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# The stellar content of the young open cluster Trumpler 37

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With an apparent cluster diameter of $1.5°$ and an age of $\sim 4\,\mathrm{Myr}$, Trumpler 37 is an ideal target for photometric monitoring of young stars as well as for the search of planetary transits, eclipsing binaries and other sources of variability. The YETI consortium has monitored Trumpler 37 throughout 2010 and 2011 to obtain a comprehensive view of variable phenomena in this region. In this first paper we present the cluster properties and membership determination as derived from an extensive investigation of the literature. We also compared the coordinate list to some YETI images. For 1872 stars we found literature data. Among them 774 have high probability of being member and 125 a medium probability. Based on infrared data we re-calculate a cluster extinction of $0.9 - 1.2\,\mathrm{mag}$. We can confirm the age and distance to be $3 - 5\,\mathrm{Myr}$ and $\sim 870\,\mathrm{pc}$. Stellar masses are determined from theoretical models and the mass function is fitted with a power-law index of $\alpha = 1.90\,(0.1 - 0.4\,M_\odot)$ and $\alpha = 1.12\,(1 - 10\,M_\odot)$.

## 1  Introduction: Trumpler 37

Trumpler 37 is a young open cluster in the Cepheus OB2 region. Based on optical spectroscopy and photometry, and main sequence fitting, Contreras et al. (2002) derived a distance of about 870 pc. The latest age estimation yields $\sim 4\,\mathrm{Myr}$ (Kun, Kiss & Balog 2008, Sicilia-Aguilar 2005), using also optical spectroscopy and photometry for comparison to theoretical isochrones. Thereby the average extinction was measured to be $A_\mathrm{V} = 1.56 \pm 0.55\,\mathrm{mag}$. Mercer et al. (2009) found an average extinction in the central re-

gion of $A_\mathrm{V} \sim 1.3\,\mathrm{mag}$. Several studies were devoted to distinguish between members and foreground or background stars.

The first classification as a cluster was done by Trumpler (1930), who used the brightness and spectral types of the stars to derive their distance moduli. This resulted in a cluster distance of 670 to 890 pc. Similar work was done by Simonson (1968), and Garrison & Kormendy (1976), who both obtained a distance of 1000 pc. The stars in young clusters are expected to display common space velocities which surpass their random movements. Therefore, studying the kinematics of a stellar aggregate allows calculating the membership probability. Marschall & van Altena (1987) measured the proper motions while Sicilia-Aguilar et al.

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(2006b) determined the radial velocities to infer members of Trumpler 37.

Young clusters offer additional membership tracers which use particular signs of star formation to discriminate young stellar objects from older field stars. A prominent property of young stars is their photometric variability due to spots or accretion. Gieseking (1976), Sicilia-Aguilar et al. (2004) and Morales-Calderón et al. (2009) applied this technique to Trumpler 37. The youth of stars and therefore high membership probability can also be derived from lithium absorption (Sicilia-Aguilar et al. 2004, 2005), because most of the primordial lithium is depleted after a few Myr (e.g. Piau & Turck-Chièze 2002). A useful tracer for disk accretion is Hα emission. This behavior was employed by Kun (1986), and Kun & Pasztor (1990) to find cluster members. Infrared excess in the spectral energy distribution is a hint for circumstellar disks and therefore another indicator for youth (Sicilia-Aguilar et al. 2006a). The variability of young stars which are still embedded in a dark cloud can be studied in the infrared (Morales-Calderón 2009). Likewise, they show enhanced X-ray emission due to higher activity. This was used by Mercer et al. (2009) to investigate membership in Trumpler 37.

The YETI (*Young Exoplanet Transit Initiative*) consortium was established, to monitor young clusters like Trumpler 37 in a continuous way (see Neuhäuser et al. 2011). The consortium consists of $0.4$ to $2\,\mathrm{m}$ sized telescopes, which are located at different longitudes all over the world. Data from the Jena 90/60 cm Schmidt telescope, from the Xinglong 90 cm telescope, and from the Rozhen 60 cm telescopes were used for this work. The big fields of view of Jena ($53'$x$53'$) and Xinglong ($94'$x$94'$) covered the largest areas of Trumpler 37, while the 2x2 mosaic of the Rozhen 60 cm telescope provides a good resolution ($0.53''$/px).

The main motivation for this paper is to present a comprehensive view of the properties of Trumpler 37, by collating information scattered throughout the literature, compiling the most complete list available of stars in the field of the cluster from various existing astrometric and photometric sources, assessing their individual membership using a suite of kinematic and astrophysical criteria, and deriving additional properties of the cluster including the mass distribution. This will provide the basic framework for extensive variability studies of members of Trumpler 37 that are currently underway within the YETI project.

## 2 Data collection

We combined the data from several publications and databases: Marschall & van Altena (1987), Contreras et al. (2002), Sicilia-Aguilar et al. (2004, 2005, 2006a, 2006b), Mercer et al. (2009), Morales-Calderón (2009) and the WEBDA[1] database. The WEBDA catalog contains the data on Trumpler 37 from publications before the year 2000. One

[1] http://www.univie.ac.at/webda/
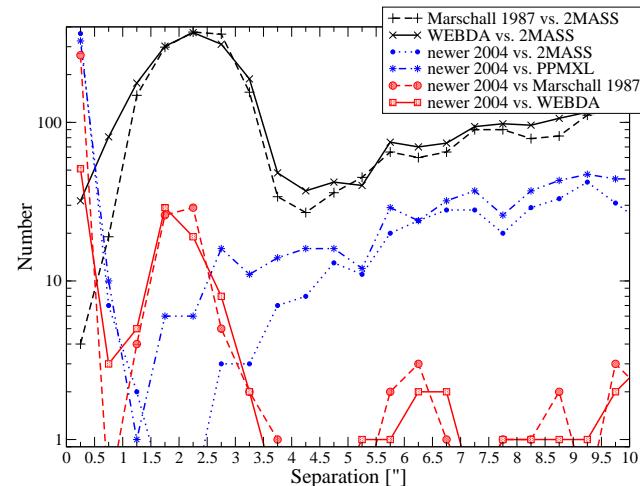


**Fig. 1** The measured minimal separation between stars of two catalogs, resulting in bimodal distributions to find the maximum allowable separation. The comparison of the coordinates from literature after 2004 with WEBDA and Marschall & van Altena (1987) (red filled circles and squares) results in an optimized search radius of $\leq 4.5''$. This is also the best search radius, when comparing the later positions to 2MASS (black + and x). For the catalogs after 2004 the coordinates are more accurate, which results in optimal search radii of $\leq 1.5''$ (blue dots and stars).

has to take into account the fact that all observations and publications deal with biased samples, either because only brighter stars are included or because they include only a selected subset of the stars, e.g. late-type stars or those showing photometric variability over limited time scales, band passes, and/or magnitude ranges.

Additional information was added from the Two-Micron All Sky Survey Point Source Catalog (2MASS PSC, Skrutskie et al. 2006). If two 2MASS sources were located next to the star, the literature data were connected to both of the 2MASS sources, resulting in two entries for them. Probably, the other data, like the optical brightness, of the two close stars are unresolved in this cases. Furthermore, the proper motion catalogs UCAC3 (Zacharias et al. 2010), and PPMXL (Roeser, Demleitner & Schilbach 2010) were attached to the 2MASS positions. PPMXL was more complete than UCAC3.

We used the J2000 coordinates as given in the literature for the cross correlation. The B1950 coordinates were transformed in J2000 for WEBDA and Marschall & van Altena (1987), using the proper motion from the latter publication, if available.

The cross correlation of coordinates from two different catalogs results in bimodal distributions (see Fig. 1 for some examples) in the separation (as minimum between two peaks). We therefore used two criteria for identifying stars in different tables: a $4.5''$ search radius was used if at least one of the coordinate sets was created before 2004; otherwise a $1.5''$ search radius was used for comparison of

more recently obtained pairs of coordinate measurements. A search radius of $2.0''$ was used for adding 2MASS, PPMXL and UCAC3 to the catalogs after 2004. Additionally, the identifiers are used to check the correct entries, if available. We also compared brightness measurements from different data sources to check the plausibility of our cross-identifications. But the latter method was limited due to different photometric sources and variability of the stars.

We compared the coordinate lists also with data taken with the telescopes in the YETI network. The used images were taken on 2009 July 25 with the Jena telescope, and on 2010 August 5 and 6 with the Xinglong and Rozhen telescopes, respectively. The images were reduced in a standard way (bias, dark and flat-field correction) and were astrometrically calibrated, using the program *GAIA*[2]. No galaxies were found during the inspection of the images.

We found and corrected a few problems, which are all marked in Table 1:

– Some stars with the same position got two entries: in the WEBDA database and in one case in the Sicilia-Aguilar et al. publications. These data were combined into one entry in our table and marked with footnotes.
– The positions were in some cases imprecise. This was the case for the declination as given by Contreras et al. (2002) and for WEBDA entries. The discrepancy in the first one was up to $10''$ using the identifiers and magnitudes.
– The star position in the finding chart and the catalog position did not match in some cases for the stars from Marschall & van Altena (1987). In the most cases we were able to fix the catalog entry. In our list they are marked with "new coordinates". If no star is visible at the new position it is marked with "no star".
– Additionally, when we plotted the stars from Marschall & van Altena (1987) in the YETI images, we found for some stars no or only a very faint star in our observation. We annotated these 'missing' stars in our table as "no/faint star" or "no star". If these stars are true objects, detected by Marschall & van Altena (1987) on the plates from both 1937 and 1973, they disappeared by becoming much fainter or being very variable. Objects detected on only one epoch (either 1937 or 1973) could also be very fast moving objects, in which case they probably are foreground objects, not cluster members.

The literature data are given in Table 1 and partly in Table 2 (Columns 2 to 10).

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[2] http://star-www.dur.ac.uk/ pdraper/gaia/gaia.html

R. Errmann et al.: Stellar content of Trumpler 37

**Table 1** Literature data for stars in Trumpler 37

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | $U$ mag | $B$ mag | $V$ mag | $R$ mag | $I$ mag | $J$ mag | $H$ mag | $K$ mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:46.57 | 57:11:25.4[r] | 2 | 3002 | | | | 14.7[j] | | | 11.532 (24) | 10.787 (28) | 10.583 (20)[r] | | | -3.2 (4.1) | -2.4 (4.1) | -11.3 (6.8) | 0.1 (6.8) | | | |
| 2 | 21:36:44.78 | 57:11:53.0[r] | 3 | 3003 | | | | 13.9[j] | | | 12.647 (27) | 12.547 (37) | 12.452 (29)[r] | | | -10.4 (4.1) | 2.2 (4.1) | -30.9 (6.8) | 12.1 (6.8) | -0.17 | 0.05 | |
| 3 | 21:36:42.64 | 57:13:01.0[r] | 4 | 3004 | | | | 13.3[j] | | | 11.880 (27) | 11.530 () | 11.445 ()[r] | | | | | | | 3.15 | -4.9 | |
| 4 | 21:36:20.30 | 57:12:55.9[r] | 5 | 3005 | | | | 13.6[j] | | | 11.562 (26) | 11.227 (28) | 11.101 (20)[r] | | | -8.2 (4.1) | 1.9 (4.1) | -11.9 (6.8) | 6.6 (6.8) | 0.13 | -0.23 | |
| 5 | 21:36:29.82 | 57:12:48.0[j] | 6 | 3006 | | | | 14.6[j] | | | | | | | | | | | | | | no/faint star |
| 6 | 21:36:41.77 | 57:13:40.8[r] | 7 | 3007 | | | | 13.9[j] | | | 10.779 (26) | 10.051 (27) | 9.849 (23)[r] | | | -0.3 (5.1) | 5.3 (5.1) | -8.2 (7.1) | 41.1 (7.2) | 0.01 | 0.75 | |
| 7 | 21:36:40.66 | 57:13:39.2[r] | 8 | 3008 | | | | 15[j] | | | 12.718 (28) | 12.333 (41) | 12.227 (29)[r] | | | -19.4 (4.1) | -6.3 (4.1) | -70.6 (7.1) | -5.5 (7.1) | | | |
| 8 | 21:36:46.12 | 57:12:53.3[r] | 9 | 3009 | | | | 14.8[j] | | | 12.685 (26) | 12.395 (30) | 12.256 (25)[r] | | | -3.9 (4.1) | -10.2 (4.1) | -6.6 (6.8) | -29.3 (6.8) | 0.1 | -0.13 | |
| 9 | 21:36:47.04 | 57:13:01.7[r] | 10 | 3010 | | | | 14.5[j] | | | 12.718 (26) | 12.458 (31) | 12.361 (25)[r] | | | 2.7 (4.1) | 7.3 (4.1) | 5.2 (7.6) | 13.9 (7.6) | -0.12 | 0.26 | |
| 10 | 21:36:50.76 | 57:12:41.4[r] | 11 | 3011 | | | | 14.9[j] | | | 12.423 (31) | 12.017 (32) | 11.878 (25)[r] | | | -13 (4.1) | 6.5 (4.1) | -23.2 (6.9) | 28.7 (7) | | | |
| 11 | 21:36:27.84 | 57:14:05.7[r] | 12 | 3012 | | | | 14.9[j] | | | 11.658 (24) | 11.039 (27) | 10.860 (21)[r] | | | -37.1 (4.1) | -55.6 (4.1) | -32.8 (6.8) | -50.7 (6.8) | | | |
| 12 | 21:36:32.90 | 57:14:20.1[r] | 13 | 3013 | | | | 13.6[j] | | | 12.133 (28) | 11.785 (33) | 11.716 (28)[r] | | | -8.9 (4.1) | -18.9 (4.1) | 1.6 (7) | -59.8 (7) | 0.65 | -0.37 | |
| 13 | 21:36:32.90 | 57:14:52.2[r] | 14 | 3014 | | | | 13.4[j] | | | 11.662 (26) | 11.384 (28) | 11.279 (23)[r] | | | -6 (4.1) | 0.4 (4.1) | -10.8 (6.8) | 17.5 (6.8) | 0.22 | -0.28 | |
| 14 | 21:36:55.07 | 57:15:23.6[r] | 15 | 3015 | | | | 13.8[j] | | | 12.213 (22) | 11.835 (28) | 11.769 (21)[r] | | | -0.1 (4.1) | 11.4 (4.1) | -1.3 (6.8) | 11.3 (6.8) | -0.85 | 1.14 | |
| 15 | 21:36:55.96 | 57:13:39.7[r] | 16 | 3016 | | | | 14.8[j] | | | 10.627 (24) | 9.679 (28) | 9.406 (21)[r] | | | -3.6 (5.1) | -2.3 (5.1) | -13.7 (6.9) | 1.6 (6.9) | 0.32 | 0.17 | |
| 16 | 21:36:58.46 | 57:13:46.0[r] | 17 | 3017 | | | | 15[j] | | | 12.959 (22) | 12.565 (28) | 12.481 (25)[r] | | | -3.4 (4.1) | 9.5 (4.1) | 0 (6.8) | 7.7 (6.8) | | | |
| 17 | 21:36:46.85 | 57:17:11.5[r] | 18 | 3018 | | | | 15[j] | | | 12.827 (27) | 12.484 (33) | 12.370 (28)[r] | | | -2.6 (4.1) | 3 (4.1) | 3.6 (6.8) | 9.8 (7) | | | |
| 18 | 21:36:35.45 | 57:17:33.0[r] | 19 | 3019 | | | | 14.3[j] | | | 12.236 (24) | 11.890 (28) | 11.817 (24)[r] | | | -10.1 (4.1) | 2.5 (4.1) | -14.5 (7.4) | 8.7 (7.4) | 0.74 | 0.04 | |
| 19 | 21:36:30.67 | 57:19:25.5[r] | 20 | 3020 | | | | 12.6[j] | | | 11.613 (24) | 11.496 (31) | 11.367 (23)[r] | | | -5.8 (4.1) | 0.2 (4.1) | -5.1 (2.3) | -5.4 (2.1) | 0.05 | -0.43 | |
| 20 | 21:36:41.27 | 57:18:43.6[r] | 22 | 3022 | | | 16.13[l] | 14.53[i] | 13.63 | 12.75[i] | 11.284 (24) | 10.614 (28) | 10.357 (21)[r] | | | -6.3 (4.1) | -1.7 (4.1) | -18.3 (6.8) | 0.3 (6.8) | 0.39 | -0.01 | |
| 21 | 21:36:46.24 | 57:18:47.6[r] | 23 | 3023 | | 15.66[l] | 15.3[h] | 14.42[h] | 13.9 | 13.4[i] | 12.685 (26) | 12.411 (31) | 12.302 (26)[r] | F6[h] | 1.31[h] | -7.4 (4.1) | -0.5 (4.1) | -0.9 (6.8) | 6.8 (6.8) | 0.25 | 0.06 | Dec [h] imprec. |
| 22 | 21:36:50.20 | 57:19:07.2[r] | 24 | 3024 | | | | 14.4[j] | | | 8.750 (27) | 7.551 (42) | 7.140 (21)[r] | | | -4.6 (5.1) | 0.9 (5.1) | -18.3 (6.7) | 5 (6.7) | | | |
| 23 | 21:36:50.49 | 57:18:15.0[r] | 25 | 3025 | | | 14.55[l] | 12.42[l] | | | 8.164 (23) | 7.239 (34) | 6.914 (31)[r] | | | -4.7 (13.8) | 2.8 (13.8) | -1.8 (7.8) | 0.8 (7.8) | -0.32 | 0.21 | |
| 24 | 21:37:00.18 | 57:18:27.1[r] | 26 | 445 | | | | 11.8[j] | | | 11.102 (21) | 10.989 (28) | 10.930 (21)[r] | B8[q] | | -6.5 (13.3) | 3.4 (13.3) | -4 (1.2) | -1.3 (1.1) | -0.35 | 0.32 | |
| 25 | 21:36:55.01 | 57:19:43.2[r] | 27 | 3027 | | | | 14.7[j] | | | 12.806 (24) | 12.394 (32) | 12.264 (24)[r] | | | 14.6 (4.1) | -2.7 (4.1) | 10.2 (6.8) | -0.8 (6.8) | | | |
| 26 | 21:37:01.56 | 57:19:47.3[r] | 28 | 3028 | | | | 13.8[j] | | | 11.048 (22) | 10.404 (28) | 10.179 (21)[r] | | | 5.1 (4.1) | 9.7 (4.1) | 14.7 (6.8) | 15.4 (6.8) | -1.43 | 1.09 | |
| 27 | 21:37:08.60 | 57:18:03.3[r] | 29 | 3029 | | | | 13.7[j] | | | 12.380 (21) | 12.181 (27) | 12.113 (24)[r] | | | -3.5 (4.1) | 3.5 (4.1) | 20 (6.8) | -8.4 (6.8) | 0.12 | 0.14 | |
| 28 | 21:37:10.54 | 57:18:39.9[r] | 30 | 3030 | | | | 14.7[j] | | | 11.413 (22) | 10.619 (27) | 10.465 (20)[r] | | | -5.6 (4.1) | 1 (4.1) | -7.6 (6.8) | -6.1 (6.8) | -0.22 | 0.33 | |
| 29 | 21:36:34.30 | 57:20:53.6[r] | 31 | 3031 | | | | 14.8[j] | | | 10.745 (22) | 9.736 (29) | 9.435 (21)[r] | | | -12 (5.1) | -1.1 (5.1) | -13.3 (6.8) | 3 (6.9) | | | |

plus 1862 stars in electronic table (at the end of the document: Table A1).

Remarks: The superscript letters behind the values indicate the source for the value:
[**a**] Morales-Calderón et al. (2009); [**b**] Mercer et al. (2009); [**c**] Sicilia-Aguilar et al. (2006b); [**d**] Sicilia-Aguilar et al. (2006a); [**e**] Sicilia-Aguilar et al. (2005); [**f**] Sicilia-Aguilar et al. (2004); [**g**] WEBDA (consists of Sicilia-Aguilar et al. (2004) and Morbidelli et al. (1997)); [**h**] Contreras et al. (2002) (used for photometry Marschall, Karshner & Comins (1990)); [**i**] Marschall et al. (1990); [**j**] Marschall & van Altena (1987) ($V$ magnitudes from fitting instrumental magnitudes to photometry from Garrison & Kormendy (1976) and de Lichtbuer (1982)); [**k**] Kun (1986); [**l**] WEBDA (consists of Marschall et al. (1990), Garrison & Kormendy (1976), Simonson (1968) and other publications for few stars); [**m**] WEBDA (coordinate source); [**n**] WEBDA (consists of Marschall & van Altena (1987) and internal WEBDA information); [**o**] WEBDA (consists of 6 publications for 7 stars); [**p**] WEBDA (consists of Garrison & Kormendy (1976) and other publications for few stars); [**q**] WEBDA (consists of Alkansis (1958), Contreras et al. (2002), Sicilia-Aguilar et al. (2004), Balazs et al. (1996) and other publication for few stars); [**r**] 2MASS (Skrutskie et al. 2006). The different WEBDA tables were compiled from different literature, the main publications are given in brackets MVA, WEBDA and SHB-2004 are star numbers in papers [j]; [l]-[q]; and [c]-[f], [h], respectively. If data from different literature are available, the more recent one is given. Please note, that the $V$ magnitude was measured from photographic plate, photoelectrical or with CCD, making comparison difficult. The source for $R$ and $I$ magnitude is the same (given after $I$) and the source for $J$, $H$ and $K$ magnitude is the same (given after $K$). Errors in $JHK$-photometry are given only, if the 2MASS quality flag is "A", "B", "C" or "D", otherwise an empty parenthesis indicates uncertainties in the 2MASS photometry.

**Comments**: If two stars were located close to each other ($< 5''$), the stars were marked with "near #". "no star" or "no/faint star" means we were not able to find the star from Marschall & van Altena (1987) in our images (see also the text). "new coordinates" means, we changed the coordinates from Marschall & van Altena (1987) to match the position that was given in their finding chart (see also text). In cases of infrared data (Sicilia-Aguilar et al. 2006a), we were not able to see some stars in our optical images, resulting in comments "no opt. cp." or "very faint opt. cp." (opt. cp. standing for optical counterpart). Because Sicilia-Aguilar et al. (2004) used the earlier compilation of the 2MASS catalog (Cutrie et al. 2003) some stars get the comment "$JHK$ in [f] different". In case of two not distinguishable 2MASS sources near the star, the entry was duplicated in the consecutive row, so both sources were connected. The comment "2x[r]" was added and the fainter one marked. Probably, the other data from the literature, like optical brightness, is not resolved in this case. In Marschall & van Altena (1987) and the WEBDA database stars outside all YETI telescope fields of view (FoV) are marked with "outFoV". In some cases stars with the same names (and properties) differ in the coordinates in different catalogs. The more reliable coordinate was used and in the comments "Dec [h] imprec." or "[m] imprec." was attached, meaning that problems occurred in Contreras et al. 2002 or the WEBDA database. In some entries the WEBDA entries were even wrong, resulting in "WEBDA wrong".
Spectroscopic binaries were marked with "SB1" or "SB2" as given in Sicilia-Aguilar et al. (2006b).

# 3   Membership determination

We established a three-level scale of probabilities of membership in Trumpler 37: high (h), medium (m), and low (l) based on the following data from the literature: lithium absorption (from Sicilia-Aguilar et al. 2004, 2005, 2006b), H$\alpha$ emission (from Sicilia-Aguilar et al. 2004, 2005, 2006b), radial velocity (RV) (from Sicilia-Aguilar et al. 2006b, Contreras et al. 2002), mass accretion on the star (from Sicilia-Aguilar et al. 2006b), X-ray luminosity (Mercer et al. 2009) and variability (Morales-Calderón et al. 2009, Sicilia-Aguilar et al. 2004, 2005). The following listing describes our considerations for membership determination in detail.

- Due to different temperatures, depth of convection zones, rotation, accretion history, and close companions, the primordial lithium in the atmospheres of stars has different life times. We followed Fig. 6 from Neuhäuser (1997) in our criteria for the equivalent widths (EW) as listed in Table 3.
- Accretion disks typically last for about 10 Myr (e.g. Jayawardhana et al. 2006). Depending on its temperature the circumstellar dust emits from infrared (IR) to mm wavelengths. We have used the infrared excess emission for constraining further membership probability. Consequently, whenever the spectral energy distribution given by Sicilia-Aguilar et al. (2006a) displays infrared excess, we assigned a high membership probability for the corresponding star; otherwise, if IR data are available, but there is no apparent excess, we assigned a low probability; if no IR data are available, we did not assign a membership probability.
- Accreting young stars show strong H$\alpha$ emission, well above the values expected from purely chromospheric activity in K and M type field dwarfs. If a star showed significant H$\alpha$ emission, above the locus for field dwarfs (White & Basri 2003), we assumed its likely a CTTS, and assigned it a high membership probability. If H$\alpha$ emission is weaker, we assigned low membership probability.
- Young stars often exhibit dramatic changes in their brightness, e.g. due to spots or accretion. We used the measured variability from time series analysis performed in the infrared (Morales-Calderón et al. 2009) and in $R$ and $I$ band (Sicilia-Aguilar et al. 2004, 2005). If significant variability is indicated both in $R$ and $I$, we assigned it high membership probability; if it is only variable in $R$, then we assigned medium membership probability; and otherwise we assigned it low membership probability.
- Clusters and T associations are also moving groups which allow us to use radial velocity (RV) and proper motion (PM) for membership analysis: if the RV is within 1 $\sigma$ of the mean value, then we assigned high membership probability; if the value is between 1 and 3 $\sigma$ from the mean, we assigned it medium membership probability; if it is more than 3 $\sigma$ from the mean, we

**Table 3**   Membership probability using the lithium absorption

| Spectral type earlier | EW(Li) [Å] for | | |
|---|---|---|---|
| than or equal to | h | m | l |
| G3 | > 0.15 | 0.15-0.05 | < 0.05 |
| G8 | > 0.2 | 0.2-0.1 | < 0.1 |
| K7 | > 0.3 | 0.3-0.2 | < 0.2 |
| M4 | > 0.2 | 0.2-0.1 | < 0.1 |
| M9 | > 0.15 | 0.15-0.1 | < 0.1 |
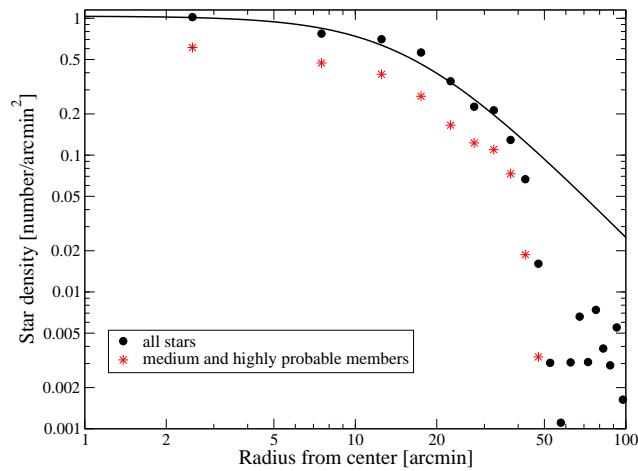


**Fig. 2**   The radial surface density with center at 21:39:06, 57:30:00.

assigned it low membership probability. The radial velocity determined by Sicilia-Aguilar et al. (2006b) is $-15 \pm 3.6$ km/s, using high resolution spectra ($R \sim 34000$) for the known cluster members. The cluster distance of 870 pc, however, implies small proper motion of the stars, so that it is difficult to exclude background stars. We adopt proper-motion membership probabilities based on the work of Marschall & van Altena (1987).
- Strong X-ray detection also implies high membership probability. The X-ray observation by Mercer et al. (2009) extracted only bright sources, so all those stars got high membership probability.

# 4   Analysis

The radial surface density of Trumpler 37 is shown in Fig. 2. The medium and highly probable members are distributed uniformly. We fitted the King model of form

$$\sigma = \frac{\sigma_0}{1 + (r/r_c)^2}$$

with the parameters core density $\sigma_0 = 1.037 \pm 0.060$ stars/arcmin$^2$ and core radius $r_c = 15.7 \pm 1.3$ arcmin.

The equivalent widths for lithium and H$\alpha$ are plotted against the spectral type in Fig. 3. All values are used as given in Table 2.

**Table 2** Literature data and membership probabilities for stars in Trumpler 37

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | Ṁ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV [c] | Ṁ [b] | X-ray | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M⊙/yr | erg/s | | | | | | | | | | | mag | M⊙ |
| 2 | | 93 | | | | | | | | | | | | | | | | h | | |
| 3 | | 0 | | | | | | | | | | | | | | | | l | | |
| 4 | | 92 | | | | | | | | | | | | | | | | h | | |
| 6 | | 9 | | | | | | | | | | | | | | | | l | | |
| 8 | | 94 | | | | | | | | | | | | | | | | h | | |
| 9 | | 90 | | | | | | | | | | | | | | | | h | | |
| 12 | | 37 | | | | | | | | | | | | | | | | l | | |
| 13 | | 89 | | | | | | | | | | | | | | | | h | | |
| 14 | | 0 | | | | | | | | | | | | | | | | l | | |
| 15 | | 79 | | | | | | | | | | | | | | | | h | | |
| 18 | | 14 | | | | | | | | | | | | | | | | l | | |
| 19 | | 78 | | | | | | | | | | | | | | | | h | | |
| 20 | 44.9[h] | 83 | | | | | | | | | | | l | | | | | h | | |
| ⋮ | | | | | | | | | | | | | | | | | | | | |
| 1410 | | | 0.3[c] | | -7[c] | -7.3[e] | 0 | | w[c] | | h | l | | l | | l | | | 1.04 | 0.2 |
| 1411 | | | 0.5[c] | | -4.8[e] | -5[c] | 0 | | w[c] | | h | l | | l | | l | h | | | |
| 1412 | -14.6[c] | | 0.5[c] | | -1.8[e] | -2[c] | 0.13 | | w[c] | | h | l | h | h | | l | h | | | |
| 1413 | | | | | -3[f] | | | | | | | l | | | | | | | 0.49 | 0.15 |
| 1414 | -42.8[c] | | 0.3[c] | | -5[c] | | 0 | | w(c)[c] | | h | h | l | l | | l | l | | | |
| 1415 | | | 1[c] | | -13[c] | -13.4[e] | 0.12: | | w(c)[c] | | h | h | | h | | l | l | | | |
| 1416 | -17.2[c] | | 0.4[c] | | -5[c] | | 1.6 | | c[c] | | h | h | h | h | | h | h | | 2.65 | 0.1 |
| 1417 | -19.9[c] | | 0.5[c] | 0.3[f] | -43[c] | -63[f] | 0.97-2.5 | | c[c] | | h | h | m | h | | h | h | | 1.18 | 0.1 |
| 1418 | | | 0.7[f] | 0.5[c] | -4[f] | -10[c] | 1.1 | | c[c] | | h | h | | h | | h | h | | 2.64 | 0.1 |
| 1419 | -15.4[c] | | 0.5[c] | | -28[c] | -33[c] | 16.2-13.2 | | c[c] | | h | h | h | h | | h | h | | 1.93 | 0.1 |
| 1420 | | | 0.5[e] | | -8[e] | | | | w[e] | | h | l | | | | l | | | 1.12 | 0.1 |
| 1421 | -9.9[c] | | 0.4[c] | | -18[c] | -23[c] | 0.8 | | c[c] | | h | h | m | h | | h | h | | 1.11 | 0.1 |
| 1422 | | | | | -80.8[e] | | | | c[e] | | | h | | | | h | h | | 1.53 | 0.1 |
| 1423 | | | 0.4[c] | | -3.9[c] | -4[c] | 0 | | w[c] | | h | l | | l | | l | l | | | |
| 1424 | | | 0.3[e] | | -7.2[e] | | | | w[e] | | h | l | | | | l | | | | |
| 1425 | | | 1.3[f] | 0.3[c] | -23[c] | -37[c] | <0.1 | | c[c] | | h | h | | m | | h | l | | 2.21 | 0.1 |
| 1426 | -68.2[c] | | | | -9[c] | | | | w[c] | | | h | l | | | l | h | | | |
| 1427 | -18.4[c] | | 0.6[c] | | -4[c] | -4.5[e] | 0 | | w[c] | | h | l | h | l | | h | h | | 0.39 | 0.2 |
| 1428 | -16.5[c] | | 0.2[c] | | -20[c] | -23[c] | | | c[c] | | m | h | h | | | h | l | | 1.52 | 0.1 |
| 1429 | -15.1[c] | | 0.6[c] | | -3.8[e] | -4[c] | 0.06 | | w[c] | | h | l | h | h | | l | l | | | |
| 1430 | | | 0.8[c] | | -11[c] | | 0 | | w(c)[c] | | h | h | | l | | l | l | | | |
| 1431 | | | 0.7[c] | | -4[c] | -8[f] | 0 | | w[c] | | h | l | | l | | l | h | | 0.02 | 0.1 |
| 1432 | -15.8[c] | | 0.6[f] | 0.5[c] | -2[c] | -17[c] | 0.81-3.3 | | c[c] | | h | h | h | h | | h | h | | 3.15 | 0.1 |
| 1433 | | | 0.7[c] | | -17[c] | | 0 | | w(c)[c] | | h | h | | l | | l | h | | | |
| 1434 | -15.6[c] | | 0.5[c] | | -1.5[e] | -2[c] | <0.1 | | w[c] | | h | l | h | m | | l | h | | | |
| 1435 | | | | | -13[c] | | 0 | | w(c:)[c] | | | h | | l | | l | l | | 0.11 | 0.1 |
| 1436 | -13.4[c] | | 0.9[f] | 0.6[c] | -13[c] | -30[c] | 0.88 | | c[c] | | h | h | h | h | | h | h | | 0.69 | 0.1 |
| 1437 | -25.2[c] | | | | | | | | w[c] | | | | m | | | | | | | |
| 1438 | -15.8[c] | | 0.6[e] | | -10[e] | | 0 | | w[c] | | h | h | h | l | | l | l | | | |
| 1439 | -15.7[c] | | 0.6[f] | 0.4[c] | -33[c] | -37[f] | 0.21 | | c[c] | | h | h | h | h | | h | | | 0.24 | 0.1 |
| 1440 | -19.1[c] | | 0.4[c] | | -2[c] | -7[f] | 0 | | w[c] | | h | l | m | l | | l | l | | | |
| 1441 | -16.9[c] | | 0.4[c] | | -8[c] | -11.3[e] | <0.1 | | c[c] | | h | h | h | m | | h | h | | 0.77 | 0.1 |
| 1442 | | | 0.7[c] | | -4.8[e] | -5[c] | 0 | | w[c] | | h | l | | l | | l | l | | 1.13 | 0.2 |
| 1443 | -117.9[c] | | | | -4[e] | | | | w w[c] | | | h | l | | | l | l | | 1.01 | 0.2 |

plus 1421 more stars in electronic table (at the end of the document: Table A2).

Remarks: The literature sources and numbering are the same as in Table 1, empty lines were omitted. The proper motion (PM) membership probability as it is given in [j]. If the literature gives more than one value for Li or Hα equivalent width, the minimal and maximal values are given, otherwise the value is written in the maximum columns. The mass accretion Ṁ is only from [c], the corrected X-ray luminosity only from [b]. Column TTS indicates a classical (c) or a weak (w) T Tauri star. If an additional T Tauri state follows in parentheses, the classification differs between low and high resolution spectra (see source literature for more details), colons indicate uncertainty.

The next to last column gives the re-calculated extinction as decribed in the text. The last column contains the masses deterninded by the models by Siess et al. (2000) from the infrared color-magnitude diagram (Fig. 7).

**The membership prediction:** h, m and l stand for high, medium and low membership probability, as a result of the following criteria:
· Lithium absorption: see Table 3.
· Hα emission: if spectral type earlier than K0 and EW(Hα)< 0 → h, if spectral type later than K0 we follow White & Basri (2003) to distingish between h and l.
· radial velocity (RV): if within $1\sigma$ (3.6 km/s) around $-15$ km/s → h, if within $3\sigma$ → m, otherwise l.
· Accretion: if $\dot{M} > 0.05 \cdot 10^{-8}$M⊙/yr → h, if $\dot{M} > 0 \cdot 10^{-8}$M⊙/yr → m, if $\dot{M} = 0 \cdot 10^{-8}$M⊙/yr → l.
· X-ray: [b] analyzed only bright X-ray sources with corrected luminosity $L_{x,c} > 0.75 \cdot 10^{30}$ erg/s, so all → h.
· Infrared excess: if excess visible in SEDs from Sicilia-Aguilar et al. (2006a), then h, otherwise l.
· Variability: if marked as "V" or "RI" in the source literature → h, if "I" → m, if marked as "N" or "No" → l.
· Proper motion: if $p \geq 75\%$ → h, if $p \geq 50\%$ → m, otherwise l.

**Fig. 3** The equivalent widths (EW) of Hα and lithium, depending on spectral type. Both values have been taken from the literature. If different EW are available, the range is given, otherwise only a dot. For lithium, the upper envelope of the Pleiades values (Soderblom et al. 1993) is also given.

**Table 4** Fit of the proper motion distribution with a Gaussian (mean $m$ and width $\sigma$) for two different star samples (Li: stars with lithium absorption, PM: stars with high membership probability from Marschall & van Altena (1987)).

| | RA | | DEC | |
| | mean $m$ | width $\sigma$ | mean $m$ | width $\sigma$ |
| Sample | [mas/yr] | [mas/yr] | [mas/yr] | [mas/yr] |
|---|---|---|---|---|
| Li & Hα | -3.30 (20) | 4.17 (20) | -5.62 (28) | 4.56 (28) |
| PM | -4.69 (12) | 3.77 (12) | -2.18 (13) | 4.39 (13) |

The distribution of the PPMXL proper motion of two subsamples of Trumpler 37 is shown in Fig. 4: the proper motion analysis from Marschall & van Altena (1987) investigated brighter stars, while the search for lithium absorption and Hα emission is much more sensitive to the late-type spectral types and therefore to fainter stars. The distributions in Fig. 4 are similar. Table 4 gives the parameters of their fitting with Gaussian (mean $m$ for the center and width $\sigma$ of the histogram).

The radial velocity distribution of all stars is plotted in Fig. 5. For this purpose data from Sicilia-Aguilar et al. (2006b) and Contreras et al. (2002) were used. We fitted the radial velocity distribution by Gaussian with parameters: center at 15.3 km/s and width of 3.6 km/s. They are almost the same as those obtained by Sicilia-Aguilar et al. (2006b): $-15.0$ km/s and 3.6 km/s.

For the stars with known spectral types, we re-calculated the extinction by means of the infrared color-color diagram (Fig. 6), using 2MASS *JHK*. We corrected the excess from circumstellar dust. We used the law from Rieke & Lebofsky (1985) and intrinsic colors from Kenyon & Hartmann (1995). For 103 out of 423 stars we got unphysical extinctions values ($A_V < 0$). Stars with $A_V < 0$ or lying left of the main sequence could be variable stars. Using a $3\sigma$ threshold, 80 stars show infrared excess. The median and average extinctions of the cluster members are correspond-
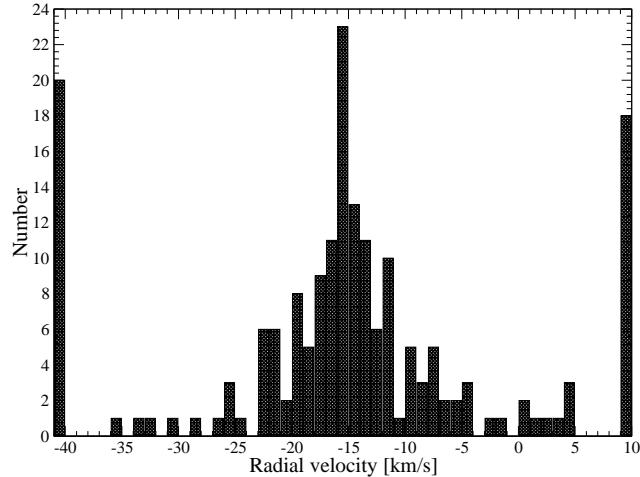


**Fig. 5** The radial velocity distribution for all stars in Table 2. Values outside -40 km/s and 9 km/s are binned together, resulting in the strong signals at the edges.

ingly 0.9 and 1.2 mag. The extinctions are listed in Table 2. The open circles in Fig. 6 show the correction done only with the literature extinction, resulting in big deviations from the intrinsic colors.

The color-magnitude diagram (Fig. 7) was created with the derived extinction. The 2MASS photometry was corrected for distance, excess and extinction, meaning all stars with known spectral type and re-calculated extinction are plotted. Assuming the previously derived distance of 870 pc, our results are consistent with an age younger than 10 Myr. Only 12% of the stars lie below the 5 Myr isochrone.

The masses of these young stars were determined using the corrected 2MASS magnitudes and the theoretical tracks from Siess, Dufour & Forestini (2000). The masses are listed in the last column of Table 2.
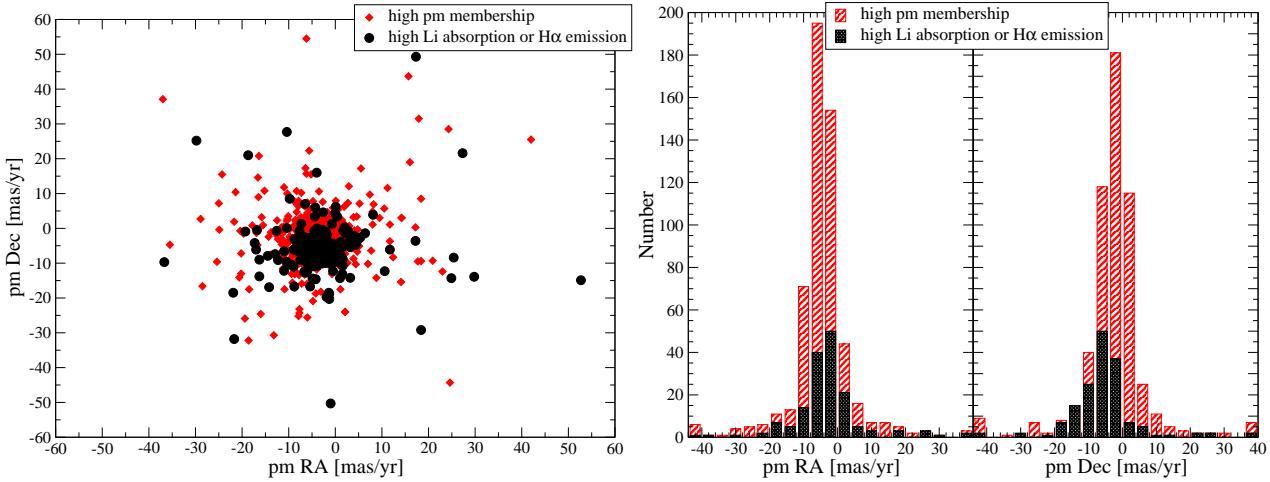
**Fig. 4** The PPMXL proper motion as 2 dimensional distribution and in the histogram form. The black circles and the black histograms correspond to the high probable member stars from lithium absorption or Hα emission, the red diamonds and the red, shaded histograms to the high probable member stars from Marschall & van Altena 1987. Stars outside ±40 km/s are binned together.
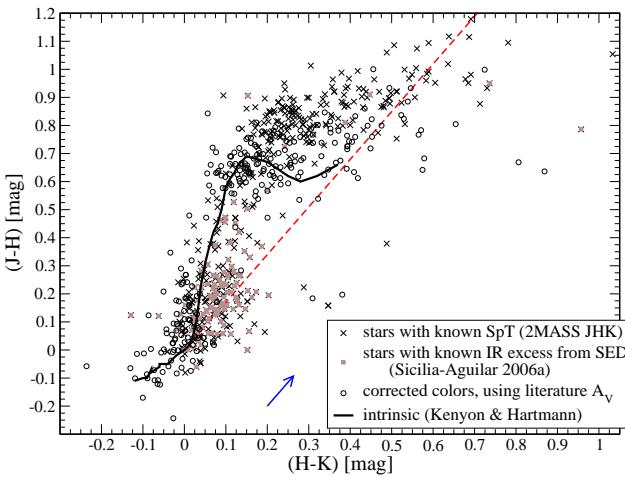


**Fig. 6** The color-color-diagram from the 2MASS magnitudes. Additionally, stars with known infrared excess are marked with grey squares. The blue arrow shows the reddening vector of 1 mag (Rieke & Lebofsky 1985). The intrinsic colors of the main sequence are from Kenyon & Hartmann (1995). Stars to the lower right of the diagonal (dashed, red line) have circumstellar excess. The open circles show the correction with the literature extinction.
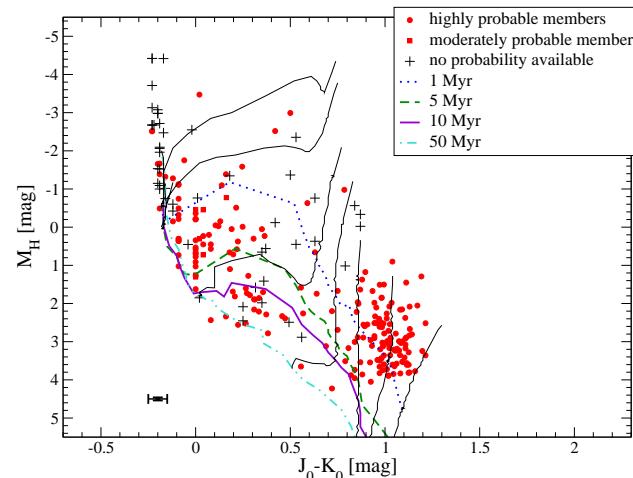


**Fig. 7** Dereddened infrared color-magnitude diagram: The 2MASS magnitudes were adjusted for the excess and our fitted extinction (using the interstellar extinction law from Rieke & Lebofsky 1985). The absolute $H$ brightness was calculated for the cluster distance of 870 pc. Additional model data from Siess et al. (2000) are included: the 1, 5, 10, and 50 Myr isochrones and the evolutionary tracks for 0.1, 0.2, 0.5, 1, 2, 5, and 7 $M_\odot$. The mean error is shown in the lower left.

We could plot an initial mass function of these masses (Fig. 8). We fitted the power-law index $\alpha$ from equation $dN = k \cdot m^{-\alpha} dm$, with constant $k$, following the typical zoning with changes of $\alpha$ at 0.08 and 0.5 $M_\odot$. We skipped the obviously incomplete mass regime of $0.5 - 0.8\,M_\odot$ for the fit and therefore also no continuity was applied. We found, comparing to Kroupa (2007), a higher value of $\alpha = 1.90 \pm 0.44$ $(0.1 - 0.4\,M_\odot)$ and an unusual low value of $\alpha = 1.12 \pm 0.37$ $(1 - 10\,M_\odot)$. It indicates that our sample may not be complete at the intermediate mass regime.

## 5  Results

We found data for 1872 different stars which were studied in the context of Trumpler 37; membership was investigated for 1402 stars. Of these, 774 have a high membership probability in terms of at least one criterion; 125 stars have a medium, and 503 stars a low probability of being member of Trumpler 37. We re-calculated the extinction. Our color-magnitude diagram is consistent with the best values for the age in the literature of 3-5 Myr and distance of $\sim$ 870 pc.
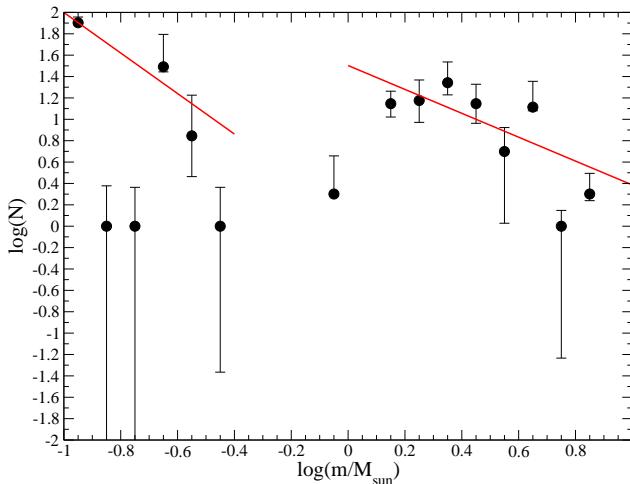
**Fig. 8** Initial mass function (IMF) of the Trumpler 37 high and medium member stars with known spectral type in the literature. The points represent bins in the masses from Table 2, with a width of 0.1 on a log scale. The IMF was fitted with the power-law index $\alpha = 1.12 \pm 0.37$ in the range of $0.0 < \log(m/M_\odot) < 1.0$ and with $\alpha = 1.90 \pm 0.44$ in the range of $-1.0 < \log(m/M_\odot) < -0.4$.

The unusual power-law index demands a search for more cluster members.

In the upcoming papers we will present planetary transit candidates and other results from variability studies. In future work we will also try to improve the knowledge of the cluster properties by homogeneous photometric and spectroscopic analysis including narrow-band photometry.

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# A Full tables

**Table A1 Literature data for stars in Trumpler 37**

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ MVA [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 21:36:46.57 | 57:11:25.4[r] | 2 | 3002 | | | | 14.7[j] | | | 11.532 (24) | 10.787 (28) | 10.583 (20)[r] | | | -3.2 (4.1) | -2.4 (4.1) | -11.3 (6.8) | 0.1 (6.8) | | | |
| 2 | 21:36:44.78 | 57:11:53.0[r] | 3 | 3003 | | | | 13.9[j] | | | 12.647 (27) | 12.547 (37) | 12.452 (29)[r] | | | -10.4 (4.1) | 2.2 (4.1) | -30.9 (6.8) | 12.1 (6.8) | -0.17 | 0.05 | |
| 3 | 21:36:42.64 | 57:13:01.0[r] | 4 | 3004 | | | | 13.3[j] | | | 11.880 (27) | 11.530 () | 11.445 ()[r] | | | | | | | 3.15 | -4.9 | |
| 4 | 21:36:20.30 | 57:12:55.9[r] | 5 | 3005 | | | | 13.6[j] | | | 11.562 (26) | 11.227 (28) | 11.101 (20)[r] | | | -8.2 (4.1) | 1.9 (4.1) | -11.9 (6.8) | 6.6 (6.8) | 0.13 | -0.23 | |
| 5 | 21:36:29.82 | 57:12:48.0[j] | 6 | 3006 | | | | 14.6[j] | | | | | | | | | | | | | | no/faint star |
| 6 | 21:36:41.77 | 57:13:40.8[r] | 7 | 3007 | | | | 13.9[j] | | | 10.779 (26) | 10.051 (27) | 9.849 (23)[r] | | | -0.3 (5.1) | 5.3 (5.1) | -8.2 (7.1) | 41.1 (7.2) | 0.01 | 0.75 | |
| 7 | 21:36:40.66 | 57:13:39.2[r] | 8 | 3008 | | | | 15[j] | | | 12.718 (28) | 12.333 (41) | 12.227 (29)[r] | | | -19.4 (4.1) | -6.3 (4.1) | -70.6 (7.1) | -5.5 (7.1) | | | |
| 8 | 21:36:46.12 | 57:12:53.3[r] | 9 | 3009 | | | | 14.8[j] | | | 12.685 (26) | 12.395 (30) | 12.256 (25)[r] | | | -3.9 (4.1) | -10.2 (4.1) | -6.6 (6.8) | -29.3 (6.8) | 0.1 | -0.13 | |
| 9 | 21:36:47.04 | 57:13:01.7[r] | 10 | 3010 | | | | 14.5[j] | | | 12.718 (26) | 12.458 (31) | 12.361 (25)[r] | | | 2.7 (4.1) | 7.3 (4.1) | 5.2 (7.6) | 13.9 (7.6) | -0.12 | 0.26 | |
| 10 | 21:36:50.76 | 57:12:41.4[r] | 11 | 3011 | | | | 14.9[j] | | | 12.423 (31) | 12.017 (32) | 11.878 (25)[r] | | | -13 (4.1) | 6.5 (4.1) | -23.2 (6.9) | 28.7 (7) | | | |
| 11 | 21:36:27.84 | 57:14:05.7[r] | 12 | 3012 | | | | 14.9[j] | | | 11.658 (25) | 11.039 (27) | 10.860 (21)[r] | | | -37.1 (4.1) | -55.6 (4.1) | -32.8 (6.8) | -50.7 (6.8) | | | |
| 12 | 21:36:32.90 | 57:14:20.1[r] | 13 | 3013 | | | | 13.6[j] | | | 12.133 (28) | 11.785 (33) | 11.716 (28)[r] | | | -8.9 (4.1) | -18.9 (4.1) | 1.6 (7) | -59.8 (7) | 0.65 | -0.37 | |
| 13 | 21:36:32.90 | 57:14:52.2[r] | 14 | 3014 | | | | 13.4[j] | | | 11.662 (26) | 11.384 (28) | 11.279 (23)[r] | | | -6 (4.1) | 0.4 (4.1) | -10.8 (6.8) | 17.5 (6.8) | 0.22 | -0.28 | |
| 14 | 21:36:55.07 | 57:15:23.6[r] | 15 | 3015 | | | | 13.8[j] | | | 12.213 (22) | 11.835 (28) | 11.769 (21)[r] | | | -0.1 (4.1) | 11.4 (4.1) | -1.3 (6.8) | 11.3 (6.8) | -0.85 | 1.14 | |
| 15 | 21:36:55.96 | 57:13:39.7[r] | 16 | 3016 | | | | 14.8[j] | | | 10.627 (24) | 9.679 (28) | 9.406 (21)[r] | | | -3.6 (5.1) | -2.3 (5.1) | -13.7 (6.9) | 1.6 (6.9) | 0.32 | 0.17 | |
| 16 | 21:36:58.46 | 57:13:46.0[r] | 17 | 3017 | | | | 15[j] | | | 12.959 (22) | 12.565 (28) | 12.481 (25)[r] | | | -3.4 (4.1) | 9.5 (4.1) | 0 (6.8) | 7.7 (6.8) | | | |
| 17 | 21:36:46.85 | 57:17:11.5[r] | 18 | 3018 | | | | 15[j] | | | 12.827 (27) | 12.484 (33) | 12.370 (28)[r] | | | -2.6 (4.1) | 3 (4.1) | 3.6 (6.8) | 9.8 (7) | | | |
| 18 | 21:36:35.45 | 57:17:33.0[r] | 19 | 3019 | | | | 14.3[j] | | | 12.236 (24) | 11.890 (28) | 11.817 (24)[r] | | | -10.1 (4.1) | 2.5 (4.1) | -14.5 (7.4) | 8.7 (7.4) | 0.74 | 0.04 | |
| 19 | 21:36:30.67 | 57:19:25.5[r] | 20 | 3020 | | | | 12.6[j] | | | 11.613 (24) | 11.496 (31) | 11.367 (23)[r] | | | -5.8 (4.1) | 0.2 (4.1) | -5.1 (2.3) | -5.4 (2.1) | 0.05 | -0.43 | |
| 20 | 21:36:41.27 | 57:18:43.6[r] | 22 | 3022 | | | 16.13[l] | 14.53[i] | 13.63 | 12.75[i] | 11.284 (24) | 10.614 (28) | 10.357 (21)[r] | | | -6.3 (4.1) | -1.7 (4.1) | -18.3 (6.8) | 0.3 (6.8) | 0.39 | -0.01 | |
| 21 | 21:36:46.24 | 57:18:47.6[r] | 23 | 3023 | | 15.66[l] | 15.3[h] | 14.42[h] | 13.9 | 13.4[i] | 12.685 (26) | 12.411 (31) | 12.302 (26)[r] | F6[h] | 1.31[h] | -7.4 (4.1) | -0.5 (4.1) | -0.9 (6.8) | 6.8 (6.8) | 0.25 | 0.06 | Dec [h] imprec. |
| 22 | 21:36:50.20 | 57:19:07.2[r] | 24 | 3024 | | | | 14.4[j] | | | 8.750 (27) | 7.551 (42) | 7.140 (21)[r] | | | -4.6 (5.1) | 0.9 (5.1) | -18.3 (6.7) | 5 (6.7) | | | |
| 23 | 21:36:50.49 | 57:18:15.0[r] | 25 | 3025 | | | 14.55[l] | 12.42[l] | | | 8.164 (23) | 7.239 (34) | 6.914 (31)[r] | | | -4.7 (13.8) | 2.8 (13.8) | -1.8 (7.8) | 0.8 (7.8) | -0.32 | 0.21 | |
| 24 | 21:37:00.18 | 57:18:27.1[r] | 26 | 445 | | | | 11.8[j] | | | 11.102 (21) | 10.989 (28) | 10.930 (21)[r] | B8[q] | | -6.5 (13.3) | 3.4 (13.3) | -4 (1.2) | -1.3 (1.1) | -0.35 | 0.32 | |
| 25 | 21:36:55.01 | 57:19:43.2[r] | 27 | 3027 | | | | 14.7[j] | | | 12.806 (24) | 12.394 (32) | 12.264 (24)[r] | | | 14.6 (4.1) | -2.7 (4.1) | 10.2 (6.8) | -0.8 (6.8) | | | |
| 26 | 21:37:01.56 | 57:19:47.3[r] | 28 | 3028 | | | | 13.8[j] | | | 11.048 (22) | 10.404 (28) | 10.179 (21)[r] | | | 5.1 (4.1) | 9.7 (4.1) | 14.7 (6.8) | 15.4 (6.8) | -1.43 | 1.09 | |
| 27 | 21:37:08.60 | 57:18:03.3[r] | 29 | 3029 | | | | 13.7[j] | | | 12.380 (21) | 12.181 (27) | 12.113 (24)[r] | | | -3.5 (4.1) | 3.5 (4.1) | 20 (6.8) | -8.4 (6.8) | 0.12 | 0.14 | |
| 28 | 21:37:10.54 | 57:18:39.9[r] | 30 | 3030 | | | | 14.7[j] | | | 11.413 (22) | 10.619 (27) | 10.465 (20)[r] | | | -5.6 (4.1) | 1 (4.1) | -7.6 (6.8) | -6.1 (6.8) | -0.22 | 0.33 | |
| 29 | 21:36:34.30 | 57:20:53.6[r] | 31 | 3031 | | | | 14.8[j] | | | 10.745 (22) | 9.736 (29) | 9.435 (21)[r] | | | -12 (5.1) | -1.1 (5.1) | -13.3 (6.8) | 3 (6.9) | | | |
| 30 | 21:36:14.23 | 57:21:30.9[r] | 32 | 3032 | | | 12.87[f] | 12.24[e] | | | 10.388 (32) | 10.033 (37) | 9.623 (26)[r] | | 1.6[e] | -13.8 (5.7) | -7.5 (5.2) | -4.2 (14.8) | -4.3 (9.2) | -0.17 | 0.36 | near 31, [h] imprec. |
| 31 | 21:36:14.62 | 57:21:34.7[r] | 33 | 3033 | | | | 14.3[j] | | | 11.857 (28) | 11.366 (39) | 11.174 (25)[r] | | | | | | | 0.1 | 0.35 | near 30 |
| 32 | 21:36:28.65 | 57:22:53.7[r] | 34 | 3034 | | | | 14.3[j] | | | 12.502 (32) | 12.196 (39) | 12.119 (29)[r] | | | 12.4 (4.1) | 18.1 (4.1) | 47 (6.7) | 33.3 (6.8) | -0.01 | 0.44 | |
| 33 | 21:36:37.70 | 57:23:23.0[r] | 35 | 3035 | | | | 15.1[j] | | | 10.643 (22) | 9.660 (31) | 9.288 (21)[r] | | | -9.5 (5.1) | -4.2 (5.1) | -12.9 (6.8) | 3.8 (6.8) | | | |
| 34 | 21:36:41.91 | 57:23:30.1[r] | 36 | 3036 | | | | 14.9[j] | | | 12.759 (22) | 12.417 (32) | 12.267 (24)[r] | | | -15.1 (4.1) | -11.8 (4.1) | -20.6 (6.9) | -4.2 (6.8) | | | |
| 35 | 21:36:52.65 | 57:22:53.9[r] | 37 | 3037 | | | | 15.1[j] | | | 13.502 (26) | 13.233 (36) | 13.061 (34)[r] | | | -2.7 (4.1) | 0.2 (4.1) | -4.9 (7) | 3.8 (6.9) | | | |
| 36 | 21:36:58.51 | 57:23:25.8[r] | 38 | 3038[a] | 11-1209 | 17.70[f] | | 15.41[e] | 14.52 | 13.59[e] | 12.200 (24) | 11.433 (32) | 11.122 (22)[r] | K6[c] | 0.7[e] | -8.8 (4.1) | -3.1 (4.1) | -16.9 (6.8) | 27.6 (6.9) | | | 2 [m] combined |
| 37 | 21:37:02.28 | 57:22:39.0[r] | 40 | 3040 | | | | 14.9[j] | | | 12.546 (23) | 12.038 (30) | 11.907 (24)[r] | | | -6.3 (4.1) | 8.7 (4.1) | -6.3 (6.8) | 12.9 (6.8) | | | |
| 38 | 21:37:11.93 | 57:22:57.3[r] | 41 | 3041 | | | | 14.8[j] | | | 12.985 (26) | 12.620 (32) | 12.558 (29)[r] | | | -1.8 (4.1) | 3.6 (4.1) | -6.2 (6.8) | 4.1 (6.8) | | | |
| 39 | 21:36:22.34 | 57:25:46.2[r] | 43 | 3043 | | | | 14.3[j] | | | 12.303 (22) | 12.027 (31) | 11.853 (23)[r] | | | -5.7 (4.1) | 1.1 (4.1) | -2.5 (6.7) | 12.3 (6.7) | -0.64 | 0.45 | |
| 40 | 21:36:26.61 | 57:26:11.7[r] | 44 | 3044 | | | | 14.5[j] | | | 12.731 (22) | 12.389 (28) | 12.254 (24)[r] | | | 19.6 (4.1) | -28.3 (4.1) | 8.6 (6.8) | -15.4 (6.7) | | | |
| 41 | 21:36:39.36 | 57:26:02.5[r] | 45 | 439 | | | | 12.6[j] | | | 10.866 (24) | 10.689 (31) | 10.618 (21)[r] | A0[q] | | -1.7 (11.4) | -5.8 (11.4) | -6.8 (1.4) | -4.3 (1.4) | -0.1 | 0.01 | |
| 42 | 21:36:49.05 | 57:25:18.4[r] | 49 | 3049 | | | | 12.7[j] | | | 11.686 (24) | 11.445 (33) | 11.326 (23)[r] | | | -8.6 (4.1) | -1.3 (4.1) | -6.3 (7) | 15.1 (7) | 0.29 | -0.59 | |
| 43 | 21:36:48.79 | 57:24:40.8[r] | 50 | 3050 | | | | 14.8[j] | | | 12.925 (27) | 12.619 (31) | 12.506 (28)[r] | | | -1 (4.1) | 1.9 (4.1) | 1.9 (6.8) | 12.7 (6.8) | | | |
| 44 | 21:36:54.09 | 57:25:11.0[r] | 51 | 3051 | | | | 14.9[j] | | | 11.632 (22) | 10.904 (31) | 10.714 (21)[r] | | | -1.4 (4.1) | 0.3 (4.1) | -1.2 (6.8) | 12.2 (6.8) | | | |
| 45 | 21:36:55.66 | 57:24:32.8[r] | 52 | 3052 | | | | 14.2[j] | | | 12.415 (24) | 12.116 (28) | 12.034 (24)[r] | | | -2.8 (4.1) | 4.8 (4.1) | 2.5 (6.8) | 11.5 (6.8) | -0.62 | 0.91 | |
| 46 | 21:37:02.23 | 57:24:51.1[r] | 53 | 3053 | | | | 13.2[j] | | | 10.406 (23) | 9.672 (30) | 9.490 (23)[r] | | | 0.9 (5.4) | -1.6 (5.4) | 4.1 (6.9) | 10.1 (6.9) | 0.09 | -0.43 | |
| 47 | 21:36:14.20 | 57:27:38.0[r] | 54 | 3054 | | | | 13.5[j] | | | 10.088 (22) | 9.226 (28) | 8.960 (20)[r] | | | -5.1 (5.3) | -3.9 (5.3) | | | -0.28 | 0.34 | [m] imprec. |

[a] also 4603

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | $U$ | $B$ | $V$ | $R$ | $I$ | $J$ | $H$ | $K$ | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss J2000 | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 48 | 21:36:46.81 | 57:27:54.4[r] | 57 | 3057 | | | | 14.4[j] | | | 12.218 (26) | 11.756 (32) | 11.582 (25)[r] | | | | -7.8 (4) | 4.1 (4) | -43.8 (7.4) | 36.4 (7.5) | | | |
| 49 | 21:36:53.95 | 57:27:58.8[r] | 58 | 3058 | | | | 14.7[j] | | | 12.042 (28) | 11.483 (39) | 11.326 (23)[r] | | | | -7.4 (4) | 5.8 (4) | -12.5 (7.3) | 21.7 (7.3) | -0.42 | 0.23 | |
| 50 | 21:36:41.04 | 57:30:08.3[r] | 59 | 441 | | 9.43[l] | 9.84[l] | 9.5[l] | | | 8.723 (24) | 8.696 (42) | 8.627 (20)[r] | B2.5-3[p] | IV-V[p] | | -0.3 (1.3) | -5 (1.2) | -4 (0.8) | -4.9 (0.6) | -0.7 | -0.07 | |
| 51 | 21:36:50.72 | 57:31:10.7[r] | 60 | 3060 | | 16.20[l] | 15.12[l] | 13.41[i] | 12.35 | 11.28[i] | 9.639 (21) | 8.908 (44) | 8.589 (21)[r] | | | | -1.7 (4.9) | 2.2 (4.9) | | | -0.01 | -0.12 | same star |
| 52 | 21:36:18.17 | 57:32:40.4[r] | 61 | 3061 | | | | 13.6[j] | | | 12.019 (22) | 11.778 (28) | 11.688 (23)[r] | | | | -0.1 (4) | -2.1 (4) | -9.5 (7) | 4.2 (6.8) | -0.35 | 0.17 | |
| 53 | 21:36:36.91 | 57:34:06.0[r] | 63 | 440 | | 11.26[l] | 11.51[l] | 11.03[e] | 10.73 | 10.38[i] | 9.887 (22) | 9.745 (26) | 9.692 (20)[r] | B4[e] | | 2[e] | -0.9 (2) | 0.4 (2) | -4.1 (0.7) | -2.2 (0.9) | -0.06 | -0.01 | |
| 54 | 21:36:23.12 | 57:35:02.0[r] | 65 | 3065 | | | | 13.8[j] | | | 11.863 (24) | 11.515 (29) | 11.389 (22)[r] | | | | -6.4 (3.8) | -5.3 (3.8) | -15.2 (6.7) | -4.6 (6.8) | 0.5 | -0.4 | |
| 55 | 21:36:15.34 | 57:35:28.3[r] | 66 | 3066 | | | | 10.5[j] | | | 9.468 (23) | 9.171 (26) | 9.124 (22)[r] | | | | 8.2 (2) | 20.6 (2) | 4.9 (0.7) | 13.6 (1.7) | -0.79 | 1.25 | |
| 56 | 21:36:25.53 | 57:36:00.7[r] | 67 | 436 | | | | 10.9[j] | | | 9.199 (21) | 8.583 (26) | 8.418 (22)[r] | A0[q] | | | 9.2 (2) | 8.8 (2) | 4.9 (1.2) | -0.3 (0.8) | -0.98 | 0.04 | |
| 57 | 21:36:26.53 | 57:37:00.7[r] | 68 | 437 | | | | 10.7[j] | | | 8.325 (20) | 7.698 (29) | 7.513 (15)[r] | G8[q] | | | -11.4 (10.7) | 14 (10.7) | -5.8 (1.3) | 6 (1.2) | 0.33 | 0.56 | |
| 58 | 21:36:37.54 | 57:35:24.9[r] | 69 | 3069 | | | | 14.8[j] | | | 12.522 (23) | 12.132 (28) | 11.993 (25)[r] | | | | 36 (7.9) | -69.1 (7.9) | 16.8 (6.9) | -13 (6.9) | | | |
| 59 | 21:36:48.70 | 57:35:31.4[r] | 70 | 3070[a] | | 14.20[l] | 14.03[l] | 13.44[l] | | | 12.183 (23) | 12.047 (28) | 11.993 (25)[r] | F0[q] | | | 11.2 (11.4) | 11.6 (11.4) | 8.6 (6.8) | 23.5 (6.8) | -0.13 | 0.14 | |
| 60 | 21:36:47.86 | 57:35:02.1[r] | 71 | 442 | | 8.33[l] | 8.91[l] | 8.64[l] | | | 8.037 (19) | 8.097 (51) | 8.068 (27)[r] | B2[p] | IV-V[p] | | -2.8 (1.3) | -3.3 (1.3) | -4.7 (0.8) | -4.2 (0.8) | -0.17 | -0.27 | |
| 61 | 21:36:55.91 | 57:33:43.6[r] | 72 | 3072 | | | | 15[j] | | | 12.550 (35) | 12.146 (41) | 11.961 (30)[r] | | | | | | | | | | |
| 62 | 21:36:55.42 | 57:33:49.0[r] | 73 | 3073 | | | | 15.1[j] | | | 11.528 (36) | 10.798 (40) | 10.530 (28)[r] | | | | -1.4 (5.3) | -2.5 (5.3) | | | | | |
| 63 | 21:36:59.76 | 57:34:23.7[r] | 74 | 3074 | | | | 12.5[j] | | | 11.120 (22) | 10.841 (28) | 10.757 (21)[r] | | | | -13.4 (4) | -2.4 (4) | -9.1 (2.6) | -7 (1.1) | 0.52 | -0.58 | |
| 64 | 21:37:02.32 | 57:35:36.7[r] | 75 | 3075 | | | | 13.8[j] | | | 11.881 (22) | 11.586 (27) | 11.468 (23)[r] | | | | -13.6 (3.8) | -7.3 (3.8) | -7.8 (6.8) | 3.4 (6.9) | 0.5 | -0.52 | |
| 65 | 21:36:47.91 | 57:36:36.4[r] | 77 | 3077 | | | | 15[j] | | | 13.002 (66) | 12.665 () | 12.553 ()[r] | | | | -8.9 (3.8) | -4.7 (3.8) | -0.6 (7.5) | -8.2 (7.5) | | | |
| 66 | 21:36:57.24 | 57:37:14.0[r] | 78 | 3078 | | | | 13.8[j] | | | 16.525 (132) | 15.508 () | 14.958 ()[r] | | | | -0.8 (5.7) | -17.2 (5.7) | | | | | no star |
| 67 | 21:36:28.71 | 57:37:20.1[r] | 79 | 3079 | | | | 15[j] | | | 12.981 (21) | 12.578 (25) | 12.492 (22)[r] | | | | 4.9 (3.8) | -3.9 (3.8) | 7.6 (7.4) | -11 (7.5) | | | |
| 68 | 21:36:31.19 | 57:37:47.8[r] | 80 | 3080 | | | | 13.6[j] | | | 10.608 (21) | 9.857 (26) | 9.657 (22)[r] | | | | -3 (4.7) | -4.2 (4.7) | -4.5 (7.4) | -5.1 (7.4) | 0.33 | -0.23 | |
| 69 | 21:36:23.83 | 57:38:05.4[r] | 81 | 435 | | 12.16[l] | 12[f] | 11.51[e] | | | 10.427 (24) | 10.325 (31) | 10.269 (23)[r] | A0[e] | | 1.5[e] | 3 (2.7) | -3.2 (2.7) | -3.5 (1.4) | -2.9 (2.3) | -0.23 | -0.11 | |
| 70 | 21:36:56.12 | 57:37:32.8[r] | 82 | 3082 | | | | 15.2[j] | | | | | | | | | | | | | | | no/faint star |
| 71 | 21:36:53.24 | 57:38:05.6[r] | 83 | 3083 | | | | 13.9[j] | | | 12.343 (23) | 12.133 (31) | 12.022 (23)[r] | | | | -11.1 (4) | 0.5 (4) | -18.9 (7.4) | -22.8 (7.4) | -0.02 | 0.05 | |
| 72 | 21:36:30.04 | 57:39:09.9[r] | 84 | 3084 | | | | 13.4[j] | | | 11.044 (23) | 10.440 (29) | 10.322 (22)[r] | | | | -3.4 (4) | -2.8 (4) | -2.9 (7.4) | -9.3 (7.4) | 0.1 | -0.18 | |
| 73 | 21:36:25.52 | 57:39:22.4[r] | 85 | 3085 | | | | 13.9[j] | | | 10.935 (23) | 10.241 (26) | 10.063 (22)[r] | | | | -11.7 (4) | -4.7 (4) | -14.7 (7.3) | -7 (7.3) | 0.97 | -0.2 | |
| 74 | 21:36:27.37 | 57:39:34.5[r] | 86 | 438 | | 13.32[l] | 12.89[h] | 12.26[h] | | | 10.963 (24) | 10.763 (28) | 10.684 (22)[r] | A7[h] | | 1.37[h] | -5.9 (3.8) | -1.1 (3.8) | -8.6 (1) | -4.3 (1.1) | 0.25 | -0.34 | |
| 75 | 21:36:15.97 | 57:39:26.9[r] | 87 | 3087 | | | | 13.6[j] | | | 12.158 (23) | 11.964 (31) | 11.802 (22)[r] | | | | -11.5 (4) | -1.7 (4) | -8.6 (7.4) | -14.5 (7.5) | 0.21 | -0.09 | |
| 76 | 21:36:16.00 | 57:40:16.3[r] | 88 | 3088 | | | | 13.7[j] | | | 12.177 (28) | 12.023 (29) | 11.889 (26)[r] | | | | 2.9 (3.8) | 12.1 (3.8) | 50.6 (7.1) | 50.5 (7.1) | 0.22 | -0.03 | |
| 77 | 21:36:47.90 | 57:40:32.2[r] | 89 | 3089 | | | 15.81[h] | 14.66[h] | | | 12.794 (26) | 12.417 (36) | 12.343 (23)[r] | F4[h] | | 2.37[h] | -1.6 (3.8) | 1 (3.8) | -5.3 (7.9) | 12.5 (7.4) | -0.7 | 0.34 | |
| 78 | 21:36:48.26 | 57:39:18.5[r] | 90 | 443 | | | | 10.4[j] | | | 8.318 (18) | 7.818 (36) | 7.664 (17)[r] | | | | -5 (2) | -7.7 (2) | -5.7 (0.9) | -6.1 (1.6) | 0.16 | -0.5 | |
| 79 | 21:36:43.56 | 57:41:13.4[r] | 91 | 3091 | | | | 14.7[j] | | | 12.565 (24) | 12.104 (28) | 12.043 (23)[r] | | | | 1.2 (3.8) | -2.5 (3.8) | 1.8 (7.4) | -7.6 (7.3) | | | |
| 80 | 21:36:36.10 | 57:41:52.0[r] | 92 | 3092 | | | | 14.9[j] | | | 12.610 (24) | 12.062 (31) | 11.906 (23)[r] | | | | -1.3 (3.8) | 1.6 (3.8) | -1.5 (7.3) | 1.9 (7.3) | | | |
| 81 | 21:36:34.96 | 57:42:02.6[r] | 93 | 3093 | | | | 14.1[j] | | | 11.885 (23) | 11.373 (28) | 11.274 (22)[r] | | | | 7.8 (4) | 18.5 (4) | 15.6 (7.3) | 11.5 (7.4) | -1.01 | 2.1 | |
| 82 | 21:36:27.89 | 57:42:08.5[r] | 94 | 3094 | | | | 14.9[j] | | | 12.222 (24) | 11.413 (28) | 11.203 (22)[r] | | | | -8 (4.1) | -2.4 (4.1) | -7.9 (7.8) | -11.2 (7.9) | | | |
| 83 | 21:36:27.18 | 57:43:42.1[r] | 95 | 3095 | | 14.11[l] | 14.22[h] | 13.5[h] | | | 11.782 (23) | 11.576 (29) | 11.463 (22)[r] | B2[h] | | 2.93[h] | 8 (4) | 4.8 (4) | 62.3 (7.3) | 32.1 (7.3) | -0.26 | 0.02 | |
| 84 | 21:36:32.96 | 57:43:36.9[r] | 96 | 3096 | | | | 14.8[j] | | | 12.597 (24) | 12.238 (29) | 12.125 (26)[r] | | | | -7.4 (3.8) | 1.5 (3.8) | -30.2 (7.4) | 20.8 (7.4) | -0.12 | 0.52 | |
| 85 | 21:36:34.85 | 57:43:18.5[r] | 97 | 3097 | | | | 12.7[j] | | | 9.848 (23) | 9.248 (28) | 9.046 (22)[r] | | | | -51.8 (4.7) | 60.9 (4.7) | -49.2 (7.4) | 65.2 (7.3) | 4.14 | 7.32 | [m] imprec. |
| 86 | 21:36:50.55 | 57:44:42.1[j] | 98 | 3098 | | | | 14.5[j] | | | | | | | | | | | | | | | no star |
| 87 | 21:36:56.24 | 57:44:10.4[r] | 99 | 3099 | | | | 15.3[j] | | | 12.697 (24) | 11.908 (29) | 11.691 (23)[r] | | | | -0.8 (3.8) | -6.3 (3.8) | -12.5 (7.7) | -11.5 (7.9) | | | |
| 88 | 21:36:55.35 | 57:43:52.9[r] | 100 | 3100 | | | | 13.4[j] | | | 11.912 (23) | 11.439 (28) | 11.389 (22)[r] | | | | 2.1 (3.8) | 10.1 (3.8) | -1.3 (7.5) | 13.1 (7.5) | -0.95 | 1.57 | |
| 89 | 21:36:51.36 | 57:41:45.5[r] | 101 | 444 | | | | 10.9[j] | | | 9.780 (23) | 9.400 (28) | 9.330 (20)[r] | G2[q] | | | -30.1 (2) | -27.7 (2) | -34.4 (0.7) | -24.5 (1.6) | 2.95 | -2.33 | |
| 90 | 21:36:52.77 | 57:41:17.1[r] | 102 | 3102 | | | | 14.8[j] | | | 12.816 (26) | 12.464 (31) | 12.374 (28)[r] | | | | -3.7 (3.8) | -7.5 (3.8) | -0.8 (7.1) | -10.6 (6.9) | | | |
| 91 | 21:36:59.13 | 57:42:46.0[r] | 103 | 3103 | | | | 14.1[j] | | | 11.681 (23) | 11.057 (28) | 10.932 (23)[r] | | | | 8.6 (3.8) | -16.7 (3.8) | 4.4 (7.4) | -3.4 (7.4) | -0.87 | -1.05 | |
| 92 | 21:37:04.46 | 57:44:14.7[r] | 104 | 3104 | | | | 14.4[j] | | | 12.394 (26) | 12.078 (30) | 11.985 (24)[r] | | | | -2.9 (3.8) | 1.3 (3.8) | -8 (7.7) | -3.4 (7.5) | -0.39 | 0.32 | |
| 93 | 21:37:03.69 | 57:11:41.2[r] | 105 | 3105 | | | | 14.9[j] | | | 12.500 (27) | 12.014 (30) | 11.897 (25)[r] | | | | 9.4 (4.1) | -0.9 (4.1) | 26.7 (6.8) | -3.8 (6.8) | | | |
| 94 | 21:37:05.99 | 57:12:19.7[r] | 106 | 162 | | | | 10.2[j] | | | 9.160 (22) | 8.804 (27) | 8.771 (20)[r] | F8[q] | | | 19.1 (2) | 6.1 (2) | | | -3.02 | 0.36 | |
| 95 | 21:37:11.65 | 57:12:56.3[r] | 108 | 3108 | | 14.42[l] | 13.1[h] | 13.03[h] | | | 11.906 (22) | 11.636 (28) | 11.532 (23)[r] | A5[h] | | 1.5[h] | -4.8 (4.1) | 7.8 (4.1) | -14.9 (6.8) | 17.1 (6.8) | -0.17 | 0.12 | Dec [h] imprec. |
| 96 | 21:37:38.85 | 57:11:28.1[r] | 110 | 3110 | | | | 13.9[j] | | | 10.584 (22) | 9.767 (25) | 9.582 (20)[r] | | | | -7.8 (5.1) | -2.8 (5.1) | -18.1 (6.9) | 10.1 (6.9) | 0.61 | -0.51 | |
| 97 | 21:37:45.47 | 57:12:04.8[r] | 111 | 3111 | | | | 14.3[j] | | | 8.875 (27) | 7.732 (31) | 7.343 (26)[r] | | | | -0.7 (5.1) | 0.5 (5.1) | 4 (6.8) | -8.4 (6.9) | 0.07 | 0.25 | |
| 98 | 21:37:42.52 | 57:12:13.1[r] | 112 | 3112 | | | | 14.9[j] | | | 13.101 (22) | 12.791 (30) | 12.680 (26)[r] | | | | -0.9 (4.1) | 6.6 (4.1) | -11.2 (6.8) | -2.7 (6.8) | | | |

[a] also 5068

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ MVA [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 99 | 21:37:23.13 | 57:13:23.3[r] | 113 | 3113 | | | | 14.3[j] | | | 12.304 (22) | 11.731 (26) | 11.631 (24)[r] | | | | | | | 3.68 | 1.31 | |
| 100 | 21:37:28.51 | 57:13:49.9[r] | 114 | 3114 | | | | 12.5[j] | | | 9.449 (21) | 8.549 (26) | 8.364 (20)[r] | | | 0.7 (5.1) | -9.2 (5.1) | 17.3 (7.8) | -41.6 (7.8) | -0.12 | 0.15 | |
| 101 | 21:37:37.57 | 57:13:54.8[r] | 115 | 3115 | | | | 14.8[j] | | | 10.783 (32) | 9.397 (116) | 8.902 (86)[r] | | | 0.2 (5.7) | -3 (5.7) | | | | | |
| 102 | 21:37:38.20 | 57:13:54.6[r] | 116 | 3116 | | | | 14.5[j] | | | 9.301 (27) | 8.128 (29) | 7.735 (29)[r] | | | 128.9 (18.7) | -1.6 (18.7) | | | -0.29 | 0.13 | |
| 103 | 21:37:12.17 | 57:15:08.7[r] | 117 | 3117 | | | | 14.7[j] | | | 12.735 (26) | 12.363 (28) | 12.326 (25)[r] | | | -3.3 (4.1) | -1.1 (4.1) | | | 0.11 | 0.2 | |
| 104 | 21:37:20.16 | 57:14:36.8[r] | 118 | 3118 | | | | 14.2[j] | | | 11.042 (26) | 10.406 (26) | 10.221 (21)[r] | | | -0.3 (4.1) | 4 (4.1) | 22.9 (6.9) | 22.7 (6.9) | -0.03 | -0.18 | |
| 105 | 21:37:39.08 | 57:14:42.5[r] | 119 | 3119 | | | | 14.9[j] | | | 13.038 (26) | 12.726 (32) | 12.619 (31)[r] | | | 3 (4.1) | 0.7 (4.1) | 8.1 (6.9) | 11.9 (6.9) | -0.17 | 0.29 | |
| 106 | 21:37:20.28 | 57:16:00.7[r] | 120 | 3120 | | | | 14.4[j] | | | 11.265 (22) | 10.547 (27) | 10.329 (20)[r] | | | -2.6 (4.1) | -1.9 (4.1) | -7.8 (6.9) | 5.3 (6.9) | 0.51 | -0.42 | |
| 107 | 21:37:39.83 | 57:15:12.2[r] | 122 | 3122 | | | | 14.4[j] | | | 12.559 (24) | 12.104 (27) | 12.065 (25)[r] | | | -1.3 (4.1) | -1.4 (4.1) | -4.2 (6.8) | 2.7 (6.8) | 0.09 | -0.49 | |
| 108 | 21:37:43.64 | 57:15:44.2[r] | 123 | 3123 | | | | 14.8[j] | | | 12.511 (27) | 12.026 (31) | 11.902 (28)[r] | | | -3.8 (4.1) | 9.9 (4.1) | -4.1 (6.8) | 23.6 (6.8) | -0.39 | 0.38 | |
| 109 | 21:37:58.37 | 57:12:44.6[r] | 124 | 3124 | | | | 13.8[j] | | | 12.178 (29) | 11.781 (33) | 11.655 (21)[r] | | | 5.3 (4) | -6 (4) | 10.3 (6.8) | -6.6 (6.8) | -1.19 | -0.13 | |
| 110 | 21:37:47.82 | 57:16:29.6[r] | 125 | 3125 | | | | 14.5[j] | | | 10.643 (24) | 9.754 (27) | 9.529 (20)[r] | | | -4.4 (5.1) | 2.1 (5.1) | -5.5 (6.8) | 8.9 (6.8) | -0.1 | 0.18 | |
| 111 | 21:37:47.04 | 57:16:11.5[r] | 126 | 3126 | | | | 15[j] | | | 11.117 (22) | 10.134 (27) | 9.908 (20)[r] | | | -4.1 (5.1) | -3.4 (5.1) | -3.4 (6.8) | 6 (6.8) | -0.78 | -0.58 | |
| 112 | 21:37:54.79 | 57:16:02.6[r] | 127 | 3127 | | | | 14.9[j] | | | 12.793 (27) | 12.301 (33) | 12.198 (23)[r] | | | -7 (4) | 0.3 (4) | -9.5 (6.8) | -0.3 (6.8) | | | |
| 113 | 21:37:52.81 | 57:17:14.6[r] | 129 | 3129 | | | | 14.7[j] | | | 12.741 (27) | 12.277 (32) | 12.143 (21)[r] | | | 6.3 (4) | 2.7 (4) | -3 (6.8) | 9.6 (6.8) | -2.19 | 0.52 | |
| 114 | 21:37:33.23 | 57:17:12.6[j] | 131 | 3131 | | | | 13.6[j] | | | | | | | | | | | | | | no star |
| 115 | 21:37:35.20 | 57:17:44.7[r] | 132 | 3132 | | | | 13.8[j] | | | 10.969 (22) | 10.276 (26) | 10.110 (20)[r] | | | -2.5 (4.1) | -4.3 (4.1) | -2.6 (6.9) | -1.3 (6.9) | -0.31 | -0.61 | |
| 116 | 21:37:30.86 | 57:18:33.8[r] | 133 | 3133 | | | | 12.4[j] | | | 11.191 (24) | 10.898 (28) | 10.794 (23)[r] | | | -13.2 (4.1) | 4.1 (4.1) | -9 (1.2) | -12.3 (4.5) | 0.49 | -1.07 | |
| 117 | 21:37:14.31 | 57:20:21.6[r] | 134 | 3134 | | | | 13.3[j] | | | 11.903 (24) | 11.630 (27) | 11.523 (24)[r] | | | -0.1 (4.1) | -0.1 (4.1) | 5.3 (7) | -11.1 (7) | -0.52 | 0.28 | |
| 118 | 21:37:19.41 | 57:20:56.3[j] | 135 | 3135 | | | | 13.7[j] | | | | | | | | -1.7 (8.6) | 90.6 (8.6) | | | | | no star |
| 119 | 21:37:19.13 | 57:20:26.0[r] | 136 | 3136 | | | | 14.8[j] | | | 13.074 (26) | 12.811 (28) | 12.655 (30)[r] | | | -7.4 (4.1) | 5.2 (4.1) | -21.3 (6.8) | 9.3 (6.8) | 0.15 | -0.39 | |
| 120 | 21:37:18.07 | 57:20:01.1[r] | 137 | 3137 | | | | 14.8[j] | | | 11.119 (22) | 10.188 (27) | 9.968 (18)[r] | | | -2 (5.1) | 2.2 (5.1) | 0.6 (6.8) | 10.6 (6.8) | | | |
| 121 | 21:37:24.84 | 57:21:12.0[r] | 138 | 3138 | | | | 15[j] | | | 12.387 (24) | 11.705 (28) | 11.553 (24)[r] | | | -4.4 (4.1) | -1.2 (4.1) | -0.8 (6.8) | -9.5 (6.8) | | | |
| 122 | 21:37:25.65 | 57:20:19.2[r] | 139 | 3139 | | | | 14.7[j] | | | 12.742 (22) | 12.376 (32) | 12.310 (26)[r] | | | -4.6 (4.1) | 2.1 (4.1) | -8.4 (6.8) | 5.2 (6.8) | 0.53 | 0.1 | |
| 123 | 21:37:34.21 | 57:19:33.1[r] | 140 | 3140 | | | | 14.8[j] | | | 12.947 (26) | 12.639 (28) | 12.498 (26)[r] | | | -3.6 (4.1) | 3.2 (4.1) | 2.3 (6.8) | 1.4 (6.8) | | | |
| 124 | 21:37:46.97 | 57:19:06.4[r] | 141 | 3141 | | | | 14.8[j] | | | 12.204 (24) | 11.594 (27) | 11.476 (23)[r] | | | 7.1 (4.1) | 1.8 (4.1) | -0.6 (6.8) | 7.2 (6.7) | | | |
| 125 | 21:37:49.67 | 57:18:07.7[r] | 143 | 3143 | | | | 15.1[j] | | | 13.259 (45) | 12.774 (49) | 12.645 (47)[r] | | | -15.2 (5.4) | -4.6 (5.4) | -25.2 (6.8) | 12.6 (6.8) | | | |
| 126 | 21:37:24.25 | 57:23:08.0[r] | 144 | 451 | | 13.07[l] | 12.81[h] | 12.19[h] | | | 10.903 (23) | 10.692 (30) | 10.618 (21)[r] | F0[h] | 0.97[h] | -6.8 (2.7) | -8.6 (2.7) | -7.6 (0.7) | -6.1 (1.1) | 0.34 | -0.15 | Dec [h] wrong |
| 127 | 21:37:33.54 | 57:22:26.2[r] | 145 | 3145 | | | | 14.9[j] | | | 12.986 (26) | 12.564 (34) | 12.501 (29)[r] | | | -18.5 (4.1) | -4.7 (4.1) | -23.1 (6.8) | 3.4 (6.9) | | | |
| 128 | 21:37:41.31 | 57:21:25.9[r] | 146 | 3146 | | | | 14.3[j] | | | 12.416 (24) | 12.035 (27) | 11.967 (26)[r] | | | -8.2 (4.1) | 0.9 (4.1) | -6.7 (6.7) | 6.8 (6.7) | 0.21 | -0.16 | |
| 129 | 21:37:42.95 | 57:21:03.9[r] | 147 | 453 | | 11.82[l] | 11.08[h] | 11.04[h] | | | 10.418 (24) | 10.279 (27) | 10.248 (21)[r] | A0[h] | 1.28[h] | -0.6 (1.7) | 0.4 (1.7) | -5.8 (2.2) | -4.5 (3.4) | 0.19 | -0.03 | Dec [h] imprec. |
| 130 | 21:37:54.80 | 57:21:06.1[r] | 148 | 3148 | | 13.74[l] | 12.68[l] | 11.42[l] | | | 9.083 (27) | 8.520 (38) | 8.364 (24)[r] | | | -5.1 (2) | -9 (2) | -2.9 (0.8) | -0.2 (1.3) | -0.04 | 0.29 | |
| 131 | 21:37:47.77 | 57:21:47.2[r] | 149 | 3149 | | | 15.43[l] | 13.9[l] | | | 10.745 (26) | 10.061 (28) | 9.880 (20)[r] | | | -12.7 (5.1) | -1.8 (5.1) | 1.4 (7) | -45.9 (7) | 0.2 | 0.15 | |
| 132 | 21:37:51.87 | 57:22:23.5[r] | 150 | 3150 | | 14.38[l] | 14.35[h] | 13.65[h] | | | 12.299 (31) | 12.113 (36) | 12.063 (27)[r] | B4[h] | 2.68[h] | -2.6 (4) | 6 (4) | 10.4 (6.9) | 30.2 (6.8) | 0.13 | -0.03 | |
| 133 | 21:37:54.85 | 57:22:16.1[r] | 151 | 3151 | | | | 11.2[j] | | | 8.980 (27) | 8.314 (55) | 8.189 (23)[r] | | | 0.4 (2.8) | -10.8 (2.7) | -7 (1.7) | -3.1 (1.3) | 0.49 | 0.04 | |
| 134 | 21:37:55.15 | 57:23:01.0[r] | 152 | 3152 | | | | 11.9[j] | | | 10.614 (26) | 10.254 (31) | 10.202 (20)[r] | | | 20.6 (2.7) | 3.9 (2.7) | 18.1 (1.3) | 3 (1.7) | -2.42 | 0.79 | |
| 135 | 21:37:41.24 | 57:23:09.0[r] | 153 | 454 | | 12.91[l] | 12.07[h] | 12.03[h] | | | 11.518 (25) | 11.391 (30) | 11.399 (24)[r] | A0[h] | 1.15[h] | -1.4 (2.7) | -6.1 (2.7) | -2.8 (0.9) | -6.4 (1.5) | -0.11 | 0.01 | Dec [h] imprec. |
| 136 | 21:37:24.52 | 57:24:19.2[r] | 154 | 3154 | | | | 12.6[j] | | | 10.009 (26) | 9.299 (30) | 9.082 (21)[r] | | | -54.5 (41.8) | -33.5 (41.8) | -160.7 (14.1) | -17.2 (13.6) | -0.46 | -0.33 | |
| 137 | 21:37:25.58 | 57:24:23.7[r] | 155 | 3155 | | | | 13.9[j] | | | 10.967 () | 9.908 () | 9.611 ()[r] | | | | | | | 0.68 | -0.59 | |
| 138 | 21:37:43.25 | 57:23:03.8[r] | 156 | 3156 | | | | 15[j] | | | 11.609 (25) | 10.801 (27) | 10.566 (23)[r] | | | -7.5 (4.1) | -0.3 (4.1) | -3.6 (6.9) | 5.5 (6.8) | | | |
| 139 | 21:37:35.65 | 57:23:57.8[r] | 157 | 3157 | | | | 14.7[j] | | | 10.680 (23) | 9.733 (27) | 9.468 (21)[r] | | | -5.1 (5.1) | -3.2 (5.1) | -7.1 (6.8) | 6.7 (6.8) | 0.18 | 0.15 | |
| 140 | 21:37:24.29 | 57:24:29.2[r] | 158 | 3158 | | | | 15.1[j] | | | 13.361 (27) | 13.109 (34) | 12.969 (36)[r] | | | -5.9 (4.1) | -1.1 (4.1) | -2.4 (6.9) | 15.3 (6.9) | | | |
| 141 | 21:37:41.69 | 57:24:51.3[r] | 159 | 3159 | | | | 14.7[j] | | | 10.394 (26) | 9.376 (31) | 9.080 (21)[r] | | | -26.4 (18.5) | 0.7 (18.5) | | | | | |
| 142 | 21:37:10.94 | 57:24:31.6[r] | 160 | 3160 | | | | 15.1[j] | | | 13.035 (29) | 12.648 (37) | 12.559 (38)[r] | | | -3.3 (4.1) | -3.3 (4.1) | 14.3 (6.9) | 14.1 (6.9) | | | |
| 143 | 21:37:12.85 | 57:25:05.3[r] | 161 | 3161 | | | | 14.9[j] | | | 12.895 (26) | 12.535 (32) | 12.458 (29)[r] | | | -0.7 (4.1) | -2.4 (4.1) | 4.4 (6.8) | 5.9 (6.8) | | | |
| 144 | 21:37:10.70 | 57:26:10.3[r] | 162 | 3162 | | | | 12.7[j] | | | 10.655 (25) | 10.143 (31) | 9.976 (24)[r] | | | -8.5 (5.1) | 0.5 (5.1) | -49.6 (7.2) | 21.9 (7.2) | -0.12 | -0.19 | |
| 145 | 21:37:14.81 | 57:25:51.5[r] | 163 | 3163 | | | | 13.3[j] | | | 12.007 (29) | 11.573 (32) | 11.579 (29)[r] | | | -9.7 (4.1) | -2.7 (4.1) | -45 (6.9) | 8.6 (6.9) | 0.21 | -0.27 | |
| 146 | 21:37:20.09 | 57:25:14.1[r] | 164 | 449 | | 13.26[l] | 12.97[f] | 12.44[e] | | | 11.169 (26) | 10.983 (30) | 10.918 (23)[r] | A3[e] | 1.4[e] | -4 (2.7) | -11.8 (2.7) | -7.1 (0.8) | -5.7 (1.1) | -0.06 | 0.3 | |
| 147 | 21:37:29.36 | 57:25:18.0[r] | 165 | 3165 | | | | 14.4[j] | | | 11.167 (26) | 10.434 (28) | 10.234 (25)[r] | | | -3.3 (4.1) | 0.1 (4.1) | -8.2 (6.8) | 6.1 (6.8) | -0.04 | 0.28 | |
| 148 | 21:37:19.62 | 57:26:14.0[r] | 166 | 447 | | | 10.56[h] | 10.24[h] | | | 9.080 (25) | 8.954 (28) | 8.884 (20)[r] | A3[h] | 0.72[h] | -1.8 (1.4) | -2.2 (1.4) | -1.5 (0.6) | -3.2 (0.7) | -0.58 | 0.1 | |
| 149 | 21:37:11.56 | 57:27:10.8[r] | 167 | 3167 | | | | 14.2[j] | | | 12.481 (26) | 12.167 (32) | 12.083 (28)[r] | | | 1.5 (4.1) | 0.8 (4.1) | 8.6 (6.8) | 15.5 (6.8) | -0.76 | 0.26 | |
| 150 | 21:37:21.02 | 57:28:38.2[r] | 168 | 3168 | | | | 14.4[j] | | | 12.726 () | 12.553 (38) | 12.430 (36)[r] | | | -8.4 (4.1) | -3.2 (4.1) | -28.5 (6.8) | -7.8 (6.8) | -0.21 | -0.05 | |
| 151 | 21:37:23.95 | 57:28:16.9[r] | 169 | 3169 | | 15.36[l] | 14.74[f] | 14.02[e] | | | 12.296 (23) | 12.033 (27) | 11.956 (24)[r] | A4[e] | 1.9[e] | 1.4 (10.9) | 2 (10.9) | 31.3 (7.3) | 19.8 (7.3) | -0.32 | 0.2 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 152 | 21:37:27.05 | 57:27:06.5[r] | 170 | 3170 | | | | 12.9[j] | | | 9.095 (23) | 8.167 (33) | 7.841 (20)[r] | | | | -6.9 (5.1) | -2.6 (5.1) | -23.3 (7.2) | -16.2 (7.2) | -0.21 | 0.2 | |
| 153 | 21:37:35.31 | 57:27:52.4[r] | 171 | 3171 | | | | 14.8[j] | | | 12.553 (25) | 12.182 (30) | 12.035 (26)[r] | | | | -11.1 (3.9) | -7 (3.9) | -9.1 (6.8) | 5 (6.8) | | | |
| 154 | 21:37:52.32 | 57:26:53.2[r] | 172 | 3172 | | | | 12.9[j] | | | 14.143 (74) | 13.678 (83) | 13.606 (58)[r] | | | | | | -57.1 (7.3) | -3.3 (7.2) | -0.03 | -0.09 | |
| 155 | 21:37:51.76 | 57:26:52.6[r] | 172 | 3172 | | | | 12.9[j] | | | 10.962 (29) | 10.422 (35) | 10.294 (22)[r] | | | | -20.4 (4) | -0.7 (4) | -57.1 (7.3) | -3.3 (7.2) | -0.03 | -0.09 | |
| 156 | 21:37:53.94 | 57:26:42.3[r] | 173 | 3173 | | | | 14.5[j] | | | 11.326 (29) | 10.614 (32) | 10.342 (22)[r] | | | | 13.3 (18.1) | 6.6 (18.1) | -25.5 (6.8) | 8 (6.8) | -0.12 | 0.06 | |
| 157 | 21:37:54.46 | 57:26:33.3[r] | 174 | 3174 | | | | 14.9[j] | | | 13.026 (31) | 12.489 (33) | 12.360 (27)[r] | | | | 7.9 (4) | -9.3 (4) | -15.8 (6.8) | 3.1 (6.7) | | | |
| 158 | 21:37:47.70 | 57:26:17.0[j] | 175 | 3175 | | | | 15.1[j] | | | | | | | | | | | | | | | no star [z] |
| 159 | 21:37:47.06 | 57:26:04.6[r] | 176 | 3176 | | | | 15.2[j] | | | 12.544 (27) | 11.850 (28) | 11.671 (26)[r] | | | | 1.1 (4.1) | -14.6 (4.1) | 15.5 (6.9) | -31.4 (6.8) | | | |
| 160 | 21:37:41.81 | 57:29:34.0[r] | 177 | 3177 | | | | 12.6[j] | | | 11.274 (23) | 10.990 (28) | 10.937 (23)[r] | | | | -4.6 (4.1) | 1 (4.1) | -7.8 (7.1) | 1.6 (7.1) | -0.31 | 0.28 | |
| 161 | 21:37:35.43 | 57:30:25.6[j] | 179 | 3179 | | | | 14.7[j] | | | | | | | | | | | | | | | no star |
| 162 | 21:37:30.23 | 57:30:30.2[r] | 180 | 3180 | | | | 14.9[j] | | | 12.506 (27) | 12.084 (33) | 11.959 (29)[r] | | | | 6.9 (3.8) | 9.1 (3.8) | | | | | |
| 163 | 21:37:18.41 | 57:31:20.7[r] | 181 | 448 | | 12.67[l] | 12.42[f] | 11.84[e] | | | 10.385 (23) | 10.119 (27) | 10.049 (23)[r] | A0[e] | | 1.8[e] | -2.7 (2) | 7.6 (2) | -3.9 (0.6) | -1.4 (1.5) | -0.2 | 0.12 | [h] wrong |
| 164 | 21:37:19.57 | 57:30:48.9[r] | 182 | 450 | | 12.43[l] | 12.4[f] | 11.93[e] | | | 10.892 (23) | 10.786 (27) | 10.763 (20)[r] | B8[e] | | 1.8[e] | -5.6 (2) | -0.7 (2) | -3.5 (1.4) | -5.4 (1.1) | -0.19 | -0.14 | |
| 165 | 21:37:23.60 | 57:30:57.7[r] | 183 | 3183 | | | | 14.8[j] | | | 13.125 (23) | 12.894 (27) | 12.791 (30)[r] | | | | -3.5 (3.8) | -2.1 (3.8) | -4 (7.3) | -4.8 (7.3) | | | |
| 166 | 21:37:19.75 | 57:33:10.7[r] | 184 | 3184 | | | | 14.9[j] | | | 10.554 (23) | 9.485 (27) | 9.210 (21)[r] | | | | 1.9 (4.7) | -6.6 (4.7) | -23.1 (7.1) | 10.7 (7) | 0.06 | -0.19 | |
| 167 | 21:37:09.08 | 57:32:18.3[r] | 185 | 3185 | | | | 13.3[j] | | | 10.306 (23) | 9.537 (26) | 9.350 (20)[r] | | | | -6.3 (4.9) | -10.5 (4.9) | | | 0.09 | -0.85 | |
| 168 | 21:37:08.37 | 57:33:50.9[r] | 186 | 446 | | | 9.73[h] | 9.42[h] | | | 8.848 (23) | 8.753 (26) | 8.735 (21)[r] | A8[h] | | 0.25[h] | 6.7 (1.2) | -16.9 (1.2) | 6.6 (0.6) | -14.3 (0.7) | -1.34 | -1.4 | |
| 169 | 21:37:32.23 | 57:31:57.7[j] | 188 | 3188 | | | | 14.8[j] | | | | | | | | | | | | | | | no star |
| 170 | 21:37:47.16 | 57:31:39.3[r] | 189 | 3189 | | | | 14.6[j] | | | 12.305 (27) | 11.958 (34) | 11.826 (28)[r] | | | | 13.1 (3.9) | 1.2 (3.9) | 52.3 (7.4) | 6.5 (7.4) | -0.29 | -0.33 | |
| 171 | 21:37:15.79 | 57:35:00.6[r] | 190 | 3190 | | | | 14.9[j] | | | 10.703 (22) | 9.648 (26) | 9.394 (21)[r] | | | | -5.2 (4.7) | -4 (4.7) | -0.2 (6.9) | 7.7 (7) | | | |
| 172 | 21:37:25.95 | 57:34:33.0[r] | 192 | 3192 | | | | 15.1[j] | | | 13.015 (25) | 12.541 (28) | 12.443 (26)[r] | | | | -5.1 (3.9) | 4 (3.9) | 1.3 (7.1) | 19.6 (7.1) | | | |
| 173 | 21:37:24.42 | 57:35:08.0[r] | 193 | 3193 | | | | 13.3[j] | | | 11.468 (22) | 11.079 (27) | 11.003 (21)[r] | | | | -13.7 (3.8) | -3.1 (3.8) | -11.9 (7) | 10.9 (6.9) | 0.82 | 0.01 | |
| 174 | 21:37:40.94 | 57:33:37.3[r] | 194 | 452 | | 8.18[l] | 8.58[f] | 8.24[e] | | | 7.697 (19) | 7.647 (31) | 7.611 (21)[r] | B3 B5[e] | V[P] | 1.71[e] | -6.5 (1.9) | -2.8 (2.2) | | | -0.39 | -0.23 | |
| 175 | 21:37:41.85 | 57:33:38.4[r] | 195 | 3195 | | | | 11.9[j] | | | 9.578 (27) | 9.446 (42) | 9.459 (21)[r] | | | | 3.2 (1.7) | -0.4 (1.7) | | | -0.27 | -0.14 | |
| 176 | 21:37:51.34 | 57:32:18.7[r] | 196 | 3196 | | | | 14.8[j] | | | 11.463 (26) | 10.768 (32) | 10.533 (20)[r] | | | | -6.7 (3.8) | -6.2 (3.8) | -8.8 (6.8) | 9.6 (6.9) | | | |
| 177 | 21:37:58.59 | 57:31:34.6[r] | 197 | 3197 | | | | 14.1[j] | | | 12.278 (38) | 11.853 (47) | 11.737 (35)[r] | | | | -4.7 (5.3) | -8.3 (5.3) | | | 0.58 | -0.31 | near 178 |
| 178 | 21:37:59.13 | 57:31:35.5[r] | 198 | 3198 | | | | 14.8[j] | | | 11.597 () | 10.849 () | 10.642 ()[r] | | | | | | | | | | near 177 |
| 179 | 21:37:57.12 | 57:32:33.7[r] | 199 | 3199 | | | | 15.1[j] | | | 11.397 (31) | 10.468 (37) | 10.162 (22)[r] | | | | -10.4 (3.9) | -8.5 (3.9) | -18 (7) | -41 (6.9) | | | |
| 180 | 21:37:56.68 | 57:32:50.5[r] | 200 | 3200 | | | | 14.5[j] | | | 11.238 (26) | 10.426 (31) | 10.202 (20)[r] | | | | -6.5 (3.9) | 2.4 (3.9) | -2.4 (6.8) | 9.2 (6.8) | -0.17 | 0.27 | |
| 181 | 21:38:00.35 | 57:32:32.7[r] | 201 | 3201 | | | | 15[j] | | | 11.415 (27) | 10.471 (32) | 10.184 (22)[r] | | | | -10.4 (3.9) | -0.5 (3.9) | -20.3 (6.8) | 17.4 (6.8) | | | |
| 182 | 21:38:00.98 | 57:33:00.1[r] | 202 | 3202 | | | | 14.9[j] | | | 10.763 (27) | 9.789 (30) | 9.491 (20)[r] | | | | -2 (4.7) | -5.8 (4.7) | -1.8 (6.3) | -12.6 (6.2) | | | |
| 183 | 21:37:47.24 | 57:34:54.2[r] | 203 | 3203 | | 15.27[l] | 14.66[l] | 13.55[l] | | | 11.287 (22) | 10.915 (26) | 10.783 (21)[r] | | | | -9.8 (3.9) | -3.5 (3.9) | -6.2 (7) | 6.8 (7) | 0.19 | -0.14 | |
| 184 | 21:37:26.01 | 57:36:01.6[r] | 204 | 3204 | | | 13.21[f] | 12.7[e] | | | 11.395 (22) | 11.266 (26) | 11.176 (20)[r] | A1[e] | | 1.5[e] | -1.1 (3.9) | -5.1 (3.9) | -0.7 (0.7) | -1.9 (1.3) | -0.48 | 0.04 | same star |
| 185 | 21:37:18.38 | 57:36:30.8[r] | 205 | 3205 | | | | 15.1[j] | | | 11.975 (23) | 11.280 (26) | 11.133 (23)[r] | | | | -4.6 (3.8) | -7.3 (3.8) | -3.7 (7.2) | -2.7 (7.1) | | | |
| 186 | 21:37:17.42 | 57:36:49.3[r] | 206 | 3206 | | | | 15.1[j] | | | 12.988 (26) | 12.385 (28) | 12.311 (29)[r] | | | | -1.2 (3.8) | -29.2 (3.8) | 0.4 (7.9) | -26.8 (7.5) | | | |
| 187 | 21:37:32.25 | 57:36:31.6[r] | 207 | 3207 | | | | 15.2[j] | | | 13.242 (26) | 12.877 (33) | 12.733 (34)[r] | | | | -6.8 (3.8) | -11 (3.8) | -11 (7.9) | -13.6 (7.7) | | | |
| 188 | 21:37:23.33 | 57:37:33.3[r] | 208 | 3208 | | | | 14.8[j] | | | 11.723 (22) | 11.040 (26) | 10.861 (20)[r] | | | | 1.5 (3.8) | -2.9 (3.8) | 8.7 (7.4) | 10.9 (7.4) | -0.07 | 0.38 | |
| 189 | 21:37:42.92 | 57:36:31.4[r] | 209 | 3209 | | | | 12.4[j] | | | 10.571 (22) | 10.096 (27) | 9.837 (21)[r] | | | | -7.7 (2.7) | -23.2 (2.7) | -4.1 (1.3) | -3.6 (2) | -0.02 | -0.14 | |
| 190 | 21:37:42.80 | 57:37:06.5[r] | 210 | 3210 | | | | 12[j] | | | 9.820 (23) | 9.179 (26) | 9.063 (18)[r] | | | | -7.7 (2.7) | -4.9 (2.7) | -12.5 (0.7) | -4.4 (2.1) | 0.47 | -0.2 | |
| 191 | 21:37:36.30 | 57:37:23.6[r] | 211 | 3211 | | | | 15[j] | | | 11.518 (22) | 10.750 (27) | 10.535 (21)[r] | | | | -1.4 (3.8) | -2.2 (3.8) | | | | | |
| 192 | 21:37:47.56 | 57:37:06.6[r] | 212 | 3212 | | | | 14.4[j] | | | 12.463 (23) | 12.052 (30) | 11.980 (23)[r] | | | | 13.2 (3.9) | -2 (3.9) | 21.6 (7.5) | -1.5 (7.4) | -2.34 | 0.37 | |
| 193 | 21:38:09.43 | 57:35:26.4[r] | 213 | 3213 | | | | 15.2[j] | | | 13.315 (27) | 12.878 (30) | 12.741 (22)[r] | | | | -1.5 (3.8) | -2.6 (3.8) | -1.5 (7.8) | -3.8 (7.6) | | | |
| 194 | 21:38:11.07 | 57:35:09.5[r] | 214 | 3214 | | | | 15.1[j] | | | 10.244 (26) | 9.201 (29) | 8.830 (20)[r] | | | | -1.6 (4.8) | -4.8 (4.8) | 3.8 (6.8) | 2.4 (7) | | | |
| 195 | 21:38:01.59 | 57:36:52.6[r] | 217 | 455 | | 11.86[l] | 11.86[l] | 11.12[l] | | | 9.366 (26) | 9.044 (31) | 8.938 (20)[r] | B5[P] | Ib-II[P] | | -5.8 (1.7) | -3 (1.7) | -4 (0.6) | -1.9 (0.7) | -0.03 | 0.05 | |
| 196 | 21:37:57.24 | 57:37:24.0[r] | 218 | 3218 | | | | 15.1[j] | | | 13.344 (27) | 12.999 (29) | 12.867 (20)[r] | | | | -1.6 (3.8) | -1.9 (3.8) | -0.6 (7.7) | -8.2 (7.4) | | | |
| 197 | 21:38:03.93 | 57:36:35.4[r] | 219 | 3219 | | | | 12.7[j] | | | 10.178 (26) | 9.492 (31) | 9.316 (20)[r] | | | | 6.1 (4.7) | -3 (4.7) | -1.8 (7.4) | -7.7 (7.4) | -0.46 | 0.02 | |
| 198 | 21:38:10.87 | 57:36:03.8[r] | 220 | 3220 | | | | 13.9[j] | | | 12.270 (27) | 11.922 (31) | 11.852 (24)[r] | | | | -3.3 (3.9) | -2.2 (3.9) | 0.9 (6.8) | 7 (6.8) | -0.39 | 0.14 | |
| 199 | 21:38:18.55 | 57:35:40.1[r] | 221 | 3221 | | | 14.23[l] | 12.94[l] | | | 10.088 (27) | 9.438 (29) | 9.266 (20)[r] | | | | -6 (5) | -4.9 (5) | -6.6 (7.4) | -7.4 (7.3) | -0.05 | -0.26 | |
| 200 | 21:37:56.50 | 57:38:08.8[r] | 222 | 3222 | | | | 15.1[j] | | | 13.217 (27) | 12.839 (31) | 12.718 (24)[r] | | | | -4.1 (3.8) | 0 (3.8) | -3.4 (7.4) | -1.3 (7.4) | | | |
| 201 | 21:38:00.06 | 57:38:07.0[r] | 223 | 3223 | | | | 14.7[j] | | | 12.894 (27) | 12.515 (35) | 12.417 (18)[r] | | | | | | | | -1.34 | 0.23 | |
| 202 | 21:38:00.96 | 57:38:06.9[r] | 224 | 3224 | | 13.92[l] | 13.58[f] | 13.05[e] | | | 11.856 (27) | 11.696 (32) | 11.594 (21)[r] | A7[e] | | 1.1[e] | -4.8 (4.4) | 1.2 (4.4) | -4.9 (1.6) | -3.7 (0.8) | 0.09 | -0.23 | |

[z] [j] No. exists 2 times on plate

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA mas/yr | $\mu_\delta$ [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 203 | 21:37:57.99 | 57:38:51.3[r] | 225 | 5073 | | | | 14.7[j] | | | 11.471 (24) | 10.774 (30) | 10.559 (19)[r] | K7[q] | | | -0.2 (3.9) | -4.5 (3.9) | 5.3 (7.3) | -16.1 (7.4) | | | |
| 204 | 21:38:10.61 | 57:37:59.3[r] | 226 | 3226 | | | | 14.4[j] | | | 12.599 (27) | 12.304 (33) | 12.154 (24)[r] | | | | 6.4 (3.8) | -4.6 (3.8) | 5.3 (7.3) | -4.5 (7.3) | -0.82 | -0.59 | |
| 205 | 21:38:03.50 | 57:38:43.7[r] | 227 | 3227 | | | | 14.5[j] | | | 11.740 (26) | 11.096 (30) | 10.936 (19)[r] | | | | 21 (5.1) | 26 (5.1) | 9.6 (7.3) | 43.7 (7.4) | | | new coordinates |
| 206 | 21:37:10.09 | 57:40:30.0[r] | 229 | 3229 | | 14.11[l] | 13.07[h] | 13.01[h] | | | 11.762 (23) | 11.539 (24) | 11.514 (21)[r] | B8[h] | | 2.22[h] | -7.2 (3.8) | -6.1 (3.8) | -9.7 (1.1) | -1.5 (1.7) | 0.13 | -0.36 | |
| 207 | 21:37:18.80 | 57:39:52.5[r] | 230 | 3230 | | | | 14.8[j] | | | 11.460 (25) | 10.702 (26) | 10.518 (21)[r] | | | | 0.3 (3.8) | -4.3 (3.8) | -3.5 (7.4) | -0.9 (7.4) | | | |
| 208 | 21:37:32.60 | 57:39:06.4[r] | 231 | 3231 | | | | 15.1[j] | | | 11.964 (23) | 11.261 (26) | 11.069 (23)[r] | | | | 6 (3.8) | -13.1 (3.8) | 18.8 (7.4) | -19.6 (7.5) | | | |
| 209 | 21:37:10.63 | 57:42:15.5[r] | 232 | 3232 | | 16.03[l] | 15.4[f] | 14.25[e] | | | 11.946 (23) | 11.493 (28) | 11.370 (21)[r] | F7[e] | | 2[e] | -1.7 (3.8) | 4.4 (3.8) | 1.6 (7.4) | 11.4 (7.4) | -0.04 | 0.27 | |
| 210 | 21:37:15.95 | 57:41:48.2[r] | 233 | 3233 | | | | 14.4[j] | | | 10.805 (22) | 9.938 (26) | 9.733 (20)[r] | | | | -4.8 (4.7) | -3.7 (4.7) | -2.6 (7.5) | -7.7 (7.5) | 0.11 | 0.13 | |
| 211 | 21:37:34.33 | 57:40:40.8[r] | 234 | 3234 | | 15.83[l] | 15.28[f] | 14.18[e] | | | 11.896 (25) | 11.424 (31) | 11.325 (25)[r] | F9[e] | | 1.7[e] | -0.6 (3.8) | -6.4 (3.8) | -3 (7.4) | -21.7 (7.5) | 0.29 | -0.36 | |
| 212 | 21:37:31.60 | 57:41:40.1[r] | 235 | 3235 | | | | 15.1[j] | | | 12.932 (27) | 12.568 (28) | 12.431 (29)[r] | | | | 1.6 (5.1) | -60.6 (5.1) | -10.2 (7.6) | -22 (7.7) | | | |
| 213 | 21:37:07.64 | 57:43:52.9[r] | 236 | 3236 | | | | 15[j] | | | 12.638 (25) | 12.271 (30) | 12.089 (25)[r] | | | | -4 (3.8) | -7.1 (3.8) | 1.3 (7.4) | -23 (7.5) | | | |
| 214 | 21:37:09.20 | 57:43:55.1[j] | 237 | 3237 | | | | 14.2[j] | | | | | | | | | | | | | | | no star |
| 215 | 21:37:29.50 | 57:43:06.8[r] | 239 | 3239 | | | | 14.8[j] | | | 13.002 (26) | 12.697 (31) | 12.630 (33)[r] | | | | -1.5 (3.8) | -3 (3.8) | 0.5 (7.4) | -12.2 (7.4) | | | |
| 216 | 21:37:38.68 | 57:41:25.2[r] | 241 | 3241 | | | | 14.4[j] | | | 12.490 (23) | 12.097 (28) | 12.031 (25)[r] | | | | 1.7 (3.8) | 1.6 (3.8) | 25.6 (7.4) | -15.6 (7.6) | 0.11 | 1.08 | |
| 217 | 21:37:40.70 | 57:41:16.7[r] | 242 | 3242 | | | | 14.6[j] | | | 12.457 (23) | 12.019 (27) | 11.910 (24)[r] | | | | -3.3 (3.8) | -0.4 (3.8) | -10.2 (7.3) | -2.5 (7.3) | | | |
| 218 | 21:37:52.53 | 57:40:45.9[r] | 243 | 3243 | | | | 14.1[j] | | | 11.079 (26) | 10.294 (29) | 10.071 (18)[r] | | | | -1.5 (3.9) | 5.1 (3.9) | 2 (7.3) | 2.6 (7.4) | -0.26 | 0.47 | |
| 219 | 21:37:55.80 | 57:40:15.5[r] | 244 | 3244 | | | | 14.3[j] | | | 12.530 (29) | 12.153 (33) | 11.995 (24)[r] | | | | -14.7 (3.8) | -7.1 (3.8) | -34.6 (7.3) | -5.3 (7.4) | 0.95 | -0.93 | |
| 220 | 21:37:59.23 | 57:40:13.0[r] | 245 | 3245 | | | | 14.2[j] | | | 12.629 (43) | 12.387 (46) | 12.266 (39)[r] | | | | -8.7 (5.1) | -17 (5.1) | -91.5 (7.6) | -97.4 (7.6) | -0.03 | -0.04 | |
| 221 | 21:38:05.11 | 57:39:49.1[r] | 246 | 3246 | | | | 14.9[j] | | | 12.856 (31) | 12.378 (31) | 12.307 (26)[r] | | | | 22.9 (5.4) | -36.1 (5.4) | 38.7 (7.2) | -61.8 (7.2) | | | |
| 222 | 21:38:10.14 | 57:39:32.7[r] | 247 | 3247 | | | | 14.9[j] | | | 12.072 (26) | 11.390 (30) | 11.213 (19)[r] | | | | 2.2 (3.9) | 4.6 (3.9) | 6 (7.3) | -1.6 (7.3) | | | |
| 223 | 21:37:46.57 | 57:42:26.6[r] | 248 | 3248 | | | | 14.7[j] | | | 12.509 (26) | 12.073 (30) | 11.986 (24)[r] | | | | -14.2 (3.8) | -19.2 (3.8) | -21.9 (7.5) | -24.7 (7.3) | | | |
| 224 | 21:37:33.95 | 57:43:42.2[r] | 249 | 3249 | | | | 14.6[j] | | | 11.292 (23) | 10.505 (26) | 10.309 (21)[r] | | | | 0.6 (3.8) | -14.1 (3.8) | -0.5 (7.4) | -9.1 (7.4) | | | |
| 225 | 21:37:27.41 | 57:44:17.6[r] | 251 | 3251 | | | | 14.8[j] | | | 12.858 (39) | 12.519 (44) | 12.447 (43)[r] | | | | 1.5 (3.8) | 8.5 (3.8) | 20.3 (7.6) | 58.1 (7.6) | | | |
| 226 | 21:37:22.58 | 57:45:07.2[r] | 252 | 712 | | 12.51[l] | 12.48[f] | 11.96[e] | | | 10.766 (25) | 10.653 (26) | 10.616 (20)[r] | B7[e] | | 2[e] | -16.7 (2.7) | -4.8 (2.7) | -5.3 (1.1) | -3.3 (2) | -0.02 | -0.28 | |
| 227 | 21:37:20.76 | 57:45:34.2[r] | 253 | 3253 | | | | 12.7[j] | | | 10.885 (24) | 10.475 (28) | 10.386 (23)[r] | | | | -1.7 (3.9) | 9.9 (3.9) | 5.8 (8.3) | 13.9 (8.3) | -1.31 | 0.3 | |
| 228 | 21:37:32.47 | 57:46:01.1[r] | 254 | 3254 | | | | 13.1[j] | | | 10.299 (23) | 9.566 (27) | 9.407 (21)[r] | | | | 0.3 (4.7) | -0.5 (4.7) | 6.5 (8.3) | -8.9 (8.3) | -0.28 | -0.37 | |
| 229 | 21:37:42.91 | 57:45:04.3[r] | 255 | 3255 | | | | 14.8[j] | | | 12.580 (25) | 12.097 (27) | 12.004 (23)[r] | | | | -3 (3.8) | -9.5 (3.8) | -9.4 (7.4) | -0.5 (7.4) | | | |
| 230 | 21:37:47.16 | 57:44:14.3[r] | 256 | 3256 | | | | 11.2[j] | | | 4.573 (186) | 3.492 (202) | 3.048 (242)[r] | | | | -0.1 (2.8) | 9.2 (2.8) | 2 (1.3) | 5.3 (1.5) | -0.75 | 0.55 | |
| 231 | 21:37:56.58 | 57:42:52.7[r] | 257 | 3257 | | 14.79[l] | 14.99[f] | 14.28[e] | 13.85 | 13.33[i] | 12.872 (35) | 12.685 (41) | 12.561 (33)[r] | B2[e] | | 2.9[e] | -2.4 (3.8) | -2.4 (3.8) | -1 (7.6) | -20.7 (7.3) | 0.03 | 0.22 | |
| 232 | 21:37:56.11 | 57:42:20.8[r] | 258 | 3258 | | 14.69[l] | 14.27[f] | 13.66[e] | 13.35 | 13[i] | 12.240 (29) | 11.975 (31) | 11.844 (21)[r] | A2[e] | | 1.7[e] | -6.6 (3.8) | -1.3 (3.8) | -18.3 (7.5) | -11.3 (7.5) | 0.33 | -0.25 | |
| 233 | 21:37:59.70 | 57:41:31.2[r] | 259 | 3259 | | | | 13.6[j] | | | 11.833 (26) | 11.448 (31) | 11.338 (18)[r] | | | | -12 (10.8) | -8.2 (10.8) | -19.3 (7.4) | -12.5 (7.4) | 1.23 | -0.84 | |
| 234 | 21:38:04.71 | 57:41:00.0[r] | 260 | 3260 | | | | 14.6[j] | | | 10.418 (26) | 9.442 (31) | 9.119 (19)[r] | | | | 6.1 (4.8) | -6.6 (4.8) | 97.9 (7.4) | -8.4 (7.4) | 0.88 | -0.36 | |
| 235 | 21:38:02.07 | 57:43:36.6[r] | 261 | 3261 | | | | 14.7[j] | | | 12.927 (29) | 12.545 (36) | 12.418 (21)[r] | | | | -0.9 (3.9) | -1.1 (3.9) | 35.9 (5.1) | 3.7 (5.1) | | | |
| 236 | 21:38:13.68 | 57:11:24.0[r] | 263 | 3263 | | | | 13.6[j] | | | 12.117 (26) | 11.882 (32) | 11.730 (19)[r] | | | | -6 (4) | -3.6 (4) | -16.4 (6.8) | 7.9 (6.8) | -0.03 | -0.13 | |
| 237 | 21:38:25.97 | 57:12:02.3[r] | 264 | 3264 | | | | 14.8[j] | | | 12.768 (35) | 12.380 (38) | 12.196 (35)[r] | | | | -12.2 (4) | 0.8 (4) | -11.8 (6.8) | 32.7 (6.8) | | | |
| 238 | 21:38:31.92 | 57:13:20.8[r] | 265 | 3265 | | | | 14.6[j] | | | 10.755 (26) | 9.830 (29) | 9.564 (19)[r] | | | | 0.4 (5.1) | -4.6 (5.1) | | | -0.09 | 0.02 | |
| 239 | 21:38:05.84 | 57:14:41.7[r] | 266 | 3266 | | 14.52[l] | 14.02[h] | 13.07[h] | 13.36 | 13.02[i] | 12.455 (29) | 12.267 (29) | 12.172 (21)[r] | A1[h] | | 1.5[h] | -3.1 (4) | -2 (4) | 0.8 (6.8) | -2.5 (6.8) | -0.07 | -0.13 | Dec [h] imprec. |
| 240 | 21:38:17.12 | 57:14:37.6[r] | 267 | 3267 | | | | 14.3[j] | | | 10.632 (24) | 9.797 (31) | 9.556 (19)[r] | | | | -4.4 (5.1) | -2.9 (5.1) | -10.4 (6.8) | 7.8 (6.9) | 0.17 | -0.05 | |
| 241 | 21:38:22.66 | 57:14:30.1[r] | 268 | 461 | | 11.35[l] | 10.28[l] | 9.08[l] | | | 6.930 (19) | 6.401 (51) | 6.256 (23)[r] | G8 K5[q] | | | -0.1 (1.2) | -1.5 (1.1) | 1.5 (0.6) | -1.2 (0.7) | 0.05 | -0.02 | |
| 242 | 21:38:30.95 | 57:14:20.0[r] | 269 | 3269 | | | | 14.8[j] | | | 13.312 (24) | 13.070 (35) | 12.918 (32)[r] | | | | -2 (4) | -2.6 (4) | -0.3 (6.9) | -3.2 (6.9) | -0.59 | 0.09 | |
| 243 | 21:38:45.75 | 57:11:58.0[r] | 270 | 3270 | | | | 14.8[j] | | | 12.754 (26) | 12.405 (32) | 12.271 (25)[r] | | | | -3.4 (4) | -1.7 (4) | 3 (6.8) | 5.7 (6.8) | -0.2 | -0.02 | |
| 244 | 21:38:52.84 | 57:13:30.2[r] | 272 | 3272 | | | | 14.9[j] | | | 11.721 (26) | 10.959 (26) | 10.750 (23)[r] | | | | -4.5 (4) | -6.2 (4) | -7.9 (6.8) | -0.8 (6.9) | | | |
| 245 | 21:38:44.57 | 57:14:10.4[r] | 273 | 464 | | | | 10.1[j] | | | 9.236 (23) | 9.046 (29) | 8.970 (20)[r] | F5[q] | | | 15.7 (1.6) | 17.4 (1.6) | 21.3 (0.7) | 16.6 (0.6) | -2.63 | 2.31 | |
| 246 | 21:38:39.11 | 57:14:46.2[r] | 274 | 3274 | | | | 11.9[j] | | | 10.894 (26) | 10.508 (30) | 10.429 (21)[r] | | | | 13.9 (2.7) | 14.1 (2.7) | 19.8 (0.9) | 20.1 (1.1) | -2.58 | 2.34 | |
| 247 | 21:38:26.99 | 57:14:55.0[r] | 275 | 3275 | | 16.27[l] | 15.57[h] | 14.68[h] | 14.07 | 13.51[i] | 12.530 (27) | 12.178 (29) | 12.033 (23)[r] | A0[h] | | 2.78[h] | -5.8 (4) | 1.1 (4) | -8 (6.8) | 7.3 (6.9) | -0.15 | 0.25 | Dec [h] imprec. |
| 248 | 21:38:29.63 | 57:15:06.6[r] | 276 | 3276 | | 15.30[l] | 14.8[f] | 13.82[e] | 13.2 | 12.61[i] | 11.730 (32) | 11.310 (35) | 11.178 (29)[r] | F4[e] | | 1.8[e] | -12.4 (4) | -8.3 (4) | -37.6 (7) | -29.1 (7.1) | -0.2 | -0.01 | |
| 249 | 21:38:29.63 | 57:15:06.6[r] | 276 | 3276 | | 15.30[l] | 14.8[f] | 13.82[e] | 13.2 | 12.61[i] | 11.730 (32) | 11.310 (35) | 11.178 (29)[r] | F4[e] | | 1.8[e] | | | | | -0.2 | -0.01 | |
| 250 | 21:38:25.60 | 57:15:39.8[r] | 277 | 3277 | | | | 12.8[j] | | | 11.403 (26) | 11.129 (31) | 11.002 (21)[r] | | | | -11.4 (4) | -6.1 (4) | -15 (7.1) | -5.3 (7.1) | 0.29 | -0.17 | |
| 251 | 21:38:40.06 | 57:15:47.8[r] | 278 | 3278 | | | | 14.8[j] | | | 12.945 (29) | 12.582 (29) | 12.475 (29)[r] | | | | 4.3 (4) | -6.4 (4) | 8.9 (6.8) | -1.4 (6.8) | -0.53 | 0.37 | |
| 252 | 21:38:43.96 | 57:15:56.2[r] | 279 | 3279 | | | | 14.9[j] | | | 13.307 (29) | 13.028 (29) | 12.927 (32)[r] | | | | 13 (4) | -3.8 (4) | 71.9 (6.8) | 4.2 (6.8) | | | |
| 253 | 21:38:08.59 | 57:17:45.0[r] | 280 | 3280 | | | | 15[j] | | | 13.039 (27) | 12.721 (30) | 12.603 (28)[r] | | | | -7.6 (4) | 3.6 (4) | -7.1 (6.8) | 10.9 (6.7) | | | |
| 254 | 21:38:12.97 | 57:17:21.0[r] | 281 | 3281 | | | | 15[j] | | | 13.275 (35) | 12.843 (40) | 12.481 ()[r] | | | | -38.4 (5.4) | -34.6 (5.4) | | | 0.11 | -0.92 | 2x[r] |
| 255 | 21:38:13.34 | 57:17:17.3[r] | 281 | 3281 | | | | 15[j] | | | 16.066 (114) | 15.625 (173) | 13.906 ()[r] | | | | | | | | 0.11 | -0.92 | 2x[r] (faint) |

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 256 | 21:38:19.73 | 57:17:23.4[r] | 282 | 3282 | | | | 15[j] | | | 13.115 (29) | 12.750 (30) | 12.627 (26)[r] | | | -9.7 (4) | -3 (4) | -10.8 (6.8) | 2.6 (6.9) | | | |
| 257 | 21:38:21.53 | 57:18:22.8[r] | 283 | 3283 | | | | 15.1[j] | | | 13.350 (26) | 13.028 (29) | 12.902 (29)[r] | | | -8.7 (4) | 2.7 (4) | -6.6 (6.9) | 6.1 (6.9) | | | |
| 258 | 21:38:30.40 | 57:18:13.2[r] | 284 | 3284 | | | | 15[j] | | | 12.184 (27) | 11.514 (31) | 11.335 (23)[r] | | | -15.4 (4) | -9.5 (4) | -48.8 (6.9) | -19.8 (6.8) | -0.25 | -0.51 | |
| 259 | 21:38:33.06 | 57:18:55.8[r] | 285 | 3285 | | | | 14.8[j] | | | 11.558 (26) | 10.807 (31) | 10.591 (19)[r] | | | -2.6 (4) | -2.2 (4) | -0.1 (6.9) | 3.5 (6.8) | -0.39 | -0.06 | |
| 260 | 21:38:47.24 | 57:16:59.3[r] | 286 | 3286 | | | | 12.6[j] | | | 10.138 (23) | 9.499 (31) | 9.294 (23)[r] | | | -9.7 (5.1) | -5 (5.1) | -8.3 (7.3) | -2.8 (7.3) | 0.82 | -0.61 | |
| 261 | 21:38:50.70 | 57:15:29.9[r] | 287 | 3287 | | | | 13.4[j] | | | 10.806 (23) | 10.179 (28) | 10.030 (23)[r] | | | -6.8 (4) | -5.3 (4) | -4.3 (7.2) | -8.3 (7.1) | 0.2 | -0.27 | |
| 262 | 21:38:59.92 | 57:16:28.2[r] | 290 | 3290 | | | | 14.1[j] | | | 12.479 (26) | 12.276 (32) | 12.118 (25)[r] | | | -3.7 (4) | -6.8 (4) | -6.2 (6.7) | -0.3 (6.7) | 0.29 | -0.53 | |
| 263 | 21:39:06.39 | 57:14:31.4[r] | 291 | 3291 | | | | 14.7[j] | | | 12.705 (25) | 12.312 (29) | 12.178 (26)[r] | | | -1.3 (4) | -4.8 (4) | -4.2 (6.8) | 1.4 (6.8) | -0.26 | 0.37 | |
| 264 | 21:39:13.08 | 57:13:50.5[r] | 292 | 3292 | | | | 14.6[j] | | | 12.810 (29) | 12.457 (31) | 12.348 (28)[r] | | | -12.5 (4) | 3.2 (4) | -21.5 (6.8) | 14.1 (6.8) | -0.67 | 0.56 | |
| 265 | 21:39:13.91 | 57:12:54.3[r] | 293 | 3293 | | 11.92[l] | 11.97[l] | 11.69[l] | | | 11.065 (22) | 11.033 (29) | 11.022 (20)[r] | | | -6.4 (1.7) | -12 (1.7) | -3.5 (0.8) | -6.2 (1.8) | 0.02 | -0.16 | |
| 266 | 21:39:10.77 | 57:12:00.6[r] | 294 | 3294 | | | 13.73[l] | 11.72[l] | | | 7.715 (26) | 6.829 (33) | 6.502 (21)[r] | | | -19.4 (13) | -25.9 (13) | -16 (11.7) | -11.7 (16) | -0.07 | 0.12 | |
| 267 | 21:39:00.56 | 57:16:46.1[r] | 295 | 3295 | | | | 12.9[j] | | | 11.606 (25) | 11.296 (29) | 11.202 (25)[r] | | | -15.5 (4) | -21.3 (4) | -5.6 (7.2) | -10.5 (7.1) | 1.91 | -1.93 | |
| 268 | 21:38:58.00 | 57:17:00.8[r] | 296 | 3296 | | | | 13.3[j] | | | 12.082 (25) | 11.856 (29) | 11.772 (22)[r] | | | -4.7 (4) | -1.7 (4) | 1 (6.9) | 8.5 (6.9) | -0.18 | 0.07 | |
| 269 | 21:38:56.93 | 57:17:56.7[r] | 297 | 3297 | | | | 12.2[j] | | | 11.090 (23) | 10.872 (28) | 10.814 (22)[r] | | | -0.4 (12.5) | -0.2 (12.5) | 1 (1) | 1.6 (0.9) | -0.34 | 0.54 | |
| 270 | 21:38:39.85 | 57:19:44.9[r] | 298 | 3298 | | | | 12.8[j] | | | 11.335 (24) | 10.964 (31) | 10.849 (19)[r] | | | -3.4 (4) | 9.2 (4) | 18.2 (7.2) | 7.1 (7.2) | -0.32 | 0.79 | |
| 271 | 21:38:17.22 | 57:19:50.5[r] | 299 | 3299 | | 15.53[l] | 14.38[l] | 12.93[l] | | | 10.115 (26) | 9.378 (31) | 9.205 (21)[r] | | | -6.5 (5.1) | -2.8 (5.1) | -2.8 (7.3) | 5.7 (7.3) | 0.15 | 0.04 | |
| 272 | 21:38:04.83 | 57:20:23.1[r] | 300 | 3300 | | | | 13.6[j] | | | 12.201 () | 12.097 () | 12.133 (35)[r] | | | -9.2 (4) | -15.6 (4) | -16.7 (6.9) | -32.1 (6.9) | -0.13 | 0.18 | |
| 273 | 21:38:13.25 | 57:20:44.6[r] | 301 | 3301 | | | | 12.2[j] | | | 10.089 (26) | 9.473 (30) | 9.339 (19)[r] | | | -10.6 (5.1) | 14 (5.1) | -11 (7.4) | 19.9 (7.4) | 0.05 | 1.9 | |
| 274 | 21:39:09.39 | 57:15:34.9[r] | 302 | 3302 | | | 16.45[l] | 14.84[l] | 13.97 | 13.16[i] | 11.739 (23) | 11.101 (28) | 10.900 (22)[r] | | | -3.8 (4) | -3.6 (4) | -11.9 (6.8) | -3 (6.8) | -0.36 | 0.3 | |
| 275 | 21:39:15.36 | 57:15:02.4[r] | 303 | 3303 | | | | 15[j] | | | 15.746 (85) | 15.116 (119) | 15.035 (144)[r] | | | | | -26.5 (6.8) | 41.7 (6.8) | | | 2x[r] (faint) |
| 276 | 21:39:15.11 | 57:15:06.1[r] | 303 | 3303 | | | | 15[j] | | | 13.331 (32) | 12.991 (41) | 12.899 (34)[r] | | | -9 (4) | 7.3 (4) | -26.5 (6.8) | 41.7 (6.8) | | | 2x[r] |
| 277 | 21:39:12.95 | 57:14:14.2[r] | 304 | 3304 | | | | 15[j] | | | 10.370 (23) | 9.235 (28) | 8.854 (20)[r] | | | 4.1 (6.6) | 67.5 (6.6) | 11.6 (7.1) | 44.5 (7.2) | | | |
| 278 | 21:38:11.85 | 57:21:11.2[r] | 307 | 3307 | | | | 15[j] | | | 13.109 (24) | 12.598 (31) | 12.457 (23)[r] | | | -21.4 (4) | 2.6 (4) | -22 (6.9) | 7.2 (7.1) | | | |
| 279 | 21:38:13.90 | 57:21:16.0[r] | 308 | 3308 | | | | 15.1[j] | | | 11.891 (26) | 11.123 (31) | 10.818 (18)[r] | | | -5 (4) | 2.5 (4) | 26.1 (6.7) | 22.9 (6.7) | | | |
| 280 | 21:38:19.46 | 57:21:11.8[r] | 309 | 3309 | | | | 15[j] | | | 12.201 (24) | 11.261 (31) | 10.947 (23)[r] | | | -1.3 (4) | -4.1 (4) | -1.7 (7.3) | 3.9 (7.1) | | | new coordinates |
| 281 | 21:39:27.25 | 57:17:07.3[r] | 310 | 3310 | | | | 14.7[j] | | | 12.082 (25) | 11.487 (28) | 11.364 (23)[r] | | | -2.9 (4) | 4.6 (4) | -3.3 (7.4) | 0.3 (7.4) | -0.17 | 0.6 | |
| 282 | 21:39:34.56 | 57:15:19.2[r] | 311 | 3311 | | | | 14.4[j] | | | 12.645 (32) | 12.327 (40) | 12.214 (32)[r] | | | 1.6 (17.5) | -2.7 (17.5) | 4.7 (7) | -6.4 (7) | 0.39 | 0.02 | |
| 283 | 21:39:55.66 | 57:14:49.2[r] | 312 | 3312 | | | 15.04[h] | 14.05[h] | 13.88 | 13.3[i] | 12.445 (24) | 11.989 (31) | 11.891 (26)[r] | F9[h] | 1.28[h] | -5.3 (4.1) | -1.2 (4.1) | -2.8 (6.8) | 0.6 (6.8) | 0.22 | -0.28 | Dec [h] imprec. |
| 284 | 21:39:57.96 | 57:13:33.5[j] | 313 | 3313 | | | | 14.4[j] | | | | | | | | | | | | | | no star |
| 285 | 21:39:56.97 | 57:12:42.2[r] | 314 | 3314 | | | | 12.6[j] | | | 10.180 (24) | 9.476 (30) | 9.295 (22)[r] | | | -0.6 (5.1) | -0.1 (5.1) | 4.2 (7.5) | -1.4 (7.5) | -0.79 | 0.16 | |
| 286 | 21:39:46.84 | 57:12:09.9[r] | 315 | 3315 | | | | 14.6[j] | | | 12.916 (28) | 12.703 (36) | 12.576 (32)[r] | | | -6 (4.1) | 4.4 (4.1) | -10.8 (6.8) | 20.9 (6.8) | -0.17 | -0.07 | |
| 287 | 21:40:08.48 | 57:12:04.9[r] | 316 | 3316 | | | | 12.1[j] | | | 9.788 (23) | 9.116 (30) | 8.975 (20)[r] | | | -18.5 (12.7) | 6.4 (12.7) | -15.4 (8.2) | 5.9 (8.1) | -0.15 | 0.46 | |
| 288 | 21:40:09.93 | 57:11:43.5[r] | 317 | 3317 | | | | 9.6[j] | | | 6.391 (41) | 5.640 (26) | 5.368 (18)[r] | | | 3.9 (1.6) | 3.2 (1.6) | 5.2 (1.1) | 0.4 (1.1) | -0.3 | 0.36 | |
| 289 | 21:40:04.45 | 57:14:41.7[r] | 318 | 483 | | | | 11.2[j] | | | 10.415 (23) | 10.216 (30) | 10.122 (20)[r] | F8[q] | | 11.5 (1.7) | -7.3 (1.7) | 13.7 (0.8) | -5.3 (1) | -1.57 | -0.06 | |
| 290 | 21:39:38.59 | 57:17:05.1[r] | 319 | 478 | | | | 11.1[j] | | | 10.457 (24) | 10.284 (28) | 10.231 (22)[r] | A0[q] | | 3 (1.7) | -8.7 (1.7) | 4.1 (0.7) | -2.4 (1.3) | -0.61 | 0.33 | |
| 291 | 21:39:46.27 | 57:16:59.4[r] | 320 | 3320 | | | 14.42[h] | 13.51[h] | 12.95 | 13.46[i] | 11.721 (29) | 11.443 (38) | 11.324 (28)[r] | F6[h] | 1.4[h] | -7.2 (4.1) | 1.6 (4.1) | 8 (7.2) | 3.5 (7.2) | 0.32 | 0.2 | Dec [h] imprec. |
| 292 | 21:39:51.42 | 57:16:56.6[r] | 321 | 3321 | | | 14.99[h] | 14.27[h] | 13.86 | 13.4[i] | 12.715 (24) | 12.476 (36) | 12.350 (29)[r] | A0[h] | 2.25[h] | -5.3 (4.1) | 5.5 (4.1) | -15.8 (6.8) | 12.4 (6.8) | -0.14 | 0.25 | |
| 293 | 21:39:36.85 | 57:17:47.5[r] | 323 | 3323 | | | | 14.8[j] | | | 12.563 (24) | 12.094 (35) | 11.943 (26)[r] | | | 14.9 (4.1) | 2.9 (4.1) | 20.6 (6.8) | 2.5 (6.8) | -2.07 | 0.72 | |
| 294 | 21:39:50.47 | 57:18:35.6[r] | 325 | 3325 | | | | 14.8[j] | | | 13.051 (24) | 12.694 (27) | 12.631 (32)[r] | | | -3.4 (4.1) | -0.2 (4.1) | -0.5 (6.8) | 7 (6.8) | 0.11 | -0.66 | |
| 295 | 21:39:55.16 | 57:17:42.5[r] | 326 | 3326 | | | 16.75[l] | 14.38[l] | 12.94 | 11.53[i] | 9.454 (24) | 8.440 (32) | 7.993 (21)[r] | | | 85 (6.6) | 165.5 (6.6) | -2.1 (7) | 18 (7) | 0.1 | -0.09 | |
| 296 | 21:40:08.17 | 57:18:15.8[r] | 328 | 3328[a] | | | 17.43[l] | 14.67[i] | 13.71 | 12.81[i] | 11.383 (24) | 10.659 (32) | 10.417 (23)[r] | K3[q] | | -0.6 (4.1) | 3.8 (4.1) | 29.9 (6.7) | 17.5 (6.7) | 0.01 | -0.18 | |
| 297 | 21:40:19.69 | 57:18:09.7[r] | 329 | 3329 | | | | 14[j] | | | 11.447 (24) | 10.986 (33) | 10.844 (19)[r] | | | -14.7 (4.1) | -18.5 (4.1) | -3.1 (7.1) | 5 (7.1) | 1.35 | -1.9 | |
| 298 | 21:40:11.22 | 57:14:31.1[r] | 330 | 3330 | | | | 13.3[j] | | | 10.606 (24) | 10.014 (30) | 9.810 (22)[r] | | | -8.4 (5.1) | -2.1 (5.1) | -8.5 (7.2) | -7.6 (7.2) | 0.1 | -0.1 | |
| 299 | 21:41:00.55 | 57:11:39.9[r] | 335 | 3335 | | 15.13[l] | 13.97[l] | 12.53[l] | | | 9.695 (24) | 9.086 (32) | 8.896 (19)[r] | | | -4.8 (5.1) | -2.3 (5.1) | -5.3 (7.8) | 4.8 (7.8) | -0.07 | 0.26 | |
| 300 | 21:41:03.49 | 57:14:17.5[r] | 336 | 3336 | | | | 13.9[j] | | | 11.438 (36) | 11.077 () | 10.571 ()[r] | | | 5.1 (4.1) | 11.7 (4.1) | -9.3 (7.1) | -6.9 (7.2) | -0.51 | -0.02 | |
| 301 | 21:40:58.74 | 57:16:13.3[r] | 337 | 3337 | | | 14.96[l] | 12.85[l] | | | 7.197 (26) | 6.149 (51) | 5.735 (16)[r] | | | -8 (5.1) | -8.4 (5.1) | -11.7 (7.7) | -16.6 (7.8) | 0.23 | -0.34 | |
| 302 | 21:39:43.17 | 57:20:29.7[r] | 338 | 3338 | | | | 12.5[j] | | | 10.697 (26) | 10.323 (32) | 10.183 (23)[r] | | | -7.3 (4.1) | 10.2 (4.1) | -1.8 (4.1) | 1.5 (6.5) | 0.05 | 0.15 | |
| 303 | 21:39:46.44 | 57:20:27.1[r] | 339 | 3339 | | | | 11[j] | | | 6.417 (18) | 5.430 (20) | 5.061 (23)[r] | | | 0.9 (5.1) | 4.9 (5.1) | -0.6 (7.5) | 14.7 (7.4) | -0.66 | 0.32 | |
| 304 | 21:39:44.10 | 57:21:03.8[r] | 340 | 3340 | | | | 14.9[j] | | | 11.251 (24) | 10.309 (28) | 10.068 (22)[r] | | | 1.2 (4.1) | -1.8 (4.1) | 12.5 (6.9) | 3.5 (6.9) | | | |
| 305 | 21:39:47.56 | 57:21:03.3[r] | 341 | 3341 | | | | 13.8[j] | | | 12.142 (24) | 11.707 (28) | 11.574 (23)[r] | | | -4 (4.1) | -13.8 (4.1) | 4.3 (7.1) | -10.4 (7.1) | 0.6 | -1.24 | |
| 306 | 21:39:50.44 | 57:21:29.0[r] | 342 | 3342 | | | | 14.8[j] | | | 12.807 () | 12.559 () | 12.447 ()[r] | | | -9.7 (4.1) | -8.8 (4.1) | -17.1 (6.9) | -33.4 (6.9) | 0.05 | 0.04 | |

[a] also 5091

R. Errmann et al.: Stellar content of Trumpler 37

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 307 | 21:39:44.46 | 57:21:53.8[r] | 343 | 3343 | | | | 12.7[j] | | | 11.708 (23) | 11.496 (31) | 11.410 (20)[r] | | | -9.5 (4.1) | -2.6 (4.1) | -9.1 (0.5) | -5.9 (1.3) | 0.49 | -0.37 | |
| 308 | 21:39:47.45 | 57:22:05.9[r] | 344 | 3344 | | | | 14.6[j] | | | 12.404 (32) | 12.000 (40) | 11.838 (26)[r] | | | 2.3 (7.2) | -3.2 (7.2) | -30.7 (6.4) | -23.6 (6.3) | 0.61 | -0.47 | |
| 309 | 21:39:52.71 | 57:22:00.1[r] | 345 | 3345 | | | | 11.6[j] | | | 10.374 (24) | 10.134 (27) | 9.986 (20)[r] | | | -6.1 (5.1) | -0.3 (5.1) | -11.4 (1.9) | -8.4 (2.5) | 0.91 | -0.4 | |
| 310 | 21:39:55.27 | 57:21:35.4[r] | 346 | 3346 | | | | 14.8[j] | | | 13.034 (26) | 12.752 (36) | 12.634 (34)[r] | | | -4 (4.1) | 1.1 (4.1) | 2.1 (7) | 9.5 (6.8) | 0.15 | 0.18 | |
| 311 | 21:40:12.58 | 57:21:12.4[r] | 348 | 3348 | | | | 13.2[j] | | | 12.152 (23) | 11.927 (30) | 11.824 (22)[r] | | | -14.3 (4.1) | -2.4 (4.1) | -1.4 (7) | 6.5 (7) | -0.07 | -0.14 | |
| 312 | 21:40:20.90 | 57:19:52.4[r] | 349 | 3349 | | | | 15.1[j] | | | 13.099 (27) | 12.736 (35) | 12.583 (24)[r] | | | -4.4 (4.1) | -5.6 (4.1) | 1.9 (6.9) | 14.3 (6.9) | | | |
| 313 | 21:40:10.60 | 57:18:57.8[r] | 350 | 3350 | | | | 15[j] | | | 11.195 (24) | 10.280 (31) | 9.963 (23)[r] | | | -10.6 (5.1) | -0.2 (5.1) | 20.5 (6.9) | 2.7 (6.9) | | | |
| 314 | 21:40:23.68 | 57:19:41.2[r] | 352 | 3352 | | | | 15.1[j] | | | 11.367 (26) | 10.449 (32) | 10.129 (21)[r] | | | -0.4 (4.1) | -10.6 (4.1) | 7.8 (6.9) | -0.3 (6.8) | | | |
| 315 | 21:40:27.18 | 57:19:05.4[r] | 353 | 3353 | | | | 14.8[j] | | | 11.374 () | 10.573 () | 10.468 (45)[r] | | | | | | | -0.26 | -0.16 | 3x[r] |
| 316 | 21:40:26.71 | 57:19:08.3[r] | 353 | 3353 | | | | 14.8[j] | | | 12.872 () | 12.514 () | 11.176 ()[r] | | | | | | | -0.26 | -0.16 | 3x[r] |
| 317 | 21:40:27.08 | 57:19:08.9[r] | 353 | 3353 | | | | 14.8[j] | | | 11.585 () | 10.830 () | 12.152 ()[r] | | | 24.3 (4.1) | 28.5 (4.1) | | | -0.26 | -0.16 | 3x[r] |
| 318 | 21:40:33.55 | 57:19:40.0[r] | 354 | 3354 | | | | 13.2[j] | | | 11.719 (27) | 11.387 (36) | 11.260 (28)[r] | | | -5.8 (15) | -11.8 (15) | | | 0.94 | -1.41 | |
| 319 | 21:40:32.62 | 57:19:42.3[r] | 355 | 3355 | | | | 15[j] | | | 13.064 (39) | 12.641 (40) | 12.524 (33)[r] | | | | | | | 0.66 | -0.48 | |
| 320 | 21:40:36.17 | 57:19:51.8[r] | 356 | 3356 | | | | 14.9[j] | | | 11.383 (24) | 10.639 (32) | 10.329 (19)[r] | | | -6.6 (4.1) | -0.1 (4.1) | -4.5 (6.8) | 5.8 (7.1) | 0.51 | 0.42 | |
| 321 | 21:40:42.51 | 57:20:25.7[r] | 357 | 3357 | | | | 14.8[j] | | | 12.797 () | 12.541 () | 12.283 (43)[r] | | | -2.8 (4.1) | -9.1 (4.1) | 20.2 (6.3) | -9.3 (6.3) | 0.5 | -0.06 | |
| 322 | 21:40:44.92 | 57:20:04.5[r] | 358 | 3358 | | | | 15.1[j] | | | 11.676 (24) | 10.916 (35) | 10.658 (21)[r] | | | -8.2 (4.1) | -6.2 (4.1) | -10.3 (6.9) | 7 (6.8) | | | |
| 323 | 21:40:47.44 | 57:20:00.5[r] | 359 | 3359 | | | | 13.8[j] | | | 10.055 (24) | 9.159 (33) | 8.863 (19)[r] | | | -4.8 (5.1) | -1.2 (5.1) | 2.6 (7.2) | 3.1 (7.2) | 0.1 | -0.16 | |
| 324 | 21:40:53.99 | 57:18:47.9[r] | 360 | 3360 | | | | 13[j] | | | 10.682 (26) | 10.079 (33) | 9.870 (21)[r] | | | -0.2 (5.1) | 5.1 (5.1) | 2.7 (7.2) | 5.4 (7.2) | -0.43 | 0.39 | |
| 325 | 21:40:58.43 | 57:19:45.3[r] | 361 | 3361 | | | | 13.8[j] | | | 12.141 (27) | 11.705 (32) | 11.621 (21)[r] | | | -13.3 (12.7) | 0.7 (12.7) | -34.9 (6.7) | 26.4 (6.7) | .01 | 0.62 | |
| 326 | 21:40:59.52 | 57:19:41.9[r] | 362 | 3362 | | | | 13.8[j] | | | 12.582 (27) | 12.447 (31) | 12.315 (30)[r] | | | -12.5 (10.9) | 2.3 (10.9) | 11 (5.9) | -1.2 (5.8) | .14 | 0.11 | |
| 327 | 21:41:19.77 | 57:16:34.4[r] | 363 | 3363 | | | | 12.6[j] | | | 11.600 (24) | 11.444 (32) | 11.356 (24)[r] | | | -10.8 (4.1) | -5.9 (4.1) | -10.4 (0.7) | -6.3 (0.7) | 0.71 | -0.44 | |
| 328 | 21:41:12.64 | 57:20:47.1[r] | 364 | 3364 | | | | 14[j] | | | 12.285 (26) | 11.975 (33) | 11.862 (23)[r] | | | 3 (4.1) | 3.3 (4.1) | 10.3 (6.9) | 12.1 (6.9) | -0.8 | 0.23 | |
| 329 | 21:41:29.31 | 57:16:28.6[r] | 365 | 3365 | | | | 12.9[j] | | | 13.100 (34) | 12.724 (37) | 12.588 (30)[r] | | | -12 (4.1) | -6.3 (4.1) | -1.9 (6.9) | 13.8 (7) | | | new coordinates |
| 330 | 21:41:31.74 | 57:18:13.9[r] | 366 | 3366 | | | | 12.6[j] | | | 11.498 (27) | 11.323 (32) | 11.191 (24)[r] | | | -8.6 (4.1) | 2.4 (4.1) | -17.4 (7.4) | 34.5 (7.4) | 0.17 | 0.02 | |
| 331 | 21:41:31.86 | 57:18:29.1[r] | 367 | 3367 | 13.86[l] | 13.04[h] | 12.07[h] | | | 11.347 (26) | 11.109 (32) | 11.015 (21)[r] | A5[h] | 1.84[h] | -5.3 (4.1) | 3.2 (4.1) | -3.9 (1.2) | -0.7 (2.9) | 0.19 | 0.09 | Dec [h] imprec. |
| 332 | 21:39:38.51 | 57:24:05.6[r] | 368 | 3368 | | | 14.3[j] | | | 9.474 (24) | 8.387 (29) | 7.990 (21)[r] | | | -0.8 (5.1) | 4 (5.1) | -10.4 (7) | 26.4 (7) | 0.16 | 0.44 | |
| 333 | 21:39:45.28 | 57:23:29.5[r] | 369 | 3369 | 12.72[l] | 12.34[l] | 11.8[l] | | | 10.648 (23) | 10.480 (30) | 10.419 (23)[r] | | | -5.9 (2.7) | -3.8 (2.7) | -6.1 (0.7) | -4.6 (0.9) | 0.22 | 0.03 | |
| 334 | 21:39:34.23 | 57:22:31.4[r] | 370 | 3370 | | | 14.7[j] | | | 11.537 (23) | 10.839 (32) | 10.610 (22)[r] | | | -8.8 (4.1) | -5.6 (4.1) | -20.7 (7.4) | -13.2 (7.4) | 0.1 | 0.35 | |
| 335 | 21:39:46.30 | 57:24:01.0[r] | 371 | 3371 | 14.50[l] | 14[h] | 13.32[h] | | | 11.933 (24) | 11.753 (32) | 11.626 (28)[r] | A9[h] | 1.28[h] | -1.6 (4.1) | 3 (4.1) | 5.4 (7.2) | 24.1 (7.1) | -0.2 | 0.25 | |
| 336 | 21:39:50.46 | 57:24:44.9[r] | 372 | 3372 | | | 14.6[j] | | | 12.661 (26) | 12.274 (30) | 12.172 (26)[r] | | | -4.7 (4.1) | -4.4 (4.1) | -4.7 (6.8) | 9.9 (6.8) | 0.34 | 0.15 | |
| 337 | 21:39:54.82 | 57:24:23.7[r] | 373 | 3373 | | | 14.4[j] | | | 9.642 (24) | 8.535 (31) | 8.149 (18)[r] | | | 8.2 (13.9) | 6.9 (13.9) | 31.6 (6.9) | 16.9 (6.9) | 0.07 | -0.17 | new coordinates |
| 338 | 21:40:05.85 | 57:23:23.7[r] | 374 | 3374 | 14.93[l] | 13.65[l] | 12.17[l] | | | 9.363 (23) | 8.736 (31) | 8.528 (20)[r] | | | -4.4 (10.9) | 0.8 (10.9) | -2 (6.8) | -0.5 (11.6) | 0.01 | 0.06 | |
| 339 | 21:40:02.42 | 57:23:05.7[r] | 375 | 3375 | | | 12.5[j] | | | 11.529 (23) | 11.330 (31) | 11.226 (22)[r] | | | -9.7 (4.1) | -13.1 (4.1) | -3.2 (0.8) | -12.4 (12.7) | -0.13 | -0.61 | |
| 340 | 21:40:16.09 | 57:22:32.9[r] | 376 | 3376 | | | 15[j] | | | 13.001 () | 12.361 () | 12.694 ()[r] | | | -10.1 (4.1) | -15 (4.1) | | | | | near 340 |
| 341 | 21:40:16.69 | 57:22:29.8[r] | 377 | 3377 | | | 15.1[j] | | | 15.138 (61) | 14.441 (73) | 14.185 (78)[r] | | | -46.1 (7.7) | 15.4 (7.7) | -15.9 (10.4) | -39.8 (10.5) | | | near 339 |
| 342 | 21:40:20.54 | 57:23:01.3[r] | 379 | 3379 | | | 13.1[j] | | | 8.671 (37) | 7.580 (36) | 7.238 (33)[r] | | | -3.5 (5.1) | 0.1 (5.1) | -4.7 (7.3) | 5.1 (7.3) | -0.01 | 0.14 | |
| 343 | 21:40:20.52 | 57:23:29.5[r] | 380 | 3380 | | | 15.1[j] | | | 13.071 (27) | 12.755 (27) | 12.535 (28)[r] | | | 0.1 (4.1) | 4.3 (4.1) | 14.6 (6.9) | 21.9 (6.9) | | | |
| 344 | 21:40:31.18 | 57:23:33.0[r] | 381 | 3381 | | | 14.9[j] | | | 13.002 (29) | 12.551 (31) | 12.461 (26)[r] | | | -11.6 (4.1) | -3.6 (4.1) | -5.8 (6.8) | 4.2 (6.8) | 0.15 | -0.2 | |
| 345 | 21:40:30.07 | 57:22:51.1[r] | 383 | 3383 | | | 14.2[j] | | | 12.381 (27) | 12.011 (32) | 11.898 (29)[r] | | | -8.3 (4.1) | 10.7 (4.1) | -15.2 (5.6) | 44.8 (5.9) | 0.01 | 0.32 | |
| 346 | 21:40:32.67 | 57:23:10.5[r] | 384 | 3384 | | | 14.8[j] | | | 13.087 (31) | 12.761 (35) | 12.667 (28)[r] | | | 2.2 (4.1) | -3.1 (4.1) | 18.7 (6.8) | 4.4 (6.8) | 0.44 | 0.27 | |
| 347 | 21:40:39.21 | 57:22:01.7[r] | 385 | 3385 | | | 14.2[j] | | | 11.099 (27) | 10.309 (30) | 10.127 (21)[r] | | | -3.4 (4.1) | 2.7 (4.1) | 2.1 (6.9) | 13.5 (6.9) | -0.39 | 0.47 | |
| 348 | 21:40:41.97 | 57:23:04.5[r] | 386 | 3386 | | | 15.2[j] | | | | | | | | | | | | | | no star |
| 349 | 21:40:50.88 | 57:20:32.8[r] | 389 | 3389 | | | 14.9[j] | | | 12.947 (29) | 12.515 (38) | 12.414 (32)[r] | | | -1.2 (4.1) | -1.3 (4.1) | -2.4 (6.8) | 7.3 (6.8) | -0.27 | 0.55 | |
| 350 | 21:40:57.52 | 57:22:09.3[r] | 390 | 3390 | | | 14.3[j] | | | 12.605 (29) | 12.269 (33) | 12.173 (24)[r] | | | -5.5 (4.1) | 3.1 (4.1) | 10 (6.8) | 8.1 (6.8) | -0.13 | 0.34 | |
| 351 | 21:41:01.54 | 57:22:59.2[r] | 391 | 3391 | | | 14.5[j] | | | 10.759 (26) | 9.870 (28) | 9.658 (24)[r] | | | -7.8 (5.1) | -2.7 (5.1) | 47 (6.8) | -21.6 (6.8) | 0.09 | 0.43 | |
| 352 | 21:39:27.81 | 57:26:12.2[r] | 392 | 3392 | | | 15[j] | | | 12.626 (32) | 12.164 () | 12.042 ()[r] | | | 6.6 (4) | 2.3 (4) | 14.9 (6.8) | 19.3 (6.8) | | | |
| 353 | 21:39:35.48 | 57:25:33.7[r] | 393 | 3393 | | | 14.8[j] | | | 13.074 (24) | 12.798 (32) | 12.652 (28)[r] | | | -7 (4.1) | -4.2 (4.1) | -14.3 (6.8) | 5.8 (6.8) | 0.15 | -0.26 | |
| 354 | 21:39:39.55 | 57:25:33.2[r] | 394 | 3394 | | | 14.8[j] | | | 12.767 (24) | 12.281 (32) | 12.171 (26)[r] | | | -24.8 (4.1) | -10.3 (4.1) | -15.8 (6.8) | 16.5 (6.9) | | | |
| 355 | 21:39:41.88 | 57:26:00.6[r] | 395 | 3395 | | | 15.1[j] | | | 11.756 (23) | 10.930 (31) | 10.718 (22)[r] | | | 2.3 (4.1) | 2.9 (4.1) | 3.2 (6.8) | 9.6 (7) | | | |
| 356 | 21:39:44.84 | 57:25:46.9[j] | 396 | 3396 | | | 14.2[j] | | | | | | | | | | | | | | no star |
| 357 | 21:39:44.58 | 57:25:38.9[r] | 397 | 3397 | | | 14.2[j] | | | 14.345 (38) | 13.698 (43) | 13.548 (48)[r] | | | -7.7 (4.1) | 10.4 (4.1) | | | | | no/faint star |
| 358 | 21:39:46.21 | 57:26:10.3[r] | 398 | 3398[a] | 14.22[k] | 14.31[f] | 13.68[e] | | | 12.291 (21) | 12.130 (31) | 11.998 (25)[r] | A8[e] | 1.3[e] | -5.7 (4.1) | -0.8 (4.1) | -0.6 (6.9) | 8.7 (6.9) | 0.14 | 0.01 | |

[a] also 5089

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | $U$ mag | $B$ mag | $V$ mag | $R$ mag | $I$ mag | $J$ mag | $H$ mag | $K$ mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 359 | 21:39:47.99 | 57:25:49.5[r] | 399 | 3399 | | | | 14.8[j] | | | 11.460 (24) | 10.709 (27) | 10.462 (22)[r] | | | -0.2 (4.1) | 0.2 (4.1) | -3 (6.8) | 5.8 (6.8) | 0.25 | -0.22 | |
| 360 | 21:38:12.01 | 57:21:39.4[r] | 400 | 3400 | | | | 14.7[j] | | | 12.955 (26) | 12.560 (29) | 12.445 (21)[r] | | | -6.3 (4) | 1.1 (4) | -7.5 (6.8) | 8.5 (6.8) | 0.12 | 0.01 | |
| 361 | 21:38:19.93 | 57:21:55.5[r] | 402 | 3402 | | | | 12.3[j] | | | 11.154 (29) | 10.771 (32) | 10.677 (24)[r] | | | -10.5 (4) | 29.5 (4) | -29.8 (7.9) | 89.2 (7.9) | -1.52 | 1.18 | |
| 362 | 21:38:00.39 | 57:22:47.9[r] | 403 | 3403 | | | | 14.8[j] | | | 12.948 (27) | 12.563 (31) | 12.446 (27)[r] | | | -15 (4) | -5.8 (4) | -10.4 (6.8) | 6.3 (6.8) | | | |
| 363 | 21:38:07.68 | 57:23:24.4[r] | 404 | 3404 | | | | 14.4[j] | | | 12.301 (26) | 11.777 (31) | 11.673 (18)[r] | | | 0.7 (4) | -7.6 (4) | 5.5 (6.8) | -0.6 (6.8) | -1.31 | -1.08 | |
| 364 | 21:38:12.21 | 57:23:02.8[r] | 405 | 3405 | | | | 14.1[j] | | | 12.494 (26) | 12.140 (30) | 12.101 (24)[r] | | | -2.3 (4) | -6.7 (4) | 19.2 (6.9) | -55.2 (6.9) | 0.11 | 0.52 | |
| 365 | 21:38:14.90 | 57:22:57.9[r] | 406 | 3406 | | | | 14.5[j] | | | 11.284 (26) | 10.609 (32) | 10.353 (20)[r] | | | 3.6 (4) | 4.4 (4) | 8 (6.8) | 16.9 (6.8) | -0.37 | -0.01 | |
| 366 | 21:38:16.48 | 57:22:30.5[r] | 407 | 3407 | | | | 14.7[j] | | | 11.336 (36) | 10.553 (35) | 10.343 (28)[r] | | | -73.9 (17.4) | -81.5 (17.4) | | | 0.2 | -0.17 | |
| 367 | 21:38:20.25 | 57:22:39.2[r] | 408 | 3408 | | | | 14.2[j] | | | 12.653 (26) | 12.358 (32) | 12.247 (22)[r] | | | 18.4 (13.2) | -9.4 (13.2) | 64.5 (6.1) | 16.6 (6.1) | 0.04 | 0.18 | |
| 368 | 21:38:20.95 | 57:23:00.5[r] | 409 | 3409 | | | | 14.8[j] | | | 11.690 (26) | 10.997 (30) | 10.749 (18)[r] | | | -1.9 (4) | -2.6 (4) | 18 (6.8) | -19.5 (6.8) | | | |
| 369 | 21:38:25.30 | 57:23:12.5[r] | 410 | 3410 | | | 15.07[f] | 14.3[e] | | | 12.469 (24) | 12.086 (30) | 11.975 (22)[r] | F5[e] | 1.1[e] | -6.9 (4) | 0.1 (4) | 8.4 (6.8) | 8.1 (6.8) | -0.28 | -0.03 | same star |
| 370 | 21:38:28.90 | 57:22:20.4[r] | 411 | 3411 | | | | 13.8[j] | | | 10.830 (27) | 10.042 (32) | 9.846 (20)[r] | | | 0.5 (5.1) | -1.6 (5.1) | -20 (7.2) | -0.6 (7.1) | -0.1 | 0.07 | |
| 371 | 21:38:39.53 | 57:22:01.7[r] | 412 | 463 | | 9.03[l] | 9.5[l] | 9.5[g] | 9.2 | 9.08[g] | 8.203 (21) | 8.203 (71) | 8.051 (23)[r] | B1[P] III-V[P] | | -4.3 (1.3) | -5 (1.2) | -5.8 (0.6) | -3.9 (0.8) | 0.11 | 0.01 | |
| 372 | 21:38:40.09 | 57:23:27.5[r] | 413 | 3413 | | | | 11.8[j] | | | 10.615 (31) | 10.278 (31) | 10.206 (24)[r] | | | -8.6 (2.7) | -12.5 (2.7) | -13.6 (1.7) | -8.9 (2.3) | 0.83 | -0.65 | |
| 373 | 21:38:46.00 | 57:22:29.8[r] | 414 | 3414 | | | | 13.3[j] | | | 11.829 (25) | 11.550 (32) | 11.443 (24)[r] | | | 0.5 (4) | 4 (4) | 11.6 (7.1) | 30.5 (7.1) | -0.35 | -0.31 | |
| 374 | 21:38:51.39 | 57:20:10.5[r] | 415 | 3415 | | | | 13.4[j] | | | 12.162 (25) | 11.962 (29) | 11.839 (23)[r] | | | 0 (4) | 1.4 (4) | 9.3 (6.9) | 8.9 (6.9) | -0.01 | 0.29 | |
| 375 | 21:38:18.86 | 57:24:17.4[r] | 416 | 3416 | | | | 15[j] | | | 13.570 (39) | 13.349 (50) | 13.247 (44)[r] | | | 15.9 (7.6) | -10.7 (7.6) | -22.6 (6.9) | 18.7 (6.9) | | | |
| 376 | 21:38:43.60 | 57:24:03.2[r] | 417 | 3417 | | | | 14.8[j] | | | 13.152 (29) | 12.826 (32) | 12.795 (33)[r] | | | -5.9 (4) | 1.2 (4) | -21 (6.7) | -7.9 (6.6) | | | |
| 377 | 21:38:47.86 | 57:23:47.0[r] | 418 | 3418 | | | | 13.6[j] | | | 12.030 (25) | 11.645 (29) | 11.540 (23)[r] | | | 43.6 (18.1) | -15.5 (18.1) | 12.7 (6.8) | -3.5 (6.9) | 0.46 | -0.42 | |
| 378 | 21:39:04.35 | 57:21:14.3[r] | 419 | 3419 | | | | 14.5[j] | | | 12.951 (25) | 12.784 (35) | 12.692 (29)[r] | | | -6.2 (4) | 0.4 (4) | -3.7 (6.8) | 9.4 (6.7) | -0.17 | 0.11 | |
| 379 | 21:39:07.35 | 57:19:53.5[r] | 420 | 468 | | 12.02[l] | 11.08[h] | 11.04[h] | | | 10.480 (25) | 10.392 (29) | 10.297 (21)[r] | A1[h] | 1.19[h] | -2.9 (1.7) | -2.7 (1.7) | -2.8 (0.6) | -2.7 (0.9) | -0.01 | 6.11 | Dec [h] imprec. |
| 380 | 21:39:07.36 | 57:21:10.0[r] | 421 | 3421 | | | | 13.3[j] | | | 11.866 (25) | 11.539 (28) | 11.440 (23)[r] | | | -1.7 (4) | 1.2 (4) | 8.7 (6.9) | 6.3 (6.9) | -0.27 | -0.07 | |
| 381 | 21:39:16.86 | 57:19:11.1[r] | 422 | 3422 | | | | 11.6[j] | | | 9.053 (23) | 8.392 (24) | 8.182 (26)[r] | | | 1.9 (11.3) | -17.2 (11.3) | -3.8 (1.1) | -11.3 (0.5) | 0.46 | -0.55 | |
| 382 | 21:39:26.62 | 57:18:43.9[r] | 423 | 475 | | 10.46[l] | 10.14[l] | 9.27[l] | | | 7.079 (24) | 6.749 (36) | 6.591 (15)[r] | A2[P] Ia[P] | | -2.4 (4) | -3.9 (1.2) | -2.4 (0.6) | -3 (0.7) | 0.09 | 0.17 | |
| 383 | 21:38:03.29 | 57:27:04.4[r] | 425 | 3425 | | | | 15.1[j] | | | 11.979 (26) | 11.200 (24) | 10.974 (18)[r] | | | -4.8 (4) | 0.3 (4) | -5.3 (6.8) | 4.9 (6.8) | | | |
| 384 | 21:38:08.45 | 57:26:47.7[r] | 426 | 457 | | 12.11[l] | 11.93[f] | 11.59[e] | | | 10.510 (26) | 9.724 (30) | 8.767 (20)[r] | B7[e] | 1.4[e] | -3.1 (1.5) | -2.6 (1.5) | -3 (0.5) | -4.5 (1.6) | -0.07 | -0.14 | |
| 385 | 21:38:16.94 | 57:26:23.7[r] | 427 | 3427 | | | | 14.8[j] | | | 13.077 (27) | 12.638 (35) | 12.564 (27)[r] | | | -11.2 (4) | -1.9 (4) | -18.8 (7.3) | -2.6 (7.3) | | | |
| 386 | 21:38:51.55 | 57:26:30.4[r] | 428 | 3428 | | | | 14.9[j] | | | 13.472 (32) | 13.220 (39) | 13.107 (40)[r] | | | 7.3 (4) | 1.1 (4) | 26.2 (6.9) | 10.7 (6.9) | | | |
| 387 | 21:39:09.69 | 57:24:55.7[r] | 430 | 3430 | | 12.30[l] | 12.6[h] | 12.12[h] | | | 10.910 (23) | 10.784 (28) | 10.710 (21)[r] | B2[h] | 2.18[h] | -11.6 (2.7) | -1 (2.7) | -4.4 (1.7) | -5.8 (0.5) | 0.13 | -0.04 | [h] imprec. |
| 388 | 21:39:14.65 | 57:23:14.9[r] | 431 | 3431 | | 15.16[l] | 14.41[l] | 13.21[l] | | | 10.795 (22) | 10.296 (29) | 10.127 (23)[r] | | | 1.4 (4) | 2.4 (4) | 1 (7.3) | 5 (7.3) | -0.02 | -0.1 | |
| 389 | 21:39:21.05 | 57:24:01.3[r] | 432 | 3432[a] | | 15.37[l] | 14.75[l] | 13.9[e] | | | 11.984 (23) | 11.717 (31) | 11.582 (23)[r] | F9[e] | 0.9[e] | -6.8 (4) | -0.4 (4) | -2.9 (6.8) | 5.7 (6.8) | 0.11 | -0.28 | |
| 390 | 21:39:24.69 | 57:23:53.0[r] | 433 | 3433[b] | | 16.35[l] | 15.59[f] | 14.47[e] | | | 12.152 (23) | 11.681 (31) | 11.558 (25)[r] | F7[e] | 1.9[e] | 10.6 (4) | 7.6 (4) | 15.7 (6.8) | 10.3 (6.8) | -1.14 | 0.53 | |
| 391 | 21:39:28.66 | 57:22:35.8[r] | 434 | 3434 | | | | 14.3[j] | | | 12.981 (39) | 12.844 (49) | 12.799 (40)[r] | | | -37 (4) | 37.1 (4) | | | -0.14 | -0.25 | |
| 392 | 21:39:28.22 | 57:24:13.5[r] | 435 | 3435 | | | | 13.5[j] | | | 11.890 (23) | 11.578 (29) | 11.486 (23)[r] | | | 12.4 (10.7) | -8.3 (10.7) | 4.8 (7.3) | -6.2 (7.3) | -0.31 | 0.19 | |
| 393 | 21:39:36.43 | 57:23:20.2[r] | 436 | 3436 | | 15.25[l] | 14.08[h] | 14.01[h] | | | 12.620 (23) | 12.433 (31) | 12.270 (26)[r] | A8[h] | 1.5[h] | -2.6 (4.1) | 1.9 (4.1) | -4.1 (6.9) | 3.7 (6.9) | 0.25 | 0.11 | |
| 394 | 21:39:18.77 | 57:25:48.8[r] | 437 | 471 | | 12.07[l] | 12.08[l] | 11.59[e] | | | 10.423 (23) | 10.195 (28) | 10.104 (21)[r] | B7[e] | 1.9[e] | -5.6 (1.7) | -3.6 (1.7) | -2.9 (0.6) | -6.1 (1.7) | 0.07 | -0.19 | |
| 395 | 21:38:19.39 | 57:27:34.7[r] | 438 | 459 | | | | 10.7[j] | | | 8.170 (43) | 7.447 (51) | 7.268 (20)[r] | G8[q] | | 10.4 (2.7) | 5 (2.7) | 4.9 (2.7) | 2.3 (2.4) | -1.15 | 1.15 | |
| 396 | 21:38:13.75 | 57:27:21.9[r] | 439 | 3439 | | | | 14.8[j] | | | 13.175 (27) | 12.914 (33) | 12.764 (30)[r] | | | -3.7 (4) | -5.5 (4) | -1.3 (6.8) | -10.8 (6.8) | | | |
| 397 | 21:38:03.42 | 57:28:30.7[r] | 440 | 3440 | | | | 14.5[j] | | | 12.443 (27) | 11.959 (32) | 11.867 (22)[r] | | | 34.9 (4) | 27.4 (4) | 34.4 (6.8) | 35.2 (6.8) | | | |
| 398 | 21:38:01.91 | 57:29:00.2[r] | 441 | 3441 | | | | 14.3[j] | | | 12.347 (29) | 11.941 (31) | 11.871 (25)[r] | | | -7.6 (3.8) | 0.3 (3.8) | -11.4 (6.9) | 9.9 (6.8) | -0.34 | 0.36 | |
| 399 | 21:37:57.93 | 57:29:11.7[r] | 442 | 3442 | | | | 14.8[j] | | | 12.737 (27) | 12.290 (30) | 12.157 (25)[r] | | | -3.2 (3.8) | -3 (3.8) | -2.9 (6.8) | 12.7 (6.8) | | | |
| 400 | 21:38:10.42 | 57:29:04.5[r] | 443 | 3443 | | | | 14.8[j] | | | 11.799 (24) | 11.116 (29) | 10.957 (20)[r] | | | -5.6 (4) | -0.6 (4) | -1 (6.8) | 5.7 (6.8) | 0.38 | 0.11 | |
| 401 | 21:38:15.13 | 57:29:34.4[r] | 444 | 3444 | | | | 14.8[j] | | | 13.412 (26) | 13.149 (35) | 13.037 (31)[r] | | | -9.3 (3.9) | 2.2 (3.9) | -3.9 (6.9) | 10.7 (6.8) | -0.15 | -0.47 | |
| 402 | 21:38:20.73 | 57:29:13.8[r] | 445 | 3445 | | | | 13.1[j] | | | 11.467 (29) | 11.005 (33) | 10.909 (22)[r] | | | 24.3 (10.8) | 13.7 (10.8) | 59 (7.4) | -14.4 (7.4) | -2.14 | 3.08 | |
| 403 | 21:38:27.23 | 57:28:55.0[r] | 446 | 3446 | | | | 11.9[j] | | | 10.723 (26) | 10.450 (29) | 10.354 (20)[r] | | | -5.3 (2.7) | -24.3 (2.7) | -2 (3.7) | -22.8 (3.9) | -0.25 | -2.06 | |
| 404 | 21:38:26.39 | 57:28:40.6[r] | 447 | 3447 | | 12.94[l] | 12.44[f] | 11.75[e] | | | 10.310 (27) | 10.005 (30) | 9.949 (20)[r] | F0[e] | 1.2[e] | -4.3 (2) | -8.1 (2) | -4.7 (0.8) | -5.1 (1.2) | -0.03 | -0.11 | |
| 405 | 21:38:42.54 | 57:27:45.9[r] | 448 | 3448 | | | | 14.6[j] | | | 12.789 (30) | 12.519 (41) | 12.389 (45)[r] | | | 5.1 (4) | -5.1 (4) | 38.7 (6.7) | -3.1 (7) | 0.13 | 0.18 | |
| 406 | 21:38:49.95 | 57:27:32.8[j] | 449 | 3449 | | | | 14.6[j] | | | | | | | | -2.1 (5.5) | -5.7 (5.5) | -8.4 (5.9) | 5.9 (5.9) | 0.1 | 0.07 | |
| 407 | 21:38:51.20 | 57:27:34.8[r] | 450 | 3450 | | | | 13.7[j] | | | 6.683 (23) | 5.589 (29) | 5.076 (17)[r] | | | -4.3 (4.9) | -8.2 (4.9) | 7.7 (6.8) | -2 (6.9) | -0.02 | 0.22 | |
| 408 | 21:38:58.36 | 57:28:25.6[r] | 451 | 3451 | | | | 11.6[j] | | | 10.627 (25) | 10.506 (31) | 10.417 (23)[r] | | | -3.3 (2.7) | -0.4 (2.7) | -4 (0.8) | -5.3 (1.3) | -0.06 | -0.1 | |

[a] also 5084

[b] also 5085

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | PPMXL $\mu_\alpha$ mas/yr | PPMXL $\mu_\delta$ mas/yr | UCAC3 $\mu_\alpha$ mas/yr | UCAC3 $\mu_\delta$ mas/yr | MVA [j] $\mu_\alpha$ mas/yr | MVA [j] $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 409 | 21:39:04.77 | 57:28:17.2[r] | 452 | 3452 | | | | 14.7[j] | | | 11.700 () | 11.341 (61) | 11.164 (43)[r] | | | 20.1 (3.9) | -23.1 (3.9) | 81.7 (6.9) | -17.7 (6.9) | | | |
| 410 | 21:39:11.86 | 57:28:14.9[r] | 453 | 3453 | | | | 15[j] | | | 13.050 (31) | 12.656 (41) | 12.509 (35)[r] | | | -8.8 (3.9) | -9.1 (3.9) | -27.3 (7) | 39 (6.9) | | | |
| 411 | 21:39:13.25 | 57:28:32.6[j] | 454 | 3454 | | 13.22[l] | 12.85[h] | 12.34[h] | | | | | | A0[h] | 1.59[h] | | | | | -0.05 | -0.09 | [b] No. 24 near |
| 412 | 21:39:22.25 | 57:27:45.6[r] | 455 | 473 | | 11.08[l] | 10.87[l] | 10.51[h] | | | 9.779 (23) | 9.610 (29) | 9.592 (20)[r] | F1[h] | 0.09[h] | 3.5 (1.5) | 7.2 (1.5) | 3.3 (0.6) | 5.1 (0.8) | -0.61 | 0.98 | |
| 413 | 21:38:07.00 | 57:30:29.4[r] | 456 | 3456 | | | | 14.9[j] | | | 12.945 (26) | 12.498 (31) | 12.396 (22)[r] | | | -5.1 (3.9) | 2 (3.9) | -0.8 (7.2) | 1.3 (7.3) | | | |
| 414 | 21:38:10.41 | 57:30:19.1[r] | 457 | 3457 | | | | 14.3[j] | | | 12.359 (27) | 11.918 (32) | 11.831 (20)[r] | | | -11.5 (3.9) | -4 (3.9) | -11.5 (7.3) | -9.1 (7.3) | 0.07 | -0.15 | |
| 415 | 21:38:17.99 | 57:30:27.5[j] | 458 | 3458 | | | | 14.6[j] | | | | | | | | -4.1 (8.5) | -14.8 (8.5) | | | | | no star |
| 416 | 21:38:19.48 | 57:30:10.6[r] | 459 | 3459 | | | 16.79[l] | 14.5[l] | | | 9.736 (26) | 8.618 (31) | 8.239 (29)[r] | | | -1.9 (5.1) | 0.5 (5.1) | 15.8 (6.8) | 22.3 (6.9) | -0.23 | 0.13 | |
| 417 | 21:38:57.61 | 57:29:20.5[r] | 460 | 466 | | 5.17[l] | 5.89[l] | 9.12[g] | 8.66 | 8.42[g] | 5.207 () | 5.254 (42) | 5.215 (17)[r] | O6[P] V[P] | | -1.6 (0.3) | -2.7 (0.4) | -6.2 (2) | -3.2 (2.1) | -0.37 | -0.16 | [m] colors inconsistent |
| 418 | 21:38:56.71 | 57:29:39.1[r] | 462 | 3462 | | 7.51[l] | 8.2[l] | 8.01[l] | | | 7.651 (24) | 7.669 (33) | 7.704 (21)[r] | | | -1.4 (1.9) | -1.6 (1.9) | | | -0.01 | -0.02 | |
| 419 | 21:39:11.99 | 57:29:57.2[r] | 463 | 470 | | 12.76[l] | 12.42[f] | 11.92[e] | | | 10.750 (25) | 10.642 (26) | 10.548 (21)[r] | A0[e] | 1.6[e] | 2.2 (2) | 5.1 (2) | 2.3 (0.8) | -3.9 (1.8) | -0.55 | -0.18 | |
| 420 | 21:39:27.39 | 57:29:00.8[r] | 464 | 477 | | 8.18[l] | 8.71[l] | 9.1[g] | 8.75 | 8.64[g] | 7.506 (21) | 7.452 (33) | 7.422 (20)[r] | B0[P] V[P] | | -3.4 (1.2) | -1 (1.2) | | | -0.04 | 0.03 | |
| 421 | 21:39:27.06 | 57:28:40.0[r] | 465 | 3465 | | | | 11.1[j] | | | 9.667 (23) | 9.277 (26) | 8.702 (21)[r] | | | -11 (6.6) | -6.1 (6.6) | -3.1 (0.6) | -4.8 (1) | -0.01 | -0.07 | |
| 422 | 21:38:55.68 | 57:30:33.8[r] | 466 | 3466 | | | | 12.9[j] | | | 9.868 (23) | 9.111 (28) | 8.924 (21)[r] | | | -13.2 (4.9) | -7 (4.9) | -20.5 (6.4) | 11.1 (6.5) | 0.7 | -0.69 | |
| 423 | 21:39:03.40 | 57:30:28.9[r] | 467 | 3467 | | 15.69[l] | 15.46[l] | 14.26[l] | | | 11.504 (23) | 10.917 (28) | 10.715 (20)[r] | | | -0.3 (3.8) | -3.7 (3.8) | -0.7 (6.7) | 11.2 (6.7) | 0.18 | -0.1 | |
| 424 | 21:38:08.16 | 57:31:26.8[r] | 468 | 456 | | 10.88[l] | 10.91[l] | 10.6[e] | | | 9.868 (27) | 9.738 (32) | 9.712 (18)[r] | B7[e] | 1.3[e] | 1.3 (1.4) | -0.1 (1.4) | -2.4 (0.6) | -5.6 (1.4) | -0.14 | -0.21 | |
| 425 | 21:38:17.32 | 57:31:22.0[r] | 469 | 3469[a] | 13-277 | 16.99[f] | 16.4[l] | 13.92[e] | 12.96 | 12.15[e] | 10.279 (26) | 9.329 (30) | 8.593 (20)[r] | G1[c] | 2.5[e] | -3 (5.1) | -3.2 (5.1) | -0.9 (6.8) | 6.1 (6.8) | -0.19 | -0.12 | GM Cep, SB1:[c] |
| 426 | 21:38:26.47 | 57:31:10.3[r] | 470 | 3470 | | | | 14.8[j] | | | 12.626 (29) | 12.057 (35) | 11.969 (28)[r] | | | -31 (5.4) | 1.3 (5.4) | -37.6 (7.3) | 11.9 (7) | | | |
| 427 | 21:38:11.10 | 57:32:50.9[r] | 471 | 458 | | | | 11.5[j] | | | 10.548 (27) | 10.268 (32) | 10.201 (18)[r] | | | -4.1 (1.7) | -1.8 (1.7) | -0.9 (8.2) | -1 (8.2) | -0.75 | 0.46 | |
| 428 | 21:38:19.22 | 57:31:56.8[r] | 472 | 3472 | | 14.64[l] | 14.36[f] | 13.69[e] | | | 12.188 (31) | 11.960 (38) | 11.839 (28)[r] | A8[e] | 1.4[e] | 3.1 (3.8) | -5.6 (3.8) | 46.4 (7.1) | 16.3 (7.1) | 0.39 | -0.29 | |
| 429 | 21:38:22.48 | 57:32:12.4[r] | 473 | 3473 | | | | 14.2[j] | | | 9.999 (26) | 8.997 (32) | 8.692 (22)[r] | | | -0.7 (4.7) | -7 (4.7) | -10 (7) | 3.6 (6.9) | -0.03 | 0.11 | |
| 430 | 21:38:24.22 | 57:33:22.4[r] | 474 | 3474 | | | | 12.5[j] | | | 11.595 (26) | 11.433 (33) | 11.341 (22)[r] | | | -9.4 (2.7) | -13.1 (2.7) | -6 (1.4) | 1.3 (1.3) | -0.06 | 0.03 | |
| 431 | 21:38:30.81 | 57:33:05.6[r] | 475 | 3475 | | | | 15.2[j] | | | 13.750 (35) | 13.417 (35) | 13.219 (35)[r] | | | 1.4 (3.8) | -8.1 (3.8) | -5.1 (7.3) | 12 (7.6) | | | new coordinates |
| 432 | 21:38:37.06 | 57:32:49.8[r] | 476 | 3476 | | | | 15.2[j] | | | 12.352 (29) | 11.636 (32) | 11.444 (22)[r] | | | -6.4 (3.9) | 4.3 (3.9) | -14.2 (7.4) | 26.4 (7.1) | | | |
| 433 | 21:38:40.65 | 57:32:35.9[r] | 477 | 3477 | | | | 14.9[j] | | | 12.793 (25) | 12.366 (31) | 12.201 (25)[r] | | | -3.1 (3.8) | -6.2 (3.8) | -7.6 (6.9) | -0.7 (7) | | | |
| 434 | 21:38:48.24 | 57:32:13.3[r] | 478 | 3478 | | | | 14.7[j] | | | 11.274 (25) | 10.495 (28) | 10.266 (20)[r] | | | -12.8 (18.1) | -19.9 (18.1) | -45.6 (6.6) | -4.8 (6.7) | | | |
| 435 | 21:38:59.80 | 57:31:58.2[r] | 479 | 3479 | | | | 11.7[j] | | | 10.650 (23) | 10.424 (26) | 10.358 (18)[r] | | | -22.1 (2.7) | -17.1 (2.7) | -12 (0.8) | -11.9 (2) | 1.03 | -0.74 | |
| 436 | 21:39:09.83 | 57:31:26.1[r] | 480 | 3480 | | 14.51[l] | 14.01[h] | 13.05[h] | | | 12.016 (23) | 11.783 (31) | 11.710 (23)[r] | F0[h] | 1.15[h] | -3.9 (3.9) | -3.1 (3.9) | -0.3 (7) | 2.7 (7) | -0.22 | 0.26 | Dec [h] imprec. |
| 437 | 21:39:06.23 | 57:31:04.4[r] | 482 | 3482 | | | | 14.9[j] | | | 11.952 (27) | 11.197 (29) | 10.981 (23)[r] | | | -2.1 (3.8) | -10.8 (3.8) | -6.4 (6.9) | -18.2 (6.9) | | | |
| 438 | 21:38:21.87 | 57:34:17.5[r] | 483 | 3483 | | | | 13[j] | | | 10.804 (26) | 10.174 (29) | 10.061 (22)[r] | | | -2.2 (9.5) | -22.8 (9.5) | -14.6 (7.3) | -30.5 (7.3) | 0.6 | -2.45 | |
| 439 | 21:38:30.10 | 57:34:04.0[r] | 485 | 3485 | | | | 15.2[j] | | | 12.014 (26) | 11.199 (29) | 11.006 (20)[r] | | | -1.6 (3.8) | -0.2 (3.8) | -8.6 (7.5) | -4.8 (7.4) | | | |
| 440 | 21:38:34.08 | 57:35:00.5[r] | 486 | 3486 | | | 15.46[l] | 13.83[l] | | | 10.651 (26) | 9.899 (29) | 9.688 (20)[r] | | | -4.4 (4.8) | -3.8 (4.8) | -7.3 (7.4) | -2.3 (7.4) | 0.16 | 0.14 | |
| 441 | 21:38:42.28 | 57:33:46.7[r] | 488 | 3488 | | | | 14[j] | | | 12.271 (27) | 11.956 (40) | 11.832 (26)[r] | | | -27.1 (3.8) | -11.8 (3.8) | -76 (6.4) | -15.2 (6.4) | 1.39 | -1.07 | |
| 442 | 21:38:43.50 | 57:33:44.2[r] | 489 | 3489 | | | | 14.8[j] | | | 11.730 (23) | 11.057 (28) | 10.840 (23)[r] | | | 33.2 (5) | -17.8 (5) | 39.4 (4.9) | -7.5 (5.3) | | | |
| 443 | 21:38:49.81 | 57:33:05.1[r] | 490 | 3490 | | | | 14.3[j] | | | 12.410 (25) | 12.137 (33) | 11.986 (24)[r] | | | -4.7 (3.9) | 1.2 (3.9) | 5.1 (7) | 0.2 (6.9) | 0.01 | 0.1 | |
| 444 | 21:38:48.50 | 57:34:14.6[r] | 492 | 3492 | | | | 15[j] | | | 12.990 (23) | 12.583 (29) | 12.510 (24)[r] | | | -7.8 (3.8) | -6.1 (3.8) | 2.3 (7.3) | -4.1 (7.4) | -6.41 | 2.78 | |
| 445 | 21:38:57.22 | 57:33:13.1[r] | 493 | 3493 | | | | 13.9[j] | | | 11.617 (23) | 11.075 (28) | 10.918 (18)[r] | | | -0.4 (3.8) | -0.3 (3.8) | 0.7 (7) | 8.6 (7) | -0.61 | 0.28 | |
| 446 | 21:39:15.70 | 57:32:42.4[r] | 494 | 3494 | | | | 15.1[j] | | | 11.818 (23) | 11.114 (26) | 10.893 (21)[r] | | | -9.8 (3.8) | -7.9 (3.8) | -5.4 (6.9) | 7.4 (6.9) | | | |
| 447 | 21:39:16.71 | 57:33:05.2[r] | 495 | 3495 | | | | 15[j] | | | 13.065 (29) | 12.699 (36) | 12.583 (30)[r] | | | -12.4 (3.9) | 0.4 (3.9) | -18.9 (6.9) | 15.8 (7) | | | |
| 448 | 21:39:22.32 | 57:31:48.9[r] | 497 | 3497 | | 13.55[l] | 13.26[f] | 12.76[e] | | | 11.577 (25) | 11.372 (33) | 11.269 (24)[r] | A1[e] | 1.5[e] | -8.2 (2.7) | -10.6 (2.7) | -5.6 (1.5) | -1.4 (2.8) | 0.2 | 0.05 | |
| 449 | 21:39:26.11 | 57:31:47.6[r] | 498 | 3498 | | 15.59[l] | 14.78[l] | 13.58[l] | | | 11.084 (23) | 10.500 (29) | 10.363 (21)[r] | | | 1.3 (3.8) | -9.2 (3.8) | 22.7 (7.2) | -13.9 (7.1) | -0.01 | -0.12 | |
| 450 | 21:39:30.39 | 57:30:00.2[r] | 499 | 3499 | | | | 14.6[j] | | | 12.563 (29) | 12.153 (37) | 12.061 (29)[r] | | | -16.3 (3.9) | -0.9 (3.9) | -39.6 (7.2) | -16.8 (7.1) | | | |
| 451 | 21:39:32.65 | 57:30:56.3[r] | 500 | 3500 | | | | 15[j] | | | 11.490 (23) | 10.667 (27) | 10.404 (22)[r] | | | -7.1 (3.9) | -3.8 (3.9) | 1.2 (6.9) | 11.2 (6.9) | | | |
| 452 | 21:38:32.85 | 57:36:01.2[r] | 502 | 3502 | | | | 15.1[j] | | | 10.999 (26) | 9.923 (31) | 9.624 (22)[r] | | | -3.2 (4.9) | -1.6 (4.9) | -6 (7.5) | -10.4 (8.2) | | | |
| 453 | 21:38:39.41 | 57:35:02.4[r] | 504 | 3504 | | | | 15[j] | | | 13.030 (32) | 12.504 (35) | 12.408 (22)[r] | | | -2.9 (3.9) | 1.4 (3.9) | 13.4 (7.4) | -5.2 (7.5) | | | |
| 454 | 21:39:13.25 | 57:34:28.6[r] | 507 | 3507 | | | | 13[j] | | | 11.927 (22) | 11.764 (29) | 11.665 (23)[r] | | | -5.2 (3.8) | -4.9 (3.8) | -10.6 (1.4) | -5.3 (2.1) | 0.16 | -0.12 | |
| 455 | 21:39:26.75 | 57:33:13.2[r] | 508 | 5086 | | | 16.28[f] | 15.34[e] | | | 12.909 (27) | 12.539 (32) | 12.457 (30)[r] | F9[e] | 1.2[e] | -10.5 (3.8) | -5 (3.8) | -23.1 (7) | 10.4 (7) | | | |
| 456 | 21:39:24.96 | 57:33:29.5[r] | 509 | 3509 | | | | 15.2[j] | | | 13.113 (26) | 12.747 (31) | 12.588 (29)[r] | | | -3.5 (3.8) | 0.8 (3.8) | 24.2 (7) | 35.5 (7) | | | |
| 457 | 21:39:24.37 | 57:34:05.3[r] | 511 | 3511 | | | | 14.4[j] | | | 12.465 (27) | 12.224 (36) | 12.066 (30)[r] | | | -4.3 (3.9) | 4 (3.9) | -27.5 (7.4) | -11.4 (7.5) | -0.9 | 0.09 | |
| 458 | 21:39:18.73 | 57:34:53.5[r] | 512 | 5083 | | | 15.34[f] | 14.12[e] | | | 12.333 (24) | 11.900 (28) | 11.818 (26)[r] | F9[e] | 2.1[e] | -12.9 (3.9) | -10 (3.9) | -22.9 (7.4) | -18.5 (7.4) | 0.8 | -0.25 | |
| 459 | 21:39:20.48 | 57:35:03.0[r] | 513 | 3513 | | | | 14[j] | | | 12.228 (22) | 11.880 (28) | 11.784 (23)[r] | | | -8.3 (4) | -4.1 (4) | -7.2 (6.8) | 4.6 (6.8) | 0.75 | -0.61 | |

[a] also 4633

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 460 | 21:39:24.35 | 57:35:09.8[r] | 514 | 3514 | | | 14.65[1] | 12.46[1] | | | 7.976 (24) | 6.924 (44) | 6.598 (20)[r] | | | | -8 (6.4) | -6 (6.4) | -42 (6.5) | -63.3 (6.6) | -0.06 | 0.11 | |
| 461 | 21:39:25.23 | 57:35:17.2[r] | 515 | 3515 | | | | 15.1[j] | | | 13.094 (54) | 12.846 (94) | 12.640 (79)[r] | | | | 0.6 (5) | 6.6 (5) | 50.6 (5.9) | 47.3 (6) | | | |
| 462 | 21:39:29.51 | 57:34:20.4[r] | 516 | 3516[a] | | 15.11[1] | 14.69[f] | 14[e] | | | 12.439 (21) | 12.205 (27) | 12.117 (25)[r] | F0[e] | | 1.2[e] | -9.3 (3.8) | -6 (3.8) | -9.5 (7.4) | -10.8 (7.4) | 0.4 | -0.22 | |
| 463 | 21:39:17.66 | 57:35:56.4[r] | 517 | 3517 | | | | 14.8[j] | | | 11.362 (22) | 10.641 (28) | 10.412 (20)[r] | | | | 8.3 (3.9) | -6.3 (3.9) | 35.2 (7.4) | -20.5 (7.5) | | | |
| 464 | 21:38:43.99 | 57:36:03.7[r] | 518 | 3518 | | | | 15.1[j] | | | 13.329 (27) | 12.922 (28) | 12.742 (26)[r] | | | | -6.5 (3.9) | -0.3 (3.9) | -2.4 (7.6) | -13.1 (7.7) | | | |
| 465 | 21:38:42.72 | 57:37:21.5[r] | 521 | 3521 | | | | 12.2[j] | | | 9.839 (24) | 9.195 (29) | 9.018 (22)[r] | | | | -1.1 (4.8) | -3 (4.8) | 2.8 (7.6) | -5.7 (7.6) | -0.16 | -0.33 | |
| 466 | 21:38:59.50 | 57:36:50.7[r] | 523 | 3523 | | 14.09[1] | 13.63[f] | 12.73[e] | | | 10.893 (24) | 10.520 (28) | 10.445 (22)[r] | F7[e] | | 1.3[e] | -3.8 (3.8) | -1.8 (3.8) | -4.2 (0.5) | 1.9 (1.9) | -0.23 | 0.06 | |
| 467 | 21:39:11.42 | 57:36:33.1[r] | 525 | 3525 | | | | 14.8[j] | | | 13.185 (26) | 12.854 (31) | 12.811 (26)[r] | | | | -6.7 (3.8) | 3.7 (3.8) | 1.8 (7.3) | -10.7 (7.5) | | | |
| 468 | 21:39:16.86 | 57:36:24.5[j] | 526 | 3526 | | | | 14.8[j] | | | | | | | | | | | | | | | no star |
| 469 | 21:39:20.85 | 57:36:25.5[r] | 527 | 3527 | | | | 13.9[j] | | | 12.128 (22) | 11.871 (29) | 11.719 (22)[r] | | | | -3 (3.8) | -3.3 (3.8) | -3.7 (7.3) | -12.4 (7.4) | 0.01 | 0.03 | |
| 470 | 21:38:12.33 | 57:38:38.8[r] | 528 | 3528[b] | | | | 15[j] | | | 11.826 (27) | 11.056 (29) | 10.839 (18)[r] | | | | 0.6 (3.8) | 0.7 (3.8) | -2.2 (7.4) | -3 (7.4) | | | |
| 471 | 21:38:19.70 | 57:38:46.7[r] | 529 | 3529 | | | | 15[j] | | | 13.098 (27) | 12.687 (32) | 12.586 (24)[r] | | | | -12.9 (3.8) | -11.6 (3.8) | -14.4 (7.3) | -8.8 (7.4) | | | |
| 472 | 21:38:25.73 | 57:38:22.0[r] | 530 | 3530 | | | | 15.1[j] | | | 13.025 (44) | 12.602 (44) | 12.406 (37)[r] | | | | -114.6 (5.4) | -102.2 (5.4) | 24.7 (7.3) | -63.9 (7.6) | | | |
| 473 | 21:38:25.84 | 57:37:55.7[j] | 531 | 3531 | | | | 15.1[j] | | | | | | | | | | | | | | | no star |
| 474 | 21:38:34.38 | 57:38:44.6[r] | 532 | 3532 | | | | 13.4[j] | | | 10.681 (26) | 9.934 (30) | 9.766 (19)[r] | | | | -2.3 (4.7) | -5.2 (4.7) | -7 (7.4) | -10.3 (7.4) | -0.03 | -0.02 | |
| 475 | 21:38:46.35 | 57:38:49.3[r] | 534 | 3534 | | | | 14[j] | | | 12.203 (24) | 11.823 (28) | 11.708 (20)[r] | | | | -6.7 (3.9) | -1.9 (3.9) | -4.3 (7.4) | -27 (7.5) | 0.14 | 0.21 | |
| 476 | 21:39:00.91 | 57:38:01.0[r] | 535 | 467 | | 11.71[1] | 11.4[f] | 10.8[j] | | | 10.409 (24) | 10.249 (24) | 10.247 (22)[r] | B9[e] | | 2.1[e] | -5.5 (1.7) | 2.3 (1.7) | -3 (0.6) | -2.1 (1.1) | -0.25 | 0.18 | |
| 477 | 21:39:16.68 | 57:37:21.3[r] | 537 | 3537 | | 11.71[1] | 11.66[1] | 11.29[1] | | | 10.383 (22) | 9.477 (25) | 9.324 (22)[r] | B8 B9[q] | | | -4.7 (4.7) | 3.4 (4.7) | -7.9 (7.3) | -5.9 (7.3) | -0.02 | 0.06 | |
| 478 | 21:39:18.86 | 57:37:23.5[r] | 538 | 3538 | | | | 14.9[j] | | | 12.843 (24) | 12.262 (28) | 12.204 (23)[r] | | | | -7.4 (5.4) | -23.7 (5.4) | 33.5 (7.4) | 23.4 (7.4) | | | |
| 479 | 21:39:20.47 | 57:37:26.6[r] | 539 | 3539 | | | | 13.6[j] | | | 12.101 () | 12.289 (47) | 12.188 (44)[r] | | | | -70.5 (13.2) | -59.6 (13.2) | | | -0.11 | 0.16 | |
| 480 | 21:39:21.05 | 57:37:29.6[r] | 540 | 3540 | | | | 14.9[j] | | | 11.134 (28) | 10.276 (31) | 9.992 (22)[r] | | | | | | | | | | |
| 481 | 21:39:30.03 | 57:37:37.2[r] | 541 | 3541 | | | | 15.1[j] | | | 13.188 (26) | 12.676 (28) | 12.577 (26)[r] | | | | 13.4 (3.8) | -7.1 (3.8) | 13.5 (7.5) | -8.1 (7.5) | | | |
| 482 | 21:39:32.47 | 57:38:03.0[r] | 542 | 3542 | | | | 14.9[j] | | | 13.154 (29) | 12.789 (33) | 12.729 (19)[r] | | | | -3.1 (3.8) | -3.2 (3.8) | 0.6 (7.4) | -11 (7.4) | 5.14 | 0.9 | |
| 483 | 21:39:12.20 | 57:38:49.3[r] | 544 | 3544 | | | | 15[j] | | | 11.264 (24) | 10.407 (28) | 10.148 (23)[r] | | | | -0.8 (3.8) | 0.4 (3.8) | 11.6 (7.4) | 15.8 (7.4) | | | |
| 484 | 21:38:17.20 | 57:40:02.0[r] | 545 | 460 | | 12.64[1] | 12.17[f] | 11.52[e] | | | 10.434 (27) | 10.215 (32) | 10.146 (21)[r] | A7[e] | | 1.4[e] | -5.7 (2) | -9.8 (2) | -6.3 (0.6) | -6 (1.1) | 0.29 | -0.31 | |
| 485 | 21:38:39.21 | 57:39:48.8[r] | 546 | 3546 | | | | 12.5[j] | | | 10.053 (27) | 9.326 (31) | 9.165 (23)[r] | | | | -4.2 (6) | -18.7 (6) | | | 0.26 | -0.32 | |
| 486 | 21:38:38.53 | 57:40:38.9[r] | 547 | 3547 | | | | 12.5[j] | | | 10.608 (27) | 10.076 (31) | 9.920 (19)[r] | | | | 11.4 (4.7) | 3.7 (4.7) | 11.2 (7.6) | -10.5 (7.6) | -1.84 | 0.45 | |
| 487 | 21:38:48.02 | 57:40:50.7[r] | 548 | 3548 | | | | 13.6[j] | | | 10.796 (21) | 10.106 (28) | 9.934 (19)[r] | | | | -7.4 (4.7) | -0.7 (4.7) | -7.2 (7.4) | -10 (7.4) | 0.17 | -0.04 | |
| 488 | 21:38:47.62 | 57:40:09.6[r] | 549 | 3549 | | | | 14.1[j] | | | 15.033 (53) | 14.297 (48) | 14.184 (79)[r] | | | | 36.1 (5.1) | -37.7 (5.1) | | | | | no star |
| 489 | 21:38:51.32 | 57:39:51.1[r] | 550 | 465 | | 13.37[1] | 12.74[1] | 11.72[i] | 11.1 | 10.5[i] | 9.488 (22) | 8.961 (28) | 8.842 (22)[r] | F0:[q] | | | -5.9 (2.7) | -5.6 (2.7) | -3.9 (1.4) | -5.4 (1) | 0.12 | -0.29 | |
| 490 | 21:38:50.96 | 57:39:31.9[r] | 551 | 3551 | | | | 15[j] | | | 12.364 (24) | 11.712 (28) | 11.572 (22)[r] | | | | -13.1 (3.8) | -0.7 (3.8) | -1 (7.4) | -8 (7.4) | | | |
| 491 | 21:39:04.09 | 57:39:54.1[r] | 552 | 3552 | | | | 14.5[j] | | | 12.606 (22) | 12.251 (26) | 12.157 (26)[r] | | | | 9.1 (3.8) | 3.9 (3.8) | 5.9 (7.3) | -0.5 (7.4) | -0.66 | 0.74 | |
| 492 | 21:39:02.65 | 57:39:19.5[r] | 553 | 3553 | | | | 13.5[j] | | | 11.820 (22) | 11.456 (28) | 11.346 (20)[r] | | | | -9.4 (3.8) | -1.4 (3.8) | -18.9 (7.4) | -10.5 (7.5) | 0.14 | 0.88 | |
| 493 | 21:39:10.18 | 57:40:19.9[r] | 554 | 3554 | | | | 11.4[j] | | | 8.598 (21) | 7.781 (24) | 7.569 (20)[r] | | | | -11.2 (2.8) | -2.6 (2.8) | -8.8 (3.8) | 1 (6.5) | -0.44 | 0.5 | |
| 494 | 21:39:21.91 | 57:39:11.9[r] | 555 | 474 | | 10.92[1] | 10.13[1] | 9.09[1] | | | 7.221 (21) | 6.759 (31) | 6.673 (24)[r] | G8 K0[q] | | | -3.2 (1.3) | -3 (1.2) | -2 (0.6) | -2.7 (0.6) | -0.21 | -0.01 | |
| 495 | 21:39:25.60 | 57:40:26.3[r] | 556 | 476 | | | | 11[j] | | | 10.626 (22) | 10.547 (29) | 10.563 (25)[r] | A0[q] | | | -3.2 (1.7) | 0.3 (1.7) | -0.2 (1.6) | 0.5 (0.7) | -0.42 | 0.48 | |
| 496 | 21:39:31.93 | 57:40:39.2[r] | 557 | 3557 | | | | 13.8[j] | | | 12.105 (27) | 11.781 (31) | 11.661 (23)[r] | | | | 8.7 (3.8) | 3.4 (3.8) | 9.3 (7.5) | -1.8 (7.5) | -0.88 | 0.9 | |
| 497 | 21:38:29.18 | 57:41:22.7[r] | 558 | 462 | | 11.67[1] | 11.2[f] | 10.6[e] | | | 9.700 (29) | 9.547 (32) | 9.480 (18)[r] | A4[e] | | 1.5[e] | -1.4 (1.6) | -6.4 (1.6) | -6.2 (0.6) | -5 (0.6) | 0.23 | -0.32 | [m] HIP# wrong |
| 498 | 21:38:30.44 | 57:41:58.9[r] | 559 | 3559 | | | | 14.6[j] | | | 12.674 (29) | 12.291 (32) | 12.177 (24)[r] | | | | 5.6 (3.9) | 14.7 (3.9) | 8.7 (6.9) | 21.3 (6.9) | -1.17 | 1.41 | |
| 499 | 21:38:34.95 | 57:42:10.4[r] | 560 | 3560 | | | | 14.1[j] | | | 10.948 (27) | 10.235 (31) | 10.023 (19)[r] | | | | -4.8 (3.9) | -5.7 (3.9) | -13.2 (7.3) | -11.7 (7.3) | 0.35 | -0.26 | new coordinates |
| 500 | 21:38:46.71 | 57:41:59.0[r] | 561 | 3561 | | | | 14.6[j] | | | 12.477 (26) | 12.171 (29) | 11.987 (22)[r] | | | | 9.6 (3.9) | 6.6 (3.9) | 9.6 (6.6) | 8.1 (6.6) | 0.32 | 0.15 | |
| 501 | 21:39:05.84 | 57:41:40.0[r] | 562 | 3562 | | | | 15.1[j] | | | 12.981 (59) | 12.529 (65) | 12.438 (53)[r] | | | | -84.1 (12.6) | -99.7 (12.6) | | | | | near 501 |
| 502 | 21:39:06.23 | 57:41:43.1[r] | 563 | 3563 | | | | 15.1[j] | | | 13.242 (28) | 12.803 (41) | 12.746 (40)[r] | | | | 27.6 (3.8) | 21.8 (3.8) | | | | | near 500 |
| 503 | 21:39:07.88 | 57:42:08.6[r] | 564 | 469 | | 12.43[1] | 12.1[f] | 11.58[e] | | | 10.400 (22) | 10.241 (28) | 10.154 (20)[r] | A9[e] | | 0.8[e] | -5.4 (1.7) | -8.4 (1.7) | -6.5 (0.6) | -6.7 (0.8) | 0.35 | -0.3 | |
| 504 | 21:39:16.28 | 57:42:13.4[r] | 565 | 3565 | | 15.02[1] | 13.88[1] | 12.51[1] | | | 9.862 (21) | 9.197 (25) | 9.054 (20)[r] | | | | -5.1 (4.7) | -7 (4.7) | -4.1 (7.6) | -11.7 (7.6) | 0.26 | -0.05 | |
| 505 | 21:39:18.88 | 57:42:29.1[r] | 566 | 472 | | 11.65[1] | 11.33[f] | 10.85[e] | | | 9.837 (21) | 9.687 (29) | 9.624 (22)[r] | A1[e] | | 1.4[e] | -3.3 (1.6) | -9.5 (1.6) | -5.6 (0.6) | -6.9 (0.7) | 0.27 | -0.28 | |
| 506 | 21:39:31.83 | 57:42:21.7[r] | 567 | 3567 | | | | 13.6[j] | | | 11.486 (29) | 11.200 () | 10.887 (23)[r] | | | | 7.7 (11) | -6.4 (11) | 6.4 (6.3) | 26.7 (6.2) | 0.13 | -0.12 | |
| 507 | 21:38:28.78 | 57:42:45.7[r] | 568 | 3568 | | | | 14.1[j] | | | 12.443 (31) | 12.159 (32) | 12.088 (21)[r] | | | | -2.7 (3.8) | -5.3 (3.8) | -6.7 (7.4) | -4.2 (7.5) | 0.32 | 0.09 | |
| 508 | 21:38:36.41 | 57:42:55.0[r] | 569 | 3569 | | | | 12.8[j] | | | 10.096 (27) | 9.361 (30) | 9.151 (21)[r] | | | | -2.9 (4.7) | -1.3 (4.7) | -7.5 (7.4) | -6.8 (7.4) | -0.11 | 0.12 | |
| 509 | 21:39:25.73 | 57:43:38.5[r] | 570 | 3570 | | | | 13.8[j] | | | 12.377 (24) | 12.056 (26) | 12.021 (22)[r] | | | | -8.9 (3.8) | -6 (3.8) | 1.3 (7.4) | -13.9 (7.4) | 0.54 | 0.1 | |

[a] also 5087

[b] also 5075

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ MVA [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 510 | 21:38:28.55 | 57:43:34.3[r] | 571 | 3571 | | | | 12.7[j] | | | 11.978 (34) | 11.845 (35) | 11.771 (28)[r] | | | 1 (2.7) | -0.4 (2.7) | -5.8 (3.3) | -2.7 (1.5) | 0.02 | 0.1 | |
| 511 | 21:38:29.47 | 57:43:41.9[r] | 572 | 3572 | | | | 14.2[j] | | | 12.442 (26) | 12.005 (33) | 11.906 (23)[r] | | | -6.7 (3.9) | -0.6 (3.9) | 13.5 (6.5) | 6.5 (6.4) | 0.02 | -0.34 | |
| 512 | 21:38:57.68 | 57:44:04.2[r] | 573 | 3573 | | | | 14.7[j] | | | 10.902 (22) | 10.047 (26) | 9.820 (23)[r] | | | -9.1 (4.8) | -4.4 (4.8) | -16.4 (7.5) | -13.6 (7.5) | 0.92 | -0.33 | |
| 513 | 21:39:17.58 | 57:44:54.8[r] | 574 | 3574 | | | | 14.2[j] | | | 12.315 (24) | 11.875 (31) | 11.786 (25)[r] | | | -2.4 (3.8) | -2.9 (3.8) | -1.6 (7.7) | -6.7 (7.8) | 0.25 | -0.11 | |
| 514 | 21:39:26.19 | 57:45:12.6[r] | 575 | 3575 | 15.06[l] | 13.98[l] | 12.6[j] | | | 10.020 (24) | 9.410 (28) | 9.247 (23)[r] | | | -8.2 (4.7) | -7.8 (4.7) | -3.7 (1.6) | -8.6 (4.9) | -0.13 | -0.13 | |
| 515 | 21:39:30.37 | 57:44:58.4[r] | 576 | 724 | 12.95[l] | 12.77[l] | 12.4[l] | | | 11.550 (26) | 11.344 (28) | 11.333 (21)[r] | A0[q] | | -19.3 (2.7) | -11.4 (2.7) | -7.6 (1.3) | -5.6 (1.8) | 0.43 | -0.09 | |
| 516 | 21:39:38.91 | 57:44:30.2[r] | 577 | 479 | | | | 12.6[j] | | | 10.386 (26) | 9.729 (28) | 9.591 (21)[r] | B8[q] | | -0.6 (4.9) | -3.4 (4.9) | 40.4 (8.6) | 2.2 (8.6) | 0.14 | -0.32 | |
| 517 | 21:38:26.14 | 57:45:17.1[r] | 578 | 3578 | | | | 13.7[j] | | | 12.106 (26) | 11.905 (31) | 11.714 (21)[r] | | | -6.1 (3.8) | -16 (3.8) | -20.5 (7.4) | -48.5 (7.4) | 0.11 | -0.13 | |
| 518 | 21:38:18.09 | 57:45:38.5[r] | 579 | 3579 | | | | 12.4[j] | | | 11.406 (27) | 11.072 (30) | 11.011 (19)[r] | | | 12.8 (2.7) | -11.9 (2.7) | 15.7 (1.4) | -4.6 (1.6) | -1.77 | -0.74 | |
| 519 | 21:39:57.64 | 57:25:38.1[r] | 580 | 3580 | | | | 14.3[j] | | | 13.105 (24) | 12.964 (36) | 12.822 (29)[r] | | | -10 (4.1) | -4 (4.1) | -14.8 (5.9) | -6 (5.9) | -0.02 | -0.06 | |
| 520 | 21:39:58.56 | 57:25:43.1[r] | 581 | 3581 | | | | 14.9[j] | | | 12.788 (29) | 12.340 (33) | 12.194 (29)[r] | | | 8 (4.1) | -23.8 (4.1) | | | | | |
| 521 | 21:40:04.33 | 57:25:22.0[r] | 582 | 3582 | | | | 14.1[j] | | | 12.255 (23) | 11.725 (31) | 11.640 (22)[r] | | | -6.6 (4.1) | -1.9 (4.1) | -4.5 (6.9) | 10.9 (6.9) | 0.52 | -0.14 | |
| 522 | 21:40:11.13 | 57:25:51.6[r] | 583 | 484 | 10.77[l] | 11.04[l] | 10.81[l] | | | 10.292 (24) | 10.235 (31) | 10.156 (22)[r] | B8[q] | | -4.7 (1.4) | -5 (1.4) | 4.2 (9.5) | -1.8 (9.4) | -0.07 | -0.02 | |
| 523 | 21:40:13.21 | 57:25:09.6[r] | 584 | 3584 | | | | 14.2[j] | | | 12.808 (26) | 12.558 (35) | 12.495 (26)[r] | | | -7.7 (7.6) | -24.3 (7.6) | -17.6 (6.9) | 3.9 (6.9) | -0.18 | -0.12 | |
| 524 | 21:40:19.51 | 57:24:33.3[r] | 585 | 3585 | | | | 13.8[j] | | | 12.489 (38) | 12.155 () | 12.023 (37)[r] | | | 2.6 (4.1) | -9.9 (4.1) | 16.5 (7) | -10.3 (7) | 0 | -0.05 | |
| 525 | 21:40:18.15 | 57:25:10.2[r] | 586 | 3586 | | | | 14.8[j] | | | 12.895 (34) | 12.399 (38) | 12.296 (32)[r] | | | 3.8 (4.1) | 20 (4.1) | 37 (6.9) | 92.4 (7.1) | | | |
| 526 | 21:40:22.35 | 57:25:24.9[r] | 587 | 3587 | | | | 14.7[j] | | | 13.241 (31) | 13.005 (38) | 12.883 (33)[r] | | | -2.5 (4.1) | 6.2 (4.1) | 8.6 (7) | 18.9 (6.8) | -0.26 | 0.01 | |
| 527 | 21:40:29.06 | 57:25:06.1[r] | 588 | 3588 | | | | 13.1[j] | | | 12.163 (27) | 11.945 (31) | 11.892 (24)[r] | | | -7.4 (4.1) | -1.8 (4.1) | -6.6 (7.1) | 2.4 (7.1) | 0.14 | 0.1 | |
| 528 | 21:40:39.33 | 57:24:37.4[r] | 589 | 3589 | | | | 15[j] | | | 13.195 (31) | 12.763 (36) | 12.701 (32)[r] | | | -10.1 (4.1) | -1 (4.1) | -7.6 (6.8) | 15.8 (6.8) | | | |
| 529 | 21:40:55.34 | 57:24:17.9[r] | 590 | 3590 | | | | 13.7[j] | | | 8.816 (35) | 7.710 (33) | 7.348 (36)[r] | | | -6.5 (5.1) | -2.5 (5.1) | 2.9 (7.1) | 12.9 (7.1) | -0.03 | 0.23 | |
| 530 | 21:41:05.69 | 57:23:58.3[r] | 591 | 3591 | | | | 11.2[j] | | | 9.483 (26) | 8.934 (28) | 8.865 (21)[r] | | | -8.8 (10.4) | -4.7 (10.4) | -6.6 (0.7) | -10.7 (0.6) | 0.65 | -0.51 | |
| 531 | 21:41:23.85 | 57:24:10.9[r] | 592 | 3592 | | | | 12.2[j] | | | 10.921 (23) | 10.627 (28) | 10.543 (23)[r] | | | -6.4 (15) | 17.3 (15) | -99.4 (6.8) | -81.4 (6.8) | -0.13 | -0.11 | |
| 532 | 21:41:22.62 | 57:24:30.1[r] | 593 | 3593 | | | | 13.7[j] | | | 12.233 (21) | 11.958 (27) | 11.861 (25)[r] | | | -4.4 (4.1) | -2.8 (4.1) | -3.9 (7.4) | -12.7 (7.4) | -0.25 | -0.25 | |
| 533 | 21:41:24.84 | 57:24:17.7[r] | 594 | 3594 | | | | 13.8[j] | | | 11.655 (28) | 11.158 (35) | 10.984 (25)[r] | | | 30.5 (5.5) | 26.3 (5.5) | | | -1 | 0.63 | |
| 534 | 21:41:25.06 | 57:24:50.4[r] | 595 | 3595 | | | | 13.8[j] | | | 12.273 (34) | 11.987 (35) | 11.892 (29)[r] | | | 42 (26) | 25.5 (26) | 7.5 (7.5) | 14.9 (7.5) | 0.3 | -0.28 | |
| 535 | 21:39:54.00 | 57:27:01.9[r] | 596 | 3596 | | | | 13.1[j] | | | 10.800 (23) | 10.192 (28) | 10.008 (22)[r] | | | 21.8 (3.9) | -0.1 (3.9) | 53.2 (7.2) | 52.5 (7.2) | -2.27 | 0.48 | |
| 536 | 21:39:37.34 | 57:27:45.0[r] | 597 | 3597 | | | | 14.5[j] | | | 12.850 (26) | 12.649 (30) | 12.516 (25)[r] | | | -4.6 (3.9) | -4.1 (3.9) | -2.2 (6.8) | 13.3 (6.8) | 0.17 | 0.18 | |
| 537 | 21:39:48.06 | 57:28:43.7[r] | 598 | 3598 | 13.20[l] | 13.06[h] | 12.4[h] | | | 11.080 (23) | 10.827 (28) | 10.793 (23)[r] | F5[h] | 0.75[h] | -17.6 (2.7) | 6.2 (2.7) | -12.2 (1.7) | -10.7 (5.2) | 0.91 | -0.92 | Dec [h] imprec. |
| 538 | 21:39:58.13 | 57:28:33.6[r] | 599 | 3599 | | | | 14.7[j] | | | 11.720 (24) | 10.968 (31) | 10.422 (22)[r] | | | -7.5 (5.4) | -6.9 (5.4) | -6.1 (6.8) | 1.1 (6.8) | -0.14 | -0.32 | same star |
| 539 | 21:40:01.80 | 57:28:08.8[r] | 600 | 3600 | | | | 13.1[j] | | | 11.652 (24) | 11.260 (31) | 11.165 (23)[r] | | | 0.5 (3.9) | -1 (3.9) | -4.5 (7.2) | 8.3 (7.2) | -1.2 | 0.21 | |
| 540 | 21:40:19.09 | 57:26:49.6[r] | 601 | 3601 | | 15.16[f] | 14.54[e] | | | 11.937 (26) | 11.568 (31) | 11.381 (23)[r] | F3[e] | 0.8[e] | 3.9 (4.1) | -8.7 (4.1) | 29.2 (6.3) | -19.3 (6.3) | 0.07 | -0.03 | same star |
| 541 | 21:40:17.98 | 57:28:09.5[r] | 602 | 3602 | | | | 15.1[j] | | | 13.321 (34) | 12.895 (38) | 12.747 (29)[r] | | | -4.8 (5.1) | -0.4 (5.1) | -3 (6.9) | 14.3 (6.9) | | | |
| 542 | 21:40:24.79 | 57:27:45.3[r] | 604 | 3604 | | | | 10.11[j] | | | 9.857 (27) | 9.741 (31) | 9.715 (23)[r] | | | -1.3 (1.4) | 4.9 (1.4) | -4.3 (0.5) | 2.5 (0.7) | -0.03 | 0.75 | |
| 543 | 21:40:29.29 | 57:27:58.4[r] | 605 | 3605 | | | | 14.8[j] | | | 11.313 (27) | 10.481 (30) | 10.254 (21)[r] | | | -2.6 (3.8) | -7.6 (3.8) | 18 (6.9) | 20.3 (6.9) | -3.2 | 2.11 | |
| 544 | 21:40:30.50 | 57:27:42.7[r] | 606 | 3606 | | | | 12.2[j] | | | 10.337 (27) | 9.728 (31) | 9.587 (21)[r] | | | 3.9 (5.1) | -2.3 (5.1) | 8.9 (7.7) | 12.4 (7.7) | -0.61 | 0.34 | |
| 545 | 21:40:37.36 | 57:27:43.8[r] | 607 | 3607 | | | | 14.8[j] | | | 16.362 (115) | 15.675 () | 15.676 ()[r] | | | -2.5 (4.6) | -14.8 (4.6) | | | | | no star |
| 546 | 21:40:43.51 | 57:27:53.0[r] | 608 | 3608 | | | | 13.7[j] | | | 12.522 (34) | 12.302 (38) | 12.248 (37)[r] | | | -18.5 (3.9) | -17.5 (3.9) | -66 (7.1) | -40.5 (7.1) | 0.26 | -0.18 | |
| 547 | 21:40:43.25 | 57:27:21.9[r] | 609 | 3609 | | | | 14.3[j] | | | 12.727 (34) | 12.448 (37) | 12.359 (41)[r] | | | -12.2 (3.9) | -9.4 (3.9) | | | -0.5 | 0.16 | |
| 548 | 21:40:53.23 | 57:27:11.9[r] | 610 | 3610 | | | | 14[j] | | | 16.545 (152) | 15.455 () | 15.346 (213)[r] | | | -22.4 (6.1) | -13.3 (6.1) | | | | | no star |
| 549 | 21:40:51.31 | 57:26:19.0[r] | 611 | 3611 | | | | 14.8[j] | | | 13.120 (29) | 12.719 (36) | 12.666 (35)[r] | | | -7.9 (3.9) | -7.5 (3.9) | -2 (6.8) | 26.8 (6.9) | 0.25 | -0.62 | |
| 550 | 21:41:01.76 | 57:27:26.5[r] | 612 | 3612 | | | | 13.3[j] | | | 11.680 (36) | 11.368 (37) | 11.222 (33)[r] | | | 8.6 (3.9) | 33.6 (3.9) | | | -0.52 | 0.28 | |
| 551 | 21:41:07.00 | 57:26:30.9[r] | 613 | 3613 | | | | 11.3[j] | | | 9.549 (26) | 9.035 (28) | 8.894 (23)[r] | | | 14.5 (10.4) | -8.3 (10.4) | 16.6 (0.8) | -7.8 (1.2) | -1.84 | -0.37 | |
| 552 | 21:41:08.82 | 57:25:27.8[r] | 614 | 3614 | | | | 14.4[j] | | | 12.603 (24) | 12.270 (27) | 12.205 (22)[r] | | | -7.9 (4.1) | 6.4 (4.1) | -3.8 (6.8) | 16.9 (6.9) | 0.23 | 0.12 | |
| 553 | 21:41:24.07 | 57:25:30.5[r] | 615 | 3615 | 13.84[l] | 13.5[l] | 12.69[l] | | | 11.255 (24) | 10.947 (30) | 10.866 (22)[r] | | | -7.3 (4.1) | -1.5 (4.1) | -5.2 (1.9) | -0.1 (0.7) | 0.12 | -0.02 | |
| 554 | 21:41:18.65 | 57:28:06.5[r] | 616 | 492 | | | | 10.8[j] | | | 9.941 (28) | 9.686 (32) | 9.611 (23)[r] | F8[q] | | -3.2 (3.1) | 13.2 (3.3) | -2.7 (1.2) | 8.5 (1.9) | 0.07 | 1.36 | |
| 555 | 21:41:19.41 | 57:28:00.2[r] | 617 | 3617 | | | | 13.5[j] | | | 12.022 (26) | 11.749 (32) | 11.641 (23)[r] | | | | | | | -0.03 | -0.42 | |
| 556 | 21:39:41.01 | 57:29:09.0[r] | 618 | 3618 | | | | 14.4[j] | | | 13.409 () | 14.945 (99) | 14.527 (107)[r] | | | | | -28 (6.8) | 13.6 (6.8) | 0.61 | -0.56 | 2x[r] |
| 557 | 21:39:40.52 | 57:29:10.7[r] | 618 | 3618 | | | | 14.4[j] | | | 12.543 (29) | 12.196 (33) | 12.063 (29)[r] | | | -18.8 (3.9) | -4 (3.9) | -28 (6.8) | 13.6 (6.8) | 0.61 | -0.56 | 2x[r] |
| 558 | 21:39:40.08 | 57:29:33.6[r] | 619 | 3619 | | | | 14.4[j] | | | 12.082 (23) | 11.459 (31) | 11.342 (23)[r] | | | 19.2 (7) | -370.7 (7) | 12.1 (6.7) | 11.6 (6.7) | -0.58 | 0 | |
| 559 | 21:40:38.59 | 57:29:35.5[r] | 620 | 3620 | | | | 14.5[j] | | | 11.094 (26) | 10.271 (27) | 10.066 (21)[r] | | | -8.7 (3.8) | -9.9 (3.8) | -19.5 (6.9) | 1.6 (6.9) | 0.25 | -0.02 | |
| 560 | 21:40:57.35 | 57:29:11.8[r] | 621 | 3621 | | | | 13.4[j] | | | 12.361 (32) | 12.110 (38) | 11.992 (30)[r] | | | -21.4 (3.9) | 10.4 (3.9) | -50.8 (7.1) | 44.7 (7.1) | 0.02 | 0.2 | |
| 561 | 21:40:59.59 | 57:28:53.7[r] | 622 | 3622 | | | | 14.9[j] | | | 13.413 (27) | 13.072 (33) | 13.087 (23)[r] | | | -2.3 (3.8) | -11.3 (3.8) | 8.6 (6.8) | 8.5 (6.8) | -0.22 | 0.55 | |
| 562 | 21:41:05.04 | 57:29:17.0[r] | 623 | 3623 | | | | 14.6[j] | | | 12.632 (27) | 12.184 (31) | 12.135 (24)[r] | | | -4.6 (3.9) | -1.6 (3.9) | 9.6 (6.8) | 12.7 (6.8) | -0.27 | 0.01 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | PPMXL $\mu_\alpha$ mas/yr | PPMXL $\mu_\delta$ mas/yr | UCAC3 $\mu_\alpha$ mas/yr | UCAC3 $\mu_\delta$ mas/yr | MVA [j] $\mu_\alpha$ mas/yr | MVA [j] $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 563 | 21:41:08.01 | 57:28:52.9[r] | 624 | 3624 | | | | 14.2[j] | | | 10.101 (24) | 9.121 (28) | 8.807 (22)[r] | | | -5.8 (4.7) | -8.8 (4.7) | -5.4 (7) | 8.6 (7) | 0.09 | 0.22 | |
| 564 | 21:41:25.00 | 57:29:27.9[r] | 625 | 5100 | | | 15.56[f] | 14.57[e] | | | 12.714 (24) | 12.417 (32) | 12.303 (26)[r] | F3[e] | 1.9[e] | -24.9 (5.1) | -0.4 (5.1) | 0 (6.8) | 10.8 (6.8) | -0.15 | -0.16 | |
| 565 | 21:39:40.04 | 57:30:34.9[r] | 626 | 3626 | | | | 13.7[j] | | | 11.243 (23) | 10.564 (31) | 10.399 (22)[r] | | | -1.4 (3.9) | -3.7 (3.9) | -2.5 (7.3) | -6.5 (7.3) | 0.26 | -0.16 | |
| 566 | 21:39:43.98 | 57:30:31.5[r] | 627 | 3627 | | | | 13.9[j] | | | 12.805 (23) | 12.673 (31) | 12.608 (28)[r] | | | -7.8 (4.1) | -13.4 (4.1) | -11.9 (7.2) | -17.5 (7.3) | 0.26 | 0.03 | |
| 567 | 21:39:44.79 | 57:30:39.9[r] | 628 | 3628 | | | | 14.8[j] | | | 11.607 (24) | 10.868 (32) | 10.532 (25)[r] | | | 7.4 (3.9) | 9.7 (3.9) | -5.5 (7.3) | 19.2 (7.4) | 0.1 | -0.38 | |
| 568 | 21:39:50.69 | 57:30:56.6[r] | 629 | 3629 | | | | 15[j] | | | 13.186 (31) | 12.827 (33) | 12.732 (33)[r] | | | -9.2 (3.9) | -10.4 (3.9) | -2.5 (6.9) | 3.5 (7.1) | | | |
| 569 | 21:40:02.37 | 57:31:02.6[r] | 630 | 480 | | | | 14.9[j] | | | 12.739 (23) | 12.281 (30) | 12.204 (23)[r] | A2[q] | | -5.2 (3.9) | -0.6 (3.9) | 2.9 (6.9) | 9.7 (7) | | | |
| 570 | 21:40:12.14 | 57:31:14.4[r] | 631 | 3631 | | | | 15[j] | | | 13.240 (26) | 12.797 (27) | 12.680 (34)[r] | | | 5.9 (3.8) | 1.8 (3.8) | 31.2 (6.9) | 5.5 (6.9) | | | |
| 571 | 21:40:12.98 | 57:30:59.0[r] | 632 | 3632 | | | | 14.1[j] | | | 12.307 (24) | 11.895 (32) | 11.788 (23)[r] | | | -1.9 (3.8) | -1.5 (3.8) | 5.6 (7.4) | 2.5 (7.4) | -0.65 | 0.59 | |
| 572 | 21:40:18.37 | 57:30:39.4[r] | 633 | 486 | | 9.90[l] | 10.34[l] | 10.11[l] | | | 9.691 (27) | 9.570 (30) | 9.632 (21)[r] | B2[P] V[P] | | 2.1 (1.4) | -7.3 (1.4) | -3 (0.8) | -6.1 (0.6) | -0.15 | -0.04 | |
| 573 | 21:40:20.50 | 57:31:23.4[r] | 634 | 3634[a] | | 14.63[l] | 14.26[l] | 13.53[e] | | | 12.151 (38) | 11.874 (44) | 11.779 (39)[r] | F1[e] | 1.3[e] | 16 (18.5) | 19 (18.5) | 7.7 (7.1) | 77.7 (7) | -0.23 | 0.33 | |
| 574 | 21:40:50.21 | 57:30:20.6[r] | 635 | 3635 | | | | 14.5[j] | | | 12.571 (27) | 12.093 (31) | 11.984 (24)[r] | | | -3.4 (3.8) | -7.7 (3.8) | 10.6 (6.8) | 5.2 (6.8) | -0.12 | 0.17 | |
| 575 | 21:40:59.39 | 57:30:08.2[r] | 636 | 3636 | | | | 14.6[j] | | | 12.915 (29) | 12.556 (31) | 12.481 (26)[r] | | | -4 (3.8) | -8 (3.8) | 0 (6.8) | 8 (6.8) | 0.33 | -0.13 | |
| 576 | 21:41:00.09 | 57:30:40.1[r] | 637 | 5097 | | | 14.81[f] | 14.06[e] | | | 12.708 () | 12.265 (38) | 12.242 (35)[r] | F6[e] | 0.9[e] | -3.8 (3.8) | -1.1 (3.8) | 22.7 (7.1) | 41.1 (7.1) | | | |
| 577 | 21:41:14.49 | 57:30:35.2[r] | 638 | 491 | | | | 11.1[j] | | | 10.070 (23) | 9.826 (30) | 9.733 (22)[r] | | | -9.8 (2.7) | 1.8 (2.7) | -11.1 (0.8) | -5.1 (1) | 1 | -0.13 | |
| 578 | 21:39:39.81 | 57:32:42.0[r] | 639 | 3639 | | | | 14.8[j] | | | 13.019 (24) | 12.742 (33) | 12.513 (28)[r] | | | -3.1 (3.9) | -6 (3.9) | 15.3 (6.2) | -20.6 (6.3) | 0.79 | -0.15 | |
| 579 | 21:39:46.74 | 57:32:52.5[r] | 640 | 3640 | | 11.80[l] | 11.44[f] | 10.97[e] | | | 9.879 (23) | 9.738 (32) | 9.656 (22)[r] | A7[e] | 0.9[e] | -3.4 (1.7) | -6.4 (1.7) | -2 (0.6) | -5.6 (0.9) | -0.07 | 0.12 | |
| 580 | 21:39:53.86 | 57:33:08.7[r] | 641 | 3641 | | 14.67[l] | 14.86[l] | 14.2[e] | | | 12.796 (24) | 12.729 (33) | 12.573 (30)[r] | B1[e] | 2.9[e] | -11.9 (5.1) | 166.4 (5.1) | 2.4 (7.3) | 6.4 (7.4) | 0.06 | 0.12 | |
| 581 | 21:39:41.68 | 57:33:47.3[r] | 642 | 3642 | | | | 14.5[j] | | | 12.671 (24) | 12.422 (30) | 12.269 (23)[r] | | | 1.5 (3.9) | -0.8 (3.9) | 16.2 (6.3) | 3.7 (6.3) | -0.2 | -0.15 | |
| 582 | 21:39:59.34 | 57:33:29.4[j] | 643 | 3643 | | | | 14.9[j] | | | | | | | | | | | | | | no star |
| 583 | 21:40:04.53 | 57:34:09.6[r] | 644 | 3644 | | | | 14.9[j] | | | 12.904 (26) | 12.520 (32) | 12.386 (26)[r] | | | -8.8 (3.9) | -7.9 (3.9) | 1.4 (6.9) | -3.1 (6.9) | | | |
| 584 | 21:40:09.26 | 57:33:23.5[r] | 646 | 3646 | | | | 14.4[j] | | | 12.556 (26) | 12.383 (35) | 12.185 (28)[r] | | | -2.7 (3.8) | -10.4 (3.8) | 7.6 (6.8) | -0.9 (6.8) | 0.3 | 0.12 | |
| 585 | 21:40:29.76 | 57:33:38.5[r] | 647 | 3647 | | 13.57[l] | 13.03[h] | 12.08[h] | | | 11.658 (27) | 11.464 (28) | 11.391 (23)[r] | A0[h] | 1.59[h] | -8 (3.9) | -7 (3.9) | -3.2 (1.4) | -1.8 (1) | -0.14 | 0.26 | Dec [h] imprec. |
| 586 | 21:40:27.44 | 57:32:18.6[r] | 648 | 3648 | | | | 14.6[j] | | | 12.857 (29) | 12.577 (32) | 12.416 (24)[r] | | | -6.5 (3.9) | -5.6 (3.8) | -13.3 (7.4) | -10.2 (7.4) | 0.19 | -0.25 | |
| 587 | 21:40:37.57 | 57:33:06.5[r] | 649 | 3649 | | | | 15.1[j] | | | 11.626 (26) | 10.844 (30) | 10.610 (19)[r] | | | -13 (3.9) | -8.8 (3.9) | -20.6 (7.5) | -9.1 (7.5) | | | |
| 588 | 21:40:38.83 | 57:32:18.5[r] | 650 | 3650 | | | | 14.8[j] | | | 13.282 (27) | 13.028 (27) | 12.959 (23)[r] | | | -7 (3.8) | -10.1 (3.8) | -15.7 (7.5) | -12.3 (7.4) | 0.8 | 0.25 | |
| 589 | 21:40:47.87 | 57:32:47.3[r] | 651 | 3651 | | | | 12.9[j] | | | 11.644 (27) | 11.292 (28) | 11.196 (24)[r] | | | 18.4 (3.9) | 8.5 (3.9) | | | -0.36 | 0.27 | |
| 590 | 21:40:53.24 | 57:32:24.4[r] | 652 | 3652 | | | | 14.1[j] | | | 12.390 (26) | 12.034 (31) | 11.952 (24)[r] | | | -0.7 (3.9) | -0.1 (3.9) | 2.1 (6.8) | 13.5 (6.8) | -0.75 | 0.1 | |
| 591 | 21:41:00.25 | 57:33:06.3[r] | 653 | 3653 | | | | 14.7[j] | | | 13.045 (27) | 12.650 (32) | 12.618 (24)[r] | | | -6.5 (3.8) | -3.9 (3.8) | -4.7 (7.4) | -13.2 (7.6) | -0.22 | 0.64 | |
| 592 | 21:41:08.72 | 57:32:36.4[r] | 654 | 3654 | | | | 13.7[j] | | | 11.964 (51) | 11.372 (54) | 11.305 (48)[r] | | | 7.9 (3.8) | -22.3 (3.8) | 47.7 (7.2) | -58.9 (7.2) | -0.82 | 0.63 | |
| 593 | 21:41:23.07 | 57:32:45.5[r] | 655 | 3655 | | | | 14.3[j] | | | 12.596 (24) | 12.184 (31) | 12.109 (22)[r] | | | -9.4 (3.8) | -6 (3.8) | -5.7 (7.3) | -10 (7.4) | 0.4 | -0.06 | |
| 594 | 21:41:32.76 | 57:33:09.1[r] | 656 | 493 | | | | 11.5[j] | | | 10.690 (23) | 10.570 (30) | 10.435 (22)[r] | A3[q] | | -10.8 (2) | -6.1 (2) | -8.1 (0.7) | -5.9 (0.9) | 0.48 | -0.36 | |
| 595 | 21:39:37.29 | 57:35:07.5[r] | 657 | 3657 | | 13.99[l] | 13.67[f] | 13.07[e] | | | 11.843 (27) | 11.608 (30) | 11.552 (21)[r] | F0[e] | 0.9[e] | -5.2 (3.9) | -5.6 (3.9) | -4.5 (0.5) | -2.8 (2.4) | -0.05 | -0.13 | |
| 596 | 21:39:41.02 | 57:34:55.6[r] | 658 | 3658 | | 10.90[l] | 11.13[l] | 10.95[l] | | | 10.435 (29) | 10.319 (30) | 10.353 (21)[r] | | | -4.3 (1.7) | -8 (1.6) | -3.5 (0.7) | -5.5 (1) | -0.14 | 0.04 | |
| 597 | 21:39:46.43 | 57:34:06.5[r] | 659 | 3659 | | | | 15[j] | | | 11.549 (29) | 10.783 (31) | 10.562 (25)[r] | | | 7 (3.9) | 14.3 (3.9) | 42.4 (7.8) | 42.1 (7.4) | | | |
| 598 | 21:39:40.87 | 57:35:09.0[r] | 660 | 3660 | | 14.08[l] | 13.77[f] | 13.32[e] | | | 12.415 (26) | 12.269 (31) | 12.173 (28)[r] | A2[e] | 1.2[e] | -6.7 (5.1) | -3.4 (5.1) | -6.9 (0.7) | 2.4 (10.6) | 0.09 | -0.05 | |
| 599 | 21:39:47.74 | 57:36:13.1[r] | 662 | 481 | | 10.78[l] | 10.87[f] | 10.6[e] | | | 9.931 (26) | 9.730 (30) | 9.693 (21)[r] | B9[e] | 1[e] | -6.4 (1.6) | -1.1 (1.6) | -2.9 (0.6) | -5.1 (0.9) | -0.14 | 0.03 | |
| 600 | 21:39:48.94 | 57:36:29.1[r] | 663 | 3663 | | | | 13.9[j] | | | 11.568 (24) | 10.929 (28) | 10.810 (19)[r] | | | 4.9 (10.9) | -3.9 (10.9) | 16.4 (7) | 21.7 (7.1) | 0 | -0.34 | |
| 601 | 21:39:52.45 | 57:36:29.3[r] | 664 | 3664 | | | | 14.2[j] | | | 12.752 (27) | 12.384 (31) | 12.330 (29)[r] | | | -5.7 (3.9) | 0.6 (3.9) | -1.2 (6.9) | 16.1 (6.9) | 0.12 | 0.17 | |
| 602 | 21:40:00.99 | 57:37:01.9[r] | 665 | 3665 | | | | 14.1[j] | | | 12.428 (27) | 12.097 (31) | 11.995 (23)[r] | | | -2.3 (3.9) | 5.2 (3.9) | -5 (7.4) | 3.1 (7.4) | -0.11 | 0.8 | |
| 603 | 21:40:00.37 | 57:37:24.9[r] | 666 | 3666 | | | | 14.7[j] | | | 11.862 (29) | 11.156 (28) | 10.981 (23)[r] | | | -11.2 (5.1) | -11.5 (5.1) | -10.3 (7.3) | -9.6 (7.3) | -0.29 | -0.13 | |
| 604 | 21:39:58.98 | 57:37:32.5[r] | 667 | 3667 | | | | 14.6[j] | | | 12.896 (29) | 12.481 (35) | 12.384 (26)[r] | | | 5.5 (3.8) | 3.1 (3.8) | 32.7 (7.3) | -1.4 (7.4) | -0.11 | 0.66 | |
| 605 | 21:40:17.60 | 57:35:39.9[r] | 668 | 3668 | | | | 14.7[j] | | | 12.923 (24) | 12.611 () | 12.488 (30)[r] | | | 28.9 (3.9) | -12.2 (3.8) | | | 0.31 | 0 | |
| 606 | 21:40:15.20 | 57:37:16.3[r] | 669 | 3669 | | | 13.31[f] | 12.91[e] | | | 11.810 (26) | 11.618 (28) | 11.553 (21)[r] | A2[e] | 1.1[e] | -5.2 (2.7) | 15.5 (2.7) | -7 (0.5) | -1.3 (2.6) | 0.22 | 0.02 | same star |
| 607 | 21:40:22.71 | 57:37:14.3[r] | 670 | 3670 | | | | 12.4[j] | | | 10.289 (27) | 9.621 (31) | 9.442 (21)[r] | | | 0.4 (4.9) | -6.3 (4.9) | 21.3 (7.5) | -11 (7.5) | 0.17 | -0.6 | |
| 608 | 21:40:22.86 | 57:35:31.1[r] | 671 | 3671 | | | | 12.6[j] | | | 10.222 (26) | 9.555 (28) | 9.399 (21)[r] | | | -3.9 (4.9) | 2.1 (4.9) | 32.9 (6.1) | 89.2 (6.1) | -0.28 | -0.61 | |
| 609 | 21:40:21.44 | 57:34:53.8[r] | 672 | 3672 | | | | 7.6[j] | | | 6.571 (44) | 6.388 (49) | 6.352 (20)[r] | | | | | | | 4.34 | -1.12 | |
| 610 | 21:40:22.79 | 57:35:00.4[r] | 673 | 3673 | | | | 8.1[j] | | | 7.588 (27) | 7.340 (53) | 7.253 (27)[r] | | | -40.3 (1.4) | -17.6 (1.3) | -38.3 (1.9) | -17.6 (2.5) | 4.22 | -1.1 | |
| 611 | 21:40:23.08 | 57:34:53.7[r] | 674 | 3674 | | | | 13.7[j] | | | 12.196 (176) | 11.816 (104) | 11.768 (89)[r] | | | | | | | 0.53 | -1.95 | |
| 612 | 21:40:29.82 | 57:36:02.7[r] | 675 | 3675 | | | | 14.3[j] | | | 12.623 (27) | 12.254 (32) | 12.176 (26)[r] | | | -20.3 (3.8) | -22.4 (3.8) | -17.3 (7.1) | -36.1 (7.3) | 1.63 | -1.23 | |
| 613 | 21:40:46.72 | 57:35:28.5[r] | 676 | 3676 | | | | 11.6[j] | | | 9.290 (27) | 8.643 (30) | 8.492 (23)[r] | | | -5.7 (4.9) | -6.9 (4.9) | -6.3 (1) | -4.3 (1) | 0.38 | 0.22 | |

[a] also 5093

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 614 | 21:40:47.93 | 57:36:13.0[r] | 677 | 3677 | | | | 14.5[j] | | | 12.683 (26) | 12.340 (32) | 12.210 (23)[r] | | | -1.2 (3.9) | -2.1 (3.9) | -0.8 (7.3) | -9.2 (7.3) | -0.52 | 0.44 | |
| 615 | 21:40:45.75 | 57:36:28.0[r] | 678 | 3678 | | | | 14.7[j] | | | 12.969 (26) | 12.697 (32) | 12.606 (28)[r] | | | 0 (3.8) | -2.5 (3.8) | -3.2 (7.3) | -8.9 (7.3) | -0.25 | -0.19 | |
| 616 | 21:40:50.24 | 57:34:29.3[r] | 679 | 3679 | | | | 14.8[j] | | | 12.761 () | 12.717 (58) | 12.314 ()[r] | | | 1.1 (3.8) | -17.5 (3.8) | 14.6 (7.5) | -71.1 (7.5) | 0.1 | -0.05 | |
| 617 | 21:40:56.64 | 57:36:14.5[r] | 680 | 490 | | | | 10.6[j] | | | 8.475 (20) | 7.996 (76) | 7.759 (26)[r] | G5[q] | | 2.8 (1.7) | 7.2 (1.7) | 5.1 (1) | 0 (0.7) | -0.67 | 0.32 | |
| 618 | 21:41:14.24 | 57:35:09.1[r] | 681 | 3681 | | | | 14.6[j] | | | 11.036 (26) | 10.259 (31) | 10.022 (25)[r] | | | -13 (3.9) | -4.1 (3.9) | -58.4 (7.5) | 17.9 (7.4) | 0.15 | 0.18 | |
| 619 | 21:41:14.13 | 57:35:00.3[r] | 682 | 3682 | | | | 14.7[j] | | | 12.982 (26) | 12.711 (36) | 12.584 (25)[r] | | | -4.9 (3.9) | -18.2 (3.9) | -8.2 (5.5) | -27.7 (5.5) | | | |
| 620 | 21:41:17.40 | 57:34:55.7[r] | 683 | 3683 | | | | 14.5[j] | | | 12.475 (24) | 12.202 (31) | 12.094 (23)[r] | | | -5.6 (5.1) | -3.4 (5.1) | -19.5 (7.5) | 2.6 (7.4) | 0.06 | -0.13 | |
| 621 | 21:41:35.59 | 57:35:57.3[r] | 684 | 3684 | | | | 13.5[j] | | | 11.750 (23) | 11.503 (27) | 11.337 (23)[r] | | | -4.1 (14) | 0.3 (14) | 6.4 (7.3) | -10.7 (7.4) | 0.46 | -0.07 | |
| 622 | 21:40:30.36 | 57:37:23.4[r] | 685 | 3685 | | | | 14.6[j] | | | 12.670 (32) | 12.276 (36) | 12.222 (37)[r] | | | 7.5 (3.8) | 3.1 (3.8) | 28.6 (8.2) | 22.4 (8) | -1.2 | 1.04 | |
| 623 | 21:40:44.11 | 57:37:53.1[r] | 686 | 3686 | | | | 14.8[j] | | | 13.087 (31) | 12.701 (37) | 12.628 (33)[r] | | | -9 (3.8) | -3.8 (3.8) | | | 4.51 | 4.4 | |
| 624 | 21:40:50.08 | 57:37:47.2[r] | 687 | 3687 | | | | 14.8[j] | | | 12.553 (29) | 11.909 (27) | 11.767 (19)[r] | | | -15.4 (3.8) | 2.4 (3.8) | -13.8 (7.3) | -4.7 (7.3) | | | |
| 625 | 21:40:58.89 | 57:37:24.1[r] | 688 | 3688 | | | | 13[j] | | | 12.152 (26) | 12.019 (27) | 11.916 (24)[r] | | | -6.4 (3.8) | -4 (3.8) | -3.6 (2.3) | -3.6 (1.5) | -0.06 | -0.1 | |
| 626 | 21:41:03.53 | 57:36:59.8[r] | 689 | 3689 | | | | 14.9[j] | | | 13.149 (29) | 12.820 (35) | 12.745 (33)[r] | | | -9.8 (3.8) | 7.6 (3.8) | 3.6 (7.4) | -13 (7.7) | | | |
| 627 | 21:41:25.11 | 57:36:57.1[r] | 690 | 3690 | | | | 12.3[j] | | | 11.277 (21) | 11.038 (31) | 10.943 (20)[r] | | | -0.7 (3.8) | -12.4 (3.8) | -5.1 (1.1) | -8.3 (2.6) | 0.14 | -0.59 | |
| 628 | 21:41:23.99 | 57:38:22.8[r] | 691 | 3691 | | | | 12.2[j] | | | 9.977 (26) | 9.310 (27) | 9.153 (23)[r] | | | 1.6 (4.7) | -5.3 (4.7) | 1 (7.5) | -11.3 (7.5) | -0.36 | 0.05 | |
| 629 | 21:39:46.32 | 57:39:35.1[r] | 692 | 3692 | | | | 11.8[j] | | | 5.813 (29) | 4.724 () | 4.215 ()[r] | | | -6.6 (6.1) | -13.3 (6.6) | -12.4 (7.5) | -100.6 (7.6) | 0.36 | -0.18 | |
| 630 | 21:39:46.66 | 57:39:45.4[r] | 693 | 3693 | | | | 14.5[j] | | | 9.122 (34) | 7.935 (36) | 7.561 (17)[r] | | | -0.9 (6.4) | -7 (6.4) | | | 0.16 | 0.29 | |
| 631 | 21:40:06.44 | 57:39:35.1[r] | 694 | 3694 | | | | 14.9[j] | | | 11.277 (26) | 10.488 (30) | 10.276 (23)[r] | | | -8.9 (3.8) | -6.4 (3.8) | -5.3 (7.4) | -9.1 (7.4) | | | |
| 632 | 21:40:11.13 | 57:37:47.7[r] | 695 | 3695 | | | | 14.9[j] | | | 13.174 (24) | 12.790 (27) | 12.712 (32)[r] | | | 1.1 (3.8) | -1.9 (3.8) | 3.6 (7.3) | -3.7 (7.4) | | | |
| 633 | 21:40:26.99 | 57:38:44.5[r] | 696 | 3696 | | | | 14.1[j] | | | 12.616 (24) | 12.305 (29) | 12.211 (23)[r] | | | -0.9 (3.8) | -14.3 (3.8) | 0.4 (7.4) | -23.7 (7.4) | -0.4 | -0.61 | |
| 634 | 21:40:27.25 | 57:39:14.7[r] | 697 | 3697 | | | | 11.4[j] | | | 8.631 (26) | 7.861 (76) | 7.590 (21)[r] | | | -4.5 (4.7) | -3.2 (4.7) | -1.5 (1.3) | 1.6 (1.6) | -0.02 | 0.17 | |
| 635 | 21:40:28.41 | 57:39:45.6[r] | 698 | 3698 | | | | 12.9[j] | | | 11.648 (24) | 11.293 (31) | 11.155 (23)[r] | | | -9.1 (3.9) | -6.8 (3.9) | -9.3 (7.4) | -10 (7.4) | 0.09 | -0.75 | |
| 636 | 21:40:33.53 | 57:40:15.5[r] | 699 | 3699 | | | | 14.3[j] | | | 12.385 (24) | 11.888 (28) | 11.789 (22)[r] | | | -3.7 (3.9) | -8.1 (3.9) | -10.1 (7.4) | -6.1 (7.4) | 0.6 | -0.33 | |
| 637 | 21:40:44.12 | 57:39:22.0[r] | 700 | 489 | | | | 10.8[j] | | | 10.284 (23) | 10.172 (28) | 10.125 (22)[r] | A2[q] | | -0.9 (1.7) | -11.8 (1.7) | -1.8 (1) | -9.7 (1.2) | -0.01 | -0.48 | |
| 638 | 21:40:48.21 | 57:39:20.1[r] | 701 | 3701 | | | | 14.8[j] | | | 12.899 (28) | 12.566 (35) | 12.472 (32)[r] | | | 3.4 (3.8) | -12.4 (3.8) | 22.4 (6.8) | -11.6 (6.8) | -0.42 | 0.35 | |
| 639 | 21:40:54.17 | 57:39:42.2[r] | 702 | 3702 | | | | 12.3[j] | | | 11.719 (23) | 11.588 (29) | 11.518 (23)[r] | | | -8.2 (2.7) | 6.8 (2.7) | -7.5 (0.9) | -3.8 (1.7) | 0.35 | -0.1 | |
| 640 | 21:41:05.36 | 57:39:36.3[r] | 703 | 3703 | | | | 13.5[j] | | | 12.528 (28) | 12.351 (35) | 12.265 (26)[r] | | | -5.3 (3.8) | 1.2 (3.8) | -4.9 (7.2) | 10.4 (7.3) | -0.2 | 0.05 | |
| 641 | 21:39:50.44 | 57:41:12.6[r] | 704 | 3704 | | | | 14.6[j] | | | 12.892 (26) | 12.533 (27) | 12.369 (28)[r] | | | -2.2 (3.8) | -2.8 (3.8) | -1.2 (7.3) | -4.6 (7.5) | -0.04 | 0.44 | |
| 642 | 21:39:57.51 | 57:42:22.1[r] | 705 | 3705 | | | | 12.2[j] | | | 11.108 (29) | 10.810 (33) | 10.756 (26)[r] | | | 0.2 (3.8) | 6.1 (3.8) | 2.6 (0.7) | 0.8 (11.7) | -0.49 | 0.33 | |
| 643 | 21:39:55.60 | 57:43:05.7[r] | 706 | 3706 | | | | 13.6[j] | | | 12.041 (24) | 11.556 (27) | 11.497 (32)[r] | | | -9.3 (3.9) | -12.5 (3.9) | -7.3 (7.3) | -12.1 (7.3) | 0.46 | -0.71 | |
| 644 | 21:40:01.19 | 57:42:53.1[r] | 707 | 3707 | | | | 12.7[j] | | | 9.969 (27) | 9.203 (30) | 8.993 (23)[r] | | | -8.4 (4.8) | -4.8 (4.8) | -8.8 (7.3) | 8.9 (7.4) | -0.07 | -0.15 | |
| 645 | 21:40:02.61 | 57:42:33.5[r] | 708 | 3708 | | | | 13.1[j] | | | 11.886 (27) | 11.611 (27) | 11.517 (23)[r] | | | -7.8 (3.8) | -1.6 (3.8) | -3.3 (7.3) | 5.6 (7.4) | 0.38 | -0.06 | |
| 646 | 21:40:04.21 | 57:42:28.5[r] | 709 | 3709 | | | | 14.3[j] | | | 12.058 (31) | 11.629 (39) | 11.475 (37)[r] | | | -7.3 (3.9) | 5.1 (3.9) | -3.3 (7.3) | 0.6 (7.4) | 0.31 | 0.38 | |
| 647 | 21:40:05.09 | 57:42:43.3[r] | 710 | 3710 | | | | 14.4[j] | | | 11.853 (29) | 11.308 (33) | 11.190 (28)[r] | | | -16 (6) | -24.6 (6) | | | 0.27 | -0.15 | |
| 648 | 21:40:05.88 | 57:42:48.9[r] | 711 | 3711 | | | | 12.5[j] | | | 11.442 (27) | 11.032 (32) | 10.939 (23)[r] | | | 51.8 (19.1) | 57.2 (19.1) | 11.4 (1.8) | 5.2 (1.6) | -1.48 | 0.82 | |
| 649 | 21:40:15.08 | 57:42:29.9[r] | 712 | 3712 | | 15.35[l] | | 13.02[l] | | | 8.514 (18) | 7.513 (36) | 7.174 (20)[r] | | | -0.2 (4.9) | -1 (4.9) | 16.3 (7.3) | 27.4 (7.4) | 0.12 | 0.11 | |
| 650 | 21:40:12.28 | 57:41:46.8[r] | 713 | 485 | | 11.15[l] | 11.49[l] | 11.15[l] | | | 10.200 (26) | 9.989 (28) | 9.836 (21)[r] | B5[q] | | 1.8 (1.7) | 1.4 (1.7) | -3.4 (0.5) | -2 (1.2) | -0.09 | 0.15 | |
| 651 | 21:40:14.31 | 57:41:51.0[r] | 714 | 3714 | | | | 12.6[j] | | | 11.923 (26) | 11.764 (28) | 11.721 (23)[r] | | | 3.5 (11) | -5.7 (11) | -4.1 (0.6) | 0.1 (0.8) | -0.03 | 0.18 | |
| 652 | 21:40:15.09 | 57:40:51.4[r] | 715 | 3715 | | | 13.85[f] | 13.2[e] | | | 12.145 (35) | 11.922 (46) | 11.881 (51)[r] | B9[e] | 2.2[e] | 23 (13.5) | -12.4 (13.5) | -4.5 (6.6) | -0.2 (0.7) | 0.03 | 0.11 | near 1807 |
| 653 | 21:40:45.26 | 57:40:43.4[r] | 716 | 3716 | | | | 13.8[j] | | | 12.453 (21) | 12.174 (31) | 12.091 (22)[r] | | | -5.6 (3.8) | -9.5 (3.8) | -7.9 (7.4) | -15.3 (7.4) | 0.35 | -0.4 | |
| 654 | 21:40:55.84 | 57:41:01.6[r] | 717 | 3717 | | | | 13.1[j] | | | 11.820 (23) | 11.440 (25) | 11.396 (22)[r] | | | 3.4 (3.8) | 14.9 (3.8) | 4.2 (7.4) | 14.8 (7.4) | -0.66 | 2.1 | |
| 655 | 21:41:00.63 | 57:40:50.4[r] | 718 | 3718 | | | | 12.2[j] | | | 11.177 (24) | 10.810 (28) | 10.737 (23)[r] | | | 2.6 (2.7) | -12.5 (2.7) | -0.7 (1.9) | -12.6 (1.8) | -0.15 | -0.96 | |
| 656 | 21:41:09.59 | 57:41:50.6[r] | 719 | 3719 | | | | 14.3[j] | | | 12.741 (35) | 12.537 (38) | 12.424 (33)[r] | | | -10.9 (3.9) | -17.5 (3.9) | -25.9 (7.3) | -88.3 (7.4) | 0.29 | 0.05 | |
| 657 | 21:40:40.74 | 57:42:08.4[r] | 720 | 3720 | | | | 14.2[j] | | | 12.091 (23) | 11.468 (28) | 11.411 (22)[r] | | | 35 (19.7) | 20.5 (19.7) | 16.1 (7.3) | 2.9 (7.4) | -2.3 | 1.47 | |
| 658 | 21:40:48.56 | 57:42:51.5[r] | 721 | 3721 | | | | 14.4[j] | | | 12.777 (24) | 12.511 (28) | 12.398 (26)[r] | | | 1.7 (3.9) | -4.9 (3.9) | 17 (7.2) | 5.3 (7.3) | -0.13 | 0.09 | |
| 659 | 21:41:00.93 | 57:43:04.5[r] | 722 | 3722 | | | | 14.4[j] | | | 12.304 (23) | 11.953 (29) | 11.849 (23)[r] | | | 16 (13.9) | -26.7 (13.9) | 21.4 (7.4) | -57.4 (7.4) | -0.52 | 0.15 | |
| 660 | 21:41:06.85 | 57:42:57.1[r] | 723 | 3723 | | | | 13.2[j] | | | 11.931 (23) | 11.626 (29) | 11.594 (23)[r] | | | -4.3 (3.8) | 1.2 (3.8) | -4.3 (7.4) | 1.5 (7.4) | -0.31 | 0.82 | |
| 661 | 21:39:46.81 | 57:44:40.3[r] | 724 | 3724 | | | | 14.4[j] | | | 12.384 (27) | 11.982 (31) | 11.897 (23)[r] | | | -2.7 (3.9) | 3.4 (3.9) | 0.9 (7.4) | -18.4 (7.5) | -0.56 | 0.93 | |
| 662 | 21:40:02.14 | 57:44:17.9[r] | 725 | 730 | | | | 11.4[j] | | | 10.854 (26) | 10.710 (30) | 10.634 (21)[r] | A0[q] | | -3.3 (2) | -1.4 (2) | -1.9 (0.8) | -3.3 (2) | -0.06 | -0.01 | |
| 663 | 21:40:19.87 | 57:44:07.5[r] | 726 | 5092 | | | 15.97[f] | 14.77[e] | | | 12.746 (24) | 12.340 (29) | 12.184 (23)[r] | F9[e] | 2[e] | -3.9 (3.8) | -5.7 (3.8) | -6.5 (7.4) | -10.7 (7.5) | | | |
| 664 | 21:40:34.89 | 57:44:08.9[j] | 727 | 3727 | | | | 14.4[j] | | | | | | | | | | | | | | no star |
| 665 | 21:40:41.83 | 57:43:58.5[r] | 728 | 740 | | | | 11.7[j] | | | 11.263 (23) | 11.164 (28) | 11.121 (22)[r] | A0[q] | | -0.8 (2.7) | -3 (2.7) | -2.6 (1.1) | -7.7 (1.5) | 0.01 | -0.52 | |
| 666 | 21:40:48.50 | 57:43:49.3[r] | 729 | 3729 | | | | 14.2[j] | | | 12.328 (24) | 11.920 (29) | 11.802 (25)[r] | | | -0.4 (3.8) | 14.8 (3.8) | -13.8 (7.4) | 29.8 (7.4) | -0.9 | 1.68 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 | Dec J2000 | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ PPMXL | $\mu_\alpha$ UCAC3 | $\mu_\delta$ UCAC3 | $\mu_\alpha$ MVA [j] | $\mu_\delta$ MVA [j] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 667 | 21:41:04.45 | 57:43:44.3[r] | 730 | 3730 | | | | 14.7[j] | | | 12.816(21) | 12.477(28) | 12.372(26)[r] | | | -1.1 (3.9) | -3.9 (3.9) | -0.5 (7.3) | -13.7(7.3) | -0.21 | -0.22 | |
| 668 | 21:41:06.40 | 57:43:57.5[r] | 731 | 3731 | | | | 13.9[j] | | | 12.254(28) | 11.867(31) | 11.773(23)[r] | | | -6.9 (3.8) | -7.9 (3.8) | -17(7.5) | -8.3(7.5) | -0.1 | -0.37 | new coordinates |
| 669 | 21:39:49.26 | 57:46:17.5[r] | 732 | 727 | | | | 11.3[j] | | | 10.594(27) | 10.456(33) | 10.376(24)[r] | A0[q] | | 2 (1.7) | -4.6 (1.7) | -2.7 (0.8) | -3.9 (1) | -0.16 | 0.16 | |
| 670 | 21:39:58.85 | 57:45:33.8[r] | 733 | 3733 | | | | 14.3[j] | | | 12.421(24) | 12.105(33) | 11.973(21)[r] | | | -4.4 (3.9) | 2.1 (3.9) | -8.9 (7.7) | -7.8 (7.8) | 0.42 | -0.09 | |
| 671 | 21:40:13.75 | 57:44:58.6[r] | 734 | 3734 | | | | 13.7[j] | | | 12.078(27) | 11.713(31) | 11.631(23)[r] | | | 5.5 (3.8) | 6.1 (3.8) | 4 (7.4) | -2.7(7.4) | -0.85 | 0.95 | |
| 672 | 21:40:27.18 | 57:45:30.1[r] | 735 | 3735 | | | | 14.6[j] | | | 12.512(32) | 12.170(35) | 12.092(29)[r] | | | 5.5 (7.2) | -22.7(7.2) | | | 0.53 | -0.37 | |
| 673 | 21:40:31.07 | 57:45:29.5[r] | 736 | 737 | | | | 11.5[j] | | | 11.067(24) | 10.938(32) | 10.859(25)[r] | A0[q] | | -0.6 (2) | -7.8 (2) | -3.3 (0.7) | -5.1 (1) | 0.13 | -0.07 | |
| 674 | 21:40:45.56 | 57:45:31.5[r] | 737 | 741 | | | | 11.8[j] | | | 10.760(28) | 10.424(29) | 10.379(25)[r] | | | -281.8 (5.1) | 302.0 (5.1) | 7 (2.8) | 1 (2.7) | -1.13 | 0.31 | |
| 675 | 21:40:46.45 | 57:45:24.0[r] | 738 | 3738 | | | | 14.4[j] | | | 10.972(23) | 10.243(28) | 10.020(22)[r] | | | 15.2 (11.6) | -18.4 (11.6) | 40.3 (5.3) | -53.7 (5.6) | 0.09 | -0.34 | |
| 676 | 21:40:55.81 | 57:45:13.9[r] | 739 | 3739 | | | | 14.3[j] | | | 12.635(26) | 12.210(29) | 12.216(28)[r] | | | -25.8 (3.8) | -13.1 (3.8) | -37.6 (7.4) | -14.3 (7.4) | 1.37 | -0.48 | |
| 677 | 21:41:15.39 | 57:45:30.0[r] | 740 | 3740 | | | | 12.8[j] | | | 10.992(24) | 10.515(27) | 10.390(21)[r] | | | -4.6 (3.8) | -3.8 (3.8) | -2.8 (7.5) | -8.9(7.5) | -0.07 | -0.12 | |
| 678 | 21:41:22.88 | 57:45:16.2[r] | 741 | 744 | | 10.46[l] | 10.69[l] | 10.52[l] | | | 10.089(26) | 10.071(30) | 10.031(19)[r] | A0[q] | | -5.9 (2) | -5.2 (2) | -3.4 (0.5) | -4.5 (0.6) | 0.11 | -0.2 | |
| 679 | 21:41:24.94 | 57:44:59.9[r] | 742 | 3742 | | | | 14.5[j] | | | 12.771(32) | 12.483(32) | 12.391(32)[r] | | | -6.3 (3.8) | -12.3 (3.8) | 14.5 (7.1) | -30.5 (7.3) | 0.48 | -0.11 | |
| 680 | 21:41:28.13 | 57:44:44.6[r] | 743 | 3743 | | | | 14[j] | | | 10.773(24) | 10.044(31) | 9.832 (19)[r] | | | 31.1 (6.6) | -377.2 (6.6) | -3.6 (7.2) | -7.5 (7.3) | 0.16 | 0.2 | |
| 681 | 21:41:28.14 | 57:43:59.3[r] | 744 | 3744 | | | | 14.1[j] | | | 9.994 (26) | 9.090 (28) | 8.851 (19)[r] | | | -3.4 (4.9) | -3.2 (4.9) | -9.9 (7.3) | -12.1 (7.3) | 0.25 | -0.04 | |
| 682 | 21:41:23.48 | 57:43:17.1[r] | 745 | 3745 | | | | 14.5[j] | | | 12.010(26) | 11.366(27) | 11.264(21)[r] | | | 15.9 (3.8) | -4.4 (3.8) | 13.9 (7.3) | -10.3 (7.4) | -2.35 | 0.44 | |
| 683 | 21:41:12.69 | 57:46:30.2[r] | 746 | 743 | | 9.51[l] | 9.97[l] | 9.85[l] | | | 9.446 (26) | 9.386 (30) | 9.328 (21)[r] | B8[q] | | -4.5 (2) | -7.4 (2) | -4.7 (0.6) | -5.6 (0.5) | -0.19 | -0.06 | |
| 684 | 21:39:57.59 | 57:36:16.4[r] | 747 | 482 | | 9.36[l] | 9.83[l] | 9.71[l] | | | 9.463 (26) | 9.461 (28) | 9.452 (23)[r] | B8[q] | | -1.6 (1.3) | -7.4 (1.3) | -3.1 (0.5) | -5.2 (0.7) | -0.23 | -0.14 | |
| 685 | 21:40:31.59 | 57:16:40.9[r] | 800 | 488 | | 12.05[l] | 11.16[l] | 10.03[l] | | | 7.916 (21) | 7.413 (42) | 7.262 (26)[r] | G5[q] | | -3.2 (1.7) | -10.2 (1.7) | -2.4 (0.9) | -8.7 (1.2) | 0.02 | -0.23 | |
| 686 | 21:41:27.49 | 57:13:07.6[r] | 801 | 3801 | | | | 12.6[j] | | | 10.164(27) | 9.524 (32) | 9.320 (21)[r] | | | -6.3 (5.1) | -5 (5.1) | -13.3 (7.5) | -7.3 (7.5) | -0.05 | -0.1 | |
| 687 | 21:41:33.26 | 57:13:09.2[r] | 802 | 3802 | | | | 13[j] | | | 11.518(31) | 11.246(40) | 11.076(33)[r] | | | -7 (4.1) | 10.5 (4.1) | 2.1 (7.1) | 28.1 (7.2) | -0.8 | 0.51 | |
| 688 | 21:41:40.23 | 57:18:54.0[r] | 803 | 3803 | | | | 12.9[j] | | | 11.703(27) | 11.538(33) | 11.418(21)[r] | | | -4 (4.1) | 0.7 (4.1) | 5.6 (7.1) | 8.3 (7.1) | 0.01 | 0.01 | |
| 689 | 21:41:38.59 | 57:19:46.9[r] | 804 | 3804 | | | | 13.6[j] | | | 12.137(29) | 11.911(36) | 11.783(26)[r] | | | 6 (4.1) | 11.1 (4.1) | 29.1 (7.1) | 62.1 (7.1) | -0.79 | 0.47 | |
| 690 | 21:41:36.21 | 57:22:25.8[r] | 805 | 3805 | | 10.99[l] | 11.4[l] | 11[e] | | | 10.470 () | 10.346 () | 10.475(52)[r] | B6[e] | 1.7[e] | -5.1 (2) | -5.6 (2) | -2.3 (0.6) | -5.7 (0.9) | 0.01 | 0.01 | |
| 691 | 21:41:32.85 | 57:22:46.4[r] | 806 | 3806 | | | | 13.5[j] | | | 10.740(21) | 10.103 (30) | 9.894 (20)[r] | | | -6.2 (5.1) | -8.3 (5.1) | 12.1 (7.2) | -14.7 (7.2) | 0.55 | -0.51 | |
| 692 | 21:41:35.26 | 57:23:43.2[r] | 807 | 3807 | | | | 12.3[j] | | | 11.221(24) | 10.951(30) | 10.883(26)[r] | | | -13.2 (5.5) | -30.7 (5.5) | -0.1 (0.7) | -0.4 (0.9) | -0.4 | 0.13 | |
| 693 | 21:41:35.64 | 57:23:49.5[r] | 808 | 3808 | | | | 14.4[j] | | | 12.636(35) | 12.214(32) | 12.148(32)[r] | | | | | | | -1.26 | -0.13 | |
| 694 | 21:41:40.79 | 57:25:46.8[r] | 809 | 3809 | | | | 13.8[j] | | | 12.318(28) | 11.995(36) | 11.906(28)[r] | | | -6.4 (4.1) | -6.6 (4.1) | 9.6 (6.9) | 11 (6.9) | 0.3 | 0.11 | |
| 695 | 21:41:35.95 | 57:31:53.2[r] | 810 | 3810 | | | | 12.7[j] | | | 9.870 (23) | 9.093 (31) | 8.882 (20)[r] | | | 20.9 (8.4) | -9.3 (8.4) | | | -0.23 | -0.04 | |
| 696 | 21:41:37.05 | 57:31:48.9[r] | 811 | 495 | | | | 11.1[j] | | | 10.733(23) | 10.560(27) | 10.491(20)[r] | A5[q] | | 3.5 (2) | 6.8 (2) | 4.7 (1.1) | 3.6 (2) | -0.81 | 0.63 | |
| 697 | 21:41:38.41 | 57:32:35.5[r] | 812 | 496 | | | | 12.1[j] | | | 11.269(21) | 11.149(30) | 11.050(19)[r] | A0[q] | | -1.6 (11) | -6.8 (11) | -0.3 (1.3) | 2.2 (1.2) | -0.39 | 0.41 | |
| 698 | 21:41:39.95 | 57:33:08.9[r] | 813 | 3813 | | | | 13.8[j] | | | 12.569(21) | 12.345(27) | 12.248(19)[r] | | | -11.2 (3.8) | -5 (3.8) | -5.9 (7.3) | -13.9 (7.4) | 0.52 | -0.3 | |
| 699 | 21:41:40.16 | 57:37:32.3[r] | 814 | 3814 | | | | 13.4[j] | | | 11.989(23) | 11.625(31) | 11.526(22)[r] | | | -5 (3.8) | -3.8 (3.8) | 2.7 (7.3) | -13.1 (7.4) | 0.2 | -0.32 | |
| 700 | 21:41:34.86 | 57:39:25.7[r] | 815 | 3815 | | | | 14.6[j] | | | 12.854(34) | 12.476(33) | 12.428(35)[r] | | | -3 (3.9) | -3.4 (3.9) | -3.7 (7.3) | -14.1 (7.3) | 0.62 | -0.32 | |
| 701 | 21:41:50.80 | 57:18:23.5[r] | 816 | 3816 | | | | 14.3[j] | | | 12.443(24) | 12.167(33) | 12.089(24)[r] | | | -5.3 (4.1) | 0.1 (4.1) | 2.9 (6.9) | 7.7 (7) | -0.02 | 0.19 | |
| 702 | 21:41:44.37 | 57:20:22.8[r] | 817 | 3817 | | | | 14.2[j] | | | 11.158(27) | 10.487(32) | 10.268(21)[r] | | | 17.7 (4.1) | -9.5 (4.1) | 73.2 (6.9) | -20 (7) | -0.21 | 0.11 | |
| 703 | 21:41:53.16 | 57:19:20.0[r] | 818 | 3818 | | | | 12.4[j] | | | 9.783 (27) | 9.039 (32) | 8.821 (19)[r] | | | 6.1 (6.5) | -0.8 (6.5) | -14.6 (7.5) | 14.7 (7.5) | -0.39 | 0.76 | |
| 704 | 21:41:59.28 | 57:19:19.7[r] | 819 | 3819 | | | | 13.6[j] | | | 11.967(26) | 11.666(32) | 11.489(23)[r] | | | 2.4 (4.1) | -2 (4.1) | 3.5 (7.1) | 7.4 (7.1) | -0.61 | -0.49 | |
| 705 | 21:41:59.37 | 57:20:50.6[r] | 820 | 3820 | | | | 13.5[j] | | | 16.267(129) | 14.704() | 14.812()[r] | | | -12 (5.5) | -25.6 (5.5) | | | | | no/faint star |
| 706 | 21:42:19.95 | 57:15:17.1[r] | 821 | 3821 | | | | 13.9[j] | | | 12.199(24) | 11.958(29) | 11.879(22)[r] | | | -0.3 (4.1) | -2.7 (4.1) | 4.3 (6.9) | 10.6 (6.9) | -0.26 | 0.11 | |
| 707 | 21:42:23.81 | 57:20:46.6[r] | 822 | 500 | | 11.90[l] | 11.09[h] | 11.05[h] | | | 10.582 (39) | 10.436 (43) | 10.318 (37)[r] | B9[h] | 1.4[h] | -4.5 (2) | -2 (2) | -3.1 (0.6) | -4.3 (0.8) | 0.13 | -0.12 | |
| 708 | 21:42:25.76 | 57:21:29.0[r] | 823 | 3823 | | | | 13.4[j] | | | 11.045(26) | 10.478(31) | 10.279(24)[r] | | | -10.9 (4.1) | -1.8 (4.1) | -6 (7) | 14.7 (7) | 0.85 | -0.49 | |
| 709 | 21:42:20.65 | 57:22:45.5[r] | 824 | 3824 | | | | 14.4[j] | | | 10.795(24) | 10.062(31) | 9.825 (21)[r] | | | -3 (5.1) | -3.4 (5.1) | 3.5 (7) | 12.9 (7) | 0.03 | 0.25 | |
| 710 | 21:42:15.03 | 57:23:14.3[r] | 825 | 3825 | | | | 12.8[j] | | | 11.384(26) | 11.097(32) | 10.980(21)[r] | | | -19 (4.1) | -11 (4.1) | -47.5 (7.2) | -33.3 (7.3) | 0.78 | -0.48 | |
| 711 | 21:42:06.85 | 57:25:24.5[r] | 826 | 3826 | | | | 12.3[j] | | | 11.206(24) | 10.812(30) | 10.774(23)[r] | | | 24.8 (5.1) | -5.9 (5.1) | 43.4 (7.4) | 5.3 (7.3) | -3.81 | 0.17 | |
| 712 | 21:42:16.34 | 57:26:44.4[r] | 827 | 3827 | | | | 14.1[j] | | | 11.826(26) | 11.439(31) | 11.249(21)[r] | | | 12.4 (19.8) | 68.6 (19.8) | 6.9 (6.9) | 11.6 (7.2) | -0.28 | -0.12 | |
| 713 | 21:42:00.96 | 57:26:26.5[r] | 828 | 3828 | | | | 14.6[j] | | | 12.968(26) | 12.616(30) | 12.529(24)[r] | | | 15.7 (7.1) | 43.7 (7.1) | -4.9 (6.9) | 10.2 (6.8) | 0.37 | -0.22 | |
| 714 | 21:41:54.51 | 57:26:32.4[r] | 829 | 3829 | | | | 14.4[j] | | | 12.310(26) | 11.885(32) | 11.784(25)[r] | | | -12.7 (3.9) | -1.4 (3.9) | 3.6 (6.8) | 17.7 (7) | 0.1 | 0.36 | |
| 715 | 21:41:59.14 | 57:27:50.9[r] | 830 | 3830 | | | | 12.2[j] | | | 11.307(26) | 11.152(33) | 11.065(24)[r] | | | -7.4 (3.8) | -5.3 (3.8) | -6.1 (1.6) | -4.1 (1.1) | 0.03 | -0.13 | |
| 716 | 21:42:17.78 | 57:27:26.9[r] | 831 | 3831 | | | | 13[j] | | | 10.123(24) | 9.442 (31) | 9.190 (21)[r] | | | -8 (4.7) | -3.7 (4.7) | -2.6 (7.3) | 19.8 (7.3) | 0.4 | 0.02 | |
| 717 | 21:41:59.16 | 57:28:05.0[r] | 832 | 3832 | | | | 14.6[j] | | | 12.557(26) | 12.054(31) | 11.944(21)[r] | | | -4.1 (3.8) | 0.3 (3.8) | 19.3 (7.4) | 28.6 (6.9) | 0.02 | -0.36 | |
| 718 | 21:42:00.65 | 57:28:12.1[r] | 833 | 3833 | | | | 14.5[j] | | | 12.347 () | 12.013 () | 11.809 ()[r] | | | -10.3 (5.1) | 23.3 (5.1) | 87.6 (7.3) | 23.9 (7.3) | -2.65 | 2.27 | |
| 719 | 21:42:00.30 | 57:28:25.2[r] | 834 | 3834 | | | | 14.6[j] | | | 12.672(29) | 12.181(33) | 12.099 ()[r] | | | -4.2 (3.9) | 17.7 (3.9) | 1.3 (6.8) | 53.4 (6.8) | -0.61 | 1.75 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ MVA [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 720 | 21:42:09.26 | 57:29:40.1[r] | 835 | 3835 | | | | 14.6[j] | | | 12.867 (26) | 12.501 (37) | 12.409 (24)[r] | | | -7.8 (3.9) | -12.4 (3.9) | 3.6 (6.9) | 8.6 (6.8) | -0.22 | -0.65 | |
| 721 | 21:41:49.98 | 57:29:28.6[r] | 836 | 3836 | | | | 13.1[j] | | | 11.893 (23) | 11.678 (30) | 11.574 (25)[r] | | | -9.7 (4.1) | -6.5 (4.1) | -0.2 (7.1) | 4.7 (7) | 0.21 | -0.13 | |
| 722 | 21:41:55.56 | 57:30:08.8[r] | 837 | 3837 | | | | 13.5[j] | | | 8.549 (19) | 7.396 (33) | 7.032 (23)[r] | | | -3.7 (4.8) | 1.3 (4.8) | 0.7 (7.1) | 13.9 (7.1) | -0.07 | 0.9 | |
| 723 | 21:42:15.94 | 57:31:14.5[r] | 838 | 3838 | | | | 13.1[j] | | | 11.724 (26) | 11.416 (30) | 11.331 (24)[r] | | | -5.6 (3.8) | -5.2 (3.8) | -1.1 (7.3) | -12.4 (7.4) | 0.01 | -0.42 | |
| 724 | 21:41:55.88 | 57:32:52.4[r] | 839 | 3839 | | | | 13.6[j] | | | 12.035 (26) | 11.790 (33) | 11.669 (26)[r] | | | -10.6 (3.9) | -7 (3.9) | -3.8 (7.3) | -17.4 (7.3) | 0.22 | -0.34 | |
| 725 | 21:41:42.05 | 57:34:04.7[r] | 840 | 3840 | | | | 13.6[j] | | | 11.870 (21) | 11.510 (28) | 11.395 (20)[r] | | | -18.3 (3.8) | -12.7 (3.8) | -10.2 (7.4) | -19 (7.4) | 0.8 | -0.99 | |
| 726 | 21:41:59.88 | 57:33:43.8[r] | 841 | 3841 | | | | 10.7[j] | | | 9.850 (32) | 9.492 () | 9.426 ()[r] | | | 14.3 (2) | 16.6 (2) | 13.9 (1.5) | 9.6 (2.1) | -1.75 | 1.33 | |
| 727 | 21:42:01.87 | 57:33:53.9[r] | 842 | 3842 | | 10.48[l] | 10.74[l] | 10.44[l] | | | 9.534 (27) | 9.225 (30) | 9.164 (23)[r] | | | -3.5 (2) | -0.5 (2) | -2.8 (1) | -4.1 (0.8) | -0.06 | -0.09 | |
| 728 | 21:41:50.02 | 57:34:48.6[r] | 843 | 3843 | | | | 12[j] | | | 10.736 (21) | 10.392 (27) | 10.276 (19)[r] | | | -19.6 (3.8) | -2.8 (3.8) | -1.2 (0.7) | -9 (1.3) | -0.16 | -0.67 | |
| 729 | 21:41:52.56 | 57:37:20.0[r] | 844 | 3844 | | | | 14.2[j] | | | 12.340 (29) | 12.000 (28) | 11.890 (29)[r] | | | 7 (3.9) | -10.2 (3.9) | 44.6 (7) | -14.5 (7.1) | 0.31 | -0.02 | |
| 730 | 21:41:51.50 | 57:37:30.3[r] | 845 | 3845 | | | | 11.8[j] | | | 10.686 (28) | 10.408 (31) | 10.346 (28)[r] | | | 54 (8.3) | -28.9 (8.3) | -9 (2) | -7.7 (3.8) | 0.28 | -0.61 | |
| 731 | 21:41:51.17 | 57:37:37.0[r] | 846 | 497 | | | | 11.3[j] | | | 10.116 (45) | 9.834 (42) | 9.764 (30)[r] | | | -4.6 (6.7) | -13.5 (6.7) | -7.1 (0.6) | -7.4 (1.1) | 0.19 | -0.59 | |
| 732 | 21:41:58.50 | 57:37:52.9[r] | 847 | 498 | | | | 10.4[j] | | | 8.075 (29) | 7.444 (42) | 7.282 (18)[r] | G5[q] | | -12.9 (3.3) | 93 (4.1) | -9.2 (1) | -0.5 (1.2) | 0.95 | -0.23 | near 732 |
| 733 | 21:41:58.50 | 57:37:52.9[r] | 848 | 3848 | | | | 10.3[j] | | | 8.075 (29) | 7.444 (42) | 7.282 (18)[r] | | | -12.9 (3.3) | 93 (4.1) | -9.2 (1) | -0.5 (1.2) | | | near 731 |
| 734 | 21:42:02.39 | 57:37:25.8[r] | 849 | 3849 | | | | 14.7[j] | | | 12.668 (62) | 12.141 (57) | 12.041 (57)[r] | | | 17.4 (3.9) | 33.6 (3.9) | | | -2.65 | 1.49 | |
| 735 | 21:42:04.01 | 57:39:16.6[r] | 850 | 499 | | 12.43[l] | 12.02[h] | 11.09[h] | | | 11.112 (26) | 11.052 (32) | 10.986 (21)[r] | A0[h] | 1.34[h] | 4.8 (2) | -0.3 (2) | 0.7 (0.9) | -2.1 (0.9) | -0.2 | 0.02 | |
| 736 | 21:42:18.64 | 57:37:06.4[r] | 851 | 3851 | | | | 14.4[j] | | | 13.010 (31) | 12.807 (40) | 12.620 (37)[r] | | | -3.3 (3.8) | -1.8 (3.8) | 5.2 (7.3) | -19 (7.3) | -0.17 | 0.15 | |
| 737 | 21:42:21.68 | 57:37:50.6[r] | 852 | 5107 | | | | 14.3[j] | | | 12.584 (26) | 12.337 (32) | 12.181 (24)[r] | | | -4.6 (3.8) | 0.1 (3.8) | 6.1 (7.3) | -15.6 (7.3) | -0.13 | 0.44 | |
| 738 | 21:42:24.56 | 57:37:53.1[r] | 853 | 3853 | | | | 13.9[j] | | | 10.690 (24) | 9.976 (31) | 9.732 (19)[r] | | | 0.3 (4.7) | -6.3 (4.7) | 0.9 (7.2) | -9.8 (7.2) | -0.01 | -0.3 | |
| 739 | 21:42:26.13 | 57:36:28.7[r] | 854 | 3854 | | | | 13.4[j] | | | 12.175 (26) | 11.934 (32) | 11.838 (24)[r] | | | -35.5 (7) | -4.7 (7) | -1.1 (7.1) | -80.8 (7.1) | 0.16 | 0.13 | |
| 740 | 21:41:42.96 | 57:40:38.0[r] | 855 | 3855 | | | | 12.6[j] | | | 10.012 (26) | 9.253 (30) | 9.054 (19)[r] | | | -4.6 (4.9) | -6 (4.9) | -3.7 (7.4) | -10 (7.4) | 0.3 | -0.15 | |
| 741 | 21:42:16.62 | 57:39:53.8[r] | 856 | 3856 | | | | 13.9[j] | | | 10.757 (26) | 9.978 (30) | 9.772 (21)[r] | | | -7.1 (4.7) | -7 (4.7) | -4.8 (7.3) | -12.4 (7.3) | 0.32 | -0.2 | |
| 742 | 21:42:18.08 | 57:41:09.7[r] | 857 | 3857 | | | | 14.2[j] | | | 12.359 (26) | 12.105 (32) | 11.971 (21)[r] | | | -6.9 (12.8) | 6.8 (12.8) | -4.7 (7.3) | -6.1 (7.3) | 0.2 | 0.09 | |
| 743 | 21:41:44.48 | 57:42:32.4[r] | 858 | 3858 | | | | 13.7[j] | | | 11.279 (26) | 10.653 (28) | 10.514 (19)[r] | | | -10.8 (3.8) | -11.4 (3.8) | -20.2 (7.4) | -24.7 (7.4) | 0.86 | -0.71 | |
| 744 | 21:41:40.29 | 57:43:25.0[r] | 859 | 3859 | | | | 13.5[j] | | | 11.380 (24) | 10.816 (31) | 10.702 (21)[r] | | | 13.9 (3.8) | -2.5 (3.8) | | | -0.35 | -0.46 | |
| 745 | 21:42:02.51 | 57:44:42.6[r] | 861 | 3861 | | | | 14.4[j] | | | 13.020 (26) | 12.798 (32) | 12.688 (24)[r] | | | -7.4 (3.8) | -5.7 (3.8) | 0.8 (7.3) | -15.7 (7.3) | 0.21 | -0.07 | |
| 746 | 21:41:50.94 | 57:45:36.8[r] | 862 | 3862 | | | | 14.5[j] | | | 12.861 (27) | 12.667 (28) | 12.521 (19)[r] | | | -15.5 (3.8) | -3.9 (3.8) | -31.4 (7.2) | 3.1 (7.1) | 0.49 | -0.01 | |
| 747 | 21:42:14.09 | 57:43:09.9[r] | 863 | 3863 | | | | 12.1[j] | | | 10.813 (26) | 10.436 (30) | 10.335 (21)[r] | | | -1 (11.6) | 7.3 (11.6) | 8.3 (1.1) | 5.7 (1.4) | -0.93 | 0.76 | |
| 748 | 21:42:24.18 | 57:44:09.9[r] | 864 | 750 | | 6.28[l] | 7.09[l] | 6.86[l] | | | 6.072 (24) | 5.914 (33) | 5.567 (17)[r] | B0[P] V[P] | | -2.3 (0.5) | -4.6 (0.5) | -1 (2.9) | 3.2 (2.4) | -0.49 | -0.39 | |
| 749 | 21:42:32.89 | 57:13:05.8[r] | 865 | 3865 | | | | 12.1[j] | | | 9.525 (26) | 8.813 (33) | 8.561 (22)[r] | | | -2.2 (5.1) | 0.8 (5.1) | 3.8 (7.4) | 14.6 (7.5) | -0.38 | 0.33 | |
| 750 | 21:42:43.58 | 57:12:00.1[r] | 866 | 3866 | | | | 10.7[j] | | | 7.095 (20) | 6.247 (23) | 5.946 (16)[r] | | | -6.3 (13.3) | 7.1 (13.3) | -4.1 (1.4) | -8.2 (0.6) | 0.6 | -0.21 | |
| 751 | 21:43:31.88 | 57:13:22.0[r] | 867 | 3867 | | | | 13.3[j] | | | 12.163 (29) | 11.992 (32) | 11.868 (21)[r] | | | -4.9 (4.1) | -3.8 (4.1) | -8.3 (1.9) | -2.3 (0.9) | | | |
| 752 | 21:43:17.56 | 57:15:47.0[r] | 868 | 3868 | | | | 13.2[j] | | | 10.232 (32) | 9.559 (36) | 9.330 (28)[r] | | | 2.6 (5.1) | -5.4 (5.1) | 6.1 (7.3) | 51.2 (7.4) | -0.37 | -0.19 | |
| 753 | 21:43:17.39 | 57:18:36.0[r] | 869 | 3869 | | | | 12.7[j] | | | 11.438 (25) | 11.150 (30) | 11.074 (23)[r] | | | 0.5 (4.1) | 4.4 (4.1) | 7.3 (7.1) | 14.5 (7) | -0.34 | 0.81 | |
| 754 | 21:42:52.60 | 57:20:12.2[r] | 870 | 3870 | | | | 14.3[j] | | | 10.755 (27) | 9.948 (29) | 9.698 (21)[r] | | | -5.3 (5.1) | -2.3 (5.1) | 4.1 (6.9) | 15.4 (6.9) | -0.3 | 0.36 | [m] imprec. |
| 755 | 21:42:45.73 | 57:20:13.4[r] | 871 | 3871 | | | | 13.8[j] | | | 12.427 (26) | 12.202 (31) | 12.080 (23)[r] | | | -5.8 (4.1) | 0.1 (4.1) | 6.1 (6.9) | 12.2 (6.9) | 0.28 | 0.01 | |
| 756 | 21:42:30.58 | 57:20:13.3[r] | 872 | 3872 | | | | 12.6[j] | | | 11.167 (27) | 10.821 (31) | 10.702 (23)[r] | | | -10.9 (4.1) | -0.8 (4.1) | -5.5 (1.5) | -0.8 (2.1) | 0.15 | -0.04 | |
| 757 | 21:42:38.71 | 57:21:12.1[r] | 873 | 3873[a] | | 16.39[k] | 14.94[k] | 13.9[j] | | | 12.272 (26) | 11.994 (32) | 11.886 (24)[r] | F4[q] | | -6.5 (4.1) | 5.2 (4.1) | 6 (6.9) | 25.4 (6.9) | 0.29 | 0.42 | |
| 758 | 21:42:58.64 | 57:21:38.5[r] | 874 | 3874 | | | | 13.5[j] | | | 11.284 (46) | 10.828 (52) | 10.682 (50)[r] | | | 9.3 (4.1) | 1.2 (4.1) | 47.1 (7.1) | 23.5 (7.1) | -0.51 | 0.55 | |
| 759 | 21:43:01.72 | 57:23:27.6[r] | 875 | 3875 | | | | 14.6[j] | | | 10.817 (27) | 10.062 (29) | 9.815 (21)[r] | | | -5.5 (5.1) | -4.4 (5.1) | -3.2 (6.9) | 10.8 (6.9) | -0.39 | -0.23 | |
| 760 | 21:43:01.75 | 57:23:54.4[j] | 876 | 3876 | | | | 14.6[j] | | | | | | | | -5.6 (5.7) | -2.5 (5.7) | 92.5 (7.1) | 47.9 (7.1) | -0.11 | -0.32 | |
| 761 | 21:43:04.80 | 57:24:01.1[r] | 877 | 3877 | | | | 13.3[j] | | | 11.763 (27) | 11.363 (31) | 11.288 (21)[r] | | | -16 (10) | -10.5 (10) | -4.1 (6.9) | 9.7 (6.9) | 0.81 | -0.82 | |
| 762 | 21:43:06.74 | 57:24:15.6[r] | 878 | 3878 | | | | 12.4[j] | | | 11.188 (25) | 10.895 (31) | 10.807 (19)[r] | | | -10.4 (4.1) | 3.3 (4.1) | -11.4 (0.9) | 3.4 (1.5) | 0.65 | 0.23 | |
| 763 | 21:43:09.50 | 57:24:54.2[r] | 879 | 3879 | | | | 14.1[j] | | | 12.176 (27) | 11.742 (31) | 11.643 (19)[r] | | | 24 (3.9) | -2.6 (3.9) | 45 (6.9) | 15.8 (6.9) | -3.06 | 0.46 | |
| 764 | 21:42:49.20 | 57:26:09.0[r] | 880 | 3880 | | | | 12.9[j] | | | 11.836 (27) | 11.702 (31) | 11.578 (23)[r] | | | -1.8 (3.9) | -0.5 (3.9) | -2.9 (7.1) | 14.1 (7) | -0.37 | 0.31 | |
| 765 | 21:43:06.62 | 57:28:22.3[r] | 881 | 506 | | | | 10.4[j] | | | 9.657 (27) | 9.486 (31) | 9.437 (19)[r] | F0[q] | | 11.1 (1.6) | 9.5 (1.6) | 12.4 (1.5) | 6.1 (0.8) | -1.48 | 1.1 | |
| 766 | 21:42:59.84 | 57:28:11.3[r] | 882 | 3882 | | | | 14.2[j] | | | 12.441 (29) | 12.082 (31) | 11.965 (24)[r] | | | -6.8 (3.8) | -7 (3.8) | -7.3 (7.4) | -19.4 (7.4) | 0.3 | -0.84 | |
| 767 | 21:42:50.18 | 57:28:32.1[r] | 883 | 502 | | | | 10.7[j] | | | 8.609 (24) | 8.121 (27) | 7.871 (26)[r] | | | -9.8 (2.7) | -2.3 (2.7) | 0.4 (1.1) | -7 (0.8) | 0.01 | -0.37 | |
| 768 | 21:42:45.29 | 57:29:23.6[r] | 884 | 3884 | | | | 12.9[j] | | | 11.238 (26) | 10.827 (32) | 10.747 (19)[r] | | | -4.1 (3.9) | -10 (3.9) | -4.6 (7.3) | -23.5 (7.3) | -0.09 | -0.51 | |
| 769 | 21:42:29.79 | 57:29:26.2[r] | 885 | 3885 | | | | 12.4[j] | | | 11.465 (27) | 11.338 (32) | 11.246 (24)[r] | | | -1.6 (3.9) | -0.3 (3.9) | 3.6 (7.4) | 1 (7.4) | -0.32 | 0.56 | |
| 770 | 21:42:36.90 | 57:30:04.3[j] | 886 | 3886 | | | | 14.2[j] | | | | | | | | | | | | | | no star |

[a] also 5112

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 771 | 21:42:35.52 | 57:30:57.5[r] | 888 | 3888 | | | | 14.6[j] | | | 12.821 (27) | 12.533 (32) | 12.419 (28)[r] | | | | -57 (5.1) | -8.9 (5.1) | -11.8 (7.3) | -25.1 (7.3) | | | |
| 772 | 21:42:42.10 | 57:30:14.3[r] | 889 | 3889 | | | | 13.3[j] | | | 10.365 (27) | 9.665 (37) | 9.424 (26)[r] | | | | -19 (11.6) | 22.7 (11.6) | -7.6 (6.7) | 64 (6.8) | -0.4 | 0.63 | |
| 773 | 21:42:42.61 | 57:30:02.8[r] | 890 | 3890 | | | | 14.5[j] | | | 9.144 (32) | 7.981 (33) | 7.601 (27)[r] | | | | 6.9 (4.9) | -11.6 (4.9) | 17.7 (6.4) | -20.9 (6.5) | 0.3 | 0.56 | |
| 774 | 21:42:57.36 | 57:30:45.5[r] | 891 | 3891 | | | | 12.7[j] | | | 9.917 (27) | 9.184 (30) | 8.920 (21)[r] | | | | -4.8 (4.7) | -5.7 (4.7) | -3.2 (7.4) | -7.5 (7.4) | 0.25 | -0.14 | |
| 775 | 21:42:47.07 | 57:31:52.2[r] | 892 | 3892 | | | | 13.7[j] | | | 11.970 (27) | 11.562 (30) | 11.458 (23)[r] | | | | -19.7 (11) | -1.5 (11) | -3 (7.3) | -15.7 (7.4) | -0.07 | -0.2 | |
| 776 | 21:42:21.53 | 57:33:02.2[r] | 893 | 3893 | | | | 14.7[j] | | | 12.509 (24) | 12.160 (30) | 11.920 (21)[r] | | | | -10.3 (3.8) | 4.7 (3.8) | -2.4 (7.5) | -8.1 (7.3) | 0.15 | 0.38 | |
| 777 | 21:42:33.57 | 57:32:58.0[r] | 894 | 3894 | | | | 14.3[j] | | | 12.530 (26) | 12.116 (31) | 12.006 (23)[r] | | | | -18.8 (3.9) | -13.1 (3.9) | -22.5 (7.3) | -28.2 (7.3) | 1.35 | -1.4 | |
| 778 | 21:42:39.98 | 57:33:18.0[r] | 895 | 3895 | | | | 13.3[j] | | | 10.251 (26) | 9.467 (31) | 9.215 (21)[r] | | | | -15.2 (10) | 10.8 (10) | -2.9 (7.3) | -12.3 (7.4) | 0.28 | 0.11 | |
| 779 | 21:42:47.35 | 57:34:15.8[r] | 896 | 3896 | | | | 14.6[j] | | | 12.580 (30) | 12.176 (32) | 12.085 (24)[r] | | | | 2.1 (3.8) | 10.6 (3.8) | -6.9 (7.3) | 14.1 (7.3) | -1.26 | 0.76 | 2x[r] |
| 780 | 21:42:47.82 | 57:34:11.9[r] | 896 | 3896 | | | | 14.6[j] | | | 15.398 (72) | 14.741 (79) | 14.435 (84)[r] | | | | 6 (5.1) | 18.3 (5.1) | -6.9 (7.3) | 14.1 (7.3) | -1.26 | 0.76 | 2x[r] (faint) |
| 781 | 21:42:55.08 | 57:33:45.1[r] | 897 | 3897 | | | | 12.8[j] | | | 9.130 (37) | 8.336 (63) | 7.975 (23)[r] | | | | -16.5 (4.7) | 9 (4.7) | 7.5 (7.3) | -3.3 (7.3) | 0.09 | 0.02 | |
| 782 | 21:43:07.63 | 57:34:49.1[r] | 898 | 505 | | 12.75[1] | 11.98[1] | 10.82[1] | | | 8.711 (46) | 8.193 (59) | 8.026 (31)[r] | G2:[q] | | | -8.2 (2) | -2.5 (2) | -5 (1.6) | -3.5 (1) | 0.43 | -0.22 | |
| 783 | 21:42:54.78 | 57:36:11.0[r] | 899 | 3899 | | | | 13.3[j] | | | 11.712 (27) | 11.407 (32) | 11.271 (24)[r] | | | | 0.6 (3.8) | -1.7 (3.8) | | | -0.1 | 0 | |
| 784 | 21:42:57.79 | 57:36:36.2[r] | 900 | 3900 | | | | 14.1[j] | | | 12.404 (30) | 12.045 (35) | 11.965 (30)[r] | | | | 15.6 (3.8) | 3.6 (3.8) | 46.3 (7.2) | 14.2 (7.3) | -1.73 | 0.64 | |
| 785 | 21:42:53.00 | 57:37:05.2[r] | 901 | 503 | | | | 10[j] | | | 6.880 (23) | 6.021 (38) | 5.804 (23)[r] | | | | 14.9 (2.7) | 29.4 (2.7) | 10.7 (1) | 16.9 (1.3) | -1.08 | 1.77 | |
| 786 | 21:43:07.13 | 57:37:45.7[r] | 902 | 3902 | | | | 14[j] | | | 10.746 (29) | 9.939 (32) | 9.712 (19)[r] | | | | -3.9 (4.7) | -4.5 (4.7) | -2.5 (7.3) | -6.5 (7.3) | 0.27 | -0.32 | |
| 787 | 21:42:40.71 | 57:37:39.7[r] | 903 | 501 | | | | 9.9[j] | | | 7.626 (26) | 7.031 (26) | 6.891 (21)[r] | gG8[q] | | | -13 (2) | 3 (2) | -10.3 (0.7) | -5.4 (1.4) | 1 | -0.34 | |
| 788 | 21:43:02.88 | 57:40:21.5[r] | 906 | 3906 | | | | 13.4[j] | | | 11.955 (33) | 11.700 (40) | 11.569 (26)[r] | | | | -3.7 (3.8) | -11.7 (3.8) | 1.8 (7.4) | -31.8 (7.4) | 0.27 | -0.84 | |
| 789 | 21:42:59.67 | 57:42:42.6[r] | 907 | 3907 | | | | 13.3[j] | | | 11.906 (27) | 11.653 (30) | 11.488 (18)[r] | | | | -0.6 (3.8) | -2.1 (3.8) | 11.4 (7.3) | 1.5 (7.3) | 0.39 | -0.27 | |
| 790 | 21:42:53.98 | 57:43:47.5[r] | 908 | 752 | | | | 11.6[j] | | | 10.977 (29) | 10.823 (32) | 10.732 (19)[r] | | | | -7.3 (2) | -4.7 (2) | -8 (0.6) | -5.2 (1) | 0.74 | -0.44 | |
| 791 | 21:42:46.96 | 57:44:38.2[r] | 909 | 3909 | | | | 12.3[j] | | | 11.340 (25) | 11.156 (31) | 11.071 (23)[r] | | | | -4.8 (3.9) | -3.8 (3.9) | -3.3 (3.5) | -1 (1.5) | 0.19 | -0.07 | |
| 792 | 21:42:43.14 | 57:45:22.8[r] | 910 | 3910 | | 13.47[1] | 12.74[1] | 11.67[1] | | | 9.377 (27) | 8.803 (32) | 8.609 (21)[r] | | | | -3.5 (2.7) | 10.6 (2.7) | 3.7 (0.9) | -0.4 (2.2) | -0.35 | 0.16 | |
| 793 | 21:42:35.60 | 57:46:18.0[r] | 911 | 3911 | | | | 11.9[j] | | | 11.518 (26) | 11.376 (31) | 11.365 (24)[r] | | | | -11.3 (3.8) | -7.1 (3.8) | -6.2 (0.6) | -6.1 (0.8) | 0.68 | -0.22 | |
| 794 | 21:42:31.75 | 57:46:39.2[r] | 912 | 3912 | | | | 12[j] | | | 11.143 (34) | 10.842 (40) | 10.767 (30)[r] | | | | -47.7 (13.4) | 43.7 (13.4) | -1.6 (9.2) | 9.7 (15.9) | -0.29 | 0.76 | |
| 795 | 21:43:35.45 | 57:14:20.3[r] | 914 | 3914 | | | | 12.8[j] | | | 11.211 (29) | 10.872 (32) | 10.770 (24)[r] | | | | -4 (4.1) | -10.1 (4.1) | 6.5 (7.3) | 1.1 (7.3) | 0.47 | -0.58 | |
| 796 | 21:43:37.03 | 57:14:26.0[r] | 915 | 3915 | | | | 12.7[j] | | | 11.268 (27) | 10.975 (31) | 10.858 (21)[r] | | | | -1.7 (4.1) | -1 (4.1) | 3.9 (7.1) | 8.9 (7.1) | 0.25 | 0.11 | |
| 797 | 21:43:49.21 | 57:15:22.1[r] | 916 | 3916 | | | | 14[j] | | | 12.189 (23) | 11.930 (29) | 11.800 (21)[r] | | | | -5.4 (4.1) | -6.4 (4.1) | 1.2 (6.9) | 5.4 (6.9) | 0.85 | -0.52 | |
| 798 | 21:44:06.64 | 57:15:52.5[r] | 917 | 3917 | | | | 12.1[j] | | | 9.411 (21) | 8.687 (49) | 8.450 (19)[r] | | | | -4.3 (5.1) | -8.9 (5.1) | -1.8 (7.5) | 6 (7.5) | 0.16 | -0.48 | |
| 799 | 21:44:14.98 | 57:15:20.7[r] | 918 | 3918 | | | | 12[j] | | | 10.757 (21) | 10.422 (29) | 10.296 (19)[r] | | | | -26 (3.1) | 2.7 (3.1) | -16.8 (0.6) | -4.4 (0.8) | 1.61 | -0.46 | |
| 800 | 21:44:17.33 | 57:15:14.0[r] | 919 | 3919 | | | | 13.3[j] | | | 11.583 (23) | 11.291 (31) | 11.166 (23)[r] | | | | 15.1 (4.1) | -23 (4.1) | 58.1 (7.4) | -83 (7.4) | -0.81 | 0.25 | |
| 801 | 21:44:17.86 | 57:14:13.0[r] | 920 | 3920 | | | | 13.7[j] | | | 11.947 (24) | 11.711 (35) | 11.601 (28)[r] | | | | 17.9 (19) | 31.5 (19) | | | 0.28 | -0.07 | |
| 802 | 21:44:38.04 | 57:16:28.2[r] | 921 | 512 | | | | 10.6[j] | | | 9.955 (32) | 9.754 (37) | 9.618 (26)[r] | A5[q] | | | 9.1 (1.8) | 3.3 (1.8) | 5.2 (0.8) | 1.8 (1.1) | -0.17 | 0.95 | |
| 803 | 21:44:18.76 | 57:17:39.7[r] | 922 | 3922 | | | | 12.5[j] | | | 10.191 (23) | 9.805 (31) | 9.571 (19)[r] | | | | -4.6 (5.1) | -2.2 (5.1) | -9.3 (7.3) | 20.7 (7.3) | 0.4 | 0.12 | |
| 804 | 21:43:38.07 | 57:19:19.6[r] | 923 | 3923 | | | | 14[j] | | | 12.315 (23) | 12.064 (33) | 11.908 (21)[r] | | | | -5.9 (4.1) | -2.3 (4.1) | 8 (6.9) | 8.5 (6.9) | 0.22 | -0.12 | |
| 805 | 21:44:13.93 | 57:20:04.9[r] | 924 | 3924 | | | | 12.7[j] | | | 11.592 (24) | 11.367 (31) | 11.231 (23)[r] | | | | -8.3 (13.2) | 5.1 (13.2) | 3.7 (7.1) | 26.6 (7.1) | 0.64 | -0.11 | |
| 806 | 21:44:11.71 | 57:20:16.7[r] | 925 | 3925 | | | | 14.3[j] | | | 12.416 (23) | 12.122 (31) | 11.977 (24)[r] | | | | -6.9 (4.1) | 3.5 (6.8) | 16.4 (6.8) | -1.4 (7.4) | -0.14 | -0.23 | |
| 807 | 21:44:34.95 | 57:20:09.8[r] | 926 | 3926 | | | | 13.1[j] | | | 11.040 () | 11.093 (68) | 10.941 (64)[r] | | | | 14.1 (18.3) | -15.4 (18.3) | 15.4 (7.1) | -16.4 (7.1) | 0.32 | 0.07 | |
| 808 | 21:44:34.10 | 57:20:32.9[r] | 927 | 3927 | | | | 14.2[j] | | | 12.476 (38) | 12.135 (37) | 12.064 (30)[r] | | | | -4.3 (4.1) | 7.3 (4.1) | 15.1 (7) | 51.2 (7) | -0.15 | 0.35 | |
| 809 | 21:43:33.30 | 57:22:15.7[r] | 928 | 3928 | | | | 13.8[j] | | | 11.914 (27) | 11.495 (31) | 11.414 (21)[r] | | | | -0.2 (4.1) | 5 (4.1) | 11.2 (7) | 15.2 (7) | -0.63 | 0.43 | |
| 810 | 21:43:48.82 | 57:24:29.9[r] | 929 | 3929 | | | | 14.2[j] | | | 12.507 (24) | 12.261 (33) | 12.115 (24)[r] | | | | -4 (4.1) | -4.2 (4.1) | -2.5 (7) | 24.7 (7) | 0.32 | -0.02 | |
| 811 | 21:44:11.72 | 57:23:34.1[r] | 930 | 3930 | | | | 12.9[j] | | | 11.424 (24) | 11.071 (31) | 11.003 (23)[r] | | | | 2.6 (4.1) | -12 (4.1) | 29.2 (7.1) | -21.3 (7.1) | 0.44 | -0.17 | |
| 812 | 21:44:20.60 | 57:22:25.1[r] | 931 | 3931 | | | | 14.1[j] | | | 12.494 (26) | 12.243 (35) | 12.096 (26)[r] | | | | -3 (4.1) | 1.4 (4.1) | 5.1 (6.9) | 21.4 (6.8) | -0.16 | 0.02 | |
| 813 | 21:44:33.25 | 57:22:44.5[r] | 932 | 3932 | | | | 13.9[j] | | | 10.766 (27) | 10.083 (34) | 9.873 (20)[r] | | | | -6 (5.1) | -4.9 (5.1) | 5.8 (7.1) | 6.6 (7) | 0.04 | -0.22 | |
| 814 | 21:44:37.97 | 57:22:41.5[j] | 933 | 3933 | | | | 14[j] | | | | | | | | | | | | | | | no star |
| 815 | 21:44:09.86 | 57:25:18.0[r] | 935 | 3935 | | | | 13.7[j] | | | 12.078 (23) | 11.886 (31) | 11.668 (21)[r] | | | | -3.4 (4.1) | -0.1 (4.1) | 9.9 (6.9) | 15.4 (6.9) | -0.42 | 0.04 | |
| 816 | 21:44:03.07 | 57:26:19.2[r] | 936 | 509 | | 11.09[1] | 10.93[1] | 10.47[1] | | | 11.025 () | 13.068 (88) | 12.772 (58)[r] | A0[q] | | | | | -1.6 (1.5) | -7.6 (1) | 0.09 | -0.02 | 2x[r] |
| 817 | 21:44:02.57 | 57:26:21.8[r] | 936 | 509 | | 11.09[1] | 10.93[1] | 10.47[1] | | | 9.493 (26) | 9.434 (33) | 9.341 (28)[r] | A0[q] | | | 4.4 (1.3) | -10.3 (1.3) | -1.6 (1.5) | -7.6 (1) | 0.09 | -0.02 | 2x[r] |
| 818 | 21:44:13.04 | 57:27:22.6[r] | 937 | 3937 | | | | 12.8[j] | | | 11.758 (24) | 11.555 (30) | 11.460 (23)[r] | | | | -5.7 (4.1) | -4.4 (4.1) | -1.5 (7.4) | -15.3 (7.4) | -0.22 | -0.36 | |
| 819 | 21:44:35.70 | 57:27:12.5[r] | 938 | 511 | | | | 9.1[j] | | | 6.500 (26) | 5.973 (51) | 5.882 (21)[r] | gG8[q] | | | 23.2 (1.2) | 14.7 (1.2) | 25 (0.7) | 13.2 (1.1) | -2.13 | 2.01 | |
| 820 | 21:43:19.72 | 57:29:52.3[r] | 939 | 3939 | | | | 13.3[j] | | | 10.358 (25) | 9.589 (29) | 9.373 (19)[r] | | | | -5 (4.7) | -8.6 (4.7) | -1.2 (7.3) | -27.9 (7.3) | 0.55 | -0.38 | |
| 821 | 21:43:27.23 | 57:28:54.8[r] | 940 | 3940 | | | | 14.4[j] | | | 12.511 (25) | 12.228 (32) | 12.095 (24)[r] | | | | -2.1 (3.8) | -8.2 (3.8) | 2.7 (7.3) | -16 (7.5) | 0.05 | -0.37 | |
| 822 | 21:43:20.07 | 57:31:35.5[r] | 941 | 3941 | | | | 13[j] | | | 11.745 (25) | 11.509 (31) | 11.378 (21)[r] | | | | -3.8 (3.8) | -3.7 (3.8) | 0.6 (7.3) | -5.8 (7.4) | 0.19 | 0.06 | |
| 823 | 21:43:15.49 | 57:32:10.9[r] | 942 | 3942 | | | | 14.2[j] | | | 8.477 (30) | 7.235 (69) | 6.790 (20)[r] | | | | -202.6 (7.2) | -64.8 (7.2) | -10.9 (7.2) | 14.1 (7.2) | 0.2 | -0.2 | |

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA mas/yr | $\mu_\delta$ [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 824 | 21:43:59.05 | 57:29:34.2[r] | 943 | 5123 | | | | 14.6[j] | | | 12.317 (32) | 11.896 (43) | 11.752 (30)[r] | | | -33.2 (7.1) | -13.4 (7.1) | -69.4 (7.3) | -70.5 (7.4) | -0.2 | 0.4 | |
| 825 | 21:43:37.45 | 57:32:22.6[r] | 944 | 3944 | | | | 14.2[j] | | | 12.683 (32) | 12.408 (36) | 12.271 (32)[r] | | | -11.1 (3.9) | -3.5 (3.9) | 3.4 (7.3) | -17.9 (7.3) | 0.2 | -0.35 | |
| 826 | 21:43:39.80 | 57:33:11.7[r] | 945 | 507 | | | | 11.9[j] | | | 11.472 (24) | 11.415 (32) | 11.303 (19)[r] | A0[q] | | 8.8 (3.8) | -14.2 (3.8) | -4.6 (6.2) | -7.3 (12.9) | 0.25 | -0.36 | |
| 827 | 21:43:17.82 | 57:34:30.8[r] | 946 | 3946 | | | | 12.1[j] | | | 9.558 (25) | 8.848 (33) | 8.655 (19)[r] | | | -14.4 (10) | 13.2 (10) | -6.5 (7.5) | -3.4 (7.5) | 0.43 | 0.49 | |
| 828 | 21:43:25.74 | 57:34:43.3[r] | 947 | 3947 | | | | 14.5[j] | | | 12.512 (29) | 12.148 (36) | 12.037 (28)[r] | | | -53.2 (5.1) | 44.8 (5.1) | | | 0.12 | 0.49 | |
| 829 | 21:43:44.29 | 57:34:07.0[r] | 948 | 3948 | | | | 13.5[j] | | | 11.941 (24) | 11.569 (33) | 11.404 (23)[r] | | | -30.6 (5.2) | 6.7 (5.2) | -7 (7.4) | -13.9 (7.5) | 0.09 | -0.6 | |
| 830 | 21:43:53.79 | 57:35:59.1[r] | 949 | 3949 | | | | 12.9[j] | | | 10.693 (21) | 10.250 (30) | 10.060 (19)[r] | | | -4.5 (4) | 0.7 (4) | 1.1 (7.4) | -6.8 (7.4) | -0.31 | 0.13 | |
| 831 | 21:43:56.70 | 57:35:55.1[r] | 950 | 508 | | | | 11.3[j] | | | 10.340 (21) | 10.091 (30) | 9.970 (21)[r] | | | 1.8 (2) | -8.9 (2) | -9.6 (1.4) | -7.4 (1.4) | 0.95 | -0.75 | |
| 832 | 21:44:17.90 | 57:34:44.2[r] | 952 | 3952 | | | | 14[j] | | | 12.158 (23) | 11.809 (31) | 11.682 (18)[r] | | | -6.7 (3.8) | 13.2 (3.8) | 13.7 (7.3) | -0.4 (7.4) | -1.3 | 1.05 | |
| 833 | 21:44:31.31 | 57:33:30.0[r] | 953 | 3953 | | | | 14.4[j] | | | 11.846 (25) | 11.441 (30) | 11.272 (22)[r] | | | -11.5 (3.9) | -4.6 (3.9) | 3 (7.2) | -16.6 (7.3) | 0.34 | -0.02 | |
| 834 | 21:44:32.71 | 57:34:19.5[r] | 954 | 3954 | | | | 14.3[j] | | | 12.133 (27) | 11.725 (30) | 11.612 (18)[r] | | | -3.7 (4.1) | -15.7 (4.1) | -0.9 (7.3) | -25.6 (7.4) | 0.46 | -1.43 | |
| 835 | 21:44:36.08 | 57:35:01.4[r] | 955 | 3955 | | | | 12.4[j] | | | 11.236 (25) | 10.891 (32) | 10.857 (22)[r] | | | -4.7 (4.1) | -15.2 (4.1) | 1 (7.4) | -25.7 (7.4) | 0.44 | -1.5 | |
| 836 | 21:44:14.18 | 57:36:35.9[r] | 956 | 3956 | | | | 13.5[j] | | | 11.541 (23) | 11.142 (31) | 10.966 (21)[r] | | | 10.9 (11.5) | 3.4 (11.5) | 14.8 (7.4) | -7.1 (7.4) | -1.17 | 0.44 | |
| 837 | 21:44:07.36 | 57:37:01.2[r] | 957 | 3957 | | | | 14.5[j] | | | 12.317 (23) | 11.995 (32) | 11.766 (21)[r] | | | 1.5 (4) | 2.2 (4) | 8.1 (7.4) | -1.2 (7.3) | -0.82 | 0.25 | |
| 838 | 21:43:57.70 | 57:37:18.2[r] | 958 | 3958 | | | | 14.4[j] | | | 11.750 (21) | 11.168 (32) | 10.976 (19)[r] | | | -11.7 (4) | 0.1 (4) | -4.1 (7.3) | -7.8 (7.4) | 0.34 | 0.2 | |
| 839 | 21:43:22.33 | 57:39:53.8[r] | 959 | 3959 | | | | 12.5[j] | | | 11.848 (27) | 11.671 (33) | 11.617 (24)[r] | | | -20.2 (11.6) | -7.2 (11.6) | -1 (4) | -2.9 (2.3) | 0.21 | -0.4 | |
| 840 | 21:43:58.34 | 57:39:13.6[r] | 960 | 3960 | | | | 13.5[j] | | | 11.488 (23) | 11.054 (31) | 10.886 (23)[r] | | | -13.8 (3.8) | -6.2 (3.8) | -9.5 (7.3) | -20.4 (7.3) | 0.67 | -0.91 | |
| 841 | 21:43:20.36 | 57:42:21.9[r] | 961 | 3961 | | | | 13[j] | | | 10.127 (27) | 9.386 (31) | 9.156 (19)[r] | | | -1.3 (4.7) | -2.5 (4.7) | -0.5 (7.5) | -4.4 (7.5) | -0.04 | -0.04 | |
| 842 | 21:43:24.69 | 57:42:41.2[r] | 962 | 3962 | | | | 13.8[j] | | | 11.833 (30) | 11.465 (32) | 11.276 (21)[r] | | | 24.6 (19.8) | -44.3 (19.8) | | | 0 | -0.13 | |
| 843 | 21:43:52.66 | 57:42:38.0[j] | 963 | 3963 | | | | 13.2[j] | | | | | | | | | | | | | | no star |
| 844 | 21:44:09.03 | 57:40:48.7[r] | 964 | 510 | | | | 11.7[j] | | | 14.433 (93) | 13.523 (66) | 13.076 (50)[r] | A5[q] | | | | 3.2 (2.7) | 2.3 (1.4) | -0.34 | 0.09 | 2x[r] (faint) |
| 845 | 21:44:08.56 | 57:40:52.2[r] | 964 | 510 | | | | 11.7[j] | | | 10.709 (28) | 10.459 (36) | 10.374 (33)[r] | A5[q] | | -8.3 (2.7) | -6 (2.7) | 3.2 (2.7) | 2.3 (1.4) | -0.34 | 0.09 | 2x[r] |
| 846 | 21:44:15.67 | 57:41:09.0[r] | 965 | 3965 | | | | 12.1[j] | | | 11.176 (23) | 10.889 (31) | 10.742 (21)[r] | | | 41.5 (14.3) | 20 (14.3) | 34.5 (1.7) | 29.9 (1.5) | -3.86 | 3.15 | |
| 847 | 21:44:25.15 | 57:41:37.7[r] | 966 | 3966 | | | | 10.9[j] | | | 8.682 (19) | 8.052 (31) | 7.900 (21)[r] | | | -12.6 (2.8) | 12.9 (2.8) | -4.8 (1.1) | -3.9 (2.3) | 0.83 | -0.55 | |
| 848 | 21:44:21.52 | 57:44:14.3[r] | 967 | 763 | | 9.33[l] | 9.32[l] | 9[l] | | | 8.247 (24) | 8.146 (23) | 8.158 (29)[r] | B8[P] III[P] | | 1.5 (0.7) | 2 (0.8) | 2 (0.6) | 1.6 (0.6) | -0.01 | -0.07 | |
| 849 | 21:43:11.02 | 57:35:42.8[r] | 968 | 3968 | | | | 13[j] | | | 11.988 (29) | 11.811 (33) | 11.718 (21)[r] | | | -6.2 (5.1) | -3.3 (5.1) | -6.9 (1.9) | -8.1 (1.6) | 0.55 | -0.74 | |
| 850 | 21:42:26.19 | 57:47:03.3[r] | 1000 | 4000 | | | | 12.2[j] | | | 10.155 (24) | 9.518 (30) | 9.368 (23)[r] | | | -9.7 (4.7) | -0.1 (4.7) | 7.5 (6.8) | 9.9 (6.8) | 0.32 | -0.1 | |
| 851 | 21:40:07.50 | 57:46:49.0[r] | 1001 | 733 | | | | 11.6[j] | | | 10.844 (26) | 10.562 (30) | 10.521 (18)[r] | A3[q] | | -6.3 (3.9) | -5.2 (3.9) | -4.3 (1) | -6.4 (0.9) | -0.09 | -0.19 | |
| 852 | 21:40:51.74 | 57:46:34.6[r] | 1002 | 4002 | | | | 14.1[j] | | | 10.333 (24) | 9.394 (26) | 9.183 (23)[r] | | | -15.8 (4.7) | 3.2 (4.7) | -107.2 (7.6) | 48.1 (7.6) | 0.03 | 0.35 | |
| 853 | 21:39:47.30 | 57:46:48.5[r] | 1003 | 4003 | | | | 13.2[j] | | | 10.410 (24) | 9.664 (28) | 9.488 (19)[r] | | | -3.3 (4.7) | -4.6 (4.7) | -4.5 (7.7) | -7.7 (7.8) | 0.2 | -0.36 | |
| 854 | 21:41:50.36 | 57:47:04.4[r] | 1004 | 4004 | | | | 12.5[j] | | | 8.676 (19) | 7.681 (57) | 7.393 (34)[r] | | | -433 (7.3) | -287.3 (6.9) | -7.9 (7.1) | -4.7 (7.2) | 0.14 | -0.18 | |
| 855 | 21:38:48.16 | 57:46:51.2[r] | 1005 | 4005 | | | | 12.9[j] | | | 10.205 (22) | 9.438 (28) | 9.227 (22)[r] | | | -1.5 (4.7) | -2.1 (4.7) | 3.4 (7.4) | 9.1 (7.4) | 0.06 | 0.16 | |
| 856 | 21:38:42.32 | 57:46:50.9[r] | 1006 | 4006 | | | | 11.9[j] | | | 10.911 (24) | 10.654 (28) | 10.586 (20)[r] | | | -2.7 (2.7) | -5 (2.7) | -7.1 (1.2) | -5.1 (1.5) | 0.25 | -0.36 | |
| 857 | 21:38:30.29 | 57:46:26.6[r] | 1007 | 716 | | | 9.96[f] | 9.5[e] | | | 8.310 (26) | 8.132 (51) | 8.100 (23)[r] | A7[e] | 0.8[e] | -3.4 (1.6) | -4.2 (1.6) | -5.8 (0.7) | -7.1 (1) | -0.06 | -0.4 | |
| 858 | 21:37:58.30 | 57:46:43.3[r] | 1008 | 4008 | | | | 12.4[j] | | | 9.895 (27) | 9.188 (33) | 8.961 (21)[r] | | | -18.8 (4.7) | 8.3 (4.7) | -15.4 (8.5) | 12.3 (8.6) | 0.96 | 1.07 | |
| 859 | 21:38:16.01 | 57:47:06.0[r] | 1009 | 4009 | | | | 13.5[j] | | | 11.896 (26) | 11.544 (31) | 11.434 (24)[r] | | | -9.7 (10.8) | -29.4 (10.8) | 6.4 (7.3) | -49.4 (7.4) | -0.05 | -3.08 | |
| 860 | 21:37:59.67 | 57:47:09.2[r] | 1010 | 4010 | | | | 12.1[j] | | | 9.670 (26) | 9.037 (31) | 8.900 (18)[r] | | | -0.6 (4.7) | -3.8 (4.7) | 10.9 (7.7) | -2.9 (7.8) | -0.22 | -0.92 | |
| 861 | 21:38:38.50 | 57:48:18.9[r] | 1011 | 4011 | | | | 11.7[j] | | | 9.259 (27) | 8.505 (47) | 8.296 (20)[r] | | | -0.5 (11.3) | -2.5 (11.3) | 2.1 (6.9) | -34.7 (7.1) | -0.07 | 0.17 | |
| 862 | 21:38:08.75 | 57:49:24.4[r] | 1012 | 4012 | | | | 12.9[j] | | | 11.433 (26) | 11.163 (32) | 11.027 (21)[r] | | | -2.9 (3.8) | 1.2 (3.8) | -5.6 (7.5) | 3.2 (7.5) | 0.03 | -0.13 | |
| 863 | 21:38:32.23 | 57:49:59.6[r] | 1014 | 4014 | | | | 13.3[j] | | | 11.371 (26) | 11.039 (31) | 10.836 (19)[r] | | | 10.2 (4) | 0.1 (4) | 14.9 (7.4) | 5.7 (7.5) | -1.82 | 0.34 | |
| 864 | 21:38:52.32 | 57:50:26.1[r] | 1015 | 4015 | | | | 13.7[j] | | | 10.614 (24) | 9.855 (28) | 9.684 (22)[r] | | | -1 (4.7) | -1.7 (4.7) | -7.1 (7.5) | 2.6 (7.5) | -0.21 | 0.21 | |
| 865 | 21:38:53.28 | 57:51:19.6[r] | 1016 | 719 | | | | 11.4[j] | | | 10.479 (25) | 10.215 (33) | 10.099 (22)[r] | G5[q] | | -4.8 (2) | -13.1 (1.9) | -6.7 (0.7) | -12.9 (0.6) | 0.28 | -1.13 | |
| 866 | 21:38:45.58 | 57:51:49.5[r] | 1017 | 4017 | | | | 13.6[j] | | | 11.940 (26) | 11.657 (33) | 11.526 (25)[r] | | | 3.1 (3.8) | -2.4 (3.8) | 9.3 (7.4) | -12.8 (7.4) | -0.35 | -0.09 | |
| 867 | 21:37:56.44 | 57:53:13.8[r] | 1018 | 4018 | | | | 12.8[j] | | | 11.578 (27) | 11.299 (31) | 11.192 (19)[r] | | | -7.4 (3.8) | -3.6 (3.8) | -5 (7.4) | 0.4 (7.4) | 0.18 | -0.27 | |
| 868 | 21:38:07.83 | 57:55:21.8[r] | 1020 | 4020 | | | | 13.3[j] | | | 12.240 (26) | 12.077 (31) | 11.972 (19)[r] | | | -0.7 (3.8) | -8.2 (3.8) | -9.4 (0.7) | -8.7 (0.5) | 0.26 | -0.36 | |
| 869 | 21:38:18.76 | 57:55:16.1[r] | 1021 | 4021 | | | | 13.7[j] | | | 11.951 (26) | 11.651 (31) | 11.500 (19)[r] | | | -8.3 (3.8) | -12.7 (3.8) | -8.8 (7.3) | -8.6 (7.3) | 0.42 | -0.25 | |
| 870 | 21:38:45.24 | 57:54:41.7[r] | 1022 | 717 | | | | 10.4[j] | | | 9.299 (22) | 8.991 (27) | 8.952 (19)[r] | F8[q] | | 6.9 (1.6) | 21.9 (1.6) | 5.5 (0.5) | 18.9 (0.9) | -1.29 | 2.11 | |
| 871 | 21:38:53.88 | 57:52:34.9[r] | 1023 | 4023 | | | | 13.8[j] | | | 11.868 (24) | 11.518 (28) | 11.392 (22)[r] | | | 2.6 (3.8) | 6.1 (3.8) | 2.6 (7.4) | -1 (7.5) | -0.37 | 0.4 | |
| 872 | 21:38:59.18 | 57:53:00.9[r] | 1024 | 4024 | | | | 12.1[j] | | | 9.649 (22) | 8.931 (30) | 8.767 (22)[r] | | | -6.5 (4.7) | 6.3 (4.7) | 12.9 (7) | -50.7 (7.2) | -0.1 | -0.25 | |
| 873 | 21:37:53.82 | 57:57:50.3[r] | 1025 | 4025 | | | | 12[j] | | | 10.170 (34) | 9.623 (35) | 9.494 (24)[r] | | | -2.4 (4.7) | 0.3 (4.7) | -9.1 (7.3) | 24.1 (7.3) | -0.33 | -0.8 | |
| 874 | 21:38:19.41 | 57:58:01.1[r] | 1026 | 4026 | | | | 11.8[j] | | | 9.495 (26) | 8.838 (31) | 8.681 (18)[r] | | | -6.2 (4.7) | 16 (4.7) | -1.1 (8.6) | 19.6 (8.7) | 0.01 | 2.35 | |
| 875 | 21:38:25.44 | 57:56:24.5[r] | 1027 | 4027 | | | | 13.8[j] | | | 10.422 (26) | 9.662 (31) | 9.402 (21)[r] | | | 1.7 (4.7) | -2.7 (4.7) | -3.8 (7.8) | 21.5 (7.8) | 0.02 | 0.4 | |
| 876 | 21:38:45.82 | 57:56:47.5[r] | 1028 | 4028 | | | | 13.4[j] | | | 13.549 (27) | 13.100 (36) | 12.923 (34)[r] | | | 45.1 (5) | -172.8 (5) | -2.1 (7.6) | -0.5 (7.6) | | | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | $U$ | $B$ | $V$ | $R$ | $I$ | $J$ | $H$ | $K$ | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss J2000 | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 877 | 21:38:00.09 | 57:59:36.6[r] | 1029 | 4029 | | | | 13.1[j] | | | 11.251 (26) | 10.662 (32) | 10.519 (19)[r] | | | | 81.6 (3.8) | 65.2 (3.8) | 75.1 (7.2) | 58.2 (7.2) | | | |
| 878 | 21:38:20.11 | 57:59:31.8[r] | 1030 | 715 | | | | 11.1[j] | | | 10.097 (32) | 9.864 (42) | 9.763 (28)[r] | A0[q] | | | -8.7 (2) | -13.1 (2) | -5.8 (5.1) | 10.8 (5.4) | 0.3 | -0.22 | |
| 879 | 21:38:37.74 | 57:58:19.7[r] | 1031 | 4031 | | | | 13.7[j] | | | 10.947 (29) | 10.389 (37) | 10.217 (26)[r] | | | | -20.2 (3.8) | -13 (3.8) | -79.5 (8) | -44.1 (8) | 0.22 | -0.39 | |
| 880 | 21:38:44.49 | 57:58:32.2[r] | 1032 | 4032 | | | | 12.8[j] | | | 10.317 (22) | 9.844 (30) | 9.660 (20)[r] | | | | -4.3 (4.7) | 0.7 (4.7) | -14.1 (8.1) | -0.7 (8.1) | -0.11 | -0.13 | |
| 881 | 21:37:58.68 | 58:01:38.4[r] | 1033 | 4033 | | | | 13.2[j] | | | 10.459 (26) | 9.717 (31) | 9.529 (21)[r] | | | | -3 (4.7) | 7.8 (4.7) | 15.1 (8.2) | 14.2 (8.2) | -0.66 | 1.43 | |
| 882 | 21:38:54.76 | 57:58:36.1[r] | 1034 | 718 | | | | 11.3[j] | | | 9.616 (24) | 9.023 (28) | 8.915 (22)[r] | dK3:[q] | | | 129 (2.7) | 147.8 (2.7) | 128 | 150 | | | [j] imprec. |
| 883 | 21:38:14.76 | 58:05:27.6[r] | 1035 | 4035 | | | | 12.8[j] | | | 10.683 (26) | 10.230 (30) | 10.101 (19)[r] | | | | -0.4 (3.8) | -6.8 (3.8) | 1.8 (7.2) | -10.3 (7.1) | 0.39 | -0.09 | |
| 884 | 21:38:45.13 | 58:04:30.2[r] | 1036 | 4036 | | | | 12.4[j] | | | 11.271 (22) | 11.058 (30) | 10.960 (23)[r] | | | | -0.3 (3.8) | -0.1 (3.8) | -8.6 (1.5) | -1.2 (2.7) | -0.02 | 0.02 | |
| 885 | 21:39:14.07 | 57:48:04.8[r] | 1037 | 721 | | 10.13[1] | 10.46[1] | 10.13[1] | | | 9.022 (24) | 8.827 (28) | 8.624 (22)[r] | B3[P] | V[P] | | -4.8 (1.2) | -3.7 (1.3) | -3.4 (0.6) | -2.5 (0.9) | -0.17 | 0.06 | |
| 886 | 21:39:34.04 | 57:47:17.1[r] | 1038 | 4038 | | | | 11.7[j] | | | 9.355 (26) | 8.591 (28) | 8.419 (21)[r] | | | | -7.4 (4.7) | -0.1 (4.7) | -9.5 (2.7) | -2.1 (1) | 0.07 | 0.07 | |
| 887 | 21:39:20.66 | 57:49:37.2[r] | 1039 | 4039 | | | | 11.8[j] | | | 10.868 (24) | 10.483 (29) | 10.443 (23)[r] | | | | 10.2 (2.7) | 0.3 (2.7) | 6.5 (1.2) | -1 (0.8) | -1.04 | 0 | |
| 888 | 21:39:33.59 | 57:49:17.0[r] | 1040 | 4040 | | | | 13.7[j] | | | 11.679 () | 11.473 () | 11.474 (36)[r] | | | | 10.5 (3.8) | 5.7 (3.8) | 41.2 (7.4) | 33.7 (7.4) | 0.44 | -0.15 | |
| 889 | 21:39:46.37 | 57:49:11.0[r] | 1041 | 4041 | | | | 13.3[j] | | | 12.049 (26) | 11.795 (28) | 11.713 (23)[r] | | | | -10.3 (3.9) | 2.7 (3.9) | -5.7 (7.5) | 1.3 (7.5) | -0.05 | 0.01 | |
| 890 | 21:39:57.46 | 57:49:45.8[r] | 1042 | 4042 | | | | 12.2[j] | | | 10.704 (26) | 10.309 (30) | 10.224 (23)[r] | | | | -10.2 (12.6) | -13.8 (12.6) | -18.9 (6.2) | -9.7 (7.2) | 1.48 | -0.7 | |
| 891 | 21:39:58.73 | 57:49:52.3[r] | 1043 | 4043 | | | | 12[j] | | | 11.406 (34) | 11.143 () | 11.114 ()[r] | | | | -4.5 (2.7) | -1.6 (2.7) | -7.7 (0.7) | -3 (1.7) | 0.1 | 0.07 | |
| 892 | 21:40:08.81 | 57:48:11.8[r] | 1044 | 734 | | | | 11.8[j] | | | 11.306 (26) | 11.178 (27) | 11.132 (21)[r] | A0[q] | | | -6.9 (2.7) | 1.5 (2.7) | -5.2 (0.7) | -3.5 (1) | -0.06 | -0.02 | |
| 893 | 21:39:19.13 | 57:52:43.1[r] | 1045 | 4045 | | | | 13.7[j] | | | 11.958 (35) | 11.667 (44) | 11.519 (34)[r] | | | | -7.3 (5.1) | 2.3 (5) | | | -0.26 | -0.02 | |
| 894 | 21:39:21.36 | 57:52:40.1[r] | 1046 | 722 | | | | 8.5[j] | | | 6.171 (19) | 5.662 (33) | 5.582 (16)[r] | g:G8[q] | | | -18.5 (1.2) | -4.3 (1.2) | -15.3 (0.6) | -6.7 (0.7) | 0.96 | -0.37 | |
| 895 | 21:39:28.27 | 57:51:18.0[r] | 1047 | 4047 | | | | 12.4[j] | | | 11.488 (22) | 11.327 (32) | 11.239 (23)[r] | | | | -6.8 (2.7) | -10.6 (2.7) | -6.7 (1.3) | -5.2 (5.1) | 0.09 | -0.15 | |
| 896 | 21:39:36.80 | 57:52:43.0[j] | 1048 | 4048 | | | | 12.5[j] | | | | | | | | | | | | | 0.94 | 1.07 | new coordinates, no star |
| 897 | 21:39:33.90 | 57:53:04.9[r] | 1049 | 4049 | | | | 13.8[j] | | | 9.599 (23) | 8.595 (21) | 8.364 (23)[r] | | | | -3.1 (4.8) | -2.5 (4.8) | 0.4 (7.8) | 9.5 (7.9) | -0.05 | 0.11 | |
| 898 | 21:39:31.41 | 57:53:30.1[r] | 1050 | 726 | | | | 11.1[j] | | | 10.248 (24) | 9.948 (30) | 9.855 (22)[r] | G2[q] | | | -29.8 (2) | -27.4 (2) | -31.5 (0.7) | -24.7 (0.9) | 2.75 | -1.88 | |
| 899 | 21:39:04.04 | 57:55:04.9[r] | 1051 | 4051 | | | | 12.2[j] | | | 9.857 (22) | 9.252 (30) | 9.066 (20)[r] | | | | -0.7 (4.7) | 0.3 (4.7) | -3 (8.6) | 2.7 (8.6) | -0.39 | 0.83 | |
| 900 | 21:46:08 | 57:55:40.8[r] | 1052 | 4052 | | | | 12.9[j] | | | 9.883 (23) | 9.161 (27) | 8.944 (20)[r] | | | | -8.3 (12.8) | -7.7 (12.8) | -4.4 (7.3) | -5 (7.3) | -0.19 | 0.06 | |
| 901 | 21:39:40.53 | 57:57:14.8[r] | 1053 | 4053 | | | | 13.6[j] | | | 11.067 (21) | 10.434 (28) | 10.078 (20)[r] | | | | -2.8 (3.8) | -2.4 (3.8) | -5.3 (7.3) | -2.1 (7.3) | -0.19 | -0.26 | |
| 902 | 21:39:33.70 | 57:59:38.8[r] | 1054 | 4054 | | | | 11.3[j] | | | 8.548 (29) | 7.782 (17) | 7.623 (17)[r] | | | | -0.7 (2.8) | -13.1 (2.8) | -5.3 (2.5) | -7.7 (1.1) | 0.04 | -0.39 | |
| 903 | 21:39:06.72 | 58:01:00.2[r] | 1055 | 4055 | | | | 13.7[j] | | | 10.055 (22) | 9.173 (28) | 8.896 (20)[r] | | | | -1.4 (4.7) | -5.7 (4.7) | -6.6 (7.5) | -4.4 (7.5) | -0.46 | 0.32 | |
| 904 | 21:39:19.32 | 58:01:02.1[r] | 1056 | 4056 | | | | 13.8[j] | | | 10.589 (22) | 9.871 (28) | 9.658 (23)[r] | | | | 1.9 (6) | 6.2 (6) | | | -0.02 | 0.26 | |
| 905 | 21:39:20.20 | 58:01:48.3[r] | 1057 | 723 | | | | 10.9[j] | | | 9.795 (22) | 9.567 (30) | 9.459 (20)[r] | A3[q] | | | -14.1 (2) | -9.6 (2) | -12.4 (1.4) | -9.3 (1.5) | 0.54 | -0.2 | |
| 906 | 21:39:40.59 | 57:59:55.3[r] | 1058 | 4058 | | | | 13.9[j] | | | 12.121 (24) | 11.815 (30) | 11.695 (22)[r] | | | | -1.7 (3.8) | -4 (3.8) | -2.5 (7.2) | -14.3 (7.3) | 0.07 | -0.26 | |
| 907 | 21:39:37.40 | 58:00:50.7[r] | 1059 | 4059 | | | | 13.3[j] | | | 9.403 (23) | 8.428 (65) | 8.137 (24)[r] | | | | -2.7 (4.7) | -4 (4.7) | -5.9 (8.4) | -9.4 (8.4) | -0.28 | 0.13 | |
| 908 | 21:40:02.95 | 57:56:16.2[r] | 1060 | 732 | | | | 11.4[j] | | | 10.043 (23) | 9.836 (28) | 9.663 (20)[r] | A0[q] | | | -7.2 (2.7) | -15.9 (2.7) | -5.9 (0.9) | -6.5 (2.5) | 0.07 | -0.07 | |
| 909 | 21:40:02.19 | 57:57:18.3[r] | 1061 | 731 | | | 11.7[f] | 11.3[e] | | | 9.363 (23) | 9.217 (27) | 9.070 (22)[r] | A1[e] | | 1.2[e] | -6.4 (1.7) | -9.9 (1.7) | -8 (0.8) | -6.8 (0.6) | 0.11 | -0.19 | |
| 910 | 21:39:52.58 | 58:00:40.0[r] | 1062 | 4062 | | | | 12.2[j] | | | 8.177 (20) | 7.288 (42) | 6.911 (18)[r] | | | | -3 (4.7) | -2.1 (4.7) | -9.7 (7.7) | -2.7 (7.8) | -0.09 | 0.12 | |
| 911 | 21:40:09.07 | 58:00:50.2[r] | 1063 | 735 | | | | 9.7[j] | | | 8.872 (23) | 8.796 (30) | 8.812 (22)[r] | B8[q] | | | 6 (1.6) | -1.8 (1.6) | -4.2 (0.7) | -4.5 (0.8) | -0.4 | 0.07 | |
| 912 | 21:39:45.40 | 58:03:33.4[r] | 1064 | 4064 | | | | 11[j] | | | 8.311 (26) | 7.591 (29) | 7.425 (20)[r] | | | | 0.9 (2.8) | -12.3 (2.8) | 1 (2.3) | -9.4 (1.5) | -0.6 | -0.28 | |
| 913 | 21:39:30.13 | 58:05:11.4[r] | 1065 | 4065 | | | | 13.6[j] | | | 11.594 (24) | 11.248 (31) | 11.114 (26)[r] | | | | -4.7 (3.8) | -1.6 (3.8) | -2.4 (7.2) | -8.8 (7.3) | 0.37 | -0.47 | |
| 914 | 21:39:32.25 | 58:05:52.6[r] | 1066 | 4066 | | | | 11.3[j] | | | 10.645 (26) | 10.410 (32) | 10.324 (22)[r] | | | | 2.5 (2.7) | 0.7 (2.7) | 1.1 (0.9) | 0.6 (0.8) | -0.53 | 0.37 | |
| 915 | 21:39:49.96 | 58:06:21.5[r] | 1068 | 4068 | | | | 11.2[j] | | | 10.477 (24) | 10.267 (31) | 10.207 (22)[r] | | | | -7.8 (2) | -5.1 (2) | -6.9 (0.6) | -6.3 (0.6) | 0.05 | -0.06 | |
| 916 | 21:40:21.07 | 58:02:10.9[r] | 1069 | 736 | | | | 11.3[j] | | | 10.390 (23) | 10.197 (28) | 10.135 (20)[r] | A3[q] | | | -13.8 (2.7) | -1.1 (2.7) | -7.8 (0.7) | -6.1 (0.6) | 0.22 | -0.19 | |
| 917 | 21:40:23.40 | 57:51:20.1[r] | 1070 | 4070 | | | | 12.3[j] | | | 11.091 (24) | 10.824 (28) | 10.729 (23)[r] | | | | -8.7 (3.8) | -0.3 (3.8) | -7 (1.3) | -4.3 (1.8) | 0.13 | 0.13 | |
| 918 | 21:40:57.73 | 57:49:26.4[r] | 1071 | 4071 | | | | 13.8[j] | | | 11.899 (24) | 11.536 (29) | 11.396 (26)[r] | | | | -13.3 (3.8) | -11.4 (3.8) | -3.5 (7.4) | -23.7 (7.4) | 1.13 | -0.77 | |
| 919 | 21:41:04.36 | 57:51:17.3[r] | 1072 | 4072 | | | | 12[j] | | | 7.510 (20) | 6.354 (49) | 6.003 (21)[r] | | | | -2.8 (4.9) | -4.2 (4.9) | -0.8 (6.6) | -1.1 (6.7) | -0.36 | 0.07 | |
| 920 | 21:41:30.03 | 57:48:13.7[r] | 1073 | 4073 | | | | 13.4[j] | | | 12.026 (26) | 11.624 (30) | 11.556 (23)[r] | | | | -5.9 (13.5) | 5.5 (13.5) | -7 (7.4) | 6.1 (7.4) | -0.06 | 1.51 | |
| 921 | 21:41:30.13 | 57:49:31.9[r] | 1074 | 4074 | | | | 12.2[j] | | | 11.293 (26) | 11.035 (28) | 10.965 (19)[r] | | | | -20.3 (3.8) | -5.9 (3.8) | -14.9 (1.4) | -4.6 (1.3) | 1.21 | -0.5 | |
| 922 | 21:40:58.71 | 57:52:22.8[j] | 1075 | 4075 | | | | 12.3[j] | | | | | | | | | | | | | | | no star |
| 923 | 21:41:38.48 | 57:50:40.8[r] | 1076 | 4076 | | | | 13.3[j] | | | 10.588 (27) | 9.864 (28) | 9.693 (21)[r] | | | | -2.4 (4.7) | -1.8 (4.7) | 5.8 (7.5) | 1 (7.5) | 0.06 | 0.37 | |
| 924 | 21:40:51.27 | 57:56:30.3[r] | 1077 | 4077 | | | | 12.8[j] | | | 11.409 (32) | 10.973 (32) | 10.899 (23)[r] | | | | -0.2 (3.8) | -6.5 (3.8) | 15.5 (7.8) | -13 (7.8) | -0.28 | -0.62 | |
| 925 | 21:41:19.81 | 57:54:54.5[r] | 1078 | 4078 | | | | 13.2[j] | | | 11.917 (27) | 11.630 (32) | 11.537 (21)[r] | | | | -5.7 (3.8) | 4.2 (3.8) | -4 (7.3) | -2.1 (7.4) | -0.25 | 0.62 | |
| 926 | 21:41:39.84 | 57:54:22.6[r] | 1079 | 4079 | | | | 12.1[j] | | | 13.697 (32) | 13.228 (40) | 13.075 (37)[r] | | | | -3.8 (3.8) | -2.6 (3.8) | -1.3 (7.3) | -5.1 (7.5) | | | new coordinates |
| 927 | 21:41:36.16 | 57:54:31.9[r] | 1080 | 4080 | | | | 12.9[j] | | | 12.867 (27) | 12.538 (33) | 12.351 (28)[r] | | | | -8.1 (3.8) | -10.5 (3.8) | -4.2 (7.2) | -10.1 (7.3) | | | new coordinates |
| 928 | 21:41:38.70 | 57:55:26.3[r] | 1081 | 4081 | | | | 12[j] | | | 11.065 (27) | 10.832 (31) | 10.714 (21)[r] | | | | -4.2 (3.8) | 3.9 (3.8) | 1.3 (0.5) | 7.2 (2.6) | -0.5 | 0.81 | |
| 929 | 21:40:57.21 | 58:01:04.9[r] | 1082 | 742 | | | | 10.8[j] | | | 10.089 (24) | 9.848 (32) | 9.863 (23)[r] | F2[q] | | | 9.9 (1.7) | -1.9 (1.7) | 3 (1.7) | -3.1 (0.7) | -0.67 | 0.2 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 930 | 21:41:15.31 | 58:00:42.3[r] | 1083 | 4083 | | | | 13.3[j] | | | 11.025 (25) | 10.446 (29) | 10.238 (19)[r] | | | | -6 (3.8) | -25.6 (3.8) | -9.8 (8.3) | -100.6 (8.3) | 0.03 | 0.02 | |
| 931 | 21:41:02.14 | 58:01:52.4[r] | 1084 | 4084 | | | | 12.7[j] | | | 11.558 (24) | 11.333 (30) | 11.182 (23)[r] | | | | -5.2 (3.8) | 1.1 (3.8) | -7.6 (0.8) | -2.3 (1.8) | -0.07 | -0.02 | |
| 932 | 21:41:01.33 | 58:04:49.5[r] | 1085 | 4085 | | | | 12.8[j] | | | 11.195 (21) | 10.846 (31) | 10.723 (22)[r] | | | | -3.3 (11.2) | -6.5 (11.2) | -25 (7.2) | -1 (7.2) | -0.09 | 0.09 | |
| 933 | 21:41:21.70 | 58:03:41.2[r] | 1086 | 4086 | | | | 13.4[j] | | | 11.955 (29) | 11.700 (32) | 11.564 (23)[r] | | | | -14.3 (3.8) | -5.6 (3.8) | -15.9 (7.3) | -11.5 (7.3) | 0.55 | -0.37 | |
| 934 | 21:41:24.75 | 58:03:26.9[r] | 1087 | 4087 | | | | 13.8[j] | | | 11.178 (27) | 10.536 (32) | 10.332 (12)[r] | | | | -4.8 (3.8) | -20.9 (3.8) | -16.4 (7.5) | -67.2 (7.5) | -0.29 | -0.07 | |
| 935 | 21:41:49.90 | 58:02:21.0[r] | 1088 | 4088 | | | | 14.1[j] | | | 12.504 (32) | 12.300 (30) | 12.156 (23)[r] | | | | 2.1 (3.8) | -24 (3.8) | | | -0.18 | 0.1 | |
| 936 | 21:41:28.83 | 58:04:57.9[r] | 1090 | 4090 | | | | 12.1[j] | | | 9.739 (27) | 9.056 (32) | 8.863 (21)[r] | | | | -2 (4.7) | -6.6 (4.7) | -0.7 (7.6) | -24.7 (7.6) | -0.36 | 0.32 | |
| 937 | 21:41:53.28 | 57:51:35.9[r] | 1091 | 747 | | | | 8.9[j] | | | 6.439 (32) | 5.853 (42) | 5.719 (18)[r] | gK0[q] | | | 14.9 (1.3) | 15.4 (1.3) | 15.4 (0.8) | 16.1 (0.8) | -2.17 | 1.81 | |
| 938 | 21:42:02.38 | 57:51:18.0[r] | 1092 | 4092 | | | | 13.6[j] | | | 10.752 (24) | 10.067 (32) | 9.904 (21)[r] | | | | -16.4 (4.7) | 2.7 (4.7) | -21 (7.4) | -3.6 (7.4) | 0.77 | 0.39 | |
| 939 | 21:42:07.91 | 57:50:22.2[r] | 1093 | 4093 | | | | 11.5[j] | | | 10.219 (24) | 9.821 (30) | 9.740 (21)[r] | | | | -4.4 (2.7) | -5.5 (2.7) | -4.6 (1.8) | -4.2 (1.5) | -0.02 | -0.22 | |
| 940 | 21:42:12.52 | 57:47:34.2[r] | 1094 | 4094 | | | | 11.3[j] | | | 10.429 (24) | 10.085 (32) | 10.007 (21)[r] | | | | -9.1 (2.7) | -1.2 (2.7) | -5.2 (0.7) | 3.9 (1.7) | 0.3 | 0.66 | |
| 941 | 21:42:27.62 | 57:48:45.0[r] | 1095 | 4095 | | | | 14.2[j] | | | 12.506 (24) | 12.159 (31) | 12.071 (23)[r] | | | | -5.2 (3.8) | -7.6 (3.8) | -8.4 (7.9) | -10.4 (8) | 0.42 | -0.6 | |
| 942 | 21:42:27.81 | 57:49:37.7[r] | 1096 | 4096 | | | | 13.6[j] | | | 12.201 (26) | 11.972 (31) | 11.870 (24)[r] | | | | -21.2 (3.9) | -6.3 (3.9) | -13 (7.8) | -41.2 (7.8) | 0.63 | -0.25 | |
| 943 | 21:42:21.45 | 57:49:52.5[r] | 1097 | 749 | | | | 10.4[j] | | | 9.600 (24) | 9.430 (31) | 9.347 (21)[r] | A3[q] | | | -10 (2) | -12.9 (2) | -6.3 (0.9) | -15.3 (0.7) | 0.5 | -1 | |
| 944 | 21:42:29.11 | 57:50:50.2[r] | 1098 | 751 | | 9.97[l] | 10.15[l] | 10[l] | | | 9.580 (24) | 9.574 (30) | 9.551 (21)[r] | B8[q] | | | -5.7 (2) | -5.8 (2) | -5.7 (0.6) | -4.7 (0.7) | 0.15 | 0 | |
| 945 | 21:41:59.48 | 57:53:55.2[r] | 1099 | 4099 | | | | 13.5[j] | | | 12.234 () | 12.146 () | 12.019 ()[r] | | | | -8.7 (3.8) | -3 (3.8) | -23.5 (7.8) | -12.8 (7.8) | -0.01 | -0.07 | |
| 946 | 21:42:20.17 | 57:53:06.7[r] | 1100 | 4100 | | | | 13.7[j] | | | 11.832 (29) | 11.506 (31) | 11.355 (24)[r] | | | | -6.2 (3.8) | -5.2 (3.8) | -12.2 (7.4) | -10.5 (7.4) | 0.2 | -0.26 | |
| 947 | 21:42:27.91 | 57:53:12.6[r] | 1101 | 4101 | | | | 13.7[j] | | | 12.094 (27) | 11.773 (31) | 11.693 (23)[r] | | | | -25.4 (18.5) | -9.6 (18.5) | -11.3 (7) | -22 (7) | 0.05 | 0.11 | |
| 948 | 21:42:32.01 | 57:53:56.8[r] | 1102 | 4102 | | | | 12.3[j] | | | 11.345 (24) | 11.052 (31) | 10.996 (21)[r] | | | | -14.8 (3.8) | -5.2 (3.8) | -9.1 (7.2) | -7.1 (4.6) | 0.51 | -0.19 | |
| 949 | 21:41:44.06 | 57:55:56.3[r] | 1103 | 4103 | | | | 13.6[j] | | | 10.530 (27) | 9.796 (30) | 9.564 (21)[r] | | | | 4.1 (4.7) | -0.6 (4.7) | -1.5 (7.2) | -15.1 (7.2) | -0.32 | 0.02 | |
| 950 | 21:42:09.72 | 57:57:17.1[r] | 1104 | 4104 | | | | 13.1[j] | | | 10.680 (26) | 10.021 (30) | 9.846 (21)[r] | | | | -13.4 (4.7) | -7 (4.7) | -11.1 (7.7) | -11.7 (7.7) | 0.49 | -0.33 | |
| 951 | 21:42:32.16 | 57:56:32.9[r] | 1105 | 4105 | | | | 12.4[j] | | | 9.084 (21) | 8.140 (38) | 7.874 (18)[r] | | | | -9.1 (4.7) | 0.5 (4.7) | 2.3 (7.1) | -8.2 (7.2) | 0.09 | 0.11 | |
| 952 | 21:42:37.73 | 57:56:52.8[r] | 1106 | 4106 | | | | 12.5[j] | | | 11.863 (26) | 11.685 (31) | 11.645 (19)[r] | | | | -3.5 (3.8) | 1.6 (3.8) | -8.9 (3.2) | -3.7 (2.1) | 0.19 | -0.13 | |
| 953 | 21:42:52.48 | 57:56:00.1[r] | 1107 | 4107 | | | | 12.8[j] | | | 11.479 (29) | 11.177 (32) | 11.034 (23)[r] | | | | 202 (7.4) | -43.3 (7.4) | -7.3 (3.8) | -9.9 (5) | 0.47 | .044 | |
| 954 | 21:41:48.34 | 57:58:41.4[r] | 1108 | 4108 | | | | 13.6[j] | | | 11.023 (29) | 10.338 (31) | 10.149 (21)[r] | | | | 12.5 (3.8) | 5.7 (3.8) | 14.1 (7.3) | 11.6 (7.3) | -1.79 | 0.52 | |
| 955 | 21:41:53.26 | 58:00:15.1[r] | 1109 | 4109 | | | | 13.8[j] | | | 12.167 (30) | 11.814 (30) | 11.704 (23)[r] | | | | -12.4 (3.8) | -34.6 (3.8) | | | 0.88 | -0.79 | |
| 956 | 21:42:17.73 | 57:59:06.5[r] | 1110 | 748 | | | | 10.1[j] | | | 9.141 (32) | 8.869 (31) | 8.833 (19)[r] | F8[q] | | | -33.5 (1.3) | -37 (1.4) | -33.6 (0.8) | -36.4 (0.6) | 3.22 | -2.86 | |
| 957 | 21:42:15.09 | 58:00:03.7[r] | 1111 | 4111 | | | | 13.5[j] | | | 12.080 (24) | 11.719 (29) | 11.658 (23)[r] | | | | -44 (3.8) | 2.9 (3.8) | -38.8 (7.3) | -11.1 (7.3) | 3.37 | 0.33 | |
| 958 | 21:42:37.82 | 57:59:08.0[r] | 1112 | 4112 | | | | 12.3[j] | | | 11.160 (26) | 10.796 (29) | 10.684 (21)[r] | | | | -10 (3.8) | -15.9 (3.8) | -3.3 (1.9) | -20.3 (2.5) | 0.15 | -1.3 | |
| 959 | 21:42:32.99 | 57:59:24.5[r] | 1113 | 4113 | | | | 12.9[j] | | | 10.068 (26) | 9.279 (31) | 9.070 (19)[r] | | | | -15 (4.7) | 2.1 (4.7) | 5.4 (7.3) | -5.8 (7.3) | 0.4 | 0.37 | |
| 960 | 21:42:07.06 | 58:00:53.7[r] | 1114 | 4114 | | | | 12.9[j] | | | 11.560 (27) | 11.330 (30) | 11.168 (23)[r] | | | | -6.6 (3.8) | -7.2 (3.8) | -11.7 (7.2) | -27 (7.2) | -0.34 | 0.09 | |
| 961 | 21:41:47.35 | 58:07:20.2[r] | 1115 | 4115 | | | | 12.1[j] | | | 9.668 (29) | 8.924 (31) | 8.722 (19)[r] | | | | -17.7 (4.7) | -4 (4.7) | -17.9 (7.3) | -10.9 (7.3) | 0.6 | 0.22 | |
| 962 | 21:42:00.21 | 58:06:18.3[r] | 1116 | 4116 | | | | 13.5[j] | | | 11.796 (27) | 11.471 (31) | 11.361 (21)[r] | | | | -12.2 (3.8) | -15.2 (3.8) | -17.9 (7.6) | -19.5 (7.6) | 0.86 | -0.69 | |
| 963 | 21:42:16.60 | 58:06:58.7[r] | 1117 | 4117 | | | | 13.3[j] | | | 11.703 (27) | 11.446 (31) | 11.304 (21)[r] | | | | -4.8 (3.8) | 5.4 (3.8) | 3.9 (7.1) | -3.5 (7.2) | -0.49 | 0.58 | |
| 964 | 21:42:55.39 | 57:51:28.9[r] | 1118 | 4118 | | | | 13.1[j] | | | 10.848 (25) | 10.463 (30) | 10.429 (23)[r] | | | | -0.4 (3.8) | -0.2 (3.8) | 0.1 (0.7) | -2.5 (0.9) | -0.78 | -0.11 | |
| 965 | 21:42:48.36 | 57:47:34.0[r] | 1119 | 4119 | | | | 12.7[j] | | | 10.262 (27) | 9.559 (29) | 9.376 (21)[r] | | | | -8.3 (4.7) | 4.7 (4.7) | 14.4 (7) | -14.2 (7) | 0.22 | -0.11 | |
| 966 | 21:42:53.68 | 57:48:46.6[r] | 1120 | 4120 | | | | 13.7[j] | | | 10.494 (25) | 9.823 (30) | 9.621 (21)[r] | | | | -20.2 (11.6) | 7 (11.6) | 5.9 (7.4) | -5.6 (7.5) | -0.61 | 0.21 | |
| 967 | 21:43:10.00 | 57:59:55.9[r] | 1121 | 4121 | | | | 12.7[j] | | | 11.236 (25) | 10.925 (33) | 10.812 (21)[r] | | | | 2.5 (3.8) | 7.6 (3.8) | 3.3 (2.5) | 1.9 (0.6) | | | |
| 968 | 21:42:46.26 | 58:05:36.4[r] | 1122 | 4122 | | | | 13.3[j] | | | 10.273 (25) | 9.651 (36) | 9.398 (21)[r] | | | | -4.5 (4.7) | -13 (4.7) | -2.6 (7.5) | -14.1 (7.6) | | | |
| 969 | 21:37:44.06 | 57:46:15.0[j] | 1150 | 4150 | | | | 13.4[j] | | | | | | | | | | | | | | | no star |
| 970 | 21:36:37.03 | 57:46:15.6[r] | 1151 | 4151 | | | | 13.9[j] | | | 11.919 (24) | 11.638 (31) | 11.461 (25)[r] | | | | -5.8 (4) | 4.3 (4) | -7.3 (7.4) | 4.4 (7.5) | 0.35 | -0.58 | |
| 971 | 21:36:19.20 | 57:45:54.0[r] | 1152 | 4152 | | | | 11.2[j] | | | 10.210 (23) | 9.940 (29) | 9.856 (22)[r] | | | | 4.6 (2.7) | 30.5 (2.7) | 3.9 (0.7) | 22.1 (1.2) | -0.95 | 2.02 | |
| 972 | 21:36:07.71 | 57:39:44.4[r] | 1153 | 4153 | | | | 12.3[j] | | | 10.375 (24) | 9.825 (36) | 9.613 (23)[r] | | | | 44.4 (4.7) | 12.9 (4.7) | 31.1 (7.5) | -5.5 (7.5) | -4.84 | 0.38 | |
| 973 | 21:37:51.24 | 57:59:28.1[r] | 1154 | 713 | | | | 10.8[j] | | | 9.567 (26) | 9.179 (31) | 9.144 (19)[r] | dK0[q] | | | 14 (1.7) | -25.4 (1.7) | 12.4 (0.6) | -21.1 (1.4) | -1.47 | -2.15 | |
| 974 | 21:34:51.92 | 57:30:52.2[r] | 1155 | 4155 | | | | 13.6[j] | | | 11.997 (24) | 11.728 (29) | 11.608 (23)[r] | | | | -4.4 (3.8) | -2 (3.8) | -16.1 (7.5) | 6.4 (7.5) | -0.52 | 0.44 | |
| 975 | 21:35:09.46 | 57:31:04.0[r] | 1156 | 4156 | | | | 12.7[j] | | | 11.532 (21) | 11.249 (29) | 11.155 (20)[r] | | | | -14.9 (3.8) | -12.3 (3.8) | -19.8 (7.2) | -24.4 (7.1) | -0.04 | -0.6 | |
| 976 | 21:35:11.35 | 57:31:34.7[r] | 1157 | 4157 | | | | 13.6[j] | | | 12.172 (22) | 11.817 (25) | 11.774 (23)[r] | | | | -15.5 (3.8) | -9.2 (3.8) | -18 (7.4) | -12.9 (7.5) | 1.1 | -1.01 | |
| 977 | 21:35:24.28 | 57:31:28.1[r] | 1158 | 425 | | | | 10.1[j] | | | 9.796 (23) | 9.584 (28) | 9.504 (21)[r] | A0[q] | | | 2.8 (1.6) | 3.1 (1.6) | -2.8 (1.2) | -3.4 (0.9) | -0.27 | -0.32 | |
| 978 | 21:35:24.28 | 57:32:15.0[r] | 1159 | 4159 | | | | 11.6[j] | | | 10.477 (23) | 10.256 (28) | 10.162 (23)[r] | | | | -5.7 (3.8) | -4 (3.8) | -6.1 (1.5) | -7.1 (1.2) | 0.3 | -0.54 | |
| 979 | 21:35:38.01 | 57:33:02.6[r] | 1160 | 4160 | | | | 14[j] | | | 10.225 (23) | 9.319 (27) | 9.077 (21)[r] | | | | -3.6 (4.9) | -3.9 (4.9) | -4 (7.3) | 15 (7.3) | 0.05 | 0 | |
| 980 | 21:35:41.74 | 57:32:52.5[r] | 1161 | 4161 | | | | 13.3[j] | | | 11.492 (25) | 11.182 (32) | 11.067 (25)[r] | | | | -18.6 (4) | -32.2 (4) | | | 0.14 | -0.32 | new coordinates[z] |

[z] in finding chart [j] wrong? (1611 → 1161)

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ PPMXL | $\mu_\alpha$ UCAC3 | $\mu_\delta$ UCAC3 | $\mu_\alpha$ MVA [j] | $\mu_\delta$ MVA [j] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 981 | 21:35:59.08 | 57:33:03.7[r] | 1162 | 4162 | | | | 13.7[j] | | | 11.835 (23) | 11.459 (28) | 11.331 (24)[r] | | | -9.6 (4) | 16 (4) | 10.2 (6.7) | 21.5 (6.7) | 0.26 | 1.61 | |
| 982 | 21:36:02.37 | 57:33:37.1[r] | 1163 | 4163 | | | | 14.3[j] | | | 11.765 () | 11.343 () | 11.193 ()[r] | | | -6 (4) | 7.4 (4) | -10.3 (6.8) | 48 (6.9) | 0.05 | 0.13 | |
| 983 | 21:35:15.59 | 57:33:56.2[r] | 1164 | 4164 | | | | 14.2[j] | | | 12.018 () | 11.459 () | 11.385 (32)[r] | | | 36.4 (10) | 31.9 (10) | 46.7 (8.6) | 20.6 (9.9) | -2.91 | 1.11 | |
| 984 | 21:35:22.68 | 57:34:04.4[r] | 1165 | 4165 | | | | 14.4[j] | | | 10.579 (22) | 9.655 (28) | 9.394 (22)[r] | | | -1.1 (4.7) | -3 (4.7) | -8.1 (7.4) | -6.2 (7.4) | 0.14 | 0.09 | new coordinates |
| 985 | 21:35:06.97 | 57:35:03.8[r] | 1166 | 424 | | | | 11.7[j] | | | 10.188 (21) | 9.872 (29) | 9.579 (21)[r] | | | -5.6 (10) | 22.3 (10) | -3.8 (2) | 0.2 (3.7) | -0.03 | -0.05 | |
| 986 | 21:35:47.29 | 57:34:51.9[r] | 1167 | 4167 | | | | 13.5[j] | | | 10.561 (24) | 9.850 (29) | 9.663 (21)[r] | | | -8.2 (4.9) | -6.6 (4.9) | -6 (6.8) | -0.7 (6.8) | 0.44 | -0.53 | |
| 987 | 21:35:41.92 | 57:35:15.9[r] | 1168 | 4168 | | | | 12[j] | | | 10.785 (25) | 10.588 (27) | 10.497 (21)[r] | | | -5.9 (4) | 2.6 (4) | -2.8 (0.6) | -0.7 (1.1) | 0.06 | -0.12 | |
| 988 | 21:35:37.79 | 57:35:49.5[r] | 1169 | 4169 | | | | 12.8[j] | | | 9.449 (23) | 8.603 (27) | 8.328 (24)[r] | | | -3.5 (4.9) | -3.5 (4.9) | -2.9 (7.3) | 5.9 (7.3) | 0.23 | -0.12 | |
| 989 | 21:35:39.39 | 57:36:29.3[r] | 1170 | 4170 | | | | 12.7[j] | | | 9.690 (23) | 8.958 (28) | 8.738 (21)[r] | | | -4.9 (4.7) | -0.5 (4.7) | -0.5 (7.3) | 5.5 (7.3) | 0.62 | ;0.07 | |
| 990 | 21:35:53.49 | 57:35:16.7[r] | 1171 | 4171 | | | | 12.6[j] | | | 11.240 (25) | 10.942 (27) | 10.863 (24)[r] | | | -7.9 (3.8) | -3.4 (3.8) | 3.6 (7) | -4.7 (7) | 0.68 | -0.45 | |
| 991 | 21:36:02.14 | 57:34:57.8[r] | 1172 | 4172 | | | | 11.9[j] | | | 9.054 (23) | 8.431 (27) | 8.202 (23)[r] | | | -4.5 (4.7) | -3.6 (4.7) | -5.1 (7.9) | 12.7 (7.9) | 0.02 | -0.33 | |
| 992 | 21:35:19.16 | 57:36:38.3[r] | 1173 | 4173 | | | | 13[j] | | | 11.665 (24) | 10.973 (28) | 10.224 (20)[r] | | | -6.7 (3.8) | 2.9 (3.8) | -4.4 (6.9) | 5.4 (6.9) | 0.27 | -0.38 | |
| 993 | 21:35:54.81 | 57:37:52.8[r] | 1174 | 4174 | | | | 12.4[j] | | | 11.550 (25) | 11.426 (33) | 11.368 (25)[r] | | | 0.1 (4) | 7.9 (4) | -4 (0.7) | -1.2 (0.7) | 0.14 | -0.19 | |
| 994 | 21:35:48.69 | 57:39:31.9[r] | 1175 | 4175 | | | | 14.2[j] | | | 12.298 (24) | 11.953 (29) | 11.840 (24)[r] | | | 1.2 (4) | -10.5 (4) | 7.5 (7.4) | -9.3 (7.4) | -0.3 | -1.32 | |
| 995 | 21:35:54.57 | 57:40:24.2[r] | 1176 | 4176 | | | | 12.6[j] | | | 11.032 (24) | 10.647 (29) | 10.558 (21)[r] | | | -0.5 (3.8) | 5.9 (3.8) | -2.9 (1.3) | -0.9 (1.1) | -0.39 | 0.07 | |
| 996 | 21:35:18.53 | 57:40:18.2[r] | 1177 | 4177 | | | | 13.4[j] | | | 11.657 (26) | 11.270 (29) | 11.175 (20)[r] | | | 6.4 (3.8) | 10.3 (3.8) | 4 (7.3) | 3.7 (7.3) | -0.85 | 0.52 | |
| 997 | 21:35:12.10 | 57:41:00.2[r] | 1178 | 4178 | | | | 12.8[j] | | | 11.622 (28) | 11.245 (31) | 11.152 (23)[r] | | | 35.6 (3.8) | 30.9 (3.8) | 48.5 (4.7) | 30.8 (1.7) | -5.23 | 2.35 | |
| 998 | 21:36:02.13 | 57:41:36.2[r] | 1179 | 4179 | | | | 14.7[j] | | | 12.361 (22) | 11.908 (29) | 11.803 (24)[r] | | | 12.8 (4) | 5.7 (4) | 27.6 (7.4) | 6.6 (7.4) | -1.56 | 1.33 | |
| 999 | 21:35:53.94 | 57:42:47.5[r] | 1180 | 5058 | | 15.77[f] | 14.61[e] | | | | 12.664 (24) | 12.300 (29) | 12.180 (21)[r] | F6[e] | 2.2[e] | 11.8 (4) | 1.9 (4) | 8 (7.3) | -3.5 (7.5) | | | |
| 1000 | 21:35:40.62 | 57:42:49.8[r] | 1181 | 4181 | | | | 14.5[j] | | | 12.518 (24) | 12.164 (31) | 12.051 (28)[r] | | | 9.7 (5.1) | 2.9 (5.1) | 5.2 (5) | -8.5 (5) | -0.07 | -2.8 | |
| 1001 | 21:35:32.35 | 57:43:31.4[r] | 1182 | 4182 | | | | 14.5[j] | | | 12.691 (22) | 12.249 (32) | 12.152 (24)[r] | | | -14.3 (5.6) | -32 (5.6) | -24.2 (7.4) | -29.4 (7.4) | 1.71 | -2.62 | |
| 1002 | 21:35:22.33 | 57:43:52.3[r] | 1183 | 703 | | | | 12.5[j] | | | 11.195 (22) | 10.936 (28) | 10.831 (21)[r] | B8[q] | | -8.8 (10) | 7.8 (10) | 2 (7.2) | 2.7 (7.3) | -0.04 | 0.17 | |
| 1003 | 21:35:13.68 | 57:44:36.6[r] | 1184 | 4184 | | | | 14.3[j] | | | 12.663 (26) | 12.288 (31) | 12.165 (24)[r] | | | -15.9 (3.8) | -23 (3.8) | -5.9 (7.5) | -25.5 (7.6) | | | |
| 1004 | 21:35:05.91 | 57:44:24.0[r] | 1185 | 4185 | | | | 10.3[j] | | | 9.140 (34) | 9.062 (29) | 8.926 (21)[r] | | | -0.9 (2) | 5.3 (2) | -3.8 (0.7) | -3.8 (0.7) | 0.23 | -0.79 | |
| 1005 | 21:35:11.37 | 57:46:08.1[r] | 1186 | 4186 | | | | 12.1[j] | | | 11.192 (43) | 11.045 (33) | 10.948 (24)[r] | | | -5.1 (3.8) | 11 (3.8) | 0.1 (1.4) | -1.4 (9.4) | -0.31 | -0.65 | 2x[r] |
| 1006 | 21:35:11.76 | 57:46:06.1[r] | 1186 | 4186 | | | | 12.1[j] | | | 12.306 (32) | 11.108 (76) | 10.667 (44)[r] | | | | | 0.1 (1.4) | -1.4 (9.4) | -0.31 | -0.65 | 2x[r] |
| 1007 | 21:36:02.73 | 57:45:33.7[r] | 1188 | 705 | | | | 10.7[j] | | | 7.858 (20) | 7.159 (31) | 6.979 (18)[r] | G8[q] | | -1.1 (12) | -20.4 (12) | 6.5 (1.5) | -11.6 (1.3) | -0.95 | -1.8 | |
| 1008 | 21:36:25.06 | 57:46:42.0[r] | 1189 | 4189 | | | | 14.3[j] | | | 11.724 (26) | 11.208 (31) | 11.085 (23)[r] | | | 7.4 (3.8) | 19.4 (3.8) | 30.9 (7.3) | 39.8 (7.4) | | | |
| 1009 | 21:35:47.86 | 57:47:43.0[r] | 1190 | 4190 | | | | 14.5[j] | | | 12.306 (24) | 11.884 (29) | 11.750 (21)[r] | | | 1.6 (4) | -6.6 (4) | -0.1 (7.5) | -10.5 (7.4) | | | |
| 1010 | 21:35:52.37 | 57:52:03.8[r] | 1191 | 704 | | | | 11.1[j] | | | 9.930 (23) | 9.573 (28) | 9.499 (21)[r] | G5[q] | | 0.3 (13.3) | 52.4 (13.3) | -10.3 (1.4) | 41.1 (1.4) | 0.53 | 4.04 | |
| 1011 | 21:34:58.38 | 57:54:36.3[r] | 1192 | 4192 | | | | 12.2[j] | | | 11.108 (23) | 10.962 (28) | 10.867 (27)[r] | | | -0.4 (3.8) | -6.8 (3.8) | 1.9 (1.5) | 1.9 (4.2) | -0.63 | -0.4 | |
| 1012 | 21:34:56.10 | 57:54:52.5[r] | 1193 | 4193 | | | | 14.1[j] | | | 12.045 (29) | 11.692 (28) | 11.572 (27)[r] | | | 10.7 (3.8) | -5.3 (3.8) | 1.3 (7.7) | -26 (7.7) | | | |
| 1013 | 21:34:58.50 | 57:54:51.0[r] | 1194 | 4194 | | | | 12.2[j] | | | 11.186 (23) | 11.040 (26) | 10.927 (25)[r] | | | -2.4 (3.8) | 1.7 (3.8) | -2.3 (0.9) | -6.3 (2.3) | 0.09 | -0.99 | |
| 1014 | 21:34:49.32 | 57:55:47.6[r] | 1195 | 4195 | | | | 14.4[j] | | | 12.342 (25) | 12.047 (32) | 11.914 (27)[r] | | | 10.7 (3.8) | 1.6 (3.8) | 4.5 (7.3) | -3.2 (7.4) | | | |
| 1015 | 21:35:17.14 | 57:56:22.9[r] | 1196 | 4196 | | | | 14.5[j] | | | 12.484 (26) | 11.953 (31) | 11.808 (28)[r] | | | 43.4 (3.8) | 53 (3.8) | 33.3 (8) | 51 (8) | | | |
| 1016 | 21:35:27.65 | 57:57:16.5[r] | 1197 | 4197 | | | | 13.1[j] | | | 11.713 (23) | 11.508 (27) | 11.439 (23)[r] | | | 1.7 (13.3) | 11.9 (13.3) | 13.3 (7.2) | 0.9 (7.3) | 0.16 | -0.9 | |
| 1017 | 21:35:48.42 | 57:55:16.7[r] | 1198 | 4198 | | | | 13.8[j] | | | 10.593 (23) | 9.844 (26) | 9.625 (21)[r] | | | 5.5 (4.7) | 6 (4.7) | 7.8 (7.2) | 2.9 (7.3) | -0.95 | 0.5 | |
| 1018 | 21:35:02.52 | 57:59:30.5[r] | 1199 | 4199 | | | | 13.4[j] | | | 11.758 (23) | 11.333 (28) | 11.200 (26)[r] | | | -7.7 (3.8) | -8.8 (3.8) | -21.6 (7.2) | -4.2 (7.2) | 1.17 | -1.01 | |
| 1019 | 21:35:07.13 | 58:03:56.6[r] | 1200 | 4200 | | | | 13.7[j] | | | 11.891 (23) | 11.556 (28) | 11.458 (25)[r] | | | -1.9 (3.8) | -5.3 (3.8) | 1 (7.3) | -9.2 (7.3) | -0.2 | -0.02 | |
| 1020 | 21:35:13.98 | 58:03:59.4[r] | 1201 | 4201 | | | | 12.7[j] | | | 11.545 (25) | 11.269 (30) | 11.213 (26)[r] | | | -11.5 (3.8) | 0.3 (3.8) | -8.6 (11.2) | -1.1 (2.8) | 0.03 | -0.14 | |
| 1021 | 21:36:30.00 | 57:49:46.3[r] | 1202 | 4202 | | | | 14.4[j] | | | 10.883 (24) | 10.101 (29) | 9.866 (22)[r] | | | 1.6 (4.9) | -4.1 (4.9) | -3.2 (7.4) | -2.2 (7.4) | | | |
| 1022 | 21:36:09.98 | 57:52:35.8[r] | 1203 | 4203 | | | | 14.4[j] | | | 10.641 (22) | 9.731 (28) | 9.462 (21)[r] | | | -3.1 (4.7) | 0.5 (4.7) | 6.6 (7.3) | -5.4 (7.3) | | | |
| 1023 | 21:36:07.65 | 57:53:11.1[r] | 1204 | 4204 | | | | 13.1[j] | | | 11.532 (22) | 11.187 (28) | 11.085 (21)[r] | | | -0.4 (3.8) | -1.2 (3.8) | 3.5 (7.3) | -2.3 (7.3) | -0.34 | -0.52 | |
| 1024 | 21:36:18.56 | 57:52:45.8[r] | 1205 | 4205 | | | | 14.6[j] | | | 12.760 (35) | 12.425 (41) | 12.289 (35)[r] | | | 18.9 (5.2) | -27.2 (5.2) | -34.5 (7.5) | 57.4 (7.5) | | | |
| 1025 | 21:36:20.53 | 57:54:22.1[r] | 1206 | 4206 | | | | 13.7[j] | | | 12.308 (26) | 12.110 (29) | 11.980 (25)[r] | | | -6.7 (3.8) | -5.3 (3.8) | 0.6 (7.5) | -13.4 (7.5) | 0.09 | -0.71 | new coordinates |
| 1026 | 21:36:02.30 | 57:55:01.3[r] | 1207 | 4207 | | | | 14.6[j] | | | 12.720 (25) | 12.255 (30) | 12.127 (24)[r] | | | 11.6 (3.8) | -1.5 (3.8) | 3.2 (7.2) | -3.8 (7.2) | | | |
| 1027 | 21:36:36.41 | 57:53:11.2[r] | 1208 | 4208 | | | | 13.8[j] | | | 12.258 (26) | 11.998 (29) | 11.875 (28)[r] | | | -1.5 (3.8) | 0.3 (3.8) | -6.9 (7.4) | -0.5 (7.4) | 0.35 | -0.21 | |
| 1028 | 21:36:32.75 | 57:55:15.2[r] | 1209 | 5066 | | | | 14.5[j] | | | 10.612 (23) | 9.662 (29) | 9.421 (23)[r] | F1:[q] | | -3.5 (4.7) | -3.1 (4.7) | 1.4 (7.3) | -5.1 (7.3) | | | |
| 1029 | 21:36:32.97 | 57:56:10.2[r] | 1210 | 4210 | | | | 14.3[j] | | | 12.487 (24) | 12.138 (32) | 12.080 (26)[r] | | | -4.3 (3.8) | 2 (3.8) | -5.1 (7.3) | 3.9 (7.3) | 0.09 | -0.04 | |
| 1030 | 21:36:17.22 | 57:57:29.0[r] | 1211 | 4211 | | | | 12.3[j] | | | 11.010 (26) | 10.681 () | 10.591 ()[r] | | | 1.5 (3.8) | -3.6 (3.8) | -7.6 (7.1) | -8.6 (13.3) | 0.61 | -1.64 | |
| 1031 | 21:35:59.92 | 57:57:51.6[r] | 1212 | 4212 | | | | 13.4[j] | | | 10.470 (23) | 9.764 (27) | 9.563 (20)[r] | | | -2.3 (4.7) | -3.9 (4.7) | -17.1 (7.3) | -0.5 (7.4) | 0.02 | -0.21 | |
| 1032 | 21:36:15.61 | 58:00:14.4[r] | 1213 | 4213 | | | | 12.1[j] | | | 10.860 (24) | 10.702 (29) | 10.589 (22)[r] | | | -9.7 (3.8) | -8.7 (3.8) | -9 (1.7) | -4.8 (7.4) | 0.25 | -0.58 | |
| 1033 | 21:35:56.57 | 58:01:21.5[r] | 1214 | 4214 | | | | 12.4[j] | | | 11.707 (23) | 11.594 (28) | 11.539 (23)[r] | | | -5.5 (3.8) | -2.7 (3.8) | -2.8 (0.9) | 1.4 (2.3) | -0.06 | -0.45 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1034 | 21:36:09.13 | 58:01:36.5[r] | 1215 | 4215 | | | | 12.9[j] | | | 11.368(25) | 11.068(31) | 10.963(21)[r] | | | -4.9(3.8) | -5.9(3.8) | -3.4(7.3) | -10.7(7.4) | 0.03 | -0.47 | |
| 1035 | 21:36:17.96 | 58:01:49.8[r] | 1216 | 708 | | | | 11.9[j] | | | 10.643(23) | 10.346(29) | 10.264(22)[r] | F8:[q] | | 5.8(13.3) | 26.4(13.3) | 2.6(1) | 7.6(1.4) | -0.61 | 0.7 | |
| 1036 | 21:36:13.19 | 58:03:42.2[r] | 1217 | 4217 | | | | 12.4[j] | | | 10.832(24) | 10.582(29) | 10.447(22)[r] | | | -4.7(3.8) | 0.2(3.8) | -4.4(0.6) | -2.2(2) | -0.18 | -0.1 | |
| 1037 | 21:37:02.86 | 57:47:00.3[r] | 1219 | 4219 | | | | 12.6[j] | | | 11.509(23) | 11.195(30) | 11.155(21)[r] | | | 4.8(3.8) | 27.8(3.8) | 13.1(0.5) | 24.3(0.7) | -1.82 | 1.75 | |
| 1038 | 21:37:30.53 | 57:48:13.8[r] | 1220 | 4220 | | | | 14.3[j] | | | 11.179(23) | 10.526(28) | 10.352(21)[r] | | | 25.3(3.8) | -0.7(3.8) | 24.3(7.4) | 5.5(7.5) | | | |
| 1039 | 21:37:32.26 | 57:48:48.5[r] | 1221 | 4221 | | | | 14.4[j] | | | 11.893(23) | 11.465(30) | 11.302(21)[r] | | | -8.4(3.9) | -1.2(3.9) | -5.2(7.4) | -5.6(7.4) | | | |
| 1040 | 21:36:55.90 | 57:49:36.4[r] | 1222 | 4222 | | | | 13.8[j] | | | 9.983(24) | 9.065(28) | 8.797(22)[r] | | | -9.1(4.9) | -5.7(4.9) | -9(7.3) | -7.2(7.3) | 0.21 | -0.77 | |
| 1041 | 21:37:19.99 | 57:50:30.6[r] | 1223 | 4223 | | | | 14.5[j] | | | 11.092(23) | 10.296(28) | 10.062(23)[r] | | | 1(3.8) | 1.2(3.8) | 9.2(7.4) | -0.5(7.5) | | | |
| 1042 | 21:37:45.79 | 57:51:29.2[r] | 1224 | 4224 | | | | 13.4[j] | | | 12.143(26) | 11.934(28) | 11.849(26)[r] | | | -2.3(3.8) | 0.3(3.8) | 7.2(7.4) | -8.3(7.4) | -0.31 | -0.56 | |
| 1043 | 21:37:50.35 | 57:52:18.8[r] | 1225 | 4225 | | | | 14[j] | | | 12.677(29) | 12.415(30) | 12.407(26)[r] | | | -1.3(3.8) | -3.6(3.8) | -5.6(7.8) | 2.1(7.8) | 0.01 | -0.28 | |
| 1044 | 21:37:09.54 | 57:53:09.5[r] | 1226 | 711 | | | | 11.5[j] | | | 10.678(25) | 10.527(32) | 10.430()[r] | A0[q] | | -17.8(2.7) | 0.8(2.7) | -5.9(0.9) | -1.3(0.8) | 0.12 | -0.22 | |
| 1045 | 21:36:37.69 | 57:55:36.5[r] | 1227 | 4227 | | | | 13.8[j] | | | 9.750(23) | 8.650(42) | 8.387(22)[r] | | | -0.3(4.7) | -1.9(4.7) | 43.2(7.3) | -3.5(7.4) | 0.25 | 0.1 | |
| 1046 | 21:36:51.21 | 57:56:45.4[r] | 1228 | 4228 | | | | 13.4[j] | | | 12.197(23) | 11.968(28) | 11.909(23)[r] | | | -0.9(3.8) | -6(3.8) | -1.6(7.3) | -6.2(7.3) | -0.16 | -0.6 | |
| 1047 | 21:37:15.16 | 57:54:47.4[r] | 1229 | 4229 | | | | 14.5[j] | | | 13.075(25) | 12.867(38) | 12.801(38)[r] | | | -3.2(3.8) | -0.7(3.8) | 2.8(7.3) | -3.7(7.3) | | | |
| 1048 | 21:37:18.61 | 57:54:42.9[r] | 1230 | 4230 | | | | 14.4[j] | | | 11.210(21) | 10.494(30) | 10.218(26)[r] | | | 3.4(3.8) | -12.9(3.8) | 12.9(7.7) | -24.1(7.8) | | | |
| 1049 | 21:37:29.86 | 57:55:49.2[r] | 1231 | 4231 | | | | 14.4[j] | | | 11.716(21) | 11.071(30) | 10.889(26)[r] | | | -15.9(3.8) | -8.4(3.8) | -18(7.9) | -11.1(7.3) | | | |
| 1050 | 21:37:47.40 | 57:55:21.8[r] | 1232 | 4232 | | | | 13.3[j] | | | 11.513(22) | 11.040(30) | 10.945(27)[r] | | | 17.2(3.8) | 29.5(3.8) | 18.6(6.9) | 37.5(6.9) | -2.01 | 2.56 | |
| 1051 | 21:37:09.69 | 57:57:19.2[r] | 1233 | 4233 | | | | 14.5[j] | | | 12.600(24) | 12.216(31) | 12.096(31)[r] | | | -2.7(3.8) | 1.5(3.8) | -6.6(7.3) | 2.3(7.2) | | | |
| 1052 | 21:37:15.08 | 57:57:34.5[r] | 1234 | 4234 | | | | 14.7[j] | | | 12.714(25) | 12.284(36) | 12.208(32)[r] | | | -1.7(3.8) | 1.5(3.8) | -6.8(8.1) | 0.6(8.8) | | | |
| 1053 | 21:37:16.54 | 57:58:21.3[r] | 1235 | 4235 | | | | 14.7[j] | | | 12.940(24) | 12.612(35) | 12.528(34)[r] | | | 1.9(3.8) | -0.4(3.8) | 0.7(7.2) | 3.4(7.5) | -0.55 | 0.31 | |
| 1054 | 21:37:24.92 | 57:58:48.3[r] | 1236 | 4236 | | | | 14.3[j] | | | 9.851(21) | 8.809(29) | 8.445(24)[r] | | | -5.8(4.7) | -5.3(4.7) | -29.4(7.1) | -21.8(7.2) | 0.44 | -0.46 | |
| 1055 | 21:37:30.92 | 57:57:39.2[r] | 1237 | 4237 | | | | 12.2[j] | | | 9.991(21) | 9.381(28) | 9.211(24)[r] | | | 14.2(4.7) | 0.8(4.7) | 61.9(7.1) | 15.8(7.2) | -1.48 | -0.5 | |
| 1056 | 21:37:41.39 | 57:57:28.7[r] | 1238 | 4238 | | | | 14.6[j] | | | 12.809(24) | 12.563(33) | 12.476(31)[r] | | | -4.2(3.8) | 1(3.8) | -10.1(7.2) | 3.3(7.2) | | | |
| 1057 | 21:37:47.32 | 57:57:39.1[r] | 1239 | 4239 | | | | 14.3[j] | | | 7.796(21) | 6.668(20) | 6.188(23)[r] | | | 2.1(4.7) | -4.7(4.7) | 7.1(7.2) | -0.9(7.3) | | | |
| 1058 | 21:37:27.27 | 57:59:05.7[r] | 1240 | 4240 | | | | 14.7[j] | | | 12.843(25) | 12.486(35) | 12.350(33)[r] | | | -4.1(3.8) | -7(3.8) | -25.2(8.2) | -24.9(8.1) | | | |
| 1059 | 21:37:32.59 | 57:59:47.1[r] | 1241 | 4241 | | | | 14.6[j] | | | 12.336(49) | 11.895(57) | 11.771(47)[r] | | | 0.4(7) | -0.2(7) | | | | | |
| 1060 | 21:37:44.25 | 57:59:40.1[r] | 1242 | 4242 | | | | 14.7[j] | | | 11.548(21) | 10.847(30) | 10.657(26)[r] | | | 0.9(3.8) | 1.3(3.8) | 10.8(7.8) | 12.9(7.9) | | | |
| 1061 | 21:36:38.81 | 57:58:47.9[r] | 1243 | 4243 | | | | 13.2[j] | | | 11.860(23) | 11.472(28) | 11.370(23)[r] | | | 1.7(3.8) | -6(3.8) | 2.3(7.2) | -4.4(7.3) | -0.72 | -1.17 | |
| 1062 | 21:36:32.67 | 58:02:15.8[r] | 1244 | 709 | | | | 10.4[j] | | | 9.707(23) | 9.628(28) | 9.603(23)[r] | A0[q] | | -4.6(2) | 7.9(2) | -0.2(0.7) | 1.4(1.1) | -0.68 | 0.14 | |
| 1063 | 21:36:48.87 | 58:02:36.5[r] | 1245 | 4245 | | | | 13.7[j] | | | 10.575(23) | 9.953(26) | 9.748(23)[r] | | | -2(4.7) | -9.2(4.7) | -18(7.2) | -21.4(7.3) | -0.04 | 0.14 | |
| 1064 | 21:36:56.99 | 58:01:57.6[r] | 1246 | 4246 | | | | 13[j] | | | 11.781(24) | 11.369(28) | 11.328(23)[r] | | | 6.5(3.8) | 3.9(3.8) | 3.1(7.3) | 1.6(7.4) | -1.03 | 0.53 | |
| 1065 | 21:37:09.59 | 58:02:50.2[r] | 1247 | 4247 | | | | 13[j] | | | 10.468(19) | 9.796(28) | 9.650(24)[r] | | | -7.8(4.7) | -7(4.7) | -40.2(8.3) | 12.1(8.3) | -0.13 | -0-30 | |
| 1066 | 21:37:26.83 | 58:01:09.9[r] | 1248 | 4248 | | | | 14[j] | | | 12.311(21) | 12.088(30) | 11.936(27)[r] | | | -1.6(3.8) | -0.7(3.8) | -2.9(7.9) | -8.9(7.9) | -0.12 | 0.11 | |
| 1067 | 21:37:12.68 | 58:04:20.8[r] | 1249 | 4249 | | | | 14.3[j] | | | 12.292(29) | 11.855(48) | 11.749(30)[r] | | | -3(3.8) | 5.1(3.8) | -17.9(7.3) | 40.4(7.4) | -0.8 | 0.19 | |
| 1068 | 21:37:22.91 | 58:04:38.9[r] | 1250 | 4250 | | | | 12.8[j] | | | 8.559(26) | 7.696(38) | 7.411(18)[r] | | | -1.5(4.7) | 4.7(4.7) | 11(8) | 74.7(8.1) | -0.69 | -0.06 | |
| 1069 | 21:34:18.55 | 57:11:11.4[r] | 1251 | 4251 | | | | 13.8[j] | | | 11.700(23) | 11.415(32) | 11.308(27)[r] | | | 22.7(4.1) | -14.2(4.1) | | | | | |
| 1070 | 21:34:17.01 | 57:12:46.8[r] | 1253 | 4253 | | | | 13.5[j] | | | 11.012(22) | 10.398(30) | 10.242(24)[r] | | | 52.3(4.1) | -1.1(4.1) | 58.2(7) | 10.8(7) | | | |
| 1071 | 21:33:37.57 | 57:14:50.9[r] | 1254 | 4254 | | | | 13.5[j] | | | 11.364(22) | 11.029(26) | 10.923(22)[r] | | | -3.4(4.1) | 7.7(4.1) | -3.5(7) | 12(7) | -0.3 | 0.42 | |
| 1072 | 21:34:12.74 | 57:14:45.6[r] | 1255 | 4255 | | | | 12.4[j] | | | 11.423(22) | 11.282(29) | 11.194(27)[r] | | | -1.6(2.7) | 0(2.7) | -5.4(0.6) | -3.8(0.5) | -0.12 | 0 | |
| 1073 | 21:34:18.80 | 57:14:31.1[r] | 1256 | 4256 | | | | 14.5[j] | | | 12.815(31) | 12.258(49) | 12.210(36)[r] | | | 1.4(5.6) | -1.6(5.6) | | | -0.34 | 0.5 | near 1664 |
| 1074 | 21:34:27.83 | 57:14:12.9[r] | 1257 | 4257 | | | | 14.11[j] | | | 12.291(24) | 11.757(31) | 11.636(29)[r] | | | -31.6(4.1) | -7.7(4.1) | -33.8(6.8) | -4.7(6.8) | 3.16 | 0.2 | |
| 1075 | 21:34:10.57 | 57:15:20.7[r] | 1258 | 4258 | | | | 13.6[j] | | | 11.634(34) | 11.296(44) | 11.179(35)[r] | | | -33.7(4.1) | -33.8(4.1) | | | -1.49 | 0.52 | |
| 1076 | 21:33:37.17 | 57:18:08.2[r] | 1259 | 4259 | | | | 13.9[j] | | | 10.358(22) | 9.556(28) | 9.341(22)[r] | | | -5.8(5.2) | -2.5(5.2) | -37.5(5.7) | 21.8(5.9) | 0.29 | -0.51 | |
| 1077 | 21:33:48.76 | 57:17:55.0[r] | 1260 | 4260 | | | | 12.5[j] | | | 11.070(22) | 10.862(29) | 10.747(26)[r] | | | 5.7(2.7) | 0.6(2.7) | 2.5(6.3) | 1.2(3.8) | -0.54 | 0.42 | |
| 1078 | 21:33:54.71 | 57:17:37.0[r] | 1261 | 414 | | | | 9.5[j] | | | 8.977(22) | 8.920(29) | 8.921(24)[r] | A0[q] | | 1.4(1.2) | 0.1(1.2) | -0.2(0.7) | -1.5(0.6) | -1.16 | 0.15 | |
| 1079 | 21:34:04.45 | 57:17:56.4[r] | 1262 | 416 | | | | 11.8[j] | | | 10.910(23) | 10.642(31) | 10.550(26)[r] | F0[q] | | 12.9(2.7) | 2.5(2.7) | 2.7(0.7) | 1.4(0.6) | -1.16 | 0.11 | |
| 1080 | 21:34:09.93 | 57:17:02.4[r] | 1263 | 4263 | | | | 14.3[j] | | | 10.221(22) | 9.293(29) | 9.049(24)[r] | | | -6.5(5.1) | -1.1(5.1) | 34.7(6.9) | 3(6.9) | -0.25 | 0.53 | |
| 1081 | 21:34:26.22 | 57:16:30.9[r] | 1264 | 4264 | | | | 13[j] | | | 11.567(28) | 11.454(43) | 11.292(36)[r] | | | 9.5(2.7) | 3(2.7) | -4.6(1.7) | -2.3(1.3) | -0.07 | -0.1 | |
| 1082 | 21:34:39.65 | 57:16:06.3[r] | 1265 | 4265 | | | | 12[j] | | | 10.512(24) | 10.174(26) | 10.049(22)[r] | | | -14.1(2.7) | -11.5(2.7) | -8.4(0.8) | -7.7(2) | 0.18 | -0.48 | |
| 1083 | 21:33:52.89 | 57:20:22.5[r] | 1266 | 4266 | | | | 12.5[j] | | | 11.019(22) | 10.813(29) | 10.713(26)[r] | | | 11.7(2.7) | 1.1(2.7) | -7.3(2.2) | -3.2(4.9) | -0.23 | 0.05 | |
| 1084 | 21:33:52.42 | 57:20:31.5[r] | 1267 | 4267 | | | | 14.1[j] | | | 12.148(24) | 11.760(31) | 11.624(27)[r] | | | | | | | 0.35 | -0.18 | |
| 1085 | 21:34:25.34 | 57:18:44.4[r] | 1268 | 4268 | | | | 13.5[j] | | | 11.869(23) | 11.678(33) | 11.573(28)[r] | | | -12.3(4.1) | -3.1(4.1) | -31.4(6.7) | -22.6(6.7) | -0.23 | -0.03 | |
| 1086 | 21:34:00.52 | 57:21:04.0[r] | 1269 | 4269 | | | | 13.9[j] | | | 11.897(23) | 11.364(29) | 11.264(26)[r] | | | 9.9(4.1) | 9.7(4.1) | 14.1(6.8) | 8.8(6.8) | | | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT Class | $A_V$ | PPMXL $\mu_\alpha$ | $\mu_\delta$ | UCAC3 $\mu_\alpha$ | $\mu_\delta$ | MVA [j] $\mu_\alpha$ | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | J2000 hh:mm:ss.ss dd:mm:ss.s | | | | | mag | mag | mag | mag | mag | mag | mag | mag | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1087 | 21:34:33.78 | 57:19:54.4[r] | 1270 | 420 | | | | 11.2[j] | | | 10.705 (24) | 10.607 (26) | 10.577 (23)[r] | A0[q] | | 13.4 (2) | -1.5 (2) | 5 (1.3) | 0.9 (0.9) | -1.11 | 0.64 | RA [m] wrong |
| 1088 | 21:33:39.65 | 57:22:50.3[r] | 1271 | 4271 | | | | 12.2[j] | | | 10.070 (24) | 9.450 (28) | 9.296 (20)[r] | | | -1.1 (5.1) | -3.8 (5.1) | -9.6 (7.9) | -84.2 (7.9) | -0.34 | -0.11 | |
| 1089 | 21:34:13.58 | 57:22:42.9[r] | 1272 | 417 | | | | 10.3[j] | | | 9.519 (22) | 9.436 (28) | 9.334 (20)[r] | A0[q] | | 3.1 (1.3) | 1.8 (1.3) | 4.4 (0.7) | -0.9 (0.6) | -1.2 | 0.31 | |
| 1090 | 21:34:23.09 | 57:23:06.5[r] | 1273 | 4273 | | | | 14.3[j] | | | 12.391 (24) | 12.008 (27) | 11.929 (23)[r] | | | 2.8 (4.1) | -2.5 (4.1) | 0.6 (6.8) | -2.4 (6.7) | | | |
| 1091 | 21:34:26.03 | 57:23:03.9[r] | 1274 | 4274 | | | | 13.1[j] | | | 10.411 (24) | 9.763 (28) | 9.555 (21)[r] | | | 0.6 (5.7) | 5.4 (5.7) | 38.5 (6.5) | 28 (6.5) | -0.39 | 0.14 | |
| 1092 | 21:34:03.93 | 57:24:46.7[r] | 1275 | 4275 | | | | 13.7[j] | | | 11.219 (46) | 10.641 (46) | 10.333 ()[r] | | | 19 (4.1) | -12.2 (4.1) | 73.3 (7.3) | -42.8 (7.3) | -0.31 | -0.45 | |
| 1093 | 21:34:34.84 | 57:23:53.9[r] | 1276 | 4276 | | | | 14.1[j] | | | 12.125 (26) | 11.767 (29) | 11.627 (23)[r] | | | -8 (4.1) | 2.2 (4.1) | -12.9 (6.7) | 2 (6.7) | 0.15 | -0.01 | |
| 1094 | 21:34:28.30 | 57:25:34.1[r] | 1277 | 419 | | | | 11[j] | | | 10.385 (24) | 10.271 (27) | 10.249 (23)[r] | B8[q] | | -4.1 (1.5) | -4.3 (1.5) | 4.7 (9.7) | -2.6 (9.6) | -0.32 | -0.2 | |
| 1095 | 21:34:20.43 | 57:26:12.3[r] | 1278 | 4278 | | | | 14.6[j] | | | 12.750 (24) | 12.382 (28) | 12.282 (24)[r] | | | 0.3 (4.1) | 1.1 (4.1) | -7.2 (7.6) | 9.1 (7.6) | | | |
| 1096 | 21:34:04.18 | 57:28:23.6[r] | 1279 | 4279 | | | | 14.6[j] | | | 12.604 (22) | 12.084 (28) | 11.992 (24)[r] | | | -3.9 (4.1) | -2.6 (4.1) | -0.9 (7.2) | -0.5 (7.3) | | | |
| 1097 | 21:34:09.08 | 57:29:19.4[r] | 1280 | 4280 | | | | 13[j] | | | 11.787 (24) | 11.457 (27) | 11.401 (24)[r] | | | -7.9 (4) | 7.9 (4) | -32.8 (6.5) | 30 (6.5) | 0.23 | 0.09 | |
| 1098 | 21:33:42.81 | 57:31:27.3[r] | 1281 | 4281 | | | | 13.5[j] | | | 11.954 (24) | 11.701 (31) | 11.608 (24)[r] | | | -3.7 (4) | -0.1 (4) | -8.1 (6.7) | 5.6 (6.7) | -0.48 | -0.21 | |
| 1099 | 21:34:08.99 | 57:34:01.5[r] | 1282 | 4282 | | | | 12.6[j] | | | 11.160 (27) | 10.848 (31) | 10.776 (24)[r] | | | 7.9 (4) | 19.3 (4) | 8.9 (0.7) | 13 (18.3) | -1.31 | 0.67 | |
| 1100 | 21:33:32.24 | 57:35:32.5[r] | 1283 | 4283 | | | | 12.5[j] | | | 11.264 (23) | 10.854 (27) | 10.804 (23)[r] | | | 15.2 (3.8) | 11.9 (3.8) | 19.8 (6.9) | 48.6 (6.9) | -1.42 | 1.16 | |
| 1101 | 21:34:00.71 | 57:35:49.0[r] | 1284 | 415 | | | | 10.9[j] | | | 9.830 (24) | 9.543 (26) | 9.495 (21)[r] | F8[q] | | 0.3 (2) | -0.4 (2) | -2.1 (1) | 2.1 (0.8) | -0.38 | 0.33 | |
| 1102 | 21:33:50.53 | 57:36:38.0[r] | 1285 | 4285 | | | | 12.7[j] | | | 11.234 (22) | 10.919 (28) | 10.800 (21)[r] | | | -5.8 (4) | 12.7 (4) | -5.3 (12.2) | -3.8 (12.2) | -0.48 | 0.81 | |
| 1103 | 21:34:02.45 | 57:36:38.3[r] | 1286 | 4286 | | | | 13.6[j] | | | 12.035 (24) | 11.736 (30) | 11.642 (24)[r] | | | -3.3 (4) | -0.4 (4) | -11.5 (6.7) | 11.8 (6.7) | 0.02 | -0.13 | |
| 1104 | 21:34:04.30 | 57:36:55.2[r] | 1287 | 4287 | | | | 13.6[j] | | | 11.934 (22) | 11.710 (27) | 11.573 (24)[r] | | | -3.9 (4) | 4.8 (4) | -4.5 (6.7) | 7.1 (6.7) | -0.19 | 0.07 | |
| 1105 | 21:33:29.49 | 57:40:31.9[r] | 1288 | 413 | | | | 9.8[j] | | | 9.035 (25) | 8.959 (28) | 8.956 (21)[r] | B8[q] | | 9.3 (1.6) | -3.7 (1.6) | -3.9 (0.7) | -4.1 (1.2) | -0.34 | -0.39 | |
| 1106 | 21:33:36.61 | 57:41:03.1[r] | 1289 | 4289 | | | | 13.9[j] | | | 11.907 (27) | 11.481 (33) | 11.382 (25)[r] | | | 1 (3.8) | 5.5 (3.8) | -60.6 (7) | 33.8 (7.1) | -1.02 | 0.18 | |
| 1107 | 21:33:55.43 | 57:40:45.0[r] | 1290 | 4290 | | 13.01[l] | 11.27[l] | | | 7.567 (20) | 6.811 (23) | 6.540 (20)[r] | | | -6.2 (10.7) | 15.7 (10.7) | -7.2 (0.6) | -1.5 (1.3) | 0.31 | -0.2 | |
| 1108 | 21:34:09.08 | 57:41:40.7[r] | 1291 | 4291 | | | | 12.1[j] | | | 10.715 (24) | 10.283 (26) | 10.178 (23)[r] | | | 35.2 (5.5) | 17.1 (5.5) | 34.8 (0.5) | 20.6 (4.1) | -4.02 | 2.09 | |
| 1109 | 21:34:06.89 | 57:42:29.7[r] | 1292 | 4292 | | | | 13.8[j] | | | 11.749 (22) | 11.364 (26) | 11.254 (20)[r] | | | -2.9 (4) | 13.3 (4) | -5.5 (7.4) | 3.5 (7.4) | | | |
| 1110 | 21:34:21.19 | 57:45:25.7[r] | 1294 | 4294 | | | | 14.2[j] | | | 10.411 (24) | 9.590 (29) | 9.347 (22)[r] | | | -9.9 (11.4) | 1.4 (11.4) | -38.3 (7.2) | 17.5 (7.3) | 1.1 | -0.79 | |
| 1111 | 21:34:17.72 | 57:43:00.9[r] | 1295 | 418 | | | | 10[j] | | | 8.031 (26) | 7.491 (23) | 7.413 (24)[r] | K0[q] | | -45.6 (1.7) | 6.6 (1.7) | -44.6 (0.7) | 1.5 (1.3) | | | |
| 1112 | 21:34:54.72 | 57:15:40.8[r] | 1298 | 4298 | | | | 11.9[j] | | | 9.530 (22) | 8.852 (26) | 8.724 (22)[r] | | | 10.4 (2.7) | -7.5 (2.7) | 5.9 (9.8) | -2.4 (8.2) | -1.28 | 0.95 | |
| 1113 | 21:35:03.17 | 57:15:26.8[r] | 1299 | 4299 | | | | 13.4[j] | | | 12.023 (55) | 11.811 (31) | 11.697 (26)[r] | | | -20.6 (4.1) | -14.1 (4.1) | -69.8 (6.9) | -55.6 (6.9) | -0.03 | 0.14 | |
| 1114 | 21:35:13.78 | 57:14:03.7[r] | 1300 | 4300 | | | | 13.4[j] | | | 10.597 (24) | 9.845 (26) | 9.725 (22)[r] | | | -0.2 (5.1) | 5 (5.1) | 4.6 (7.1) | 4.7 (7.1) | 0.21 | 0.35 | |
| 1115 | 21:35:14.74 | 57:12:50.3[j] | 1301 | 4301 | | | | 14.5[j] | | | | | | | | -13.3 (7.4) | -5.8 (7.4) | | | | | no star |
| 1116 | 21:35:24.04 | 57:10:52.9[r] | 1302 | 4302 | | | | 12.8[j] | | | 10.102 (24) | 9.318 (29) | 9.154 (21)[r] | | | 9.9 (5.1) | 11.9 (5.1) | -1.5 (7.2) | -10.5 (7.2) | | | |
| 1117 | 21:35:30.17 | 57:10:25.9[r] | 1303 | 4303 | | | | 12.9[j] | | | 11.348 (26) | 11.035 (28) | 10.944 (23)[r] | | | 3.6 (4.1) | 9.1 (4.1) | 27.8 (7.4) | 45.9 (7.4) | 0.16 | -0.5 | |
| 1118 | 21:35:34.00 | 57:12:27.6[r] | 1304 | 4304 | | | | 12.1[j] | | | 11.161 (22) | 10.932 (26) | 10.842 (21)[r] | | | 3.2 (4.1) | -29.4 (4.1) | -5.6 (1) | -11.6 (1.4) | 0.11 | -0.9 | |
| 1119 | 21:35:45.75 | 57:13:20.2[r] | 1305 | 4305 | | | | 12.2[j] | | | 11.443 (24) | 11.287 (28) | 11.236 (21)[r] | | | -5.4 (4.1) | 4.5 (4.1) | -4.5 (1.1) | -4.6 (3.1) | -0.33 | -0.33 | |
| 1120 | 21:35:51.20 | 57:14:49.0[r] | 1306 | 4306 | | | | 14.4[j] | | | 11.265 (22) | 10.541 (26) | 10.332 (21)[r] | | | -8.6 (4.1) | 1.1 (4.1) | -10.8 (6.8) | 6 (6.8) | 0.42 | -0.38 | |
| 1121 | 21:35:36.66 | 57:16:12.0[r] | 1307 | 4307 | | | | 13.1[j] | | | 10.223 (22) | 9.490 (28) | 9.292 (21)[r] | | | -4.7 (5.1) | 3.3 (5.1) | -3.5 (7) | 1.8 (7) | 0.02 | 0.36 | |
| 1122 | 21:34:52.09 | 57:17:55.5[r] | 1308 | 4308 | | | | 14.2[j] | | | 12.062 (22) | 11.656 (29) | 11.573 (23)[r] | | | -18.7 (4.1) | 1.6 (4.1) | -22.4 (6.8) | -1.5 (6.8) | 1.16 | 0.42 | |
| 1123 | 21:34:51.93 | 57:19:33.0[r] | 1309 | 4309 | | | | 12.7[j] | | | 11.248 (24) | 10.932 (28) | 10.865 (25)[r] | | | 5 (2.7) | -6.4 (2.7) | 2.4 (5.3) | -8.7 (3.8) | 0.27 | -0.79 | |
| 1124 | 21:35:24.90 | 57:19:00.9[r] | 1310 | 4310 | | | | 14.2[j] | | | 12.661 (24) | 12.426 (31) | 12.286 (24)[r] | | | 0.3 (4.1) | 7.5 (4.1) | 4.3 (6.7) | 8.6 (6.7) | -0.52 | 0.27 | |
| 1125 | 21:35:27.87 | 57:19:06.8[r] | 1311 | 4311 | | | | 14.3[j] | | | 10.229 (24) | 9.284 (28) | 8.968 (20)[r] | | | -4.9 (5.1) | -1.9 (5.1) | -8.4 (6.9) | -7 (6.9) | 0.22 | -0.12 | |
| 1126 | 21:35:56.55 | 57:20:52.9[r] | 1312 | 4312 | | 10.37[l] | 10.67[f] | 10.34[e] | | | 9.718 (31) | 9.636 (37) | 9.594 ()[r] | B4[e] | 1.5[e] | -1.8 (2) | 3 (2) | -3 (0.8) | -4.6 (1.7) | -0.25 | -0.19 | |
| 1127 | 21:36:05.71 | 57:20:05.6[r] | 1313 | 4313 | | | 15.05[l] | 12.8[l] | | | 7.314 (18) | 6.140 (27) | 5.774 (18)[r] | | | -5 (5.1) | 1.1 (5.1) | -0.7 (5.9) | -2.8 (6) | 0.31 | -0.33 | |
| 1128 | 21:36:07.68 | 57:20:34.8[r] | 1314 | 4314 | | | | 12.7[j] | | | 10.465 (22) | 9.849 (29) | 9.690 (20)[r] | | | 4.3 (5.1) | 11 (5.1) | -5.2 (6.8) | 0.7 (6.8) | -1.33 | 1.07 | |
| 1129 | 21:34:55.98 | 57:22:54.2[r] | 1315 | 423 | | | | 10.3[j] | | | 8.273 (30) | 7.763 (53) | 7.599 (20)[r] | G5[q] | | -11.9 (1.5) | -9.4 (1.5) | -9.2 (0.5) | -9.3 (1) | 0.61 | -0.66 | |
| 1130 | 21:34:55.23 | 57:23:11.5[r] | 1316 | 4316 | | | | 13.5[j] | | | 12.145 (24) | 11.857 (32) | 11.768 (25)[r] | | | -16.7 (11.4) | 3.2 (11.4) | -42.7 (6.6) | 7.5 (6.8) | 0.7 | -0.45 | |
| 1131 | 21:35:07.23 | 57:22:27.7[r] | 1317 | 4317 | | | | 13[j] | | | 11.638 (22) | 11.271 (31) | 11.208 (22)[r] | | | -10.6 (4.1) | -3.7 (4.1) | -9.2 (7.3) | -4.9 (7.3) | 0.39 | -0.56 | |
| 1132 | 21:35:20.37 | 57:21:46.5[r] | 1318 | 4318 | | 12.20[l] | 12.04[l] | 11.66[l] | | | 10.727 (24) | 10.639 (29) | 10.571 (23)[r] | | | -9.1 (11.4) | -7.7 (11.4) | -5.6 (1.1) | -3.7 (1.6) | -0.23 | 0.13 | |
| 1133 | 21:35:24.16 | 57:21:10.1[r] | 1319 | 4319 | | | | 14.4[j] | | | 12.636 (22) | 12.326 (28) | 12.207 (23)[r] | | | -8.1 (4.1) | 1.7 (4.1) | -9.5 (6.7) | 0.4 (6.8) | -0.07 | .01 | |
| 1134 | 21:35:26.72 | 57:22:00.0[r] | 1320 | 4320 | | | | 14.4[j] | | | 12.585 (23) | 12.164 (27) | 12.099 (24)[r] | | | -18.6 (4.1) | -5.3 (4.1) | -21.8 (6.7) | -7.8 (6.7) | 1.45 | -1.2 | new coordinates |
| 1135 | 21:35:13.42 | 57:22:56.5[r] | 1321 | 4321 | | | | 13.3[j] | | | 11.831 (24) | 11.404 (31) | 11.287 (24)[r] | | | -27.6 (4.1) | -16.9 (4.1) | -37 (7.3) | -1.6 (7.3) | 2.25 | -1.54 | |
| 1136 | 21:35:46.14 | 57:22:19.5[r] | 1322 | 428 | | | | 10.1[j] | | | 9.222 (22) | 8.968 (26) | 8.970 (20)[r] | F5[q] | | -17.3 (1.6) | 4.4 (1.6) | -15.9 (0.8) | -5.3 (1.5) | 1.09 | -0.13 | |
| 1137 | 21:35:51.50 | 57:23:39.5[r] | 1323 | 429 | | | | 10.6[j] | | | 9.473 (23) | 9.307 (27) | 9.215 (20)[r] | B8[q] | | -10.7 (1.7) | -5.6 (1.7) | -4.3 (1.4) | -5.2 (0.6) | -0.21 | -0.2 | |
| 1138 | 21:34:39.47 | 57:26:27.1[r] | 1324 | 4324 | | | | 13.2[j] | | | 11.452 (22) | 11.092 (29) | 11.017 (22)[r] | | | 0.3 (4.1) | 5.1 (4.1) | 11.3 (7.3) | 10.3 (7.3) | -0.66 | 0.36 | |
| 1139 | 21:34:49.51 | 57:26:02.7[r] | 1325 | 4325 | | | | 14.5[j] | | | 12.400 (24) | 12.025 (26) | 11.941 (25)[r] | | | 1.7 (4.1) | -0.4 (4.1) | -1.5 (7.6) | 0.4 (7.6) | -0.7 | -0.2 | |

R. Ermann et al.: Stellar content of Trumpler 37

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA<br>J2000<br>hh:mm:ss.ss | Dec<br><br>dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U<br>mag | B<br>mag | V<br>mag | R<br>mag | I<br>mag | J<br>mag | H<br>mag | K<br>mag | SpT | Class | $A_V$<br>mag | $\mu_\alpha$<br>PPMXL<br>mas/yr | $\mu_\delta$<br><br>mas/yr | $\mu_\alpha$<br>UCAC3<br>mas/yr | $\mu_\delta$<br><br>mas/yr | $\mu_\alpha$<br>MVA [j]<br>mas/yr | $\mu_\delta$<br><br>mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1140 | 21:35:01.00 | 57:26:37.0[r] | 1326 | 4326 | | | | 13.2[j] | | | 11.688 (26) | 11.384 (31) | 11.246 (25)[r] | | | | 2.6 (4.1) | 8.9 (4.1) | 24.4 (7.2) | 32.4 (7.2) | -0.5 | 0.35 | |
| 1141 | 21:35:27.81 | 57:27:15.6[r] | 1327 | 4327 | | | | 14.2[j] | | | 12.530 (25) | 12.193 (28) | 12.111 (26)[r] | | | | -6 (4.1) | -0.4 (4.1) | -11.3 (7.6) | 12.9 (7.6) | 0.15 | -0.04 | |
| 1142 | 21:35:43.84 | 57:28:03.5[r] | 1328 | 427 | | 8.23[l] | 8.78[l] | 8.41[l] | | | 7.544 (19) | 7.539 (46) | 7.489 (18)[r] | B0.5[p] V[p] | | | -0.4 (1.2) | -3.1 (1.2) | -4.3 (0.7) | -5 (1.1) | -0.31 | -0.4 | |
| 1143 | 21:35:54.98 | 57:28:54.4[r] | 1329 | 4329 | | | | 12.7[j] | | | 9.765 (23) | 8.984 (27) | 8.789 (21)[r] | | | | -7.2 (5.1) | -4.1 (5.1) | -36.9 (6.6) | -67.2 (6.5) | 0.53 | -0.58 | new coordinates |
| 1144 | 21:35:59.05 | 57:28:53.1[r] | 1330 | 4330 | | | | 14.3[j] | | | 10.640 (23) | 9.826 (27) | 9.560 (25)[r] | | | | -1.7 (4.9) | 1.6 (4.9) | 8.1 (7) | 18.5 (7) | -0.31 | 0.29 | |
| 1145 | 21:36:01.48 | 57:28:14.4[r] | 1331 | 431 | | 9.85[l] | 9.84[l] | 9.42[l] | | | 8.810 (27) | 8.648 (27) | 8.636 (23)[r] | F3[p] | III[p] | | 19.9 (1.7) | -4.6 (1.7) | 21.6 (3) | -3.8 (1.1) | -2.28 | -0.6 | |
| 1146 | 21:36:02.76 | 57:28:14.0[r] | 1332 | 432 | | | | 9.5[j] | | | 8.364 (27) | 8.177 (42) | 8.170 (31)[r] | F3[q] | | | 21 (1.3) | -4.2 (1.3) | 20.2 (1.8) | -3.7 (1.8) | -2.23 | -0.59 | |
| 1147 | 21:34:17.29 | 57:30:27.4[r] | 1333 | 4333 | | | | 14.6[j] | | | 12.749 (26) | 12.414 (33) | 12.308 (28)[r] | | | | -2.7 (5.5) | 0.9 (5.5) | | | | | |
| 1148 | 21:34:40.73 | 57:31:08.9[r] | 1334 | 4334 | | | | 13.9[j] | | | 11.949 (22) | 11.561 (31) | 11.446 (22)[r] | | | | -16 (4) | -2.1 (4) | -51.5 (7.3) | -59.5 (7.3) | 0.48 | 0.13 | |
| 1149 | 21:34:42.42 | 57:31:17.5[r] | 1335 | 4335 | | | | 13.11[j] | | | 11.997 (24) | 11.678 (28) | 11.602 (25)[r] | | | | -14.8 (3.8) | -14.9 (3.8) | -9.7 (6.7) | -7.5 (6.7) | 0.56 | -0.9 | |
| 1150 | 21:34:42.07 | 57:33:05.5[r] | 1336 | 422 | | | | 11.2[j] | | | 10.543 (24) | 10.473 (26) | 10.455 (22)[r] | A0[q] | | | 8 (2) | 1.1 (2) | -4.5 (0.7) | -3.8 (1.7) | -0.14 | -0.3 | |
| 1151 | 21:34:29.80 | 57:34:14.1[r] | 1337 | 4337 | | | | 13.7[j] | | | 10.458 (24) | 9.600 (27) | 9.340 (20)[r] | | | | 1.1 (4.7) | 1.3 (4.7) | 13.9 (6.8) | 16.7 (6.8) | 0.25 | 0.26 | |
| 1152 | 21:34:33.03 | 57:40:41.1[r] | 1338 | 4338 | | | | 14.1[j] | | | 12.417 (24) | 11.953 (28) | 11.942 (23)[r] | | | | -0.1 (3.8) | 4 (3.8) | -6.4 (7.3) | -3.1 (7.5) | 0.01 | 0.31 | |
| 1153 | 21:36:10.14 | 57:12:53.3[r] | 1340 | 4340 | | | | 10.9[j] | | | 10.095 (22) | 9.924 (29) | 9.879 (21)[r] | | | | 27.6 (2) | 20.8 (2) | 26.2 (0.6) | 9.5 (1.3) | -3.45 | 1.52 | |
| 1154 | 21:36:10.47 | 56:52:30.0[r] | 1341 | 4341 | | | | 11.6[j] | | | 10.459 (22) | 10.051 (28) | 9.955 (21)[r] | | | | 15.3 (5.1) | 22.2 (5.1) | 15.1 (1.3) | 21.2 (0.6) | | | |
| 1155 | 21:36:24.19 | 56:52:50.2[r] | 1342 | 4342 | | | | 12[j] | | | 10.499 (23) | 10.172 (27) | 10.047 (20)[r] | | | | 3.3 (4.1) | -5.4 (4.1) | 7.7 (2.6) | -12.3 (2) | -1.45 | -0.98 | |
| 1156 | 21:35:48.68 | 56:54:22.1[r] | 1344 | 4344 | | | | 14.2[j] | | | 12.109 (22) | 11.794 (31) | 11.656 (24)[r] | | | | 0.2 (4.1) | 4.8 (4.1) | 5.1 (6.8) | 8 (6.8) | -0.86 | 0.37 | |
| 1157 | 21:36:06.85 | 56:53:40.4[r] | 1345 | 4345 | | | | 14.5[j] | | | 12.512 (24) | 12.212 (31) | 12.137 (25)[r] | | | | 0.3 (4.1) | -0.2 (4.1) | -6.1 (5.9) | -2.7 (5.9) | -0.69 | 0.87 | |
| 1158 | 21:35:34.88 | 56:57:16.9[r] | 1346 | 4346 | | | | 12.7[j] | | | 11.366 (22) | 11.023 (28) | 10.934 (21)[r] | | | | -10.8 (4.1) | -26.7 (4.1) | -7.3 (7.1) | -22.3 (7) | 0.62 | -2.01 | |
| 1159 | 21:36:25.44 | 56:57:10.6[r] | 1347 | 4347 | | | | 14.5[j] | | | 10.479 (23) | 9.585 (27) | 9.288 (20)[r] | | | | -1.2 (5.1) | -7.8 (5.1) | -6 (6.8) | -0.1 (6.8) | | | |
| 1160 | 21:35:50.57 | 56:59:48.9[r] | 1348 | 4348 | | | | 14.2[j] | | | 12.576 (24) | 12.429 (28) | 12.278 (23)[r] | | | | -4.1 (4.1) | -0.8 (4.1) | -5.4 (6.8) | 5.6 (6.7) | -0.39 | 0.13 | |
| 1161 | 21:35:52.37 | 56:59:50.0[r] | 1349 | 4349 | | | | 13.3[j] | | | 10.186 (22) | 9.440 (28) | 9.212 (21)[r] | | | | 2.6 (5.1) | 2.3 (5.1) | -2.6 (6.9) | 8.4 (7) | -0.93 | 0.79 | |
| 1162 | 21:36:09.54 | 56:59:37.9[r] | 1350 | 4350 | | | | 14.6[j] | | | 11.219 (24) | 10.516 (29) | 10.263 (21)[r] | | | | -1.4 (4.1) | 3.9 (4.1) | 2.5 (6.8) | 41.2 (6.8) | -0.14 | 0.06 | |
| 1163 | 21:36:24.73 | 57:00:25.7[r] | 1351 | 4351 | | | | 12.3[j] | | | 9.680 (23) | 9.060 (27) | 8.862 (21)[r] | | | | -16.9 (5.1) | -1.3 (5.1) | -12.7 (7.7) | 5.8 (7.7) | 0.44 | -0.29 | |
| 1164 | 21:35:54.49 | 57:02:23.4[r] | 1352 | 4352 | | | | 13[j] | | | 10.153 (24) | 9.497 (29) | 9.265 (21)[r] | | | | -6.6 (5.1) | -5.7 (5.1) | -34.7 (7.2) | -20.2 (7.2) | 0.03 | -0.37 | |
| 1165 | 21:36:28.20 | 57:01:58.3[r] | 1353 | 4353 | | | | 14.2[j] | | | 12.145 (25) | 11.819 (33) | 11.743 (26)[r] | | | | -6.1 (4.1) | -2 (4.1) | -15.6 (6.8) | 1.3 (6.8) | -0.15 | 0.26 | |
| 1166 | 21:35:42.77 | 57:03:59.5[r] | 1354 | 4354 | | | | 10.7[j] | | | 9.781 (24) | 9.684 (28) | 9.597 (20)[r] | | | | -0.8 (2) | -8.7 (2) | -2.6 (1) | -6.1 (1) | -0.38 | -0.11 | |
| 1167 | 21:35:57.15 | 57:03:14.8[r] | 1355 | 4355 | | | | 14.5[j] | | | 12.529 (22) | 12.176 (32) | 12.080 (25)[r] | | | | -3.3 (4.1) | -6.4 (4.1) | -3.3 (6.8) | -4.2 (6.8) | -0.35 | 0.31 | |
| 1168 | 21:36:11.32 | 57:03:31.3[r] | 1356 | 4356 | | | | 14.3[j] | | | 11.021 (22) | 10.236 (29) | 10.023 (20)[r] | | | | 2.9 (4.1) | -4.9 (4.1) | 1.3 (6.8) | 9.4 (6.8) | -1.1 | -0.88 | |
| 1169 | 21:36:16.72 | 57:03:09.9[r] | 1357 | 4357 | | | | 13.1[j] | | | 11.797 () | 11.596 (34) | 11.486 (29)[r] | | | | -11 (4.1) | 11.8 (4.1) | -5.4 (2) | -1.4 (3.4) | -0.01 | 0.06 | 2x[r] |
| 1170 | 21:36:16.85 | 57:03:06.2[r] | 1357 | 4357 | | | | 13.1[j] | | | 13.864 (55) | 12.006 () | 11.956 ()[r] | | | | | | -5.4 (2) | -1.4 (3.4) | -0.01 | 0.06 | 2x[r] |
| 1171 | 21:36:19.66 | 57:03:31.4[r] | 1358 | 4358 | | | | 14.5[j] | | | 12.454 (24) | 12.162 (28) | 12.013 (25)[r] | | | | -6.5 (4.1) | 0.7 (4.1) | -8.1 (6.7) | 6.3 (6.7) | -0.28 | 0.33 | |
| 1172 | 21:36:22.45 | 57:03:20.6[r] | 1359 | 4359 | | | | 12.8[j] | | | 11.368 (22) | 11.161 (27) | 11.065 (23)[r] | | | | -5.9 (4.1) | 1.3 (4.1) | -10.6 (6.8) | 5.3 (6.8) | -0.18 | 0.01 | |
| 1173 | 21:35:33.06 | 57:06:31.4[r] | 1360 | 158 | | | | 10[j] | | | 8.682 (23) | 8.299 (44) | 8.293 ()[r] | dK0[q] | | | -84 (2) | 61.2 (2) | -83 (0.7) | 64 (0.7) | | | [j] imprec. |
| 1174 | 21:35:50.78 | 57:06:08.2[r] | 1361 | 4361 | | | | 13.1[j] | | | 11.414 (24) | 11.042 (31) | 10.818 (21)[r] | | | | 1.2 (4.1) | -11.2 (4.1) | 3 (7.1) | -15 (7.1) | -0.1 | -0.06 | |
| 1175 | 21:36:10.38 | 57:05:45.5[r] | 1362 | 4362 | | | | 14.8[j] | | | 12.853 (24) | 12.453 (32) | 12.345 (25)[r] | | | | -6.3 (4.1) | 4.4 (4.1) | -9.6 (6.8) | 14.9 (6.8) | | | |
| 1176 | 21:36:20.40 | 57:05:26.4[r] | 1363 | 4363 | | | | 13.9[j] | | | 10.807 (22) | 10.072 (27) | 9.878 (21)[r] | | | | -5.9 (5.1) | 0.2 (5.1) | -27.3 (6.9) | -0.8 (7) | 0.03 | -0.05 | |
| 1177 | 21:35:47.63 | 57:07:05.2[j] | 1364 | 4364 | | | | 14.3[j] | | | | | | | | | | | | | | | no star |
| 1178 | 21:35:52.56 | 57:07:46.0[r] | 1365 | 4365 | | | | 12.2[j] | | | 9.584 (27) | 8.594 (78) | 8.380 (69)[r] | | | | -12.1 (5.2) | -8.5 (5.2) | -46.7 (7.8) | -62.8 (7.8) | -0.03 | 0.34 | |
| 1179 | 21:36:15.01 | 57:07:57.1[r] | 1366 | 4366 | | | | 14.6[j] | | | 13.124 (26) | 12.893 (30) | 12.841 (31)[r] | | | | -5 (4.1) | -0.3 (4.1) | -6.9 (6.8) | -8.2 (6.8) | | | |
| 1180 | 21:36:18.59 | 57:07:28.1[r] | 1367 | 4367 | | | | 14.5[j] | | | 11.461 (22) | 10.810 (28) | 10.611 (20)[r] | | | | 6.6 (4.1) | 28.2 (4.1) | 0.4 (6.8) | 36 (6.8) | -2.02 | 3.25 | |
| 1181 | 21:36:21.54 | 57:07:56.0[r] | 1368 | 4368 | | | | 14.8[j] | | | 12.863 (39) | 12.542 (44) | 12.424 (36)[r] | | | | -19.9 (4.1) | 5.8 (4.1) | | | | | |
| 1182 | 21:35:36.71 | 57:08:21.4[r] | 1370 | 4370 | | | | 13.11[j] | | | 11.633 (26) | 11.385 (29) | 11.222 (23)[r] | | | | -10.1 (4.1) | 3.5 (4.1) | -11.8 (7) | 26.4 (7) | 0.16 | 0.06 | |
| 1183 | 21:36:07.08 | 57:09:32.7[r] | 1371 | 4371 | | | | 14.4[j] | | | 10.914 (24) | 10.194 (29) | 9.922 (21)[r] | | | | -3.4 (5.1) | -4.5 (5.1) | -2.3 (6.9) | -19.3 (6.9) | 0.2 | 0.36 | |
| 1184 | 21:36:10.22 | 57:09:33.9[r] | 1372 | 4372 | | | | 14.2[j] | | | 12.366 (26) | 12.086 (31) | 11.970 (25)[r] | | | | -8.2 (4.1) | 0.5 (4.1) | -19 (6.7) | 24.3 (6.7) | 0.27 | 0.06 | |
| 1185 | 21:36:47.51 | 56:53:37.5[r] | 1373 | 4373 | | | | 12.8[j] | | | 10.415 (22) | 9.806 (27) | 9.629 (20)[r] | | | | -2.4 (5.1) | -1.7 (5.1) | 2.1 (7) | 4.6 (7) | -0.13 | -0.09 | |
| 1186 | 21:37:05.38 | 56:52:53.5[r] | 1375 | 4375 | | | | 14.6[j] | | | 11.605 (22) | 10.850 (26) | 10.689 (21)[r] | | | | -0.2 (4.1) | -5.4 (4.1) | -3.2 (6.8) | -2.2 (6.8) | | | |
| 1187 | 21:37:02.23 | 56:53:33.6[r] | 1378 | 4376 | | | | 14.6[j] | | | 13.083 (22) | 12.809 (27) | 12.832 (33)[r] | | | | 0.2 (4.1) | 1.3 (4.1) | -2.7 (6.8) | 2.1 (6.8) | 0.12 | 0.27 | |
| 1188 | 21:37:16.80 | 56:52:29.1[r] | 1378 | 4378 | | | | 12.2[j] | | | 8.438 (20) | 7.492 (57) | 7.141 (23)[r] | | | | -1.4 (5.1) | -1.9 (5.1) | -48.2 (7.2) | 17.3 (7.3) | | | |
| 1189 | 21:37:21.60 | 56:53:14.8[r] | 1379 | 4379 | | | | 14.3[j] | | | 12.945 (22) | 12.665 (33) | 12.626 (26)[r] | | | | -1.1 (4.1) | -2.1 (4.1) | -5.4 (6.8) | 7 (6.7) | -0.22 | -0.33 | |
| 1190 | 21:37:25.23 | 56:53:02.5[r] | 1380 | 4380 | | | | 13.2[j] | | | 11.870 () | 11.641 (30) | 11.567 (24)[r] | | | | 3.7 (4.1) | -3 (4.1) | 2.3 (6.9) | -21.9 (7) | -1.11 | 0.75 | |
| 1191 | 21:37:31.97 | 56:53:41.1[r] | 1381 | 4381 | | | | 13[j] | | | 11.492 (22) | 10.960 (28) | 10.896 (20)[r] | | | | 20.9 (4.1) | 25.1 (4.1) | 19.8 (7) | 27.5 (7) | -3.03 | 2.89 | |
| 1192 | 21:37:00.24 | 56:55:40.2[r] | 1382 | 4382 | | | | 12.1[j] | | | 9.740 (22) | 9.161 (27) | 8.972 (20)[r] | | | | -7.9 (5.1) | -2.1 (5.1) | -2.3 (7.4) | -0.7 (7.4) | 0.1 | -0.15 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1193 | 21:36:58.02 | 56:56:14.3[r] | 1383 | 4383 | | | | 14.4[j] | | | 12.576 (24) | 12.296 (30) | 12.195 (24)[r] | | | -2.5 (4.1) | -6.6 (4.1) | -4.7 (6.8) | -0.9 (6.7) | -0.36 | -0.05 | |
| 1194 | 21:37:26.83 | 56:56:46.3[r] | 1384 | 4384 | | | | 12.9[j] | | | 9.979 (22) | 9.198 (26) | 8.998 (20)[r] | | | 1.1 (5.1) | -3.3 (5.1) | -4.1 (7) | -0.9 (7) | -0.06 | 0.16 | |
| 1195 | 21:37:39.71 | 56:55:08.6[r] | 1385 | 4385 | | | | 13[j] | | | 15.080 (68) | 14.301 (66) | 14.243 (82)[r] | | | | | -35.5 (7.1) | 22.4 (7) | 0.21 | -0.6 | 2x[r] (faint) |
| 1196 | 21:37:39.02 | 56:55:09.3[r] | 1385 | 4385 | | | | 13[j] | | | 11.517 (26) | 11.152 (32) | 11.050 (24)[r] | | | -5.7 (4.1) | 2.7 (4.1) | -35.5 (7.1) | 22.4 (7) | 0.21 | -0.6 | 2x[r] |
| 1197 | 21:37:41.03 | 56:53:57.0[r] | 1386 | 4386 | | | | 11.5[j] | | | 8.632 (23) | 7.875 (49) | 7.627 (21)[r] | | | -0.4 (5.1) | -4.9 (5.1) | 70.4 (7.5) | -4.5 (7.5) | 0.19 | -0.37 | |
| 1198 | 21:37:50.59 | 56:53:16.4[r] | 1387 | 4387 | | | | 14.2[j] | | | 10.990 (23) | 10.405 (31) | 10.217 (18)[r] | | | -4 (4) | 2.5 (4) | -0.1 (6.9) | 0.4 (6.9) | -1.58 | 0.54 | |
| 1199 | 21:37:54.87 | 56:54:22.7[r] | 1388 | 4388 | | | | 10.6[j] | | | 9.157 (29) | 8.925 (30) | 8.934 (20)[r] | | | 18.3 (1.3) | -5.2 (1.2) | 17.9 (0.5) | -2 (0.5) | -2.83 | -0.31 | |
| 1200 | 21:36:57.78 | 56:57:36.1[r] | 1389 | 4389 | | | | 12.1[j] | | | 7.075 (20) | 5.962 (36) | 5.552 (20)[r] | | | -0.1 (5.1) | -2.7 (5.1) | -9.2 (7.8) | -0.1 (7.8) | 0 | -0.11 | |
| 1201 | 21:37:35.89 | 56:58:46.4[r] | 1391 | 4391 | | | | 13.6[j] | | | 12.080 (22) | 11.774 (27) | 11.742 (25)[r] | | | 5.6 (4.1) | 1.6 (4.1) | 0.3 (6.9) | 17.3 (6.9) | -0.78 | 0.31 | |
| 1202 | 21:37:43.54 | 56:59:11.1[r] | 1392 | 4392 | | | | 10[j] | | | 8.591 (27) | 8.230 (29) | 8.240 (23)[r] | | | 3.2 (1.3) | -50 (1.2) | 8.9 (7.2) | -34.5 (7.1) | -0.32 | -5.1 | |
| 1203 | 21:37:50.71 | 56:59:47.8[r] | 1393 | 4393 | | | | 14.3[j] | | | 12.169 (24) | 11.831 (32) | 11.729 (20)[r] | | | -8.6 (4.1) | 0.9 (4) | 0.3 (6.8) | 14.8 (6.8) | 0.49 | -0.15 | |
| 1204 | 21:36:37.59 | 57:00:57.3[r] | 1394 | 4394 | | | | 13.8[j] | | | 7.933 (21) | 6.827 (27) | 6.365 (24)[r] | | | -2.9 (5.1) | -3 (5.1) | -8.9 (6.7) | 2.8 (6.8) | -0.1 | 0.07 | |
| 1205 | 21:37:00.77 | 57:00:45.0[r] | 1395 | 4395 | | | | 13[j] | | | 11.417 (24) | 10.964 (31) | 10.827 (21)[r] | | | 40 (18.4) | -38.7 (18.4) | | | -2.4 | 2.14 | |
| 1206 | 21:37:34.16 | 57:01:57.7[r] | 1396 | 4396 | | | | 11.5[j] | | | 8.588 (23) | 7.741 (31) | 7.515 (16)[r] | | | -3.1 (13.2) | -18.2 (13.2) | 16 (9.6) | -0.2 (8.9) | 0.31 | 0.05 | |
| 1207 | 21:37:33.90 | 57:02:09.6[r] | 1397 | 4397 | | | | 12.6[j] | | | 11.383 (27) | 11.059 (31) | 10.984 (25)[r] | | | -8.1 (4.1) | 10.1 (4.1) | | | 0.16 | 0.49 | |
| 1208 | 21:37:53.02 | 57:01:33.7[r] | 1398 | 4398 | | | | 13.3[j] | | | 9.083 (21) | 8.096 (80) | 7.755 (29)[r] | | | -3.9 (5.1) | -2 (5.1) | -9.4 (7) | 3.3 (7) | 0.22 | -0.11 | |
| 1209 | 21:37:46.42 | 57:01:53.2[r] | 1399 | 4399 | | | | 14.6[j] | | | 13.281 (26) | 13.008 (34) | 12.918 (34)[r] | | | -4.8 (4.1) | -7.3 (4.1) | -6.7 (6.8) | 1.5 (6.8) | | | |
| 1210 | 21:37:53.14 | 57:01:59.7[r] | 1400 | 4400 | | | | 12.7[j] | | | 10.246 (21) | 9.664 (30) | 9.527 (18)[r] | | | -2.8 (5.1) | -2.2 (5.1) | -15.7 (7.2) | -23.5 (7.2) | 0.05 | 0.4 | |
| 1211 | 21:36:34.88 | 57:02:12.5[r] | 1401 | 4401 | | | | 13.2[j] | | | 12.068 (27) | 11.920 (33) | 11.887 (28)[r] | | | -72.7 (7.6) | 26.5 (7.6) | -21 (6.9) | 43.1 (6.9) | -0.25 | 0.15 | |
| 1212 | 21:36:40.64 | 57:01:38.1[r] | 1402 | 4402 | | | | 11.8[j] | | | 7.207 (21) | 6.159 (20) | 5.789 (17)[r] | | | -3.1 (5.1) | -3 (5.1) | -7.6 (7.8) | 0.7 (7.8) | -0.14 | -0.46 | |
| 1213 | 21:36:54.60 | 57:02:53.7[r] | 1403 | 4403 | | | | 12.2[j] | | | 8.555 (19) | 7.579 (18) | 7.310 (16)[r] | | | -1.6 (5.1) | -4.2 (5.1) | -7.4 (7.6) | -3.4 (7.7) | -0.28 | -0.19 | |
| 1214 | 21:36:53.74 | 57:03:04.4[r] | 1404 | 4404 | | | | 13.2[j] | | | 12.012 (26) | 11.815 (36) | 11.721 (29)[r] | | | -29.2 (7.6) | 399.5 (8.1) | -14.8 (6.3) | 16 (6.4) | -0.38 | -0.01 | |
| 1215 | 21:37:01.98 | 57:02:52.6[r] | 1405 | 4405 | | | | 13.7[j] | | | 11.680 (22) | 11.260 (27) | 11.146 (21)[r] | | | -5.7 (4.1) | -4.5 (4.1) | -1.6 (6.8) | -3 (6.8) | -0.09 | 0.07 | |
| 1216 | 21:37:11.39 | 57:03:08.0[r] | 1406 | 4406 | | | | 13.3[j] | | | 9.124 (24) | 8.064 (51) | 7.721 (26)[r] | | | -4 (5.1) | -4.2 (5.1) | -10.7 (7) | 4.4 (7) | 0.02 | -0.16 | |
| 1217 | 21:37:12.37 | 57:03:28.4[r] | 1407 | 4407 | | | | 12.9[j] | | | 11.670 (31) | 11.362 (46) | 11.275 (38)[r] | | | -7.4 (4.1) | 3.2 (4.1) | -37.2 (7) | 23.7 (7) | -0.07 | 0.05 | |
| 1218 | 21:37:17.61 | 57:04:36.2[r] | 1408 | 4408 | | | | 10.9[j] | | | 8.317 (29) | 7.645 (24) | 7.476 (23)[r] | | | 5.5 (2.8) | 8.3 (2.8) | 6.5 (1.6) | 7 (1.1) | -1 | 1.2 | |
| 1219 | 21:37:25.17 | 57:04:23.7[r] | 1409 | 4409 | | | | 14.6[j] | | | 12.481 (26) | 12.036 (32) | 11.924 (28)[r] | | | -0.6 (4.1) | -2.5 (4.1) | 3.4 (6.9) | -13.4 (6.9) | -0.35 | 0.22 | |
| 1220 | 21:37:30.80 | 57:04:11.2[r] | 1410 | 4410 | | | | 14.3[j] | | | 12.729 (26) | 12.378 (31) | 12.253 (29)[r] | | | 6.1 (4.1) | 0.7 (4.1) | 10.6 (6.8) | 22.1 (6.8) | -1.04 | 0.56 | |
| 1221 | 21:37:42.03 | 57:03:20.6[r] | 1411 | 4411 | | | | 12.7[j] | | | 11.555 (24) | 11.298 (30) | 11.240 (23)[r] | | | 8.6 (4.1) | 5.6 (4.1) | 3.5 (1.2) | -0.8 (5.2) | -1 | 0.48 | |
| 1222 | 21:37:43.06 | 57:04:17.4[r] | 1412 | 4412 | | | | 14.7[j] | | | 10.656 (24) | 9.597 (26) | 9.366 (21)[r] | | | 0 (5.1) | -1.2 (5.1) | -4.2 (6.8) | -1.9 (6.8) | | | |
| 1223 | 21:37:45.16 | 57:04:30.2[r] | 1413 | 4413 | | | | 14[j] | | | 12.547 (24) | 12.219 (24) | 12.113 (23)[r] | | | -7.2 (4.1) | -6.2 (4.1) | -7.1 (6.8) | 2.5 (6.8) | 0.29 | -0.54 | |
| 1224 | 21:36:54.55 | 57:05:18.7[r] | 1414 | 4414 | | | | 13.5[j] | | | 12.062 (22) | 11.761 (30) | 11.662 (21)[r] | | | -3.4 (4.1) | 1.2 (4.1) | -7.1 (6.8) | 6.5 (6.8) | -0.01 | 0.13 | |
| 1225 | 21:36:32.81 | 57:06:33.5[r] | 1415 | 4415 | | | | 13.3[j] | | | 11.980 (24) | 11.805 (30) | 11.707 (23)[r] | | | -1.2 (4.1) | 4.5 (4.1) | -1.7 (6.8) | 5.7 (6.8) | -0.63 | 0.4 | |
| 1226 | 21:36:45.23 | 57:06:53.6[r] | 1416 | 4416 | | | | 14.1[j] | | | 12.356 (24) | 12.061 (28) | 11.937 (21)[r] | | | 4.6 (4.1) | 3.4 (4.1) | 39.1 (6.2) | 26.7 (6.2) | -0.23 | -0.02 | |
| 1227 | 21:36:59.83 | 57:06:31.6[j] | 1417 | 4417 | | | | 12.6[j] | | | | | | | | | | | | | | no star |
| 1228 | 21:37:35.89 | 57:06:09.6[r] | 1418 | 4418 | | | | 13.8[j] | | | 11.545 (24) | 10.900 (26) | 10.798 (21)[r] | | | -13.4 (4.1) | -1.4 (4.1) | -14.5 (6.8) | 5.7 (6.8) | 0.68 | 0.07 | |
| 1229 | 21:37:36.37 | 57:06:23.6[r] | 1419 | 4419 | | | | 14.7[j] | | | 12.662 (27) | 12.238 (32) | 12.158 (28)[r] | | | -4.1 (4.1) | 9.3 (4.1) | -2.2 (6.8) | 19.3 (6.9) | | | |
| 1230 | 21:37:46.76 | 57:07:05.6[r] | 1420 | 166 | | | | 10.3[j] | | | 7.712 (34) | 7.080 (31) | 6.934 (33)[r] | G8[q] | | 17.8 (1.7) | 3.8 (1.7) | 11.9 (0.9) | 2.2 (0.6) | -1.47 | 0.86 | |
| 1231 | 21:36:33.90 | 57:08:20.2[r] | 1421 | 4421 | | | | 11.9[j] | | | 8.882 (26) | 8.110 (26) | 7.839 (21)[r] | | | -11.7 (13.8) | 8.9 (13.8) | -11.3 (7.9) | -14.5 (5.3) | -0.49 | 0.13 | |
| 1232 | 21:37:03.24 | 57:08:09.9[r] | 1422 | 4422 | | | | 13.4[j] | | | 11.516 (24) | 11.082 (28) | 10.984 (21)[r] | | | -3.2 (4.1) | 1.5 (4.1) | -1.3 (6.8) | 1.7 (6.8) | -0.16 | -0.11 | |
| 1233 | 21:37:28.93 | 57:08:52.8[r] | 1423 | 4423 | | | | 14.3[j] | | | 10.895 (24) | 10.073 (27) | 9.820 (21)[r] | | | -2.7 (5.1) | -3.7 (5.1) | -13.8 (6.8) | 13.8 (6.8) | | | |
| 1234 | 21:37:57.85 | 57:07:26.2[r] | 1425 | 4425 | | | | 13.3[j] | | | 11.214 (26) | 10.665 (30) | 10.558 (19)[r] | | | -15.3 (4) | -1.6 (4) | -11.9 (7) | -25.3 (7.1) | 0.83 | 0.94 | |
| 1235 | 21:38:01.16 | 57:08:58.4[r] | 1426 | 4426 | | | | 14.2[j] | | | 12.297 (24) | 12.020 (31) | 11.856 (18)[r] | | | -9.2 (4) | -2.7 (4) | -22.7 (6.7) | -0.7 (6.8) | -0.13 | 0.12 | |
| 1236 | 21:36:46.05 | 57:10:17.4[r] | 1427 | 4427 | | | | 12.4[j] | | | 9.072 (26) | 8.191 (38) | 7.910 (21)[r] | | | -2.8 (5.1) | -1.4 (5.1) | 2.5 (7.2) | 2 (7.3) | 0.12 | 0.13 | |
| 1237 | 21:37:13.37 | 57:10:22.3[r] | 1428 | 4428 | | | | 11.5[j] | | | 8.566 (21) | 7.749 (29) | 7.558 (20)[r] | | | -5.8 (2.8) | -2.2 (2.8) | -3.7 (1.6) | 2.2 (1.8) | -0.17 | 0.71 | |
| 1238 | 21:37:40.47 | 57:09:48.3[r] | 1429 | 4429 | | | | 13.9[j] | | | 12.501 (24) | 12.182 (28) | 12.112 (24)[r] | | | -8.4 (4.1) | 1.5 (4.1) | -10.9 (6.8) | -1.4 (6.9) | 0.27 | 0.23 | |
| 1239 | 21:38:45.92 | 56:53:05.1[r] | 1431 | 4431 | | | | 13[j] | | | 11.657 (29) | 11.392 (32) | 11.281 (23)[r] | | | -7.9 (4) | -25.2 (4) | -7.9 (7.3) | -96 (7.3) | 0.06 | 0.19 | |
| 1240 | 21:39:07.49 | 56:53:31.3[r] | 1434 | 4434 | | | | 14.2[j] | | | 11.491 (24) | 10.859 (24) | 10.680 (20)[r] | | | -3.6 (4) | 0.1 (4) | -3.4 (6.8) | 5.8 (6.8) | -0.11 | 0.45 | |
| 1241 | 21:38:20.66 | 56:56:09.0[r] | 1436 | 4436 | | | | 13.9[j] | | | 11.607 (23) | 11.123 (33) | 10.996 (24)[r] | | | 10.5 (4) | -8.9 (4) | 30.6 (7.1) | -42.3 (7.1) | -0.94 | 1.13 | |
| 1242 | 21:38:28.51 | 56:57:14.5[r] | 1437 | 4437 | | | | 13.1[j] | | | 12.007 (21) | 11.542 (29) | 11.541 (18)[r] | | | 7.4 (4) | -2.1 (4) | 8.3 (7.1) | -19.4 (7.1) | -1.11 | -0.13 | |
| 1243 | 21:38:49.68 | 56:55:07.1[r] | 1438 | 4438 | | | | 13.3[j] | | | 12.285 (24) | 12.049 (32) | 11.973 (26)[r] | | | | | | | -0.05 | -0.21 | |
| 1244 | 21:38:26.21 | 56:58:18.8[r] | 1439 | 4439 | | | | 12.8[j] | | | 10.227 (54) | 9.799 (38) | 9.612 (18)[r] | | | | | | | 0.39 | 0.29 | |
| 1245 | 21:38:25.76 | 56:58:36.8[r] | 1441 | 4441 | | | | 12.6[j] | | | 11.504 (36) | 11.159 (40) | 11.114 (30)[r] | | | | | | | -1.58 | 1.35 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ MVA [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1246 | 21:38:34.22 | 56:58:49.1[r] | 1442 | 4442 | | | | 14.1[j] | | | 10.645 (21) | 9.823 (30) | 9.621 (20)[r] | | | 0.6 (6.6) | -2.5 (6.6) | 10.6 (6.8) | 1.6 (6.9) | 0.06 | -0.18 | |
| 1247 | 21:38:50.83 | 56:57:30.3[r] | 1443 | 4443 | | | | 13.1[j] | | | 11.878 (24) | 11.432 (27) | 11.364 (23)[r] | | | 3.9 (4) | 2.7 (4) | 2.9 (7) | 9.5 (7) | -1.27 | 0.64 | |
| 1248 | 21:39:04.74 | 56:56:59.5[r] | 1444 | 174 | | 8.92[l] | 9.38[l] | 8.34[g] | 7.88 | 7.76[g] | 8.560 (24) | 8.528 (49) | 8.494 (20)[r] | B2[p] IV-V[p] | | -2.5 (0.7) | -6.1 (0.8) | -1.2 (0.6) | -5.1 (0.5) | 0.03 | -0.25 | |
| 1249 | 21:39:06.88 | 56:56:27.9[r] | 1445 | 4445 | | | | 11.9[j] | | | 9.222 (26) | 8.467 (31) | 8.269 (23)[r] | | | -2.1 (5.1) | 4 (5.1) | | | 0.12 | 0.14 | |
| 1250 | 21:39:12.41 | 56:55:51.9[r] | 1446 | 4446 | | | | 12[j] | | | 10.766 (23) | 10.472 (31) | 10.408 (23)[r] | | | -0.8 (2.7) | 5.6 (2.7) | -2.8 (0.7) | 4.9 (1.3) | -0.15 | 0.91 | |
| 1251 | 21:39:17.93 | 56:54:41.4[r] | 1447 | 4447 | | | | 14.5[j] | | | 13.089 (23) | 12.930 (36) | 12.785 (30)[r] | | | -8.5 (4) | 2.2 (4) | -4.4 (6.8) | 11.1 (6.8) | -0.4 | 0.1 | |
| 1252 | 21:39:20.35 | 56:54:51.5[r] | 1448 | 4448 | | | | 14.1[j] | | | 12.083 (23) | 11.710 (33) | 11.541 (20)[r] | | | -5 (4) | -0.8 (4) | -5.8 (6.8) | -2.7 (6.8) | 0.01 | -0.12 | |
| 1253 | 21:37:58.73 | 57:00:09.3[r] | 1449 | 4449 | | | | 14.5[j] | | | 10.160 (21) | 9.175 (31) | 8.869 (20)[r] | | | -2.6 (5.1) | -1.1 (5.1) | -4.2 (6.8) | 7.6 (6.8) | -0.51 | 0.44 | |
| 1254 | 21:38:09.12 | 57:00:50.5[r] | 1450 | 4450 | | | | 13.7[j] | | | 9.803 (21) | 8.934 (30) | 8.663 (20)[r] | | | -4.2 (5.1) | -3.7 (5.1) | -5.1 (7) | 1 (7) | 0.33 | 0.18 | |
| 1255 | 21:38:14.12 | 57:01:33.1[r] | 1451 | 4451 | | | | 14.3[j] | | | 12.870 (23) | 12.653 (29) | 12.584 (20)[r] | | | -5 (4) | -4.4 (4) | -9.6 (6.8) | -10.8 (6.8) | -0.21 | 0.06 | |
| 1256 | 21:38:21.36 | 57:01:52.4[r] | 1452 | 4452 | | | | 13.9[j] | | | 12.000 (21) | 11.767 (31) | 11.577 (24)[r] | | | -3.5 (4) | -5.3 (4) | | | 0.23 | 0.03 | |
| 1257 | 21:38:24.37 | 57:02:08.8[r] | 1453 | 4453 | | | | 13.6[j] | | | 11.595 (21) | 11.251 (29) | 11.114 (18)[r] | | | -7.7 (4) | -10 (4) | -12.2 (6.9) | 0.8 (7) | 0.13 | 0.04 | |
| 1258 | 21:38:22.34 | 57:02:29.3[r] | 1454 | 4454 | | | | 13.5[j] | | | 11.848 (29) | 11.544 (40) | 11.418 (31)[r] | | | -29.2 (4) | -15.6 (4) | | | 0.04 | -0.67 | 2x[r] |
| 1259 | 21:38:23.00 | 57:02:28.2[r] | 1454 | 4454 | | | | 13.5[j] | | | 14.092 (44) | 13.650 (47) | 13.480 (54)[r] | | | 261.1 (9.4) | -76.7 (9.4) | | | 0.04 | -0.67 | 2x[r] (faint) |
| 1260 | 21:38:39.84 | 57:02:57.7[r] | 1455 | 4455 | | | | 14.1[j] | | | 10.861 (23) | 10.132 (31) | 9.908 (22)[r] | | | -4.6 (6.5) | -1.2 (7.2) | | | 0.1 | 0.21 | 2x[r] |
| 1261 | 21:38:40.34 | 57:02:53.7[r] | 1455 | 4455 | | | | 14.1[j] | | | 14.670 (82) | 14.185 (92) | 14.032 (114)[r] | | | -16.6 (5.3) | 14.6 (5.3) | | | 0.1 | 0.21 | 2x[r] (faint) |
| 1262 | 21:38:14.86 | 57:03:04.8[r] | 1456 | 4456 | | | | 14.2[j] | | | 11.315 (21) | 10.694 (29) | 10.453 (18)[r] | | | -3.1 (4) | -6.2 (4) | 0 (6.9) | 4.3 (6.9) | -0.26 | 0.03 | |
| 1263 | 21:38:00.65 | 57:05:27.2[r] | 1457 | 4457 | | | | 14.5[j] | | | 12.509 (24) | 12.338 (37) | 12.114 (20)[r] | | | 1.1 (4) | 4.8 (4) | -3.7 (6.8) | -4.6 (6.8) | -0.74 | 0.46 | |
| 1264 | 21:38:04.10 | 57:05:16.9[r] | 1458 | 4458 | | | | 13.1[j] | | | 10.283 (23) | 9.585 (31) | 9.348 (18)[r] | | | -4.3 (5.1) | -0.1 (5.1) | 18.9 (7.1) | 29.1 (7.2) | 0.23 | 0.39 | |
| 1265 | 21:38:18.16 | 57:06:48.2[r] | 1459 | 169 | | | 10.77[h] | 10.35[h] | | | 9.289 (26) | 9.052 (30) | 8.993 (19)[r] | F0[h] | 0.34[h] | 8.2 (1.6) | -13.8 (1.6) | 6.6 (0.5) | -10.2 (0.5) | -0.92 | -0.6 | |
| 1266 | 21:38:26.39 | 57:06:19.6[r] | 1461 | 4461 | | | | 14.7[j] | | | 10.641 (26) | 9.619 (30) | 9.294 (19)[r] | | | -5.8 (5.1) | -3.2 (5.1) | -24.4 (6.9) | 15.9 (6.9) | | | |
| 1267 | 21:38:32.64 | 57:06:05.9[r] | 1462 | 4462 | | | | 12.1[j] | | | 11.594 (24) | 11.310 (30) | 11.231 (19)[r] | | | -6.4 (4) | -1.8 (4) | -7.3 (1.9) | -3.3 (2.1) | 0.27 | -0.12 | |
| 1268 | 21:38:21.91 | 57:07:22.8[r] | 1463 | 4463 | | | | 13[j] | | | 11.682 (24) | 11.229 (30) | 11.162 (19)[r] | | | -13.8 (4) | -37.6 (4) | -15.1 (7) | -29.7 (7) | 1.18 | -3.22 | |
| 1269 | 21:38:24.29 | 57:08:26.3[r] | 1464 | 4464 | | | | 13.3[j] | | | 11.963 (24) | 11.730 (31) | 11.737 (30)[r] | | | -1.4 (4) | -3.6 (4) | 9.8 (7) | 1.5 (7) | 0 | -0.04 | |
| 1270 | 21:38:16.36 | 57:10:11.6[r] | 1465 | 168 | | | 11.7[f] | 11.5[e] | | | 9.988 (24) | 9.919 (29) | 9.888 (18)[r] | B7[e] | 1[e] | -2.4 (2) | -7.7 (1.9) | -2.1 (0.5) | -7.7 (0.8) | -0.04 | -0.34 | |
| 1271 | 21:38:28.57 | 57:10:44.4[r] | 1466 | 4466 | | | | 12.2[j] | | | 10.695 (29) | 10.274 (31) | 10.184 (18)[r] | | | -2.7 (2.7) | -6.9 (2.7) | -8.9 (3.2) | -1 (1.9) | 0.59 | 0.23 | |
| 1272 | 21:38:33.02 | 57:09:56.6[r] | 1467 | 172 | | | | 9.5[j] | | | 5.640 (34) | 4.835 (47) | 4.494 ()[r] | K5[q] | | -2.8 (1.3) | -13 (1.4) | 0.2 (1.1) | -12.7 (0.7) | 0.21 | -0.93 | |
| 1273 | 21:38:40.98 | 57:09:21.4[r] | 1468 | 4468 | | | | 14.5[j] | | | 12.837 (27) | 12.533 (33) | 12.435 (30)[r] | | | -15.5 (4) | 0.9 (4) | -15.4 (6.8) | -11.1 (6.8) | -0.1 | -0.05 | |
| 1274 | 21:38:46.48 | 57:10:07.7[r] | 1469 | 4469 | | | | 13.5[j] | | | 12.219 (23) | 11.935 (29) | 11.868 (23)[r] | | | -8.8 (4) | -3.7 (4) | -11 (6.9) | 1.1 (6.9) | 0.23 | -0.09 | |
| 1275 | 21:38:43.16 | 57:09:20.9[r] | 1470 | 4470 | | | | 13.6[j] | | | 9.177 (23) | 8.062 (49) | 7.715 (21)[r] | | | 14.2 (13) | 3 (13) | | | 0.05 | 0.29 | |
| 1276 | 21:38:47.70 | 57:07:15.7[r] | 1471 | 4471 | | | | 13.4[j] | | | 11.601 (26) | 11.269 (31) | 11.141 (23)[r] | | | -25 (4) | 7.2 (4) | -80.6 (7.1) | 28 (7.1) | -0.04 | -0.22 | |
| 1277 | 21:38:52.45 | 57:07:54.7[r] | 1472 | 4472 | | | | 13.5[j] | | | 11.981 (22) | 11.666 (29) | 11.539 (25)[r] | | | -2.4 (4) | 2.5 (4) | 0.5 (6.9) | 9.5 (6.9) | -0.29 | 0.25 | |
| 1278 | 21:38:56.66 | 57:09:07.4[r] | 1473 | 4473 | | | | 14.2[j] | | | 12.405 (34) | 12.048 (45) | 11.922 (35)[r] | | | 6.2 (4) | 5 (4) | -20 (6.9) | 16.1 (6.9) | -2.42 | 1.15 | |
| 1279 | 21:39:43.29 | 56:54:19.7[r] | 1474 | 4474 | | | | 13.1[j] | | | 10.507 (26) | 9.762 (28) | 9.574 (20)[r] | | | -0.1 (5.2) | 0.2 (5.2) | -2.8 (7) | 2.6 (7.1) | -0.13 | 0.2 | |
| 1280 | 21:39:47.99 | 56:54:49.5[r] | 1475 | 4475 | | | | 13.7[j] | | | 10.854 (24) | 10.156 (27) | 10.005 (19)[r] | | | -2.9 (4.1) | -4 (4.1) | -8.5 (6.9) | -1.8 (6.9) | 0.56 | -0.18 | new coordinates |
| 1281 | 21:39:32.64 | 56:55:12.9[r] | 1476 | 4476 | | | | 13.2[j] | | | 10.433 (26) | 9.685 (28) | 9.525 (22)[r] | | | 0.2 (5.2) | -4.1 (5.2) | -28.5 (7) | -2.9 (7) | 0.12 | -0.15 | |
| 1282 | 21:40:00.84 | 56:54:48.6[r] | 1477 | 4477 | | | | 12.1[j] | | | 11.269 (26) | 11.094 (28) | 11.015 (22)[r] | | | -8.3 (2.7) | -4.3 (2.7) | -6.9 (0.9) | -5.4 (0.9) | 0.46 | -0.1 | |
| 1283 | 21:40:10.11 | 56:54:36.7[r] | 1478 | 4478 | | | | 11.9[j] | | | 11.160 (24) | 11.004 (30) | 10.903 (20)[r] | | | -5.2 (4.1) | 1 (4.1) | -4 (1.1) | -3.7 (1.3) | 0.31 | 0.07 | |
| 1284 | 21:40:11.63 | 56:55:12.4[r] | 1479 | 4479 | | | | 12.7[j] | | | 11.406 (24) | 11.132 (27) | 10.999 (18)[r] | | | -3.4 (4.1) | 1.6 (4.1) | -2.1 (2.3) | -0.3 (1.9) | -0.31 | 0.66 | |
| 1285 | 21:40:06.84 | 56:55:34.8[r] | 1480 | 4480 | | | | 13.1[j] | | | 11.579 (26) | 11.224 (31) | 11.102 (25)[r] | | | 15.6 (4.1) | 0.1 (4.1) | 21.7 (7) | 4 (7) | -1.23 | -0.16 | |
| 1286 | 21:40:09.77 | 56:56:11.1[r] | 1481 | 4481 | | | | 13.6[j] | | | 11.898 (24) | 11.526 (28) | 11.436 (23)[r] | | | -6.2 (4.1) | -1.2 (4.1) | -6.9 (6.9) | 3 (7) | 0.22 | 0.52 | |
| 1287 | 21:40:20.52 | 56:55:07.5[r] | 1482 | 4482 | | | | 11.5[j] | | | 11.053 (26) | 10.987 (32) | 10.875 (18)[r] | | | -3.7 (1.7) | -9.6 (1.7) | -6.4 (1) | -3.8 (1.4) | 0.68 | 0.34 | |
| 1288 | 21:39:22.82 | 56:56:48.4[r] | 1483 | 4483 | | | | 12.7[j] | | | 14.850 (46) | 9.856 () | 9.238 ()[r] | | | -2.6 (5.1) | -3.2 (5.1) | -13.1 (7.2) | 5.3 (7.3) | 0.47 | 0.1 | 2x[r] (faint) |
| 1289 | 21:39:22.15 | 56:56:48.7[r] | 1483 | 4483 | | | | 12.7[j] | | | 8.299 (19) | 7.265 (33) | 6.880 (27)[r] | | | -2.6 (5.1) | -3.2 (5.1) | -13.1 (7.2) | 5.3 (7.3) | 0.47 | 0.1 | 2x[r] |
| 1290 | 21:39:34.95 | 56:57:17.1[r] | 1484 | 4484 | | | | 12.7[j] | | | 10.511 (26) | 9.880 (28) | 9.698 (20)[r] | | | 8.7 (5.2) | -4.9 (5.2) | 5.6 (7.1) | 1.1 (7.1) | -0.71 | 0 | |
| 1291 | 21:39:34.03 | 56:57:59.5[r] | 1485 | 4485 | | | | 13.5[j] | | | 12.316 (29) | 12.084 (32) | 11.923 (26)[r] | | | 4.7 (4.1) | -6.7 (4.1) | 26.7 (7.3) | -39.3 (7.3) | 0.02 | 0.09 | |
| 1292 | 21:39:08.71 | 56:59:27.9[r] | 1486 | 4486 | | | | 13.3[j] | | | 12.192 (24) | 11.992 (31) | 11.892 (23)[r] | | | 11.7 (4) | -3.7 (4) | 23.4 (6.8) | 0.1 (6.8) | -0.1 | 0.13 | |
| 1293 | 21:39:20.41 | 56:58:49.5[r] | 1487 | 4487 | | | | 12.6[j] | | | 11.272 (35) | 10.956 (43) | 10.893 (34)[r] | | | 5.5 (4) | 17.2 (4) | 0.7 (1) | -2.9 (2.4) | -0.37 | 0.05 | |
| 1294 | 21:39:30.68 | 56:59:10.5[r] | 1488 | 4488 | | | | 14.3[j] | | | 11.829 (24) | 11.414 (28) | 10.926 (20)[r] | | | -6.2 (4.1) | 0.5 (4.1) | -7.3 (6.8) | 3.6 (6.8) | 0.07 | 0.09 | |
| 1295 | 21:39:34.17 | 56:59:27.0[r] | 1489 | 4489 | | | | 12.6[j] | | | 11.132 (24) | 10.612 (30) | 10.493 (19)[r] | | | 32.7 (4.1) | -7.1 (4.1) | 35.6 (7.1) | -1.4 (7.1) | -3.78 | -0.47 | |
| 1296 | 21:39:10.02 | 57:00:04.8[r] | 1490 | 4490 | | | | 14.2[j] | | | 15.288 (117) | 14.711 (109) | 14.383 (130)[r] | | | | | -57.7 (6.8) | -0.9 (6.9) | 0.35 | -0.65 | 2x[r] (faint) |
| 1297 | 21:39:09.38 | 57:00:05.3[r] | 1490 | 4490 | | | | 14.2[j] | | | 11.177 (23) | 10.480 (30) | 10.222 (23)[r] | | | -19.3 (4) | -8 (4) | -57.7 (6.8) | -0.9 (6.9) | 0.35 | -0.65 | 2x[r] |
| 1298 | 21:39:26.15 | 57:00:09.3[r] | 1491 | 4491 | | | | 12.6[j] | | | 11.602 (21) | 11.333 (28) | 11.278 (19)[r] | | | 5.9 (2.7) | -1.6 (2.7) | -0.5 (0.8) | -4.8 (0.4) | 0.03 | -0.17 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA / Dec J2000 hh:mm:ss.ss / dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1299 | 21:39:21.84 57:00:31.7[r] | 1492 | 4492 | | | | 12.3[j] | | | 10.770 (26) | 10.547 (28) | 10.461 (25)[r] | | | | 2 (2.7) | -4.1 (2.7) | -1 (0.7) | -7.6 (0.8) | -1.05 | -0.28 | |
| 1300 | 21:39:22.14 57:00:47.6[r] | 1493 | 4493 | | | | 14[j] | | | 10.529 (23) | 9.675 (28) | 9.445 (23)[r] | | | | -1.6 (5.1) | -3.5 (5.1) | 3.3 (7) | 5.7 (7) | -0.01 | 0.19 | |
| 1301 | 21:38:59.97 57:02:52.0[r] | 1494 | 4494 | | | | 14.5[j] | | | 12.355 (23) | 12.047 (28) | 11.875 (19)[r] | | | | -2.3 (4) | 4 (4) | -4.2 (6.8) | 12.6 (6.8) | -0.36 | 0.6 | |
| 1302 | 21:39:09.41 57:02:13.4[r] | 1495 | 4495 | | | | 12.9[j] | | | 11.271 (23) | 10.872 (26) | 10.786 (20)[r] | | | | -7.1 (4) | -3.9 (4) | -11.1 (7.2) | -0.9 (7.2) | 0.38 | -0.33 | |
| 1303 | 21:39:33.01 57:01:51.3[r] | 1496 | 4496 | | | | 10.9[j] | | | 8.808 (41) | 8.262 (29) | 8.114 (21)[r] | | | | 5.4 (2.8) | -10.2 (2.8) | 1.5 (1.2) | -8.7 (0.9) | -0.03 | -0.49 | |
| 1304 | 21:39:38.37 57:02:10.2[r] | 1497 | 4497 | | | | 13.5[j] | | | 10.794 (26) | 10.095 (30) | 9.844 (20)[r] | | | | -2.3 (5.2) | -2.1 (5.2) | -13.2 (6.9) | -55.2 (7) | 0.09 | 0.67 | |
| 1305 | 21:39:50.34 57:00:58.6[r] | 1498 | 4498 | | | | 14.3[j] | | | 11.073 (24) | 10.366 (30) | 10.096 (20)[r] | | | | -3.6 (4.1) | 2.2 (4.1) | -9.1 (6.9) | 15.3 (6.9) | -0.29 | -0.21 | |
| 1306 | 21:39:54.41 57:00:43.5[r] | 1499 | 4499 | | | | 13.2[j] | | | 10.338 (24) | 9.580 (27) | 9.401 (20)[r] | | | | -1.6 (5.2) | -6.1 (5.2) | -8 (7.2) | -0.9 (7.2) | -0.1 | -0.12 | |
| 1307 | 21:40:03.02 56:59:36.8[r] | 1500 | 4500 | | | | 13.6[j] | | | 12.000 (38) | 11.648 (38) | 11.533 ()[r] | | | | 8.5 (4.1) | 1.9 (4.1) | 26.2 (7) | 4.4 (7) | -0.75 | 0.36 | |
| 1308 | 21:40:12.80 56:59:39.2[r] | 1501 | 4501 | | | | 14.3[j] | | | 11.220 (26) | 10.423 (28) | 10.259 (20)[r] | | | | -6.9 (4.1) | 2 (4.1) | -6.3 (6.9) | 7.7 (6.9) | -0.14 | 0.12 | |
| 1309 | 21:39:53.81 57:02:03.1[r] | 1502 | 4502 | | | | 14[j] | | | 12.434 (27) | 12.041 (27) | 11.962 (22)[r] | | | | -2 (4.1) | -8.8 (4.1) | -0.3 (6.9) | -10.1 (6.9) | 0.64 | -0.85 | |
| 1310 | 21:39:57.22 57:02:25.4[r] | 1503 | 4503 | | | | 13.1[j] | | | 11.814 (32) | 11.556 (43) | 11.492 (22)[r] | | | | -3.3 (5.9) | 0.9 (5.9) | | | -1.36 | 0.67 | |
| 1311 | 21:39:57.99 57:02:21.3[r] | 1504 | 4504 | | | | 13.2[j] | | | 11.858 (23) | 11.674 (27) | 11.528 (20)[r] | | | | | | | | 0.02 | 0.14 | |
| 1312 | 21:40:12.02 57:01:05.4[r] | 1505 | 4505 | | | | 14[j] | | | 9.912 (26) | 8.906 (28) | 8.605 (20)[r] | | | | -2.1 (5.1) | -3.7 (5.1) | 45.2 (7.2) | -28.8 (7.2) | -0.36 | 0.13 | |
| 1313 | 21:40:10.16 57:01:39.8[r] | 1506 | 4506 | | | | 11.9[j] | | | 10.722 (26) | 10.455 (30) | 10.307 (20)[r] | | | | -5.8 (2.7) | 17 (2.7) | -2.1 (1) | 3 (2.5) | -0.21 | 0.79 | |
| 1314 | 21:39:04.10 57:04:04.2[r] | 1507 | 4507 | | | | 12.2[j] | | | 11.239 (23) | 11.074 (29) | 11.000 (20)[r] | | | | 0.2 (4) | 5.5 (4) | 1.7 (0.8) | -0.7 (4.9) | -0.75 | 0.33 | |
| 1315 | 21:39:28.01 57:03:23.9[r] | 1508 | 4508 | | | | 14.4[j] | | | 9.700 (22) | 8.656 (26) | 8.294 (26)[r] | | | | | | | | .0.12 | 0.07 | |
| 1316 | 21:39:28.12 57:03:32.9[r] | 1509 | 4509 | | | | 13.4[j] | | | 11.403 (26) | 10.917 (32) | 10.873 (30)[r] | | | | -13.2 (4) | -20.5 (4) | | | 1.07 | -2.72 | |
| 1317 | 21:39:37.94 57:04:03.2[r] | 1510 | 4510 | | 13.91[1] | 13.42[1] | 12.56[1] | | | 10.387 (26) | 10.070 (30) | 9.921 (22)[r] | | | | -4.1 (5.1) | -1.4 (5.1) | -3.9 (1.5) | -0.7 (2.1) | -0.01 | 0.26 | |
| 1318 | 21:40:04.98 57:03:20.8[r] | 1511 | 4511 | | | | 14.3[j] | | | 12.709 (23) | 12.394 (33) | 12.311 (30)[r] | | | | -3.9 (5.9) | -2.3 (5.9) | -8.5 (6.8) | 3.9 (6.8) | 0.25 | 0.27 | |
| 1319 | 21:38:57.31 57:05:19.2[r] | 1512 | 4512 | | | | 14.4[j] | | | 12.736 (26) | 12.453 (29) | 12.462 (23)[r] | | | | -1.5 (4) | -2.6 (4) | -5.5 (6.9) | 4.3 (6.8) | -0.15 | -0.05 | |
| 1320 | 21:39:02.46 57:05:02.6[r] | 1513 | 4513 | | | | 14.2[j] | | | 12.560 (25) | 12.169 (32) | 12.097 (26)[r] | | | | -11.9 (4) | -4.5 (4) | -24.7 (6.8) | -3 (6.8) | 0.96 | -0.55 | |
| 1321 | 21:39:10.64 57:04:49.9[r] | 1514 | 4514 | | | | 14.2[j] | | | 11.002 (25) | 10.284 (26) | 10.078 (22)[r] | | | | -24.3 (18) | 15.5 (18) | -31 (7.2) | 54.4 (7.2) | -0.31 | 0.27 | |
| 1322 | 21:39:14.19 57:04:41.6[r] | 1515 | 4515 | | | | 14.5[j] | | | 12.720 (27) | 12.437 (32) | 12.294 (28)[r] | | | | | | | | -0.44 | 0.31 | near 1322 |
| 1323 | 21:39:14.15 57:04:46.1[r] | 1516 | 4516 | | | | 14.2[j] | | | 12.348 (52) | 11.990 (61) | 11.871 ()[r] | | | | -6.2 (4) | 54.5 (4) | | | 0.25 | -0.26 | near 1321 |
| 1324 | 21:39:18.52 57:05:40.1[r] | 1517 | 4517 | | | | 13.4[j] | | | 12.056 (22) | 11.717 (26) | 11.610 (22)[r] | | | | -6.4 (4) | -3.9 (4) | -15.5 (6.9) | -3.2 (6.9) | 0.01 | -0.21 | |
| 1325 | 21:38:53.70 57:06:28.8[r] | 1518 | 4518 | | | | 14.4[j] | | | 12.530 (57) | 12.211 (41) | 12.083 ()[r] | | | | -16.4 (4) | 20.8 (4) | -69.5 (7.2) | 69.7 (7.2) | -0.36 | 0.05 | 2x[r] |
| 1326 | 21:38:54.21 57:06:27.5[r] | 1518 | 4518 | | | | 14.4[j] | | | 12.949 (31) | 12.158 (50) | 11.946 (29)[r] | | | | | | | | -0.36 | 0.05 | 2x[r] |
| 1327 | 21:38:59.34 57:06:31.1[r] | 1519 | 4519 | | | | 14.6[j] | | | 12.776 () | 12.606 (61) | 12.411 ()[r] | | | | 5.2 (4) | 7.1 (4) | 21.9 (6.8) | 37.1 (6.8) | 0.11 | 0.06 | |
| 1328 | 21:39:16.71 57:07:09.4[r] | 1520 | 4520 | | | | 13.1[j] | | | 10.457 (22) | 9.746 (29) | 9.562 (25)[r] | | | | -0.6 (5.1) | -4.3 (5.1) | 67.6 (7.3) | -12 (7.3) | 0.04 | -0.31 | |
| 1329 | 21:39:11.98 57:07:28.1[r] | 1521 | 4521 | | | | 13.9[j] | | | 12.278 (25) | 11.886 (28) | 11.771 (26)[r] | | | | -15.7 (4) | -4.1 (4) | -13.5 (6.8) | -0.6 (6.8) | 0.93 | -0.4 | |
| 1330 | 21:40:00.10 57:05:26.9[r] | 1522 | 4522 | | | | 14.5[j] | | | 11.197 (21) | 10.439 (27) | 10.274 (20)[r] | | | | -6.3 (4.1) | -7.7 (4.1) | -2.8 (6.9) | 1.1 (7) | 0.43 | -0.16 | |
| 1331 | 21:40:05.08 57:06:27.1[r] | 1523 | 4523 | | | | 14.4[j] | | | 10.275 (23) | 9.252 (27) | 8.983 (20)[r] | | | | -4.2 (5.2) | -1.8 (5.2) | 9.9 (7.1) | 33.3 (7.2) | -0.13 | 0.3 | |
| 1332 | 21:39:56.32 57:07:16.1[r] | 1524 | 4524 | | | | 13.3[j] | | | 9.773 (21) | 8.998 (69) | 8.578 (20)[r] | | | | -11.3 (5.2) | 6.9 (5.2) | -59 (7.4) | 51.9 (7.5) | -0.19 | 0.44 | 2x[r] |
| 1333 | 21:39:56.77 57:07:13.0[r] | 1524 | 4524 | | | | 13.3[j] | | | 13.796 (113) | 10.597 () | 10.092 ()[r] | | | | | | | | -0.19 | 0.44 | 2x[r] (faint) |
| 1334 | 21:39:49.55 57:07:39.3[r] | 1525 | 4525 | | | | 14.5[j] | | | 12.625 (21) | 12.353 (28) | 12.207 (26)[r] | | | | 10.5 (4.1) | 2.3 (4.1) | 12.4 (6.9) | 6.9 (6.8) | -1.04 | 0.39 | |
| 1335 | 21:39:21.44 57:08:30.5[r] | 1526 | 4526 | | | | 14.6[j] | | | 12.812 (25) | 12.514 (32) | 12.400 (28)[r] | | | | -6.9 (4) | 0.7 (4) | -1.2 (6.8) | -5.9 (6.8) | 0.65 | -0.02 | |
| 1336 | 21:39:06.86 57:09:24.9[j] | 1527 | 4527 | | | | 14.6[j] | | | | | | | | | | | | | | | no star |
| 1337 | 21:39:02.80 57:10:08.7[r] | 1528 | 4528 | | | | 14.8[j] | | | 10.345 (23) | 9.272 (29) | 8.975 (23)[r] | | | | -14 (5.1) | 6.8 (5.1) | -56.3 (6.9) | 59.7 (6.9) | | | |
| 1338 | 21:39:18.25 57:09:45.4[r] | 1529 | 176 | | | | 10.5[j] | | | 9.536 (22) | 9.346 (26) | 9.332 (23)[r] | F0[q] | | | -0.8 (1.6) | -14.4 (1.6) | 4.1 (0.9) | -12.7 (0.6) | -0.53 | -0.95 | |
| 1339 | 21:39:33.90 57:08:45.5[r] | 1530 | 4530 | | | | 14.3[j] | | | 13.124 (23) | 12.992 (30) | 12.888 (25)[r] | | | | -1.6 (4.1) | -0.3 (4.1) | -0.4 (6.8) | 6.1 (6.7) | 0.16 | 0.17 | |
| 1340 | 21:39:27.23 57:09:37.6[r] | 1531 | 4531 | | | | 13.3[j] | | | 11.851 (22) | 11.528 (29) | 11.463 (23)[r] | | | | 8.7 (4) | 3.6 (4) | 14.1 (6.9) | 7.6 (6.9) | -1.2 | 0.77 | |
| 1341 | 21:39:23.17 57:10:13.0[r] | 1532 | 4532 | | | | 12.5[j] | | | 11.243 (23) | 10.818 (29) | 10.744 (23)[r] | | | | -18.3 (4) | 11 (4) | -18.2 (0.5) | 2.8 (4.1) | 1.3 | 0.76 | |
| 1342 | 21:39:50.14 57:08:24.1[r] | 1533 | 4533 | | | | 13.2[j] | | | 11.915 (23) | 11.611 (28) | 11.554 (23)[r] | | | | 2.5 (4.1) | -1 (4.1) | -1.8 (7) | 3.8 (7) | -0.37 | -0.65 | |
| 1343 | 21:39:47.93 57:09:52.3[r] | 1534 | 4534 | | | | 13.5[j] | | | 12.102 (23) | 11.822 (31) | 11.725 (23)[r] | | | | -1.7 (4.1) | 4.7 (4.1) | -4.7 (7) | 14.2 (7) | 0.12 | 0.02 | |
| 1344 | 21:39:46.62 57:10:33.7[r] | 1535 | 179 | | | | 11.6[j] | | | 10.880 (23) | 10.778 (30) | 10.690 (22)[r] | A0[q] | | | -6 (1.7) | -1.5 (1.7) | -5.3 (1.1) | -3.6 (1.1) | 0.36 | -0.05 | |
| 1345 | 21:40:01.51 57:09:28.9[j] | 1536 | 4536 | | | | 14.1[j] | | | | | | | | | | | | | | | no star |
| 1346 | 21:39:55.97 57:10:50.4[r] | 1537 | 181 | | | | 11.3[j] | | | 10.365 (21) | 10.118 (27) | 10.065 (20)[r] | G2[q] | | | 16.1 (1.7) | 25.5 (1.7) | 12.6 (0.9) | 26.1 (0.6) | -1.64 | 3.19 | |
| 1347 | 21:39:49.65 57:11:11.5[r] | 1538 | 4538 | | | | 13.5[j] | | | 12.097 (21) | 11.837 (30) | 11.703 (22)[r] | | | | 10.7 (4.1) | 5.9 (4.1) | 11.2 (6.9) | 18.1 (6.9) | -1.46 | 0.92 | |
| 1348 | 21:40:19.25 57:10:59.5[r] | 1539 | 182 | | | | 12[j] | | | 9.754 (26) | 9.183 (31) | 8.982 (19)[r] | gK2[q] | | | -11.1 (5.1) | -8.3 (5.1) | -3.2 (7.8) | -1.5 (7.8) | 0.32 | -0.29 | |
| 1349 | 21:40:33.27 57:05:40.4[r] | 1540 | 4540 | | | | 12[j] | | | 9.662 (26) | 9.040 (31) | 8.836 (24)[r] | | | | -42.6 (8.2) | 38 (8.2) | 5.6 (1) | 17.3 (2.6) | -1.09 | 2.18 | |
| 1350 | 21:40:36.55 57:01:34.9[r] | 1541 | 4541 | | | | 13.8[j] | | | 11.074 (27) | 10.429 (35) | 10.190 (23)[r] | | | | -28.5 (12.7) | -16.6 (12.7) | -28.4 (7.2) | -56.4 (7.2) | -0.1 | -0.23 | |
| 1351 | 21:40:28.94 57:12:42.5[r] | 1542 | 4542 | | | | 13.5[j] | | | 12.000 (24) | 11.769 (30) | 11.656 (24)[r] | | | | -6.1 (4.1) | -4.2 (4.1) | -24.7 (6.6) | 1.3 (6.6) | -0.06 | 0.1 | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ PPMXL mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ UCAC3 mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ [j] mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1352 | 21:40:29.59 | 57:13:09.1[r] | 1543 | 4543 | | | | 13.8[j] | | | 12.299 (29) | 12.029 (33) | 11.911 (24)[r] | | | -23.8 (5.4) | -6.4 (5.4) | | | 0.62 | -0.21 | |
| 1353 | 21:40:30.34 | 57:13:26.3[r] | 1544 | 185 | | | 11.5[f] | 11[e] | | | 9.821 (24) | 9.735 (31) | 9.625 (23)[r] | A1[e] | 1.5[e] | 3.6 (1.7) | -2.7 (1.6) | 6.2 (0.5) | 1.4 (0.6) | -0.98 | 0.78 | |
| 1354 | 21:40:29.54 | 57:17:21.6[r] | 1545 | 4545 | | | | 12.6[j] | | | 11.393 (26) | 10.990 (30) | 10.907 (21)[r] | | | 24.2 (5.4) | 24.4 (5.4) | 22.1 (7.4) | 31.4 (7.4) | -3.53 | 2.26 | |
| 1355 | 21:40:46.92 | 57:00:54.0[r] | 1546 | 4546 | | | | 13.4[j] | | | 10.896 (24) | 10.299 (31) | 10.107 (21)[r] | | | -6.9 (4.1) | -1.7 (4.1) | -4.9 (7) | 5.7 (7) | 0.07 | -0.07 | |
| 1356 | 21:40:54.57 | 57:00:45.1[r] | 1547 | 4547 | | | | 12.3[j] | | | 11.024 (26) | 10.718 (31) | 10.642 (23)[r] | | | -16.8 (5.8) | -20.5 (5.8) | -2.1 (1.2) | -10.2 (0.6) | -0.09 | -1.11 | |
| 1357 | 21:40:48.14 | 57:04:30.9[r] | 1549 | 4549 | | | | 13.8[j] | | | 12.611 (26) | 12.453 (32) | 12.329 (28)[r] | | | -5.6 (4.1) | 0.2 (4.1) | -3.7 (6.9) | 7.7 (6.9) | -0.19 | 0.26 | |
| 1358 | 21:40:48.43 | 57:04:56.0[r] | 1550 | 4550 | | | | 12.4[j] | | | 9.716 (24) | 9.077 (30) | 8.819 (19)[r] | | | -7.8 (5.1) | -2.9 (5.1) | -0.6 (7.4) | 2.1 (7.4) | 0.01 | -0.03 | |
| 1359 | 21:41:00.06 | 57:04:00.4[r] | 1551 | 4551 | | | | 11[j] | | | 8.788 (18) | 8.368 (29) | 8.071 (21)[r] | | | -7.2 (2) | -4.8 (2) | -5.1 (0.5) | -3.5 (0.8) | 0.29 | 0.04 | |
| 1360 | 21:41:00.48 | 57:03:51.2[r] | 1552 | 4552 | | | | 14.3[j] | | | 12.645 (34) | 12.300 (36) | 12.192 (35)[r] | | | | | | | 0.32 | 0.19 | |
| 1361 | 21:41:05.67 | 57:02:20.4[r] | 1553 | 4553 | | | | 14.4[j] | | | 12.745 (39) | 12.434 (40) | 12.332 (37)[r] | | | -21.7 (4.1) | 1.9 (4.1) | -41.1 (6.8) | 23.9 (6.8) | 0.1 | 0.09 | |
| 1362 | 21:41:18.15 | 57:02:07.1[r] | 1554 | 4554 | | | | 14.2[j] | | | 12.789 (24) | 12.487 (27) | 12.441 (26)[r] | | | -3.9 (4.1) | -2 (4.1) | -3.3 (6.8) | 6.1 (6.8) | -0.06 | -0.04 | |
| 1363 | 21:41:21.11 | 57:03:25.1[r] | 1556 | 4556 | | | | 10.2[j] | | | 5.477 (21) | 4.741 () | 4.277 (33)[r] | | | -11.5 (2) | -3.9 (2) | -7.6 (1.5) | -6.1 (0.8) | 0.81 | -31 | |
| 1364 | 21:41:29.90 | 57:02:51.5[r] | 1557 | 4557 | | | | 11.7[j] | | | 10.867 (24) | 10.673 (28) | 10.676 (23)[r] | | | -15 (2) | -1 (2) | -9.4 (0.6) | -6.7 (1.6) | 0.7 | -0.29 | |
| 1365 | 21:41:02.67 | 57:05:01.7[r] | 1558 | 4558 | | | | 13.4[j] | | | 12.075 (24) | 11.866 (32) | 11.749 (21)[r] | | | -6.1 (4.1) | -4.3 (4.1) | -3.1 (6.9) | 6.4 (6.9) | 0.47 | -0.02 | |
| 1366 | 21:40:49.42 | 57:06:00.8[r] | 1559 | 4559 | | | | 13.8[j] | | | 12.689 (27) | 12.521 (36) | 12.424 (30)[r] | | | -10.9 (8.6) | -0.4 (8.6) | -21.5 (7) | 18.7 (7) | -0.01 | 035 | |
| 1367 | 21:41:22.98 | 57:06:32.1[r] | 1560 | 4560 | | | | 14.6[j] | | | 12.524 (29) | 12.019 (36) | 11.846 (28)[r] | | | -5.7 (4.1) | -0.6 (4.1) | -7.2 (6.8) | 15.8 (6.8) | -0.05 | 0.32 | |
| 1368 | 21:40:56.13 | 57:08:17.0[r] | 1561 | 4561 | | | | 14.4[j] | | | 12.775 (27) | 12.516 (33) | 12.361 (26)[r] | | | -3.2 (4.1) | -10.6 (4.1) | 19.8 (6.7) | -35 (6.8) | -0.64 | 0.01 | |
| 1369 | 21:40:48.45 | 57:09:05.3[r] | 1562 | 4562 | | | | 14.6[j] | | | 12.913 (24) | 12.642 (32) | 12.516 (23)[r] | | | -6.5 (4.1) | -3.9 (4.1) | -4.2 (6.8) | 3.5 (6.8) | 0.1 | -0.56 | |
| 1370 | 21:41:01.56 | 57:08:18.7[r] | 1563 | 188 | | | | 8.9[j] | | | 6.923 (23) | 6.390 (38) | 6.333 (17)[r] | G8[q] | | 17.5 (1.3) | 33.8 (1.3) | 19.1 (0.6) | 33.6 (0.6) | -2.3 | 3.97 | |
| 1371 | 21:41:17.70 | 57:07:24.8[r] | 1564 | 4564 | | | | 12.6[j] | | | 11.961 (26) | 11.826 (32) | 11.728 (23)[r] | | | -4.4 (4.1) | 1.1 (4.1) | -0.1 (7.3) | 6.6 (7.2) | -0.14 | -0.14 | |
| 1372 | 21:41:01.31 | 57:09:23.2[r] | 1565 | 4565 | | | | 13.6[j] | | | 10.444 (24) | 9.669 (29) | 9.416 (21)[r] | | | -6.3 (5.1) | -2.9 (5.1) | -6.8 (7.1) | 6.9 (7.1) | 0.16 | 0.03 | |
| 1373 | 21:41:21.93 | 57:08:10.1[r] | 1566 | 4566 | | | | 12.8[j] | | | 10.569 (26) | 9.989 (32) | 9.786 (23)[r] | | | -17.4 (5.1) | -9.6 (5.1) | -47.8 (7.4) | 9.6 (7.4) | 1.18 | -0.58 | |
| 1374 | 21:44:04.08 | 57:05:39.0[r] | 1567 | 4567 | | | | 11.3[j] | | | 10.696 (26) | 10.568 (31) | 10.433 (18)[r] | | | -3.8 (2) | -6.3 (2) | -3.7 (0.8) | -5.6 (0.7) | 0.25 | -0.06 | |
| 1375 | 21:41:47.33 | 57:04:40.6[r] | 1568 | 4568 | | | | 13.9[j] | | | 10.834 (26) | 10.070 (27) | 9.840 (21)[r] | | | 5.2 (5.1) | 2.2 (5.1) | 10.6 (7) | 15.3 (7) | -0.63 | 0.28 | |
| 1376 | 21:41:48.33 | 57:02:47.2[r] | 1569 | 4569 | | | | 14.1[j] | | | 12.367 (29) | 12.000 (30) | 11.900 (23)[r] | | | -4.2 (4.1) | -12.9 (4.1) | -3.5 (6.9) | -19.3 (6.9) | -0.49 | -0.14 | |
| 1377 | 21:41:47.71 | 57:07:26.3[r] | 1571 | 4571 | | | | 14.3[j] | | | 12.754 (27) | 12.596 (35) | 12.528 (26)[r] | | | -5.6 (4.1) | 0.4 (4.1) | -0.3 (6.8) | 11.1 (6.9) | -0.15 | 0.07 | |
| 1378 | 21:41:44.18 | 57:08:09.4[r] | 1572 | 4572 | | | | 13.3[j] | | | 12.255 (24) | 12.142 (35) | 12.001 (24)[r] | | | 2.9 (4.1) | -3.4 (4.1) | 39.9 (7.1) | -3 (7.1) | 0.26 | 0.05 | |
| 1379 | 21:41:42.04 | 57:08:41.6[r] | 1573 | 4573 | | | | 12.8[j] | | | 11.327 (36) | 10.936 (44) | 10.800 (36)[r] | | | -23.1 (4.1) | -0.7 (4.1) | -28.9 (7.6) | 59.9 (7.6) | 2.12 | -1.62 | |
| 1380 | 21:41:39.26 | 57:09:44.2[r] | 1574 | 4574 | | | | 14.11[j] | | | 12.864 (27) | 12.628 (36) | 12.541 (24)[r] | | | -4.8 (4.1) | 1.7 (4.1) | 3.4 (6.8) | 4.2 (6.9) | -0.18 | -0.04 | |
| 1381 | 21:40:46.56 | 57:10:48.5[r] | 1575 | 4575 | | | | 14.2[j] | | | 12.512 (31) | 12.234 (38) | 12.122 (30)[r] | | | 17.2 (4.1) | 0.3 (4.1) | 47.9 (6.9) | 33.8 (6.9) | -0.3 | 0.13 | |
| 1382 | 21:41:41.06 | 57:10:44.0[r] | 1576 | 4576 | | | | 14.1[j] | | | 12.649 (24) | 12.515 (33) | 12.333 (24)[r] | | | -2.4 (4.1) | 2.5 (4.1) | 2.9 (6.9) | 9.3 (6.9) | -0.15 | 0.27 | |
| 1383 | 21:41:33.06 | 57:11:45.3[r] | 1577 | 4577 | | | | 13.8[j] | | | 10.629 (26) | 9.923 (31) | 9.619 (21)[r] | | | 3.9 (5.1) | 2.7 (5.1) | 3.9 (7) | 16 (7.1) | -0.67 | 0.56 | |
| 1384 | 21:41:39.17 | 57:11:33.3[r] | 1578 | 4578 | | | | 12.7[j] | | | 11.456 (26) | 11.219 (31) | 11.098 (23)[r] | | | 0.7 (4.1) | -1.8 (4.1) | 8.6 (7.2) | 5.5 (7.2) | -0.53 | 0.35 | |
| 1385 | 21:42:10.19 | 57:03:20.3[r] | 1579 | 4579 | | | | 11[j] | | | 9.979 (24) | 9.666 (31) | 9.609 (22)[r] | | | | | | | 1.86 | -3.12 | |
| 1386 | 21:42:03.86 | 57:07:59.8[r] | 1580 | 4580 | | | | 12.2[j] | | | 10.674 (26) | 10.340 (32) | 10.174 (22)[r] | | | 6.6 (6.3) | -14.3 (6.3) | -19.6 (7.7) | -1.5 (7.7) | 0.72 | -0.15 | |
| 1387 | 21:42:12.63 | 57:08:03.2[r] | 1581 | 4581 | | | | 14.2[j] | | | 12.238 (29) | 11.852 (32) | 11.694 (23)[r] | | | -2 (4.1) | -4.5 (4.1) | 4.7 (7) | -17.5 (7) | -0.21 | -0.06 | |
| 1388 | 21:42:21.73 | 57:05:07.9[r] | 1582 | 201 | | | | 10.7[j] | | | 10.187 (26) | 10.112 (32) | 10.054 (22)[r] | B8[q] | | -1.3 (1.3) | -6.9 (1.5) | -2.7 (0.9) | -5 (0.9) | 0.6 | 0 | |
| 1389 | 21:42:45.35 | 57:01:12.7[r] | 1583 | 4583 | | | | 13.3[j] | | | 11.526 (27) | 10.944 (30) | 10.889 (21)[r] | | | -69 (4.1) | -9.5 (4.1) | -61 (7.1) | -0.1 (7.1) | | | |
| 1390 | 21:42:46.76 | 57:01:47.4[r] | 1584 | 204 | | 9.06[l] | 9.62[l] | 9.41[l] | | | 10.206 (26) | 9.983 (32) | 9.893 (19)[r] | B2[p] V[p] | | 11.3 (2) | 3.5 (2) | 8.4 (1.1) | 4.1 (1.5) | -0.78 | 1.11 | [m] HIP# wrong |
| 1391 | 21:42:46.69 | 57:01:59.3[r] | 1585 | 4585 | | | | 11.8[j] | | | 10.779 (27) | 10.524 (32) | 10.414 (19)[r] | | | 10.9 (12.8) | 28.9 (12.8) | 5.4 (1.6) | 4.7 (1.4) | -1.01 | 0.96 | |
| 1392 | 21:42:35.91 | 57:03:34.9[r] | 1586 | 4586 | | | | 14.2[j] | | | 10.936 (26) | 10.171 (31) | 9.962 (19)[r] | | | -8.4 (5.1) | -7.1 (5.1) | -4.3 (7) | 4.5 (7) | 0.65 | -0.17 | |
| 1393 | 21:42:21.88 | 57:05:27.5[r] | 1587 | 4587 | | | | 14[j] | | | 12.157 (24) | 11.871 (33) | 11.667 (25)[r] | | | -2.6 (4.1) | -1.3 (4.1) | 7.7 (6.7) | 1.4 (6.7) | 0.35 | 0.17 | |
| 1394 | 21:42:36.29 | 57:05:13.7[r] | 1588 | 4588 | | | | 14.4[j] | | | 11.341 (26) | 10.641 (34) | 10.418 (22)[r] | | | -4.9 (4.1) | -8.2 (4.1) | 1.1 (6.9) | 5.1 (6.9) | 0.29 | -0.53 | |
| 1395 | 21:42:20.12 | 57:05:59.0[r] | 1589 | 199 | | | | 11.7[j] | | | 10.626 (26) | 10.452 (31) | 10.324 (22)[r] | A5[q] | | -1.4 (2.7) | 1 (2.7) | -1.1 (0.7) | 0.1 (1.2) | -0.09 | 0.43 | |
| 1396 | 21:42:23.80 | 57:08:56.8[r] | 1590 | 4590 | | | | 14.3[j] | | | 12.583 (26) | 12.376 (37) | 12.228 (26)[r] | | | -6.8 (4.1) | -3.9 (4.1) | -1.2 (6.8) | 6.5 (6.8) | 0.45 | -0.58 | |
| 1397 | 21:42:19.89 | 57:09:27.6[r] | 1591 | 4591 | | | | 12.7[j] | | | 11.638 (26) | 11.443 (31) | 11.328 (23)[r] | | | -4.2 (4.1) | 2.3 (4.1) | -2.4 (0.6) | -0.1 (3.5) | -0.19 | 0.07 | |
| 1398 | 21:42:12.89 | 57:10:18.1[r] | 1592 | 4592 | | | | 14.2[j] | | | 12.342 (26) | 11.978 (30) | 11.857 (22)[r] | | | 6.2 (4.1) | -0.7 (4.1) | 10.5 (6.9) | 9.4 (6.9) | -1.18 | -0.03 | |
| 1399 | 21:42:00.00 | 57:11:01.3[r] | 1593 | 4593 | | | | 14.7[j] | | | 12.996 (24) | 12.749 (29) | 12.624 (26)[r] | | | -7.1 (4.1) | -5.5 (4.1) | -2.8 (7) | 5.2 (7) | | | |
| 1400 | 21:42:08.07 | 57:11:21.3[r] | 1594 | 4594 | | | | 14.9[j] | | | 13.067 (27) | 12.731 (33) | 12.573 (26)[r] | | | -10 (4.1) | -4.4 (4.1) | -2.2 (7) | -2 (7) | | | |
| 1401 | 21:42:20.11 | 57:10:14.4[r] | 1595 | 4595 | | | | 14.3[j] | | | 12.400 (31) | 12.028 (35) | 11.866 (26)[r] | | | -6.4 (4.1) | -20.1 (4.1) | 2.7 (7) | -51 (7) | 0.94 | -0.77 | |
| 1402 | 21:42:20.12 | 57:10:32.2[r] | 1596 | 4596 | | | | 14.4[j] | | | 9.117 (26) | 7.923 (36) | 7.529 (20)[r] | | | -2.5 (5.1) | -4.6 (5.1) | 9.7 (7.1) | 15.5 (7.1) | -0.16 | 0.15 | |
| 1403 | 21:42:51.81 | 57:09:17.9[r] | 1597 | 4597 | | | | 13.5[j] | | | 11.829 (27) | 11.476 (32) | 11.404 (21)[r] | | | -1 (4.1) | -5 (4.1) | 7.8 (7) | 2.7 (7) | 0 | -0.25 | |
| 1404 | 21:42:48.26 | 57:09:47.2[r] | 1598 | 4598 | | | | 13.8[j] | | | 10.652 (27) | 9.874 (29) | 9.692 (21)[r] | | | -6.7 (5.1) | -2 (5.1) | 3.1 (7) | 13.6 (7) | 0.31 | -0.34 | |

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ PPMXL | $\mu_\alpha$ UCAC3 | $\mu_\delta$ UCAC3 | $\mu_\alpha$ MVA [j] | $\mu_\delta$ MVA [j] | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1405 | 21:42:48.38 | 57:10:11.4$^r$ | 1599 | 4599 | | | | 14.2$^j$ | | | 11.057(29) | 10.399(31) | 10.208(19)$^r$ | | | | -6.7(4.1) | -5.5(4.1) | -8.2(6.9) | 1.6(6.9) | 0.01 | -0.11 | |
| 1406 | 21:42:47.86 | 57:10:38.6$^r$ | 1600 | 4600 | | | | 13.1$^j$ | | | 10.579(27) | 9.895(31) | 9.758(21)$^r$ | | | | 3.7(5.6) | -13.2(5.1) | -52.5(6.9) | 18(7) | | | |
| 1407 | 21:37:08.44 | 57:22:48.4$^r$ | | | 11-1067 | | | 18.07$^e$ | 16.92 | 15.7$^e$ | 14.402(35) | 13.614(37) | 13.475(48)$^r$ | M0.5$^c$ | | 1.2$^e$ | -7.1(4.1) | 5(4.1) | | | | | |
| 1408 | 21:37:30.61 | 57:23:17.4$^r$ | | 4615 | 11-1180 | | | 18.86$^f$ | 17.7 | 16.52$^f$ | 14.900(51) | 14.078(55) | 13.796(67)$^r$ | G-K$^f$ | | | -8.8(4.1) | -16.7(4.1) | | | | | |
| 1409 | 21:37:44.87 | 57:24:13.5$^r$ | | | 11-1384 | | | 17.13$^e$ | 16.03 | 14.9$^e$ | 13.351(30) | 12.593(34) | 12.387(29)$^r$ | K6.5$^c$ | | 1.7$^e$ | -4.2(4.1) | -14.6(4.1) | 4.8(8.7) | -20.7(7.4) | | | |
| 1410 | 21:37:01.40 | 57:24:45.9$^r$ | | | 11-1499 | | | 17.23$^e$ | 16.19 | 14.85$^e$ | 13.305(40) | 12.459(55) | 12.206(55)$^r$ | M1.5$^c$ | | 0.6$^e$ | -14.2(4.1) | -16.9(4.1) | | | | | |
| 1411 | 21:37:11.84 | 57:24:48.7$^r$ | | | 11-1513 | | | 17.17$^e$ | 15.98 | 14.76$^e$ | 13.162(29) | 12.348(30) | 12.145(28)$^r$ | K7.5$^c$ | | 1.8$^e$ | 4.1(4.1) | -2.2(4.1) | -3(9.7) | -12.4(8.5) | | | |
| 1412 | 21:37:00.89 | 57:25:22.4$^r$ | | | 11-1659 | | | 17.24$^e$ | 16.16 | 15.12$^e$ | 13.611(42) | 12.844(44) | 12.656(39)$^r$ | K5$^f$ | | 1.9$^e$ | 6.4(4.1) | -1.4(4.1) | | | | | |
| 1413 | 21:37:41.14 | 57:25:40.6$^r$ | | 4618 | 11-1721 | | | 17.5$^f$ | 16.35 | 15.22$^f$ | 13.446(29) | 12.572(31) | 12.310(31)$^r$ | K5$^f$ | | 1.98$^f$ | -6.3(4.1) | -2.4(4.1) | | | | | |
| 1414 | 21:37:34.20 | 57:26:15.4$^r$ | | 4616 | 11-1864 | | | 17.55$^e$ | 16.47 | 15.44$^e$ | 14.065() | 13.686(70) | 13.198()$^r$ | G-K$^c$ | | 1.7$^e$ | -6.5(4.1) | 7(4.1) | | | | | SB1$^c$, *JHK* in [f] different |
| 1415 | 21:37:02.55 | 57:26:14.5$^r$ | | | 11-1871 | | | 18.15$^e$ | 17.08 | 15.68$^e$ | 14.074(46) | 13.331(44) | 13.129(45)$^r$ | M2$^c$ | | 0.8$^e$ | 52.7(5.5) | -14.9(5.5) | | | | | |
| 1416 | 21:37:15.92 | 57:26:59.2$^r$ | | 4610 | 11-2031 | 18.08$^f$ | | 15.48$^e$ | 14.58 | 13.69$^e$ | 12.499(25) | 11.534(28) | 10.856(20)$^r$ | K2$^c$ | | 1.7$^e$ | -0.8(4.1) | -4.3(4.1) | -7.3(7.1) | 4.9(7) | | | *JHK* in [f] slightly different |
| 1417 | 21:37:07.03 | 57:27:00.8$^r$ | | 4606 | 11-2037 | 18.12$^f$ | | 16.03$^e$ | 15.08 | 14.12$^e$ | 12.649(26) | 11.752(27) | 11.258(20)$^r$ | K4.5$^c$ | | 1.6$^e$ | -3.5(4.1) | -3.3(4.1) | -0.5(8.6) | -0.1(8.3) | | | |
| 1418 | 21:37:12.16 | 57:27:26.2$^r$ | | 4609 | 11-2131 | 19.82$^f$ | | 17.72$^e$ | 16.43 | 15.25$^e$ | 13.393(27) | 12.214(31) | 11.523(25)$^r$ | K6.5$^c$ | | 2.3$^e$ | -3.2(4.1) | -0.7(4.1) | 2.6(12.5) | -11.8(12.7) | | | |
| 1419 | 21:36:57.67 | 57:27:33.1$^r$ | | 4602 | 11-2146 | 18.16$^f$ | | 16.92$^e$ | 15.69 | 14.41$^e$ | 12.442() | 11.327(32) | 10.640(25)$^r$ | K6$^c$ | | 2.6$^e$ | -1(4.1) | -5.7(4.1) | 8.2(7.5) | 21.2(7.4) | | | |
| 1420 | 21:37:45.21 | 57:28:17.4$^r$ | | 4620 | 11-2318 | | | 18$^e$ | 16.86 | 15.66$^e$ | 14.176(35) | 13.248(36) | 13.005(37)$^r$ | M0.0$^e$ | | 1.1$^e$ | 1.6(4.1) | -8.8(4.1) | | | | | |
| 1421 | 21:37:01.92 | 57:28:22.3$^r$ | | 4604 | 11-2322 | 18.69$^f$ | | 16.69$^e$ | 15.59 | 14.39$^e$ | 12.854(29) | 11.969(33) | 11.560(25)$^r$ | M1$^c$ | | 0.9$^e$ | -4.3(3.9) | 6(3.9) | | | | | |
| 1422 | 21:37:14.50 | 57:28:40.9$^r$ | | | 11-2397 | | | 18.54$^e$ | 17.48 | 16.34$^e$ | 14.511(39) | 13.559(41) | 12.954(34)$^r$ | K7.0$^e$ | | 1.2$^e$ | -6(3.9) | -12.2(3.9) | | | | | |
| 1423 | 21:37:14.98 | 57:29:12.3$^r$ | | | 11-2487 | | | 17.61$^e$ | 16.48 | 15.27$^e$ | 13.726(32) | 12.946(33) | 12.734(35)$^r$ | K7$^c$ | | 1.9$^e$ | -7.3(3.9) | 1.3(3.9) | | | | | |
| 1424 | 21:37:28.05 | 57:29:15.6$^r$ | | | 11-2503 | | | 18.07$^e$ | 16.69 | 15.22$^e$ | 13.440(27) | 12.556(33) | 12.329(29)$^r$ | M0.0$^e$ | | 2.3$^e$ | -12.3(3.8) | -9.1(3.8) | | | | | |
| 1425 | 21:37:45.14 | 57:19:42.4$^r$ | | 4619 | 11-383 | | | 17.61$^e$ | 16.49 | 15.35$^e$ | 13.903(26) | 12.971(33) | 12.582(26)$^r$ | K5$^c$ | | 0.8$^e$ | -7.2(4.1) | -2.5(4.1) | | | | | |
| 1426 | 21:37:28.29 | 57:20:32.6$^r$ | | 4612 | 11-581 | 19.96$^f$ | | 16.73$^e$ | 15.63 | 14.6$^e$ | 13.095(44) | 12.332(45) | 12.104(39)$^r$ | G$^e$ | | 1.5$^e$ | -23.1(4.1) | -35.5(4.1) | | | | | |
| 1427 | 21:38:17.50 | 57:22:30.8$^r$ | | | 12-1009 | | | 16.17$^e$ | 15.34 | 14.39$^e$ | 13.119(45) | 12.361(43) | 12.130(37)$^r$ | K5.5$^c$ | | 0.9$^e$ | 29.8(5.4) | -13.9(5.4) | | | | | |
| 1428 | 21:38:50.29 | 57:22:28.3$^r$ | | | 12-1010 | | | 18.19$^e$ | 17.19 | 15.95$^e$ | 14.372(40) | 13.507() | 13.076()$^r$ | M2$^c$ | | 0.3$^e$ | -1.3(4) | -20.3(4) | | | | | |
| 1429 | 21:38:15.09 | 57:21:55.5$^r$ | | | 12-1017 | | | 16.83$^e$ | 15.82 | 14.84$^e$ | 13.283() | 12.654() | 12.554(28)$^r$ | K5.5$^c$ | | 1.4$^e$ | -19.3(5.4) | -0.9(5.4) | | | | | |
| 1430 | 21:39:03.19 | 57:22:31.8$^r$ | | 4641 | 12-1027 | | | 18.58$^e$ | 17.51 | 15.95$^e$ | 14.249(41) | 13.561(48) | 13.308(40)$^r$ | M0$^c$ | | 1.3$^e$ | -6.1(5.4) | -9.9(5.4) | | | | | |
| 1431 | 21:38:05.94 | 57:22:43.9$^r$ | | 4627 | 12-1081 | | | 18.35$^e$ | 17.15 | 15.95$^e$ | 14.354(35) | 13.533(33) | 13.271(31)$^r$ | M0.5$^c$ | | 1.3$^e$ | -4.5(4) | -5.8(4) | | | | | |
| 1432 | 21:37:57.62 | 57:22:47.7$^r$ | | 4623 | 12-1091 | 18.61$^f$ | | 16.59$^e$ | 15.65 | 14.73$^e$ | 13.182(24) | 12.215(30) | 11.673(20)$^r$ | G2.5$^e$ | | 2.8$^e$ | -3.6(4) | -3.8(4) | 0.1(9.2) | -11.3(9.2) | | | *JHK* in [f] slightly different |
| 1433 | 21:37:57.57 | 57:24:19.7$^r$ | | 4622 | 12-1422 | 20.23$^f$ | | 18.77$^e$ | 17.48 | 16.09$^e$ | 14.458(45) | 13.606(43) | 13.337(43)$^r$ | M0$^c$ | | 1.9$^e$ | -0.5(5.4) | -5.2(5.4) | | | | | |
| 1434 | 21:38:47.07 | 57:24:20.7$^r$ | | | 12-1423 | | | 17.04$^e$ | 15.94 | 14.83$^e$ | 13.250(26) | 12.459(31) | 12.288(23)$^r$ | K7$^c$ | | 1.5$^e$ | -4.3(4) | -2.6(4) | -12.6(11.1) | 7(11.7) | | | |
| 1435 | 21:38:08.48 | 57:25:11.9$^r$ | | 4629 | 12-1613 | | | 18.42$^e$ | 17.15 | 15.78$^e$ | 14.062(32) | 13.241(40) | 12.951(35)$^r$ | M1$^c$ | | 1.3$^e$ | -5.8(4) | -4(4) | | | | | |
| 1436 | 21:39:04.68 | 57:25:12.8$^r$ | | 4642 | 12-1617 | 19.72$^f$ | | 17.86$^e$ | 16.53 | 15.18$^e$ | 13.542(26) | 12.627(28) | 12.129(24)$^r$ | M1$^c$ | | 1.6$^e$ | -5(4) | -3.7(4) | | | | | |
| 1437 | 21:39:04.71 | 57:25:21.5$^r$ | | | 12-1650 | | | | | | 14.406(37) | 13.888(49) | 13.722(66)$^r$ | | | | -7.4(5.4) | -44.5(5.4) | | | | | |
| 1438 | 21:38:33.82 | 57:26:05.3$^r$ | | 4637 | 12-1825 | | | 19.23$^e$ | 17.86 | 16.52$^e$ | 14.976(63) | 14.141(47) | 13.877(66)$^r$ | M0.0$^e$ | | 2.1$^e$ | -16.8(5.4) | -0.5(5.4) | | | | | |
| 1439 | 21:38:44.47 | 57:18:09.1$^r$ | | 4639 | 12-44$^a$ | | | 16.65$^e$ | 15.69 | 14.81$^e$ | 13.421(27) | 12.647(35) | 12.180(26)$^r$ | K5.5$^c$ | | 1.2$^e$ | -4.9(4) | -3.9(4) | | | | | 2 diffent SHB-2004 |
| 1440 | 21:38:26.92 | 57:26:38.5$^r$ | | 4634 | 12-1955 | | | 17.53$^e$ | 16.46 | 15.42$^e$ | 14.096(43) | 13.320(44) | 13.122(42)$^r$ | K6.5$^c$ | | 1.4$^e$ | -6.9(4) | -4.4(4) | | | | | |
| 1441 | 21:37:54.88 | 57:26:42.5$^r$ | | | 12-1968 | | | 16.5$^e$ | 15.51 | 14.55$^e$ | 13.185(25) | 12.344(31) | 12.026(27)$^r$ | K6$^c$ | | 1.2$^e$ | 11.7(4) | -6.1(4) | 35.4(7.6) | 7.2(7.6) | | | SB2:$^c$ |
| 1442 | 21:37:50.23 | 57:25:48.8$^r$ | | | 12-1984 | | | 16.6$^e$ | 15.69 | 14.8$^e$ | 13.288(29) | 12.451(31) | 12.251(22)$^r$ | K6$^c$ | | 0.8$^e$ | -1.6(4) | -7.5(4) | -7.9(8) | -3.1(8.6) | | | |
| 1443 | 21:37:58.41 | 57:18:04.7$^r$ | | 4625 | 12-94 | | | 17.39$^e$ | 16.28 | 15.31$^e$ | 13.780(26) | 12.899(33) | 12.673(26)$^r$ | K4.0$^e$ | | 1.8$^e$ | 4.4(4) | 2.9(4) | | | | | |
| 1444 | 21:38:52.53 | 57:27:18.5$^r$ | | | 12-2098 | | | 18.43$^e$ | 17.18 | 15.73$^e$ | 14.137(53) | 13.365(56) | 13.156(50)$^r$ | M2.5$^c$ | | 1$^e$ | -2(5.3) | -0.9(5.3) | | | | | |
| 1445 | 21:38:27.43 | 57:27:20.8$^r$ | | 4636 | 12-2113 | 18.79$^f$ | | 17.14$^e$ | 15.92 | 14.67$^e$ | 12.856(31) | 11.986(35) | 11.506(24)$^r$ | K6$^c$ | | 1.2$^e$ | 4.4(4) | -4.7(4) | 16.9(7.1) | 5.2(7.2) | | | SB1$^c$ |
| 1446 | 21:38:45.44 | 57:28:23.1$^r$ | | | 12-2363 | | | 17.68$^e$ | 16.36 | 15.05$^e$ | 13.523(32) | 12.733(39) | 12.500(33)$^r$ | M0.5$^c$ | | 1.9$^e$ | -0.2(3.9) | -8.9(3.9) | | | | | SB1:$^c$ |
| 1447 | 21:38:00.59 | 57:28:25.4$^r$ | | | 12-2373 | | | 17.66$^e$ | 16.48 | 15.24$^e$ | 13.552(32) | 12.728(50) | 12.477(33)$^r$ | M1$^c$ | | 1.2$^e$ | -7.7(4) | -0.7(4) | | | | | |
| 1448 | 21:37:51.07 | 57:27:50.2$^r$ | | | 12-2519 | | | 17.27$^e$ | 16.23 | 15.21$^e$ | 13.647(31) | 12.816(36) | 12.460(22)$^r$ | K5.5$^c$ | | 1.6$^e$ | -1.3(3.9) | -18.8(3.9) | | | | | |
| 1449 | 21:37:58.28 | 57:20:35.5$^r$ | | 4624 | 12-583 | | | 17.48$^e$ | 16.26 | 14.93$^e$ | 13.427(40) | 12.574(38) | 12.306(29)$^r$ | M0$^c$ | | 1.6$^e$ | -15.1(4) | -5.1(4) | | | | | |
| 1450 | 21:38:46.23 | 57:20:38.0$^r$ | | 4640 | 12-595 | | | 18.51$^e$ | 17.43 | 16.35$^e$ | 15.375(64) | 14.634(82) | 14.327(81)$^r$ | M1.5$^c$ | | 1.2$^e$ | -21.9(4.1) | -18.5(4.1) | | | | | |
| 1451 | 21:39:12.88 | 57:21:08.8$^r$ | | | 12-705 | | | 17.59$^e$ | 16.37 | 15.13$^e$ | 13.489(26) | 12.685(32) | 12.425(25)$^r$ | M1$^c$ | | 1.3$^e$ | -3.7(4) | -4.8(4) | | | | | |
| 1452 | 21:39:14.24 | 57:22:13.0$^r$ | | | 12-942 | | | 17.15$^e$ | 15.98 | 14.79$^e$ | 13.238(29) | 12.431(37) | 12.196(28)$^r$ | K7.5$^c$ | | 1.7$^e$ | -14.5(4) | -7.9(4) | -30.9(8.3) | 0.3(8.1) | | | SB1$^c$ |
| 1453 | 21:39:10.89 | 57:35:18.1$^r$ | | | 13-1048 | | | 18.9$^e$ | 17.58 | 16.42$^e$ | 13.695(24) | 12.714(28) | 12.165(26)$^r$ | M0$^c$ | | 1.7$^e$ | 3(3.8) | -4(3.8) | | | | | |
| 1454 | 21:38:55.42 | 57:35:29.7$^r$ | | | 13-1087 | | | 16.04$^e$ | 15.11 | 14.23$^e$ | 12.878(24) | 12.110(28) | 11.943(23)$^r$ | K4$^c$ | | 1.7$^e$ | -2.2(3.9) | -10(3.9) | -2(7.8) | -39.7(7.8) | | | |
| 1455 | 21:37:58.53 | 57:35:47.9$^r$ | | | 13-1143 | | | | | | 13.950(34) | 13.205(40) | 13.022(35)$^r$ | | | | 3.2(3.8) | -3.1(3.8) | | | | | |

$^a$ also 54-1547

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1456 | 21:38:07.72 | 57:35:53.3$^r$ | | 4628 | 13-1161 | | 18.05$^e$ | 16.8 | 15.64$^e$ | 14.111 (39) | 13.249 (38) | 12.973 (28)$^r$ | M0$^e$ | | 1.5$^e$ | -10.5 (4) | -9.6 (4) | | | | | |
| 1457 | 21:37:59.26 | 57:36:16.2$^r$ | | 4626 | 13-1238 | 19.15$^f$ | 18.36$^e$ | 16.83 | 15.37$^e$ | 13.321 (27) | 12.400 (32) | 11.889 (18)$^r$ | M1$^c$ | | 2.6$^e$ | -2 (3.9) | -5.2 (3.9) | | | | | |
| 1458 | 21:39:12.13 | 57:36:16.5$^r$ | | 4644 | 13-1250 | 18.68$^f$ | | 16.05$^e$ | 15.09 | 14.24$^e$ | 12.920 (24) | 12.119 (29) | 11.799 (23)$^r$ | K4.5$^c$ | | 1.4$^e$ | -6.3 (3.8) | -6.4 (3.8) | -8.2 (8.5) | -16.6 (8.4) | | |
| 1459 | 21:38:08.56 | 57:37:07.6$^r$ | | 4630 | 13-1426 | | | 19.67$^e$ | 18.06 | 16.43$^e$ | 14.306 (33) | 13.425 (33) | 12.901 (30)$^r$ | M0$^c$ | | 3.2$^e$ | -2.2 (3.9) | -6.2 (3.9) | | | | | |
| 1460 | 21:38:28.04 | 57:30:46.5$^r$ | | | 13-157 | | | 16.23$^e$ | 15.25 | 14.32$^e$ | 12.912 (31) | 11.979 (36) | 11.249 (52)$^r$ | K5.5$^c$ | | 1.2$^e$ | | | | | | | |
| 1461 | 21:38:40.38 | 57:38:37.4$^r$ | | | 13-1709 | | | 16.7$^e$ | 15.7 | 14.82$^e$ | 13.563 (27) | 12.715 (32) | 12.507 (23)$^r$ | K5.5$^c$ | | 1.2$^e$ | 0.9 (3.8) | -6.1 (3.8) | -8.2 (8.8) | -7 (8.9) | | |
| 1462 | 21:38:17.03 | 57:39:26.6$^r$ | | | 13-1877 | | | 16.83$^e$ | 15.59 | 14.45$^e$ | 12.935 () | 11.954 () | 11.263 ()$^r$ | K7$^c$ | | 2$^e$ | 3.2 (3.8) | -5.4 (3.8) | | | | | |
| 1463 | 21:38:40.02 | 57:39:30.3$^r$ | | 4638 | 13-1891 | | | 18.16$^e$ | 17.06 | 15.89$^e$ | 14.509 (27) | 13.600 (42) | 13.215 (30)$^r$ | M0$^c$ | | 1$^e$ | 10.6 (3.9) | -12.3 (3.9) | | | | | |
| 1464 | 21:38:17.50 | 57:41:02.0$^r$ | | | 13-2236 | | | 17.54$^e$ | 16.4 | 15.35$^e$ | 13.873 (34) | 13.004 (37) | 12.767 (35)$^r$ | K6.5$^c$ | | 1.6$^e$ | -8.2 (3.9) | -4.9 (3.9) | | | | | |
| 1465 | 21:38:28.35 | 57:31:07.2$^r$ | | | 13-232 | | | 17.36$^e$ | 16.2 | 15.11$^e$ | 13.647 (43) | 12.804 (42) | 12.561 (40)$^r$ | M0$^c$ | | 1.1$^e$ | -5.4 (3.9) | -16.7 (3.9) | | | | | |
| 1466 | 21:38:27.42 | 57:31:08.2$^r$ | | 4635 | 13-236 | 17.56$^f$ | | 15.64$^e$ | 14.7 | 13.85$^e$ | 12.355 (36) | 11.363 (40) | 10.774 (24)$^r$ | K2$^c$ | | 1.8$^e$ | 24.9 (3.9) | -14.3 (3.9) | 29.5 (7.3) | 1.1 (7.3) | | |
| 1467 | 21:39:10.25 | 57:31:06.6$^r$ | | 4643 | 13-238 | | | 19.5$^f$ | 17.5 | 15.9$^f$ | 14.084 (31) | 13.222 (35) | 12.980 (28)$^r$ | K1$^q$ | | | -1.3 (5.4) | -1.6 (5.4) | | | | | |
| 1468 | 21:37:58.13 | 57:31:20.0$^r$ | | | 13-269 | | | 16.95$^e$ | 15.8 | 14.65$^e$ | 12.829 (27) | 12.001 (32) | 11.724 (20)$^r$ | K6.5$^c$ | | 1.9$^e$ | -5.6 (3.9) | -2.8 (3.9) | -10.7 (9.1) | 21.4 (8.5) | | |
| 1469 | 21:38:13.85 | 57:31:41.5$^r$ | | 4632 | 13-350 | | | 18.08$^e$ | 16.97 | 15.81$^e$ | 14.475 (66) | 13.621 (60) | 13.389 (43)$^r$ | M1$^c$ | | 0.7$^e$ | 17.6 (3.8) | -32.2 (3.8) | | | | | |
| 1470 | 21:38:32.55 | 57:30:16.1$^r$ | | | 13-52 | | | 17.27$^e$ | 16.19 | 15.15$^e$ | 13.738 (47) | 12.842 (40) | 12.607 (31)$^r$ | K7$^c$ | | 1.3$^e$ | -2.2 (4) | -6.9 (4) | | | | | |
| 1471 | 21:38:34.81 | 57:32:50.0$^r$ | | | 13-566 | | | 18.05$^e$ | 16.81 | 15.47$^e$ | 13.899 (29) | 13.049 (35) | 12.789 (22)$^r$ | K5.5$^c$ | | 2.4$^e$ | -2.8 (3.8) | -6.4 (3.8) | | | | | |
| 1472 | 21:38:09.28 | 57:33:26.2$^r$ | | 4631 | 13-669 | 18.29$^f$ | | 15.84$^e$ | 14.86 | 13.93$^e$ | 12.391 (29) | 11.566 (30) | 11.195 (20)$^r$ | K1$^c$ | | 2.2$^e$ | 0 (4) | 4.3 (4) | 3.3 (8.5) | 14.8 (7.4) | | |
| 1473 | 21:38:25.97 | 57:34:09.4$^r$ | | | 13-819 | | | 16.44$^e$ | 15.42 | 14.45$^e$ | 13.032 (27) | 12.234 (29) | 11.993 (20)$^r$ | K5.5$^c$ | | 1.4$^e$ | 1.8 (3.8) | -5.2 (3.8) | -10.3 (8.4) | -13.1 (8.4) | | |
| 1474 | 21:38:11.21 | 57:34:18.2$^r$ | | | 13-838 | | | | | | 14.113 (34) | 13.407 (33) | 13.199 (33)$^r$ | | | | -4.2 (3.9) | -3.8 (3.9) | | | | | |
| 1475 | 21:37:50.19 | 57:33:40.4$^r$ | | 4621 | 13-924 | | | 16.93$^e$ | 15.93 | 14.92$^e$ | 13.225 (27) | 12.360 (36) | 12.108 (24)$^r$ | K5$^c$ | | 1.6$^e$ | -3.9 (3.8) | -4.1 (3.8) | -7.9 (12.6) | 14.3 (9.1) | | |
| 1476 | 21:37:28.94 | 57:36:04.3$^r$ | | 4613 | 14-1017 | | | 18.66$^e$ | 17.3 | 15.92$^e$ | 13.994 (31) | 13.027 (30) | 12.630 (26)$^r$ | M0$^c$ | | 2.1$^e$ | 0.7 (3.8) | -9 (3.8) | | | | | |
| 1477 | 21:37:19.76 | 57:31:04.4$^r$ | | | 14-103 | | | 17.83$^e$ | 16.93 | 15.82$^e$ | 14.283 (27) | 13.387 (31) | 13.193 (40)$^r$ | K7$^c$ | | 1$^e$ | -4.2 (3.9) | 2.3 (3.9) | | | | | |
| 1478 | 21:37:10.32 | 57:30:18.9$^r$ | | | 14-11 | | | 17.53$^e$ | 16.15 | 14.78$^e$ | 13.057 (29) | 12.216 (34) | 11.956 (26)$^r$ | M1.5$^c$ | | 1.8$^e$ | 1.6 (3.8) | -10.7 (3.8) | | | | | |
| 1479 | 21:36:55.79 | 57:36:53.3$^r$ | | | 14-1229 | | | 17.81$^e$ | 16.74 | 15.74$^e$ | 14.361 (29) | 13.501 (41) | 13.351 (34)$^r$ | K6$^c$ | | 1.3$^e$ | -2.8 (4) | -0.4 (4) | | | | | |
| 1480 | 21:37:10.54 | 57:31:12.5$^r$ | | 4607 | 14-125 | 20.03$^f$ | | 16.74$^e$ | 15.73 | 14.7$^e$ | 13.090 (26) | 12.170 (30) | 11.732 (21)$^r$ | K5$^c$ | | 1.7$^e$ | 1 (3.8) | -14.3 (3.8) | | | | | |
| 1481 | 21:36:49.42 | 57:31:22.1$^r$ | | 4601 | 14-141 | 19.35$^f$ | | 15.81$^e$ | 14.68 | 13.52$^e$ | 11.918 (22) | 10.914 (29) | 10.355 (21)$^r$ | K6$^c$ | | 1.7$^e$ | -1.4 (3.8) | -18.5 (3.8) | | | | | JHK in [f] different |
| 1482 | 21:37:27.33 | 57:31:29.5$^r$ | | 4611 | 14-160 | 20.23$^f$ | | 16.91$^e$ | 15.84 | 14.83$^e$ | 13.218 (37) | 12.349 (41) | 11.954 (33)$^r$ | K5$^c$ | | 1.8$^e$ | 0.8 (3.8) | -9.8 (3.8) | -14.2 (12) | 0.6 (12.2) | | |
| 1483 | 21:37:11.24 | 57:39:16.9$^r$ | | 4608 | 14-1827 | 18.05$^f$ | | 15.67$^f$ | 14.92 | 14.19$^f$ | 13.171 (22) | 12.515 (28) | 12.399 (25)$^r$ | G$^f$ | | | 7.5 (3.8) | 8.5 (3.8) | 6.6 (7.6) | 1.7 (7.6) | | |
| 1484 | 21:37:38.49 | 57:31:40.8$^r$ | | 4617 | 14-183 | 20.84$^f$ | | 16.61$^e$ | 15.37 | 14.21$^e$ | 13.303 (29) | 12.229 (31) | 11.668 ()$^r$ | K7.0(K5)R$^c$ | | 2$^e$ | | | | | | | SB1:$^c$ |
| 1485 | 21:37:23.68 | 57:31:53.9$^r$ | | | 14-197 | | | 17.07$^e$ | 16.01 | 14.99$^e$ | 13.446 (25) | 12.635 (31) | 12.473 (26)$^r$ | K5.5$^c$ | | 1.7$^e$ | 3.8 (5.1) | -3.1 (5.1) | -10.8 (12.8) | -2.7 (13.2) | | SB1:$^c$ |
| 1486 | 21:37:41.85 | 57:40:40.1$^r$ | | | 14-2148 | | | 18.25$^e$ | 16.93 | 15.62$^e$ | 13.985 (30) | 13.087 (34) | 12.832 (30)$^r$ | M1.5$^c$ | | 1.5$^e$ | -1 (3.8) | -10.3 (3.8) | | | | | |
| 1487 | 21:37:06.07 | 57:32:01.6$^r$ | | 4605 | 14-222 | 18.52$^f$ | | 15.81$^e$ | 14.74 | 13.65$^e$ | 12.105 (22) | 11.273 (26) | 11.077 (21)$^r$ | K7$^c$ | | 1.2$^e$ | 5.4 (3.9) | -2.6 (3.9) | | | | | |
| 1488 | 21:37:06.50 | 57:32:31.7$^r$ | | | 14-287 | | | 17.85$^e$ | 16.51 | 15.17$^e$ | 13.321 (23) | 12.327 (28) | 11.909 (23)$^r$ | M0$^c$ | | 2.2$^e$ | 3.2 (3.8) | -14.2 (3.8) | | | | | |
| 1489 | 21:36:26.77 | 57:32:37.5$^r$ | | | 14-306 | | | 18.4$^e$ | 17.29 | 16.12$^e$ | 14.258 (40) | 13.294 (42) | 12.936 (34)$^r$ | K6.5$^c$ | | 1.9$^e$ | 19.2 (4) | 22.2 (4) | | | | | |
| 1490 | 21:37:29.16 | 57:32:53.5$^r$ | | 4614 | 14-335 | | | 17.14$^e$ | 16.09 | 14.98$^e$ | 13.236 (35) | 12.142 (31) | 11.553 (26)$^r$ | K6.5$^c$ | | 1.5$^e$ | 8.1 (3.8) | 3.9 (3.8) | 42 (13.1) | 103.6 (14.2) | | |
| 1491 | 21:37:39.88 | 57:36:03.0$^r$ | | | 14-995 | | | | | | 14.542 (43) | 13.692 (47) | 13.454 (47)$^r$ | | | | 18.9 (3.8) | 12.1 (3.8) | | | | | |
| 1492 | 21:39:15.84 | 57:24:35.0$^r$ | | | 21-1189 | | | | | | 14.606 (41) | 14.059 (63) | 13.847 (64)$^r$ | | | | -11 (4) | -7.5 (4) | | | | | |
| 1493 | 21:39:45.71 | 57:26:24.3$^r$ | | | 21-1536 | | | 18.85$^e$ | 17.61 | 16.16$^e$ | 14.561 (40) | 13.756 (44) | 13.224 (42)$^r$ | M0.0$^e$ | | 1.8$^e$ | -4.4 (4.1) | 3.4 (4.1) | | | | | faint star |
| 1494 | 21:39:47.94 | 57:26:42.8$^r$ | | 4648 | 21-1586 | | | 18.23$^e$ | 17.14 | 15.84$^e$ | 14.479 (41) | 13.615 (38) | 13.375 (38)$^r$ | K7$^c$ | | 1.5$^e$ | -8.2 (4.1) | -3.2 (4.1) | | | | | |
| 1495 | 21:39:15.54 | 57:26:44.1$^r$ | | | 21-1590 | | | 18.1$^e$ | 16.79 | 15.62$^e$ | 14.053 (30) | 13.252 (39) | 12.941 (34)$^r$ | K7$^c$ | | 2.2$^e$ | -1.9 (3.9) | -19.7 (3.9) | | | | | |
| 1496 | 21:40:01.28 | 57:27:18.5$^r$ | | 4649 | 21-1692 | | | 18.58$^e$ | 17.22 | 15.94$^e$ | 14.305 (31) | 13.460 (40) | 13.243 (40)$^r$ | M1$^c$ | | 1.7$^e$ | -6.2 (4.1) | -3.9 (4.1) | | | | | |
| 1497 | 21:40:09.25 | 57:27:39.3$^r$ | | | 21-1762 | | | 17$^e$ | 15.96 | 14.94$^e$ | 13.391 (24) | 12.727 (33) | 12.413 (28)$^r$ | K5$^c$ | | 1.8$^e$ | -7.5 (3.9) | -9.1 (3.9) | -6 (8.2) | 4.5 (8.7) | | |
| 1498 | 21:39:58.62 | 57:28:40.5$^r$ | | | 21-1974 | | | 16.77$^e$ | 15.79 | 14.86$^e$ | 13.446 (32) | 12.707 (44) | 12.497 (32)$^r$ | G7.5$^e$ | | 2.5$^e$ | -0.7 (3.8) | 1.3 (3.8) | 0.2 (9.6) | 30.9 (8.8) | | |
| 1499 | 21:40:13.91 | 57:28:48.2$^r$ | | | 21-2006 | | | 16.99$^e$ | 16 | 15.02$^e$ | 13.704 (29) | 12.920 (38) | 12.488 (30)$^r$ | K5.0$^e$ | | 1.5$^e$ | -0.6 (4.1) | -4.3 (4.1) | 30.1 (14.1) | 12.2 (14.2) | | |
| 1500 | 21:39:47.55 | 57:25:21.1$^r$ | | | 21-2251 | | | 18.05$^e$ | 16.73 | 15.31$^e$ | 13.800 (28) | 12.995 (32) | 12.709 (30)$^r$ | M2$^c$ | | 1.5$^e$ | -0.5 (4.1) | -12.3 (4.1) | | | | | SB1:$^c$ |
| 1501 | 21:39:41.69 | 57:19:27.4$^r$ | | | 21-230 | | | 18.17$^e$ | 16.94 | 15.69$^e$ | 14.210 (38) | 13.345 (36) | 13.174 (38)$^r$ | M0.5$^c$ | | 1.5$^e$ | 2 (4.1) | 0.3 (4.1) | | | | | |
| 1502 | 21:39:35.62 | 57:18:22.1$^r$ | | 4646 | 21-33 | | | 18.68$^e$ | 17.4 | 16.14$^e$ | 14.501 (39) | 13.581 (40) | 13.220 (44)$^r$ | M0$^c$ | | 1.7$^e$ | -9.5 (4.1) | -10.4 (4.1) | | | | | |
| 1503 | 21:40:02.60 | 57:22:09.0$^r$ | | | 21-763 | | | 17.65$^e$ | 16.5 | 15.37$^e$ | 13.849 () | 13.164 () | 12.968 (35)$^r$ | M0$^c$ | | 1.2$^e$ | -6.7 (4.1) | -8.4 (4.1) | | | | | |
| 1504 | 21:39:26.52 | 57:22:32.1$^r$ | | | 21-833 | | | 18.09$^e$ | 16.86 | 15.51$^e$ | 13.836 (38) | 13.098 (46) | 12.797 (32)$^r$ | M0$^c$ | | 1.6$^e$ | -18.7 (4.1) | 21 (4.1) | | | | | |
| 1505 | 21:39:10.13 | 57:22:32.3$^r$ | | | 21-840 | | | 18.98$^e$ | 17.54 | 16.09$^e$ | 14.435 (51) | 13.562 (58) | 13.233 (51)$^r$ | M1.0$^e$ | | 2.2$^e$ | -11 (5.4) | -12.2 (5.4) | | | | | |
| 1506 | 21:38:55.04 | 57:20:42.3$^r$ | | | 21-851 | | | | | | 14.736 (49) | 14.257 (66) | 13.836 (60)$^r$ | | | | -4.6 (4) | 3 (4) | | | | | |
| 1507 | 21:40:03.21 | 57:22:50.5$^r$ | | | 21-895 | | | 16.39$^e$ | 15.43 | 14.48$^e$ | 13.216 (26) | 12.508 (33) | 12.306 (28)$^r$ | K5$^c$ | | 1.4$^e$ | -12.9 (4.1) | -7.4 (4.1) | -20.1 (8) | -1.1 (7.4) | | |
| 1508 | 21:39:34.81 | 57:23:27.8$^r$ | | | 21-998 | | | 17.48$^e$ | 16.4 | 15.3$^e$ | 13.850 (29) | 12.972 (33) | 12.476 (28)$^r$ | K5.5$^c$ | | 1.9$^e$ | -2.3 (4.1) | -7.9 (4.1) | | | | | SB1:$^c$ |

| No. | RA hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1509 | 21:40:22.87 | 57:27:33.0[r] | | | 22-1418 | | | 17.59[e] | 17.68 | 15.25[e] | 14.134 (32) | 13.174 (30) | 12.591 (28)[r] | M1.5[e] | | 0.7[e] | -3.8 (3.9) | -10.7 (3.9) | | | | | |
| 1510 | 21:41:02.13 | 57:28:22.0[r] | | | 22-1526 | | | 17.76[e] | 16.86 | 15.56[e] | 14.383 (62) | 13.476 (59) | 13.382 (51)[r] | M1[c] | | 0.6[e] | -16.3 (3.9) | -13.8 (3.9) | | | | | star elongated |
| 1511 | 21:41:18.38 | 57:28:43.3[r] | | | 22-1569 | | | 17.58[e] | 16.7 | 15.09[e] | 13.607 (32) | 12.826 (33) | 12.578 (30)[r] | M1[c] | | 1.4[e] | -0.4 (3.9) | -9.8 (3.9) | 9 (11.3) | -5.9 (11.3) | | | |
| 1512 | 21:40:21.30 | 57:26:57.9[r] | | | 22-2651 | | | 18.43[e] | 17.1 | 16.01[e] | 14.500 (38) | 13.405 (32) | 12.624 (28)[r] | M1.5[c] | | 0.9[e] | -0.8 (4.1) | -5.2 (4.1) | | | | | |
| 1513 | 21:41:09.71 | 57:20:50.8[r] | | | 22-404 | | 16.02[e] | 15.37 | 14.51[e] | 13.479 (27) | 12.892 (35) | 12.681 (35)[r] | G7.0[e] | | 1.4[e] | -4.8 (4.1) | -2.7 (4.1) | -5.8 (7.2) | 7.5 (7.2) | | | |
| 1514 | 21:40:58.70 | 57:21:09.6[r] | | | 22-445 | | | 17.9[e] | 16.83 | 15.5[e] | 13.906 (34) | 13.104 (42) | 12.818 (23)[r] | M0.5[c] | | 1.3[e] | -9 (4.1) | -11 (4.1) | | | | | |
| 1515 | 21:40:48.84 | 57:24:18.6[r] | | | 22-939 | | | 17.58[e] | 16.54 | 15.49[e] | 14.266 (35) | 13.507 (38) | 13.210 (39)[r] | K6.0[e] | | 1.3[e] | -7.2 (4.1) | -2.9 (4.1) | | | | | |
| 1516 | 21:41:15.24 | 57:24:25.6[r] | | | 22-960 | | | 18.23[e] | 17.1 | 15.67[e] | 14.222 (50) | 13.364 (49) | 13.107 (46)[r] | M2.5[c] | | 0.6[e] | -1 (5.4) | -50.3 (5.4) | | | | | |
| 1517 | 21:40:55.43 | 57:39:55.6[r] | | | 23-1161 | | | 17.81[e] | 16.65 | 15.74[e] | 14.407 (32) | 13.602 (39) | 13.425 (39)[r] | K6.5[e] | | 1.4[e] | -2.1 (3.8) | -9.2 (3.8) | | | | | |
| 1518 | 21:41:05.51 | 57:41:03.3[r] | | | 23-1282 | | | | | | 13.664 (31) | 12.918 (36) | 12.729 (30)[r] | | | | -3.5 (3.8) | -6.2 (3.8) | 3.8 (15.2) | -9.8 (12.5) | | | |
| 1519 | 21:40:44.50 | 57:31:31.4[r] | | | 23-162 | | | 17.97[e] | 16.7 | 15.68[e] | 14.044 (31) | 13.144 (37) | 12.588 (29)[r] | K7[c] | | 1.7[e] | -1.5 (3.9) | -5.4 (3.9) | | | | | |
| 1520 | 21:41:32.36 | 57:32:24.6[r] | | | 23-259 | | | | | | 13.304 (26) | 12.664 (36) | 12.453 (25)[r] | | | | -21.8 (3.9) | 11.5 (3.9) | -27.1 (8.7) | 13.7 (10.2) | | | |
| 1521 | 21:40:31.35 | 57:33:41.8[r] | | 4652 | 23-405 | | | 16.46[e] | 15.47 | 14.65[e] | 13.389 (32) | 12.504 (33) | 12.125 (28)[r] | K5[c] | | 1.1[e] | -4.7 (3.8) | -2.9 (3.8) | -12.4 (9.6) | -13.1 (9.6) | | | |
| 1522 | 21:40:35.75 | 57:34:55.1[r] | | | 23-570 | | | 16.85[e] | 15.72 | 14.88[e] | 13.477 (31) | 12.556 (30) | 12.194 (28)[r] | K6[c] | | 1.3[e] | -2 (3.9) | -2.2 (3.9) | | | | | |
| 1523 | 21:40:53.92 | 57:36:19.9[r] | | | 23-753 | | | 18.08[e] | 16.98 | 16.01[e] | 14.664 (27) | 13.855 (43) | 13.663 (54)[r] | M0.5-M0[c] | | 0.5[e] | -4.9 (3.8) | -14.4 (3.8) | | | | | |
| 1524 | 21:41:28.65 | 57:36:43.3[r] | | 4653 | 23-798 | 19.72[f] | | 18.76[e] | 17.43 | 16.36[e] | 14.410 (34) | 13.533 (35) | 12.820 (30)[r] | K6[c] | | 2.2[e] | -4.3 (3.8) | -4.9 (3.8) | | | | | faint star |
| 1525 | 21:41:14.98 | 57:38:14.9[r] | | | 23-969 | | | 16.39[e] | 15.29 | 14.52[e] | 13.144 (26) | 12.325 (32) | 11.919 (21)[r] | K5.5[c] | | 1.2[e] | -1.7 (3.8) | -7.8 (3.8) | -21 (8.2) | -16.2 (8.2) | | | |
| 1526 | 21:39:50.88 | 57:36:16.8[r] | | | 24-1047 | | | | | | 13.237 (26) | 12.395 (31) | 12.252 (28)[r] | | | | 3 (3.8) | -6.4 (3.8) | 15.6 (8.3) | 21.8 (8.3) | | | |
| 1527 | 21:39:03.90 | 57:31:03.8[r] | | | 24-108 | | | 17.27[e] | 16.22 | 15.12[e] | 13.540 (29) | 12.739 (35) | 12.471 (28)[r] | K5.5[c] | | 1.9[e] | 1.2 (3.8) | -7.9 (3.8) | | | | | |
| 1528 | 21:39:36.13 | 57:31:28.9[r] | | 4647 | 24-170 | | | 17.4[e] | 16.27 | 15.1[e] | 13.444 (32) | 12.648 (35) | 12.398 (30)[r] | K7.5[c] | | 1.5[e] | 4.5 (3.8) | -4.1 (3.8) | | | | | |
| 1529 | 21:40:11.35 | 57:39:51.8[r] | | 4651 | 24-1736 | 19.72[f] | | 19.07[e] | 18.12 | 16.35[e] | 14.309 (24) | 13.443 (36) | 12.968 (28)[r] | M1[c] | | 1[e] | -4.7 (3.8) | -4.9 (3.8) | | | | | |
| 1530 | 21:40:11.83 | 57:40:12.2[r] | | | 24-1796 | | | 17.4[e] | 16.37 | 15.32[e] | 13.876 (35) | 13.076 (39) | 12.734 (37)[r] | K7[c] | | 1.2[e] | -8.9 (3.8) | -6.1 (3.8) | | | | | SB2:[c] |
| 1531 | 21:40:10.23 | 57:32:51.2[r] | | | 24-382 | | | 17.91[e] | 16.81 | 15.67[e] | 14.132 (31) | 13.317 (36) | 13.091 (35)[r] | K7.5[c] | | 1.4[e] | -3.2 (3.8) | -5.5 (3.8) | | | | | |
| 1532 | 21:39:38.05 | 57:30:44.0[r] | | | 24-48 | | | 18.11[e] | 16.81 | 15.63[e] | 14.129 (32) | 13.278 (27) | 13.073 (29)[r] | M0.5[c] | | 1.5[e] | -17 (3.8) | -6.1 (3.8) | | | | | |
| 1533 | 21:39:34.07 | 57:33:31.6[r] | | | 24-515 | | | 17.9[e] | 16.7 | 15.58[e] | 14.057 (28) | 13.243 (46) | 12.704 (28)[r] | M0.5[c] | | 1.1[e] | 1.5 (3.9) | -13.1 (3.9) | | | | | |
| 1534 | 21:39:29.57 | 57:33:41.7[r] | | 4645 | 24-542 | 18.54[f] | | 15.88[e] | 14.97 | 14.1[e] | 12.823 (24) | 12.053 (31) | 11.867 (23)[r] | K4[c] | | 1[e] | -1.5 (3.8) | -7.7 (3.8) | -6 (8.3) | -5.4 (8.4) | | | |
| 1535 | 21:39:00.55 | 57:34:28.1[r] | | | 24-692 | | | 18.43[e] | 17.13 | 15.88[e] | 14.294 (35) | 13.402 (33) | 13.138 (39)[r] | M1[c] | | 1.5[e] | -6.7 (5) | -12.5 (5) | | | | | SB1[c] |
| 1536 | 21:39:03.47 | 57:30:52.8[r] | | | 24-77 | | | 17.53[e] | 16.6 | 15.44[e] | 13.771 (29) | 12.987 (35) | 12.687 (28)[r] | K6.5[c] | | 1.4[e] | 1 (5) | -8.1 (5) | | | | | |
| 1537 | 21:39:49.37 | 57:30:54.7[r] | | | 24-78 | | | 17.91[e] | 16.59 | 15.27[e] | 13.561 (23) | 12.767 (30) | 12.465 (25)[r] | M2[c] | | 1.3[e] | -2.8 (3.9) | -8.4 (3.9) | | | | | |
| 1538 | 21:40:02.73 | 57:35:05.0[r] | | 4650 | 24-817 | 19.03[f] | | 17.82[e] | 16.62 | 15.49[e] | 13.968 (26) | 13.122 (30) | 12.916 (28)[r] | K6.5[c] | | 2[e] | -2.7 (3.8) | -10 (3.8) | | | | | |
| 1539 | 21:39:47.47 | 57:35:06.0[r] | | | 24-820 | | | 18.35[e] | 17.28 | 16.32[e] | 15.104 (36) | 14.363 (49) | 14.069 (60)[r] | K6.5[c] | | 1.2[e] | 0.9 (3.9) | -9 (3.9) | | | | | |
| 1540 | 21:43:49.33 | 57:19:20.9[r] | | | 43-795 | | | 17.1[e] | 16.04 | 15.02[e] | 13.376 (26) | 12.582 (31) | 12.331 (19)[r] | K5.5[e] | | 1.7[e] | -4.4 (4.1) | -6.2 (4.1) | 9.8 (12.2) | 12 (11.8) | | | |
| 1541 | 21:39:46.44 | 57:05:07.3[r] | | | 52-1649 | | | 17.22[e] | 16.25 | 15.38[e] | 14.213 (41) | 13.557 (50) | 13.310 (42)[r] | K5.0[e] | | 1.1[e] | 17.3 (5.4) | 49.3 (5.5) | | | | | |
| 1542 | 21:40:55.93 | 57:17:59.2[r] | | | 53-1561 | | | 17.86[e] | 16.59 | 15.45[e] | 13.814 (27) | 12.830 (35) | 12.245 (24)[r] | K6[c] | | 2.1[e] | -8.3 (4.1) | -6.4 (4.1) | | | | | |
| 1543 | 21:39:50.29 | 57:19:17.7[r] | | | 53-1762 | | | 17.94[e] | 16.73 | 15.62[e] | 14.134 (24) | 13.293 (32) | 12.984 (30)[r] | M0[c] | | 1.3[e] | -4.5 (4.1) | -0.7 (4.1) | | | | | SB1:[c] |
| 1544 | 21:39:38.03 | 57:19:33.2[r] | | | 53-1803 | | | 18.25[e] | 17.12 | 16.16[e] | 14.643 (43) | 13.744 (44) | 13.448 (48)[r] | K6.5[c] | | 1.4[e] | -2.6 (4.1) | 4.6 (4.1) | | | | | SB1[c] |
| 1545 | 21:40:35.92 | 57:19:39.9[r] | | | 53-1843 | | | 17.65[e] | 16.55 | 15.51[e] | 13.945 (27) | 13.172 (41) | 12.938 (26)[r] | M0.5[c] | | 0.7[e] | -1.9 (4.1) | -6.2 (4.1) | | | | | |
| 1546 | 21:39:17.48 | 57:17:47.4[r] | | | 54-1488 | | | 16.48[e] | 15.65 | 14.83[e] | 13.774 (47) | 13.013 (46) | 12.799 (44)[r] | K7.0[e] | | 0.1[e] | -29.8 (4.1) | 25.2 (4) | -5.6 (11.6) | -64.9 (11.5) | | | |
| 1547 | 21:38:43.32 | 57:18:36.0[r] | | | 54-1613 | | | 16.58[e] | 15.6 | 14.73[e] | 13.446 (27) | 12.688 (29) | 12.457 (25)[r] | K5[c] | | 1.2[e] | -3.2 (4) | -2.6 (4) | -12.5 (7.4) | 5.1 (7.4) | | | |
| 1548 | 21:38:16.13 | 57:19:35.8[r] | | | 54-1781 | | | 18.18[e] | 17 | 15.65[e] | 13.991 (32) | 13.092 (32) | 12.792 (30)[r] | M1[c] | | 1.2[e] | -1.9 (5.4) | -4.6 (5.4) | | | | | |
| 1549 | 21:36:26.15 | 57:01:29.3[r] | | | 61-413 | | | | | | 14.123 (27) | 13.494 (33) | 13.344 (34)[r] | | | | -3.3 (4.1) | -6.2 (4.1) | | | | | |
| 1550 | 21:35:50.70 | 57:03:57.1[r] | | | 61-608 | | | | | | 14.250 (31) | 13.575 (49) | 13.366 (45)[r] | | | | -6.7 (4.1) | -2.4 (4.1) | -51.8 (13.6) | 17.2 (13.1) | | | |
| 1551 | 21:36:00.91 | 57:07:12.9[r] | | | 61-893 | | | | | | 14.188 (34) | 13.291 () | 13.092 (37)[r] | | | | 0 (4.1) | -4.7 (4.1) | | | | | |
| 1552 | 21:35:18.05 | 57:09:44.1[r] | | | 64-156 | | | | | | 13.559 (40) | 13.266 (58) | 13.161 (51)[r] | | | | -1.6 (4.1) | 2.9 (4.1) | -8.8 (7.1) | 13.3 (7.1) | | | |
| 1553 | 21:35:50.83 | 57:12:07.1[r] | | | 64-376 | | | | | | 14.222 (36) | 13.539 (39) | 13.341 (38)[r] | | | | 17 (4.1) | 4.4 (4.1) | 18.9 (11.6) | 8.5 (11.6) | | | |
| 1554 | 21:34:09.74 | 57:29:55.0[r] | | | 71-1309 | | | | | | 14.697 (34) | 13.939 (44) | 13.737 (51)[r] | | | | 9.3 (4) | -1.7 (4) | | | | | |
| 1555 | 21:35:16.28 | 57:28:22.2[r] | | | 72-1427 | | | 18.08[e] | 16.82 | 15.58[e] | 14.005 (31) | 13.067 (29) | 12.673 (28)[r] | M1[c] | | 1.4[e] | -6.3 (5.5) | -12.7 (5.5) | | | | | |
| 1556 | 21:35:14.82 | 57:21:23.3[r] | | | 72-489 | | | 18.11[e] | 17.05 | 16.06[e] | 14.607 (38) | 13.837 (43) | 13.543 (44)[r] | K5.0?[e] | | 1.7[e] | -14.1 (4.1) | -16.9 (4.1) | | | | | |
| 1557 | 21:35:49.75 | 57:24:04.2[r] | | | 72-875 | | | 18.37[e] | 17.38 | 16.18[e] | 14.092 (31) | 13.006 (27) | 12.500 (26)[r] | M0.5[c] | | 0.8[e] | -17.3 (5.5) | -4.2 (5.5) | | | | | SB1:[c] |
| 1558 | 21:35:23.86 | 57:38:14.6[r] | | | 73-1059 | | | | | | 14.402 (35) | 13.693 (52) | 13.452 (39)[r] | | | | -33.7 (5.5) | -483.2 (5.5) | | | | | |
| 1559 | 21:35:52.23 | 57:32:14.5[r] | | | 73-194 | | | 18.06[e] | 16.95 | 15.94[e] | 14.734 (42) | 13.957 (46) | 13.764 (50)[r] | K6.5[c] | | 1.5[e] | -4.4 (4) | -8.5 (4) | | | | | |
| 1560 | 21:35:24.51 | 57:33:01.1[r] | | | 73-311 | | | 18.38[e] | 17.13 | 15.89[e] | 14.014 (34) | 13.115 (37) | 12.600 (30)[r] | M1.5[c] | | 1.1[e] | -0.7 (3.8) | -5.6 (3.8) | | | | | |
| 1561 | 21:35:18.61 | 57:34:09.2[r] | | | 73-472 | | | 16.85[e] | 15.75 | 14.8[e] | 13.219 (24) | 12.299 (31) | 11.829 (22)[r] | K5[c] | | 1.7[e] | -3.9 (4) | 0 (4) | -16.1 (8.3) | 1.8 (8.4) | | | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA WEB-DA | SHB-2004 | $U$ mag | $B$ mag | $V$ mag | $R$ mag | $I$ mag | $J$ mag | $H$ mag | $K$ mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA[j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1562 | 21:36:07.24 | 57:34:32.4[r] | | 73-537 | | | 17.3[e] | 16.27 | 15.25[e] | 14.047(52) | 13.159(39) | 12.674()[r] | G1.5[e] | | 3.3[e] | | | | | | | near 1766 |
| 1563 | 21:35:20.77 | 57:35:28.9[r] | | 73-674 | | | | | | 12.762(27) | 11.988(29) | 11.762(21)[r] | | | | -5.7(4.1) | 9.4(4.1) | -16.3(6.9) | 23(6.7) | | | |
| 1564 | 21:35:30.21 | 57:31:16.5[r] | | 73-71 | | | 16.99[e] | 15.81 | 14.69[e] | 12.979(34) | 12.105(37) | 11.715(29)[r] | K6[c] | | 2.1[e] | -4.6(4) | -6.1(4) | | | | | |
| 1565 | 21:35:08.35 | 57:36:02.9[r] | | 73-758 | | | 17.06[e] | 15.84 | 14.76[e] | 13.330(28) | 12.533(32) | 12.163(28)[r] | K6.5[c] | | 1.9[e] | -0.5(3.8) | -5.5(3.8) | 1.1(11.5) | -21(9.5) | | | |
| 1566 | 21:34:47.30 | 57:31:14.9[r] | | 74-48 | | | | | | 13.102(26) | 12.210(32) | 11.957(25)[r] | | | | -4.5(4) | -0.2(4) | | | | | |
| 1567 | 21:35:17.46 | 57:48:22.3[r] | | 81-541 | | | 17.52[e] | 16.32 | 15.18[e] | 13.399(31) | 12.469(33) | 12.037(26)[r] | K5.5[c] | | 2.3[e] | 2.2(3.8) | -1.5(3.8) | | | | | |
| 1568 | 21:38:03.51 | 57:41:35.0[r] | | 82-272 | | | 17.26[e] | 16.17 | 15[e] | 12.502(26) | 11.483(29) | 10.847(19)[r] | G9[c] | | 3.6[e] | -4.4(4) | -1.7(4) | -10(8.5) | -14.4(8.5) | | | SB2[c] |
| 1569 | 21:37:36.96 | 57:55:14.9[r] | | 83-343 | | | 16.67[e] | 15.55 | 14.43[e] | 13.006() | 12.277(45) | 11.940()[r] | M0.5[c] | | 0.9[e] | -9.8(5.1) | 8.5(5.1) | -27.7(14.2) | 47.2(14.2) | | | |
| 1570 | 21:36:12.81 | 57:53:00.4[r] | | 84-23 | | | | | | 13.904(32) | 13.422(48) | 13.308(40)[r] | | | | -0.7(3.8) | -3.5(3.8) | 5.7(10.1) | -14.6(9.9) | | | |
| 1571 | 21:38:34.71 | 57:41:27.4[r] | | 91-155 | | | 18.31[e] | 16.95 | 15.52[e] | 13.741(35) | 12.875(48) | 12.489(36)[r] | M2.5[c] | | 1.2[e] | -6.6(3.9) | -2.5(3.9) | | | | | |
| 1572 | 21:38:58.07 | 57:43:34.4[r] | | 91-506 | | | 16.84[e] | 15.76 | 14.75[e] | 13.386(31) | 12.521(36) | 12.040(22)[r] | K6.5[c] | | 1.4[e] | -1.8(5.4) | -1.9(5.4) | 46.6(9.5) | -6.6(11.2) | | | |
| 1573 | 21:39:14.65 | 57:45:17.7[r] | | 91-815 | | | 18.3[e] | 17.03 | 15.65[e] | 14.142(52) | 13.379(61) | 13.091(52)[r] | M2[c] | | 1.3[e] | -20.4(3.9) | -10.1(3.9) | | | | | |
| 1574 | 21:40:22.74 | 57:46:24.1[r] | | 92-1103 | | | 16.52[e] | 15.39 | 14.3[e] | 12.816(32) | 11.935(33) | 11.553(26)[r] | K5.5[c] | | 2[e] | 17.2(3.9) | -3.6(3.9) | | | | | |
| 1575 | 21:39:49.75 | 57:46:46.8[r] | | 92-1162 | | | 18.16[e] | 16.84 | 15.46[e] | 13.791(27) | 12.897(30) | 12.563(28)[r] | M2[c] | | 1.4[e] | -4.3(3.9) | -7.2(3.9) | | | | | |
| 1576 | 21:39:40.10 | 57:46:56.2[r] | | 92-1198 | | | | | | 13.101(32) | 12.287(28) | 12.060(26)[r] | | | | -5.1(3.8) | -3.8(3.8) | -2.6(8.1) | -1.3(8.5) | | | |
| 1577 | 21:39:44.09 | 57:42:16.0[r] | | 92-393 | | | 18.27[e] | 16.82 | 15.35[e] | 13.619(26) | 12.765(28) | 12.505(23)[r] | M2[c] | | 2[e] | 2.7(3.8) | -0.7(3.8) | | | | | |
| 1578 | 21:40:25.93 | 57:43:27.2[r] | | 92-582 | | | | | | 14.903(45) | 14.221(58) | 14.039(76)[r] | | | | -7.7(4.1) | -5.1(4.1) | | | | | |
| 1579 | 21:40:41.51 | 57:45:22.0[r] | | 92-926 | | | | | | 13.200(26) | 12.542(28) | 12.353(23)[r] | | | | 1.8(3.8) | -4.9(3.8) | 11(8.7) | 9.2(8.3) | | | |
| 1580 | 21:40:40.61 | 57:54:06.4[r] | | 93-168 | | | 16.6[e] | 15.56 | 14.6[e] | 13.423(24) | 12.520(30) | 12.092(26)[r] | K6.5[c] | | 1.2[e] | -4.3(3.8) | -9.3(3.8) | | | | | |
| 1581 | 21:39:52.37 | 57:56:18.7[r] | | 93-361 | | | 16.74[e] | 15.6 | 14.6[e] | 12.847() | 11.793() | 10.760(25)[r] | G1[c] | | 3.6[e] | -4(3.8) | 16(3.8) | | | | | |
| 1582 | 21:40:35.86 | 57:58:13.0[r] | | 93-540 | | | 18.47[e] | 17.07 | 15.81[e] | 14.176(31) | 13.177(37) | 12.646(32)[r] | M0[c] | | 2.2[e] | -0.7(3.8) | -7.5(3.8) | | | | | |
| 1583 | 21:40:09.99 | 58:00:03.7[r] | | 93-720 | | | | | | 12.709(24) | 11.580(30) | 10.940(22)[r] | | | | -5.8(3.8) | -7.6(3.8) | -8.9(7.4) | -13.5(7.6) | | | |
| 1584 | 21:38:26.69 | 58:02:37.8[r] | | 94-1050 | | | | | | 14.328(39) | 13.568(42) | 13.235(40)[r] | | | | -3.8(3.8) | -4.9(3.8) | | | | | |
| 1585 | 21:38:18.62 | 58:03:28.3[r] | | 94-1119 | | | | | | 13.126(26) | 12.240(30) | 11.927(23)[r] | | | | -11.4(3.8) | -7.1(3.8) | | | | | |
| 1586 | 21:40:37.22 | 57:29:12.7[r] | | | | | | | | 14.640(53) | 13.815(53) | 13.512(61)[r] | K7.5[e] | | | -4.6(3.8) | -10.9(3.8) | | | | | faint star |
| 1587 | 21:40:21.92 | 57:30:05.4[r] | | | | | | | | 13.608(39) | 12.754(38) | 12.538(32)[r] | K6[c] | | | 0.1(5.1) | 6.2(5.1) | 11.2(7.8) | 64.9(7.7) | | | |
| 1588 | 21:40:04.52 | 57:28:36.4[r] | | | | | | | | 13.011(32) | 12.210(36) | 11.810(29)[r] | K5.0[e] | | | -11(4.1) | -6.6(4.1) | -7.4(7.6) | 1.4(7) | | | |
| 1589 | 21:39:03.21 | 57:30:42.1[r] | | | | | | | | 14.338(46) | 13.500(46) | 13.146(42)[r] | K7.0[e] | | | 25.4(5) | -8.4(5) | | | | | |
| 1590 | 21:38:56.69 | 57:30:48.4[r] | | | | | | | | 14.919(54) | 14.163(55) | 13.902(65)[r] | K5.0[e] | | | -9.1(5.4) | 15.5(5.4) | | | | | |
| 1591 | 21:38:43.51 | 57:27:27.1[r] | | | | | | | | 14.246(34) | 13.447(37) | 13.065(34)[r] | M2[c] | | | 1.1(5.4) | -3.9(5.4) | | | | | very faint opt. cp. |
| 1592 | 21:38:32.17 | 57:26:35.9[r] | | | | | | | | 14.811(45) | 13.860(44) | 13.175(34)[r] | M0[c] | | | | | | | | | faint star, ok |
| 1593 | 21:37:42.76 | 57:33:25.1[r] | | | | | | | | 12.561(23) | 11.308(26) | 10.388(21)[r] | F9[c] | | | 18.4(4.1) | -29.2(4.1) | 13(18.6) | -2.9(19.3) | | | |
| 1594 | 21:37:24.48 | 57:31:36.0[r] | | | | | | | | 14.543(32) | 13.790(46) | 13.278(38)[r] | M3.5[e] | | | | | | | | | no opt. cp. |
| 1595 | 21:37:09.37 | 57:29:48.4[r] | | | | | | | | 13.385(27) | 12.325(47) | 11.837(34)[r] | M0.5[e] | | | 0.4(4.1) | 3.4(4.1) | | | | | |
| 1596 | 21:36:59.47 | 57:31:34.9[r] | | | | | | | | 14.520(34) | 13.403(39) | 12.765(28)[r] | M0[c] | | | -16.3(4) | -9(4) | | | | | faint star, ok |
| 1597 | 21:36:47.63 | 57:29:54.1[r] | | | | | | | | 13.568() | 12.342(42) | 11.655(33)[r] | K6[c] | | | -12.6(3.8) | -0.7(3.8) | | | | | |
| 1598 | 21:36:45.97 | 57:29:33.9[r] | | | | | | | | 14.211(39) | 12.416(36) | 11.189(25)[r] | | | | -10.4(5.5) | 0.1(5.5) | | | | | faint star, ok |
| 1599 | 21:36:25.08 | 57:27:50.3[r] | | | | | | | | 14.952(44) | 14.031(48) | 13.518(40)[r] | M0[c] | | | 48.2(8.6) | 73(8.6) | | | | | SB1[c], very faint opt. cp. |
| 1600 | 21:30:45.93 | 57:12:00.1[r] | 136 | | 8.41[l] | 9.02[l] | 8.6[g] | 8.27 | 8.13[g] | 8.500(24) | 8.581(27) | 8.579(21)[r] | B1.5[P] | V[P] | | -3.3(0.7) | -4.7(0.6) | -2.4(0.5) | -4.1(0.8) | | | outFoV |
| 1601 | 21:38:26.29 | 56:58:25.3[r] | 171 | | 6.76[l] | 7.54[l] | 7.42[l] | | | 7.187(24) | 7.193(42) | 7.234(31)[r] | O9.5-B0[P] | V[P] | | -5.7(1.3) | -5.9(1.3) | -4.6(1.7) | -0.9(3.1) | | | |
| 1602 | 21:43:24.46 | 57:01:23.3[r] | 207 | | 8.56[l] | 9.18[l] | 8.92[l] | | | 8.354(24) | 8.344(44) | 8.350(44)[r] | B1[P] | V[P] | | -2.6(0.7) | -5.9(0.7) | -2.4(0.8) | -5.6(0.8) | | | |
| 1603 | 21:46:22.58 | 56:55:02.0[r] | 225 | | 9.54[l] | 9.89[l] | 9.21[l] | | | 7.620(21) | 7.460(44) | 7.363(20)[r] | B0.5[P] | V[P] | | -5.2(0.8) | -2.4(0.7) | -6.4(0.6) | -2.7(0.6) | | | outFoV |
| 1604 | 21:31:38.40 | 57:30:09.1[r] | 401 | | 7.54[l] | 8[l] | 7.42[l] | | | 5.914(24) | 5.741(31) | 5.589(20)[r] | B0[P] | Ib[P] | | -4.6(0.5) | -2.9(0.5) | -2.2(1.9) | -2.8(3.8) | | | outFoV |
| 1605 | 21:34:40.91 | 57:28:56.7[r] | 421 | | 9.49[l] | 9.43[l] | 9.32[l] | | | 8.993(39) | 8.970(26) | 8.962(20)[r] | A1[P] | V[P] | | 0(1.2) | 6.5(1.2) | -2.3(0.7) | 4.8(0.8) | | | |
| 1606 | 21:29:53.46 | 57:48:57.2[r] | 677 | | 9.17[l] | 9.6[l] | 8.42[g] | 7.97 | 7.74[g] | 8.707(18) | 8.747(28) | 8.710(22)[r] | B3[P] | IV[P] | | -4.2(0.8) | -3.5(0.8) | -4.5(0.7) | -4.5(1.2) | | | outFoV |
| 1607 | 21:30:33.41 | 58:01:51.3[r] | 682 | | 9.84[l] | 10.27[l] | 9.97[l] | | | 9.366(22) | 9.369(29) | 9.330(18)[r] | B5[P] | III[P] | | -12.4(2) | -0.3(2) | -4.5(1.2) | -3.6(0.6) | | | outFoV |
| 1608 | 21:31:25.94 | 57:53:56.5[r] | 686 | | 9.33[l] | 9.75[l] | 9.56[g] | 9.08 | 8.52[g] | 9.044(25) | 9.058(32) | 9.057()[r] | B3[P] | V[P] | | -4.9(1.3) | -2.3(1.2) | | | | | outFoV |
| 1609 | 21:36:59.64 | 58:08:24.6[r] | 710 | | 8.72[l] | 9.03[l] | 8.61[l] | | | 7.542(21) | 7.478(18) | 7.284(18)[r] | B2-3[P] | IV-V[P] | | -6.6(0.7) | -7.5(0.7) | -6.4(0.6) | -8(0.6) | | | |
| 1610 | 21:46:16.60 | 58:03:45.0[r] | 780 | | 11.12[l] | 9.3[l] | 7.39[l] | | | 3.210(240) | 2.246(198) | 1.788(226)[r] | M3[P] | Ia[P] | | -0.6(1.2) | -7.4(1.2) | 1.6(1) | -5.1(0.7) | | | outFoV |
| 1611 | 21:39:44.43 | 58:14:43.8[r] | 1025 | | 8.82[l] | 9.33[l] | 9.03[l] | | | 8.468(34) | 8.419(38) | 8.380(20)[r] | B2[P] | IV[P] | | -2.1(1.2) | -4.3(1.2) | | | | | |
| 1612 | 21:41:58.56 | 58:30:00.2[r] | 1036 | | 8.39[l] | 8.86[l] | 7.93[g] | 7.24 | 6.75[g] | 8.003(39) | 7.963(46) | 7.941(31)[r] | B2[P] | IV[P] | | -4.7(0.7) | -4.7(0.7) | -3.5(0.6) | -4.6(0.9) | | | outFoV |
| 1613 | 22:02:15.32 | 59:39:36.3[r] | 1044 | | 9.66[l] | 10.04[l] | 9.74[l] | | | 6.782(20) | 6.268(23) | 6.121(23)[r] | B2.5[P] | V[P] | | | | | | | | [m] HIP# wrong, outFoV |
| 1614 | 22:03:42.91 | 59:10:00.1[r] | 1055 | | 8.22[l] | 8.91[l] | 8.75[l] | | | 7.254(30) | 7.076(26) | 7.056(21)[r] | B1[P] | V[P] | | 60.9(1.2) | 10.1(1.2) | 60.5(0.6) | 8.4(0.8) | | | [m] HIP# wrong, outFoV |

R. Erdmann et al.: Stellar content of Trumpler 37

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | $U$ | $B$ | $V$ | $R$ | $I$ | $J$ | $H$ | $K$ | SpT | Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1615 | 21:28:57.77 | 58:44:23.3[r] | | 1240 | | 8.60[l] | 8.73[l] | 9.29[g] | 8.94 | 8.8[o] | 6.472 (20) | 6.356 (21) | 6.319 (16)[r] | O9.5-B0[p] | V[p] | | -1.6 (1.2) | -5.1 (1.2) | | | | | [m] colors inconsistent, outFoV |
| 1616 | 21:37:38.77 | 58:45:30.2[r] | | 1289 | | 7.80[l] | 7.78[l] | 7.67[l] | | | 7.241 (24) | 7.212 (46) | 7.191 (17)[r] | B9.5[p] | V[p] | | -2.5 (0.5) | -7.3 (0.5) | -2.5 (0.6) | -7.6 (0.6) | | | outFoV |
| 1617 | 21:38:14.06 | 59:10:03.1[r] | | 1293 | | 10.08[l] | 10.22[l] | 8.82[g] | 8.53 | 8.48[l] | 8.196 (29) | 8.045 (49) | 8.036 (31)[r] | B2[p] | IV[p] | | -4.6 (0.8) | -4.5 (0.8) | -4.4 (0.6) | -5.1 (1.6) | | | outFoV |
| 1618 | 21:43:22.61 | 58:50:42.3[r] | | 1318 | | 9.86[l] | 10.22[l] | 9.89[l] | | | 9.044 (23) | 8.975 (40) | 8.979 (22)[r] | B2[p] | V[p] | | -4.4 (1.3) | -3.5 (1.2) | -5 (0.6) | -2.7 (0.7) | | | outFoV |
| 1619 | 21:43:30.45 | 58:46:48.1[r] | | 1319 | | 8.79[l] | 6.42[l] | 4.07[l] | 2.07 | 0.34[o] | -0.326 (204) | -1.264 (180) | -1.620 (160)[r] | G5/M2[p] | Ib/Ia[p] | | 3.5 (1.3) | -9.4 (1.3) | | | | | outFoV |
| 1620 | 21:44:34.01 | 59:03:25.7[r] | | 1331 | | 9.22[l] | 9.76[l] | 9.51[l] | | | 8.850 (20) | 8.819 (33) | 8.691 (18)[r] | B2[p] | III-IV[p] | | 0.6 (0.8) | 0.7 (0.8) | -1.9 (1) | 1.1 (1.2) | | | outFoV |
| 1621 | 21:48:40.74 | 58:59:01.2[r] | | 1354 | | | | | | | 10.299 (28) | 10.255 (36) | 10.184 (26)[r] | B9[p] | V[p] | | -6.7 (2) | -6.6 (2.1) | -3.8 (2) | -6.7 (0.9) | | | outFoV |
| 1622 | 21:27:32.59 | 59:17:40.7[r] | | 1492 | | | | | | | 8.010 (21) | 7.918 (27) | 7.749 ()[r] | B2[p] | V[p] | | -2.8 (0.7) | -3.4 (0.7) | -2.2 (0.6) | -3.9 (0.6) | | | |
| 1623 | 21:32:20.70 | 59:34:21.0[r] | | 1513 | | | | | | | 7.128 (24) | 7.034 (27) | 7.043 (17)[r] | B1.5[p] | V[p] | | -3.2 (1.3) | -0.7 (1.4) | | | | | outFoV |
| 1624 | 21:34:22.58 | 59:28:43.9[r] | | 1522 | | | | | | | 7.733 (27) | 7.510 (34) | 7.222 (33)[r] | B2[p] | III[p] | | -2 (1.2) | -2 (1.3) | -3.7 (0.7) | -3.3 (1.7) | | | outFoV |
| 1625 | 21:47:39.80 | 59:42:01.4[r] | | 1588 | | 6.98[l] | 7.62[l] | 7.29[l] | | | 6.761 (41) | 6.756 (24) | 6.760 (15)[r] | O9.5-B0[p] | V[p] | | -2.3 (0.6) | -2.6 (0.5) | -2.9 (0.6) | -1.6 (0.6) | | | outFoV |
| 1626 | 21:25:58.39 | 60:09:42.8[r] | | 1732 | | | | | | | 9.321 (39) | 9.273 (42) | 9.192 (32)[r] | B5[p] | V[p] | | -25.6 (1.6) | -9.4 (1.2) | -13 (3.2) | -6 (1.4) | | | outFoV |
| 1627 | 21:25:26.63 | 58:09:06.4[r] | | 5001 | | 16.21[k] | 15.63[k] | 14.61[n] | | | 12.305 (27) | 11.906 (29) | 11.747 (42)[r] | | | | -24.2 (3.9) | -12.1 (3.9) | -62.8 (7.2) | -17.6 (7.3) | | | outFoV |
| 1628 | 21:25:51.06 | 58:11:03.4[r] | | 5002 | | | 16.33[k] | 14.92[n] | | | 11.374 (23) | 10.608 (23) | 10.364 (19)[r] | | | | 0 (3.9) | 3.3 (3.9) | -9.7 (7.3) | -1.2 (7.2) | | | outFoV |
| 1629 | 21:26:24.84 | 57:52:51.4[r] | | 5003 | | | 17.34[k] | 15.62[n] | | | 11.397 (22) | 10.472 (19) | 10.174 (17)[r] | | | | -2.9 (3.9) | 2.5 (3.9) | -9.1 (7.3) | 23.7 (7.4) | | | outFoV |
| 1630 | 21:26:37.78 | 57:57:31.8[r] | | 5004 | | | 16.5[k] | 15.9[n] | | | 13.441 (39) | 12.954 (42) | 12.839 (47)[r] | | | | -7.3 (3.9) | -4.7 (3.9) | | | | | outFoV |
| 1631 | 21:26:39.92 | 57:46:17.8[r] | | 5005 | | | 17.5[k] | 16.5[n] | | | 11.209 (21) | 10.179 (17) | 9.873 (15)[r] | | | | 3.7 (4.7) | -1.5 (4.7) | -22.3 (7.2) | 4.9 (7) | | | outFoV |
| 1632 | 21:27:58.14 | 57:08:57.8[r] | | 5006 | | | 17.32[k] | 15.52[n] | | | 10.693 (20) | 9.655 (18) | 9.312 (19)[r] | | | | 0.5 (5.1) | -5.3 (5.1) | -13 (6.9) | 0.4 (6.9) | | | outFoV |
| 1633 | 21:28:04.33 | 57:02:32.7[r] | | 5007 | | 16.17[k] | 16.12[k] | 14.83[n] | | | 12.455 (23) | 11.945 (21) | 11.799 (25)[r] | | | | 5.3 (4.2) | 4 (4.2) | -16.9 (6.8) | -1.4 (6.8) | | | outFoV |
| 1634 | 21:28:33.73 | 56:28:39.9[r] | | 5008 | | | 15.81[k] | 14.1[n] | | | 10.880 (23) | 10.128 (19) | 9.881 (15)[r] | K7[q] | | | 5.5 (5.2) | -2 (5.2) | 8.1 (7.2) | -1.8 (7.1) | | | outFoV |
| 1635 | 21:29:03.33 | 57:53:27.2[m] | | 5009 | | | 17.36[k] | 15.07[n] | | | | | | | | | | | | | | | outFoV |
| 1636 | 21:29:08.17 | 57:30:24.4[r] | | 5010 | | 16.43[k] | 15.94[k] | 14.58[n] | | | 11.715 (21) | 11.215 (19) | 11.005 (19)[r] | | | | 6.8 (4) | 0.5 (4) | 12.2 (6.3) | 17 (6.3) | | | |
| 1637 | 21:29:06.58 | 58:33:35.2[r] | | 5011 | | | 17.4[k] | 15.97[n] | | | 12.348 (20) | 11.459 (18) | 11.255 (17)[r] | | | | 1.3 (3.9) | 1.4 (3.9) | -5.3 (7.7) | -0.2 (7.8) | | | outFoV |
| 1638 | 21:29:36.54 | 58:30:07.2[r] | | 5012 | | | 16.21[k] | 14.63[n] | | | 11.648 (22) | 10.998 (28) | 10.802 (21)[r] | | | | -2.9 (3.8) | -3.2 (3.8) | -10.5 (7.3) | -6.5 (7.2) | | | outFoV |
| 1639 | 21:29:47.51 | 57:26:52.0[r] | | 5013 | | 16.80[k] | 15.6[k] | 13.92[n] | | | 10.992 (23) | 10.316 (28) | 10.141 (22)[r] | | | | 3.2 (4.1) | 12.2 (4.1) | 1.7 (7.2) | 5.3 (7.2) | | | outFoV |
| 1640 | 21:29:57.92 | 56:26:57.9[r] | | 5014 | | | | 15.4[n] | | | 10.317 (22) | 9.271 (26) | 8.909 (22)[r] | | | | 2.4 (5.1) | -5.8 (5.1) | -6.5 (7.1) | -6.2 (7.5) | | | outFoV |
| 1641 | 21:30:15.27 | 56:58:48.0[r] | | 5015 | | | 17.29[k] | 15.23[n] | | | 10.968 (22) | 10.093 (28) | 9.750 (22)[r] | M3[q] | | | 1.5 (5.1) | -1.1 (5.1) | 1.9 (6.8) | -23 (6.8) | | | outFoV |
| 1642 | 21:04:17.62 | 57:03:06.0[m] | | 5016 | | 15.95[k] | 15.54[k] | 14.47[n] | | | | | | | | | 0.7 (8) | 0 (8) | | | | | [m] wrong, outFoV |
| 1643 | 21:30:27.20 | 56:58:40.3[r] | | 5017 | | 16.61[k] | 16.1[k] | 14.74[n] | | | 12.815 (28) | 12.433 (38) | 12.257 (34)[r] | F4[q] | | | -61.9 (19.1) | -40.6 (19.1) | | | | | outFoV |
| 1644 | 21:30:29.24 | 58:31:07.7[r] | | 5018 | | | 17[k] | 15.16[n] | | | 10.680 (23) | 9.617 (28) | 9.274 (21)[r] | | | | 1 (4.7) | -4.1 (4.7) | -3.2 (7.3) | -6.5 (7.4) | | | outFoV |
| 1645 | 21:30:46.23 | 59:04:09.8[r] | | 5019 | | | 16.12[k] | 15.47[n] | | | 11.906 (22) | 11.207 (28) | 10.965 (23)[r] | | | | -1.5 (3.8) | -5.8 (3.8) | -7.6 (7.6) | -2.6 (7.6) | | | outFoV |
| 1646 | 21:30:50.93 | 57:21:43.2[r] | | 5020 | | 16.11[k] | 15.5[k] | 14.82[n] | | | 12.747 (25) | 12.471 (28) | 12.326 (24)[r] | | | | 1.1 (4.1) | 7.1 (4.1) | 1.9 (6.8) | 6.1 (6.8) | | | outFoV |
| 1647 | 21:31:02.33 | 59:06:05.0[r] | | 5021 | | | 16.78[k] | 15.78[n] | | | 13.228 (26) | 12.736 (33) | 12.618 (29)[r] | | | | -6.6 (3.8) | -10.1 (3.8) | -13.5 (8.1) | -7.9 (10) | | | outFoV |
| 1648 | 21:31:26.37 | 59:08:10.4[r] | | 5022 | | | 16.2[k] | 15.27[n] | | | 11.812 (24) | 11.046 (32) | 10.773 (23)[r] | | | | -0.3 (3.8) | -31.9 (3.8) | -18.1 (7.7) | -34.8 (7.2) | | | outFoV |
| 1649 | 21:31:34.39 | 57:12:52.1[m] | | 5023 | | 15.20[k] | 14.3[k] | 13.14[n] | | | | | | | | | | | | | | | outFoV |
| 1650 | 21:31:35.83 | 56:57:47.7[r] | | 5024 | | 16.63[k] | 16.13[k] | 14.7[n] | | | 12.112 (21) | 11.676 (26) | 11.495 (22)[r] | | | | 3.2 (4.1) | 0.2 (4.1) | 2.9 (6.8) | 10.7 (6.8) | | | outFoV |
| 1651 | 21:31:43.32 | 56:37:55.9[r] | | 5025 | | | 16.5[k] | 14.45[n] | | | 10.406 (21) | 9.495 (31) | 9.156 (20)[r] | M0[q] | | | 5.5 (5.1) | -5.5 (5.1) | 53.7 (6.9) | -37 (6.9) | | | outFoV |
| 1652 | 21:31:37.63 | 59:08:29.3[r] | | 5026 | | | | 17[n] | | | 13.143 (24) | 12.515 (32) | 12.249 (25)[r] | | | | -2.6 (3.8) | -3.3 (3.8) | -3.7 (8.2) | -13.5 (8.3) | | | |
| 1653 | 21:31:46.08 | 56:37:53.5[r] | | 5027 | | | 16.68[k] | 14.94[n] | | | 11.269 (23) | 10.557 (30) | 10.284 (20)[r] | | | | -0.9 (4.1) | -0.2 (4.1) | -5.4 (6.8) | 2.3 (6.8) | | | |
| 1654 | 21:32:02.65 | 56:36:18.9[r] | | 5028 | | | 16.56[k] | 14.59[n] | | | 10.928 (23) | 10.132 (31) | 9.830 (22)[r] | | | | 1.5 (5.1) | -9.3 (5.1) | 9.5 (7) | -43.5 (6.9) | | | |
| 1655 | 21:32:28.79 | 57:43:31.8[r] | | 5029 | | 16.22[k] | 16.79[k] | 15.74[n] | | | 13.165 (32) | 12.709 (42) | 12.485 (33)[r] | | | | -11.7 (4) | -9.1 (4) | -56.9 (7.1) | -23 (9.1) | | | |
| 1656 | 21:33:07.73 | 56:16:19.1[m] | | 5030 | | | 17.18[k] | 15.71[n] | | | | | | | | | | | | | | | |
| 1657 | 21:33:11.98 | 56:19:56.2[r] | | 5031 | | 16.03[k] | 15.02[k] | 14.52[n] | | | 11.724 (25) | 11.436 (30) | 11.300 (24)[r] | | | | 1.9 (4.1) | 2.7 (4.1) | 4 (6.9) | 20.1 (6.9) | | | |
| 1658 | 21:33:19.74 | 56:25:34.8[r] | | 5032 | | | | 14.91[n] | | | 16.328 (124) | 15.579 (158) | 15.456 (196)[r] | | | | | | | | | | outFoV |
| 1659 | 21:33:29.70 | 57:56:28.2[r] | | 5033 | | 16.05[k] | 15.75[k] | 14.52[n] | | | 12.368 (24) | 11.986 (28) | 11.862 (23)[r] | | | | -1 (3.8) | 0.4 (3.8) | -3.1 (7.3) | -0.1 (7.3) | | | |
| 1660 | 21:33:33.90 | 56:22:55.9[r] | | 5034 | | | | 17[n] | | | 10.003 (23) | 8.768 (28) | 8.314 (21)[r] | | | | 1.4 (5.1) | -6.4 (5.1) | | | | | outFoV |
| 1661 | 21:33:42.90 | 56:48:27.8[r] | | 5035 | | | | 15.19[n] | | | 11.352 (23) | 10.529 (28) | 10.242 (21)[r] | | | | -3.9 (4.1) | -1.4 (4.1) | -12.6 (7) | 2.4 (6.9) | | | |
| 1662 | 21:33:47.96 | 56:51:11.9[r] | | 5036 | | | 16.34[k] | 14.89[n] | | | 12.907 (26) | 12.374 (32) | 12.292 (25)[r] | | | | 1.3 (4.1) | -5.4 (4.1) | 5.3 (6.8) | -1.5 (6.9) | | | |
| 1663 | 21:34:03.33 | 58:05:17.8[r] | | 5037 | | 15.99[k] | 15.59[k] | 14.87[n] | | | 12.809 (26) | 12.493 (35) | 12.304 (28)[r] | | | | -7.3 (3.8) | -5.5 (3.8) | -19.7 (8.2) | -14.9 (8.3) | | | |
| 1664 | 21:34:13.33 | 57:00:48.6[r] | | 5038 | | 16.05[k] | 15.87[k] | 14.83[n] | | | 12.638 (25) | 12.238 (34) | 12.099 (26)[r] | | | | 2.9 (4.1) | 2.6 (4.1) | 4.2 (6.8) | 14.6 (6.8) | | | |
| 1665 | 21:34:18.21 | 57:14:32.6[r] | | 5039 | | 14.66[k] | 14.25[k] | 14.14[n] | | | 12.670 (52) | 12.469 (35) | 12.412 (31)[r] | | | | -149.5 (13.3) | 48.8 (13.3) | | | | | near 1072 |
| 1666 | 21:34:25.33 | 56:48:58.7[r] | | 5040 | | | 16.8[k] | 15.12[n] | | | 11.368 (23) | 10.520 (27) | 10.320 (24)[r] | | | | -1.5 (4.1) | -1.9 (4.1) | -7.6 (6.9) | 4.1 (6.8) | | | |
| 1667 | 21:34:36.16 | 56:32:54.5[r] | | 5041 | | | 14.76[k] | 13.67[n] | | | 12.205 (28) | 11.819 (31) | 11.713 (25)[r] | F8[q] | | | 25.4 (4.1) | 27 (4.1) | | | | | outFoV |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA WEB-DA | SHB-2004 | $U$ mag | $B$ mag | $V$ mag | $R$ mag | $I$ mag | $J$ mag | $H$ mag | $K$ mag | SpT | Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1668 | 21:34:34.81 | 57:14:16.4[r] | | 5042 | | | 17[n] | | | 12.502 (24) | 11.788 (31) | 11.578 (26)[r] | | | | -6.2 (4.1) | -1.4 (4.1) | -17.1 (7) | 5.2 (7.1) | | | |
| 1669 | 21:34:39.84 | 57:35:54.5[r] | | 5043 | | | 16.5[n] | | | 11.706 (22) | 10.751 (26) | 10.447 (21)[r] | | | | 2.3 (3.8) | -1.6 (3.8) | -11.1 (7.1) | 5.5 (7.1) | | | |
| 1670 | 21:34:47.44 | 56:34:30.1[r] | | 5044 | 16.75[k] | 15.32[k] | 14.26[n] | | | 11.747 (24) | 11.373 (28) | 11.226 (22)[r] | | | | -5.8 (4.1) | -4.8 (4.1) | -3.7 (6.8) | 2 (6.8) | | | Simbad wrong, outFoV |
| 1671 | 21:35:03.30 | 56:38:11.6[r] | | 5045 | 16.31[k] | 15.9[k] | 14.04[n] | | | 12.131 (21) | 11.679 (29) | 11.528 (23)[r] | | | | -5 (4.1) | 1.3 (4.1) | -13.9 (6.8) | 6.4 (6.8) | | | outFoV |
| 1672 | 21:35:04.46 | 56:12:11.7[m] | | 5046 | | 16.04[k] | 15.47[n] | | | | | | | | | | | | | | | outFoV |
| 1673 | 21:35:19.02 | 56:34:38.6[r] | | 5047 | 16.18[k] | 15.42[k] | 14.21[n] | | | 11.867 (24) | 11.422 (33) | 11.282 (26)[r] | | | | 17.9 (4.1) | 0.9 (4.1) | 58.8 (6.8) | 16.1 (6.8) | | | outFoV |
| 1674 | 21:35:16.75 | 57:45:10.1[r] | | 5048 | | | 15.1[n] | | | 12.537 (24) | 11.691 (29) | 11.413 (23)[r] | | | | -5.9 (4) | -6.6 (4) | -0.8 (8.8) | 2.2 (8.6) | | | |
| 1675 | 21:35:21.63 | 56:18:20.4[r] | | 5049 | 16.92[k] | 16.41[k] | 15.31[n] | | | 12.885 (48) | 12.472 (68) | 12.285 (30)[r] | | | | -16 (4.1) | 16.4 (4.1) | -59.1 (7.1) | 71.5 (7) | | | outFoV |
| 1676 | 21:35:21.56 | 57:45:14.4[r] | | 5050 | | | 15.1[n] | | | 12.000 (24) | 11.142 (28) | 10.827 (21)[r] | | | | -7.3 (3.8) | -3 (3.8) | -5.6 (7.7) | -12.8 (8.7) | | | |
| 1677 | 21:35:32.31 | 56:23:21.4[r] | | 5051 | | 17.04[k] | 15.12[n] | | | 11.241 (24) | 10.442 (30) | 10.187 (20)[r] | | | | 6.5 (4.1) | -1.7 (4.1) | -2.5 (6.9) | 3.4 (6.9) | | | outFoV |
| 1678 | 21:35:33.34 | 56:50:51.5[r] | | 5052 | 16.27[k] | 15.73[k] | 14.09[n] | | | 12.098 (32) | 11.669 (41) | 11.519 (24)[r] | | | | 27.3 (4.1) | 8.7 (4.1) | | | | | |
| 1679 | 21:35:39.15 | 57:02:04.3[r] | | 5053 | 16.06[k] | 15.37[k] | 14.08[n] | | | 12.560 (27) | 12.216 (32) | 12.064 (25)[r] | | | | 200.5 (7.6) | -268.8 (7.6) | -0.2 (6.8) | -10.6 (6.8) | | | |
| 1680 | 21:35:42.03 | 56:07:07.4[r] | | 5054 | | 16.5[k] | 15.97[n] | | | 11.251 (24) | 10.377 (29) | 10.040 (21)[r] | | | | 1.6 (4.1) | -5.5 (4.1) | -6 (7.1) | 8.5 (7.2) | | | outFoV |
| 1681 | 21:35:42.67 | 56:49:19.1[r] | | 5055 | 16.03[k] | 15.83[k] | 14.48[n] | | | 12.403 () | 12.004 (43) | 11.809 ()[r] | | | | -2.2 (4.1) | 2.5 (4.1) | | | | | |
| 1682 | 21:35:48.64 | 57:20:28.3[r] | | 5056 | 16.13[k] | 16.32[f] | 15.16[e] | | | 13.341 (24) | 12.953 (32) | 12.831 (29)[r] | F9[e] | | 1.9[e] | -5.1 (4.1) | 2.7 (4.1) | -3.7 (6.9) | 2 (7) | | | |
| 1683 | 21:35:51.43 | 57:15:19.7[r] | | 5057 | | | 16.5[n] | | | 13.800 (31) | 13.395 (39) | 13.268 (42)[r] | | | | -3 (4.1) | 1.8 (4.1) | -2.4 (6.8) | 25.7 (7.1) | | | |
| 1684 | 21:35:56.56 | 57:05:04.6[r] | | 5059 | 16.31[k] | 15.4[k] | 14.25[n] | | | 12.511 (24) | 12.047 (29) | 11.914 (23)[r] | | | | 11.4 (4.1) | 2 (4.1) | 4.6 (6.8) | 35.7 (6.8) | | | |
| 1685 | 21:35:58.75 | 57:03:14.5[m] | | 5060 | 15.86[k] | 15.41[k] | 14.48[n] | | | | | | | | | | | | | | | no star |
| 1686 | 21:35:58.74 | 59:11:07.5[r] | | 5061 | 17.30[k] | 16.31[k] | 15.47[n] | | | 12.985 (24) | 12.585 (29) | 12.450 (28)[r] | | | | -3.4 (3.8) | -5.3 (3.8) | -14.9 (7.8) | -3.5 (7.6) | | | outFoV |
| 1687 | 21:36:13.29 | 56:15:47.2[r] | | 5062 | | 16.16[k] | 15.42[n] | | | 12.074 () | 11.465 () | 11.262 (27)[r] | | | | 0.3 (4.1) | 0.5 (4.1) | 2.5 (6.2) | 18.8 (6.8) | | | outFoV |
| 1688 | 21:36:13.90 | 59:04:37.2[r] | | 5063 | | 15.97[k] | 14.84[n] | | | 12.845 (45) | 12.469 (51) | 12.339 (45)[r] | | | | -24.5 (3.8) | 1.2 (3.8) | | | | | outFoV |
| 1689 | 21:36:17.27 | 59:06:52.4[r] | | 5064 | | | 15.58[n] | | | 11.524 (24) | 10.562 (27) | 10.284 (21)[r] | | | | 1 (3.8) | -3.3 (3.8) | -6.8 (7.6) | 0.5 (8.4) | | | outFoV |
| 1690 | 21:36:19.58 | 58:48:48.4[r] | | 5065 | | 17.1[k] | 15.89[n] | | | 11.924 (23) | 11.052 (27) | 10.800 (20)[r] | | | | -0.1 (3.8) | -21.9 (3.8) | -0.3 (7.5) | -16.2 (7.6) | | | outFoV |
| 1691 | 21:36:33.23 | 59:01:02.1[r] | | 5067 | | 15.9[k] | 15.16[n] | | | 12.744 (27) | 12.439 (32) | 12.317 (26)[r] | | | | -1.2 (3.8) | -3 (3.8) | -4 (7.3) | -3.3 (7.4) | | | outFoV |
| 1692 | 21:36:51.82 | 57:59:05.7[r] | | 5069 | | | 16.3[n] | | | 12.111 (26) | 11.260 (29) | 11.016 (22)[r] | | | | 6.2 (3.8) | 1.4 (3.8) | 1.9 (7.8) | 14.8 (7.7) | | | |
| 1693 | 21:37:00.91 | 58:47:30.3[r] | | 5070 | 16.38[k] | 15.21[k] | 14.1[n] | | | 12.105 (39) | 11.721 (46) | 11.578 (38)[r] | | | | -33.3 (3.8) | -1.5 (3.8) | | | | | outFoV |
| 1694 | 21:37:07.08 | 58:07:18.3[r] | | 5071 | | 16.7[k] | 15.05[n] | | | 11.330 (19) | 10.535 (28) | 10.268 (26)[r] | | | | -3.4 (3.8) | -9.6 (3.8) | -11.1 (10.4) | 8.4 (9.7) | | | |
| 1695 | 21:37:54.88 | 56:38:38.3[r] | | 5072 | 14.53[k] | 14.78[k] | 14.08[n] | | | 12.521 (24) | 12.277 (29) | 12.175 (18)[r] | | | | -2.8 (4) | -0.1 (4) | -7.7 (6.8) | 4.1 (6.8) | | | outFoV |
| 1696 | 21:37:59.28 | 58:41:24.1[r] | | 5074 | | | 16.4[n] | | | 11.923 (26) | 11.037 (30) | 10.697 (18)[r] | | | | -8 (3.8) | -9.5 (3.8) | -5 (7.5) | -5.8 (7.5) | | | outFoV |
| 1697 | 21:38:11.68 | 59:10:48.7[r] | | 5076 | | | 16.5[n] | | | 11.897 (27) | 10.853 (27) | 10.572 (20)[r] | | | | -2.9 (3.8) | -6.8 (3.8) | -4.9 (8.1) | -2.6 (9.9) | | | outFoV, [m] wrong |
| 1698 | 21:38:26.03 | 56:10:27.2[r] | | 5077 | | | 16.3[n] | | | 13.161 (41) | 12.752 (51) | 12.565 (39)[r] | | | | 9.2 (4) | 12 (4) | | | | | outFoV |
| 1699 | 21:38:22.13 | 59:10:40.2[r] | | 5078 | 16.96[k] | 16.04[k] | 14.58[n] | | | 11.951 (26) | 11.442 (28) | 11.306 (24)[r] | | | | -5.3 (3.8) | -9.1 (3.8) | -9.4 (8.1) | -14.9 (7.4) | | | outFoV |
| 1700 | 21:38:40.21 | 58:11:10.4[r] | | 5079 | | | 15.61[n] | | | 11.241 (26) | 10.247 (32) | 9.932 (19)[r] | | | | -2.1 (4.7) | -5.9 (4.7) | -9.4 (8.1) | -14.9 (7.4) | | | |
| 1701 | 21:38:42.32 | 57:30:27.8[r] | | 5080 | | | 15.5[n] | | | 9.748 (23) | 8.087 (40) | 6.960 (18)[r] | | | | -6.2 (4.9) | 0 (4.9) | -7.7 (6.4) | 2.5 (6.5) | | | |
| 1702 | 21:39:07.73 | 55:57:58.8[r] | | 5081 | | 15.54[k] | 14.49[n] | | | 13.222 () | 12.950 (41) | 12.804 (45)[r] | | | | 6.3 (4) | -35.5 (4) | | | | | outFoV |
| 1703 | 21:39:13.28 | 56:05:24.4[r] | | 5082 | 15.06[k] | 15.3[k] | 14.49[n] | | | 12.999 (26) | 12.895 (33) | 12.711 (36)[r] | | | | -0.4 (4) | 2.3 (4) | -3.7 (6.8) | 0.7 (6.8) | | | outFoV |
| 1704 | 21:39:40.12 | 58:15:01.7[r] | | 5088 | | 16.85[k] | 15.61[n] | | | 12.305 () | 11.456 () | 11.180 ()[r] | | | | 2.8 (3.8) | -6.2 (3.8) | -12.6 (7.8) | 10.7 (8.3) | | | |
| 1705 | 21:40:00.16 | 58:55:11.5[r] | | 5090 | | 16.85[k] | 15.05[n] | | | 11.232 (24) | 10.392 (29) | 10.097 (21)[r] | | | | -3.8 (3.8) | -10.1 (3.8) | -8.8 (7.3) | -13.2 (7.3) | | | |
| 1706 | 21:40:27.41 | 57:31:45.3[r] | | 5094 | | 16.6[k] | 14.98[n] | | | 10.937 (24) | 9.924 (28) | 9.619 (21)[r] | M1[q] | | | -0.6 (4.9) | -9.2 (4.9) | -7.7 (7.3) | -13.2 (7.4) | | | |
| 1707 | 21:40:47.53 | 56:40:45.2[r] | | 5095 | | 16.74[k] | 15.16[n] | | | 11.742 (26) | 10.916 (28) | 10.684 (19)[r] | | | | -3 (4.1) | 1.5 (4.1) | -7.8 (6.9) | 9 (6.9) | | | outFoV |
| 1708 | 21:40:48.51 | 57:40:01.2[r] | | 5096 | 16.22[k] | 16.46[k] | 15.04[n] | | | 13.020 (24) | 12.579 (35) | 12.499 (30)[r] | | | | 33 (3.9) | -71.6 (3.9) | 14.3 (7.4) | -47.8 (7.8) | | | |
| 1709 | 21:41:02.55 | 57:59:32.3[r] | | 5098 | | 16.55[k] | 15.34[n] | | | 11.883 (21) | 11.068 (31) | 10.846 (22)[r] | G2:[q] | | | -1.3 (3.8) | -10.7 (3.8) | 19.3 (8.2) | -85.3 (8.8) | | | [m] wrong |
| 1710 | 21:41:04.08 | 58:59:34.8[r] | | 5099 | | 15.73[k] | 14.5[n] | | | 11.741 (21) | 11.076 (28) | 10.837 (20)[r] | | | | 6.4 (3.8) | -3.2 (3.8) | 38.5 (7.3) | -7.6 (7.4) | | | outFoV |
| 1711 | 21:41:21.52 | 59:20:55.2[r] | | 5101 | | 15.13[k] | 14.49[n] | | | 12.797 (25) | 12.269 (29) | 12.201 (23)[r] | | | | 7.3 (3.8) | -13.2 (3.8) | 9.7 (8) | -11 (8) | | | outFoV |
| 1712 | 21:41:24.48 | 58:12:56.4[r] | | 5102 | | 16.6[k] | 15.54[n] | | | 12.945 (24) | 12.490 (31) | 12.299 (24)[r] | | | | -3.7 (3.8) | -5 (3.8) | -8 (7.6) | -11.4 (7.4) | | | |
| 1713 | 21:41:39.56 | 58:13:21.9[r] | | 5103 | | 16.86[k] | 14.67[n] | | | 10.232 (26) | 9.244 (32) | 8.865 (21)[r] | G9[q] | | | 6.3 (4.8) | -5.1 (4.8) | 9.5 (6.8) | -22.2 (6.8) | | | |
| 1714 | 21:41:39.80 | 58:11:50.3[r] | | 5104 | 14.71[k] | 14.99[k] | 13.81[n] | | | 11.726 (24) | 11.300 (32) | 11.163 (23)[r] | G0[q] | | | -12.2 (3.8) | 9.3 (3.8) | -3.8 (7.2) | 2.4 (7.2) | | | |
| 1715 | 21:41:55.21 | 58:09:27.4[r] | | 5105 | | 17[k] | 16[n] | | | 13.587 (32) | 13.135 (35) | 12.958 (32)[r] | | | | -1.3 (3.8) | -12.7 (3.8) | 12.2 (7.9) | -27.2 (7.9) | | | |
| 1716 | 21:42:04.06 | 57:03:59.1[r] | | 5106 | | 16.86[k] | 14.77[n] | | | 11.180 (26) | 10.408 (32) | 10.100 (22)[r] | | | | -0.7 (4.1) | -7.8 (4.1) | -2.9 (6.9) | 5.6 (6.9) | | | |
| 1717 | 21:42:11.63 | 57:37:08.5[r] | | 5108 | | | 15[n] | | | 11.127 (24) | 10.121 (30) | 9.757 (21)[r] | | | | -4.2 (4.7) | -3.4 (4.7) | -6.9 (8.3) | -13.4 (7.7) | | | |
| 1718 | 21:42:15.33 | 57:03:51.4[r] | | 5109 | 16.13[k] | 16[k] | 14.95[n] | | | 13.213 (29) | 12.932 (32) | 12.828 (34)[r] | | | | -9.9 (4.1) | -6.1 (4.1) | -19.3 (7) | 5.1 (7) | | | |
| 1719 | 21:42:16.06 | 58:01:12.9[r] | | 5110 | | 17.13[k] | 15.36[n] | | | 11.613 (26) | 10.778 (32) | 10.504 (21)[r] | K0[q] | | | 6.1 (3.8) | 2.9 (3.8) | 48.3 (8.3) | 15.3 (8.9) | | | |
| 1720 | 21:42:35.03 | 56:28:10.5[r] | | 5111 | | 17.1[k] | 15.2[n] | | | 11.364 (25) | 10.588 (31) | 10.300 (20)[r] | | | | -7.5 (4.1) | -10.6 (4.1) | -11.2 (7) | -4.5 (6.9) | | | outFoV |

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA J2000 hh:mm:ss.ss | Dec dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1721 | 21:42:44.27 | 58:59:50.6[r] | | 5113 | | | 16.05[k] | 15.36[n] | | | 13.356 (39) | 12.847 (47) | 12.636 (37)[r] | | | -5.2 (3.8) | 4.1 (3.8) | -35.3 (7.6) | 15.1 (7.6) | | | outFoV |
| 1722 | 21:43:01.87 | 56:27:42.1[r] | | 5114 | | 15.95[k] | 15.17[k] | 14.34[n] | | | 12.540 (29) | 12.122 (30) | 12.044 (23)[r] | F4[q] | | -2.3 (4.1) | 1 (4.1) | -11 (6.9) | 9.5 (7.1) | | | outFoV |
| 1723 | 21:43:04.43 | 56:28:52.0[r] | | 5115 | | 17.28[k] | 15.82[k] | 14.16[n] | | | 11.065 (27) | 10.351 (30) | 10.146 (21)[r] | K3[q] | | -7.3 (4.1) | -11 (4.1) | -5.5 (6.9) | -9.7 (6.9) | | | outFoV |
| 1724 | 21:43:05.90 | 57:39:00.1[r] | | 5116 | | 16.51[k] | 16.47[k] | 15.55[n] | | | 13.342 (27) | 12.835 (35) | 12.701 (30)[r] | | | -18.5 (3.8) | -15.1 (3.8) | -17.9 (7.5) | -18.8 (7.5) | | | |
| 1725 | 21:43:20.72 | 56:24:20.0[r] | | 5117 | | | 16.69[k] | 15.36[n] | | | 10.984 (29) | 10.033 (31) | 9.710 (21)[r] | | | -6.5 (5.2) | -9.5 (5.2) | -73 (7.4) | -6.2 (7) | | | outFoV |
| 1726 | 21:43:21.48 | 57:30:15.7[r] | | 5118 | | | 16.61[k] | 14.79[n] | | | 9.059 (26) | 7.611 (36) | 7.010 (23)[r] | | | -8.3 (6.3) | 1.1 (6.3) | | | | | |
| 1727 | 21:43:32.55 | 57:24:01.6[r] | | 5119 | | 16.04[k] | 16.09[k] | 14.95[n] | | | 12.416 (25) | 11.797 (31) | 11.689 (21)[r] | | | -22.2 (4.1) | -20.9 (4.1) | -11.8 (7) | -3 (6.9) | | | |
| 1728 | 21:43:45.56 | 57:07:56.7[r] | | 5120 | | 15.72[k] | 15.51[k] | 14.54[n] | | | 12.686 (23) | 12.307 (30) | 12.142 (21)[r] | | | -9.1 (4.1) | -5.3 (4.1) | 0.7 (6.9) | 9.2 (6.9) | | | |
| 1729 | 21:43:46.87 | 59:08:13.4[r] | | 5121 | | 16.71[k] | 16.58[k] | 15.24[n] | | | 11.831 (23) | 11.086 (32) | 10.754 (21)[r] | | | -7.2 (3.8) | -5.4 (3.8) | 5.9 (7.6) | -1.9 (7.2) | | | outFoV |
| 1730 | 21:43:51.15 | 57:30:25.9[r] | | 5122 | | 16.17[k] | 15.94[k] | 15.05[n] | | | 13.020 (24) | 12.705 (32) | 12.549 (24)[r] | | | -4.1 (4) | -1.8 (4) | -2.4 (7.3) | -20.1 (7.3) | | | |
| 1731 | 21:44:07.97 | 59:11:03.5[r] | | 5124 | | | | 16.5[n] | | | 12.363 (36) | 11.554 (46) | 11.219 (42)[r] | | | 10.2 (3.8) | 4.4 (3.8) | 40.6 (8.3) | 19.8 (8.2) | | | outFoV |
| 1732 | 21:44:15.38 | 58:25:08.4[r] | | 5125 | | 16.93[k] | 16.23[k] | 14.9[n] | | | 13.349 (26) | 13.006 (35) | 12.820 (23)[r] | | | 0.9 (3.8) | -7.3 (3.8) | -0.8 (7.4) | -17 (8.2) | | | outFoV |
| 1733 | 21:44:25.90 | 57:08:28.0[r] | | 5126 | | | 17.4[k] | 15.8[n] | | | 9.721 (23) | 8.444 (24) | 8.012 (16)[r] | | | -4.9 (5.1) | -4.8 (5.1) | 33.4 (7) | 13.5 (7.1) | | | |
| 1734 | 21:44:39.59 | 57:20:00.6[r] | | 5127 | | 15.91[k] | 15.57[k] | 15.08[n] | | | 13.020 (29) | 12.602 (31) | 12.462 (28)[r] | | | 2.1 (4.1) | -3.4 (4.1) | 22.3 (7.5) | 11.6 (7) | | | |
| 1735 | 21:44:35.58 | 59:05:25.5[r] | | 5128 | | | 16.2[k] | 15.36[n] | | | 12.232 (27) | 11.470 (32) | 11.235 (23)[r] | | | -13.5 (3.8) | -8.4 (3.8) | -11.6 (7.5) | -18 (7.5) | | | outFoV |
| 1736 | 21:44:52.38 | 58:30:43.5[r] | | 5129 | | | 16.86[k] | 15.3[n] | | | 11.643 (34) | 10.815 (36) | 10.562 (29)[r] | | | 2.2 (3.8) | -9.8 (3.8) | -2.6 (7.2) | -13.3 (7.3) | | | outFoV |
| 1737 | 21:45:27.46 | 56:32:25.1[r] | | 5130 | | 18.24[k] | 17.35[k] | 15.66[n] | | | 13.283 (26) | 12.884 (32) | 12.763 (28)[r] | | | -5.3 (4.1) | -4.2 (4.1) | -19.7 (6.8) | 7.9 (7) | | | outFoV |
| 1738 | 21:45:27.22 | 58:45:00.4[r] | | 5131 | | | 17.06[k] | 15.42[n] | | | 11.752 (27) | 11.071 (31) | 10.886 (22)[r] | | | -4.4 (3.8) | -1.4 (3.8) | -2.2 (7.3) | -5.3 (7.3) | | | outFoV |
| 1739 | 21:45:29.65 | 58:45:36.4[r] | | 5132 | | | 16.67[k] | 15.46[n] | | | 12.595 (29) | 11.999 (33) | 11.775 (24)[r] | | | -2.2 (3.8) | 0 (3.8) | -2.1 (7.6) | 0.3 (7.5) | | | outFoV |
| 1740 | 21:45:37.16 | 56:39:43.2[r] | | 5133 | | 16.34[k] | 15.51[k] | 14.73[n] | | | 12.777 (26) | 12.407 (29) | 12.273 (19)[r] | | | -5.9 (4.1) | -8 (4.1) | -24.6 (6.5) | -9.6 (6.6) | | | |
| 1741 | 21:45:39.18 | 56:39:28.5[r] | | 5134 | | 16.81[k] | 16.02[k] | 14.72[n] | | | 12.768 (24) | 12.213 (32) | 12.133 (21)[r] | | | -2.1 (4.1) | -39.5 (4.1) | -15.7 (7.1) | -27.2 (6.6) | | | |
| 1742 | 21:45:34.65 | 58:46:20.2[r] | | 5135 | | 16.24[k] | 15.62[k] | 15.23[n] | | | 13.481 (25) | 13.173 (30) | 13.107 (27)[r] | | | -2.5 (3.8) | -4.4 (3.8) | -2.6 (7.5) | -10 (7.3) | | | outFoV |
| 1743 | 21:45:37.56 | 58:47:02.4[r] | | 5136 | | | 15.45[k] | 13.9[n] | | | 11.831 (38) | 11.058 (38) | 10.833 (27)[r] | | | 5 (5.2) | -9.7 (5.2) | | | | | outFoV |
| 1744 | 21:46:09.84 | 56:22:14.8[r] | | 5137 | | 16.87[k] | 15.4[k] | 14.41[n] | | | 12.498 (32) | 11.999 (32) | 11.925 (26)[r] | | | 17.2 (4.1) | 1 (4.1) | | | | | |
| 1745 | 21:46:16.67 | 56:21:10.7[r] | | 5138 | | 16.48[k] | 15.5[k] | 14.29[n] | | | 12.510 (42) | 12.202 (47) | 11.934 (30)[r] | | | | | | | | | |
| 1746 | 21:46:40.60 | 58:02:25.6[r] | | 5139 | | 15.62[k] | 15.38[k] | 14.15[n] | | | 11.853 (29) | 11.284 (31) | 11.186 (18)[r] | | | -7.9 (3.8) | -31.4 (3.8) | 4.3 (9.7) | -8.3 (10) | | | outFoV |
| 1747 | 21:46:41.49 | 58:15:15.6[r] | | 5140 | | 16.55[k] | 15.94[k] | 14.75[n] | | | 13.184 (50) | 12.728 (49) | 12.613 (47)[r] | | | -24.6 (5.1) | 13.2 (5.1) | -101.7 (8.9) | 57.9 (12.1) | | | outFoV |
| 1748 | 21:46:42.88 | 58:46:35.9[r] | | 5141 | | 16.75[k] | 15.94[k] | 14.87[n] | | | 12.864 (28) | 12.310 (32) | 12.226 (23)[r] | | | 11.5 (3.8) | -21.7 (3.8) | 41.4 (7) | 15.5 (7) | | | outFoV |
| 1749 | 21:46:47.32 | 58:25:11.3[r] | | 5142 | | 16.32[k] | 16.06[k] | 14.9[n] | | | 12.923 (26) | 12.573 (31) | 12.377 (19)[r] | | | -7.4 (3.8) | -14.3 (3.8) | -0.3 (7.3) | -19.6 (7.3) | | | outFoV |
| 1750 | 21:46:56.82 | 57:10:27.3[r] | | 5143 | | | 16.4[k] | 15.2[n] | | | 13.145 (27) | 12.662 (31) | 12.568 (26)[r] | | | -1.5 (4.1) | -9.7 (4.1) | -15.8 (6.8) | 8 (6.9) | | | outFoV |
| 1751 | 21:47:00.76 | 57:15:20.2[m] | | 5144 | | | 16.41[k] | 14.59[n] | | | | | | | | | | | | | | outFoV |
| 1752 | 21:47:15.86 | 58:00:40.3[r] | | 5145 | | | | 15[n] | | | 12.084 (23) | 11.381 (31) | 11.180 (22)[r] | | | -3.3 (3.8) | -2.6 (3.8) | 3.1 (7.7) | -4.2 (7.3) | | | outFoV |
| 1753 | 21:48:44.08 | 57:02:10.6[r] | | 5146 | | | 16.19[k] | 14.74[n] | | | 12.280 (24) | 11.765 (28) | 11.607 (23)[r] | | | -1.2 (4.1) | -5.5 (4.1) | -9.8 (6.8) | 3.4 (6.5) | | | outFoV |
| 1754 | 21:48:45.09 | 57:01:07.9[r] | | 5147 | | 17.12[k] | 16.46[k] | 14.98[n] | | | 13.000 (24) | 12.551 (30) | 12.445 (24)[r] | | | -2.8 (4.1) | -0.6 (4.1) | -10.8 (6.5) | 7.3 (6.5) | | | outFoV |
| 1755 | 21:49:03.24 | 56:59:26.6[r] | | 5148 | | 16.03[k] | 15.98[k] | 14.67[n] | | | 12.626 (27) | 12.189 (30) | 11.995 (25)[r] | | | -12.1 (4.1) | -12.7 (4.1) | -26.3 (6.5) | -16 (6.5) | | | outFoV |
| 1756 | 21:49:01.55 | 58:16:21.9[r] | | 5149 | | 16.18[k] | 16.18[k] | 14.28[n] | | | 12.615 (26) | 12.192 (28) | 12.109 (23)[r] | | | 8.5 (3.8) | -0.2 (3.8) | 2.6 (7.2) | -11.6 (7.2) | | | outFoV |
| 1757 | 21:49:11.36 | 58:12:29.9[r] | | 5150 | | 16.32[k] | 16.09[k] | 14.1[n] | | | 11.755 (26) | 10.773 (31) | 10.425 (20)[r] | | | 6.2 (3.8) | -3.1 (3.8) | 11 (7.7) | -20.2 (10) | | | outFoV |
| 1758 | 21:49:11.85 | 58:15:50.2[r] | | 5151 | | | 16.51[k] | 15.2[n] | | | 11.806 (26) | 11.060 (28) | 10.777 (22)[r] | | | 9.3 (3.8) | -4.8 (3.8) | 13.8 (7.3) | -12.9 (7.6) | | | outFoV |
| 1759 | 21:49:21.84 | 58:01:34.4[r] | | 5152 | | 14.40[k] | 14.39[k] | 13.57[n] | | | 11.857 (23) | 11.561 (28) | 11.457 (23)[r] | | | -7.9 (3.8) | -5.4 (3.8) | 5.1 (7.3) | -17.3 (7.3) | | | outFoV |
| 1760 | 21:49:44.70 | 57:01:08.6[r] | | 5153 | | | 16.75[k] | 15.7[n] | | | 12.941 (26) | 12.529 (30) | 12.352 (24)[r] | | | -4.9 (4.1) | -3.1 (4.1) | -21.7 (7.6) | 1.4 (7.8) | | | outFoV |
| 1761 | 21:50:30.35 | 56:33:54.3[r] | | 5154 | | | 16.43[k] | 15.19[n] | | | 12.573 (26) | 12.039 (31) | 11.882 (26)[r] | | | -19.4 (4.1) | -16.3 (4.1) | -20.7 (6.5) | -12.7 (6.5) | | | outFoV |
| 1762 | 21:50:46.44 | 56:27:17.7[r] | | 5155 | | | 16.32[k] | 14.7[n] | | | 11.761 (26) | 11.025 (29) | 10.844 (19)[r] | | | -1.2 (4.1) | 5.5 (4.1) | -4.5 (6.4) | 9.1 (6.4) | | | outFoV |
| 1763 | 21:35:57.93 | 57:29:09.9[r] | | | | | | | | | 15.910 (90) | 15.182 (107) | 14.354 ()[r] | | | 1.1 (3.8) | -3 (4) | | | | | |
| 1764 | 21:35:59.06 | 57:30:23.3[r] | | | | | | | | | 14.499 (47) | 13.864 (57) | 13.402 (46)[r] | | | 13.3 (4.1) | 16.8 (4.1) | | | | | |
| 1765 | 21:36:03.89 | 57:27:12.2[r] | | | | | | | | | 14.700 (42) | 13.077 (37) | 12.297 (24)[r] | | | | | | | | | no opt. cp. |
| 1766 | 21:36:06.06 | 57:26:34.2[r] | | | | | | | | | 17.635 () | 15.540 () | 14.450 (82)[r] | | | | | | | | | no opt. cp. |
| 1767 | 21:36:07.45 | 57:34:29.7[r] | | | | | | | | | 14.806 (43) | 13.832 () | 12.914 ()[r] | | | 7.1 (4) | -21.2 (4) | | | | | near 1561 |
| 1768 | 21:36:07.98 | 57:26:37.1[r] | | | | | | | | | 18.366 () | 17.484 () | 14.507 (88)[r] | | | | | | | | | no opt. cp. |
| 1769 | 21:36:14.20 | 57:27:57.8[r] | | | | | | | | | 15.265 (51) | 14.520 (56) | 14.395 (74)[r] | | | -31.5 (4.2) | 11.2 (4.2) | | | | | |
| 1770 | 21:36:16.65 | 57:28:40.5[r] | | | | | | | | | 17.017 (198) | 14.958 (86) | 14.026 (56)[r] | | | | | | | | | no opt. cp. |
| 1771 | 21:36:17.00 | 57:26:39.9[r] | | | | | | | | | 14.604 (31) | 13.783 (40) | 13.405 (37)[r] | | | | | | | | | very faint opt. cp. |
| 1772 | 21:36:23.69 | 57:32:45.2[r] | | | | | | | | | 14.685 (45) | 13.650 (45) | 13.105 (35)[r] | | | -9 (5.2) | -11.3 (5.2) | | | | | |
| 1773 | 21:36:33.00 | 57:28:49.4[r] | | | | | | | | | 15.816 (76) | 14.827 (70) | 14.220 (64)[r] | | | | | | | | | no opt. cp. |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA J2000 hh:mm:ss.ss | Dec J2000 dd:mm:ss.s | MVA | WEB-DA | SHB-2004 | U mag | B mag | V mag | R mag | I mag | J mag | H mag | K mag | SpT Class | $A_V$ mag | $\mu_\alpha$ PPMXL mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ UCAC3 mas/yr | $\mu_\delta$ mas/yr | $\mu_\alpha$ MVA [j] mas/yr | $\mu_\delta$ mas/yr | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1774 | 21:36:35.32 | 57:29:31.2[r] | | | | | | | | | 14.059 (44) | 12.825 () | 12.223 ()[r] | | | 20.5 (4) | -13 (4) | | | | | |
| 1775 | 21:36:36.91 | 57:31:32.7[r] | | | | | | | | | 13.754 (31) | 12.631 (37) | 12.021 (26)[r] | | | -30 (5.5) | -2.3 (5.5) | | | | | |
| 1776 | 21:36:38.42 | 57:29:17.5[r] | | | | | | | | | 14.265 (27) | 13.013 (31) | 12.303 (25)[r] | | | | | | | | | no opt. cp. |
| 1777 | 21:36:39.15 | 57:29:53.3[r] | | | | | | | | | 11.924 (21) | 10.422 (28) | 9.392 (21)[r] | | | -2.9 (5) | -23.4 (5) | | | | | |
| 1778 | 21:36:41.46 | 57:30:27.8[r] | | | | | | | | | 15.921 (81) | 14.293 (58) | 13.542 (40)[r] | | | | | | | | | no opt. cp. |
| 1779 | 21:36:41.65 | 57:32:17.5[r] | | | | | | | | | 16.147 (102) | 14.901 (85) | 13.796 (46)[r] | | | | | | | | | no opt. cp. |
| 1780 | 21:36:43.98 | 57:29:28.7[r] | | | | | | | | | 14.232 (27) | 13.012 (31) | 12.364 (24)[r] | | | -7.7 (5.6) | 0.4 (5.6) | | | | | no opt. cp. |
| 1781 | 21:36:44.01 | 57:28:46.8[r] | | | | | | | | | 12.949 (21) | 12.559 (26) | 12.501 (24)[r] | | | -11.5 (4) | 1.6 (4) | | | | | |
| 1782 | 21:36:46.60 | 57:29:38.5[r] | | | | | | | | | 16.458 () | 15.194 (187) | 12.673 (38)[r] | | | | | | | | | no opt. cp. |
| 1783 | 21:36:47.14 | 57:28:53.0[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1784 | 21:36:47.89 | 57:31:30.7[r] | | | | | | | | | 16.504 (140) | 14.697 (77) | 13.822 (65)[r] | | | | | | | | | no opt. cp. |
| 1785 | 21:36:52.81 | 57:29:43.8[r] | | | | | | | | | 15.666 (68) | 13.956 (43) | 13.286 (34)[r] | | | | | | | | | no opt. cp. |
| 1786 | 21:36:54.50 | 57:30:05.2[r] | | | | | | | | | 13.948 (27) | 12.045 (31) | 10.926 (23)[r] | | | | | | | | | no opt. cp. |
| 1787 | 21:36:54.75 | 57:31:45.1[r] | | | | | | | | | 16.017 (95) | 14.796 (81) | 13.909 (57)[r] | | | | | | | | | no opt. cp. |
| 1788 | 21:36:54.90 | 57:30:00.4[r] | | | | | | | | | 16.341 () | 15.700 (151) | 13.837 (60)[r] | | | | | | | | | no opt. cp. |
| 1789 | 21:36:55.21 | 57:30:30.1[r] | | | | | | | | | 14.714 (78) | 12.665 (63) | 11.382 (34)[r] | | | | | | | | | no opt. cp. |
| 1790 | 21:36:55.43 | 57:31:39.1[r] | | | | | | | | | 14.199 (32) | 12.456 (29) | 11.723 (21)[r] | | | | | | | | | no opt. cp. |
| 1791 | 21:36:56.99 | 57:29:22.7[r] | | | | | | | | | 16.991 (187) | 14.564 (57) | 13.195 (30)[r] | | | | | | | | | no opt. cp. |
| 1792 | 21:36:57.84 | 57:30:56.1[r] | | | | | | | | | 17.425 () | 15.365 (135) | 14.000 (72)[r] | | | | | | | | | no opt. cp. |
| 1793 | 21:36:57.93 | 57:29:10.7[r] | | | | | | | | | 13.621 (28) | 12.025 (32) | 11.215 (23)[r] | | | -10.6 (5.6) | 1.7 (5.6) | | | | | no opt. cp. |
| 1794 | 21:36:58.91 | 57:30:29.3[r] | | | | | | | | | 17.551 () | 16.181 (218) | 14.615 (93)[r] | | | | | | | | | no opt. cp. |
| 1795 | 21:37:02.00 | 57:31:55.3[r] | | | | | | | | | 15.871 (87) | 13.808 (44) | 12.881 (30)[r] | | | | | | | | | no opt. cp. |
| 1796 | 21:37:02.32 | 57:31:15.3[r] | | | | | | | | | 16.946 () | 15.588 () | 13.254 (45)[r] | | | | | | | | | no opt. cp. |
| 1797 | 21:37:05.20 | 57:30:02.2[r] | | | | | | | | | 16.308 () | 15.599 () | 15.124 (155)[r] | | | | | | | | | no opt. cp. |
| 1798 | 21:37:07.71 | 57:32:11.0[r] | | | | | | | | | 14.606 (35) | 13.785 (39) | 13.522 (47)[r] | | | | | | | | | very faint opt. cp. |
| 1799 | 21:37:08.02 | 57:34:09.5[r] | | | | | | | | | 9.617 (22) | 8.373 (28) | 7.860 (20)[r] | | | | | -32.7 (6.4) | 126.3 (6.8) | | | |
| 1800 | 21:37:09.44 | 57:30:36.7[r] | | | | | | | | | 13.884 (30) | 13.036 (34) | 12.648 (33)[r] | | | | | | | | | |
| 1801 | 21:37:10.14 | 57:31:26.6[r] | | | | | | | | | 14.972 (46) | 14.241 (55) | 13.806 (59)[r] | | | | | | | | | no opt. cp. |
| 1802 | 21:37:24.10 | 57:24:11.5[r] | | | | | | | | | 14.198 (66) | 13.293 (77) | 12.821 (47)[r] | | | -21.7 (4.1) | -31.8 (4.1) | | | | | |
| 1803 | 21:37:48.93 | 57:23:21.0[r] | | | | | | | | | 14.657 (55) | 13.682 (63) | 13.252 (49)[r] | | | 1.7 (5.4) | -0.7 (5.4) | | | | | |
| 1804 | 21:38:09.25 | 57:20:19.9[r] | | | | | | | | | 13.918 (31) | 12.958 (33) | 12.477 (23)[r] | | | -4.8 (4) | -5.3 (4) | | | | | |
| 1805 | 21:38:09.79 | 57:29:42.8[r] | | | | | | | | | 14.161 (40) | 13.356 (44) | 12.974 (42)[r] | | | | | | | | | |
| 1806 | 21:39:25.41 | 57:33:20.3[r] | | | | | | | | | 12.590 (25) | 11.686 (29) | 11.312 (18)[r] | | | -0.9 (3.8) | -8.9 (3.8) | 2.1 (10.4) | 6 (10.4) | | | |
| 1807 | 21:39:31.05 | 57:47:14.0[r] | | | | | | | | | 12.410 (27) | 11.491 (28) | 11.023 (23)[r] | | | | | 9.1 (8.7) | 3.4 (8.4) | | | |
| 1808 | 21:40:14.38 | 57:40:50.8[r] | | | | | | | | | 13.530 (40) | 12.481 (32) | 12.053 (26)[r] | | | | | | | | | near 651 |
| 1809 | 21:36:07.46 | 57:26:43.6[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1810 | 21:36:18.20 | 57:28:31.0[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1811 | 21:36:19.20 | 57:28:38.0[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1812 | 21:36:47.16 | 57:28:44.2[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1813 | 21:36:59.45 | 57:31:30.6[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1814 | 21:37:01.05 | 57:30:39.7[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1815 | 21:37:07.18 | 57:31:27.8[d] | | | | | | | | | | | | | | | | | | | | no opt. cp. |
| 1816 | 21:39:25.71 | 57:29:45.6[r] | | | | | | | | | 13.942 (32) | 12.996 (32) | 12.700 (28)[r] | | | -11 (3.9) | -6.1 (3.9) | | | | | |
| 1817 | 21:39:26.15 | 57:00:09.3[r] | | | | | 13.34[f] | 12.77[e] | | | 11.602 (21) | 11.333 (28) | 11.278 (19)[r] | F1[e] | 0.8[e] | 5.9 (2.7) | -1.6 (2.7) | -0.5 (0.8) | -4.8 (0.4) | | | |
| 1818 | 21:38:31.05 | 57:28:00.5[r] | | | | | | | | | 13.658 (27) | 13.010 (37) | 12.825 (25)[r] | | | -1.6 (5.4) | -3.5 (5.4) | | | | | |
| 1819 | 21:38:32.85 | 57:29:18.4[r] | | | | | | | | | 14.524 (53) | 13.749 (40) | 13.447 (42)[r] | | | -0.6 (4) | -4.8 (4) | | | | | |
| 1820 | 21:38:42.83 | 57:28:54.8[r] | | | | | | | | | 12.174 (23) | 11.442 (28) | 11.198 (21)[r] | | | 6.3 (3.8) | -11.5 (3.8) | 17.6 (6.9) | 0 (6.9) | | | |
| 1821 | 21:38:43.70 | 57:31:03.3[r] | | | | | | | | | 14.483 (45) | 13.617 (41) | 13.374 (42)[r] | | | -6.2 (5.4) | -6.5 (5.4) | | | | | |
| 1822 | 21:38:49.68 | 57:31:55.6[r] | | | | | | | | | 13.474 () | 13.032 (48) | 12.790 (40)[r] | | | | | | | | | |
| 1823 | 21:38:50.41 | 57:30:05.1[r] | | | | | | | | | 13.472 (25) | 12.683 (35) | 12.499 (25)[r] | | | -4.9 (3.9) | -6.9 (3.9) | 5.2 (8.8) | -15.8 (8.6) | | | |
| 1824 | 21:38:50.99 | 57:28:42.7[r] | | | | | | | | | 13.331 (34) | 12.592 (40) | 12.311 (30)[r] | | | -19.2 (3.9) | -10.4 (3.9) | -97.5 (11.2) | 32.6 (10.3) | | | |
| 1825 | 21:38:54.65 | 57:29:25.0[r] | | | | | | | | | 13.932 (91) | 12.775 () | 12.659 ()[r] | | | | | | | | | |
| 1826 | 21:38:56.18 | 57:28:58.6[r] | | | | | | | | | 13.714 (50) | 13.042 (41) | 12.813 (33)[r] | | | | | | | | | |

**Table A1** Literature data for stars in Trumpler 37 – continued

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | U | B | V | R | I | J | H | K | SpTClass | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1827 | 21:38:57.62 | 57:30:06.1[b] | | | | | | | | | | | | | | | | | | | | |
| 1828 | 21:38:58.24 | 57:28:15.1[r] | | | | | | | | | 12.984 (27) | 12.211 (32) | 12.015 (24)[r] | | | 5.9 (18) | -26 (18) | 6.4 (8.2) | 34.7 (8.2) | | | |
| 1829 | 21:38:58.88 | 57:29:14.6[r] | | | | | | | | | 7.585 (20) | 7.632 (36) | 7.595 (21)[r] | | | -5.1 (1.6) | -2.4 (1.5) | | | | | |
| 1830 | 21:38:59.63 | 57:30:08.1[r] | | | | | | | | | 13.485 (23) | 12.600 (29) | 12.108 (25)[r] | | | | | 3.6 (9.9) | 6.7 (10) | | | |
| 1831 | 21:39:03.76 | 57:29:41.7[r] | | | | | | | | | 12.722 (31) | 12.064 (40) | 11.880 (29)[r] | | | -1.9 (3.9) | -6.1 (3.9) | -76.7 (7.2) | 12.8 (7.2) | | | |
| 1832 | 21:39:06.24 | 57:28:10.7[r] | | | | | | | | | 15.024 (58) | 13.895 (61) | 13.252 (35)[r] | | | | | | | | | |
| 1833 | 21:39:09.19 | 57:30:50.3[r] | | | | | | | | | 12.569 (26) | 11.831 (29) | 11.641 (25)[r] | | | -10.7 (4) | 5.2 (4) | -13.2 (6.6) | 22.8 (6.7) | | | |
| 1834 | 21:39:13.42 | 57:28:38.8[r] | | | | | | | | | 14.180 (53) | 13.349 (55) | 13.032 (47)[r] | | | | | | | | | |
| 1835 | 21:39:16.38 | 57:31:18.8[r] | | | | | | | | | 13.555 (30) | 12.944 (31) | 12.787 (25)[r] | | | -1.3 (3.8) | -4.9 (3.8) | 2.9 (7.5) | 9.3 (7.5) | | | |
| 1836 | 21:36:15.20 | 57:25:28.0[r] | | | | | | | | | 15.422 (76) | 14.797 (87) | 14.292 ()[r] | | | -182.6 (5.6) | -241 (5.6) | | | | | |
| 1837 | 21:36:42.47 | 57:25:23.2[r] | | | | | | | | | 14.806 (43) | 14.089 (47) | 13.758 (49)[r] | | | | | | | | | |
| 1838 | 21:36:40.33 | 57:25:45.5[r] | | | | | | | | | 16.271 (94) | 15.203 (99) | 14.867 (113)[r] | | | | | | | | | |
| 1839 | 21:36:45.86 | 57:26:22.8[r] | | | | | | | | | 15.192 (48) | 14.582 (67) | 14.378 (70)[r] | | | -0.9 (4.2) | -13.3 (4.2) | | | | | |
| 1840 | 21:36:38.02 | 57:26:58.0[r] | | | | | | | | | 15.604 (72) | 14.893 (73) | 14.523 (80)[r] | | | | | | | | | |
| 1841 | 21:36:54.72 | 57:27:26.7[a] | | | | | | | | | | | | | | | | | | | | |
| 1842 | 21:36:33.20 | 57:27:51.8[r] | | | | | | | | | 15.078 (62) | 14.372 (56) | 14.155 (63)[r] | | | 3.1 (4.2) | 0 (4.2) | | | | | |
| 1843 | 21:35:51.09 | 57:28:12.5[r] | | | | | | | | | 15.465 (62) | 14.983 (92) | 14.523 (84)[r] | | | -6.8 (5.6) | -0.3 (5.6) | | | | | |
| 1844 | 21:35:58.05 | 57:28:50.3[r] | | | | | | | | | 15.609 (127) | 14.810 (164) | 14.783 (177)[r] | | | -4.3 (5.7) | -6.4 (5.7) | | | | | |
| 1845 | 21:36:18.97 | 57:29:05.1[a] | | | | | | | | | | | | | | | | | | | | |
| 1846 | 21:35:58.50 | 57:29:15.0[r] | | | | | | | | | 16.582 (167) | 15.373 (125) | 14.632 (100)[r] | | | | | | | | | |
| 1847 | 21:37:17.37 | 57:29:20.7[r] | | | | | | | | | 14.091 () | 13.557 (71) | 13.130 ()[r] | | | | | | | | | |
| 1848 | 21:37:17.42 | 57:29:27.3[r] | | | | | | | | | 14.122 (43) | 13.135 (43) | 12.583 (37)[r] | | | -1.2 (4.1) | -10.8 (4.1) | | | | | |
| 1849 | 21:36:36.95 | 57:29:28.6[r] | | | | | | | | | 15.670 (55) | 14.979 (78) | 14.664 (98)[r] | | | | | | | | | |
| 1850 | 21:36:37.64 | 57:29:31.7[r] | | | | | | | | | 15.555 (58) | 15.022 (78) | 14.685 (99)[r] | | | -32.9 (5.3) | -3.9 (5.3) | | | | | |
| 1851 | 21:35:53.11 | 57:29:37.0[r] | | | | | | | | | 15.300 (69) | 14.774 (83) | 14.513 (85)[r] | | | -7.9 (4.1) | -11.9 (4.1) | | | | | |
| 1852 | 21:35:55.41 | 57:29:42.7[r] | | | | | | | | | 15.587 (74) | 15.194 (111) | 14.874 (113)[r] | | | -5.5 (4.1) | -4 (4.1) | | | | | |
| 1853 | 21:36:17.03 | 57:29:48.1[r] | | | | | | | | | 15.858 (87) | 14.704 (65) | 14.288 (66)[r] | | | | | | | | | |
| 1854 | 21:36:49.03 | 57:29:49.0[r] | | | | | | | | | 17.026 () | 15.595 (143) | 14.523 (83)[r] | | | | | | | | | |
| 1855 | 21:36:10.98 | 57:29:50.7[r] | | | | | | | | | 15.547 (69) | 14.614 (65) | 14.468 (80)[r] | | | -4 (5.6) | 11.6 (5.6) | | | | | |
| 1856 | 21:36:56.27 | 57:29:52.4[r] | | | | | | | | | 18.527 () | 16.098 () | 15.200 (141)[r] | | | | | | | | | |
| 1857 | 21:36:47.16 | 57:29:52.6[r] | | | | | | | | | 14.184 () | 14.073 (58) | 12.630 (28)[r] | | | | | | | | | |
| 1858 | 21:37:10.56 | 57:29:52.7[r] | | | | | | | | | 15.135 (49) | 14.288 (56) | 14.027 (79)[r] | | | -1.8 (3.9) | -3.8 (3.9) | | | | | |
| 1859 | 21:35:55.61 | 57:30:03.4[r] | | | | | | | | | 15.436 (73) | 14.973 (83) | 14.547 (85)[r] | | | -8.6 (3.9) | -2.3 (3.9) | | | | | |
| 1860 | 21:36:13.37 | 57:30:16.2[b] | | | | | | | | | 15.593 (75) | 14.999 (82) | 14.778 (109)[r] | | | -9.6 (4) | -9.5 (4) | | | | | |
| 1861 | 21:36:17.95 | 57:30:16.4[r] | | | | | | | | | 15.873 (93) | 15.358 (129) | 14.995 (122)[r] | | | 17.7 (4.1) | 26.6 (4.2) | | | | | |
| 1862 | 21:36:53.16 | 57:30:19.3[r] | | | | | | | | | 17.860 () | 16.019 () | 15.125 (145)[r] | | | | | | | | | |
| 1863 | 21:36:40.48 | 57:30:25.8[r] | | | | | | | | | 16.008 (104) | 14.335 (53) | 13.753 ()[r] | | | | | | | | | |
| 1864 | 21:36:16.15 | 57:30:26.8[r] | | | | | | | | | 14.524 (36) | 14.174 (43) | 13.995 (57)[r] | | | 0.7 (3.8) | 1.4 (3.8) | | | | | |
| 1865 | 21:36:38.61 | 57:30:27.2[r] | | | | | | | | | 16.818 (181) | 15.402 (138) | 14.967 (126)[r] | | | | | | | | | |
| 1866 | 21:37:11.74 | 57:30:35.1[r] | | | | | | | | | 16.175 (115) | 15.520 () | 14.928 (148)[r] | | | | | | | | | |
| 1867 | 21:36:44.72 | 57:30:37.3[r] | | | | | | | | | 16.253 (105) | 15.375 (117) | 14.805 (102)[r] | | | | | | | | | |
| 1868 | 21:36:44.09 | 57:30:38.2[r] | | | | | | | | | 15.996 (90) | 15.314 (135) | 14.671 (106)[r] | | | | | | | | | |
| 1869 | 21:37:03.04 | 57:30:48.7[a] | | | | | | | | | | | | | | | | | | | | |
| 1870 | 21:36:01.65 | 57:30:49.7[r] | | | | | | | | | 15.617 (83) | 14.986 (101) | 14.778 (116)[r] | | | -55.1 (5.7) | -39.2 (5.7) | | | | | |
| 1871 | 21:36:45.86 | 57:31:03.5[a] | | | | | | | | | | | | | | | | | | | | |
| 1872 | 21:36:12.61 | 57:31:26.5[r] | | | | | | | | | 16.504 (132) | 16.161 () | 15.136 (140)[r] | | | | | | | | | |
| 1873 | 21:36:54.58 | 57:31:50.1[r] | | | | | | | | | 16.840 (187) | 15.577 () | 15.077 (129)[r] | | | | | | | | | |
| 1874 | 21:36:52.62 | 57:31:50.3[r] | | | | | | | | | 14.915 (46) | 13.728 (37) | 13.186 (35)[r] | | | -81.5 (8.6) | 56.7 (8.6) | | | | | |
| 1875 | 21:36:56.53 | 57:31:51.4[r] | | | | | | | | | 17.485 () | 15.178 (103) | 13.512 (44)[r] | | | | | | | | | |
| 1876 | 21:36:36.35 | 57:32:09.3[a] | | | | | | | | | | | | | | | | | | | | |
| 1877 | 21:37:05.87 | 57:32:12.4[r] | | | | | | | | | 15.130 (51) | 14.284 (59) | 14.139 (78)[r] | | | | | | | | | |
| 1878 | 21:36:28.43 | 57:32:13.5[r] | | | | | | | | | 14.384 (27) | 13.535 (31) | 13.166 (35)[r] | | | -4.3 (5.2) | -15.5 (5.2) | | | | | |
| 1879 | 21:37:00.27 | 57:32:23.8[a] | | | | | | | | | | | | | | | | | | | | |

**Table A1 Literature data for stars in Trumpler 37 – continued**

| No. | RA | Dec | MVA | WEB-DA | SHB-2004 | $U$ | $B$ | $V$ | $R$ | $I$ | $J$ | $H$ | $K$ | SpT Class | $A_V$ | $\mu_\alpha$ PPMXL | $\mu_\delta$ | $\mu_\alpha$ UCAC3 | $\mu_\delta$ | $\mu_\alpha$ MVA [j] | $\mu_\delta$ | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | hh:mm:ss.ss | dd:mm:ss.s | | | | mag | mag | mag | mag | mag | mag | mag | mag | | mag | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | mas/yr | |
| 1880 | 21:37:09.44 | 57:32:25.2[r] | | | | | | | | | 16.032 (138) | 15.207 (183) | 14.635 (112)[r] | | | 1 (9.3) | -10.5 (9.3) | | | | | |
| 1881 | 21:36:54.65 | 57:32:29.1[r] | | | | | | | | | 17.506 () | 15.976 () | 14.963 (150)[r] | | | | | | | | | |
| 1882 | 21:36:51.54 | 57:32:53.4[r] | | | | | | | | | 16.082 (81) | 15.203 (94) | 14.749 (101)[r] | | | | | | | | | |
| 1883 | 21:36:59.85 | 57:32:56.1[r] | | | | | | | | | 15.700 (76) | 14.874 (85) | 14.851 (111)[r] | | | -1.6 (4.3) | -1.4 (4.3) | | | | | |
| 1884 | 21:36:25.97 | 57:33:10.3[r] | | | | | | | | | 14.883 (46) | 14.195 (54) | 13.958 (58)[r] | | | 2.2 (4) | 2.9 (4) | | | | | |
| 1885 | 21:36:36.40 | 57:33:14.4[r] | | | | | | | | | 16.611 (148) | 15.853 () | 15.672 ()[r] | | | | | | | | | |
| 1886 | 21:36:48.84 | 57:33:17.4[a] | | | | | | | | | 17.542 | 16.693 | 16.584[a] | | | | | | | | | |
| 1887 | 21:36:34.84 | 57:33:57.1[r] | | | | | | | | | 15.127 (45) | 14.563 (58) | 14.316 (66)[r] | | | 11 (3.9) | 3.6 (3.9) | | | | | |
| 1888 | 21:36:12.98 | 57:34:05.5[r] | | | | | | | | | 15.055 (47) | 14.118 (41) | 13.690 (40)[r] | | | -17.8 (5.5) | 6.7 (5.5) | | | | | |
| 1889 | 21:36:16.09 | 57:34:48.6[r] | | | | | | | | | 11.836 (21) | 11.068 (26) | 10.835 (22)[r] | | | -2.7 (4) | -2.2 (4) | -7.5 (7.2) | 3.7 (7) | | | |
| 1890 | 21:36:45.97 | 57:34:55.1[r] | | | | | | | | | 15.153 (73) | 14.501 (67) | 14.303 (72)[r] | | | -41.5 (5.2) | -3.8 (5.2) | | | | | |
| 1891 | 21:36:25.59 | 57:35:46.4[r] | | | | | | | | | 14.715 (40) | 14.417 (48) | 14.290 (65)[r] | | | -7.6 (4) | -13.1 (4) | | | | | |

**Table A1** Literature data for stars in Trumpler 37

Remarks: The superscript letters behind the values indicate the source for the value:

[**a**] Morales-Calderón et al. (2009); [**b**] Mercer et al. (2009); [**c**] Sicilia-Aguilar et al. (2006b); [**d**] Sicilia-Aguilar et al. (2006a); [**e**] Sicilia-Aguilar et al. (2005); [**f**] Sicilia-Aguilar et al. (2004); [**g**] WEBDA (consists of Sicilia-Aguilar et al. (2004) and Morbidelli et al. (1997)); [**h**] Contreras et al. (2002) (used for photometry Marschall et al. (1990)); [**i**] Marschall et al. (1990); [**j**] Marschall & van Altena (1987) ($V$ magnitudes from fitting instrumental magnitudes to photometry from Garrison & Kormendy (1976) and de Lichtbuer (1982)); [**k**] Kun (1986); [**l**] WEBDA (consists of Marschall et al. (1990), Garrison & Kormendy (1976), Simonson (1968) and other publications for few stars); [**m**] WEBDA (coordinate source); [**n**] WEBDA (consists of Marschall & van Altena (1987) and internal WEBDA information); [**o**] WEBDA (consists of 6 publications for 7 stars); [**p**] WEBDA (consists of Garrison & Kormendy (1976) and other publications for few stars); [**q**] WEBDA (consists of Alkansis (1958), Contreras et al. (2002), Sicilia-Aguilar et al. (2004), Balazs et al. (1996) and other publication for few stars); [**r**] 2MASS (Skrutskie et al. 2006). The different WEBDA tables were compiled from different literature, the main publications are given in brackets

MVA, WEBDA and SHB-2004 are star numbers in papers [j]; [l]-[q]; and [c]-[f], [h], respectively. If data from different literature are available, the more recent one is given. Please note, that the $V$ magnitude was measured from photographic plate, photoelectrical or with CCD, making comparison difficult. The source for $R$ and $I$ magnitude is the same (given after $I$) and the source for $J$, $H$ and $K$ magnitude is the same (given after $K$). Errors in $JHK$-photometry are given only, if the 2MASS quality flag is "A", "B", "C" or "D", otherwise an empty parenthesis indicates uncertainties in the 2MASS photometry.

**Comments**: If two stars were located close to each other ($< 5''$), the stars were marked with "near #". "no star" or "no/faint star" means we were not able to find the star from Marschall & van Altena (1987) in our images (see also the text). "new coordinates" means, we changed the coordinates from Marschall & van Altena (1987) to match the position that was given in their finding chart (see also text). In cases of infrared data (Sicilia-Aguilar et al. 2006a), we were not able to see some stars in our optical images, resulting in comments "no opt. cp." or "very faint opt. cp." (opt. cp. standing for optical counterpart). Because Sicilia-Aguilar et al. (2004) used the earlier compilation of the 2MASS catalog (Cutrie et al. 2003) some stars get the comment "*JHK* in [f] different". In case of two not distinguishable 2MASS sources near the star, the entry was duplicated in the consecutive row, so both sources were connected. The comment "2x[r]" was added and the fainter one marked. Probably, the other data from the literature, like optical brightness, is not resolved in this case. In Marschall & van Altena (1987) and the WEBDA database stars outside all YETI telescope fields of view (FoV) are marked with "outFoV". In some cases stars with the same names (and properties) differ in the coordinates in different catalogs. The more reliable coordinate was used and in the comments "Dec [h] imprec." or "[m] imprec." was attached, meaning that problems occurred in Contreras et al. 2002 or the WEBDA database. In some entries the WEBDA entries were even wrong, resulting in "WEBDA wrong".

Spectroscopic binaries were marked with "SB1" or "SB2" as given in Sicilia-Aguilar et al. (2006b).

**Table 2** Literature data and membership predictions for stars in Trumpler 37

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR ex-cess [d] | Varia-bility [a,e,f] | PM [j] | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M$_\odot$/yr | erg/s | | | | | | | | | | mag | M$_\odot$ |
| 2 | | 93 | | | | | | | | | | | | | | | h | | |
| 3 | | 0 | | | | | | | | | | | | | | | l | | |
| 4 | | 92 | | | | | | | | | | | | | | | h | | |
| 6 | | 9 | | | | | | | | | | | | | | | l | | |
| 8 | | 94 | | | | | | | | | | | | | | | h | | |
| 9 | | 90 | | | | | | | | | | | | | | | h | | |
| 12 | | 37 | | | | | | | | | | | | | | | l | | |
| 13 | | 89 | | | | | | | | | | | | | | | h | | |
| 14 | | 0 | | | | | | | | | | | | | | | l | | |
| 15 | | 79 | | | | | | | | | | | | | | | h | | |
| 18 | | 14 | | | | | | | | | | | | | | | l | | |
| 19 | | 78 | | | | | | | | | | | | | | | h | | |
| 20 | 44.9[h] | 83 | | | | | | | | | | l | | | | | h | | |
| 21 | | 0 | | | | | | | | | | | | | | | l | | |
| 23 | | 86 | | | | | | | | | | | | | | | h | | |
| 24 | | 79 | | | | | | | | | | | | | | | h | 1.52 | 1.9 |
| 26 | | 0 | | | | | | | | | | | | | | | l | | |
| 27 | | 92 | | | | | | | | | | | | | | | h | | |
| 28 | | 84 | | | | | | | | | | | | | | | h | | |
| 30 | | 83 | | | | | | | | | | | | | | | h | | |
| 31 | | 78 | | | | | | | | | | | | | | | h | | |
| 32 | | 73 | | | | | | | | | | | | | | | m | | |
| 36 | -8.4[c] | | 0.7[c] | | -4[c] | -6[c] | 0 | | c(w)[c] | h | l | m | l | | h | h | | 0.58 | 0.2 |
| 39 | | 24 | | | | | | | | | | | | | | | l | | |
| 41 | | 94 | | | | | | | | | | | | | | | h | 1.65 | 2.2 |
| 42 | | 52 | | | | | | | | | | | | | | | m | | |
| 45 | | 0 | | | | | | | | | | | | | | | l | | |
| 46 | | 80 | | | | | | | | | | | | | | | h | | |
| 47 | | 81 | | | | | | | | | | | | | | l | h | | |
| 49 | | 0 | | | | | | | | | | | | | | | l | | |
| 50 | | 0 | | | | | | | | | | | | | | | l | 1 | 4 |
| 51 | 30[h] | 93 | | | | | | | | | | l | | | | l | h | | |
| 52 | | 84 | | | | | | | | | | | | | | | h | | |
| 53 | -22.2[h] | 94 | | | | | | | | | | m | | | | | h | | 2.7 |
| 54 | | 62 | | | | | | | | | | | | | | | m | | |
| 55 | | 0 | | | | | | | | | | | | | | | l | | |
| 56 | | 0 | | | | | | | | | | | | | | | l | 5.76 | 5 |
| 57 | | 13 | | | | | | | | | | | | | | | l | 2.03 | 2.2 |
| 59 | | 93 | | | | | | | | | | | | | | | h | 0.06 | 1.5 |
| 60 | | 84 | | | | | | | | | | | | | | | h | 0.37 | 5 |
| 63 | | 34 | | | | | | | | | | | | | | | l | | |
| 64 | | 46 | | | | | | | | | | | | | | | l | | |
| 68 | | 87 | | | | | | | | | | | | | | | h | | |
| 69 | | 89 | | | | | | | | | | | | | | | h | | |
| 71 | | 94 | | | | | | | | | | | | | | | h | | |
| 72 | | 93 | | | | | | | | | | | | | | | h | | |
| 73 | | 2 | | | | | | | | | | | | | | | l | | |
| 74 | 3.9[h] | 86 | | | | | | | | | | l | | | | | h | | |
| 75 | | 93 | | | | | | | | | | | | | | | h | | |
| 76 | | 92 | | | | | | | | | | | | | | | h | | |
| 77 | | 20 | | | | | | | | | | | | | | | l | | |
| 78 | | 71 | | | | | | | | | | | | | | | m | | |
| 81 | | 0 | | | | | | | | | | | | | | | l | | |
| 83 | | 89 | | | | | | | | | | | | | | | h | | 1.4 |
| 84 | | 59 | | | | | | | | | | | | | | | m | | |
| 85 | | 0 | | | | | | | | | | | | | | | l | | |
| 88 | | 0 | | | | | | | | | | | | | | | l | | |
| 89 | | 0 | | | | | | | | | | | | | | | l | 0.56 | 3 |
| 91 | | 0 | | | | | | | | | | | | | | | l | | |
| 92 | | 75 | | | | | | | | | | | | | | | h | | |
| 94 | | 0 | | | | | | | | | | | | | | | l | 0.52 | 3.5 |
| 95 | 12.7[h] | 92 | | | | | | | | | | l | | | | | h | 0.46 | 1.5 |
| 96 | | 32 | | | | | | | | | | | | | | | l | | |
| 97 | | 88 | | | | | | | | | | | | | | | h | | |
| 99 | | 0 | | | | | | | | | | | | | | | l | | |
| 100 | | 93 | | | | | | | | | | | | | | | h | | |
| 102 | | 88 | | | | | | | | | | | | | | | h | | |
| 103 | | 90 | | | | | | | | | | | | | | | h | | |
| 104 | | 92 | | | | | | | | | | | | | | | h | | |
| 105 | | 87 | | | | | | | | | | | | | | | h | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | Ṁ 10⁻⁸ M⊙/yr | $L_{X,c}$ 10³⁰ erg/s | TTS | | Li | Hα | RV | Ṁ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M⊙ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 106 | | 0 | | | | | | | | | | | | | | | | l | | |
| 107 | | 70 | | | | | | | | | | | | | | | | m | | |
| 108 | | 68 | | | | | | | | | | | | | | | | m | | |
| 109 | | 0 | | | | | | | | | | | | | | | | l | | |
| 110 | | 92 | | | | | | | | | | | | | | | | h | | |
| 111 | | 0 | | | | | | | | | | | | | | | | l | | |
| 113 | | 0 | | | | | | | | | | | | | | | | l | | |
| 115 | | 8 | | | | | | | | | | | | | | | | l | | |
| 116 | | 0 | | | | | | | | | | | | | | | | l | | |
| 117 | | 59 | | | | | | | | | | | | | | | | m | | |
| 119 | | 0 | | | | | | | | | | | | | | | | l | | |
| 122 | | 0 | | | | | | | | | | | | | | | | l | | |
| 126 | 2.9ʰ | 88 | | | | | | | | | l | | | | | | | h | | |
| 128 | | 92 | | | | | | | | | | | | | | | | h | | |
| 129 | 27.2ʰ | 93 | | | | | | | | | l | | | | | | | h | 0.02 | 2.2 |
| 130 | 30.2ʰ | 89 | | | | | | | | | l | | | | | | | h | | |
| 131 | 45.6ʰ | 89 | | | | | | | | | l | | | | | | | h | | |
| 132 | | 0 | | | | | | | | | | | | | | | | l | | |
| 133 | | 68 | | | | | | | | | | | | | | | | m | | |
| 134 | | 0 | | | | | | | | | | | | | | | | l | | |
| 135 | -15.8ʰ | 94 | | | | | | | | | h | | | | | | | h | 0.03 | 2 |
| 136 | | 30 | | | | | | | | | | | | | | | | l | | |
| 137 | | 14 | | | | | | | | | | | | | | | | l | | |
| 139 | | 0 | | | | | | | | | | | | | | | | l | | |
| 144 | | 91 | | | | | | | | | | | | | | | | h | | |
| 145 | | 89 | | | | | | | | | | | | | | | | h | | |
| 146 | 4.9ʰ | 88 | | | | | | | | | l | | | | | | | h | 0.06 | 1.7 |
| 147 | | 0 | | | | | | | | | | | | | | | | l | | |
| 148 | | 51 | | | | | | | | | | | | | | | | m | 0.18 | 4 |
| 149 | | 16 | | | | | | | | | | | | | | | | l | | |
| 150 | | 90 | | | | | | | | | | | | | | | | h | | |
| 151 | 13.2ʰ | 86 | | | | | | | | | l | | | | | | | h | 0.28 | 1.5 |
| 152 | | 90 | | | | | | | | | | | | | | | | h | | |
| 154 | | 94 | | | | | | | | | | | | | | | | h | | |
| 155 | | 94 | | | | | | | | | | | | | | | | h | | |
| 156 | | 0 | | | | | | | | | | | | | | | | l | | |
| 160 | | 84 | | | | | | | | | | | | | | | | h | | |
| 163 | 12.4ʰ | 92 | | | | | | | | | l | | | | | | | h | 0.69 | 2.5 |
| 164 | | 90 | | | | | | | | | | | | | | | | h | | |
| 166 | | 0 | | | | | | | | | | | | | | | | l | | |
| 167 | | 5 | | | | | | | | | | | | | | | | l | | |
| 168 | | 0 | | | | | | | | | | | | | | | | l | | |
| 170 | | 63 | | | | | | | | | | | | | | | | m | | |
| 173 | | 6 | | | | | | | | | | | | | | | | l | | |
| 174 | .5 | 61 | | | | | | | | | | | | | | | | m | | |
| 175 | | 86 | | | | | | | | | | | | | | | | h | | |
| 177 | | 57 | | | | | | | | | | | | | | | | m | | |
| 180 | | 0 | | | | | | | | | | | | | | | | l | | |
| 183 | 43.4ʰ | 93 | | | | | | | | | l | | | | | | | h | | |
| 184 | | 70 | | | | | | | | | | | | | | | | m | | |
| 188 | | 81 | | | | | | | | | | | | | | | | h | | |
| 189 | | 93 | | | | | | | | | | | | | | | | h | | |
| 190 | | 78 | | | | | | | | | | | | | | | | h | | |
| 192 | | 0 | | | | | | | | | | | | | | | | l | | |
| 195 | 63.7ʰ | 94 | | | | | | | | | l | | | | | | | h | 3.57 | 4 |
| 197 | | 73 | | | | | | | | | | | | | | | | m | | |
| 198 | | 81 | | | | | | | | | | | | | | | | h | | |
| 199 | 4.1ʰ | 90 | | | | | | | | | l | | | | | | | h | | |
| 201 | | 0 | | | | | | | | | | | | | | | | l | | |
| 202 | | 92 | | | | | | | | | | | | | | | | h | | |
| 203 | | | | | | | | | | | | | | | | | | | 0.35 | 0.3 |
| 204 | | 0 | | | | | | | | | | | | | | | | l | | |
| 206 | -53.7ʰ | 87 | | | | | | | | | l | | | | | | | h | 0.34 | 1.8 |
| 209 | 26.8ʰ | 88 | | | | | | | | | l | | | | | | | h | | |
| 210 | | 0 | | | | | | | | | | | | | | | | l | | |
| 211 | 0.6ʰ | 82 | | | | | | | | | l | | | | | | | h | | 1.7 |
| 216 | | 0 | | | | | | | | | | | | | | | | l | | |
| 218 | | 64 | | | | | | | | | | | | | | | | m | | |
| 219 | | 0 | | | | | | | | | | | | | | | | l | | |
| 220 | | 93 | | | | | | | | | | | | | | | | h | | |
| 226 | 11.3ʰ | 89 | | | | | | | | | l | | | | | | | h | | |
| 227 | | 0 | | | | | | | | | | | | | | | | l | | |
| 228 | | 57 | | | | | | | | | | | | | | | | m | | |
| 230 | | 6 | | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | km/s | % | Å | Å | Å | Å | $M_\odot$/yr | erg/s |  |  |  |  |  |  |  |  |  | mag | $M_\odot$ |
| 231 |  | 91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 232 | 11.3[h] | 87 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h | 0.68 | 1.4 |
| 233 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 234 |  | 5 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 236 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 238 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 239 | 16.5[h] | 92 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h | 0.26 | 1.4 |
| 240 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 241 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 242 |  | 47 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 243 |  | 91 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 245 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 246 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 247 |  | 90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h | 0.51 | 1.3 |
| 248 | -18.6[h] | 92 |  |  |  |  |  |  |  |  |  | m |  |  |  |  | h | 0.16 | 1.85 |
| 249 | -18.6[h] | 92 |  |  |  |  |  |  |  |  |  | m |  |  |  |  | h | 3.81 | 0.1 |
| 250 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 251 |  | 49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 254 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 255 |  | 2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 258 |  | 33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 259 |  | 76 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 260 |  | 4 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 261 |  | 90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 262 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 263 |  | 79 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 264 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 265 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 266 | -17.9[h] | 93 |  |  |  |  |  |  |  |  |  | h |  |  |  |  | h |  |  |
| 267 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 268 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 269 |  | 49 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 270 |  | 7 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 271 | -81.3[h] | 93 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h |  |  |
| 272 |  | 92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 273 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 274 |  | 81 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 281 |  | 43 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 282 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 283 | 15.4[h] | 90 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h | 0.18 | 1.4 |
| 285 |  | 9 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 286 |  | 92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 287 |  | 72 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m |  |  |
| 288 |  | 79 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 289 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 290 |  | 39 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l | 1.62 | 2.7 |
| 291 |  | 77 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 292 |  | 90 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  | 1.3 |
| 293 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 294 |  | 33 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 295 | -74.2[h] | 94 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h |  |  |
| 296 |  | 92 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h | 1.72 | 0.37 |
| 297 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 298 |  | 94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 299 | 0.6[h] | 90 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h |  |  |
| 300 |  | 60 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m |  |  |
| 301 | -87.9[h] | 87 |  |  |  |  |  |  |  |  |  | l |  |  |  |  | h |  |  |
| 302 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 303 |  | 29 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 305 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 306 |  | 94 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 307 |  | 67 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m |  |  |
| 308 |  | 37 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 309 |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 310 |  | 89 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 311 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 315 |  | 85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 316 |  | 85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 317 |  | 85 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |
| 318 |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 319 |  | 26 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 320 |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | l |  |  |
| 321 |  | 70 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | m |  |  |
| 323 |  | 93 |  |  |  |  |  |  |  |  |  |  |  |  |  |  | h |  |  |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M$_\odot$/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M$_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 324 | | 64 | | | | | | | | | | | | | | | m | | |
| 325 | | 32 | | | | | | | | | | | | | | | l | | |
| 326 | | 93 | | | | | | | | | | | | | | | h | | |
| 327 | | 21 | | | | | | | | | | | | | | | l | | |
| 328 | | 9 | | | | | | | | | | | | | | | l | | |
| 330 | | 93 | | | | | | | | | | | | | | | h | | |
| 331 | -7.3[h] | 91 | | | | | | | | | | m | | | | | h | | |
| 332 | | 60 | | | | | | | | | | | | | | | m | | |
| 333 | -60.5[h] | 92 | | | | | | | | | | l | | | | | h | | |
| 334 | | 78 | | | | | | | | | | | | | | | h | | |
| 335 | | 89 | | | | | | | | | | | | | | | h | | |
| 336 | | 77 | | | | | | | | | | | | | | | h | | |
| 337 | | 93 | | | | | | | | | | | | | | | h | | |
| 338 | -392[h] | 94 | | | | | | | | | | l | | | | | h | | |
| 339 | | 27 | | | | | | | | | | | | | | | l | | |
| 342 | | 93 | | | | | | | | | | | | | | | h | | |
| 344 | | 92 | | | | | | | | | | | | | | | h | | |
| 345 | | 86 | | | | | | | | | | | | | | | h | | |
| 346 | | 72 | | | | | | | | | | | | | | | m | | |
| 347 | | 57 | | | | | | | | | | | | | | | m | | |
| 349 | | 50 | | | | | | | | | | | | | | | m | | |
| 350 | | 86 | | | | | | | | | | | | | | | h | | |
| 351 | | 66 | | | | | | | | | | | | | | | m | | |
| 353 | | 91 | | | | | | | | | | | | | | | h | | |
| 358 | | 94 | | | | | | | | | | | | | | | h | | |
| 359 | | 0 | | | | | | | | | | | | | | | l | | |
| 360 | | 94 | | | | | | | | | | | | | | | h | | |
| 361 | | 0 | | | | | | | | | | | | | | | l | | |
| 363 | | 0 | | | | | | | | | | | | | | | l | | |
| 364 | | 45 | | | | | | | | | | | | | | | l | | |
| 365 | | 0 | | | | | | | | | | | | | | | l | | |
| 366 | | 92 | | | | | | | | | | | | | | | h | | |
| 367 | | 92 | | | | | | | | | | | | | | | h | | |
| 369 | | 89 | | | | | | | | | | | | | | | h | 0.33 | 1.3 |
| 370 | | 93 | | | | | | | | | | | | | | | h | | |
| 371 | | 93 | | | | | | | | | | | | | | | h | 0.93 | 5 |
| 372 | | 2 | | | | | | | | | | | | | | | l | | |
| 373 | | 56 | | | | | | | | | | | | | | | m | | |
| 374 | | 0 | | | | | | | | | | | | | | | l | | |
| 377 | | 67 | | | | | | | | | | | | | | | m | | |
| 378 | | 92 | | | | | | | | | | | | | | | h | | |
| 379 | -5.3[h] | 94 | | | | | | | | | | m | | | | | h | | |
| 380 | | 88 | | | | | | | | | | | | | | | h | | |
| 381 | | 46 | | | | | | | | | | | | | | | l | | |
| 382 | | 92 | | | | | | | | | | | | | | | h | 2.99 | 6.67 |
| 384 | -4[h] | 93 | | | | | | | | | | l | | | | | h | 6.41 | 0.1 |
| 387 | | 94 | | | | | | | | | | | | | | | h | | 1.9 |
| 388 | | 94 | | | | | | | | | | | | | | | h | | |
| 389 | | 90 | | | | | | | | | | | | | | | h | | |
| 390 | | 0 | | | | | | | | | | | | | | | l | | |
| 391 | | 85 | | | | | | | | | | | | | | | h | | |
| 392 | | 87 | | | | | | | | | | | | | | | h | | |
| 393 | -32.7[h] | 89 | | | | | | | | | | l | | | | | h | | |
| 394 | -30.9[h] | 93 | | | | | | 6.15 | | W[b] | | | l | | h | | | h | 0.70 | 2.5 |
| 395 | | 0 | | | | | | | | | | | | | | | l | 2.93 | 2.45 |
| 398 | | 74 | | | | | | | | | | | | | | | m | | |
| 400 | | 0 | | | | | | | | | | | | | | | l | | |
| 401 | | 0 | | | | | | | | | | | | | | | l | | |
| 402 | | 0 | | | | | | | | | | | | | | | l | | |
| 403 | | 0 | | | | | | | | | | | | | | | l | | |
| 404 | | 94 | | | | | | | | | | | | | | | h | 0.44 | 2.5 |
| 405 | | 89 | | | | | | | | | | | | | | | h | | |
| 406 | | 0 | | | | | | | | | | | | | | | l | | |
| 407 | | 91 | | | | | | | | | | | | | | | h | | |
| 408 | | 94 | | | | | | | | | | | | | | | h | | |
| 409 | | | | | | | | 6.86 | | W[b] | | | | | h | | | | | |
| 411 | | 94 | | | | | | | | | | | | | | | h | | |
| 412 | | 0 | | | | | | | | | | | | | | | l | 0.08 | 2.7 |
| 414 | | 0 | | | | | | | | | | | | | | | l | | |
| 416 | | 0 | | | | | | | | | | | | | | | l | | |
| 417 | | 67 | | | | | | 84.8 | | W[b] | | | | | h | | | m | | |
| 418 | | 94 | | | | | | | | | | | | | | | h | | |
| 419 | | 32 | | | | | | | | | | | | | | | l | | |
| 420 | | 94 | | | | | | 2.63 | | W[b] | | | | | h | | | h | 1.53 | 7 |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M☉/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M☉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 421 | | 94 | | | | | | | | | | | | | | | h | | |
| 422 | | 5 | | | | | | | | | | | | | | | l | | |
| 423 | | 0 | | | | | | 5.75 | W[b] | | | | | h | | | l | | |
| 424 | | 89 | | | | | | | | | | | | | | | h | 0.38 | 3 |
| 425 | -7.5[c] | 90 | | | -10[c] | -14[c] | 1.25 | 2.61 | c[c] | h | m | h | h | h | | l | h | 3.48 | 0.1 |
| 427 | | 10 | | | | | | | | | | | | | | | l | | |
| 428 | | 81 | | | | | | | | | | | | | | | h | | |
| 429 | | 94 | | | | | | | | | | | | | | | h | | |
| 430 | | 94 | | | | | | | | | | | | | | | h | | |
| 435 | | 0 | | | | | | | | | | | | | | | l | | |
| 436 | -60[h] | 88 | | | | | | | | | | l | | | | | h | | |
| 437 | | | | | | | | 5.74 | W[b] | | | | | h | | | | | |
| 438 | | 0 | | | | | | | | | | | | | | | l | | |
| 440 | -42.1[h] | 91 | | | | | | | | | | l | | | | | h | | |
| 441 | | 0 | | | | | | | | | | | | | | | l | | |
| 443 | | 94 | | | | | | | | | | | | | | | h | | |
| 444 | | 0 | | | | | | | | | | | | | | | l | | |
| 445 | | 42 | | | | | | | | | | | | | | | l | | |
| 448 | -21.6[h] | 92 | | | | | | | | | | m | | | | | h | 0.42 | 1.5 |
| 449 | | 94 | | | | | | | 17.1 | W[b] | | | | | h | | | h | | |
| 454 | | 93 | | | | | | | | | | | | | | | h | | |
| 457 | | 0 | | | | | | | | | | | | | | | l | | |
| 458 | | 0 | | | | | | | | | | | | | | | l | | |
| 459 | | 8 | | | | | | | | | | | | | | | l | | |
| 460 | -19.3[h] | 94 | | | | | | | | | | m | | | | | h | | |
| 462 | 18.2[h] | 83 | | | | | | | | | | l | | | | | h | | |
| 465 | | 80 | | | | | | | | | | | | | | | h | | |
| 466 | -22.2[h] | 91 | | | | | | | | | | m | | | | | h | | |
| 469 | | 94 | | | | | | | | | | | | | | | h | | |
| 474 | | 94 | | | | | | | | | | | | | | | h | | |
| 475 | | 89 | | | | | | | | | | | | | | | h | | |
| 476 | -4.9[h] | 90 | | | | | | | | | | m | | | | | h | | |
| 477 | | 94 | | | | | | | | | | | | | | | h | 8.75 | 3.17 |
| 479 | | 92 | | | | | | | | | | | | | | | h | | |
| 482 | | 0 | | | | | | | | | | | | | | | l | | |
| 484 | | 87 | | | | | | | | | | | | | | | h | | |
| 485 | | 87 | | | | | | | | | | | | | | | h | | |
| 486 | | 0 | | | | | | | | | | | | | | | l | | |
| 487 | | 93 | | | | | | | | | | | | | | | h | | |
| 489 | -15.1[h] | 91 | | | | | | | | | | h | | | | | h | 3.71 | 4 |
| 491 | | 5 | | | | | | | | | | | | | | | l | | |
| 492 | | 0 | | | | | | | | | | | | | | | l | | |
| 493 | | 47 | | | | | | | | | | | | | | | l | | |
| 494 | | 91 | | | | | | | | | | | | | | | h | 0.30 | 6 |
| 495 | | 54 | | | | | | | | | | | | | | | m | 0.74 | 2.7 |
| 496 | | 0 | | | | | | | | | | | | | | | l | | |
| 497 | | 88 | | | | | | | | | | | | | | | h | | |
| 498 | | 0 | | | | | | | | | | | | | | | l | | |
| 499 | | 82 | | | | | | | | | | | | | | | h | | |
| 500 | | 0 | | | | | | | | | | | | | | | l | | |
| 503 | | 84 | | | | | | | | | | | | | | | h | | |
| 504 | -48.4[h] | 92 | | | | | | | | | | l | | | | | h | | |
| 505 | | 89 | | | | | | | | | | | | | | | h | 0.00 | 2.7 |
| 506 | | 94 | | | | | | | | | | | | | | | h | | |
| 507 | | 83 | | | | | | | | | | | | | | | h | | |
| 508 | | 93 | | | | | | | | | | | | | | | h | | |
| 509 | | 49 | | | | | | | | | | | | | | | l | | |
| 510 | | 94 | | | | | | | | | | | | | | | h | | |
| 511 | | 86 | | | | | | | | | | | | | | | h | | |
| 512 | | 4 | | | | | | | | | | | | | | | l | | |
| 513 | | 0 | | | | | | | | | | | | | | | l | | |
| 514 | -33.8[h] | 91 | | | | | | | | | | l | | | | | h | | |
| 515 | | 0 | | | | | | | | | | | | | | | l | 1.93 | 1.9 |
| 516 | | 88 | | | | | | | | | | | | | | | h | 6.61 | 4 |
| 517 | | 94 | | | | | | | | | | | | | | | h | | |
| 518 | | 0 | | | | | | | | | | | | | | | l | | |
| 519 | | 94 | | | | | | | | | | | | | | | h | | |
| 521 | | 68 | | | | | | | | | | | | | | | m | | |
| 522 | | 94 | | | | | | | | | | | | | | | h | 1.00 | 2.7 |
| 523 | | 91 | | | | | | | | | | | | | | | h | | |
| 524 | | 94 | | | | | | | | | | | | | | | h | | |
| 526 | | 0 | | | | | | | | | | | | | | | l | | |
| 527 | | 92 | | | | | | | | | | | | | | | h | | |
| 529 | | 91 | | | | | | | | | | | | | | | h | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M⊙/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M⊙ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 530 | | 25 | | | | | | | | | | | | | | | | l | | |
| 531 | | 93 | | | | | | | | | | | | | | | | h | | |
| 532 | | 81 | | | | | | | | | | | | | | | | h | | |
| 533 | | 0 | | | | | | | | | | | | | | | | l | | |
| 534 | | 87 | | | | | | | | | | | | | | | | h | | |
| 535 | | 0 | | | | | | | | | | | | | | | | l | | |
| 536 | | 0 | | | | | | | | | | | | | | | | l | | |
| 537 | | 0 | | | | | | | | | | | | | | | | l | | |
| 538 | -19[c] | 82 | | | -15[c] | | | | c[c] | | h | m | | | | | | h | | |
| 539 | | 0 | | | | | | | | | | | | | | | | l | | |
| 540 | | 93 | | | | | | | | | | | | | | | | h | 0.97 | 1.8 |
| 542 | | 10 | | | | | | | | | | | | | | | | l | | |
| 543 | | 0 | | | | | | | | | | | | | | | | l | | |
| 544 | | 32 | | | | | | | | | | | | | | | | l | | |
| 546 | | 90 | | | | | | | | | | | | | | | | h | | |
| 547 | | 0 | | | | | | | | | | | | | | | | l | | |
| 549 | | 45 | | | | | | | | | | | | | | | | l | | |
| 550 | | 60 | | | | | | | | | | | | | | | | m | | |
| 551 | | 0 | | | | | | | | | | | | | | | | l | | |
| 552 | | 89 | | | | | | | | | | | | | | | | h | | |
| 553 | -319[h] | 94 | | | | | | | | | | | l | | | | | h | | |
| 554 | | 0 | | | | | | | | | | | | | | | | l | | |
| 555 | | 75 | | | | | | | | | | | | | | | | h | | |
| 556 | | 27 | | | | | | | | | | | | | | | | l | | |
| 557 | | 27 | | | | | | | | | | | | | | | | l | | |
| 558 | | 45 | | | | | | | | | | | | | | | | l | | |
| 559 | | 91 | | | | | | | | | | | | | | | | h | | |
| 560 | | 92 | | | | | | | | | | | | | | | | h | | |
| 561 | | 51 | | | | | | | | | | | | | | | | m | | |
| 562 | | 0 | | | | | | | | | | | | | | | | l | | |
| 563 | | 0 | | | | | | | | | | | | | | | | l | | |
| 564 | | 91 | | | | | | | | | | | | | | | | h | | |
| 565 | | 91 | | | | | | | | | | | | | | | | h | | |
| 566 | | 91 | | | | | | | | | | | | | | | | h | | |
| 567 | | 84 | | | | | | | | | | | | | | | | h | | |
| 569 | | | | | | | | | | | | | | | | | | | 4.19 | 1.5 |
| 571 | | 11 | | | | | | | | | | | | | | | | l | | |
| 572 | | 93 | | | | | | | | | | | | | | | | h | 2.07 | 4 |
| 573 | -1.4[h] | 84 | | | | | | | | | | | l | | | | | h | | |
| 574 | | 0 | | | | | | | | | | | | | | | | l | | |
| 575 | | 89 | | | | | | | | | | | | | | | | h | | |
| 576 | | | | | | | | | | | | | | | | | | | 0.44 | 1.3 |
| 577 | | 1 | | | | | | | | | | | | | | | | l | | |
| 578 | | 0 | | | | | | | | | | | | | | | | l | | |
| 579 | | 94 | | | | | | | | | | | | | | | | h | | |
| 580 | | 93 | | | | | | | | | | | | | | | | h | | |
| 581 | | 88 | | | | | | | | | | | | | | | | h | | |
| 584 | | 85 | | | | | | | | | | | | | | | | h | | |
| 585 | -53.1[h] | 90 | | | | | | | | | | | l | | | | | h | 0.22 | 1.6 |
| 586 | | 90 | | | | | | | | | | | | | | | | h | | |
| 588 | | 0 | | | | | | | | | | | | | | | | l | | |
| 589 | | 81 | | | | | | | | | | | | | | | | h | | |
| 590 | | 15 | | | | | | | | | | | | | | | | l | | |
| 591 | | 32 | | | | | | | | | | | | | | | | l | | |
| 592 | | 3 | | | | | | | | | | | | | | | | l | | |
| 593 | | 81 | | | | | | | | | | | | | | | | h | | |
| 594 | | 66 | | | | | | | | | | | | | | | | m | 0.84 | 2.2 |
| 595 | 5[h] | 93 | | | | | | | | | | | l | | | | | h | 0.08 | 1.5 |
| 596 | | 94 | | | | | | | | | | | | | | | | h | | |
| 598 | | 94 | | | | | | | | | | | | | | | | h | 0.07 | 1.4 |
| 599 | | 94 | | | | | | | | | | | | | | | | h | 1.07 | 2.7 |
| 600 | | 86 | | | | | | | | | | | | | | | | h | | |
| 601 | | 0 | | | | | | | | | | | | | | | | l | | |
| 602 | | 6 | | | | | | | | | | | | | | | | l | | |
| 603 | | 84 | | | | | | | | | | | | | | | | h | | |
| 604 | | 27 | | | | | | | | | | | | | | | | l | | |
| 605 | | 0 | | | | | | | | | | | | | | | | l | | |
| 606 | | 92 | | | | | | | | | | | | | | | | h | 0.60 | 1.6 |
| 607 | | 51 | | | | | | | | | | | | | | | | m | | |
| 608 | | 5 | | | | | | | | | | | | | | | | l | | |
| 609 | | 0 | | | | | | | | | | | | | | | | l | | |
| 610 | | 0 | | | | | | | | | | | | | | | | l | | |
| 611 | | 0 | | | | | | | | | | | | | | | | l | | |
| 612 | | 0 | | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M$_\odot$/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | Li | Hα | RV | $\dot{M}$ | X-ray [c] | IR excess [b] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M$_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 613 | | 66 | | | | | | | | | | | | | | | m | | |
| 614 | | 0 | | | | | | | | | | | | | | | l | | |
| 615 | | 84 | | | | | | | | | | | | | | | h | | |
| 616 | | 94 | | | | | | | | | | | | | | | h | | |
| 617 | | 26 | | | | | | | | | | | | | | | l | 1.11 | 2.7 |
| 618 | | 0 | | | | | | | | | | | | | | | l | | |
| 620 | | 0 | | | | | | | | | | | | | | | l | | |
| 621 | | 79 | | | | | | | | | | | | | | | h | | |
| 622 | | 0 | | | | | | | | | | | | | | | l | | |
| 623 | | 0 | | | | | | | | | | | | | | | l | | |
| 625 | | 94 | | | | | | | | | | | | | | | h | | |
| 627 | | 53 | | | | | | | | | | | | | | | m | | |
| 628 | | 85 | | | | | | | | | | | | | | | h | | |
| 629 | | 87 | | | | | | | | | | | | | | | h | | |
| 630 | | 0 | | | | | | | | | | | | | | | l | | |
| 633 | | 4 | | | | | | | | | | | | | | | l | | |
| 634 | | 93 | | | | | | | | | | | | | | | h | | |
| 635 | | 14 | | | | | | | | | | | | | | | l | | |
| 636 | | 51 | | | | | | | | | | | | | | | m | | |
| 637 | | 68 | | | | | | | | | | | | | | | m | 0.95 | 2.7 |
| 638 | | 0 | | | | | | | | | | | | | | | l | | |
| 639 | | 88 | | | | | | | | | | | | | | | h | | |
| 640 | | 92 | | | | | | | | | | | | | | | h | | |
| 641 | | 0 | | | | | | | | | | | | | | | l | | |
| 642 | | 62 | | | | | | | | | | | | | | | m | | |
| 643 | | 19 | | | | | | | | | | | | | | | l | | |
| 644 | | 93 | | | | | | | | | | | | | | | h | | |
| 645 | | 86 | | | | | | | | | | | | | | | h | | |
| 646 | | 48 | | | | | | | | | | | | | | | l | | |
| 647 | | 91 | | | | | | | | | | | | | | | h | | |
| 648 | | 0 | | | | | | | | | | | | | | | l | | |
| 649 | | 93 | | | | | | | | | | | | | | | h | | |
| 650 | | 93 | | | | | | | | | | | | | | | h | 2.53 | 2.7 |
| 651 | | 92 | | | | | | | | | | | | | | | h | | |
| 652 | | 94 | | | | | | | | | | | | | | | h | 0.07 | 1.6 |
| 653 | | 77 | | | | | | | | | | | | | | | h | | |
| 654 | | 0 | | | | | | | | | | | | | | | l | | |
| 655 | | 0 | | | | | | | | | | | | | | | l | | |
| 656 | | 88 | | | | | | | | | | | | | | | h | | |
| 657 | | 0 | | | | | | | | | | | | | | | l | | |
| 658 | | 93 | | | | | | | | | | | | | | | h | | |
| 659 | | 0 | | | | | | | | | | | | | | | l | | |
| 660 | | 5 | | | | | | | | | | | | | | | l | | |
| 661 | | 1 | | | | | | | | | | | | | | | l | | |
| 662 | | 94 | | | | | | | | | | | | | | | h | 1.35 | 2.1 |
| 665 | | 62 | | | | | | | | | | | | | | | m | 0.93 | 1.8 |
| 666 | | 0 | | | | | | | | | | | | | | | l | | |
| 667 | | 0 | | | | | | | | | | | | | | | l | | |
| 668 | | 79 | | | | | | | | | | | | | | | h | | |
| 669 | | 92 | | | | | | | | | | | | | | | h | 1.29 | 2.2 |
| 670 | | 0 | | | | | | | | | | | | | | | l | | |
| 671 | | 0 | | | | | | | | | | | | | | | l | | |
| 672 | | 0 | | | | | | | | | | | | | | | l | | |
| 673 | | 94 | | | | | | | | | | | | | | | h | 1.21 | 2 |
| 674 | | 0 | | | | | | | | | | | | | | | l | | |
| 675 | | 0 | | | | | | | | | | | | | | | l | | |
| 676 | | 0 | | | | | | | | | | | | | | | l | | |
| 677 | | 0 | | | | | | | | | | | | | | | l | | |
| 678 | | 91 | | | | | | | | | | | | | | | h | 0.17 | 2.5 |
| 679 | | 0 | | | | | | | | | | | | | | | l | | |
| 680 | | 89 | | | | | | | | | | | | | | | h | | |
| 681 | | 92 | | | | | | | | | | | | | | | h | | |
| 682 | | 0 | | | | | | | | | | | | | | | l | | |
| 683 | | 91 | | | | | | | | | | | | | | | h | 1.03 | 3 |
| 684 | | 88 | | | | | | | | | | | | | | | h | 0.49 | 3.5 |
| 685 | | 90 | | | | | | | | | | | | | | | h | 1.34 | 5 |
| 686 | | 94 | | | | | | | | | | | | | | | h | | |
| 687 | | 4 | | | | | | | | | | | | | | | l | | |
| 688 | | 94 | | | | | | | | | | | | | | | h | | |
| 689 | | 6 | | | | | | | | | | | | | | | l | | |
| 690 | -14.8[h] | 94 | | | | | | | | | h | | | | | | h | | 4 |
| 691 | | 40 | | | | | | | | | | | | | | | l | | |
| 692 | | 81 | | | | | | | | | | | | | | | h | | |
| 693 | | 0 | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M$_\odot$/yr | $L_{\mathrm{X,c}}$ $10^{30}$ erg/s | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_{\mathrm{V}}$ (JHK) mag | Mass (models) M$_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 694 | | 86 | | | | | | | | | | | | | | | h | | |
| 695 | | 90 | | | | | | | | | | | | | | | h | | |
| 696 | | 2 | | | | | | | | | | | | | | | l | 1.06 | 2.2 |
| 697 | | 63 | | | | | | | | | | | | | | | m | 1.12 | 1.7 |
| 698 | | 66 | | | | | | | | | | | | | | | m | | |
| 699 | | 88 | | | | | | | | | | | | | | | h | | |
| 700 | | 47 | | | | | | | | | | | | | | | l | | |
| 701 | | 92 | | | | | | | | | | | | | | | h | | |
| 702 | | 92 | | | | | | | | | | | | | | | h | | |
| 703 | | 9 | | | | | | | | | | | | | | | l | | |
| 704 | | 2 | | | | | | | | | | | | | | | l | | |
| 706 | | 90 | | | | | | | | | | | | | | | h | | |
| 707 | -28.8[h] | 93 | | | | | | | | | | | | | 1 | | h | 0.15 | 2.2 |
| 708 | | 5 | | | | | | | | | | | | | | | l | | |
| 709 | | 90 | | | | | | | | | | | | | | | h | | |
| 710 | | 10 | | | | | | | | | | | | | | | l | | |
| 711 | | 0 | | | | | | | | | | | | | | | l | | |
| 712 | | 86 | | | | | | | | | | | | | | | h | | |
| 713 | | 86 | | | | | | | | | | | | | | | h | | |
| 714 | | 79 | | | | | | | | | | | | | | | h | | |
| 715 | | 94 | | | | | | | | | | | | | | | h | | |
| 716 | | 81 | | | | | | | | | | | | | | | h | | |
| 717 | | 85 | | | | | | | | | | | | | | | h | | |
| 718 | | 0 | | | | | | | | | | | | | | | l | | |
| 719 | | 0 | | | | | | | | | | | | | | | l | | |
| 720 | | 10 | | | | | | | | | | | | | | | l | | |
| 721 | | 93 | | | | | | | | | | | | | | | h | | |
| 722 | | 1 | | | | | | | | | | | | | | | l | | |
| 723 | | 81 | | | | | | | | | | | | | | | h | | |
| 724 | | 87 | | | | | | | | | | | | | | | h | | |
| 725 | | 0 | | | | | | | | | | | | | | | l | | |
| 726 | | 0 | | | | | | | | | | | | | | | l | | |
| 727 | | 0 | | | | | | | | | | | | | | | l | | |
| 728 | | 13 | | | | | | | | | | | | | | | l | | |
| 729 | | 87 | | | | | | | | | | | | | | | h | | |
| 730 | | 48 | | | | | | | | | | | | | | | l | | |
| 731 | | 53 | | | | | | | | | | | | | | | m | | |
| 732 | | 0 | | | | | | | | | | | | | | | l | 2.53 | 3.5 |
| 734 | | 0 | | | | | | | | | | | | | | | l | | |
| 735 | -56.7[h] | 91 | | | | | | | | | | | | | 1 | | h | | |
| 736 | | 92 | | | | | | | | | | | | | | | h | | |
| 737 | | 75 | | | | | | | | | | | | | | | h | | |
| 738 | | 87 | | | | | | | | | | | | | | | h | | |
| 739 | | 91 | | | | | | | | | | | | | | | h | | |
| 740 | | 90 | | | | | | | | | | | | | | | h | | |
| 741 | | 88 | | | | | | | | | | | | | | | h | | |
| 742 | | 91 | | | | | | | | | | | | | | | h | | |
| 743 | | 1 | | | | | | | | | | | | | | | l | | |
| 744 | | 26 | | | | | | | | | | | | | | | l | | |
| 745 | | 93 | | | | | | | | | | | | | | | h | | |
| 746 | | 70 | | | | | | | | | | | | | | | m | | |
| 747 | | 0 | | | | | | | | | | | | | | | l | | |
| 748 | | 16 | | | | | | | | | | | | | | | l | 2.50 | 7 |
| 749 | | 76 | | | | | | | | | | | | | | | h | | |
| 750 | | 55 | | | | | | | | | | | | | | | m | | |
| 752 | | 67 | | | | | | | | | | | | | | | m | | |
| 753 | | 5 | | | | | | | | | | | | | | | l | | |
| 754 | | 0 | | | | | | | | | | | | | | | l | | |
| 755 | | 90 | | | | | | | | | | | | | | | h | | |
| 756 | | 94 | | | | | | | | | | | | | | | h | | |
| 757 | | 46 | | | | | | | | | | | | | | | l | 0.64 | 1.4 |
| 758 | | 28 | | | | | | | | | | | | | | | l | | |
| 759 | | 58 | | | | | | | | | | | | | | | m | | |
| 760 | | 0 | | | | | | | | | | | | | | | l | | |
| 761 | | 1 | | | | | | | | | | | | | | | l | | |
| 762 | | 12 | | | | | | | | | | | | | | | l | | |
| 763 | | 0 | | | | | | | | | | | | | | | l | | |
| 764 | | 77 | | | | | | | | | | | | | | | h | | |
| 765 | | 0 | | | | | | | | | | | | | | | l | 0.38 | 2.7 |
| 766 | | 9 | | | | | | | | | | | | | | | l | | |
| 767 | | 81 | | | | | | | | | | | | | | | h | | |
| 768 | | 56 | | | | | | | | | | | | | | | m | | |
| 769 | | 46 | | | | | | | | | | | | | | | l | | |
| 772 | | 27 | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ | X-ray [c] | IR excess [b] | Varia-bility [d] | PM [a,e,f] | $A_V$ (JHK) [j] | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M⊙/yr | erg/s | | | | | | | | | | | mag | M⊙ |
| 773 | | 19 | | | | | | | | | | | | | | | | l | | |
| 774 | | 92 | | | | | | | | | | | | | | | | h | | |
| 775 | | 91 | | | | | | | | | | | | | | | | h | | |
| 776 | | 70 | | | | | | | | | | | | | | | | m | | |
| 777 | | 0 | | | | | | | | | | | | | | | | l | | |
| 778 | | 84 | | | | | | | | | | | | | | | | h | | |
| 779 | | 0 | | | | | | | | | | | | | | | | l | | |
| 780 | | 0 | | | | | | | | | | | | | | | | l | | |
| 781 | | 94 | | | | | | | | | | | | | | | | h | | |
| 782 | | 0 | | | | | | | | | | | | | | | | l | 1.85 | 3.5 |
| 783 | | 94 | | | | | | | | | | | | | | | | h | | |
| 784 | | 0 | | | | | | | | | | | | | | | | l | | |
| 785 | | 0 | | | | | | | | | | | | | | | | l | | |
| 786 | | 87 | | | | | | | | | | | | | | | | h | | |
| 787 | | 0 | | | | | | | | | | | | | | | | l | 1.73 | 5 |
| 788 | | 7 | | | | | | | | | | | | | | | | l | | |
| 789 | | 83 | | | | | | | | | | | | | | | | h | | |
| 790 | | 18 | | | | | | | | | | | | | | | | l | | |
| 791 | | 93 | | | | | | | | | | | | | | | | h | | |
| 792 | | 83 | | | | | | | | | | | | | | | | h | | |
| 793 | | 36 | | | | | | | | | | | | | | | | l | | |
| 794 | | 11 | | | | | | | | | | | | | | | | l | | |
| 795 | | 41 | | | | | | | | | | | | | | | | l | | |
| 796 | | 89 | | | | | | | | | | | | | | | | h | | |
| 797 | | 5 | | | | | | | | | | | | | | | | l | | |
| 798 | | 74 | | | | | | | | | | | | | | | | m | | |
| 799 | | 0 | | | | | | | | | | | | | | | | l | | |
| 800 | | 8 | | | | | | | | | | | | | | | | l | | |
| 801 | | 90 | | | | | | | | | | | | | | | | h | | |
| 802 | | 1 | | | | | | | | | | | | | | | | l | 1.32 | 2.85 |
| 803 | | 73 | | | | | | | | | | | | | | | | m | | |
| 804 | | 92 | | | | | | | | | | | | | | | | h | | |
| 805 | | 37 | | | | | | | | | | | | | | | | l | | |
| 806 | | 0 | | | | | | | | | | | | | | | | l | | |
| 807 | | 85 | | | | | | | | | | | | | | | | h | | |
| 808 | | 0 | | | | | | | | | | | | | | | | l | | |
| 809 | | 26 | | | | | | | | | | | | | | | | l | | |
| 810 | | 88 | | | | | | | | | | | | | | | | h | | |
| 811 | | 0 | | | | | | | | | | | | | | | | l | | |
| 812 | | 92 | | | | | | | | | | | | | | | | h | | |
| 813 | | 0 | | | | | | | | | | | | | | | | l | | |
| 815 | | 79 | | | | | | | | | | | | | | | | h | | |
| 816 | | 93 | | | | | | | | | | | | | | | | h | | |
| 817 | | 93 | | | | | | | | | | | | | | | | h | 0.55 | 3 |
| 818 | | 0 | | | | | | | | | | | | | | | | l | | |
| 819 | | 0 | | | | | | | | | | | | | | | | l | 1.09 | 7 |
| 820 | | 55 | | | | | | | | | | | | | | | | m | | |
| 821 | | 0 | | | | | | | | | | | | | | | | l | | |
| 822 | | 91 | | | | | | | | | | | | | | | | h | | |
| 823 | | 92 | | | | | | | | | | | | | | | | h | | |
| 824 | | 0 | | | | | | | | | | | | | | | | l | | |
| 825 | | 87 | | | | | | | | | | | | | | | | h | | |
| 826 | | 85 | | | | | | | | | | | | | | | | h | 0.53 | 1.75 |
| 827 | | 11 | | | | | | | | | | | | | | | | l | | |
| 828 | | 50 | | | | | | | | | | | | | | | | m | | |
| 829 | | 48 | | | | | | | | | | | | | | | | l | | |
| 830 | | 87 | | | | | | | | | | | | | | | | h | | |
| 831 | | 0 | | | | | | | | | | | | | | | | l | | |
| 832 | | 0 | | | | | | | | | | | | | | | | l | | |
| 833 | | 87 | | | | | | | | | | | | | | | | h | | |
| 834 | | 0 | | | | | | | | | | | | | | | | l | | |
| 835 | | 0 | | | | | | | | | | | | | | | | l | | |
| 836 | | 0 | | | | | | | | | | | | | | | | l | | |
| 837 | | 8 | | | | | | | | | | | | | | | | l | | |
| 838 | | 75 | | | | | | | | | | | | | | | | h | | |
| 839 | | 81 | | | | | | | | | | | | | | | | h | | |
| 840 | | 0 | | | | | | | | | | | | | | | | l | | |
| 841 | | 94 | | | | | | | | | | | | | | | | h | | |
| 842 | | 93 | | | | | | | | | | | | | | | | h | | |
| 844 | | 86 | | | | | | | | | | | | | | | | h | 7.94 | 0.1 |
| 845 | | 86 | | | | | | | | | | | | | | | | h | 1.78 | 2.5 |
| 846 | | 0 | | | | | | | | | | | | | | | | l | | |
| 847 | | 6 | | | | | | | | | | | | | | | | l | | |
| 848 | | 0 | | | | | | | | | | | | | | | | l | 1.41 | 5 |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{\mathrm{X,c}}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_{\mathrm{V}}$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M$_\odot$/yr | erg/s | | | | | | | | | | | mag | M$_\odot$ |
| 849 | | 10 | | | | | | | | | | | | | | | | l | | |
| 850 | | 89 | | | | | | | | | | | | | | | | h | | |
| 851 | | 91 | | | | | | | | | | | | | | | | h | 2.36 | 2.2 |
| 852 | | 81 | | | | | | | | | | | | | | | | h | | |
| 853 | | 86 | | | | | | | | | | | | | | | | h | | |
| 854 | | 93 | | | | | | | | | | | | | | | | h | | |
| 855 | | 92 | | | | | | | | | | | | | | | | h | | |
| 856 | | 85 | | | | | | | | | | | | | | | | h | | |
| 857 | | 77 | | | | | | | | | | | | | | | | h | 0.12 | 4.5 |
| 858 | | 0 | | | | | | | | | | | | | | | | l | | |
| 859 | | 0 | | | | | | | | | | | | | | | | l | | |
| 860 | | 0 | | | | | | | | | | | | | | | | l | | |
| 861 | | 93 | | | | | | | | | | | | | | | | h | | |
| 862 | | 94 | | | | | | | | | | | | | | | | h | | |
| 863 | | 0 | | | | | | | | | | | | | | | | l | | |
| 864 | | 90 | | | | | | | | | | | | | | | | h | | |
| 865 | | 0 | | | | | | | | | | | | | | | | l | | |
| 866 | | 81 | | | | | | | | | | | | | | | | h | | |
| 867 | | 90 | | | | | | | | | | | | | | | | h | | |
| 868 | | 84 | | | | | | | | | | | | | | | | h | | |
| 869 | | 81 | | | | | | | | | | | | | | | | h | | |
| 870 | | 0 | | | | | | | | | | | | | | | | l | 0.07 | 3.5 |
| 871 | | 68 | | | | | | | | | | | | | | | | m | | |
| 872 | | 89 | | | | | | | | | | | | | | | | h | | |
| 873 | | 1 | | | | | | | | | | | | | | | | l | | |
| 874 | | 0 | | | | | | | | | | | | | | | | l | | |
| 875 | | 76 | | | | | | | | | | | | | | | | h | | |
| 878 | | 89 | | | | | | | | | | | | | | | | h | 2.18 | 2.5 |
| 879 | | 83 | | | | | | | | | | | | | | | | h | | |
| 880 | | 92 | | | | | | | | | | | | | | | | h | | |
| 881 | | 0 | | | | | | | | | | | | | | | | l | | |
| 882 | | | | | | | | | | | | | | | | | | | 0.50 | 2.2 |
| 883 | | 84 | | | | | | | | | | | | | | | | h | | |
| 884 | | 94 | | | | | | | | | | | | | | | | h | | |
| 885 | | 93 | | | | | | | | | | | | | | | | h | 2.57 | 4 |
| 886 | | 94 | | | | | | | | | | | | | | | | h | | |
| 887 | | 0 | | | | | | | | | | | | | | | | l | | |
| 888 | | 81 | | | | | | | | | | | | | | | | h | | |
| 889 | | 94 | | | | | | | | | | | | | | | | h | | |
| 890 | | 0 | | | | | | | | | | | | | | | | l | | |
| 891 | | 93 | | | | | | | | | | | | | | | | h | | |
| 892 | | 94 | | | | | | | | | | | | | | | | h | 1.20 | 1.8 |
| 893 | | 90 | | | | | | | | | | | | | | | | h | | |
| 894 | | 2 | | | | | | | | | | | | | | | | l | 0.93 | 7 |
| 895 | | 94 | | | | | | | | | | | | | | | | h | | |
| 896 | | 0 | | | | | | | | | | | | | | | | l | | |
| 897 | | 94 | | | | | | | | | | | | | | | | h | | |
| 898 | | 0 | | | | | | | | | | | | | | | | l | | |
| 899 | | 4 | | | | | | | | | | | | | | | | l | | |
| 900 | | 92 | | | | | | | | | | | | | | | | h | | |
| 901 | | 84 | | | | | | | | | | | | | | | | h | | |
| 902 | | 82 | | | | | | | | | | | | | | | | h | | |
| 903 | | 67 | | | | | | | | | | | | | | | | m | | |
| 904 | | 90 | | | | | | | | | | | | | | | | h | | |
| 905 | | 66 | | | | | | | | | | | | | | | | m | 1.85 | 3 |
| 906 | | 91 | | | | | | | | | | | | | | | | h | | |
| 907 | | 89 | | | | | | | | | | | | | | | | h | | |
| 908 | | 94 | | | | | | | | | | | | | | | | h | 1.93 | 2.7 |
| 909 | | 93 | | | | | | | | | | | | | | | | h | 0.16 | 3.5 |
| 910 | | 93 | | | | | | | | | | | | | | | | h | | |
| 911 | | 80 | | | | | | | | | | | | | | | | h | 1.18 | 4.5 |
| 912 | | 13 | | | | | | | | | | | | | | | | l | | |
| 913 | | 67 | | | | | | | | | | | | | | | | m | | |
| 914 | | 49 | | | | | | | | | | | | | | | | l | | |
| 915 | | 94 | | | | | | | | | | | | | | | | h | | |
| 916 | | 91 | | | | | | | | | | | | | | | | h | 1.52 | 2.2 |
| 917 | | 92 | | | | | | | | | | | | | | | | h | | |
| 918 | | 0 | | | | | | | | | | | | | | | | l | | |
| 919 | | 84 | | | | | | | | | | | | | | | | h | | |
| 920 | | 0 | | | | | | | | | | | | | | | | l | | |
| 921 | | 0 | | | | | | | | | | | | | | | | l | | |
| 923 | | 78 | | | | | | | | | | | | | | | | h | | |
| 924 | | 11 | | | | | | | | | | | | | | | | l | | |
| 925 | | 37 | | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ | X-ray | IR ex-cess | Varia-bility | PM | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | $M_\odot$/yr | erg/s | | | | | | [c] | [b] | [d] | [a,e,f] | [j] | mag | $M_\odot$ |
| 928 | | 4 | | | | | | | | | | | | | | | | l | | |
| 929 | | 30 | | | | | | | | | | | | | | | | l | 0.76 | 2.85 |
| 930 | | 94 | | | | | | | | | | | | | | | | h | | |
| 931 | | 94 | | | | | | | | | | | | | | | | h | | |
| 932 | | 93 | | | | | | | | | | | | | | | | h | | |
| 933 | | 55 | | | | | | | | | | | | | | | | m | | |
| 934 | | 86 | | | | | | | | | | | | | | | | h | | |
| 935 | | 92 | | | | | | | | | | | | | | | | h | | |
| 936 | | 77 | | | | | | | | | | | | | | | | h | | |
| 937 | | 0 | | | | | | | | | | | | | | | | l | 1.27 | 7 |
| 938 | | 1 | | | | | | | | | | | | | | | | l | | |
| 939 | | 91 | | | | | | | | | | | | | | | | h | | |
| 940 | | 5 | | | | | | | | | | | | | | | | l | | |
| 941 | | 41 | | | | | | | | | | | | | | | | l | | |
| 942 | | 47 | | | | | | | | | | | | | | | | l | | |
| 943 | | 1 | | | | | | | | | | | | | | | | l | 1.31 | 3.5 |
| 944 | | 93 | | | | | | | | | | | | | | | | h | 0.52 | 3 |
| 945 | | 94 | | | | | | | | | | | | | | | | h | | |
| 946 | | 90 | | | | | | | | | | | | | | | | h | | |
| 947 | | 93 | | | | | | | | | | | | | | | | h | | |
| 948 | | 71 | | | | | | | | | | | | | | | | m | | |
| 949 | | 86 | | | | | | | | | | | | | | | | h | | |
| 950 | | 69 | | | | | | | | | | | | | | | | m | | |
| 951 | | 93 | | | | | | | | | | | | | | | | h | | |
| 952 | | 93 | | | | | | | | | | | | | | | | h | | |
| 953 | | 62 | | | | | | | | | | | | | | | | m | | |
| 954 | | 0 | | | | | | | | | | | | | | | | l | | |
| 955 | | 1 | | | | | | | | | | | | | | | | l | | |
| 956 | | 0 | | | | | | | | | | | | | | | | l | | |
| 957 | | 0 | | | | | | | | | | | | | | | | l | | |
| 958 | | 0 | | | | | | | | | | | | | | | | l | | |
| 959 | | 34 | | | | | | | | | | | | | | | | l | | |
| 960 | | 85 | | | | | | | | | | | | | | | | h | | |
| 961 | | 22 | | | | | | | | | | | | | | | | l | | |
| 962 | | 2 | | | | | | | | | | | | | | | | l | | |
| 963 | | 28 | | | | | | | | | | | | | | | | l | | |
| 964 | | 5 | | | | | | | | | | | | | | | | l | | |
| 965 | | 92 | | | | | | | | | | | | | | | | h | | |
| 966 | | 44 | | | | | | | | | | | | | | | | l | | |
| 970 | | 50 | | | | | | | | | | | | | | | | m | | |
| 971 | | 0 | | | | | | | | | | | | | | | | l | | |
| 972 | | 0 | | | | | | | | | | | | | | | | l | | |
| 973 | | 0 | | | | | | | | | | | | | | | | l | | |
| 974 | | 44 | | | | | | | | | | | | | | | | l | | |
| 975 | | 38 | | | | | | | | | | | | | | | | l | | |
| 976 | | 0 | | | | | | | | | | | | | | | | l | | |
| 977 | | 68 | | | | | | | | | | | | | | | | m | 1.98 | 3.5 |
| 978 | | 59 | | | | | | | | | | | | | | | | m | | |
| 979 | | 94 | | | | | | | | | | | | | | | | h | | |
| 980 | | 89 | | | | | | | | | | | | | | | | h | | |
| 981 | | 0 | | | | | | | | | | | | | | | | l | | |
| 982 | | 93 | | | | | | | | | | | | | | | | h | | |
| 983 | | 0 | | | | | | | | | | | | | | | | l | | |
| 984 | | 92 | | | | | | | | | | | | | | | | h | | |
| 985 | | 94 | | | | | | | | | | | | | | | | h | | |
| 986 | | 52 | | | | | | | | | | | | | | | | m | | |
| 987 | | 94 | | | | | | | | | | | | | | | | h | | |
| 988 | | 92 | | | | | | | | | | | | | | | | h | | |
| 989 | | 47 | | | | | | | | | | | | | | | | l | | |
| 990 | | 26 | | | | | | | | | | | | | | | | l | | |
| 991 | | 87 | | | | | | | | | | | | | | | | h | | |
| 992 | | 83 | | | | | | | | | | | | | | | | h | | |
| 993 | | 93 | | | | | | | | | | | | | | | | h | | |
| 994 | | 0 | | | | | | | | | | | | | | | | l | | |
| 995 | | 81 | | | | | | | | | | | | | | | | h | | |
| 996 | | 2 | | | | | | | | | | | | | | | | l | | |
| 997 | | 0 | | | | | | | | | | | | | | | | l | | |
| 998 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1000 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1001 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1002 | | 92 | | | | | | | | | | | | | | | | h | 2.89 | 2 |
| 1004 | | 12 | | | | | | | | | | | | | | | | l | | |
| 1005 | | 6 | | | | | | | | | | | | | | | | l | | |
| 1006 | | 6 | | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M☉/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M☉ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1007 | | 0 | | | | | | | | | | | | | | | | l | 2.70 | 2.7 |
| 1010 | | 0 | | | | | | | | | | | | | | | | l | | 2.5 |
| 1011 | | 4 | | | | | | | | | | | | | | | | l | | |
| 1013 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1016 | | 3 | | | | | | | | | | | | | | | | l | | |
| 1017 | | 1 | | | | | | | | | | | | | | | | l | | |
| 1018 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1019 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1020 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1023 | | 18 | | | | | | | | | | | | | | | | l | | |
| 1025 | | 21 | | | | | | | | | | | | | | | | l | | |
| 1027 | | 86 | | | | | | | | | | | | | | | | h | | |
| 1028 | | | | | | | | | | | | | | | | | | | 7.48 | 1 |
| 1029 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1030 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1031 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1032 | | 55 | | | | | | | | | | | | | | | | m | | |
| 1033 | | 69 | | | | | | | | | | | | | | | | m | | |
| 1034 | | 72 | | | | | | | | | | | | | | | | m | | |
| 1035 | | 6 | | | | | | | | | | | | | | | | l | | 2.2 |
| 1036 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1037 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1040 | | 15 | | | | | | | | | | | | | | | | l | | |
| 1042 | | 15 | | | | | | | | | | | | | | | | l | | |
| 1043 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1044 | | 92 | | | | | | | | | | | | | | | | h | 1.41 | 2.2 |
| 1045 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1046 | | 26 | | | | | | | | | | | | | | | | l | | |
| 1050 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1053 | | 51 | | | | | | | | | | | | | | | | m | | |
| 1054 | | 63 | | | | | | | | | | | | | | | | m | | |
| 1055 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1061 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1062 | | 27 | | | | | | | | | | | | | | | | l | 0.74 | 3.5 |
| 1063 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1064 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1065 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1066 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1067 | | 9 | | | | | | | | | | | | | | | | l | | |
| 1068 | | 16 | | | | | | | | | | | | | | | | l | | |
| 1071 | | 72 | | | | | | | | | | | | | | | | m | | |
| 1072 | | 66 | | | | | | | | | | | | | | | | m | | |
| 1073 | | 56 | | | | | | | | | | | | | | | | m | | |
| 1074 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1075 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1076 | | 66 | | | | | | | | | | | | | | | | m | | |
| 1077 | | 43 | | | | | | | | | | | | | | | | l | | |
| 1078 | | 0 | | | | | | | | | | | | | | | | l | 0.53 | 3.75 |
| 1079 | | 0 | | | | | | | | | | | | | | | | l | 1.29 | 2 |
| 1080 | | 55 | | | | | | | | | | | | | | | | m | | |
| 1081 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1082 | | 73 | | | | | | | | | | | | | | | | m | | |
| 1083 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1084 | | 87 | | | | | | | | | | | | | | | | h | | |
| 1085 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1087 | | 0 | | | | | | | | | | | | | | | | l | 0.92 | 2.2 |
| 1088 | | 33 | | | | | | | | | | | | | | | | l | | |
| 1089 | | 0 | | | | | | | | | | | | | | | | l | 0.78 | 2.7 |
| 1091 | | 81 | | | | | | | | | | | | | | | | h | | |
| 1092 | | 36 | | | | | | | | | | | | | | | | l | | |
| 1093 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1094 | | 75 | | | | | | | | | | | | | | | | h | 1.53 | 2.2 |
| 1097 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1098 | | 45 | | | | | | | | | | | | | | | | l | | |
| 1099 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1100 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1101 | | 74 | | | | | | | | | | | | | | | | m | | |
| 1102 | | 4 | | | | | | | | | | | | | | | | l | | |
| 1103 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1104 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1105 | | 41 | | | | | | | | | | | | | | | | l | 1.18 | 3.5 |
| 1106 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1107 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1108 | | 0 | | | | | | | | | | | | | | | | l | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM [j] % | EW(Li) max Å | EW(Li) min Å | EW(Hα) max Å | EW(Hα) min Å | $\dot{M}$ $10^{-8}$ M$_\odot$/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | | Li | Hα | RV | $\dot{M}$ | X-ray [c] | IR excess [b] | Variability [d] | PM [j] | $A_V$ (JHK) mag | Mass (models) M$_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1110 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1111 | | | | | | | | | | | | | | | | | | | 0.84 | 5 |
| 1112 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1113 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1114 | | 69 | | | | | | | | | | | | | | | | m | | |
| 1117 | | 70 | | | | | | | | | | | | | | | | m | | |
| 1118 | | 2 | | | | | | | | | | | | | | | | l | | |
| 1119 | | 56 | | | | | | | | | | | | | | | | m | | |
| 1120 | | 73 | | | | | | | | | | | | | | | | m | | |
| 1121 | | 81 | | | | | | | | | | | | | | | | h | | |
| 1122 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1123 | | 12 | | | | | | | | | | | | | | | | l | | |
| 1124 | | 59 | | | | | | | | | | | | | | | | m | | |
| 1125 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1126 | | 84 | | | | | | | | | | | | | | | | h | | 3 |
| 1127 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1128 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1129 | | 14 | | | | | | | | | | | | | | | | l | 1.40 | 4 |
| 1130 | | 22 | | | | | | | | | | | | | | | | l | | |
| 1131 | | 49 | | | | | | | | | | | | | | | | l | | |
| 1132 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1133 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1134 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1135 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1136 | | 0 | | | | | | | | | | | | | | | | l | 0.22 | 4 |
| 1137 | | 86 | | | | | | | | | | | | | | | | h | 2.02 | 3.5 |
| 1138 | | 27 | | | | | | | | | | | | | | | | l | | |
| 1139 | | 7 | | | | | | | | | | | | | | | | l | | |
| 1140 | | 57 | | | | | | | | | | | | | | | | m | | |
| 1141 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1142 | | 45 | | | | | | | | | | | | | | | | l | 1.07 | 7 |
| 1143 | | 33 | | | | | | | | | | | | | | | | l | | |
| 1144 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1145 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1146 | | 0 | | | | | | | | | | | | | | | | l | 0.07 | 4 |
| 1148 | | 59 | | | | | | | | | | | | | | | | m | | |
| 1149 | | 2 | | | | | | | | | | | | | | | | l | | |
| 1150 | | 83 | | | | | | | | | | | | | | | | h | 0.65 | 2.2 |
| 1151 | | 78 | | | | | | | | | | | | | | | | h | | |
| 1152 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1153 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1155 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1156 | | 4 | | | | | | | | | | | | | | | | l | | |
| 1157 | | 1 | | | | | | | | | | | | | | | | l | | |
| 1158 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1160 | | 81 | | | | | | | | | | | | | | | | h | | |
| 1161 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1162 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1163 | | 77 | | | | | | | | | | | | | | | | h | | |
| 1164 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1165 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1166 | | 75 | | | | | | | | | | | | | | | | h | | |
| 1167 | | 78 | | | | | | | | | | | | | | | | h | | |
| 1168 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1169 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1170 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1171 | | 82 | | | | | | | | | | | | | | | | h | | |
| 1172 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1174 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1176 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1178 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1180 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1182 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1183 | | 68 | | | | | | | | | | | | | | | | m | | |
| 1184 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1185 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1187 | | 86 | | | | | | | | | | | | | | | | h | | |
| 1189 | | 72 | | | | | | | | | | | | | | | | m | | |
| 1190 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1191 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1192 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1193 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1194 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1195 | | 51 | | | | | | | | | | | | | | | | m | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ | X-ray [c] | IR excess [b] | Variability [d] | PM [a,e,f] | $A_V$ (JHK) [j] | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | $M_\odot$/yr | erg/s | | | | | | | | | | | mag | $M_\odot$ |
| 1196 | | 51 | | | | | | | | | | | | | | | | m | | |
| 1197 | | 85 | | | | | | | | | | | | | | | | h | | |
| 1198 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1199 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1200 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1201 | | 11 | | | | | | | | | | | | | | | | l | | |
| 1202 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1203 | | 74 | | | | | | | | | | | | | | | | m | | |
| 1204 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1205 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1206 | | 87 | | | | | | | | | | | | | | | | h | | |
| 1207 | | 47 | | | | | | | | | | | | | | | | l | | |
| 1208 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1210 | | 74 | | | | | | | | | | | | | | | | m | | |
| 1211 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1212 | | 60 | | | | | | | | | | | | | | | | m | | |
| 1213 | | 81 | | | | | | | | | | | | | | | | h | | |
| 1214 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1215 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1216 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1217 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1218 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1219 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1220 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1221 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1223 | | 60 | | | | | | | | | | | | | | | | m | | |
| 1224 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1225 | | 29 | | | | | | | | | | | | | | | | l | | |
| 1226 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1228 | | 21 | | | | | | | | | | | | | | | | l | | |
| 1230 | | 0 | | | | | | | | | | | | | | | | l | 2.07 | 4 |
| 1231 | | 68 | | | | | | | | | | | | | | | | m | | |
| 1232 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1234 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1235 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1236 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1237 | | 18 | | | | | | | | | | | | | | | | l | | |
| 1238 | | 78 | | | | | | | | | | | | | | | | h | | |
| 1239 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1240 | | 73 | | | | | | | | | | | | | | | | m | | |
| 1241 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1242 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1243 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1244 | | 52 | | | | | | | | | | | | | | | | m | | |
| 1245 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1246 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1247 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1248 | | 91 | | | | | | | | | | | | | | | | h | 1.23 | 4 |
| 1249 | | 64 | | | | | | | | | | | | | | | | m | | |
| 1250 | | 2 | | | | | | | | | | | | | | | | l | | |
| 1251 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1252 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1253 | | 46 | | | | | | | | | | | | | | | | l | | |
| 1254 | | 78 | | | | | | | | | | | | | | | | h | | |
| 1255 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1256 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1257 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1258 | | 27 | | | | | | | | | | | | | | | | l | | |
| 1259 | | 27 | | | | | | | | | | | | | | | | l | | |
| 1260 | | 87 | | | | | | | | | | | | | | | | h | | |
| 1261 | | 87 | | | | | | | | | | | | | | | | h | | |
| 1262 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1263 | | 11 | | | | | | | | | | | | | | | | l | | |
| 1264 | | 59 | | | | | | | | | | | | | | | | m | | |
| 1265 | | 0 | | | | | | | | | | | | | | | | l | 0.66 | 3.5 |
| 1267 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1268 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1269 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1270 | | 85 | | | | | | | | | | | | | | | | h | 0.11 | 2.35 |
| 1271 | | 22 | | | | | | | | | | | | | | | | l | | |
| 1272 | | 2 | | | | | | | | | | | | | | | | l | 1.82 | 5.34 |
| 1273 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1274 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1275 | | 87 | | | | | | | | | | | | | | | | h | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (*JHK*) mag | Mass (models) M$_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M$_\odot$/yr | erg/s | | | | | | | | | | | | |
| 1276 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1277 | | 86 | | | | | | | | | | | | | | | | h | | |
| 1278 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1279 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1280 | | 61 | | | | | | | | | | | | | | | | m | | |
| 1281 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1282 | | 77 | | | | | | | | | | | | | | | | h | | |
| 1283 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1284 | | 23 | | | | | | | | | | | | | | | | l | | |
| 1285 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1286 | | 31 | | | | | | | | | | | | | | | | l | | |
| 1287 | | 4 | | | | | | | | | | | | | | | | l | | |
| 1288 | | 65 | | | | | | | | | | | | | | | | m | | |
| 1289 | | 65 | | | | | | | | | | | | | | | | m | | |
| 1290 | | 16 | | | | | | | | | | | | | | | | l | | |
| 1291 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1292 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1293 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1294 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1295 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1296 | | 35 | | | | | | | | | | | | | | | | l | | |
| 1297 | | 35 | | | | | | | | | | | | | | | | l | | |
| 1298 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1299 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1300 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1301 | | 36 | | | | | | | | | | | | | | | | l | | |
| 1302 | | 80 | | | | | | | | | | | | | | | | h | | |
| 1303 | | 64 | | | | | | | | | | | | | | | | m | | |
| 1304 | | 15 | | | | | | | | | | | | | | | | l | | |
| 1305 | | 79 | | | | | | | | | | | | | | | | h | | |
| 1306 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1307 | | 14 | | | | | | | | | | | | | | | | l | | |
| 1308 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1309 | | 2 | | | | | | | | | | | | | | | | l | | |
| 1310 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1311 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1312 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1313 | | 8 | | | | | | | | | | | | | | | | l | | |
| 1314 | | 14 | | | | | | | | | | | | | | | | l | | |
| 1315 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1316 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1317 | -57.6[h] | 90 | | | | | | | | | | | 1 | | | | | h | | |
| 1318 | | 78 | | | | | | | | | | | | | | | | h | | |
| 1319 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1320 | | 1 | | | | | | | | | | | | | | | | l | | |
| 1321 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1322 | | 71 | | | | | | | | | | | | | | | | m | | |
| 1323 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1324 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1325 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1326 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1327 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1328 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1329 | | 3 | | | | | | | | | | | | | | | | l | | |
| 1330 | | 82 | | | | | | | | | | | | | | | | h | | |
| 1331 | | 88 | | | | | | | | | | | | | | | | h | | |
| 1332 | | 74 | | | | | | | | | | | | | | | | m | | |
| 1333 | | 74 | | | | | | | | | | | | | | | | m | | |
| 1334 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1335 | | 36 | | | | | | | | | | | | | | | | l | | |
| 1338 | | 0 | | | | | | | | | | | | | | | | l | 0.56 | 3 |
| 1339 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1340 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1341 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1342 | | 3 | | | | | | | | | | | | | | | | l | | |
| 1343 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1344 | | 86 | | | | | | | | | | | | | | | | h | 0.95 | 2 |
| 1346 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1347 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1348 | | 86 | | | | | | | | | | | | | | | | h | 0.66 | 1.3 |
| 1349 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1350 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1351 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1352 | | 51 | | | | | | | | | | | | | | | | m | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M☉/yr | erg/s | | | | | | | | | | | mag | M☉ |
| 1353 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1354 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1355 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1356 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1357 | | 88 | | | | | | | | | | | | | | | | h | | |
| 1358 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1359 | | 88 | | | | | | | | | | | | | | | | h | | |
| 1360 | | 77 | | | | | | | | | | | | | | | | h | | |
| 1361 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1362 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1363 | | 12 | | | | | | | | | | | | | | | | l | | |
| 1364 | | 30 | | | | | | | | | | | | | | | | l | | |
| 1365 | | 73 | | | | | | | | | | | | | | | | m | | |
| 1366 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1367 | | 86 | | | | | | | | | | | | | | | | h | | |
| 1368 | | 31 | | | | | | | | | | | | | | | | l | | |
| 1369 | | 57 | | | | | | | | | | | | | | | | m | | |
| 1370 | | 0 | | | | | | | | | | | | | | | | l | 1.15 | 7 |
| 1371 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1372 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1373 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1374 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1375 | | 37 | | | | | | | | | | | | | | | | l | | |
| 1376 | | 52 | | | | | | | | | | | | | | | | m | | |
| 1377 | | 93 | | | | | | | | | | | | | | | | h | | |
| 1378 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1379 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1380 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1381 | | 88 | | | | | | | | | | | | | | | | h | | |
| 1382 | | 89 | | | | | | | | | | | | | | | | h | | |
| 1383 | | 11 | | | | | | | | | | | | | | | | l | | |
| 1384 | | 51 | | | | | | | | | | | | | | | | m | | |
| 1385 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1386 | | 26 | | | | | | | | | | | | | | | | l | | |
| 1387 | | 90 | | | | | | | | | | | | | | | | h | | |
| 1388 | | 47 | | | | | | | | | | | | | | | | l | 1.17 | 2.7 |
| 1390 | | 0 | | | | | | | | | | | | | | | | l | 3.02 | 2.75 |
| 1391 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1392 | | 43 | | | | | | | | | | | | | | | | l | | |
| 1393 | | 84 | | | | | | | | | | | | | | | | h | | |
| 1394 | | 62 | | | | | | | | | | | | | | | | m | | |
| 1395 | | 75 | | | | | | | | | | | | | | | | h | 1.07 | 1.95 |
| 1396 | | 43 | | | | | | | | | | | | | | | | l | | |
| 1397 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1398 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1401 | | 0 | | | | | | | | | | | | | | | | l | | |
| 1402 | | 92 | | | | | | | | | | | | | | | | h | | |
| 1403 | | 91 | | | | | | | | | | | | | | | | h | | |
| 1404 | | 83 | | | | | | | | | | | | | | | | h | | |
| 1405 | | 94 | | | | | | | | | | | | | | | | h | | |
| 1407 | | | | | -6.8[e] | -7[c] | 0 | | w[c] | | | l | | l | | l | l | | | |
| 1408 | | | | | -13[f] | | | | | | | h | | | | | | | | |
| 1409 | | | 0.6[c] | | -4.7[e] | -5[c] | 0 | | w[c] | | h | l | | l | | l | h | | | |
| 1410 | | | 0.3[c] | | -7[c] | -7.3[e] | 0 | | w[c] | | h | l | | l | | l | | | 1.04 | 0.2 |
| 1411 | | | 0.5[c] | | -4.8[e] | -5[c] | 0 | | w[c] | | h | l | | l | | l | h | | | |
| 1412 | -14.6[c] | | 0.5[c] | | -1.8[e] | -2[c] | 0.13 | | w[c] | | h | l | h | h | | l | h | | | |
| 1413 | | | | | -3[f] | | | | | | | l | | | | | | | 0.49 | 0.15 |
| 1414 | -42.8[c] | | 0.3[c] | | -5[c] | | 0 | | w(c)[c] | | h | h | l | l | | l | l | | | |
| 1415 | | | 1[c] | | -13[c] | -13.4[e] | 0.12: | | w(c)[c] | | h | h | | h | | l | l | | | |
| 1416 | -17.2[c] | | 0.4[c] | | -5[c] | | 1.6 | | c[c] | | h | h | h | h | | h | h | | 2.65 | 0.1 |
| 1417 | -19.9[c] | | 0.5[c] | 0.3[f] | -43[c] | -63[f] | 0.97-2.5 | | c[c] | | h | h | m | h | | h | h | | 1.18 | 0.1 |
| 1418 | | | 0.7[f] | 0.5[c] | -4[f] | -10[c] | 1.1 | | c[c] | | h | h | | h | | h | h | | 2.64 | 0.1 |
| 1419 | -15.4[c] | | 0.5[c] | | -28[c] | -33[c] | 16.2-13.2 | | c[c] | | h | h | h | h | | h | h | | 1.93 | 0.1 |
| 1420 | | | 0.5[e] | | -8[c] | | | | w[e] | | h | l | | | | l | | | 1.12 | 0.1 |
| 1421 | -9.9[c] | | 0.4[c] | | -18[c] | -23[c] | 0.8 | | c[c] | | h | h | m | h | | h | h | | 1.11 | 0.1 |
| 1422 | | | | | -80.8[e] | | | | c[e] | | | h | | | | h | h | | 1.53 | 0.1 |
| 1423 | | | 0.4[c] | | -3.9[e] | -4[c] | 0 | | w[c] | | h | l | | l | | l | l | | | |
| 1424 | | | 0.3[e] | | -7.2[e] | | | | w[e] | | h | l | | | | l | | | | |
| 1425 | | | 1.3[f] | 0.3[c] | -23[c] | -37[c] | <0.1 | | c[c] | | h | h | | m | | h | l | | 2.21 | 0.1 |
| 1426 | -68.2[c] | | | | -9[c] | | | | w[c] | | | h | l | | | l | h | | | |
| 1427 | -18.4[c] | | 0.6[c] | | -4[c] | -4.5[e] | 0 | | w[c] | | h | l | h | l | | h | h | | 0.39 | 0.2 |
| 1428 | -16.5[c] | | 0.2[c] | | -20[c] | -23[c] | | | c[c] | | m | h | h | | | h | l | | 1.52 | 0.1 |
| 1429 | -15.1[c] | | 0.6[c] | | -3.8[e] | -4[c] | 0.06 | | w[c] | | h | l | h | h | | l | l | | | |
| 1430 | | | 0.8[c] | | -11[c] | | 0 | | w(c)[c] | | h | h | | l | | l | l | | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | Li | Hα | RV | $\dot{M}$ | X-ray | IR excess | Variability | PM | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | M☉/yr | erg/s | | | | | [c] | [b] | [d] | [a,e,f] | [j] | mag | M☉ |
| 1431 | | 0.7[c] | | | -4[c] | -8[f] | 0 | | w[c] | h | l | | l | | l | h | | 0.02 | 0.1 |
| 1432 | -15.8[c] | 0.6[f] | 0.5 | | -2[c] | -17[c] | 0.81-3.3 | | c[c] | h | h | h | h | | h | h | | 3.15 | 0.1 |
| 1433 | | 0.7[c] | | | -17[c] | | 0 | | w(c)[c] | h | h | | l | | l | h | | | |
| 1434 | -15.6[c] | 0.5[c] | | | -1.5[e] | -2[c] | <0.1 | | w[c] | h | l | h | m | | l | h | | | |
| 1435 | | | | | -13[c] | | 0 | | w(c:)[c] | | h | | l | | l | l | | 0.11 | 0.1 |
| 1436 | -13.4[c] | 0.9[f] | 0.6[c] | | -13[c] | -30[c] | 0.88 | | c[c] | h | h | h | h | | h | h | | 0.69 | 0.1 |
| 1437 | -25.2[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1438 | -15.8[c] | 0.6[e] | | | -10[e] | | 0 | | w[c] | h | h | h | l | | l | l | | | |
| 1439 | -15.7[c] | 0.6[f] | 0.4[c] | | -33[c] | -37[f] | 0.21 | | c[c] | h | h | h | h | | h | | | 0.24 | 0.1 |
| 1440 | -19.1[c] | 0.4[c] | | | -2[c] | -7[f] | 0 | | w[c] | h | l | m | l | | l | l | | | |
| 1441 | -16.9[c] | 0.4[c] | | | -8[c] | -11.3[e] | <0.1 | | c[c] | h | h | h | m | | h | h | | 0.77 | 0.1 |
| 1442 | | 0.7[c] | | | -4.8[c] | -5[c] | 0 | | w[c] | h | l | | l | | l | l | | 1.13 | 0.2 |
| 1443 | -117.9[c] | | | | -4[e] | | | | w w[c] | | h | l | | | l | l | | 1.01 | 0.2 |
| 1444 | | 0.7[c] | | | -7[c] | | 0 | | w[c] | h | l | | l | | | h | | 0.14 | 0.3 |
| 1445 | -26.1[c] | 0.4[c] | | | -15[c] | -28[c] | 6 | | c[c] | h | h | l | h | | h | h | | 1.04 | 0.1 |
| 1446 | -7.4[c] | 0.6[c] | | | -3[c] | | 0 | | w[c] | h | l | m | l | | l | l | | | |
| 1447 | -16.7[c] | 0.4[c] | | | -6[c] | -6.5[e] | 0 | | w[c] | h | l | h | l | | l | h | | 0.24 | 0.2 |
| 1448 | -18.5[c] | 0.5[c] | | | -7.5[e] | -8[c] | <0.1 | | w(c)[c] | h | l | h | m | | h | l | | 0.37 | 0.1 |
| 1449 | | | | | -7[c] | | 0 | | w[c] | | l | | l | | | l | | | 0.2 |
| 1450 | | 1.6[c] | | | -17[c] | | 0 | | w(c)[c] | h | h | | l | | l | l | | | |
| 1451 | | 0.3[c] | | | -2[c] | | | | w(c)[c] | h | l | | | | l | h | | | 0.2 |
| 1452 | -4[c] | 0.7[c] | | | -4[c] | | 0 | | w[c] | h | l | l | l | | l | h | | | |
| 1453 | -16.1[c] | 0.4[c] | | | -7[c] | | <0.1 | | c(w)[c] | h | l | h | m | | h | | | 1.02 | 0.1 |
| 1454 | -15[c] | 0.6[c] | | | -1.6[e] | -2[c] | 0.28-0.37: | | w[c] | h | l | h | h | | l | h | | 0.06 | 0.3 |
| 1455 | -11.2[c] | | | | | | 0 | | w[c] | | | m | l | | | | | | |
| 1456 | -21.8[c] | 0.5[c] | | | -1[c] | -7[f] | 0 | | w[c] | h | l | m | l | | l | l | | 0.11 | 0.1 |
| 1457 | | 0.7[c] | | | -31[c] | -107[f] | 10.7 | | c[c] | h | h | | h | | h | h | | | |
| 1458 | -15.7[c] | 0.9[f] | 0.4[c] | | -2[c] | -4[c] | 0.1 | | c(w)[c] | h | h | h | h | | h | h | | 0.48 | 0.2 |
| 1459 | | | | | -40[c] | -109[c] | <0.1 | | c[c] | | h | | m | | h | l | | | |
| 1460 | -15.6[c] | 0.5[c] | | | -14[c] | -20[c] | 1.6 | | c[c] | h | h | h | h | | h | h | | 1.73 | 0.1 |
| 1461 | -15.6[c] | 0.4[c] | | | -3[c] | -3.2[e] | 0.03 | | w[c] | h | l | h | m | | l | h | | 0.93 | 0.2 |
| 1462 | | 0.4[c] | | | -33[c] | -68.5[e] | 1.9-2.7 | | c[c] | h | h | | h | | h | h | | 1 | 0.1 |
| 1463 | -13.8[c] | | | | -11[c] | | | | c[c] | | h | h | | | h | l | | 1.05 | 0.1 |
| 1464 | -13.8[c] | 0.6[c] | | | -0.5[e] | -1[c] | 0 | | w[c] | h | l | h | l | | l | l | | 0.45 | 0.2 |
| 1465 | | 0.3[c] | | | -3[c] | -3.3[e] | 0 | | w[c] | h | l | | l | | h | h | | 0.33 | 0.2 |
| 1466 | -18.2[c] | | | | -47[c] | -56[c] | 1.5-3.9 | 3.25 | c[c] | | h | h | h | h | h | l | | 2.80 | 0.1 |
| 1467 | | | | | | | | | | | | | | | | | | 3.66 | 0.2 |
| 1468 | | 0.4[c] | | | -6.7[e] | -7[c] | 0 | | w[c] | h | l | | l | | l | h | | | |
| 1469 | -12.6 -16.9[c] | | | | -9[e] | | 0 | | w w[c] | l | h | l | | | h | l | | 1.02 | 0.2 |
| 1470 | -19.1[c] | 0.7[c] | | | -0.8[e] | -1[c] | 0 | | w[c] | h | l | m | l | | h | h | | 0.91 | 0.2 |
| 1471 | | 0.4[c] | | | -5[c] | -5.2[e] | 0 | | w[c] | h | l | | l | | l | | | | |
| 1472 | -21.3[c] | 0.6[c] | | | -18[c] | -22[c] | 0.59-2.2 | | c[c] | h | h | m | h | | h | l | | 1.12 | 0.1 |
| 1473 | | 0.5[c] | | | -6[c] | -10.3[e] | 0.04-0.20 | | c[c] | h | h | | h | | l | h | | 0.26 | 0.2 |
| 1474 | -6.3[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1475 | -20.3[c] | 0.8[f] | 0.6[c] | | -4[c] | -7[f] | 0 | | w[c] | h | l | m | l | | l | l | | 0.78 | 0.2 |
| 1476 | | 0.5[c] | | | -55[c] | | <0.1 | | c[c] | h | h | | m | | h | h | | 0.49 | 0.1 |
| 1477 | | 0.3[c] | | | -1.5[e] | -2[c] | 0 | | w[c] | m | l | | l | | l | h | | 1.21 | 0.2 |
| 1478 | -15[c] | 0.3[c] | | | -5[c] | -5.3[e] | 0 | | w[c] | h | l | h | l | | h | l | | | |
| 1479 | | 0.4[c] | | | -4.6[e] | -5[c] | 0 | | w[c] | h | l | | l | | | l | | 0.85 | 0.3 |
| 1480 | -16.7[c] | 0.6[c] | 0.4[f] | | -13[c] | -16[f] | <0.1 | | c[c] | h | h | h | m | | h | | | 1.20 | 0.1 |
| 1481 | -9.2[c] | 0.6[c] | | | -5[c] | -15[c] | <0.1 | | c[c] | h | h | m | m | | h | h | | 1.80 | 0.1 |
| 1482 | -16.7[c] | 0.6[c] | | | -8[f] | -22[c] | <0.1 | | c:(c)[c] | h | h | h | m | | h | h | | 0.62 | 0.1 |
| 1483 | | | | | -7[f] | | | | | | h | | | | | h | | | |
| 1484 | -22.4[c] | 1.2[c] | 0.5[f] | | -14[c] | -65[c] | <0.1 | | c[c] | h | h | m | m | | h | h | | 2.15 | 0.1 |
| 1485 | -25[c] | 0.5[c] | | | -2[c] | -2.3[e] | 0 | | w[c] | h | l | m | l | | l | h | | 0.09 | 0.3 |
| 1486 | -21.3[c] | 0.4[c] | | | -2[c] | | 0 | | w[c] | h | l | m | l | | l | l | | 0.63 | 0.2 |
| 1487 | | 0.6[c] | | | -5[c] | | 0.61-0.86 | | w[c] | h | l | | h | | h | h | | 0.41 | 0.2 |
| 1488 | -15.7[c] | 0.5[c] | | | -18[c] | -35.3[e] | <0.1 | | c[c] | h | h | h | m | | h | h | | 0.64 | 0.1 |
| 1489 | | | | | -8[c] | -8.4[e] | 0 | | w[c] | | l | | | | | h | | 1.03 | 0.1 |
| 1490 | | 0.6[c] | | | -18[f] | -20[c] | | | w:(c)[c] | h | h | | | | h | h | | 2.65 | 0.1 |
| 1491 | -7.5[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1492 | -7[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1493 | | 0.2[c] | | | -26.3[e] | | | | c[e] | m | h | | | | | h | | | |
| 1494 | -10.7[c] | 0.9[c] | | | -16[c] | | 0 | | w(c)[c] | h | h | m | l | | l | l | | 0.41 | 0.1 |
| 1495 | -17.3[c] | 0.6[c] | | | -4[c] | | 0 | | w[c] | h | l | h | l | | l | h | | | |
| 1496 | -16.5[c] | 0.5[c] | | | -5[c] | | 0 | | w[c] | h | l | h | l | | l | | | | 0.2 |
| 1497 | -11.8[c] | 0.5[c] | | | -3[c] | -3.1[e] | 0.23 | | w[c] | h | l | h | h | | l | h | | | |
| 1498 | | 0.4[e] | | | -7.6[e] | | | | c[e] | h | h | | | | h | | | 0.67 | 0.3 |
| 1499 | | 0.4[e] | | | -1.8[e] | | | | w[e] | h | l | | | | h | | l | 0.13 | 0.1 |
| 1500 | -2.6[c] | 0.4[c] | | | -4[c] | -4.3[e] | 0 | | w[c] | h | l | l | l | | l | h | | | |
| 1501 | -14.3[c] | 0.5[c] | | | -3[c] | -3.2[e] | 0 | | w[c] | h | l | h | l | | l | l | | 0.23 | 0.3 |
| 1502 | -13.2[c] | | | | -51[c] | -107[c] | <0.1 | | c[c] | | h | h | m | | h | l | | 0.45 | 0.1 |
| 1503 | -14.7[c] | 0.4[c] | | | -2.8[e] | -3[c] | 0 | | w[c] | h | l | h | l | | l | h | | | |
| 1504 | | 0.3[e] | | | -7.4[e] | | | | w[e] | h | l | | | | | l | | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV km/s | PM[j] % | EW(Li) max Å | EW(Li) min Å | EW($H\alpha$) max Å | EW($H\alpha$) min Å | $\dot M$ $10^{-8}$ $M_\odot$/yr | $L_{X,c}$ $10^{30}$ erg/s | TTS | Li | $H\alpha$ | RV | $\dot M$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) $M_\odot$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1505 | | | 0.5[e] | | -14.2[e] | | | | c[e] | h | h | | | | | h | | | |
| 1506 | -17.5[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1507 | | | 0.5[c] | | -0.6[e] | -1[c] | 0 | | w[c] | h | l | | l | | l | | l | | |
| 1508 | -78.8[c] | | 0.3[c] | | -15.9[e] | -16[c] | 0.73 | | c[c] | m | h | l | h | | h | h | | 0.51 | 0.1 |
| 1509 | -13.9[c] | | 0.5[c] | | -2[c] | -2.2[c] | <0.1 | | c(w)[c] | h | l | h | m | | h | h | | 2.01 | 0.1 |
| 1510 | -15.8[c] | | 0.5[c] | | -1[c] | | 0 | | w[c] | h | l | h | l | | l | h | | 1.61 | 0.93 |
| 1511 | -14.9[c] | | 0.6[c] | | -2.7[e] | -3[c] | | | w[c] | h | l | h | | | l | l | | | |
| 1512 | | | | | -33.6[e] | -48[c] | <0.1 | | c[c] | | h | | m | | h | h | | 3.07 | 0.1 |
| 1513 | | | 0.4[e] | | -1.3[e] | | | | w[e] | h | h | | | | | l | | 0.44 | 0.8 |
| 1514 | -9[c] | | 0.4[c] | | -3.6[e] | -4[c] | 0 | | w[c] | h | l | m | l | | l | l | | | |
| 1515 | | | | | -1.3[e] | | | | w[e] | | l | | | | | l | | | 0.2 |
| 1516 | | | 0.4[c] | | -2.6[e] | -3[c] | 0 | | w[c] | h | l | | l | | h | h | | 1.34 | 0.2 |
| 1517 | | | 0.7[e] | | -6.7[e] | | | | w[e] | h | l | | | | | | | 0.05 | 0.25 |
| 1518 | -17[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1519 | -14.9[c] | | 0.4[c] | | -6[c] | -6.4[e] | <0.1 | | c:(w)[c] | h | l | h | m | | h | h | | 0.54 | 0.1 |
| 1520 | -11[c] | | | | | | 0 | | w[c] | | | m | l | | | | | | |
| 1521 | -19.3[c] | | 0.4[c] | | -9[c] | -15[f] | <0.1 | | c[c] | h | h | m | m | | h | h | | 1.47 | 0.1 |
| 1522 | -14.5[c] | | 0.4[c] | | -18[c] | -47.1[e] | 0.62 | | c[c] | h | h | h | h | | h | h | | 1.42 | 0.1 |
| 1523 | -12[c] | | 0.5[c] | | -2[c] | -2.4[e] | 0 | | w[c] | h | l | h | l | | l | h | | 0.61 | 0.2 |
| 1524 | -11.6[c] | | 0.5[c] | | -70[c] | -150[c] | 0.79 | | c[c] | h | h | h | h | | | h | | 0.11 | 0.1 |
| 1525 | -14[c] | | 0.5[c] | | -26[c] | -36.4[e] | 0.41 | | c[c] | h | h | h | h | | | h | | 0.66 | 0.1 |
| 1526 | -14.9[c] | | | | | | | | w[c] | | | h | l | | | | | | |
| 1527 | | | 0.4[c] | | -3[c] | -3.3[e] | 0 | 37.4 | w[c] | h | l | | l | h | l | h | | | |
| 1528 | -14.4[c] | | 0.4[c] | | -3[f] | -4.4[e] | 0 | | w[c] | h | l | h | l | | h | h | | | |
| 1529 | -11.4[c] | | | | -33[c] | -61[c] | 0.18 | | c[c] | | h | m | h | | h | l | | 0.83 | 0.1 |
| 1530 | -12.9[c] | | 0.3[c] | | -73[c] | -124.5[e] | 0.31-0.55 | | c[c] | m | h | m | h | | h | h | | 0.11 | 0.1 |
| 1531 | -13.1[c] | | 0.4[c] | | -5[c] | -5.4[e] | 0 | | w[c] | h | l | h | l | | l | h | | | |
| 1532 | -15.1[c] | | 0.5[c] | | -0.9[e] | -1[c] | 0 | | w[c] | h | l | h | l | | l | h | | 0.10 | 0.2 |
| 1533 | -19.4[c] | | | | -10.9[e] | -11[c] | <0.1 | | c[c] | | h | m | m | | h | h | | 1.26 | 0.1 |
| 1534 | | | 1.3[c] | | -4[c] | | 0 | | w[c] | h | h | | l | | l | h | | 0.78 | 0.3 |
| 1535 | -35[c] | | 0.5[c] | | -1.5[e] | -2[c] | 0 | | w[c] | h | l | l | l | | l | h | | 0.57 | 0.18 |
| 1536 | | | 0.5[c] | | -3[c] | | 0 | | w[c] | h | l | | l | | l | h | | | |
| 1537 | -21.6[c] | | 0.3[c] | | -6[c] | -6.1[e] | 0 | | w[c] | h | l | m | l | | l | h | | | |
| 1538 | -16.4[c] | | 0.6[c] | | -4[c] | -14[f] | 0 | | w[c] | h | h | h | l | | l | h | | | |
| 1539 | -11[c] | | | | -1.7[e] | -2[c] | 0 | | w[c] | | l | m | l | | | l | | | |
| 1540 | | | 0.5[e] | | -4.3[e] | | | | w:[e] | h | l | | | | | | | | 0.2 |
| 1541 | | | 0.4[e] | | -3.3[e] | | | | w[e] | h | l | | | | | | | | |
| 1542 | -11[c] | | 0.1[c] | | -28[c] | -32[c] | | | c[c] | l | h | m | | | h | | | 1.21 | 0.1 |
| 1543 | -73.1[c] | | 0.4[c] | | -1.7[e] | -2[c] | 0.43 | | w[c] | h | l | l | h | | | l | | 0.11 | 0.1 |
| 1544 | -107.9[c] | | 0.4[c] | | -1[c] | -1.2[e] | 0 | | w[c] | h | l | l | l | | | l | | 0.93 | 0.1 |
| 1545 | -14.9[c] | | 0.6[c] | | -4[c] | -4.2[e] | 0 | | w[c] | h | l | h | l | | | l | | 0.17 | 0.2 |
| 1546 | | | 0.4[e] | | -13.1[e] | | | | c[e] | h | h | | | | | h | | 0.84 | 0.2 |
| 1547 | -16.5[c] | | 0.5[c] | | -0.7[e] | -1[c] | 0.37 | | w[c] | h | l | h | h | | | l | | 0.18 | 0.2 |
| 1548 | -15.6 -13.4[c] | | 0.3[e] | | -12.8[e] | | <0.1 | | c:(c)[c] | h | h | h | m | | h | | | 0.94 | 0.1 |
| 1549 | -25.6[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1550 | -15.6[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1551 | -9.8[c] | | | | | | 0 | | w[c] | | | m | l | | | | | | |
| 1552 | -8.1[c] | | | | | | 0 | | w[c] | | | m | l | | | | | | |
| 1553 | -22.2[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1554 | -22.7[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1555 | 122[c] | | | | -16[c] | -77[c] | <0.1 | | c[c] | | h | l | m | | h | | | 1.10 | 0.1 |
| 1556 | | | | | -5.5[e] | | | | w:[e] | | l | | | | | | | | |
| 1557 | 17.3[c] | | 0.1[c] | | -20.7[e] | -21[c] | 0 | | w(c)[c] | l | h | l | l | | h | | | 2.99 | 0.1 |
| 1558 | -12.8[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1559 | -14.4[c] | | | | -4[c] | -4.1[e] | 0 | | w[c] | | l | h | l | | h | | | | |
| 1560 | | | | | -29[c] | -29.4[e] | <0.1 | | c[c] | | h | | m | | h | | | 1.04 | 0.1 |
| 1561 | -17.1[c] | | 0.7[c] | | -10[c] | -23[c] | <0.1 | | c[c] | h | h | h | m | | h | | | 1.20 | 0.1 |
| 1562 | -20.5[c] | | 0.3[c] | | -5[c] | -5.3[e] | 0 | | w(c)[c] | h | h | m | l | | h | | | 2.01 | 0.1 |
| 1563 | -24.5[c] | | | | | | | | w[c] | | | m | | | | | | | |
| 1564 | -11.5[c] | | 0.4[c] | | -10[c] | -12[c] | 2.1 | | c[c] | h | h | h | h | | h | | | 0.18 | 0.1 |
| 1565 | 1.7[c] | | 0.4[c] | | -8.7[e] | -9[c] | 0 | | w:[c] | h | l | l | l | | h | | | | |
| 1566 | -8.5[c] | | | | | | 0 | | w[c] | | | m | l | | | | | | |
| 1567 | | | 0.4[c] | | -31[c] | -60.2[e] | <0.1 | | c[c] | h | h | | m | | h | | | 0.60 | 0.1 |
| 1568 | -15.6[c] | | 0.4[c] | | -12.7[e] | -15[c] | 23.9 | | c[c] | h | h | h | h | | h | | | 1.90 | 0.1 |
| 1569 | -21.3[c] | | 0.5[c] | | -3[c] | | | | c:(w)[c] | h | l | m | | | | | | | |
| 1570 | -18.3[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1571 | -9.3[c] | | 0.4[c] | | -7.8[e] | -8[c] | | | w[c] | h | l | m | | | h | | | 0.82 | 0.1 |
| 1572 | -15.8[c] | | 0.6[c] | | -31[c] | -47.1[e] | 0.14 | | c[c] | h | h | h | h | | h | | | 0.61 | 0.1 |
| 1573 | -17.1[c] | | 0.2[c] | | -4[c] | -4.3[e] | 0 | | w[c] | m | l | h | l | | l | | | | |
| 1574 | -13.6[c] | | 0.9[c] | | -7[c] | -7.2[e] | <0.1 | | c:[c] | h | l | h | m | | | | | 0.44 | 0.1 |
| 1575 | -12.4[c] | | 0.5[c] | | -6.7[e] | -7[c] | 0 | | w[c] | h | l | h | l | | l | | | 0.69 | 0.1 |
| 1576 | -17[c] | | | | | | 0 | | w[c] | | | h | l | | | | | | |
| 1577 | -15.8[c] | | | | -21[c] | -34[c] | <0.1 | | c[c] | | h | m | l | | | | | | |
| 1578 | -5.1[c] | | | | | | | | w[c] | | | m | | | | | | | |

Astron. Nachr. / AN (2012)

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV (km/s) | PM [j] (%) | EW(Li) max (Å) | EW(Li) min (Å) | EW(Hα) max (Å) | EW(Hα) min (Å) | $\dot{M}$ ($10^{-8}$ M⊙/yr) | $L_{X,c}$ ($10^{30}$ erg/s) | TTS | Li | Hα | RV | $\dot{M}$ [c] | X-ray [b] | IR excess [d] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) mag | Mass (models) M⊙ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1579 | -11$^c$ | | | | | | 0 | | w$^c$ | | | | m | l | | | | | |
| 1580 | -13.5$^c$ | | 0.5$^c$ | | -12$^c$ | -22$^c$ | 0.05 | | c$^c$ | h | h | h | m | | | | | 1.16 | 0.1 |
| 1581 | | | 0.4$^c$ | | -75$^c$ | -78$^c$ | <0.1 | | c$^c$ | h | h | | m | | h | | | 3.35 | 0.1 |
| 1582 | -13.2$^c$ | | 0.3$^c$ | | -5$^c$ | -18$^c$ | <0.1 | | c$^c$ | h | h | h | m | | | | | 0.69 | 0.1 |
| 1583 | -6.2$^c$ | | | | -16$^c$ | | | | c$^c$ | | h | | m | | | | | | |
| 1584 | -13.1$^c$ | | | | | | 0 | | w$^c$ | | | | h | l | | | | | |
| 1585 | -19$^c$ | | | | | | 0 | | w$^c$ | | | | m | l | | | | | |
| 1586 | | | | | -41.3$^e$ | | | | c$^e$ | | h | | | | | h | | 1.36 | 0.1 |
| 1587 | -16$^c$ | | 0.5$^c$ | | -4$^c$ | -8.5$^e$ | | | c(w)$^c$ | h | l | h | | | | h | | 2.09 | 0.2 |
| 1588 | | | 0.4$^e$ | | -31.8$^e$ | | | | c$^e$ | h | h | | | | | h | | 1.79 | 0.1 |
| 1589 | | | 0.3$^e$ | | -41.5$^e$ | | | | c$^e$ | m | h | | | | | h | | 1.66 | 0.1 |
| 1590 | | | | | -4.1$^e$ | | | | w$^e$ | l | | | | | | h | | 1.36 | 0.2 |
| 1591 | | | 0.4$^c$ | | -22.6$^e$ | -23$^c$ | | | w(c)$^c$ | h | h | | | | | h | | 1.21 | 0.1 |
| 1592 | | | 0.3$^c$ | | -129$^c$ | | | | c$^c$ | h | h | | | | | h | | 2.44 | 0.1 |
| 1593 | | | 0.1$^c$ | | -32$^c$ | -54$^c$ | | | c$^c$ | m | h | | | | | h | | 8.91 | 0.1 |
| 1594 | | | | | -41$^e$ | | | | c$^e$ | | h | | | | | h | | 1.34 | 0.1 |
| 1595 | | | 0.2$^e$ | | -21.3$^e$ | | | | c$^e$ | m | h | | | | | h | h | 3.55 | 0.1 |
| 1596 | | | | | -30$^c$ | -109$^c$ | | | c$^c$ | | h | | | | | h | h | 3.99 | 0.1 |
| 1597 | | | 0.5$^c$ | | -75.8$^e$ | -76$^c$ | 0 | | w(c)$^c$ | h | h | l | | | | h | h | 5.57 | 0.1 |
| 1598 | -11.8$^c$ | | | | -46.9$^e$ | -47$^c$ | | | w:(c)$^c$ | | h | h | | | | h | | | |
| 1599 | -68.9$^c$ | | | | -78$^c$ | -86$^c$ | | | c$^c$ | | h | l | | | | h | h | 2.16 | 0.1 |
| 1600 | | | | | | | | | | | | | | | | | | 0.18 | 5 |
| 1601 | | | | | | | | | | | | | | | | | | 0.97 | 7 |
| 1602 | | | | | | | | | | | | | | | | | | 1.03 | 5 |
| 1603 | | | | | | | | | | | | | | | | | | 2.52 | 6 |
| 1604 | | | | | | | | | | | | | | | | | | 2.64 | 7 |
| 1605 | | | | | | | | | | | | | | | | | | 0.21 | 4 |
| 1606 | | | | | | | | | | | | | | | | | | 0.37 | 4 |
| 1607 | | | | | | | | | | | | | | | | | | 0.53 | 3.5 |
| 1608 | | | | | | | | | | | | | | | | | | 0.62 | 4 |
| 1609 | | | | | | | | | | | | | | | | | | 1.44 | 6 |
| 1610 | | | | | | | | | | | | | | | | | | 3.21 | 5.19 |
| 1611 | | | | | | | | | | | | | | | | | | 1.39 | 4.5 |
| 1612 | | | | | | | | | | | | | | | | | | 1.31 | 5 |
| 1613 | | | | | | | | | | | | | | | | | | 5.64 | 7 |
| 1614 | | | | | | | | | | | | | | | | | | 2.60 | 7 |
| 1615 | | | | | | | | | | | | | | | | | | 2.11 | 7 |
| 1616 | | | | | | | | | | | | | | | | | | 0.36 | 7 |
| 1617 | | | | | | | | | | | | | | | | | | 2.35 | 5 |
| 1618 | | | | | | | | | | | | | | | | | | 1.58 | 3.75 |
| 1620 | | | | | | | | | | | | | | | | | | 1.22 | 4 |
| 1621 | | | | | | | | | | | | | | | | | | 0.60 | 2.2 |
| 1622 | | | | | | | | | | | | | | | | | | 1.79 | 5 |
| 1623 | | | | | | | | | | | | | | | | | | 1.81 | 7 |
| 1624 | | | | | | | | | | | | | | | | | | 3.02 | 6 |
| 1625 | | | | | | | | | | | | | | | | | | 1.07 | 7 |
| 1626 | | | | | | | | | | | | | | | | | | 1.01 | 3 |
| 1641 | | | | | | | | | | | | | | | | | | 2.38 | 0.2 |
| 1643 | | | | | | | | | | | | | | | | | | 1.61 | 1.4 |
| 1651 | | | | | | | | | | | | | | | | | | 2.07 | 0.2 |
| 1667 | | | | | | | | | | | | | | | | | | 0.80 | 1.5 |
| 1706 | | | | | | | | | | | | | | | | | | 3.21 | 0.2 |
| 1709 | | | | | | | | | | | | | | | | | | 4.63 | 0.43 |
| 1713 | | | | | | | | | | | | | | | | | | 5.21 | 0.15 |
| 1714 | | | | | | | | | | | | | | | | | | 1.08 | 2 |
| 1719 | | | | | | | | | | | | | | | | | | 3.60 | 0.2 |
| 1722 | | | | | | | | | | | | | | | | | | 1.94 | 1.3 |
| 1723 | | | | | | | | | | | | | | | | | | 1.63 | 0.47 |
| 1763 | | | | | | | | | | | | | | | | | h | | | |
| 1764 | | | | | | | | | | | | | | | | | h | | | |
| 1765 | | | | | | | | | | | | | | | | | l | | | |
| 1766 | | | | | | | | | | | | | | | | | l | | | |
| 1767 | | | | | | | 0 | | | | | | l | | | | | | |
| 1768 | | | | | | | | | | | | | | | | | h | | | |
| 1769 | | | | | | | | | | | | | | | | | l | | | |
| 1770 | | | | | | | | | | | | | | | | | h | | | |
| 1771 | | | | | | | | | | | | | | | | | l | | | |
| 1772 | | | | | | | 0 | | | | | | l | | | | | | |
| 1773 | | | | | | | | | | | | | | | | | h | | | |
| 1774 | | | | | | | | | | | | | | | | | h | | | |
| 1775 | | | | | | | | | | | | | | | | | h | | | |
| 1776 | | | | | | | | | | | | | | | | | h | | | |
| 1777 | | | | | | | | | | | | | | | | | l | | | |
| 1778 | | | | | | | | | | | | | | | | | l | | | |

**Table 2** Literature data and membership predictions for stars in Trumpler 37 – continued

| No. | RV | PM [j] | EW(Li) max | EW(Li) min | EW(Hα) max | EW(Hα) min | $\dot{M}$ $10^{-8}$ | $L_{X,c}$ $10^{30}$ | TTS | Li | Hα | RV | $\dot{M}$ | X-ray [c] | IR excess [b] | Variability [a,e,f] | PM [j] | $A_V$ (JHK) | Mass (models) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | km/s | % | Å | Å | Å | Å | $M_\odot$/yr | erg/s | | | | | | [d] | | | | mag | $M_\odot$ |
| 1779 | | | | | | | | | | | | | | | | h | | | |
| 1780 | | | | | | | | | | | | | | | | h | | | |
| 1781 | | | | | | | | | | | | | | | | l | | | |
| 1782 | | | | | | | | | | | | | | | | l | | | |
| 1784 | | | | | | | | | | | | | | | | h | | | |
| 1785 | | | | | | | | | | | | | | | | l | | | |
| 1786 | | | | | | | | | | | | | | | | l | | | |
| 1787 | | | | | | | | | | | | | | | | l | | | |
| 1788 | | | | | | | | | | | | | | | | h | | | |
| 1789 | | | | | | | | | | | | | | | | | | | |
| 1790 | | | | | | | | | | | | | | | | l | | | |
| 1791 | | | | | | | | | | | | | | | | h | | | |
| 1792 | | | | | | | | | | | | | | | | h | | | |
| 1793 | | | | | | | | | | | | | | | | h | | | |
| 1794 | | | | | | | | | | | | | | | | h | | | |
| 1795 | | | | | | | | | | | | | | | | l | | | |
| 1796 | | | | | | | | | | | | | | | | h | | | |
| 1798 | | | | | | | | | | | | | | | | l | | | |
| 1800 | | | | | | | | | | | | | | | | h | | | |
| 1801 | | | | | | | | | | | | | | | | l | | | |
| 1802 | | | | | -60[c] | | | | c[c] | h | | | | | | | | | |
| 1803 | | | | | -42[c] | | | | c[c] | h | | | | | | | | | |
| 1804 | -22[c] | | | | -17[c] | | | | c[c] | h | m | | | | | | | | |
| 1805 | -17.3[c] | | | | | | | | w:[c] | | h | | | | | | | | |
| 1806 | -14.4[c] | | | | | | | | c[c] | | h | | | | | | | | |
| 1807 | -15.8[c] | | | | -16[c] | | | | c[c] | h | h | | | | | | | | |
| 1808 | -12.2[c] | | | | -46[c] | | | | c[c] | h | h | | | | | | | | |
| 1809 | | | | | | | | | | | | | | | | h | | | |
| 1810 | | | | | | | | | | | | | | | | h | | | |
| 1811 | | | | | | | | | | | | | | | | h | | | |
| 1814 | | | | | | | | | | | | | | | | l | | | |
| 1815 | | | | | | | | | | | | | | | | h | | | |
| 1816 | -15[c] | | | | | | | 5.53 | w:[c] | | | h | | h | | | | | |
| 1817 | | | | | | | | | | | | | | | | | | 0.31 | 1.5 |
| 1818 | | | | | | | | 16.9 | W[b] | | | | h | | | | | | |
| 1819 | | | | | | | | 0.75 | W[b] | | | | h | | | | | | |
| 1820 | | | | | | | | 3.45 | W[b] | | | | h | | | | | | |
| 1821 | | | | | | | | 2.68 | W[b] | | | | h | | | | | | |
| 1822 | | | | | | | | 0.77 | W[b] | | | | h | | | | | | |
| 1823 | | | | | | | | 2.17 | W[b] | | | | h | | | | | | |
| 1824 | | | | | | | | 2.71 | W[b] | | | | h | | | | | | |
| 1825 | | | | | | | | 1.98 | W[b] | | | | h | | | | | | |
| 1826 | | | | | | | | 1.46 | W[b] | | | | h | | | | | | |
| 1827 | | | | | | | | 3.47 | W[b] | | | | h | | | | | | |
| 1828 | | | | | | | | 3.29 | W[b] | | | | h | | | | | | |
| 1829 | | | | | | | | 19.8 | W[b] | | | | h | | | | | | |
| 1830 | | | | | | | | 3.04 | C[b] | | | | h | | | | | | |
| 1831 | | | | | | | | 3.47 | W[b] | | | | h | | | | | | |
| 1832 | | | | | | | | 2.58 | C[b] | | | | h | | | | | | |
| 1833 | | | | | | | | 0.81 | W[b] | | | | h | | | | | | |
| 1834 | | | | | | | | 3.21 | W[b] | | | | h | | | | | | |
| 1835 | | | | | | | | 3.08 | W[b] | | | | h | | | | | | |
| 1837 | | | | | | | | | | | | | | | | l | | | |
| 1838 | | | | | | | | | | | | | | | | l | | | |
| 1840 | | | | | | | | | | | | | | | | h | | | |
| 1845 | | | | | | | | | | | | | | | | l | | | |
| 1846 | | | | | | | | | | | | | | | | l | | | |
| 1847 | | | | | | | | | | | | | | | | l | | | |
| 1848 | | | | | | | | | | | | | | | | h | | | |
| 1856 | | | | | | | | | | | | | | | | l | | | |
| 1857 | | | | | | | | | | | | | | | | h | | | |
| 1866 | | | | | | | | | | | | | | | | l | | | |
| 1869 | | | | | | | | | | | | | | | | l | | | |
| 1872 | | | | | | | | | | | | | | | | h | | | |
| 1875 | | | | | | | | | | | | | | | | l | | | |
| 1876 | | | | | | | | | | | | | | | | h | | | |
| 1877 | | | | | | | | | | | | | | | | h | | | |

**Table A2** Literature data and membership probabilities for stars in Trumpler 37.

Remarks: The literature sources and numbering are the same as in Table 1, empty lines were omitted. The proper motion (PM) membership probability as it is given in [j]. If the literature gives more than one value for Li or Hα equivalent width, the minimal and maximal values are given, otherwise the value is written in the maximum columns. The mass accretion $\dot{M}$ is only from [c], the

corrected X-ray luminosity only from [b]. Column TTS indicates a classical (c) or a weak (w) T Tauri star. If an additional T Tauri state follows in parentheses, the classification differs between low and high resolution spectra (see source literature for more details), colons indicate uncertainty.

The next to last column gives the re-calculated extinction as decribed in the text. The last column contains the masses deter-minded by the models by Siess et al. (2000) from the infrared color-magnitude diagram (Fig. 7).

**The membership prediction:** h, m and l stand for high, medium and low membership probability, as a result of the following criteria:

· Lithium absorption: see Table 3.

· H$\alpha$ emission: **if spectral type earlier than K0 and EW(H$\alpha$)$< 0 \rightarrow$ h, if spectral type later than K0 we follow White & Basri (2003) to distingish between h and l**.

· radial velocity (RV): if within $1\sigma$ (3.6 km/s) around $-15$ km/s $\rightarrow$ h, if within $3\sigma \rightarrow$ m, otherwise l.

· Accretion: if $\dot{M} > 0.05 \cdot 10^{-8} \mathrm{M}_\odot/\mathrm{yr} \rightarrow$ h, if $\dot{M} > 0 \cdot 10^{-8} \mathrm{M}_\odot/\mathrm{yr} \rightarrow$ m, if $\dot{M} = 0 \cdot 10^{-8} \mathrm{M}_\odot/\mathrm{yr} \rightarrow$ l.

· X-ray: [b] analyzed only bright X-ray sources with corrected luminosity $L_{x,c} > 0.75 \cdot 10^{30}$ erg/s, so all $\rightarrow$ h.

· Infrared excess: if excess visible in SEDs from Sicilia-Aguilar et al. (2006a), then h, otherwise l.

· Variability: if marked as "$V$" or "$RI$" in the source literature $\rightarrow$ h, if "$I$" $\rightarrow$ m, if marked as "N" or "No" $\rightarrow$ l.

· Proper motion: if $p \geq 75\% \rightarrow$ h, if $p \geq 50\% \rightarrow$ m, otherwise l.