |
| G 273-144 | 0.57 | 0.53 | 0.77 | 0.52 | 0.76 | 1.26 | 1.96 | 0.98 | M2.5 |
| LP 763-45 | 0.42 | 0.41 | 0.85 | 0.41 | 0.69 | 1.50 | 1.99 | 0.93 | M3.5 |
| LP 464-36 | 0.49 | 0.45 | 0.85 | 0.48 | 0.75 | 1.39 | 1.96 | 0.94 | M3.0 |

Table 5. Astrometry and photometry of spectroscopic targets

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| NLTT1 | | | | | | | | |
| LP 348-40** | 0:11:53.0 | 22:59:04 | 12.0 | 8.845 | 8.307 | 8.002 | 7.71 | 16.9±2.8 |
| G 171-59 | 0:26:51.8 | 42:50:02 | 13.3 | 9.402 | 8.670 | 8.457 | 6.74 | 34.1±5.4 |
| G 171-61 | 0:32:00.1 | 43:56:37 | 13.3 | 9.664 | 9.170 | 8.870 | 6.58 | 41.4±6.5 |
| G 132-4** | 0:33:20.4 | 36:50:25 | 12.2 | 8.780 | 8.083 | 7.858 | 7.32 | 29.6±3.1 |
| LP 765-74 | 0:37:36.3 | 15:11:52 | 12.3 | 9.087 | 8.432 | 8.236 | 6.75 | 29.3±4.6 |
| G 172-22 | 0:46:29.9 | 50:38:39 | 13.6 | 9.968 | 9.329 | 9.082 | 7.54 | 30.6±4.8 |
| G 69-32 | 0:54:48.0 | 27:31:03 | 14.1 | 10.325 | 9.734 | 9.444 | 8.34 | 24.9±4.5 |
| G 132-42 | 0:55:41.5 | 35:33:40 | 14.2 | 10.368 | 9.741 | 9.458 | 7.86 | 31.7±5.3 |
| G 172-41 | 1:08:39.2 | 45:02:34 | 14.3 | 10.426 | 9.794 | 9.588 | 7.10 | 46.2±7.3 |
| LP 351-6 | 1:14:49.3 | 25:19:00 | 11.8 | 8.772 | 8.154 | 7.920 | 6.75 | 25.4±4.0 |
| LP 243-36 | 1:37:48.5 | 38:23:31 | 14.4 | 10.563 | 9.939 | 9.650 | 8.34 | 27.9±4.3 |
| LP 828-75 | 1:51:47.8 | -23:05:34 | 18.0 | 13.341 | 12.699 | 12.328 | 9.50 | 58.6±6.9 |
| G 173-37** | 2:07:03.8 | 49:38:44 | 11.8 | 8.375 | 7.784 | 7.544 | 7.44 | 15.4±2.4 |
| G 35-32** | 2:11:40.9 | 18:33:37 | 12.2 | 8.659 | 8.054 | 7.859 | 7.43 | 17.6±2.8 |
| LP 409-52* | 2:13:00.7 | 18:03:46 | 14.1 | 10.356 | 9.818 | 9.527 | 8.77 | 20.7±3.9 |
| G 74-12 | 2:17:25.0 | 33:23:26 | 13.9 | 9.761 | 9.177 | 8.934 | 7.49 | 28.5±4.5 |
| G 35-39* | 2:18:35.9 | 20:47:50 | 11.9 | 8.840 | 8.338 | 8.025 | 7.06 | 22.7±3.5 |
| LP 353-78 | 2:30:08.4 | 25:37:19 | 11.4 | 8.441 | 7.812 | 7.683 | 5.70 | 35.4±5.5 |
| LP 298-53 | 2:34:00.4 | 28:19:29 | 13.3 | 9.552 | 8.923 | 8.751 | 6.67 | 37.7±5.9 |
| G 36-39 | 2:52:32.9 | 25:04:50 | 14.4 | 10.517 | 9.993 | 9.680 | 8.12 | 30.2±5.4 |
| G 134-56 | 2:56:27.5 | 39:17:22 | 13.0 | 9.368 | 8.669 | 8.545 | 5.65 | 55.3±8.6 |
| G 134-68 | 3:04:32.1 | 43:18:26 | 14.1 | 10.123 | 9.551 | 9.283 | 7.96 | 27.1±4.8 |
| LP 837- 37 | 3:06:01.7 | -26:47:44 | 18.3 | 12.660 | 12.078 | 11.660 | 10.15 | 31.8±3.3 |
| G 78-15 | 3:06:40.6 | 44:57:13 | 13.8 | 10.008 | 9.403 | 9.166 | 6.57 | 46.6±7.3 |
| LP 355-27* | 3:07:46.8 | 24:57:55 | 14.0 | 10.131 | 9.570 | 9.259 | 8.44 | 21.8±3.8 |
| LP 247-13 | 3:15:37.8 | 37:24:14 | 12.5 | 9.314 | 8.645 | 8.417 | 7.29 | 25.4±4.0 |
| W 140 * | 3:18:06.9 | 42:40:09 | 13.8 | 9.278 | 8.645 | 8.388 | 7.76 | 20.1±3.4 |
| W 142 | 3:18:14.8 | 42:48:44 | 14.2 | 10.317 | 9.643 | 9.405 | 7.20 | 42.0±6.6 |
| LP 31-103 | 3:22:10.6 | 72:34:14 | 14.1 | 10.034 | 9.335 | 9.114 | 6.27 | 56.6±8.8 |
| LP 413-24 | 3:39:07.1 | 20:25:26 | 14.3 | 10.574 | 9.983 | 9.712 | 8.13 | 30.9±5.1 |
| W 1269 | 3:45:01.3 | 22:15:21 | 13.5 | 9.854 | 9.243 | 8.988 | 6.62 | 44.4±6.9 |
| G 38-22 | 4:00:54.5 | 33:57:18 | 12.3 | 9.106 | 8.436 | 8.242 | 6.52 | 32.9±5.1 |
| LP 301-25 | 4:05:05.0 | 30:16:30 | 14.2 | 10.250 | 9.743 | 9.475 | 8.26 | 25.0±4.4 |
| LP 833-45 | 4:09:03.9 | -23:31:03 | 18.2 | 13.052 | 12.395 | 12.032 | 9.10 | 61.7±7.5 |
| G 7-25 | 4:11:33.5 | 19:39:45 | 14.4 | 10.513 | 9.900 | 9.696 | 6.95 | 51.6±8.1 |
| LP 31-339 | 4:22:28.3 | 74:01:27 | 13.3 | 8.868 | 8.215 | 7.986 | 6.42 | 30.9±4.7 |
| G 8-31 ** | 4:22:59.2 | 25:59:14 | 13.3 | 9.635 | 9.041 | 8.770 | 8.41 | 17.6±3.2 |
| LP 15-272 | 4:27:28.7 | 76:09:39 | 14.3 | 10.566 | 9.885 | 9.659 | 7.02 | 51.1±8.0 |
| G 8-47 | 4:38:25.9 | 15:53:15 | 14.4 | 10.594 | 9.989 | 9.739 | 8.32 | 28.5±4.0 |
| G 8-48 | 4:38:53.5 | 21:47:54 | 13.2 | 9.557 | 9.011 | 8.688 | 7.47 | 26.2±4.1 |
| LP 415-1896 | 4:42:23.3 | 20:46:34 | 11.5 | 8.556 | 7.894 | 7.674 | 6.66 | 24.0±3.7 |
| LP 776-25** | 4:52:24.4 | 16:49:21 | 11.2 | 7.761 | 7.134 | 6.877 | 7.34 | 12.1±1.8 |
| LP 717-36** | 5:25:41.6 | -9:09:12 | 12.1 | 8.429 | 7.858 | 7.586 | 7.52 | 15.2±2.2 |
| LP 15-164 | 5:26:55.9 | 79:51:25 | 14.4 | 10.618 | 9.968 | 9.810 | 6.19 | 77.0±12.0 |
| LP 718- 5* | 5:35:21.3 | -9:00:07 | 17.5 | 11.851 | 11.201 | 10.814 | 10.44 | 19.2±2.0 |
| LP 658-106 | 5:37:23.3 | -08:16:05 | 18.2 | 12.305 | 11.675 | 11.304 | 10.44 | 23.6±2.5 |
| LP 33-218 | 5:46:37.6 | 72:33:36 | 14.0 | 9.690 | 9.058 | 8.806 | 6.40 | 45.6±7.1 |
| LP 15-235 | 5:51:57.3 | 76:40:06 | 14.0 | 9.931 | 9.355 | 9.074 | 7.01 | 38.5±6.1 |

Table 5—Continued

| name | α (2000) | δ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| G 101-18 | 6:08:48.1 | 42:57:18 | 13.6 | 9.862 | 9.253 | 9.031 | 7.13 | 35.2±5.6 |
| LP 15-236 | 6:10:42.9 | 79:41:40 | 13.8 | 10.023 | 9.415 | 9.190 | 7.45 | 32.7±5.1 |
| G 101-32 | 6:18:03.9 | 43:57:07 | 13.9 | 9.990 | 9.437 | 9.171 | 7.82 | 27.1±4.5 |
| G 103-41** | 6:34:33.4 | 31:30:08 | 13.7 | 8.681 | 8.130 | 7.890 | 7.47 | 17.5±2.8 |
| G 103-43 | 6:35:54.0 | 30:35:40 | 14.2 | 10.126 | 9.572 | 9.313 | 7.08 | 40.6±6.4 |
| G 107-20 | 6:47:46.7 | 46:58:15 | 13.4 | 9.141 | 8.522 | 8.264 | 7.25 | 23.9±3.8 |
| G 103-66 | 6:50:25.0 | 26:33:43 | 13.8 | 10.023 | 9.385 | 9.149 | 7.33 | 34.6±5.5 |
| G 109-29 | 6:52:30.1 | 24:11:18 | 14.2 | 10.396 | 9.822 | 9.559 | 7.46 | 38.6±6.1 |
| LP 34-110 | 6:53:24.1 | 72:55:15 | 12.3 | 8.943 | 8.252 | 8.055 | 6.12 | 36.6±5.7 |
| G 88-2 * | 6:59:28.8 | 19:30:34 | 13.4 | 8.926 | 8.317 | 8.087 | 7.36 | 20.5±3.2 |
| LP 16-379** | 7:03:29.8 | 76:46:26 | 13.2 | 8.828 | 8.222 | 8.006 | 7.44 | 18.9±3.0 |
| LP 34-143 | 7:06:54.5 | 72:18:31 | 14.0 | 10.048 | 9.461 | 9.155 | 7.97 | 26.1±4.6 |
| G 109-51 | 7:13:22.1 | 23:03:58 | 13.5 | 9.668 | 8.984 | 8.768 | 7.82 | 23.5±3.9 |
| LP 162-1 | 7:17:08.9 | 45:45:54 | 14.1 | 10.419 | 9.768 | 9.468 | 7.84 | 32.7±5.4 |
| BD+20:1790 | 7:23:43.5 | 20:24:58 | 11.1 | 7.657 | 7.038 | 6.892 | 5.60 | 25.8±4.0 |
| G 88-33* | 7:31:38.4 | 16:44:03 | 14.2 | 10.125 | 9.481 | 9.195 | 8.33 | 22.8±4.1 |
| G 88-37* | 7:32:30.9 | 24:53:40 | 12.2 | 8.982 | 8.335 | 8.159 | 7.26 | 22.1±3.5 |
| LP 17-66* | 7:35:58.1 | 78:32:52 | 13.6 | 9.217 | 8.663 | 8.379 | 7.55 | 21.6±3.4 |
| G 88-49 | 7:44:03.2 | 23:24:35 | 14.3 | 10.313 | 9.635 | 9.460 | 6.81 | 510.2±7.8 |
| G 111-56** | 8:06:55.3 | 42:17:33 | 13.6 | 9.727 | 9.147 | 8.865 | 8.44 | 18.1±3.2 |
| W 1469 | 8:10:54.3 | 25:01:22 | 14.0 | 9.554 | 8.951 | 8.761 | 7.20 | 29.5±4.6 |
| LP 35-257 | 8:36:09.2 | 69:51:10 | 14.3 | 10.520 | 9.890 | 9.741 | 7.48 | 40.5±6.4 |
| LP 321-16 | 8:39:25.2 | 29:53:17 | 14.0 | 10.308 | 9.731 | 9.481 | 7.73 | 32.8±5.5 |
| G 40-36** | 8:44:45.3 | 18:13:07 | 13.5 | 8.941 | 8.319 | 8.087 | 8.53 | 12.1±2.1 |
| LP 726-11* | 8:48:36.4 | 13:53:08 | 12.7 | 8.753 | 8.123 | 7.924 | 7.03 | 22.1±3.2 |
| LP 726-12* | 8:48:36.9 | 13:53:08 | 13.6 | 9.590 | 8.944 | 8.686 | 7.94 | 21.4±3.4 |
| G 41-13 | 8:58:52.3 | 21:04:34 | 13.8 | 10.038 | 9.440 | 9.192 | 7.28 | 35.6±6.5 |
| BD+25 2037 | 9:05:18.5 | 25:17:53 | 11.2 | 8.100 | 7.435 | 7.301 | 5.58 | 31.9±6.3 |
| G 115-72* | 9:22:51.6 | 46:47:00 | 11.3 | 8.502 | 7.914 | 7.675 | 6.74 | 22.5±4.1 |
| Wolf 346 | 10:08:42.1 | 35:32:48 | 13.0 | 9.158 | 8.599 | 8.334 | 6.81 | 29.5±4.3 |
| G 235-35 | 10:19:09.0 | 66:29:34 | 14.2 | 10.238 | 9.663 | 9.420 | 7.20 | 40.5±5.9 |
| LP 212-62** | 10:23:51.8 | 43:53:33 | 14.1 | 10.088 | 9.497 | 9.140 | 8.61 | 19.8±3.3 |
| LP 92-180 | 10:32:26.2 | 60:12:09 | 13.0 | 9.019 | 8.392 | 8.172 | 6.56 | 31.0±4.5 |
| LP 127-502** | 10:36:48.1 | 50:55:04 | 13.8 | 9.878 | 9.302 | 9.015 | 8.38 | 19.9±3.4 |
| LP 491-51** | 11:03:21.3 | 13:37:57 | 12.2 | 8.731 | 8.138 | 7.860 | 7.89 | 14.7±2.4 |
| LP 170-65* | 12:09:06.5 | 47:36:05 | 14.3 | 10.229 | 9.683 | 9.383 | 8.47 | 22.5±3.8 |
| LP 320-626** | 12:19:05.9 | 31:50:43 | 12.1 | 8.301 | 7.628 | 7.385 | 7.21 | 16.5±2.4 |
| LP 64-185* | 12:21:47.5 | 68:16:03 | 12.9 | 8.811 | 8.228 | 8.029 | 6.97 | 23.3±3.4 |
| G 199-16 | 12:29:09.5 | 62:39:38 | 14.2 | 10.337[1] | 9.775 | 9.315 | 7.22 | 42.0±6.1 |
| G 199-28 | 12:34:07.6 | 50:37:07 | 13.1 | 9.594 | 8.943 | 8.711 | 7.25 | 29.4±4.3 |
| G 123-45** | 12:36:28.6 | 35:12:01 | 13.5 | 9.253 | 8.545 | 8.311 | 8.29 | 15.6±2.6 |
| LP 20-391 | 12:41:21.9 | 75:57:38 | 14.1 | 10.320 | 9.624 | 9.479 | 5.95 | 74.8±10.8 |
| Grw+77:4616 | 12:55:52.2 | 77:25:36 | 12.7 | 9.299 | 8.668 | 8.506 | 5.58 | 55.4±8.0 |
| G 199-57 | 13:08:17.0 | 59:22:48 | 14.3 | 10.490 | 9.942 | 9.727 | 7.14 | 46.8±6.8 |
| R 493 | 13:48:35.0 | 56:20:08 | 11.9 | 8.610 | 7.963 | 7.748 | 6.34 | 28.4±4.1 |
| LP 323-276 | 13:44:04.9 | 30:04:08 | 14.2 | 10.326 | 9.807 | 9.449 | 7.55 | 35.9±5.2 |
| LP 21-194 | 13:44:08.4 | 77:14:14 | 14.4 | 10.266 | 9.636 | 9.453 | 5.89 | 75.0±10.9 |
| BD+51:1878 | 13:53:59.3 | 50:34:52 | 11.2 | 7.852 | 7.215 | 7.074 | 5.51 | 29.4±4.3 |
| G 177-63 | 13:52:33.1 | 46:33:33 | 13.9 | 10.179 | 9.557 | 9.245 | 7.56 | 33.4±4.8 |

Table 5—Continued

| name | α (2000) | δ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| G 165-58* | 14:15:56.3 | 36:16:36 | 12.5 | 8.932 | 8.357 | 8.131 | 7.39 | 20.3±2.9 |
| G 224-13** | 14:33:06.3 | 61:00:44 | 11.7 | 8.157 | 7.641 | 7.353 | 6.78 | 18.9±2.7 |
| LP 325-34 | 14:50:11.1 | 32:18:17 | 12.4 | 9.182 | 8.524 | 8.272 | 7.30 | 23.8±3.4 |
| LP 326-38** | 14:51:10.4 | 31:06:40 | 12.2 | 8.423 | 7.856 | 7.574 | 7.85 | 13.0±2.1 |
| LP 41-431* | 15:03:02.4 | 70:26:07 | 12.6 | 8.937 | 8.290 | 8.072 | 7.19 | 22.4±3.2 |
| LP 272-42 | 15:09:06.8 | 32:54:44 | 14.0 | 10.184 | 9.583 | 9.284 | 7.77 | 30.4±5.0 |
| LP 272-63 | 15:15:07.0 | 33:18:03 | 12.6 | 9.179 | 8.629 | 8.357 | 7.04 | 26.6±4.2 |
| LP 177-278 | 16:04:52.5 | 48:27:41 | 13.8 | 9.674 | 9.078 | 8.788 | 7.75 | 24.2±4.0 |
| LP 274-65 | 16:04:55.7 | 33:28:21 | 13.7 | 9.672 | 9.073 | 8.795 | 7.12 | 32.3±5.1 |
| G 168-25 | 16:12:02.6 | 31:58:47 | 14.3 | 10.249 | 9.685 | 9.402 | 7.84 | 30.3±5.0 |
| LP 100-134 | 16:14:53.0 | 60:38:27 | 13.9 | 9.849 | 9.357 | 9.046 | 7.76 | 26.2±4.4 |
| G 181-32 | 17:15:28.0 | 30:52:22 | 14.4 | 9.447 | 8.877 | 8.609 | 7.10 | 29.5±4.6 |
| LP 230-29 | 19:07:12.6 | 44:16:07 | 14.4 | 10.471 | 9.880 | 9.576 | 8.50 | 24.8±4.3 |
| W 1110 | 19:44:35.1 | 52:51:30 | 13.5 | 9.610 | 9.028 | 8.784 | 6.87 | 35.3±5.5 |
| LP 287-15 | 21:58:24.3 | 36:42:14 | 14.1 | 10.382 | 9.756 | 9.506 | 7.77 | 33.3±5.5 |
| R 268** | 22:06:22.5 | 17:22:20 | 13.4 | 8.937 | 8.355 | 8.072 | 7.80 | 16.9±2.8 |
| G 127-42 | 22:38:44.2 | 25:13:30 | 14.0 | 9.783 | 9.184 | 8.920 | 7.43 | 29.6±4.7 |
| G 156-37B* | 22:41:13.4 | 10:44:51 | 13.8 | 9.929 | 9.399 | 9.027 | 8.39 | 20.3±3.6 |
| G 156-37A** | 22:41:13.8 | 10:44:47 | 11.9 | 8.820 | 8.186 | 7.892 | 7.37 | 19.5±3.1 |
| LP 461-11* | 22:47:38.8 | 18:26:36 | 12.5 | 9.167 | 8.521 | 8.235 | 7.41 | 22.5±3.5 |
| G 68-46** | 23:51:22.2 | 23:44:20 | 13.3 | 9.672 | 9.081 | 8.816 | 8.33 | 18.6±3.2 |
| NLTT2 | | | | | | | | |
| LP 644-94* | 0:09:13.5 | -4:08:02 | 12.0 | 8.600 | 7.943 | 7.706 | 6.74 | 23.5±3.6 |
| LP 880-803 | 0:16:20.1 | -31:27:39 | 13.3 | 9.535 | 8.915 | 8.684 | 6.96 | 32.8±5.0 |
| LP 292-63 | 0:17:57.9 | 30:28:10 | 16.4 | 11.666 | 10.988 | 10.651 | 9.52 | 26.8±2.3 |
| LP 86-82 | 0:21:54.9 | -68:31:25 | 11.6 | 8.246 | 7.570 | 7.348 | 6.13 | 26.5±4.0 |
| LP 881-50 | 0:22:33.9 | -31:10:24 | 14.5 | 10.656 | 10.028 | 9.741 | 7.05 | 52.6±8.0 |
| LP 881-102 | 0:28:07.9 | -26:52:28 | 15.5 | 10.636 | 9.986 | 9.791 | 7.06 | 52.0±7.9 |
| LP 50-78* | 0:31:04.1 | -72:01:06 | 13.3 | 9.373 | 8.737 | 8.445 | 7.59 | 22.7±3.5 |
| G 172-10 | 0:35:25.6 | 44:07:19 | 14.4 | 10.107 | 9.415 | 9.164 | 7.47 | 33.6±5.1 |
| LP 881-239 | 0:37:35.8 | -27:08:30 | 14.2 | 10.040 | 9.466 | 9.176 | 7.53 | 31.7±4.9 |
| LP 825-628 | 0:39:36.6 | -30:11:26 | 14.8 | 11.022 | 10.430 | 10.155 | 6.82 | 69.2±10.6 |
| LP 881-272 | 0:39:56.0 | -30:32:45 | 14.4 | 10.619 | 10.078 | 9.754 | 7.82 | 36.2±5.5 |
| LP 466-140 | 0:56:51.0 | 15:36:58 | 15.1 | 10.927 | 10.355 | 10.031 | 7.43 | 50.1±7.6 |
| LP 466-156 | 0:59:16.3 | 13:51:35 | 15.3 | 11.255 | 10.707 | 10.441 | 7.78 | 49.6±7.5 |
| LP 586-73 | 1:00:22.3 | -1:24:04 | 14.4 | 10.339 | 9.713 | 9.494 | 6.92 | 48.2±7.4 |
| LP 466-236 | 1:06:39.2 | 14:48:46 | 13.9 | 9.684 | 9.052 | 8.799 | 6.64 | 40.5±6.2 |
| LP 827-167 | 1:23:31.8 | -23:45:41 | 15.4 | 11.206 | 10.707 | 10.327 | 9.48 | 22.2±1.9 |
| LP 883-542 | 1:29:40.0 | -26:30:05 | 14.1 | 10.288 | 9.662 | 9.400 | 7.01 | 45.3±6.9 |
| LP 883-432 | 1:30:41.4 | -28:12:32 | 14.5 | 10.596 | 10.016 | 9.775 | 7.51 | 41.5±6.5 |
| LP 768-199 | 1:37:51.2 | -14:43:15 | 14.7 | 10.219 | 9.624 | 9.415 | 7.02 | 43.6±6.7 |
| LP 828-89* | 1:53:11.3 | -21:05:43 | 11.7 | 8.078 | 7.423 | 7.142 | 6.42 | 21.5±3.3 |
| LP 768-670** | 1:54:08.0 | -15:36:21 | 15.6 | 9.770 | 9.232 | 8.861 | 8.39 | 18.9±3.2 |
| LP 768-702 | 1:55:32.2 | -15:31:21 | 11.6 | 8.816 | 8.178 | 7.915 | 6.11 | 34.8±5.3 |
| LP 13-529 | 2:01:03.1 | 76:39:17 | 14.8 | 10.926 | 10.339 | 10.095 | 7.39 | 51.1±7.2 |
| G 173-44* | 2:12:32.2 | 50:06:22 | 14.4 | 9.596 | 9.019 | 8.778 | 7.96 | 21.3±3.8 |
| LP 650-215* | 2:20:22.4 | -8:08:24 | 15.3 | 10.901 | 10.357 | 10.054 | 9.23 | 21.6±1.9 |
| LP 353-75* | 2:24:56.8 | 25:33:33 | 14.2 | 9.145 | 8.538 | 8.276 | 7.35 | 22.9±3.6 |
| LP 650-158 | 2:31:33.3 | -3:56:22 | 13.4 | 8.935 | 8.297 | 8.076 | 6.74 | 27.5±4.2 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 941-160 | 2:32:46.1 | -34:21:39 | 15.3 | 10.878 | 10.284 | 10.004 | 8.37 | 31.7±5.3 |
| G 36-26** | 2:36:44.1 | 22:40:26 | 14.7 | 10.054 | 9.488 | 9.181 | 9.52 | 12.8±1.1 |
| LP 650-323** | 2:37:46.2 | -7:05:48 | 15.3 | 10.624 | 10.083 | 9.792 | 9.28 | 18.6±1.6 |
| LP 650-337 | 2:39:03.6 | -3:52:58 | 14.3 | 10.308 | 9.684 | 9.484 | 6.42 | 59.8±9.2 |
| LP 354-164 | 2:40:11.5 | 24:51:03 | 13.8 | 10.186 | 9.578 | 9.302 | 7.24 | 38.9±6.1 |
| LP 650-366 | 2:40:17.9 | -5:17:41 | 15.3 | 11.198 | 10.556 | 10.294 | 7.57 | 53.2±7.9 |
| LP 650-407 | 2:42:34.6 | -5:58:41 | 15.4 | 10.893 | 10.243 | 9.988 | 7.32 | 51.9±7.9 |
| LP 771-21** | 2:48:41.0 | -16:51:21 | 18.2 | 12.557 | 11.856 | 11.409 | 11.17 | 19.1±2.0 |
| LP 154-66 | 2:56:46.0 | 46:48:43 | 14.6 | 10.817 | 10.207 | 9.964 | 6.64 | 68.4±10.5 |
| G 95-2 | 3:02:24.0 | 41:32:48 | 14.6 | 10.864 | 10.227 | 9.965 | 7.46 | 47.9±7.3 |
| LP 591-248 | 3:02:30.2 | -1:47:54 | 18.2 | 12.263 | 11.739 | 11.341 | 9.78 | 31.4±2.6 |
| LP 887-84 | 3:12:17.9 | -27:27:12 | 13.6 | 9.420 | 8.817 | 8.589 | 6.89 | 32.1±4.9 |
| LP 198-310 | 3:14:38.3 | 43:11:04 | 14.9 | 10.371 | 9.762 | 9.472 | 7.45 | 38.3±5.9 |
| LP 198-596 | 3:17:00.7 | 40:21:24 | 14.5 | 10.574 | 9.989 | 9.691 | 7.57 | 39.9±5.8 |
| LP 652-192 | 3:16:21.1 | -3:44:38 | 13.8 | 10.099 | 9.455 | 9.220 | 7.06 | 40.6±6.2 |
| LP 831-68** | 3:16:47.8 | -21:25:26 | 11.3 | 7.608 | 6.960 | 6.701 | 6.67 | 15.4±2.4 |
| LP 652-237 | 3:18:08.1 | -3:21:28 | 14.8 | 10.796 | 10.218 | 9.951 | 6.95 | 58.9±9.0 |
| LP 198-637* | 3:20:45.2 | 39:43:32 | 12.2 | 8.091 | 7.441 | 7.224 | 6.46 | 21.2±3.3 |
| LP 652-310 | 3:21:05.6 | -5:26:35 | 15.4 | 11.027 | 10.493 | 10.213 | 9.18 | 23.4±2.1 |
| LP 356-88 | 3:28:03.7 | 26:31:01 | 13.7 | 10.079 | 9.490 | 9.239 | 6.89 | 43.4±6.8 |
| LP 773-52 | 3:53:04.8 | -20:02:56 | 15.9 | 11.152 | 10.555 | 10.338 | 7.49 | 54.1±8.0 |
| LP 248-7 | 3:56:46.6 | 36:24:41 | 16.3 | 10.960 | 10.368 | 10.079 | 8.16 | 36.3±5.8 |
| LP 655-23* | 4:30:52.0 | -8:49:19 | 14.0 | 9.857 | 9.276 | 9.016 | 8.26 | 20.8±3.5 |
| LP 476-37 | 4:47:35.7 | 14:36:27 | 18.8 | 12.703 | 12.146 | 11.716 | 10.44 | 27.3±3.0 |
| LP 15-146 | 5:15:30.3 | 78:55:52 | 14.4 | 10.482 | 9.748 | 9.513 | 6.64 | 58.6±9.2 |
| LP 658-71** | 5:54:05.1 | -2:48:21 | 15.6 | 10.750 | 10.138 | 9.795 | 9.34 | 19.2±1.6 |
| LP 16-166 | 6:16:14.2 | 77:22:55 | 14.5 | 9.822 | 9.179 | 8.963 | 6.72 | 41.7±6.4 |
| LP 4-346 | 6:18:06.4 | 80:45:51 | 15.5 | 11.167 | 10.557 | 10.299 | 7.61 | 50.5±8.5 |
| LP 4-203 | 6:18:44.3 | 83:25:33 | 14.4 | 10.547 | 10.027 | 9.750 | 7.68 | 37.4±5.9 |
| LP 16-197 | 6:23:57.9 | 77:58:19 | 18.1 | 12.301 | 11.694 | 11.354 | 9.64 | 34.0±2.9 |
| LP 204-70 | 6:21:09.2 | 43:23:23 | 14.9 | 9.946 | 9.284 | 9.062 | 7.15 | 36.3±5.5 |
| LP 720-10 | 6:23:38.5 | -9:38:51 | 17.9 | 9.806 | 9.298 | 8.959 | 7.54 | 28.4±4.3 |
| LP 780-32** | 6:39:37.4 | -21:01:33 | 12.2 | 8.487 | 7.921 | 7.651 | 8.21 | 11.4±1.9 |
| L 453-31** | 6:39:41.1 | -36:59:02 | 11.3 | 8.308 | 7.644 | 7.416 | 7.04 | 18.0±2.7 |
| L 453-49 | 6:44:32.4 | -38:31:58 | 13.7 | 10.077 | 9.474 | 9.216 | 7.53 | 32.3±4.9 |
| G 109-30 | 6:54:21.0 | 24:13:26 | 14.8 | 10.675 | 10.107 | 9.835 | 7.32 | 47.0±7.2 |
| LP 58-190 | 7:29:14.2 | 68:16:51 | 15.1 | 11.115 | 10.505 | 10.261 | 8.31 | 36.4±6.1 |
| LP 17-44 | 7:29:18.6 | 75:54:03 | 17.8 | 12.030 | 11.467 | 11.130 | 9.91 | 26.5±2.2 |
| G 111-5 | 7:29:48.2 | 41:13:17 | 14.3 | 10.532 | 9.963 | 9.734 | 8.18 | 29.6±5.2 |
| L 528-16** | 7:38:09.7 | -31:12:19 | 12.3 | 8.197 | 7.571 | 7.305 | 7.14 | 16.3±2.5 |
| LP 17-75 | 7:47:05.8 | 76:03:27 | 14.2 | 9.967 | 9.388 | 9.113 | 7.82 | 26.8±4.5 |
| LP 783-21 | 7:53:37.4 | -18:57:57 | 13.5 | 9.743 | 9.263 | 8.979 | 7.51 | 27.9±4.3 |
| LP 163-51 | 7:59:25.1 | 48:54:19 | 14.4 | 10.348 | 9.779 | 9.508 | 7.53 | 36.7±5.8 |
| LP 17-228 | 8:09:02.8 | 75:37:15 | 14.3 | 10.254 | 9.667 | 9.430 | 7.52 | 35.2±5.6 |
| G 111-60* | 8:11:15.3 | 36:07:07 | 14.4 | 9.886 | 9.332 | 9.054 | 8.33 | 20.4±3.6 |
| LP 899-1 | 8:13:28.6 | -32:27:30 | 13.0 | 9.090 | 8.451 | 8.204 | 6.98 | 26.4±4.0 |
| LP 843-16** | 8:14:22.6 | -25:42:18 | 11.8 | 8.094 | 7.455 | 7.198 | 6.87 | 17.6±2.7 |
| LP 843-18 | 8:19:42.5 | -23:48:44 | 13.5 | 9.973 | 9.368 | 9.087 | 7.51 | 31.1±4.7 |
| G 9-24 | 8:49:47.1 | 13:07:05 | 16.6 | 11.617 | 10.950 | 10.738 | 8.24 | 47.4±8.0 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 368-99 | 8:52:44.8 | 22:30:56 | 14.3 | 9.901 | 9.394 | 9.156 | 7.52 | 30.0 ± 4.8 |
| LP 368-98 | 8:52:44.7 | 22:30:52 | 13.9 | 10.040 | 9.431 | 9.162 | 7.50 | 32.2±4.9 |
| LP 187-21 | 8:52:56.2 | -56:26:42 | 13.8 | 10.061 | 9.407 | 9.172 | 7.23 | 36.8±5.8 |
| LP 486-55 | 8:54:46.4 | 12:30:20 | 11.4 | 8.404 | 7.755 | 7.516 | 5.82 | 32.8±5.0 |
| G 161-19 | 9:23:24.9 | -5:02:56 | 14.0 | 9.923 | 9.308 | 9.065 | 7.28 | 33.8±5.2 |
| G 161-20 | 9:23:25.7 | -5:03:00 | 14.3 | 10.003 | 9.398 | 9.161 | 7.25 | 35.5±5.4 |
| LP 36-276** | 9:45:08.6 | 71:44:51 | 16.0 | 10.660 | 10.086 | 9.771 | 9.81 | 14.8±1.2 |
| G 116-50 | 9:45:50.9 | 35:21:53 | 14.1 | 10.352 | 9.736 | 9.497 | 8.05 | 29.0±5.6 |
| LP 261-109 | 9:55:06.6 | 34:20:40 | 15.4 | 11.340 | 10.753 | 10.481 | 8.33 | 40.0±6.7 |
| LP 37-57** | 10:02:05.8 | 69:45:29 | 14.5 | 9.777 | 9.188 | 8.892 | 8.38 | 19.0±3.2 |
| LP 261-165 | 10:02:49.1 | 36:42:29 | 16.2 | 11.339 | 10.725 | 10.465 | 8.27 | 41.0±6.9 |
| Wolf 341 | 10:03:01.9 | 34:33:00 | 14.0 | 10.203 | 9.592 | 9.296 | 7.88 | 29.1±4.7 |
| LP 669-19 | 10:04:26.3 | -5:05:52 | 18.7 | 10.971 | 10.391 | 10.125 | 8.28 | 34.5±5.8 |
| LP 92-171 | 10:31:32.0 | 60:03:35 | 14.8 | 10.569 | 10.064 | 9.699 | 7.57 | 39.8±6.2 |
| LP 731-65 | 10:50:32.8 | -13:26:13 | 15.0 | 11.119 | 10.525 | 10.221 | 8.42 | 34.7±5.8 |
| LP 673-101 | 11:36:17.1 | -5:26:49 | 12.7 | 9.311 | 8.640 | 8.450 | 5.93 | 47.5±7.2 |
| LP 19-419 | 11:57:34.2 | 79:27:02 | 18.0 | 11.902 | 11.378 | 11.069 | 10.15 | 21.4±2.3 |
| LP 851-399 | 11:57:53.5 | -23:49:00 | 14.6 | 10.227 | 9.688 | 9.328 | 7.55 | 34.3±5.8 |
| LP 851-410 | 11:58:19.8 | -22:40:59 | 13.7 | 9.346 | 8.692 | 8.438 | 7.25 | 26.3±4.0 |
| LP 20-178 | 12:03:36.3 | 79:07:00 | 18.6 | 12.266 | 11.659 | 11.341 | 10.15 | 25.3±2.8 |
| LP 39-244 | 12:19:52.7 | 68:19:45 | 13.5 | 9.959 | 9.324 | 9.094 | 7.17 | 36.1±5.2 |
| G 148-49 | 12:21:39.2 | 31:28:01 | 13.4 | 9.224 | 8.630 | 8.274 | 5.47 | 56.3±8.2 |
| LP 64-520 | 12:21:56.6 | 62:18:23 | 16.8 | 11.729 | 11.102 | 10.787 | 8.67 | 40.9±5.4 |
| G 148-59* | 12:26:57.3 | 27:00:54 | 14.5 | 10.213 | 9.623 | 9.347 | 8.50 | 22.0±3.7 |
| LP 64-283 | 12:33:46.1 | 65:00:04 | 14.5 | 10.733 | 10.153 | 9.908 | 8.40 | 29.3±4.9 |
| LP 435-318 | 12:35:18.5 | 17:09:36 | 19.1 | 12.845 | 12.244 | 11.904 | 10.15 | 33.0±3.6 |
| G 59-31 | 12:39:08.3 | 25:20:52 | 14.3 | 10.485 | 9.920 | 9.661 | 7.50 | 39.5±5.7 |
| LP 95-333 | 12:44:12.8 | 59:06:09 | 13.6 | 9.610 | 8.953 | 8.747 | 6.51 | 41.7±6.0 |
| LP 21-14 | 12:45:20.5 | 79:29:31 | 17.2 | 11.779 | 11.129 | 10.824 | 9.33 | 30.9±2.6 |
| LP 321-167 | 12:52:29.6 | 26:54:26 | 12.8 | 9.237 | 8.605 | 8.384 | 6.16 | 41.3±6.3 |
| G 168-51 | 13:11:31.8 | 36:56:36 | 14.0 | 10.158 | 9.534 | 9.298 | 7.05 | 41.8±6.1 |
| LP 65-357** | 13:14:23.9 | 66:22:32 | 16.7 | 11.427 | 10.818 | 10.459 | 9.99 | 19.4±1.6 |
| LP 96-100 | 13:17:12.8 | 61:25:47 | 15.8 | 11.457 | 10.879 | 10.594 | 8.25 | 43.8±7.4 |
| LP 132-165 | 13:21:42.8 | 54:15:41 | 15.8 | 11.169 | 10.608 | 10.339 | 8.35 | 36.6±6.2 |
| LP 97-259 | 13:52:55.6 | 56:36:20 | 11.8 | 8.615 | 7.998 | 7.794 | 6.16 | 31.0±4.7 |
| LP 133-172 | 13:53:10.9 | 55:28:32 | 15.0 | 10.414 | 9.766 | 9.536 | 8.41 | 25.1±4.2 |
| Grw+69:560 | 14:06:14.9 | 69:18:42 | 13.4 | 8.773 | 8.120 | 7.922 | 6.90 | 23.7±3.6 |
| LP 221-55 | 14:24:47.3 | 39:06:29 | 12.4 | 8.946 | 8.348 | 8.123 | 6.06 | 37.8±5.8 |
| LP 41-203 | 14:31:28.1 | 72:45:20 | 13.2 | 9.482 | 8.927 | 8.694 | 7.21 | 28.5±4.3 |
| Grw+67:463 | 14:43:51.2 | 66:44:33 | 12.7 | 8.908 | 8.227 | 8.029 | 6.19 | 34.9±5.3 |
| G 224-20** | 14:44:25.4 | 58:17:13 | 15.2 | 10.938 | 10.424 | 10.078 | 9.46 | 19.8±1.7 |
| LP 135-222 | 15:17:55.7 | 55:53:27 | 14.6 | 10.824 | 10.279 | 9.963 | 8.35 | 31.2±5.3 |
| LP 99-246 | 15:25:24.5 | 60:44:00 | 13.9 | 9.654 | 9.084 | 8.803 | 7.20 | 30.9±4.9 |
| LP 135-315** | 15:26:33.2 | 55:22:20 | 17.5 | 10.716 | 10.129 | 9.828 | 9.29 | 19.3±1.7 |
| LP 177-23 | 15:41:05.4 | 45:49:13 | 14.7 | 10.393 | 9.897 | 9.632 | 7.53 | 37.4±5.7 |
| LP 553-44** | 16:01:56.5 | -33:57:07 | 11.5 | 7.804 | 7.213 | 6.936 | 7.50 | 11.5±1.8 |
| LP 917-25* | 16:20:37.6 | -30:39:40 | 12.5 | 8.561 | 8.016 | 7.793 | 6.85 | 22.0±3.4 |
| LP 101-183 | 16:35:12.4 | 56:51:54 | 14.4 | 10.474 | 9.827 | 9.606 | 6.82 | 53.8±8.2 |
| LP 862-197 | 16:38:31.8 | -21:14:07 | 15.0 | 11.058 | 10.457 | 10.181 | 8.29 | 35.8±6.0 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 331-57** | 17:03:52.8 | 32:11:45 | 11.8 | 7.894 | 7.280 | 7.084 | 7.31 | 13.1±2.0 |
| T4 | 17:15:37.6 | -28:53:41 | 15.7 | 10.751 | 10.185 | 9.921 | 7.42 | 46.3±7.1 |
| T5 | 17:17:11.4 | -29:10:06 | 16.8 | 11.567 | 11.064 | 10.763 | 9.33 | 28.0±2.5 |
| T17 | 17:24:36.2 | -30:56:53 | 14.7 | 11.005 | 10.371 | 10.075 | 7.08 | 60.9±9.3 |
| L 485-9 | 17:24:56.2 | -35:28:37 | 14.5 | 10.065 | 9.517 | 9.212 | 6.53 | 50.9±7.8 |
| L 485-8 | 17:25:00.3 | -35:29:32 | 13.5 | 9.409 | 8.932 | 8.709 | 6.29 | 42.6±6.4 |
| T 24 | 17:28:02.8 | -31:11:40 | 15.6 | 11.297 | 10.594 | 10.392 | 7.42 | 59.5±9.1 |
| G 154-10 | 17:43:39.9 | -14:41:14 | 15.2 | 11.238 | 10.668 | 10.407 | 7.53 | 55.1±7.8 |
| LP 102-243 | 17:45:48.0 | 58:53:19 | 15.1 | 10.792 | 10.184 | 9.900 | 8.48 | 28.9±4.9 |
| LP 102-241** | 17:46:11.8 | 60:24:22 | 14.8 | 9.996 | 9.403 | 9.100 | 8.56 | 19.3±3.3 |
| LP 278-42** | 17:51:35.6 | 37:49:34 | 15.7 | 10.445 | 9.852 | 9.469 | 9.57 | 14.9±1.3 |
| L 559-120 | 17:56:32.8 | -32:53:00 | 14.6 | 10.631 | 10.061 | 9.811 | 6.94 | 54.8±8.4 |
| LHS 3339 | 17:55:33.4 | 58:24:26 | 17.1 | 11.799 | 11.227 | 10.852 | 8.91 | 37.8±4.6 |
| LP 921-23 | 17:58:24.5 | -31:40:54 | 14.8 | 10.818 | 10.192 | 9.916 | 7.44 | 47.4±7.4 |
| LP 449-10** | 18:06:48.6 | 17:20:47 | 14.7 | 9.501 | 8.935 | 8.649 | 8.32 | 17.2±2.9 |
| LP 44-334** | 18:40:02.4 | 72:40:54 | 16.5 | 10.996 | 10.389 | 9.996 | 10.44 | 12.5±1.4 |
| G 184-28 | 18:48:47.1 | 16:27:38 | 14.5 | 10.640 | 10.125 | 9.878 | 7.53 | 42.0±6.1 |
| G 184-31** | 18:49:54.5 | 18:40:29 | 14.3 | 9.385 | 8.797 | 8.498 | 8.59 | 14.4±2.4 |
| G 184-37 | 18:51:50.9 | 19:30:01 | 14.9 | 10.658 | 10.085 | 9.838 | 7.22 | 48.7±7.4 |
| G 205-43 | 18:54:56.6 | 47:36:37 | 14.1 | 10.311 | 9.737 | 9.489 | 7.34 | 39.2±6.2 |
| LP 336-10 | 18:58:25.2 | 29:23:25 | 12.2 | 9.068 | 8.388 | 8.188 | 6.43 | 33.8±5.9 |
| G 205-57 | 19:10:14.4 | 46:57:26 | 14.2 | 9.603 | 9.001 | 8.709 | 7.29 | 29.1±4.4 |
| LP 452-8 | 19:14:25.4 | 17:55:08 | 12.1 | 8.598 | 8.002 | 7.797 | 6.02 | 32.8±4.8 |
| LP 392-13 | 19:17:29.2 | 23:05:21 | 15.4 | 11.223 | 10.666 | 10.436 | 6.93 | 72.2±11.0 |
| LP 812-110 | 19:21:05.6 | -20:17:02 | 14.6 | 10.292 | 9.707 | 9.429 | 7.42 | 37.5±5.4 |
| G 185-16 | 19:20:27.6 | 27:43:03 | 14.2 | 10.205 | 9.592 | 9.338 | 8.29 | 24.1±4.1 |
| LP 392-15 | 19:20:47.1 | 26:54:48 | 13.5 | 9.955 | 9.310 | 9.079 | 6.49 | 49.3±7.1 |
| G 185-23** | 19:26:01.6 | 24:26:17 | 14.4 | 9.624 | 9.010 | 8.702 | 8.45 | 17.1±2.9 |
| G 125-15** | 19:31:12.6 | 36:07:30 | 14.7 | 9.605 | 9.074 | 8.813 | 9.40 | 11.0±0.9 |
| W 1109 | 19:36:20.4 | 51:48:50 | 14.1 | 10.107 | 9.504 | 9.275 | 7.12 | 39.7±6.0 |
| LP 393-8 | 19:38:14.4 | 21:28:00 | 14.1 | 10.143 | 9.632 | 9.418 | 7.23 | 38.3±5.5 |
| G 152-22 | 19:38:33.2 | 32:30:17 | 14.5 | 10.656 | 9.947 | 9.695 | 7.27 | 47.6±7.3 |
| G 125-23** | 19:38:43.7 | 33:11:35 | 14.5 | 9.611 | 9.018 | 8.810 | 8.23 | 18.9±3.2 |
| G 125-27 | 19:41:27.8 | 32:39:51 | 14.5 | 10.294 | 9.775 | 9.574 | 7.25 | 40.7±6.2 |
| G 125-34** | 19:48:40.8 | 35:55:55 | 13.9 | 8.891 | 8.313 | 8.088 | 8.03 | 14.9±2.7 |
| LP 870-54 | 19:52:41.6 | -24:46:01 | 13.2 | 9.522 | 8.938 | 8.683 | 7.05 | 31.2±4.5 |
| LP 232-4 | 19:56:24.3 | 39:55:17 | 13.9 | 9.705 | 9.073 | 8.861 | 6.03 | 54.4±8.5 |
| LP 105-469 | 19:57:13.3 | 57:52:52 | 14.0 | 10.251 | 9.676 | 9.370 | 8.23 | 25.4±4.3 |
| G 125-49 | 19:58:27.5 | 32:17:19 | 15.0 | 11.003 | 10.383 | 10.163 | 7.61 | 47.7±6.7 |
| G 209-11 | 20:01:50.5 | 45:00:49 | 14.2 | 10.460 | 9.834 | 9.610 | 7.35 | 41.8±6.4 |
| G 125-54 | 20:02:40.4 | 31:09:44 | 14.5 | 10.553 | 9.959 | 9.722 | 7.07 | 49.8±7.6 |
| G 209-18 | 20:10:40.1 | 40:40:08 | 14.9 | 10.803 | 10.237 | 9.967 | 8.55 | 28.3±4.7 |
| G 209-23 | 20:15:07.3 | 47:37:08 | 15.0 | 10.988 | 10.246 | 10.005 | 7.44 | 51.2±7.8 |
| G 186-24** | 20:22:14.8 | 31:17:48 | 14.3 | 9.984 | 9.426 | 9.157 | 8.48 | 20.0±3.5 |
| G 209-30 | 20:29:23.7 | 46:39:28 | 13.7 | 10.101 | 9.441 | 9.206 | 7.02 | 41.3±6.3 |
| G 209-32 | 20:31:02.2 | 39:34:46 | 14.3 | 10.428 | 9.839 | 9.599 | 7.62 | 36.5±5.6 |
| G 209-36* | 20:33:41.7 | 36:35:58 | 13.8 | 9.412 | 8.889 | 8.611 | 7.82 | 20.8±3.3 |
| LP695-372** | 20:42:45.2 | -5:00:19 | 17.0 | 11.475 | 10.891 | 10.550 | 10.44 | 15.5±1.7 |
| G 212-16 | 21:01:33.1 | 40:46:20 | 14.8 | 10.586 | 10.028 | 9.791 | 7.49 | 41.7±5.9 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| G 211-9** | 21:02:46.1 | 34:54:35 | 14.2 | 9.838 | 9.275 | 9.007 | 8.47 | 18.8±3.2 |
| LP 234-1558 | 21:08:17.3 | 42:47:35 | 15.1 | 9.591 | 9.003 | 8.793 | 6.22 | 47.2±7.2 |
| LP 757-92** | 21:11:24.2 | -9:40:32 | 15.3 | 10.937 | 10.295 | 9.949 | 9.49 | 19.4±1.6 |
| G 212-27 | 21:10:58.8 | 46:57:32 | 13.7 | 9.894 | 9.276 | 9.023 | 7.30 | 33.0±5.0 |
| LP 234-2220 | 21:18:59.3 | 43:38:03 | 15.1 | 11.083 | 10.564 | 10.256 | 7.45 | 53.3±8.1 |
| LP 234-2426 | 21:21:40.0 | 43:18:38 | 13.5 | 9.707 | 9.031 | 8.820 | 6.46 | 44.6±6.8 |
| LP 459-419 | 22:12:03.4 | 16:41:09 | 16.1 | 11.458 | 10.830 | 10.525 | 8.38 | 41.2±6.9 |
| G 232-67 | 22:21:36.4 | 52:55:35 | 13.5 | 9.884 | 9.244 | 9.045 | 6.41 | 49.5±7.6 |
| G189-22 | 22:30:43.3 | 31:59:24 | 14.5 | 9.996 | 9.403 | 9.161 | 7.27 | 35.2±5.4 |
| G 216-21 | 22:48:48.0 | 45:20:18 | 14.4 | 10.347 | 9.778 | 9.508 | 8.33 | 25.3±4.3 |
| G 233-33 | 22:55:47.6 | 61:09:13 | 13.7 | 9.905 | 9.286 | 9.058 | 6.95 | 38.9±6.0 |
| NLTT3 | | | | | | | | |
| LP 585-73 | 0:40:26.5 | -0:08:41 | 12.5 | 8.933 | 8.347 | 8.007 | 7.12 | 23.1±3.6 |
| G 172-36 | 1:04:09.6 | 52:38:57 | 14.8 | 10.966 | 10.412 | 10.134 | 8.04 | 38.5±6.2 |
| BD+51:318B | 1:30:56.6 | 52:45:01 | 14.5 | 10.757 | 10.144 | 9.884 | 6.68 | 65.4±10.0 |
| G 173-33 | 2:03:42.5 | 52:13:14 | 14.8 | 10.581 | 10.058 | 9.899 | 7.21 | 47.2±7.2 |
| G 73-27* | 2:08:12.2 | 15:08:42 | 14.3 | 9.996[1] | 9.381 | 9.100 | 8.31 | 21.7±3.0 |
| LP 469-118* | 2:08:12.4 | 15:08:44 | 14.4 | 10.052[1] | 9.441 | 9.196 | 8.48 | 20.6±2.7 |
| G 174-4 | 2:34:34.7 | 56:36:45 | 12.5 | 8.917 | 8.228 | 8.020 | 6.78 | 26.7±4.2 |
| LP 591-156* | 2:56:03.9 | -0:36:33 | 14.7 | 10.434 | 9.867 | 9.576 | 8.75 | 21.7±3.4 |
| G 174-25 | 2:58:06.6 | 50:14:13 | 13.7 | 9.578 | 9.025 | 8.780 | 7.38 | 27.5±5.5 |
| LP 198-482 | 2:59:22.0 | 41:01:59 | 12.1 | 8.153 | 7.502 | 7.367 | 5.57 | 32.9±5.1 |
| LP 198-498 | 3:00:40.5 | 39:43:50 | 14.7 | 10.604 | 9.990 | 9.749 | 6.17 | 77.1±11.8 |
| LP 154-86 | 3:01:38.5 | 49:39:13 | 15.0 | 11.031 | 10.499 | 10.209 | 6.88 | 67.6±10.6 |
| G 75-60 | 3:02:09.8 | -0:44:43 | 13.1 | 9.530 | 8.946 | 8.733 | 6.92 | 33.3±5.0 |
| G 174-28 | 3:03:48.2 | 50:56:42 | 13.9 | 9.869 | 9.288 | 9.030 | 6.95 | 38.4±6.0 |
| G 95-19 | 3:15:27.5 | 40:28:55 | 12.1 | 9.044 | 8.214 | 8.171 | 5.76 | 45.3±7.0 |
| G 78-25 | 3:16:23.3 | 48:22:56 | 14.8 | 10.560 | 9.976 | 9.693 | 7.30 | 44.9±6.9 |
| LP 155-59 | 3:21:48.4 | 48:06:33 | 14.0 | 10.084 | 9.525 | 9.277 | 6.91 | 43.2±6.8 |
| G 174-54 | 3:28:49.7 | 50:52:45 | 15.1 | 11.182 | 10.612 | 10.324 | 8.32 | 37.4±5.3 |
| LP 155-214 | 3:37:37.3 | 47:37:10 | 15.8 | 11.196 | 10.693 | 10.381 | 8.42 | 35.9±6.0 |
| LP 357-4* | 3:49:43.3 | 24:19:04 | 13.8 | 9.812 | 9.226 | 8.941 | 8.12 | 21.8±3.8 |
| LP 200-31 | 4:01:32.4 | 41:06:38 | 15.2 | 11.200 | 10.736 | 10.404 | 8.82 | 29.9±4.8 |
| LP 200-33 | 4:02:25.2 | 44:04:48 | 14.8 | 10.341 | 9.687 | 9.479 | 7.10 | 44.5±7.0 |
| R 40 | 4:04:13.9 | 41:52:25 | 13.1 | 9.616 | 8.954 | 8.761 | 6.03 | 52.1±8.1 |
| LP 31-420 | 4:05:57.4 | 69:25:09 | 15.2 | 11.127 | 10.464 | 10.283 | 6.70 | 76.8±11.7 |
| LP 414-108SW | 4:10:38.1 | 20:02:24 | 14.0: | 9.983[1] | 9.398 | 9.161 | 6.03 | 61.8±7.7 |
| LP 414-108NE | 4:10:38.3 | 20:02:26 | 14.0: | 10.063[1] | 9.479 | 9.239 | 5.98 | 65.6±7.8 |
| LP 31-307 | 4:10:59.9 | 73:02:26 | 15.7 | 11.371 | 10.768 | 10.518 | 8.34 | 40.4±6.8 |
| LP 156-58 | 4:26:13.6 | 46:59:45 | 15.1 | 11.022 | 10.426 | 10.111 | 8.65 | 29.8±5.0 |
| LP 201-36 | 4:29:17.2 | 43:31:09 | 16.1 | 11.521 | 10.877 | 10.665 | 7.91 | 52.7±8.9 |
| LP 201-45 | 4:31:29.3 | 41:41:10 | 16.7 | 11.097 | 10.602 | 10.290 | 7.88 | 44.0±6.7 |
| LP 595-21 | 4:32:55.5 | 0:06:34 | 15.0 | 10.300 | 9.719 | 9.426 | 8.31 | 25.0±3.9 |
| LP 595-22 | 4:32:55.6 | 0:06:29 | 13.7 | 9.861 | 9.261 | 8.985 | 7.36 | 31.6±5.0 |
| LP 595-23 | 4:32:56.2 | 0:06:15 | 11.6 | 8.425 | 7.836 | 7.551 | 6.32 | 26.3±4.1 |
| LP 201-54 | 4:33:48.2 | 42:27:06 | 15.6 | 11.460 | 10.783 | 10.532 | 8.34 | 42.2±8.0 |
| G 83-19 | 4:34:28.8 | 13:38:53 | 14.7 | 10.546 | 9.999 | 9.708 | 7.60 | 38.8±5.9 |
| LP 476-6 | 4:44:08.1 | 14:01:22 | 14.9 | 9.809 | 9.231 | 8.981 | 7.51 | 28.8±4.4 |
| LP 118-3 | 4:44:30.5 | 51:57:41 | 13.4 | 9.543 | 8.886 | 8.674 | 6.87 | 34.2±5.4 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 359-216** | 5:03:16.1 | 21:23:56 | 11.3 | 7.445 | 6.802 | 6.555 | 6.75 | 13.8±2.2 |
| G 86-30 | 5:10:55.3 | 28:26:43 | 15.1 | 10.842 | 10.186 | 9.961 | 7.68 | 42.9±6.9 |
| G 85-62 | 5:17:18.7 | 23:20:17 | 14.2 | 10.371 | 9.857 | 9.558 | 7.79 | 32.9±5.5 |
| G 86-37 | 5:17:20.0 | 32:07:46 | 14.2 | 9.274 | 8.622 | 8.404 | 7.43 | 23.4±3.7 |
| LP 15-187 | 5:30:29.1 | 77:53:08 | 14.5 | 10.257 | 9.663 | 9.414 | 7.06 | 43.6±6.7 |
| G 86-45* | 5:32:51.9 | 33:49:34 | 13.8 | 9.336 | 8.786 | 8.521 | 7.74 | 20.8±3.3 |
| G 100-16 | 5:32:59.9 | 26:08:26 | 14.7 | 10.024 | 9.413 | 9.162 | 7.40 | 33.5±5.1 |
| G 100-24 | 5:35:27.5 | 25:58:21 | 13.6 | 9.667 | 9.112 | 8.879 | 7.06 | 33.2±5.2 |
| G 98-19 | 5:38:57.5 | 30:26:02 | 13.7 | 9.337 | 8.766 | 8.521 | 7.34 | 25.1±4.0 |
| LP 418-11 | 5:46:54.2 | 16:59:15 | 13.7 | 9.963 | 9.316 | 9.096 | 7.11 | 37.2±5.7 |
| G 100-38 | 5:48:32.2 | 21:19:18 | 14.1 | 9.754 | 9.158 | 8.928 | 7.78 | 24.9±4.1 |
| LP 361-6* | 5:53:23.0 | 22:12:49 | 13.7 | 9.938 | 9.389 | 9.146 | 8.13 | 23.0±3.7 |
| G 100-45 | 5:53:25.2 | 26:03:53 | 14.4 | 10.296 | 9.690 | 9.443 | 7.50 | 36.2±5.7 |
| G 100-49 | 5:57:18.7 | 17:08:29 | 13.8 | 10.006 | 9.466 | 9.279 | 8.07 | 24.4±4.0 |
| G 100-50** | 5:58:53.3 | 21:21:01 | 14.8 | 10.003 | 9.423 | 9.099 | 9.12 | 15.0±1.8 |
| G 100-57 | 6:04:39.5 | 27:53:52 | 13.3 | 9.063 | 8.426 | 8.148 | 7.13 | 24.3±3.5 |
| LP 419-2 | 6:04:58.5 | 15:59:26 | 12.7 | 9.078 | 8.394 | 8.160 | 7.03 | 25.7±4.1 |
| G 98-52 | 6:11:56.0 | 33:25:50 | 14.5 | 10.167 | 9.618 | 9.365 | 8.07 | 26.2±4.2 |
| G 105-19 | 6:12:19.0 | 17:43:53 | 15.2 | 11.005 | 10.514 | 10.225 | 8.37 | 33.7±5.7 |
| LP 204-52 | 6:15:39.4 | 43:31:34 | 16.1 | 11.301 | 10.720 | 10.458 | 7.29 | 63.4±9.7 |
| LP 719-37 | 6:14:12.5 | -14:36:03 | 14.4 | 10.591 | 10.042 | 9.724 | 8.04 | 32.4±5.1 |
| LP 719-38 | 6:14:12.4 | -14:36:09 | 14.4 | 10.627 | 10.093 | 9.781 | 8.32 | 28.9±4.9 |
| G 103-29 | 6:18:34.8 | 25:03:05 | 14.1 | 9.912 | 9.308 | 9.052 | 7.83 | 26.1±5.6 |
| LP 600-8 | 6:20:15.4 | -0:23:39 | 15.7 | 11.299 | 10.722 | 10.434 | 8.56 | 27.1±4.6 |
| LP 420-6 | 6:21:43.9 | 16:19:22 | 12.3 | 9.025 | 8.443 | 8.177 | 7.01 | 25.3±4.0 |
| G 106-45** | 6:24:10.1 | -0:16:30 | 14.1 | 9.686 | 9.118 | 8.810 | 8.36 | 18.4±2.4 |
| LP 362-257 | 6:24:37.3 | 26:08:35 | 14.2 | 9.682 | 9.041 | 8.776 | 7.48 | 27.6±4.3 |
| LP 363-1 | 6:28:30.7 | 24:23:41 | 12.5 | 9.113 | 8.457 | 8.262 | 6.37 | 35.3±5.5 |
| G 108-4 | 6:29:50.3 | -2:47:52 | 13.8 | 9.482 | 8.896 | 8.636 | 7.62 | 23.6±3.4 |
| G 108-13 | 6:33:07.0 | -4:31:18 | 14.5 | 10.607 | 10.002 | 9.760 | 7.43 | 43.2±6.6 |
| LP 420-4 | 6:36:11.9 | 20:08:13 | 13.2 | 9.415 | 8.838 | 8.582 | 7.17 | 28.1±4.4 |
| LP 363-7 | 6:38:52.6 | 22:55:16 | 13.6 | 9.496 | 8.864 | 8.629 | 7.46 | 25.5±4.0 |
| G 108-17 | 6:39:18.4 | -2:05:46 | 14.6 | 10.752 | 10.186 | 9.956 | 7.64 | 41.9±6.4 |
| W 288 | 6:40:52.0 | 15:43:21 | 13.7 | 9.683 | 9.104 | 8.822 | 7.51 | 27.2±4.3 |
| G 110-14** | 6:43:34.8 | 16:41:34 | 14.3 | 9.806 | 9.227 | 8.875 | 8.44 | 18.8±3.3 |
| LP 421-7* | 6:52:24.3 | 18:17:04 | 12.8 | 9.027 | 8.430 | 8.116 | 7.51 | 20.2±3.2 |
| LP 661-12 | 6:55:18.8 | -6:58:54 | 15.3 | 11.112 | 10.565 | 10.320 | 8.05 | 41.0±6.6 |
| LP 661-13 | 6:56:19.0 | -8:35:46 | 14.7 | 9.617 | 9.033 | 8.741 | 7.50 | 26.5±4.0 |
| LP 661-17 | 6:57:46.0 | -5:34:41 | 15.0 | 10.794 | 10.197 | 9.939 | 7.28 | 50.4±7.7 |
| LP 721-16** | 6:59:09.7 | -13:47:25 | 11.5 | 8.009 | 7.341 | 7.155 | 7.12 | 15.1±2.2 |
| LP 721-17** | 6:59:09.7 | -13:47:17 | 12.0 | 8.082 | 7.418 | 7.258 | 7.74 | 11.7±1.7 |
| GJ 2060** | 7:28:51.4 | 30:14:34 | 10.2 | 6.573 | 5.960 | 5.706 | 6.44 | 10.6±1.5 |
| BD-29:5220 | 7:57:18.8 | -30:08:49 | 11.1 | 8.089 | 7.552 | 7.392 | 5.57 | 31.9±4.6 |
| R 396 | 8:22:47.9 | -9:07:34 | 11.4 | 8.598 | 8.011 | 7.825 | 5.54 | 40.9±7.5 |
| LP 605-37** | 8:34:25.9 | -1:08:39 | 12.2 | 8.800 | 8.307 | 8.033 | 7.39 | 19.1±2.8 |
| LP 668-73 | 9:41:26.0 | -5:08:24 | 12.5 | 8.707 | 8.185 | 7.942 | 6.72 | 25.0±3.6 |
| G 148-48** | 12:21:27.0 | 30:38:35 | 15.0 | 10.262 | 9.252 | 8.854 | 9.59 | 13.6±1.1 |
| LP 39-246 | 12:28:10.7 | 68:28:35 | 11.9 | 8.743 | 8.156 | 8.017 | 5.44 | 45.8±6.6 |
| LP 39-249 | 12:32:45.0 | 68:15:14 | 11.4 | 8.332 | 7.677 | 7.511 | 5.83 | 31.7±4.6 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 7-234 | 12:58:12.6 | 81:17:03 | 12.2 | 9.015 | 8.358 | 8.204 | 5.56 | 49.1±7.1 |
| Grw+77:4810 | 13:36:10.4 | 77:01:22 | 12.1 | 8.913 | 8.249 | 8.082 | 6.01 | 38.1±5.8 |
| BD+19:2776 | 14:15:38.7 | 18:37:12 | 11.4 | 7.923 | 7.486 | 7.377 | 5.49 | 30.7±4.4 |
| LP 97-817 | 14:21:37.9 | 56:27:18 | 15.8 | 11.446 | 10.822 | 10.578 | 9.56 | 23.9±2.9 |
| LP 41-258 | 14:41:46.2 | 70:15:44 | 15.1 | 10.643 | 10.076 | 9.835 | 7.37 | 45.1±6.9 |
| LP 98-251 | 14:48:38.5 | 58:07:35 | 14.1 | 10.122 | 9.537 | 9.350 | 5.88 | 70.5±10.2 |
| LP 8-292 | 15:20:02.7 | 80:36:50 | 12.7 | 9.288 | 8.628 | 8.460 | 6.56 | 35.2±5.5 |
| LP 745-78 | 16:37:52.0 | -14:19:51 | 11.4 | 8.283 | 7.615 | 7.459 | 5.66 | 33.5±4.9 |
| LP 919-11 | 16:53:36.9 | -28:35:41 | 12.2 | 8.991 | 8.435 | 8.178 | 5.76 | 44.3±6.4 |
| L 556-21 | 17:03:24.8 | -31:46:09 | 13.3 | 9.729 | 9.121 | 8.905 | 5.85 | 59.7±8.6 |
| LP 919-16 | 17:12:32.3 | -29:16:13 | 14.0 | 10.180 | 9.586 | 9.402 | 6.05 | 67.0±9.7 |
| LP 101-372* | 17:14:08.7 | 60:47:29 | 16.9 | 11.647 | 11.187 | 10.865 | 10.10 | 20.4±1.7 |
| T 9 | 17:18:46.7 | -29:46:05 | 13.7 | 10.018 | 9.410 | 9.240 | 6.03 | 62.7±9.1 |
| LP 920-11 | 17:19:13.7 | -27:45:43 | 14.3 | 10.030 | 9.459 | 9.231 | 7.29 | 35.3±5.1 |
| LP 920-54 | 17:28:24.7 | -31:40:40 | 11.6 | 8.562 | 7.779 | 7.480 | 5.53 | 40.4±5.9 |
| LP 864-14* | 17:29:46.2 | -25:03:53 | 13.7 | 9.376 | 8.744 | 8.496 | 7.54 | 23.3±3.4 |
| LP 807-18 | 17:29:58.6 | -20:59:24 | 13.6 | 9.795 | 9.241 | 9.005 | 7.36 | 30.7±4.4 |
| LP 864-16 | 17:30:49.2 | -26:42:33 | 14.9 | 10.425 | 9.892 | 9.572 | 7.34 | 41.4±6.3 |
| T 33B | 17:33:06.1 | -30:35:08 | 11.1 | 9.664 | 8.670 | 8.738 | 7.45 | 27.7±4.0 |
| LP 920-61 | 17:33:06.7 | -30:35:09 | 11.1 | 9.527 | 9.075 | 8.845 | 7.36 | 27.1±3.9 |
| LP 864-20 | 17:38:09.1 | -23:22:39 | 13.9 | 10.051 | 9.455 | 9.206 | 7.11 | 38.7±5.6 |
| LP 920-23 | 17:39:60.0 | -27:07:06 | 12.5 | 8.823 | 8.252 | 8.012 | 6.82 | 25.2±3.6 |
| LP 44-47 | 17:37:26.6 | 71:03:57 | 12.1 | 8.993 | 8.354 | 8.186 | 6.27 | 35.0±5.4 |
| G 154-16 | 17:46:23.3 | -18:07:08 | 13.6 | 9.979 | 9.321 | 9.020 | 7.22 | 35.6±5.2 |
| LP 921-20** | 17:47:50.7 | -30:39:09 | 13.5 | 9.460 | 8.818 | 8.629 | 7.97 | 19.9±3.1 |
| LP 809-17 | 18:01:27.4 | -20:35:00 | 15.1 | 11.008 | 10.409 | 10.225 | 7.02 | 62.7±9.6 |
| Grw+72:7790 | 18:06:18.1 | 72:49:16 | 11.4 | 8.458 | 7.836 | 7.654 | 5.77 | 34.5±5.3 |
| BD-25:13135 | 18:27:18.6 | -25:04:23 | 11.4 | 8.421 | 7.825 | 7.572 | 5.87 | 32.4±4.7 |
| LP 24-256* | 18:31:56.1 | 77:30:36 | 15.0 | 10.072 | 9.549 | 9.269 | 8.39 | 21.7±3.7 |
| G 184-25 | 18:46:10.5 | 17:13:26 | 14.6 | 10.301 | 9.716 | 9.574 | 7.89 | 30.4±4.8 |
| LP 335-35 | 18:52:58.9 | 30:58:10 | 12.4 | 9.047 | 8.395 | 8.300 | 5.52 | 50.8±7.8 |
| LP 452-6 | 19:08:02.6 | 16:27:37 | 11.2 | 7.864 | 7.246 | 7.136 | 5.56 | 28.9±4.2 |
| LP 812-199 | 19:29:21.0 | -14:50:19 | 14.8 | 10.961 | 10.253 | 10.092 | 5.84 | 105.7±15.3 |
| BD+40:3796* | 19:35:51.4 | 41:19:07 | 11.4 | 7.572 | 6.924 | 6.763 | 6.05 | 20.2±3.1 |
| L 1573-24 | 20:04:20.9 | 38:08:28 | 13.8 | 9.976 | 9.328 | 9.139 | 5.92 | 64.6±10.0 |
| G 210-11 | 20:16:32.2 | 35:10:42 | 12.7 | 8.889 | 8.271 | 8.116 | 6.81 | 26.1±4.1 |
| LP 514-18 | 20:17:01.3 | 17:15:45 | 13.5 | 9.290 | 8.870 | 8.806 | 5.44 | 58.9±8.5 |
| R 756 | 20:18:06.2 | 12:59:08 | 12.7 | 9.344 | 8.697 | 8.512 | 5.98 | 47.1±6.8 |
| LP 339-3 | 20:36:18.0 | 32:47:35 | 12.8 | 9.266 | 8.691 | 8.462 | 6.56 | 34.8±5.3 |
| W 882* | 20:49:39.6 | -0:21:03 | 12.2 | 9.107 | 8.445 | 8.201 | 7.53 | 20.6±3.7 |
| L 568-50 | 20:54:44.2 | -33:05:41 | 12.5 | 9.197 | 8.540 | 8.334 | 6.29 | 38.1±5.5 |
| LP 340-455 | 21:03:21.3 | 29:40:34 | 15.6 | 11.050 | 10.512 | 10.198 | 7.47 | 52.0±7.9 |
| LP 285-9 | 21:12:22.5 | 35:55:23 | 12.0 | 8.511 | 7.872 | 7.678 | 6.40 | 26.4±4.1 |
| LP 285-11 | 21:17:27.6 | 34:46:21 | 14.3 | 10.474 | 9.881 | 9.596 | 7.47 | 39.9±6.1 |
| LP 234-2214 | 21:18:57.4 | 44:01:53 | 13.4 | 9.110 | 8.417 | 8.246 | 5.90 | 43.9±6.8 |
| LP 286-7 | 21:21:32.1 | 34:25:45 | 11.6 | 7.759 | 7.278 | 7.197 | 5.50 | 28.3±4.3 |
| L51725 | 21:37:58.9 | 42:01:04 | 12.5 | 9.165 | 8.469 | 8.279 | 6.58 | 33.0±5.2 |
| G 93-67 | 22:02:31.3 | -0:17:11 | 13.8 | 10.002 | 9.426 | 9.085 | 8.06 | 24.5±4.3 |
| LP 875-68* | 22:14:38.4 | -21:41:53 | 11.2 | 7.556 | 6.886 | 6.718 | 5.98 | 20.7±3.0 |

Table 5—Continued

| name | $\alpha$ (2000) | $\delta$ | $m_r$ | J | H | $K_S$ | $M_J$ | d (pc.) |
|---|---|---|---|---|---|---|---|---|
| LP 520-66 | 22:25:13.3 | 12:58:15 | 14.2 | 10.468 | 9.852 | 9.614 | 6.88 | 52.2±8.2 |
| LP 109-57 | 22:58:15.1 | 61:44:26 | 14.2 | 10.277 | 9.747 | 9.476 | 7.81 | 31.2±4.8 |
| LP 702-2 | 23:10:35.4 | -5:51:19 | 13.4 | 9.824 | 9.231 | 8.931 | 6.34 | 49.8±7.8 |
| LP 346-8 | 23:21:13.1 | 30:23:09 | 14.7 | 10.646 | 10.116 | 9.829 | 8.40 | 28.1±4.7 |
| G 233-55 | 23:26:12.0 | 51:11:44 | 14.0 | 10.063 | 9.420 | 9.156 | 7.05 | 40.0±6.1 |
| BD+44:4419B** | 23:26:39.7 | 45:21:14 | 11.7 | 8.176 | 7.540 | 7.385 | 7.57 | 13.2±2.2 |
| G 273-144 | 23:49:02.3 | -8:24:31 | 13.0 | 9.515 | 8.874 | 8.691 | 7.01 | 31.7±5.0 |
| LP 763-45 | 23:38:49.3 | -12:23:42 | 15.1 | 11.120 | 10.546 | 10.303 | 8.25 | 37.5±6.3 |
| LP 464-36 | 23:57:27.9 | 13:56:43 | 14.9 | 10.920 | 10.357 | 10.070 | 7.39 | 50.8±7.8 |

Note. —
** identifies stars with formal distance estimates $d \leq 20$ parsecs
* identifies stars with formal distance estimates within $1\sigma$ of 20 parsecs
1 - stars with $JHK_S$ from the 2MASS All-Sky data release.

Table 6. Early-type M dwarfs from the revised NLTT: Hipparcos stars

| NLTT | Name | $N_{Hip}$ | $\alpha$ | $\delta$ | V | J | H | $K_S$ | $\pi_{Hip}$ | $M_J$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 157 | Gl 3 | 436 | 0:05:17.69 | -67:49:57.3 | 8.49 | 6.492 | 5.872 | 5.737 | 62.5±0.8 | 5.47 | |
| 1263 | Gl 18 | 1936 | 0:24:25.93 | -27:01:36.4 | 7.92 | 6.204 | 5.700 | 5.544 | 55.5±1.1 | 4.93 | |
| 2941 | Gl 42 | 4148 | 0:53:01.14 | -30:21:24.9 | 7.15 | 5.537 | 5.049 | 4.889 | 71.0±0.8 | 4.79 | Note 1 |
| 4527 | Gl 57 | 6351 | 1:21:34.59 | -41:39:23.1 | 10.15 | 7.340 | 6.754 | 6.553 | 59.3±1.6 | 6.20 | |
| 5563 | +14:251 | 7765 | 1:39:56.06 | 15:15:33.7 | 8.68 | 7.006 | 6.454 | 6.309 | 61.3±36.7 | 5.94 | not in CNS3, Note 2 |
| 7002 | LHS 1339 | 9786 | 2:05:48.55 | -30:10:35.9 | 12.15 | 8.389 | 7.863 | 7.558 | 105.6±3.0 | 8.51 | |
| 7535 | LHS 1377 | 10617 | 2:16:41.20 | -30:59:18.2 | 12.02 | 7.975 | 7.380 | 7.092 | 70.2±2.9 | 7.21 | cpm LHS 1376 |
| 8126 | Gl 100AB | 11565 | 2:29:01.69 | -19:58:45.0 | 8.78 | 6.586 | 5.983 | 5.817 | 52.9±2.0 | 5.5 | Note 3 |
| 10364 | Gl 131 | 15095 | 3:14:44.62 | -26:26:46.5 | 9.17 | 6.898 | 6.273 | 6.072 | 54.5±1.4 | 5.58 | |
| 10867 | Gl 141 | 15919 | 3:24:59.73 | -5:21:49.5 | 7.86 | 5.849 | 5.273 | 5.134 | 66.2±0.9 | 4.95 | |
| 10996 | Gl 142 | 16134 | 3:27:52.41 | -19:48:16.1 | 8.39 | 5.888 | 5.251 | 5.077 | 79.3±2.2 | 5.38 | Note 1 |
| 11720 | -19:733 | 17420 | 3:43:55.34 | -19:06:39.2 | 7.10 | 5.457 | 5.025 | 4.830 | 71.2±0.9 | 4.72 | not in CNS3, Note 1 |
| 12232 | Gl 156.2 | 18774 | 4:01:19.62 | 76:09:33.7 | 8.20 | 6.143 | 5.601 | 5.446 | 62.6±0.9 | 5.12 | |
| 12237 | Gl 157AB | 18512 | 3:57:28.70 | -1:09:34.0 | 8.2 | 6.075 | 5.476 | 5.356 | 63.4±2.0 | 5.25 | Ecl. Bin., Note 3 |
| 12572 | Gl 161 | 19422 | 4:09:35.04 | 69:32:29.0 | 7.70 | 5.989 | 5.539 | 5.458 | 54.2±0.8 | 4.67 | Note 1 |
| 13601 | Gl 171.2A | 21482 | 4:36:48.24 | 27:07:55.9 | 8.10 | 5.931 | 5.366 | 5.213 | 56.0±1.2 | 4.67 | Note 4 |
| 14202 | GJ 2037 | 22907 | 4:55:41.91 | -28:33:50.1 | 8.13 | 6.209 | 5.691 | 5.544 | 55.7±0.9 | 4.94 | |
| 14867 | Gl 200AB | 24819 | 5:19:12.66 | -3:04:25.8 | 7.70 | 5.758 | 5.210 | 5.012 | 59.3±1.7 | 4.79 | $\Delta = 2''.3$, Note 3 |
| 14980 | Gl 201 | 25220 | 5:23:38.38 | 17:19:26.8 | 7.93 | 5.892 | 5.357 | 5.219 | 69.8±1.5 | 5.11 | |
| 15084 | GJ 1079 | 25421 | 5:26:14.74 | -32:30:17.1 | 7.70 | 6.024 | 5.488 | 5.381 | 55.8±0.8 | 4.76 | |
| 15931 | Gl 225.2ABC | 28442 | 6:00:19.39 | -31:01:49.3 | 8.3 | 5.653 | 5.042 | 4.888 | 66.8±24.4 | 5.8 | Note 5 |
| 16850 | Gl 241 | 32010 | 6:41:15.71 | 23:57:27.8 | 8.08 | 6.176 | 5.690 | 5.543 | 57.1±1.4 | 4.96 | |
| 17064 | Gl 249 | 32919 | 6:51:32.39 | 47:22:04.1 | 8.95 | 6.650 | 6.031 | 5.885 | 53.1±1.2 | 5.28 | |
| 17311 | Gl 259 | 33817 | 7:01:13.74 | -25:56:55.4 | 6.71 | 5.989 | 5.457 | 4.616 | 68.4±0.7 | 5.16 | Note 1 |
| 17338 | GJ 1094 | 33955 | 7:02:42.92 | -6:47:57.2 | 8.38 | 6.459 | 5.852 | 5.744 | 53.5±1.1 | 5.10 | |
| 18257 | Gl 282A | 37349 | 7:39:59.33 | -3:35:51.0 | 7.18 | 5.493 | 5.063 | 4.893 | 70.4±0.9 | 4.73 | Notes 1, 6 |
| 18613 | Gl 292.1 | 38657 | 7:54:54.07 | 19:14:10.8 | 7.76 | 6.023 | 5.595 | 5.463 | 50.0±1.0 | 4.52 | |
| 18616 | Gl 292.2 | 38625 | 7:54:34.17 | -1:24:44.0 | 7.43 | 5.955 | 5.480 | 5.417 | 52.0±1.9 | 4.54 | |
| 18618 | -24:6144 | 38594 | 7:54:10.88 | -25:18:11.4 | 9.75 | 7.022 | 6.364 | 6.172 | 51.2±1.6 | 5.57 | not in CNS3 |
| 18727 | GJ 1106 | 38910 | 7:57:48.48 | -33:57:08.0 | 8.83 | 6.623 | 6.050 | 5.908 | 54.6±4.3 | 5.31 | |
| 18729 | Gl 293.2 | 38939 | 7:58:04.37 | -25:37:35.9 | 8.42 | 6.461 | 5.923 | 5.814 | 54.9±1.1 | 5.16 | |
| 19175 | Ross 620 | 40375 | 8:14:35.92 | 13:01:22.2 | 8.79 | 6.617 | 6.010 | 5.874 | 54.5±1.3 | 5.30 | |
| 20763 | GJ 1120A | 44295 | 9:01:17.48 | 15:15:56.8 | 9.47 | 6.687 | 6.027 | 5.914 | 54.6±3.2 | 5.37 | |
| 20764 | GJ 1120B | 44295 | 9:01:17.46 | 15:15:51.6 | 9.73 | 6.792 | 6.077 | 6.054 | 54.6±3.2 | 5.48 | |
| 21395 | Gl 340AB | 45617 | 9:17:53.46 | 28:33:37.8 | 7.20 | 5.382 | 4.893 | 4.755 | 57.0±1.1 | 4.7 | Note 3 |
| 22020 | Gl 355 | 46816 | 9:32:25.57 | -11:11:04.7 | 7.82 | 6.094 | 5.582 | 5.454 | 54.5±1.0 | 4.78 | |
| 22415 | Gl 365 | 47690 | 9:43:25.66 | 42:41:29.6 | 8.13 | 6.120 | 5.587 | 5.475 | 56.2±1.1 | 4.87 | |
| 24560 | Gl 397 | 51525 | 10:31:24.22 | 45:31:33.8 | 8.85 | 6.348 | 5.731 | 5.559 | 63.8±1.2 | 5.37 | |
| 26359 | -18:3106 | 54373 | 11:07:27.70 | -19:17:29.4 | 10.38 | 7.460 | 6.838 | 6.613 | 53.8±1.9 | 6.11 | not in CNS3 |
| 26534 | Gl 414A | 54646 | 11:11:05.17 | 30:26:45.7 | 8.31 | 5.768 | 5.139 | 4.985 | 83.8±1.1 | 5.39 | Note 6 |
| 26722 | Gl 420A | 54952 | 11:15:11.91 | 73:28:30.7 | 7.77 | 5.758 | 5.257 | 5.127 | 68.1±1.2 | 4.92 | Note 6 |
| 27132 | Gl 425A | 55454 | 11:21:26.67 | -20:27:13.6 | 8.88 | 6.109 | 5.448 | 5.307 | 76.0±1.7 | 5.51 | Note 6 |
| 28095 | +43:2135 | 56829 | 11:38:59.72 | 42:19:43.7 | 8.22 | 6.219 | 5.705 | 5.590 | 50.6±1.1 | 4.74 | |
| 31530 | Gl 481 | 61901 | 12:41:06.48 | 15:22:35.8 | 7.91 | 5.832 | 5.273 | 5.072 | 69.9±1.1 | 5.06 | |
| 31724 | Gl 483 | 62145 | 12:44:14.53 | 51:45:33.5 | 7.01 | 5.318 | 4.900 | 4.765 | 66.4±0.8 | 4.43 | Note 1 |
| 31940 | GJ 1164B | 62471 | 12:48:09.99 | -24:48:16.7 | 9.90 | 7.321 | 6.676 | 6.496 | 53.3±9.2 | 5.95 | |
| 31941 | GJ 1164A | 62472 | 12:48:10.71 | -24:48:23.8 | 8.90 | 6.767 | 6.184 | 6.038 | 50.3±3.2 | 5.28 | |
| 32661 | -26:9476 | 63618 | 13:02:20.69 | -26:47:13.6 | 8.35 | 6.055 | 5.427 | 5.252 | 56.9±1.1 | 4.83 | not in CNS3, Note 1 |
| 35101 | Gl 525 | 67090 | 13:45:05.08 | 17:47:07.6 | 9.79 | 6.989 | 6.395 | 6.205 | 76.7±1.5 | 6.41 | |

Table 6—Continued

| NLTT | Name | $N_{Hip}$ | $\alpha$ | $\delta$ | V | J | H | $K_S$ | $\pi_{Hip}$ | $M_J$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 35368 | Gl 529 | 67487 | 13:49:44.81 | -22:06:39.9 | 8.16 | 5.901 | 5.323 | 5.157 | 70.5±1.0 | 5.14 | Note 1 |
| 35516 | Gl 532 | 67691 | 13:52:00.00 | 49:57:03.3 | 8.82 | 6.284 | 5.650 | 5.502 | 71.4±0.9 | 5.55 | |
| 35637 | GJ 1181AB | 67960 | 13:55:02.58 | -29:05:25.8 | 9.78 | 6.470 | 5.814 | 5.645 | 59.6±2.7 | 5.35/8.4 | $\Delta = 1''.2$, Note 3 |
| 36656 | HD 124642 | 69526 | 14:13:57.08 | 30:13:01.9 | 8.03 | 6.065 | 5.555 | 5.432 | 57.8±1.0 | 4.87 | |
| 37102 | Gl 546 | 70218 | 14:21:57.22 | 29:37:46.6 | 8.56 | 6.170 | 5.551 | 5.427 | 69.4±1.1 | 5.38 | |
| 38569 | Gl 565 | 72688 | 14:51:40.47 | -24:18:14.9 | 7.81 | 6.021 | 5.499 | 5.387 | 59.0±1.0 | 4.87 | |
| 42064 | Gl 613 | 79190 | 16:09:42.79 | -56:26:42.5 | 7.11 | 5.546 | 5.102 | 4.985 | 69.7±0.9 | 4.76 | Note 1 |
| 42900 | Gl 627AB | 80725 | 16:28:52.77 | 18:24:49.5 | 7.91 | 5.435 | 4.965 | 4.852 | 51.2±1.5 | 4.75 | $\Delta = 2''.3$, Note3 |
| 44573 | HD 156985 | 84616 | 17:17:50.43 | 52:26:49.6 | 7.93 | 6.139 | 5.650 | 5.575 | 54.0±0.7 | 4.80 | not in CNS3 |
| 44851 | HD 158233 | 85561 | 17:29:06.56 | -23:50:10.0 | 9.61 | 7.143 | 6.562 | 6.366 | 55.0±1.7 | 5.85 | |
| 46840 | Gl 724 | 91608 | 18:40:57.31 | -13:22:46.6 | 10.63 | 7.402 | 6.742 | 6.547 | 61.6±2.1 | 6.35 | |
| 47042 | Gl 728 | 92311 | 18:48:51.87 | 17:26:20.2 | 9.17 | 6.708 | 6.072 | 5.907 | 58.6±1.6 | 5.55 | |
| 51046 | Gl 826.1 | 105341 | 21:20:13.82 | -19:51:08.2 | 9.09 | 6.528 | 5.920 | 5.717 | 61.0±1.3 | 5.46 | |
| 54384 | G 189-30 | 111685 | 22:37:29.90 | 39:22:51.6 | 9.41 | 6.628 | 6.043 | 5.861 | 52.9±1.9 | 5.25 | |
| 54520 | Gl 868 | 111960 | 22:40:43.39 | -29:40:28.1 | 7.83 | 5.797 | 5.261 | 5.042 | 73.8±1.1 | 5.14 | Note 1 |
| 55021 | GJ 1274 | 112800 | 22:50:37.71 | 34:51:21.7 | 11.72 | 8.338 | 7.714 | 7.521 | 52.8±3.0 | 6.95 | |
| 55105 | LHS 5394 | 112978 | 22:52:48.08 | -28:47:42.7 | 11.82 | 8.427 | 7.820 | 7.573 | 51.4±2.9 | 6.98 | not in CNS3 |
| 55615 | Gl 886 | 113718 | 23:01:51.55 | -3:50:55.5 | 7.48 | 5.863 | 5.382 | 5.222 | 59.0±3.4 | 4.72 | |
| 56010 | Gl 891 | 114411 | 23:10:15.75 | -25:55:52.7 | 11.27 | 7.883 | 7.249 | 7.014 | 63.7±3.2 | 6.90 | |
| 56681 | Gl 894.5 | 115445 | 23:23:04.90 | -10:45:51.3 | 7.80 | 6.191 | 5.737 | 5.603 | 51.4±1.2 | 4.74 | |
| 57183 | Gl 898 | 116215 | 23:32:49.40 | -16:50:44.3 | 8.59 | 6.225 | 5.599 | 5.453 | 71.7±1.4 | 5.50 | |
| 58834 | GJ 1294AB | 169 | 0:02:08.72 | -68:16:50.6 | 9.66 | 6.801 | 6.105 | 5.893 | 63.0±2.0 | 6.3 | $\Delta = 1''.5$ |

Note. — V magnitudes from the rNLTT

1. J, H from final 2MASS data release.
2. BD+14:251: Optical companion affects Hipparcos astrometry; (V-K) colours give a photometric parallax of (m-M)$\sim$2.2 mag.
3. Unresolved in 2MASS scans - $M_J$ values estimated based on $M_V$ from CNS3 and average main-sequence colours.

Gl 100B - V=11.5, $M_J = 6.7$; Gl 157B - V=11.8, $M_J = 7.2$; Gl 200B - V=11.7, $M_J = 6.7$; Gl 225.3B - V=8.3, $M_J = 5.8$, Gl 225.3C - V=9.3, $M_J = 6.5$; Gl 340B - V=8.1, $M_J = 4.9$; GJ 1181B - V=14.1, $M_J$=8.4; Gl 627B - V=7.85, $M_J$=4.9; GJ 1294B - V=10.6, $M_J$=6.8

4. Gl 171.2A: Gl 171.2B is a DC8 white dwarf, $M_V = 15.8$, $\delta \sim 150$ arcseconds
5. Gl 225.2ABC: all three components merged on 2MASS - deconvolution assumes average main-sequence colours. van Altena (1983) measure $\pi = 0.058 \pm 0.0128$, but the derived (V-$K_S$) colours suggest a distance of $\sim$ 30 parsecs.
6. Binary companion included in NLTT sample.

Table 7. Early-type M dwarfs from the rNLTT with no Hipparcos data

| NLTT | Name | $\alpha$ | $\delta$ | $V_{rNLTT}$ | J | H | $K_S$ | $\pi$ (mas) | $M_J$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|
| 629 | DV Psc | 0:13:09.20 | 5:35:43.0 | 10.72 | 8.040 | 7.425 | 7.262 | 71±40 | 7.25/7.25 | Note 1 |
| 7251 | +45:565 | 2:11:43.26 | 45:45:38.3 | 9.83 | 7.892 | 7.433 | 7.283 | 24±5 | 4.8 | Note 2 |
| 13091 | HD 27678 | 4:21:15.86 | -20:11:26.1 | 8.63 | 6.845 | 6.417 | 6.287 | 35±7 | 4.6 | Note 2 |
| 17178 | HD 50841 | 6:56:16.50 | 32:26:40.1 | 8.64 | 6.816 | 6.382 | 6.266 | 33±10 | 4.4 | Note 3 |
| 18883 | G 111-51 | 8:05:01.85 | 48:14:19.6 | 9.31 | 7.243 | 6.729 | 6.633 | 34 ± 7 | 4.9 | Note 2 |
| 20631 | HD 76772 | 8:57:36.35 | -19:08:02.2 | 8.44 | 7.133 | 6.784 | 6.691 | 23±5 | 3.9 | Note 2 |
| 25155 | HD 305544 | 10:42:47.27 | -60:02:38.9 | 9.18/9.6 | 7.372 | 6.987 | 6.939 | 16±4 | 4.1/4.4 | Notes 2, 4 |
| 25925 | HD 95174A | 10:59:38.31 | 25:26:15.5 | 8.57 | 6.444 | 5.972 | 5.842 | 52±9 | 5.0 | Note 2 |
| 25926 | HD 95174B | 10:59:38.68 | 25:26:13.7 | 9.22 | 6.643 | 6.119 | 5.979 | 52±9 | 5.2 | Note 2 |
| 29831 | 734- 35 | 12:10:33.61 | -11:26:60.0 | 11.49 | 8.469 | 7.835 | 7.665 | 33±6 | 6.1 | Note 2 |
| 33231 | 737- 81 | 13:12:22.35 | -10:07:06.6 | 10.83 | 8.019 | 7.424 | 7.286 | 36±7 | 5.8 | Note 2 |
| 38244 | HD 129715 | 14:44:35.52 | -22:15:11.3 | 9.41 | 7.230 | 6.758 | 6.584 | 38±7 | 5.2 | Note 2 |
| 45991 | G 204-45 | 18:07:44.45 | 39:04:26.9 | 9.07 | 6.795 | 6.249 | 6.077 | 52±9 | 5.4 | Note 2 |

Note. — 1. DV Psc: equal-magnitude eclipsing binary system (Lu *et al.*, 2001).
2. Distance estimated using ($M_V$, (V-$K_S$)) relation from Paper I.
3. HD 50841: parallax from Yale parallax catalogue.
4. HD 305544: Yale parallax catalogue lists $\pi = 10 \pm 12$ mas.

Table 8. Additional stars in the 2M2nd 20-parsec sample

| Name | 2MASS ID | V | J | H | K | Sp. Type | (m-M) | Comments |
|---|---|---|---|---|---|---|---|---|
| | PMSU non-NLTT | | | | | | | |
| GR4 | 2M0015367-294600 | 14.32 | 9.78±0.03 | 9.25±0.02 | 8.91±0.03 | M3.5 | 1.44±0.40 | |
| GJ 1009 | 2M0021560-312421 | 11.16 | 7.68±0.01 | 7.05±0.03 | 6.77±0.01 | M1.5 | 1.30±0.09 | |
| GJ 1033 | 2M0113239-225407 | 14.16 | 9.91±0.02 | 9.30±0.02 | 9.04±0.03 | M4.0 | 1.44±0.15 | |
| Hy207 | 2M0330311+200555 | 10.79 | 8.05±0.02 | 7.40±0.01 | 7.43±0.03 | K7.0 | 1.36±0.27 | |
| Steph 430 | 2M0354256-090931 | 11.23 | 7.84±0.02 | 7.18±0.03 | 6.98±0.02 | M1.0 | 1.37±0.40 | |
| Steph 497 | 2M0437374-022928 | 10.59 | 7.30±0.01 | 6.64±0.05 | 6.39±0.01 | M0.5 | 1.09±0.40 | |
| Steph 546A | 2M0506494-213503 | 10.28 | 7.03±0.01 | 6.41±0.01 | 6.11±0.02 | M1.5 | 0.36±0.40 | |
| Steph 545B | 2M0506499-213509 | 11.67 | 7.50±0.05 | 6.85±0.05 | 6.55±0.05 | M3.5 | -0.04±0.40 | |
| Steph 545C | 2M0506499-213509 | 12.67 | 8.27±0.08 | 7.61±0.08 | 7.31±0.08 | M4.0 | -0.04±0.48 | |
| Steph 681 | 2M0805585+261652 | 10.20 | 7.27±0.01 | 6.68±0.02 | 6.48±0.01 | K7.0 | 1.37±0.40 | |
| Steph 762 | 2M0918215+271841 | 9.64 | 6.99±0.01 | 6.40±0.01 | 6.22±0.01 | K5.0 | 1.51±0.32 | |
| Steph 928 | 2M1112389+185605 | 10.76 | 7.47±0.00 | 6.86±0.02 | 6.61±0.02 | M1.5 | 0.79±0.40 | |
| Gl 499 A | 2M1306153+204343 | 9.44 | 6.89±0.01 | 6.27±0.01 | 6.05±0.01 | K5.0 | 1.35±0.09 | |
| Gl 499 B | 2M1306153+204343 | 14.90 | 10.25±0.10 | 9.75±0.10 | 9.55±0.10 | M4.0 | 1.35±0.09 | |
| Gl 508 A | 2M1319456+474640 | 9.09 | 5.68±0.10 | 5.09±0.10 | 4.88±0.01 | M0.5 | 0.09±0.04 | |
| LHS2848 | 2M1402288-210036 | 13.19 | 9.11±0.03 | 8.54±0.04 | 8.24±0.03 | M3.5 | 1.30±0.40 | |
| Vys 150 | 2M1402196+134122 | 10.65 | 7.54±0.02 | 6.86±0.01 | 6.68±0.01 | M0.5 | 1.45±0.09 | |
| Gl 541.2 | 2M1417243+452640 | 10.25 | 7.37±0.01 | 6.81±0.01 | 6.59±0.01 | K7.0 | 1.35±0.04 | |
| Steph 1145 | 2M1420047+390301 | 12.31 | 8.56±0.02 | 7.93±0.01 | 7.70±0.01 | M2.5 | 1.45±0.40 | |
| Wo 9520 | 2M1521529+205839 | 10.11 | 6.71±0.01 | 5.96±0.01 | 5.78±0.01 | M1.5 | 0.28±0.04 | |
| Vys 759 | 2M1609031+525637 | 10.19 | 7.17±0.01 | 6.55±0.01 | 6.34±0.01 | M0.0 | 1.16±0.02 | |
| Gl 619 | 2M1620527+405740 | 9.26 | 6.51±0.02 | 5.89±0.02 | 5.82±0.10 | K5.0 | 1.01±0.02 | |
| Steph 1453 | 2M1715501+190000 | 10.36 | 7.21±0.02 | 6.64±0.01 | 6.45±0.01 | M0.5 | 1.06±0.40 | |
| Steph 1680 | 2M1909191+391203 | 11.32 | 7.95±0.01 | 7.40±0.02 | 7.16±0.02 | M1.0 | 1.48±0.40 | |
| Steph 2018 | 2M2233226-093653 | 12.41 | 8.54±0.02 | 7.95±0.02 | 7.65±0.02 | M3.0 | 1.10±0.40 | |
| Gl 875 | 2M2250194-070524 | 9.85 | 6.94±0.02 | 6.31±0.03 | 6.08±0.01 | K7.0 | 0.73±0.04 | |
| Steph 2065 | 2M2255598+174839 | 10.49 | 7.28±0.02 | 6.68±0.01 | 6.46±0.02 | M1.0 | 0.82±0.40 | |
| | ‘blue’ NLTT | | | | | | | |
| LHS1140 | 2M0044593-151616 | 14.19 | 9.64±0.02 | 9.10±0.03 | 8.82±0.03 | M4.5 | 0.73±0.48 | |
| Gl 59 B | 2M0133000-241458 | 12.77 | 10.06±0.03 | 9.47±0.03 | 9.35±0.03 | K7.0 | 1.32±0.19 | |
| Gl 73 | 2M0144585+162039 | 14.11 | 9.60±0.03 | 9.01±0.03 | 8.74±0.03 | M4.0 | 1.13±0.13 | |
| LHS1332 | 2M0204275-015256 | 13.90 | 9.59±0.02 | 9.09±0.02 | 8.81±0.03 | M4.0 | 1.28±0.48 | |
| LHS1373 | 2M0215488-124027 | 13.00 | 9.06±0.02 | 8.46±0.05 | 8.18±0.03 | M3.5 | 1.10±0.48 | |
| GJ 1054 B | 2M0307534-281410 | 11.69 | 9.35±0.02 | 8.78±0.03 | 8.52±0.02 | M2.5 | -1.41±0.20 | |
| GJ 1062 | 2M0338155-112910 | 13.01 | 9.65±0.03 | 9.10±0.03 | 8.84±0.03 | M1.0 | 1.18±0.09 | |
| GJ 2043 B | 2M0529261+153445 | 14.67 | 10.23±0.02 | 9.64±0.03 | 9.40±0.03 | M4.0 | 1.20±0.06 | |
| LHS1813 | 2M0603295+474815 | 13.94 | 9.68±0.02 | 9.17±0.03 | 8.93±0.03 | M4.0 | 1.38±0.48 | |
| Gl 289 | 2M0748161+202207 | 11.47 | 8.10±0.02 | 7.61±0.02 | 7.39±0.02 | M1.0 | 0.97±0.06 | |
| LP313-38B | 2M0918499+264530 | 16.00 | 11.37±0.03 | 11.07±0.03 | 11.01±0.03 | M5.0 | 1.45±0.30 | |
| LP211-12 | 2M0930016+393723 | 12.12 | 8.49±0.01 | 7.90±0.01 | 7.66±0.02 | M2.5 | 1.39±0.40 | |
| Gl 359 | 2M0941019+220129 | 14.24 | 9.63±0.03 | 9.08±0.03 | 8.81±0.03 | M4.5 | 0.47±0.13 | |
| LHS2186 | 2M0946092-042543 | 14.15 | 9.68±0.03 | 9.10±0.02 | 8.78±0.03 | M4.0 | 1.29±0.48 | |
| LHS2328 | 2M1055345-092126 | 13.54 | 9.44±0.03 | 8.87±0.02 | 8.62±0.03 | M3.5 | 1.47±0.48 | |
| LHS2427 | 2M1134380-235214 | 11.18 | 8.10±0.02 | 7.48±0.04 | 7.25±0.03 | M0.0 | 1.25±0.06 | |
| G121-028 | 2M1152579+242845 | 14.60 | 9.94±0.03 | 9.32±0.02 | 9.03±0.02 | M4.5 | 1.02±0.48 | |
| LHS 2658 | 2M1259547-052720 | 14.25 | 9.79±0.02 | 9.24±0.02 | 8.92±0.02 | M4.5 | 0.37±0.23 | |
| LHS2925 | 2M1429595+293403 | 14.66 | 10.07±0.03 | 9.51±0.02 | 9.23±0.03 | M4.0 | 1.51±0.32 | |
| LHS3075 | 2M1529439+425249 | 14.16 | 9.64±0.03 | 9.05±0.03 | 8.69±0.04 | M4.5 | 1.38±0.17 | |

Table 8—Continued

| Name | 2MASS ID | V | J | H | K | Sp. Type | (m-M) | Comments |
|---|---|---|---|---|---|---|---|---|
| LP176-55 | 2M1533393+461502 | 13.58 | 9.41±0.03 | 8.80±0.05 | 8.62±0.04 | M3.5 | 1.38±0.48 | |
| Gl 589 B | 2M1535203+174304 | 14.99 | 10.29±0.03 | 9.85±0.03 | 9.54±0.03 | M4.5 | 0.85±0.06 | |
| GJ 1194 B | 2M1540037+432935 | 13.80 | 8.90±0.02 | 9.27±0.01 | 8.25±0.04 | M3.5 | 0.85±0.13 | |
| LP329-19B | 2M1601445+302740 | 15.17 | 10.42±0.03 | 9.85±0.03 | 9.55±0.03 | M4.5 | 1.08±0.48 | |
| Gl 611 B | 2M1604509+390935 | 14.22 | 9.91±0.03 | 9.45±0.03 | 9.22±0.03 | M4.0 | 0.79±0.02 | |
| LHS3197 | 2M1626481-172333 | 14.31 | 9.58±0.03 | 9.02±0.03 | 8.71±0.03 | M4.5 | 0.94±0.48 | |
| GJ 1203 | 2M1632452+123645 | 12.18 | 8.45±0.01 | 7.90±0.02 | 7.68±0.02 | M3.0 | 1.34±0.15 | |
| LHS3218 | 2M1635246-271853 | 14.20 | 9.75±0.03 | 9.27±0.03 | 9.01±0.03 | M4.0 | 1.24±0.48 | |
| G183-010 | 2M1753006+165503 | 12.68 | 8.79±0.03 | 8.18±0.02 | 7.97±0.02 | M3.0 | 1.26±0.40 | |
| G206-037 | 2M1839599+332453 | 13.13 | 9.13±0.03 | 8.51±0.02 | 8.22±0.03 | M3.5 | 1.44±0.40 | |
| Gl 781 | 2M2005022+542603 | 11.99 | 8.84±0.01 | 8.32±0.01 | 8.12±0.02 | M0.0 | 1.24±0.06 | |
| G026-028 | 2M2145249-055405 | 13.54 | 9.60±0.02 | 9.03±0.03 | 8.79±0.03 | M3.5 | 1.37±0.48 | |
| LTT8914 | 2M2213288-144453 | 13.34 | 9.47±0.02 | 8.83±0.06 | 8.53±0.03 | M3.5 | 1.44±0.48 | |
| G127-050 | 2M2243231+220817 | 15.00 | 10.18±0.03 | 9.51±0.03 | 9.23±0.03 | M4.5 | 1.36±0.48 | |
| LHS3909 | 2M2312113-140610 | 13.00 | 9.09±0.01 | 8.48±0.03 | 8.21±0.03 | M3.0 | 1.49±0.40 | |
| G273-186A | 2M2357206-125848 | 12.93 | 8.64±0.02 | 8.07±0.02 | 7.81±0.02 | M4.0 | 0.61±0.48 | |
| G273-185B | 2M2357193-125840 | 12.98 | 9.16±0.03 | 8.52±0.03 | 8.28±0.03 | M4.0 | 0.88±0.48 | |
| | PMSU bright | | | | | | | Note 1 |
| Gl 59 A | 2M0133158-241040 | 6.21 | 5.69±0.03 | 5.27±0.03 | 5.16±0.00 | K0.0 | -0.76±0.19 | |
| Gl 166 A | 2M0415165-073907 | 4.41 | 3.01±0.24 | 2.59±0.20 | 2.50±0.20 | K1.0 | -1.49±0.01 | |
| Gl 205 | 2M0531270-034054 | 7.97 | 4.74±0.10 | 4.06±0.10 | 3.87±0.10 | M1.5 | -1.22±0.01 | |
| Gl 229 A | 2M0610346-215157 | 8.17 | 4.99±0.10 | 4.36±0.10 | 4.16±0.10 | M0.5 | -1.18±0.01 | |
| Gl 268 A | 2M0710024+383201 | 11.85 | 8.06±0.10 | 7.36±0.10 | 7.08±0.10 | M4.5 | -1.15±0.02 | |
| Gl 273 | 2M0729018+315938 | 7.73 | 6.04±0.01 | 5.66±0.04 | 5.50±0.01 | M3.5 | 1.22±0.03 | |
| Gl 278 A | 2M0734359+315318 | 1.58 | 1.40±0.10 | 1.40±0.10 | 1.40±0.10 | A1.0 | 0.63±0.06 | Castor |
| Gl 278 B | 2M0734359+315318 | 1.58 | 1.40±0.10 | 1.40±0.10 | 1.40±0.10 | A1.0 | 0.63±0.06 | Pollux |
| Gl 323 A | 2M0850423+075151 | 9.77 | 7.14±0.04 | 6.51±0.04 | 6.33±0.04 | K5.0 | 1.15±0.40 | |
| Gl 324 A | 2M0852358+281950 | 5.95 | 4.77±0.24 | 4.26±0.24 | 4.01±0.03 | G8.0 | 0.49±0.02 | |
| Gl 325 A | 2M0855281+704745 | 8.70 | 6.18±0.10 | 5.47±0.10 | 5.30±0.10 | K5.0 | 0.27±0.06 | |
| Gl 325 B | 2M0855281+704745 | 8.70 | 6.18±0.10 | 5.47±0.10 | 5.30±0.10 | K5.0 | 0.27±0.06 | |
| Gl 326 A | 2M0854052-130730 | 12.52 | 8.85±0.04 | 8.27±0.04 | 8.00±0.04 | M2.5 | 1.02±0.25 | |
| Gl 326 B | 2M0854052-130730 | 12.72 | 8.90±0.04 | 8.32±0.04 | 8.05±0.04 | M2.5 | 1.02±0.25 | |
| Gl 338 A | 2M0914258+524116 | 7.63 | 4.90±0.10 | 4.29±0.10 | 4.08±0.10 | K7.0 | -1.04±0.02 | |
| Gl 354.1 A | 2M0932438+265919 | 7.01 | 5.58±0.01 | 5.24±0.02 | 5.12±0.01 | K0.0 | 1.25±0.03 | |
| Gl 400 A | 2M1045214+383042 | 9.30 | 6.57±0.02 | 5.95±0.02 | 5.75±0.02 | K7.0 | 0.75±0.06 | |
| Gl 410 | 2M1102383+215801 | 9.60 | 6.53±0.01 | 5.89±0.01 | 5.70±0.02 | M0.0 | 0.34±0.02 | |
| Gl 411 | 2M1103205+355845 | 7.46 | 4.09±0.10 | 3.55±0.10 | 3.35±0.10 | M2.0 | -3.01±0.01 | |
| Gl 421 A | 2M1115207-180836 | 9.96 | 7.41±0.02 | 6.76±0.02 | 6.61±0.03 | K5.0 | 1.10±0.15 | |
| Gl 570 A | 2M1457279-212453 | 5.75 | 3.82±0.05 | 3.27±0.05 | 3.15±0.05 | K5.0 | -1.15±0.02 | |
| Gl 570 B | 2M1457275-212508 | 8.00 | 5.03±0.10 | 4.44±0.10 | 5.25±0.10 | M1.0 | -1.15±0.02 | |
| Gl 570 C | 2M1457275-212508 | 8.00 | 6.33±0.10 | 5.63±0.10 | 6.37±0.10 | M1.0 | -1.15±0.02 | |
| Gl 611 A | 2M1604569+390923 | 6.66 | 5.18±0.01 | 4.82±0.01 | 4.76±0.01 | G8.0 | 0.79±0.02 | |
| Gl 667 A | 2M1718569-345924 | 6.29 | 4.44±0.05 | 3.77±0.05 | 3.66±0.05 | K3.0 | 0.73±0.09 | |
| Gl 667 B | 2M1718569-345924 | 7.24 | 4.90±0.05 | 4.23±0.05 | 4.13±0.05 | K5.0 | 0.73±0.09 | |
| Gl 777 A | 2M2003373+295349 | 5.71 | 4.55±0.23 | 4.24±0.25 | 4.08±0.02 | G6.0 | 1.01±0.02 | |
| Gl 803 | 2M2045093-312030 | 8.80 | 5.44±0.10 | 4.83±0.10 | 4.53±0.10 | M0.0 | -0.02±0.02 | |
| Gl 867 A | 2M2238453-203717 | 9.10 | 5.67±0.10 | 5.11±0.10 | 4.80±0.10 | M1.5 | -0.33±0.02 | |
| Gl 872 A | 2M2246416+121023 | 4.19 | 3.36±0.25 | 3.08±0.21 | 2.96±0.29 | F7.0 | 1.05±0.01 | |
| Gl 880 | 2M2256349+163312 | 8.68 | 5.36±0.02 | 4.80±0.10 | 4.52±0.10 | M1.5 | -0.81±0.01 | |

Table 8—Continued

| Name | 2MASS ID | V | J | H | K | Sp. Type | (m-M) | Comments |
|---|---|---|---|---|---|---|---|---|
| Gl 884 | 2M2300165-223127 | 7.88 | 5.35±0.10 | 4.70±0.10 | 4.48±0.10 | K5.0 | -0.46±0.01 | |
| Gl 887 | 2M2305513-355113 | 7.35 | 4.34±0.26 | 3.61±0.23 | 3.46±0.20 | M2.0 | -2.41±0.00 | |
| Gl 913 | 2M2358434+464345 | 9.57 | 6.66±0.02 | 6.02±0.02 | 5.83±0.01 | M0.5 | 1.20±0.10 | |
| | Unresolved binaries | | | | | | | Note 2 |
| GJ 1005B | 2M0015278-160800 | 15.96 | 8.94±0.10 | 8.44±0.10 | 8.14±0.10 | M5.0 | 1.58±0.06 | Note 3 |
| Gl 15 A | 2M0018189+440115 | 8.10 | 4.85±0.10 | 4.25±0.10 | 4.06±0.10 | M1.0 | -2.22±0.02 | |
| LTT 10301B | 2M0050332+244900 | 13.00 | 8.75±0.10 | 8.15±0.10 | 7.95±0.10 | M3.5 | -0.33±0.17 | |
| Gl 65 B | 2M0139012-175702 | 12.67 | 6.30±0.01 | 5.68±0.03 | 5.36±0.01 | M5.5 | -2.93±0.06 | |
| LP 771-95C | 2M0301511-163530 | 14.00 | 8.80±0.10 | 8.30±0.10 | 8.00±0.10 | M4.0 | 0.05±0.27 | Note 4 |
| Gl 140 B | 2M0324065+234706 | 12.00 | 8.22±0.08 | 7.61±0.08 | 7.37±0.08 | M3.0 | -1.40±0.21 | Note 5 |
| GJ 1060 B | 2M0328483-271905 | 13.80 | 9.57±0.03 | 9.00±0.03 | 8.76±0.03 | M3.5 | 1.36±0.32 | |
| Gl 185 B | 2M0502284-211523 | 10.88 | 6.87±0.08 | 6.27±0.08 | 6.04±0.08 | M2.0 | 0.35±0.02 | Note 6 |
| GJ 1083 B | 2M0540257+244808 | 15.53 | 9.80±0.05 | 9.02±0.05 | 8.76±0.05 | M5.5 | 0.08±0.05 | Note 7 |
| Gl 234 B | 2M0629233-024850 | 14.23 | 8.38±0.25 | 7.63±0.10 | 7.33±0.10 | M5.5 | -1.93±0.01 | Note 8 |
| GJ 3406 B | 2M0643397+510820 | 14.90 | 10.18±0.08 | 9.60±0.08 | 9.34±0.08 | M5.0 | -1.20±0.11 | |
| Gl 268 B | 2M0710024+383201 | 12.85 | 8.46±0.10 | 7.76±0.10 | 7.48±0.10 | M4.5 | -1.15±0.02 | Note 9 |
| Gl 268.3 B | 2M0716197+270833 | 11.58 | 7.77±0.08 | 7.19±0.08 | 6.94±0.08 | M2.5 | -0.45±0.06 | Note 10 |
| Gl 278 D | 2M0734374+315210 | 9.82 | 6.82±0.05 | 6.17±0.05 | 5.98±0.05 | M0.0 | 0.63±0.06 | Note 11 |
| Gl 283 B | 2M0740192-172444 | 16.42 | 10.16±0.03 | 9.67±0.02 | 9.30±0.03 | M6.0 | -0.25±0.09 | |
| GJ 1103 B | 2M0752547-000015 | 14.70 | 9.78±0.08 | 9.28±0.08 | 8.92±0.08 | M5.0 | -0.30±0.05 | |
| LHS 1955 B | 2M0754547-292056 | 13.85 | 9.07±0.08 | 8.48±0.08 | 8.14±0.08 | M4.0 | 0.20±0.25 | Note 12 |
| Gl 301 B | 2M0813085-135500 | 10.38 | 7.50±0.08 | 7.02±0.08 | 6.79±0.08 | M1.0 | 1.21±0.17 | |
| Gl 308 B | 2M0828220+350059 | 11.56 | 8.45±0.08 | 7.85±0.08 | 7.64±0.08 | M0.0 | 1.47±0.19 | |
| GJ 2069Ab | 2M0831375+192339 | 12.65 | 8.28±0.08 | 7.66±0.08 | 7.38±0.08 | M0.0 | 0.40±0.15 | Note 13 |
| GJ 2069 C | 2M0831374+192349 | 14.83 | 9.20±0.08 | 8.62±0.08 | 8.29±0.08 | M0.0 | 0.40±0.15 | Note 14 |
| Gl 323 B | 2M0850423+075151 | 9.90 | 7.14±0.04 | 6.51±0.04 | 6.33±0.04 | K5.0 | 1.15±0.40 | |
| GJ 1116 B | 2M0858151+194547 | 14.93 | 7.78±0.01 | 7.23±0.02 | 6.87±0.02 | M5.5 | -1.38±0.02 | |
| Gl 338 B | 2M0914258+524116 | 7.72 | 4.91±0.10 | 4.29±0.10 | 4.10±0.10 | K7.0 | -1.04±0.02 | |
| Gl 381 B | 2M1012046-024104 | 11.65 | 8.36±0.08 | 7.80±0.08 | 7.52±0.08 | M2.5 | 0.45±0.06 | Note 14 |
| Gl 400 B | 2M1045214+383042 | 12.20 | 8.27±0.08 | 7.65±0.02 | 7.45±0.02 | M3.0 | 0.75±0.06 | |
| Gl 508 B | 2M1319456+474640 | 10.15 | 6.76±0.05 | 6.07±0.05 | 5.80±0.05 | M1.0 | 0.09±0.04 | Note 15 |
| LHS 2887 B | 2M1417029+314247 | 13.86 | 9.10±0.08 | 8.64±0.08 | 8.35±0.08 | M4.0 | 0.48±0.21 | Note 14 |
| Gl 630.1 Ab | 2M1634203+570944 | 13.66 | 9.25±0.05 | 8.79±0.05 | 8.52±0.05 | M4.5 | 0.80±0.08 | Note 16 |
| Gl 747 B | 2M1907427+323239 | 12.56 | 7.94±0.05 | 7.35±0.05 | 7.10±0.05 | M4.0 | 0.40±0.02 | Note 14 |
| Gl 767 B | 2M1946241+320058 | 11.10 | 7.32±0.03 | 6.61±0.05 | 6.48±0.03 | M2.0 | 0.64±0.04 | |
| GJ 1245 C | 2M1953544+442454 | 17.50 | 9.38±0.05 | 8.62±0.05 | 8.24±0.05 | M7.0 | -1.60±0.02 | |
| Gl 815 B | 2M2100053+400413 | 12.20 | 8.15±0.05 | 7.56±0.05 | 7.34±0.05 | M3.0 | 0.90±0.04 | |
| Gl 829 B | 2M2129367+173835 | 11.06 | 7.03±0.05 | 6.48±0.05 | 6.20±0.05 | M3.5 | -0.86±0.02 | Note 14 |
| Gl 856 B | 2M2223290+322733 | 11.40 | 7.65±0.05 | 7.05±0.05 | 6.80±0.05 | M3.0 | 0.60±0.30 | |
| Gl 866 B | 2M2238334-151802 | 13.24 | 7.60±0.05 | 7.00±0.05 | 6.60±0.05 | M6.0 | -2.14±0.01 | Note 17 |
| Gl 866 C | 2M2238334-151802 | 15.00 | 8.19±0.05 | 7.59±0.05 | 7.19±0.05 | M6.5 | -2.34±0.01 | Note 17 |
| Gl 867 B | 2M2238453-203717 | 11.43 | 7.34±0.10 | 6.82±0.10 | 6.49±0.10 | M3.5 | -0.33±0.02 | |
| Gl 897 B | 2M2332465-164508 | 11.45 | 7.50±0.05 | 6.87±0.05 | 6.63±0.05 | M2.0 | 0.07±0.04 | |
| | unmatched NLTT | | | | | | | |
| Gl 94 | 2M0219031+352119 | 12.55 | 8.66±0.02 | 8.14±0.03 | 7.90±0.02 | M3.5 | 1.07±0.28 | |
| GJ 1059 | 2M0323017+420027 | 15.34 | 10.39±0.02 | 9.86±0.03 | 9.60±0.02 | M5.0 | 0.91±0.11 | |
| G 169-029 | 2M1650579+222706 | 14.07 | 9.14±0.01 | 8.57±0.02 | 8.31±0.02 | M4.5 | 0.45±0.48 | |
| LP390-16 | 2M1813066+260152 | 13.32 | 8.90±0.01 | 8.31±0.03 | 8.06±0.02 | M4.0 | 1.09±0.48 | |
| LP229-17 | 2M1834366+400726 | 11.43 | 7.20±0.01 | 6.53±0.01 | 7.08±0.01 | M3.5 | -0.71±0.48 | |

Table 8—Continued

| Name | 2MASS ID | V | J | H | K | Sp. Type | (m-M) | Comments |
|---|---|---|---|---|---|---|---|---|
| G024-030 | 2M2049395-002103 | 13.05 | 9.10±0.02 | 8.44±0.03 | 8.21±0.02 | M3.5 | 1.26±0.40 | |
| | Hipparcos | | | | | | | |
| Gl 914A | 2M0002101+270457 | 5.80 | 4.95±0.21 | 4.45±0.20 | 4.33±0.24 | G5.0 | 0.47±0.08 | Note 18 |
| Gl 914B | 2M0002101+270457 | 8.89 | 6.10±0.10 | 5.50±0.10 | 5.40±0.10 | K7.0 | 0.47±0.08 | |
| Gl 914C | 2M0002101+270457 | 17.00 | 10.65±0.15 | 10.05±0.15 | 9.70±0.15 | M6.0 | 0.50±0.08 | |
| Gl 5 | 2M0006367+290118 | 6.07 | 4.73±0.01 | 4.63±0.14 | 4.31±0.04 | K0.0 | 0.68±0.02 | |
| Gl 27 | 2M0039219+211502 | 5.88 | 4.55±0.21 | 4.06±0.24 | 4.00±0.33 | K0.0 | 0.23±0.02 | |
| Gl 28 | 2M0040493+401113 | 7.36 | 5.69±0.02 | 5.27±0.05 | 5.16±0.01 | K2.0 | 1.19±0.04 | |
| Gl 68 | 2M0142298+201607 | 5.24 | 3.86±0.24 | 3.39±0.23 | 3.29±0.27 | K1.0 | -0.63±0.02 | |
| Gl 71 | 2M0144040-155614 | 3.49 | 2.15±0.31 | 1.80±0.23 | 1.79±0.28 | G8.0 | -2.19±0.01 | |
| Gl 95 | 2M0218585-255645 | 6.33 | 5.06±0.02 | 4.69±0.04 | 4.55±0.01 | G5.0 | 0.51±0.02 | |
| Gl 106A | 2M0243209+192545 | 8.23 | 6.34±0.02 | 5.80±0.02 | 5.65±0.02 | K4.0 | 1.34±0.05 | |
| Gl 106B | 2M0243209+192545 | 12.33 | 8.74±0.10 | 8.20±0.10 | 8.05±0.10 | M3.0 | 1.33±0.05 | Note 19 |
| Gl 117 | 2M0252321-124611 | 6.05 | 4.83±0.23 | 4.23±0.22 | 4.17±0.24 | K2.0 | 0.08±0.02 | |
| Gl 144 | 2M0332559-092729 | 3.72 | 2.23±0.30 | 1.88±0.28 | 1.78±0.29 | K2.0 | -2.46±0.00 | |
| HD 30876 | 2M0449523-350627 | 7.49 | 5.90±0.02 | 5.44±0.05 | 5.33±0.01 | K2.0 | 1.27±0.03 | |
| Gl 183 | 2M0500490-054512 | 6.22 | 4.39±0.24 | 3.80±0.21 | 3.71±0.23 | K3.0 | -0.27±0.02 | |
| Gl 204.1 | 2M0527393-602458 | 6.99 | 5.70±0.01 | 5.34±0.05 | 5.20±0.01 | K5.0 | 1.46±0.02 | |
| HD 36705 | 2M0528448-652655 | 6.88 | 5.32±0.01 | 4.84±0.03 | 4.69±0.01 | K1.0 | 0.87±0.02 | |
| Gl 211 | 2M0541203+532852 | 6.21 | 4.30±0.26 | 3.99±0.24 | 4.27±0.01 | K1.0 | 0.44±0.02 | |
| GJ 1085 | 2M0548350-040540 | 5.97 | 5.26±0.29 | 4.59±0.08 | 4.41±0.00 | G4.0 | 0.96±0.03 | |
| HD 40307 | 2M0554042-600125 | 7.17 | 5.41±0.01 | 4.97±0.04 | 4.79±0.01 | K3.0 | 0.54±0.02 | |
| Gl 227 | 2M0606405+153232 | 6.76 | 5.32±0.01 | 4.94±0.04 | 4.82±0.01 | K0.0 | 0.94±0.03 | |
| Gl 231 | 2M0610145-744511 | 5.08 | 3.95±0.23 | 3.51±0.23 | 3.45±0.20 | G6.0 | 0.03±0.02 | |
| HD 43162 | 2M0613453-235143 | 6.37 | 5.13±0.01 | 4.86±0.03 | 4.73±0.00 | G5.0 | 1.11±0.03 | |
| Gl 233Aa | 2M0626102+184525 | 7.03 | 5.70±0.05 | 5.02±0.05 | 4.75±0.05 | K2.0 | 0.83±0.02 | Note 20 |
| Gl 233Ab | 2M0626102+184525 | 8.53 | 6.35±0.10 | 5.67±0.10 | 5.40±0.10 | K7.0 | 0.83±0.02 | |
| Gl 233B | 2M0626102+184525 | 12.50 | 8.20±0.10 | 7.70±0.10 | 7.50±0.10 | M3.0 | 0.80±0.02 | Note 21 |
| Gl 260 | 2M0659597-612011 | 6.81 | 5.46±0.00 | 5.10±0.04 | 4.99±0.01 | K0.0 | 1.32±0.02 | |
| HD 59747 | 2M0733006+370148 | 7.68 | 6.09±0.02 | 5.66±0.02 | 5.59±0.02 | G5.0 | 1.47±0.05 | |
| Gl 295 | 2M0800322+291247 | 6.97 | 5.54±0.01 | 5.17±0.02 | 5.09±0.01 | G8.0 | 1.13±0.03 | |
| Gl 302 | 2M0818239-123754 | 5.95 | 4.95±0.27 | 4.36±0.22 | 4.16±0.03 | K0.0 | 0.50±0.02 | |
| Gl 356A | 2M0935396+354837 | 5.40 | 4.06±0.41 | 3.72±0.34 | 3.69±0.01 | G8.0 | 0.24±0.02 | |
| Gl 356B | 2M0935396+354837 | 13.00 | 8.80±0.10 | 8.25±0.10 | 8.00±0.10 | M4.0 | 0.25±0.02 | |
| HD 87883 | 2M1008432+341432 | 7.56 | 5.84±0.01 | 5.44±0.04 | 5.31±0.01 | K0.0 | 1.28±0.04 | |
| BD+39 2376Aa | 2M1045215+383042 | 9.90 | 7.30±0.10 | 6.68±0.10 | 6.50±0.10 | M1.0 | 0.75±0.07 | Note 22 |
| BD+39 2376Ab | 2M1045215+383042 | 9.90 | 7.30±0.10 | 6.68±0.10 | 6.50±0.10 | M1.0 | 0.75±0.07 | |
| BD+39 2376B | 2M1045215+383042 | 11.75 | 8.95±0.10 | 8.33±0.10 | 8.35±0.10 | M3.0 | 0.75±0.07 | |
| Gl 434 | 2M1141030+341206 | 5.31 | 3.99±0.24 | 3.65±0.23 | 3.59±0.03 | G8.0 | -0.10±0.02 | |
| Gl 453 | 2M1157562-274225 | 6.99 | 4.99±0.03 | 4.62±0.24 | 4.53±0.30 | K5.0 | 0.04±0.03 | |
| Gl 486.1 | 2M1248471+245025 | 6.29 | 5.12±0.26 | 4.70±0.03 | 4.64±0.01 | G7.0 | 1.17±0.03 | |
| Gl 506 | 2M1318244-181838 | 4.74 | 3.33±0.20 | 2.97±0.18 | 2.96±0.24 | G5.0 | -0.35±0.01 | |
| HIP 68570 | 2M1402196+134123 | 10.68 | 7.56±0.02 | 6.89±0.01 | 6.71±0.01 | M0.5 | 1.45±0.09 | |
| HD 129715 | 2M1444355-221511 | 9.32 | 7.23±0.01 | 6.75±0.04 | 6.57±0.02 | K7.0 | 1.31±0.40 | |
| LP 858-23B | 2M1444401-221445 | 13.1 | 10.58±0.02 | 10.01±0.03 | 9.65±0.03 | M4.5 | 1.31±0.40 | |
| Gl 567 | 2M1453237+190910 | 6.00 | 4.88±0.26 | 4.16±0.03 | 4.32±0.33 | K2.0 | 0.31±0.02 | |
| Gl 614 | 2M1610243+434903 | 6.61 | 5.16±0.02 | 4.80±0.00 | 4.71±0.01 | K0.0 | 1.29±0.02 | |
| Gl 649.1A | 2M1657532+472159 | 7.76 | 6.01±0.00 | 5.56±0.00 | 5.46±0.01 | K5.0 | 1.23±0.03 | Note 24 |
| Gl 649.1B | 2M1657536+472202 | 11.19 | 6.87±0.07 | 6.32±0.24 | 6.09±0.25 | M1.0 | 1.22±0.03 | |

Table 8—Continued

| Name | 2MASS ID | V | J | H | K | Sp. Type | (m-M) | Comments |
|---|---|---|---|---|---|---|---|---|
| Gl 649.1C | 2M1657423+472143 | 7.93 | 6.10±0.01 | 5.63±0.01 | 5.54±0.01 | K5.0 | 1.22±0.03 | |
| Gl 651 | 2M1702364+470454 | 6.76 | 5.41±0.04 | 5.10±0.01 | 5.00±0.01 | G8.0 | 1.28±0.02 | |
| Gl 652 | 2M1704278-283457 | 6.59 | 5.22±0.01 | 4.95±0.08 | 4.76±0.01 | G8.0 | 1.29±0.03 | |
| Gl 675 | 2M1725002+671825 | 6.44 | 4.97±0.23 | 4.64±0.03 | 4.51±0.01 | K0.0 | 0.54±0.02 | |
| Gl 689 | 2M1736133+715243 | 8.55 | 6.52±0.01 | 6.01±0.01 | 5.89±0.01 | K7.0 | 1.40±0.03 | |
| Gl 706 | 2M1809375+382729 | 6.38 | 4.95±0.28 | 4.46±0.19 | 4.23±0.01 | K2.0 | 0.23±0.01 | |
| Gl 722 | 2M1838534-210307 | 5.85 | 4.79±0.19 | 4.31±0.20 | 4.23±0.02 | K0.0 | 0.57±0.03 | |
| CD-27 13268 | 2M1850212-265525 | 9.65 | 6.99±0.01 | 6.38±0.04 | 6.18±0.02 | M0.0 | 1.19±0.09 | |
| Gl 762.1A | 2M1931079+583509 | 7.20 | 5.77±0.04 | 4.61±0.03 | 4.46±0.00 | K1.0 | 1.11±0.02 | Note 25 |
| Gl 762.1B | 2M1931079+583509 | 7.90 | 5.77±0.04 | 5.36±0.03 | 5.21±0.00 | K1.0 | 1.51±0.02 | |
| Gl 770A | 2M1954178-235628 | 6.97 | 5.50±0.25 | 4.90±0.25 | 4.80±0.25 | K3.0 | 0.76±0.02 | Note 26 |
| Gl 770B | 2M1954178-235628 | 6.97 | 5.50±0.25 | 4.90±0.25 | 4.80±0.25 | K3.0 | 0.76±0.02 | |
| Gl 778 | 2M2003521+232026 | 7.28 | 5.67±0.03 | 5.17±0.02 | 5.11±0.02 | K1.0 | 0.96±0.03 | |
| Gl 820A | 2M2106534+384453 | 5.20 | 3.11±0.27 | 2.54±0.20 | 2.25±0.32 | K5.0 | -2.29±0.01 | |
| Gl 820B | 2M2106547+384427 | 6.03 | 3.55±0.28 | 2.89±0.22 | 2.54±0.33 | K7.0 | -2.29±0.01 | |
| Gl 879 | 2M2256240-313355 | 6.48 | 4.53±0.03 | 3.80±0.21 | 3.81±0.24 | K5.0 | -0.59±0.02 | |
| Gl 902.1 | 2M2339513-324436 | 7.18 | 5.79±0.03 | 5.33±0.02 | 5.26±0.01 | K1.0 | 1.36±0.03 | |
| | LSR | | | | | | | |
| LSR0155+37 | 2M0155023+375802 | 14.80 | 10.48±0.02 | 9.86±0.02 | 9.56±0.03 | M5.0 | 1.30±0.48 | Note 27 |
| LSR0510+27 | 2M0510201+271404 | 15.40 | 10.69±0.03 | 9.95±0.03 | 9.57±0.03 | M6.0 | 0.70±0.48 | Note 27 |
| LSR0539+40 | 2M0539248+403843 | 17.00 | 11.10±0.02 | 10.42±0.03 | 10.00±0.03 | M8.0 | 0.90±0.48 | Note 27 |
| LSR2000+30 | 2M2000057+305732 | 15.60 | 10.65±0.03 | 10.11±0.03 | 9.71±0.02 | M5.5 | 0.90±0.48 | Note 27 |
| LSR1826+30 | 2M1826110+301419 | 19.36 | 11.66±0.03 | 11.16±0.03 | 10.80±0.04 | M8.5 | 0.72±0.48 | Note 28 |
| LST1835+32 | 2M1835379+325954 | 18.27 | 10.27±0.03 | 9.58±0.05 | 9.15±0.04 | M8.5 | -1.19±0.01 | Note 29 |

Note. — Spectral types are taken from the PMSU for M dwarfs, and from either the CNS3 or Simbad for earlier-type stars.

Notes: 1. All near-infrared magnitudes for bright stars are from the 2MASS full data release.

2. Relative magnitudes and spectral types for binary components are estimated using $\delta$V cited in the CNS3 and standard colour-magnitude relations, except as noted otherwise.

3. GJ 1005AB - relative magnitudes from Ianna *et al.*(1988).

4. LP 771-95/LP771-96 - see Delfosse *et al.*(1999b) and Jao *et al.*(2003).

5. Gl 140 A/B - see Weis (1991a) and Morlet, Salaman & Gili (2002).

6. Gl 185 A/B - relative optical magnitudes from Fabricius & Makarov (2000).

7. Assumed equal magnitudes.

8. Gl 234 B - optical data and sp. type from Chance & Hershey (1998).

9. Gl 268 A/B - rel. mags derived from mass estimates by Tomkin & Pettersen (1986) and mass luminosity relations by Henry & McCarthy (1993).

10. Gl 268.3 - identified as SB2 by Delfosse *et al.*(1999b); assumed equal magnitudes.

11. Gl 278 D - YY Geminorum B.

12. LHS 1955 A/B - optical magitudes from Jao *et al.*(2003).

13. GJ 2069Aa/Ab - rel. magnitudes from Delfosse *et al.*(1999a).

14. GJ 2069B/C; Gl 381 A/B; LHS 2887 A/B; Gl 747 A/B; Gl 829 A/B - rel. magnitudes from Delfosse *et al.*(1999b).

xx. GJ 2069D - cited in Ségransan *et al.*, (2000)

15. Gl 508 A/B - optical data from Fabricius & Makarov; near-IR from Henry & McCarthy (1993).

16. Gl 630.1 Ab = CM Draconis B

17. relative magnitudes from Delfosse *et al.*(1999)

18. Gl 914 A/B/C: relative magnitudes inferred from analysis by Fernandes *et al.*(2002).

19. Gl 106 A/B: relative magnitudes deduced from the masses derived by Halbwachs *et al.*(2003) and mass-luminosity relations of Henry & McCarthy (1993).

20. Gl 233 Aa/Ab: OU Geminorum, relative magnitudes deduced from the masses derived by Halbwachs *et al.*(2003) and mass-luminosity relations of Henry & McCarthy (1993).

21. Gl 233B: Burnham's star (Burnham, 1891; Baize, 1972).

22. BD+39 2376A/B/C: also known as HIP 52600 and ADS 7915, the relative optical magnitudes for the AC+B pair are from van Biesbrock (1974); Hartkopf *et al.*(1994) identify component C based on speckle imaging. For present purposes, we assume that A and C constitute an equal-magnitude system.

23. Gl 453 is listed as an SB in the CNS3, but we have been unable to find subsequent confirmation in the literature.

24. Gl 649.1A/B/C: all three components are resolved in the full 2MASS data release.

25. Gl 762.1 A/B: Balega *et al.*(2002) give $\delta V = 0.33$ mag.; we assume equal magnitudes at JHK.

26. Gl 770A/B: equal magnitude system, see Fekel & Beavers (1983).

27. See Lépine *et al.*(2002a) and Reid (2003 - Paper VI).

28. See Lépine *et al.*(2002b).

29. See Reid *et al.*(2002) - Paper IV in this series - for photometry and trigonometric parallax data.

Table 9. A rough guide to absolute J magnitudes for K/M dwarfs

| $M_J$ | (V-J) | (J-$K_S$) | (H-$K_S$) | $M_V$ | Sp. Type |
|---|---|---|---|---|---|
| 4.5 | 1.4 | 0.55 | 0.11 | 5.9 | K2 |
| 5.5 | 2.3 | 0.8 | 0.16 | 7.8 | M0 |
| 6.5 | 3.3 | 0.8 | 0.20 | 9.8 | M1 |
| 7.5 | 4.0 | 0.75 | 0.25 | 11.5 | M3 |
| 8.5 | 4.4 | 0.8 | 0.25 | 12.9 | M4 |
| 9.5 | 4.6 | 0.85 | 0.30 | 14.1 | M5 |
| 10.5 | 6.2 | 1.0 | 0.35 | 16.7 | M6 |
| 11.5 | 7.5 | 1.25 | 0.42 | 19.0 | M8 |
| 12.5 | 8.5 | 1.5 | 0.55 | 21.0 | L0 |

Table A1. Photometric outliers in the rNLTT

| $N_{NLTT}$ | Name | $m_r$ | Comment |
|---|---|---|---|
| 166 | LP 824-355 | 14.4 | cpm LP 824-355, $m_r$=13.2, sep=7", V mag. probably affected |
| 1574 | LP 240-22 | 18.8 | mismatch to 2MASS data for cpm, LP 240-23, 18.1 |
| 5244 | LP 468-114 | 17.0 | mismatch to 2MASS data for cpm, LP 468-115, 13.2 |
| 6886 | LP 829-5 | 18.8 | WD?, mismatch to 2MASS data for cpm, LP 829-4, 15.2 |
| 7084 | G 35-27 | 14.3 | cpm LP 469-118, 14.4, sep=3", JHK may be affected |
| 7679 | LP 245-18 | 17.0 | WD, mismatch to 2MASS data for cpm, G74-15 = GJ 3151A |
| 8721 | LP 470-44 | 18.7 | mismatch to 2MASS data for cpm, LP 470-43, 13.1 |
| 9354 | LP 198-66 | 17.1 | mismatch to 2MASS data for cpm, G134-59, 12.5 |
| 10033 | LP 411-59 | 16.0 | merged with LHS 1509, 14.2 |
| 11110 | LP 31-157 | 14.7 | merged with LP 31-158, JHK may be affected |
| 11112 | LP 31-158 | 14.3 | merged with LP 31-157, JHK may be affected |
| 11139 | LP 413-1 | 16.0 | mismatch with cpm, LP 413-2, 10.8 |
| 13343 | BD+21:652 | 8.6 | 2MASS J, H photometry saturated |
| 14262 | LP 835-51 | 17.0 | mismatch with 2MASS data for cpm, LP 835-52, 12.1 |
| 14342 | LP 416-231 | 18.2 | mismatch to field star; |
| | | | 2MASSF05010197+1552161, J=15.25, J-K=0.67 |
| 14868 | BD-3:1061B | 11.2 | mismatch to BD-3:1061A, 8.4 |
| 15665 | LP 658-112 | 18.2 | mismatch to 2MASS data for cpm, G99-36, 14.1 |
| 18020 | G 89-28 | 14.2 | mismatch to cpm, G89-29, 12.1 |
| 19122 | LP 664-38 | 17.4 | prob. WD, mismatch to G113-17, 14.7 |
| 20777 | LP 845-8 | 19.0 | prob. WD, mismatch to cpm LP 845-9, 14.6 |
| 25280 | LP 791-55 | 16.2 | prob. WD, mismatch to BD-18:3019, 12.9 |
| 31551 | LP 377-48 | 16.0 | mismatch to cpm, Ross 963, 10.9 |
| 32069 | BD+0:2980 | 8.6 | 2MASS J, H photometry saturated |
| 35133 | BD+15:2620 | 10.1 | 2MASS J, H photometry saturated |
| 35442 | LP 856-53 | 15.2 | prob. WD, mismatch to LP 856-54, 12.4; |
| | | | 2MASSF13512268-2733574, J=14.91, J-K=0.16 |
| 37633 | LP 271-32 | 18.8 | prob. WD, mismatch to LP 271-33, 12.8 |
| 43834 | LP 863-15 | 18.5 | NLTT $m_r$ is incorrect, $m_r \sim 14$ |
| 44601 | LP 920-43 | 13.4 | elongated image on DSS/2MASS, probably binary |
| 45190 | BD+68:946 | 9.3 | 2MASS J, H photometry saturated |
| 46690 | LP 229-17 | 11.5 | GJ 4063, 2MASS JHK inaccurate |
| 47625 | BD+46:2654 | 11.2 | G 208-16, 2MASS K mag. inaccurate |
| 48991 | LP 514-18 | 13.5 | G143-43, V=10.75; NLTT $m_r$ incorrect |
| 49703 | LP 693-351 | 19.0 | NLTT B magnitude and rNLTT V are incorrect |
| 52786 | LP 639-15 | 17.0 | mismatch to cpm, LP 699-14, 11.6 |
| 55272 | LP 933-25 | 15.0 | merged with LP 933-24, 11.0 |
| 56041 | BD+48:3952B | 10.0 | mismatch with BD+48:3952A, 7.2 |
| 56911 | LP 878-33 | 18.5 | mismatch with cpm, LP 878-32, 13.0 |
| 58639 | LP 879-49 | 17.5 | mismatch with cpm, LP 879-49, 13.8 |

Table A2. Comments on rNLTT stars

| $N_{NLTT}$ | Name | $m_r$ | Comment |
|---|---|---|---|
| 1574 | LP 241-22 | 18.8 | mismatch to 2MASS data for cpm, LP 241-21, 11.6 |
| 2804 | LP 350-19 | 12.0 | merged with cpm, LP 350-20, 11.7 |
| 2805 | LP 350-20 | 11.7 | merged with cpm, LP 350-19, 12.0 |
| 3411 | G 268-98 | 13.5 | mismatch to 2MASS data for cpm, BD-16:168, 9.0 |
| 3462 | LP 406-76 | 11.7 | merged with cpm, LP 406-77, 11.7 |
| 3463 | LP 406-77 | 11.7 | merged with cpm, LP 406-76, 11.3 |
| 3482 | LP 194-20 | 13.7 | mismatch to 2MASS data for cpm, G 132-51, 12.7 |
| 3642 | LP 294-49 | 14.1 | merged with cpm, G 132-54, 14.9 |
| 3916 | LP 767-16 | 13.6 | merged with cpm, LP 767-17, 14.1 |
| 3917 | LP 767-17 | 14.1 | merged with cpm, LP 767-16, 13.6 |
| 5244 | LP 468-114 | 17.0 | mismatch to 2MASS data for cpm, LP 468-115, 12.3 |
| 5504 | LP 768-26 | 12.2 | merged with cpm, LP 768-27, 12.7 |
| 5505 | LP 768-27 | 12.7 | merged with cpm, LP 768-26, 12.2 |
| 6606 | LP 828-46 | 15.0 | merged with cpm, LP 828-45, 14.5 |
| 6680 | LP 469-41A | 14.1 | merged with cpm, LP 469-41B, 14.2 |
| 6681 | LP 469-41B | 14.2 | merged with cpm, LP 469-41A, 14.1 |
| 6704 | LP 884-75 | 13.6 | close double?, sp=M0.5, barely consistent with ($m_r$-$K_S$)=4.9 |
| 6886 | LP 829-5 | 18.8 | mismatch to 2MASS data for cpm, LP 829-4, 15.2 |
| 7084 | G 73-27 | 14.3 | merged with cpm, LP469-118, 14.4 |
| 7318 | LP 649-66 | 12.1 | merged with cpm, LP 649-67, 12.2 |
| 7319 | LP 649-67 | 12.2 | merged with cpm, LP 649-66, 12.1 |
| 7679 | LP 245-18 | 17.0 | mismatch to 2MASS data for cpm, G 74-15, 12.0 |
| 8465 | LP 298-7 | 12.6 | merged with cpm, LP 298-8, 12.8 |
| 8466 | LP 298-8 | 12.8 | merged with cpm, LP 298-7, 12.6 |
| 8721 | LP 470-44 | 18.7 | mismatch to 2MASS data for cpm, LP 470-43, 13.1 |
| 10033 | LP 411-59 | 16.0 | mismatch to 2MASS data for cpm, LHS 1509, 14.2 |
| 11110 | LP 31-157 | 14.7 | merged with cpm, LP 31-158, 14.3 |
| 11112 | LP 31-158 | 14.3 | merged with cpm, LP 31-157, 14.7 |
| 11139 | LP 413-1 | 16.0 | mismatch to 2MASS data for cpm, LP 413-2, 10.8 |
| 11834 | BD+38:807 | 10.8 | listed as binary system in rNLTT |
| 12688 | LP 414-108 | 13.3 | close double, suspect 2MASS photometry. Not listed as such in NLTT, sp.type=g-k |
| 13437 | LP 715-51AB | 11.5 | listed as binary system in rNLTT, Hipparcos |
| 14262 | LP 835-51 | 17.0 | mismatch to 2MASS data for cpm, LP 835-52, 12.1 |
| 14342 | LP 416-231 | 18.2 | mismatch to field star; no evidence for motion. |
| | | | Correct ID probably 2MASS 050100.2+155144, J=15.62, H=14.87, K=14.7; |
| 15655 | LP 658-112 | 18.2 | mismatch to 2MASS data for cpm, G 99-36, 14.1 |
| 15845 | G 100-48 | 13.8 | previously uncatalogued companion, $m_r \sim 17.5$, |
| | | | 2MASS05571910+1708279, J=11.80, H=11,30, K=11.00 |
| 16695 | BD-10:1583 | 10.8 | listed as binary system in rNLTT, Hipparcos |
| 16784 | LP 363-7 | 13.6 | previously unrecognised companion, |
| | | | 2MASS06385265+2255115, J=12.24, H=11.62, K=11.34 |
| 18027 | L 456-55 | 11.2 | listed as binary system in rNLTT |
| 19133 | LP 664-38 | 17.4 | mismatch to 2MASS data for cpm, G 113-17, 14.7 |
| 20496 | LP 726-18 | 12.0 | merged with cpm, LP 726-19, 12.5 |
| 20497 | LP 726-19 | 12.5 | merged with cpm, LP 726-18, 12.0 |
| 20589 | LP 606-27 | 13.4 | merged with cpm, LP 606-28, 11.2 |
| 20777 | LP 845-8 | 19.0 | WD?, mismatch to 2MASS data for cpm, LP 845-9, 14.6 |
| 25612 | LP 731-15 | 15.0 | merged with cpm, LP 731-14, 14.5 |
| 26194 | BD-3:3040 | 10.4 | listed as binary system in rNLTT, ADS 8048BC |

Table A2—Continued

| $N_{NLTT}$ | Name | $m_r$ | Comment |
|---|---|---|---|
| 28729 | LP 319-36 | 14.0 | merged with cpm, LP 319-37, 13.0 |
| 31551 | LP 377-48 | 16.0 | mismatch to 2MASS data for cpm, Ross 963, 10.9 |
| 31576 | LP 171-46 | 13.2 | mismatch to 2MASS data for cpm, G 198-71, 10.1 |
| 33949 | LP 65-440 | 14.2 | merged with cpm, G 238-34, 13.4 |
| 35442 | LP 856-53 | 15.2 | WD, mismatch to 2MASS data for cpm, LP 826-54, 12.4 |
| 35585 | LP 270-9 | 17.4 | mismatch to 2MASS data for cpm, LP 270-8, 15.7 |
| 40101 | LP 68-70 | 15.8 | merged with cpm, LP 68-71, 16.1 |
| 40102 | LP 68-71 | 16.1 | merged with cpm, LP 68-70, 15.8 |
| 43834 | LP 863-15 | 18.5 | ? mis-identification, no evidence for motion, $m_{pg}$=15.0 |
| 44624 | LP 277-26 | 14.8 | mismatch to 2MASS data for cpm, Wolf 692, 13.2 |
| 45041 | LP 448-12 | 16.0 | mismatch to 2MASS data for cpm, LP 448-11, 12.8 |
| 45088 | T 36 | 16.2 | crowded, low-latitude field, no evidence for motion |
| 45242 | LP 44-48 | 13.9 | mismatch to 2MASS data for cpm, LP 44-47, 12.1 |
| 45974 | G 154-45 | 14.1 | DA, JHK photometry affected by IRAS 18049-1417 |
| 47260 | G 229-20 | 13.0 | merged with cpm, LP 141-13, 13.2 |
| 47261 | LP 141-13 | 13.2 | merged with cpm, G 229-20 |
| 48070 | LP 813-5 | 14.5 | merged with cpm, LP 813-6, 13.4 |
| 48223 | BD+31:3767A | 10.1 | Gl 767A, merged with BD+31:3767B, 10.8 |
| 48224 | BD+31:3767B | 10.8 | Gl 767B, merged with BD+31:3767A, 10.1 |
| 49365 | BD+26:3915 | 10.8 | HD 340345, close binary system |
| 50692 | LP 637-5 | 16.2 | merged with cpm, LP 637-4, 15.0 |
| 51535 | LP 638-79 | 11.2 | close binary system, Balega et al, 2002 |
| 53279 | LP 639-15 | 17.0 | may not be real, mismatch to 2MASS data for LP 699-14 |
| 53719 | LP 931-58 | 14.0 | merged with cpm, LP 931-57, 13.1 |
| 54303 | LP 288-40 | 18.2 | mismatch to 2MASS data for cpm, LP 288-39, 16.3 |
| 54522 | G 27-39 | 14.9 | close pair, Sp=M0.5 d$\sim$90pc |
| 54777 | R 223B | 12.7 | merged with Ross 223A, 10.4 |
| 56041 | BD+48:3952B | 10.0 | mismatch with 2MASS data for BD+48:3952A, 7.2 |
| 56476 | BD-5:5966B | 11.0 | JHK affected by BD-5:5966A (96 Aqr, $\pi$ = 28.7 mas) |
| 56598 | LP 290-18 | 15.0 | mismatch to 2MASS data for cpm, G 190-19, 13.1 |
| 56911 | LP 878-33 | 18.5 | mismatch to 2MASS data for cpm, LP 878-32, 13.0 |
| 57086 | LP 462-51 | 12.2 | merged with cpm, LP 462-52, 11.6 |
| 57087 | LP 462-52 | 11.6 | merged with cpm, LP 462-52, 12.2 |
| 57491 | LP 763-43 | 15.1 | merged with cpm, LP 763-44, 16.0 |
| 57498 | LP 763-44 | 16.0 | merged with cpm, LP 763-43, 15.1 |
| 57499 | LP 763-45 | 15.1 | looks extended on I-band/2MASS |
| 58510 | LP 704-11 | 13.7 | merged with cpm, LP 704-12, 12.2 |
| 58639 | LP 879-48 | 17.5 | mismatch to 2MASS data for cpm, LP 879-49, 13.8 |