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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 ~ 4 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 $0.9 - 1.2$ mag. We can confirm the age and distance to be $3 - 5$ Myr and ~ 870 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 $\alpha = 1.12$ ($1 - 10 M_\odot$).

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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 ~ 4 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 $A_V = 1.56 \pm 0.55$ mag. Mercer et al. (2009) found an average extinction in the central re-

gion of $A_V \sim 1.3$ 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. Giesekeing (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 H α 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 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'x53') and Xinglong (94'x94') 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 WEBDA¹ database. The WEBDA catalog contains the data on Trumpler 37 from publications before the year 2000. One

¹ <http://www.univie.ac.at/webda/>

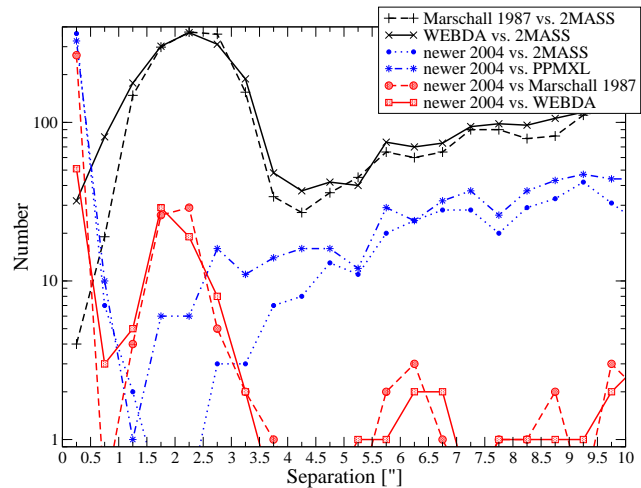


Fig. 1 The measured minimal separation between stars of two catalogs, resulting in bimodal distributions to find the maximum allowable separation. The comparison of the coordinates from literature after 2004 with WEBDA and Marschall & van Altena (1987) (red filled circles and squares) results in an optimized 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 these 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).

² <http://star-www.dur.ac.uk/~pdraper/gaia/gaia.html>

Table 1 Literature data for stars in Trumpler 37

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments		
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	mas/yr	MVA [j]		
																mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr			
1	21:36:46.57	57:11:25.4 ^F	2	3002				14.7 ^j			11.532 (24)	10.787 (28)	10.583 (20) ^F			-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 ^F	3	3003				13.9 ^j			12.647 (27)	12.547 (37)	12.452 (29) ^F			-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 ^F	4	3004				13.3 ^j			11.880 (27)	11.530 ()	11.445 () ^F							3.15	-4.9			
4	21:36:20.30	57:12:55.9 ^F	5	3005				13.6 ^j			11.562 (26)	11.227 (28)	11.101 (20) ^F			-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 ^F	7	3007				13.9 ^j			10.779 (26)	10.051 (27)	9.849 (23) ^F			-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 ^F	8	3008				15 ^j			12.718 (28)	12.333 (41)	12.227 (29) ^F			-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 ^F	9	3009				14.8 ^j			12.685 (26)	12.395 (30)	12.256 (25) ^F			-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 ^F	10	3010				14.5 ^j			12.718 (26)	12.458 (31)	12.361 (25) ^F			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 ^F	11	3011				14.9 ^j			12.423 (31)	12.017 (32)	11.878 (25) ^F			-13 (4.1)	6.5 (4.1)	-23.2 (6.9)	28.7 (7)					
11	21:36:27.84	57:14:05.7 ^F	12	3012				14.9 ^j			11.658 (24)	11.039 (27)	10.860 (21) ^F			-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 ^F	13	3013				13.6 ^j			12.133 (28)	11.785 (37)	11.716 (28) ^F			-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 ^F	14	3014				13.4 ^j			11.662 (26)	11.384 (28)	11.279 (23) ^F			-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 ^F	15	3015				13.8 ^j			12.213 (22)	11.835 (28)	11.769 (21) ^F			-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 ^F	16	3016				14.8 ^j			10.627 (24)	9.679 (28)	9.406 (21) ^F			-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	57:13:46.6 ^F	17	3017				15 ^j			12.959 (22)	12.565 (28)	12.481 (25) ^F			-3.4 (4.1)	9.5 (4.1)	0 (6.8)	7.7 (6.8)					
17	21:36:46.85	57:17:11.5 ^F	18	3018				15 ^j			12.827 (27)	12.484 (33)	12.370 (28) ^F			-2.6 (4.1)	3 (4.1)	3.6 (6.8)	9.8 (7)					
18	21:36:35.45	57:17:33.0 ^F	19	3019				14.3 ^j			12.236 (24)	11.890 (28)	11.817 (24) ^F			-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 ^F	20	3020				12.6 ^j			11.613 (24)	11.496 (31)	11.367 (23) ^F			-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 ^F	22	3022				15.66 ^l	16.13 ^l	14.53 ⁱ	13.63	12.75 ⁱ	11.284 (24)	10.614 (28)	10.357 (21) ^F			-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 ^F	23	3023				14.42 ^h	13.9	13.4 ⁱ	12.685 (26)	12.411 (31)	12.302 (26) ^F	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 ^F	24	3024				14.4 ^j			8.750 (27)	7.551 (42)	7.140 (21) ^F			-4.6 (5.1)	0.9 (5.1)	-18.3 (6.7)	5 (6.7)					
23	21:36:50.49	57:18:15.0 ^F	25	3025				14.55 ^l	12.42 ^l		8.164 (23)	7.239 (34)	6.914 (31) ^F			-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 ^F	26	445				11.8 ^j			11.102 (21)	10.989 (28)	10.930 (21) ^F	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 ^F	27	3027				14.7 ^j			12.806 (24)	12.394 (32)	12.264 (24) ^F			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 ^F	28	3028				13.8 ^j			11.048 (22)	10.404 (28)	10.179 (21) ^F			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 ^F	29	3029				13.7 ^j			12.380 (21)	12.181 (27)	12.113 (24) ^F			-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 ^F	30	3030				14.7 ^j			11.413 (22)	10.619 (27)	10.465 (20) ^F			-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 ^F	31	3031				14.8 ^j			10.745 (22)	9.736 (29)	9.435 (21) ^F			-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 Alkansas (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 1σ of the mean value, then we assigned high membership probability; if the value is between 1 and 3σ from the mean, we assigned it medium membership probability; if it is more than 3σ from the mean, we

Table 3 Membership probability using the lithium absorption

Spectral type earlier than or equal to	EW(Li) [\AA] for		
	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

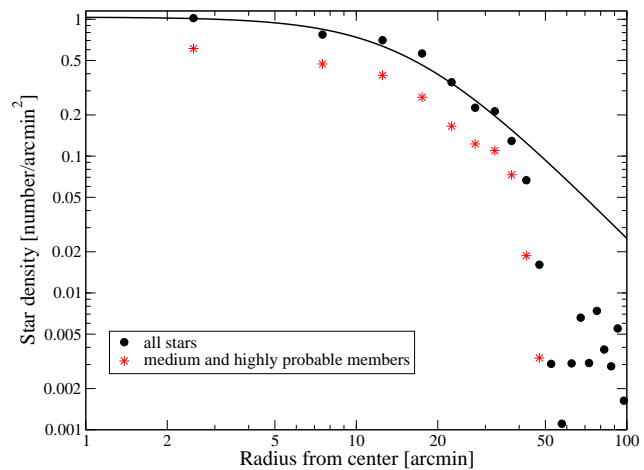


Fig. 2 The radial surface density with center at 21:39:06, 57:30:00.

assigned it low membership probability. The radial velocity determined by Sicilia-Aguilar et al. (2006b) is -15 ± 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/arcmin² 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(H α) max	EW(H α) min	\dot{M} 10 ⁻⁸	$L_{X,c}$ 10 ³⁰	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR excess [d]	Variability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) 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		
...																			
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		-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 ^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	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	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 H α 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 described in the text. The last column contains the masses determined 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 α emission: if spectral type earlier than K0 and EW(H α) < 0 \rightarrow h, if spectral type later than K0 we follow White & Basri (2003) to distinguish between h and l.
- radial velocity (RV): if within 1σ (3.6 km/s) around -15 km/s \rightarrow h, if within 3σ \rightarrow m, otherwise l.
- Accretion: if $\dot{M} > 0.05 \cdot 10^{-8} M_\odot/\text{yr}$ \rightarrow h, if $\dot{M} > 0 \cdot 10^{-8} M_\odot/\text{yr}$ \rightarrow m, if $\dot{M} = 0 \cdot 10^{-8} M_\odot/\text{yr}$ \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.

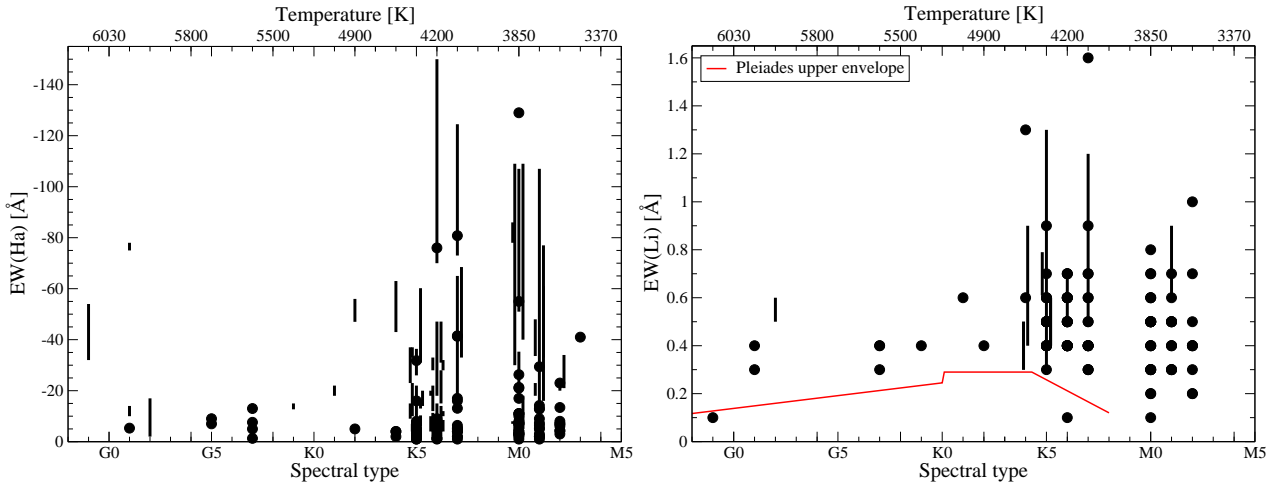


Fig. 3 The equivalent widths (EW) of H α and lithium, depending on spectral type. Both values have been taken from the literature. If different EW are available, the range is given, otherwise only a dot. For lithium, the upper envelope of the Pleiades values (Soderblom et al. 1993) is also given.

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

Sample	RA		DEC	
	mean m [mas/yr]	width σ [mas/yr]	mean m [mas/yr]	width σ [mas/yr]
Li & H α	-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 H α 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 σ 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 3σ threshold, 80 stars show infrared excess. The median and average extinctions of the cluster members are correspond-

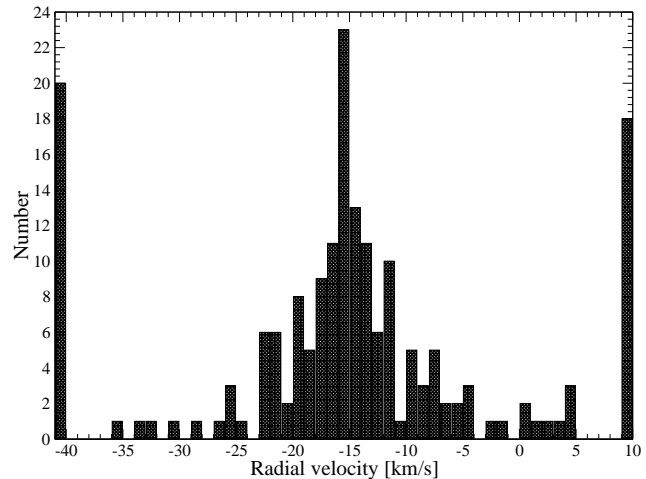


Fig. 5 The radial velocity distribution for all stars in Table 2. Values outside -40 km/s and 9 km/s are binned together, resulting in the strong signals at the edges.

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.

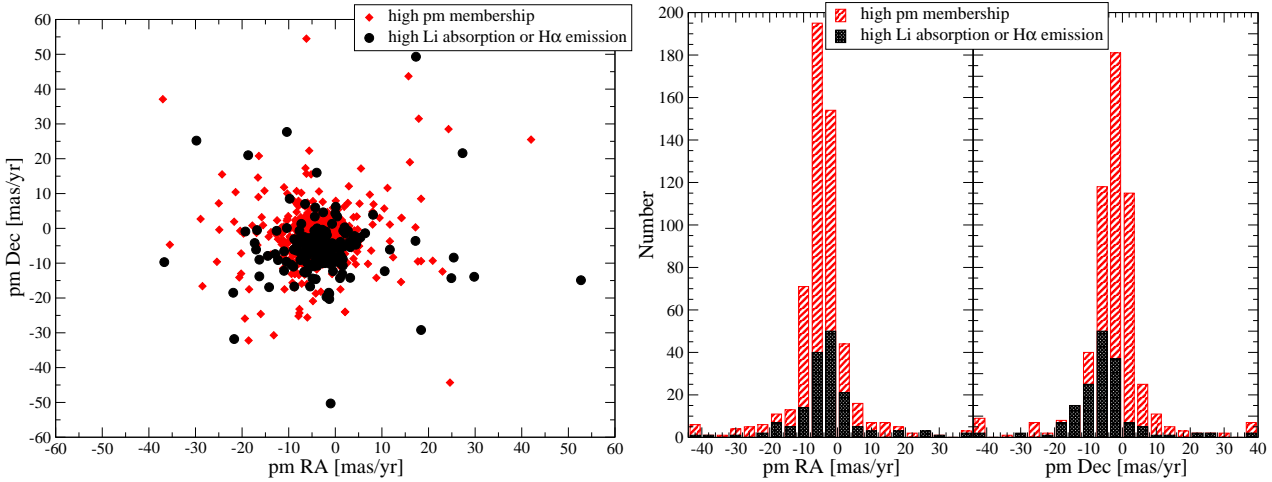


Fig. 4 The PPMXL proper motion as 2 dimensional distribution and in the histogram form. The black circles and the black histograms correspond to the high probable member stars from lithium absorption or H α emission, the red diamonds and the red, shaded histograms to the high probable member stars from Marschall & van Altena 1987. Stars outside ± 40 km/s are binned together.

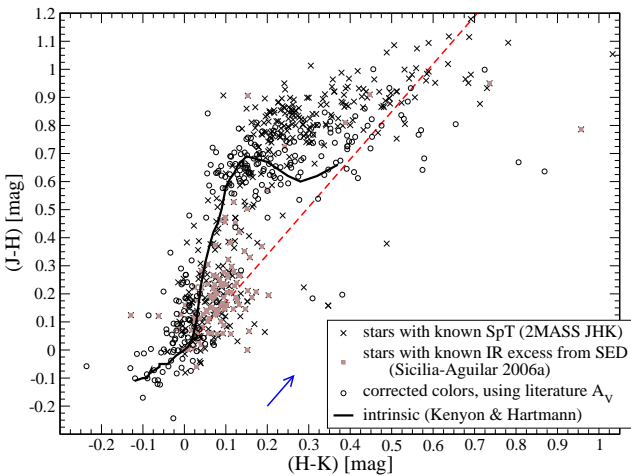


Fig. 6 The color-color-diagram from the 2MASS magnitudes. Additionally, stars with known infrared excess are marked with grey squares. The blue arrow shows the reddening vector of 1 mag (Rieke & Lebofsky 1985). The intrinsic colors of the main sequence are from Kenyon & Hartmann (1995). Stars to the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

We could plot an initial mass function of these masses (Fig. 8). We fitted the power-law index α from equation $dN = k \cdot m^{-\alpha} dm$, with constant k , following the typical zoning with changes of α 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.

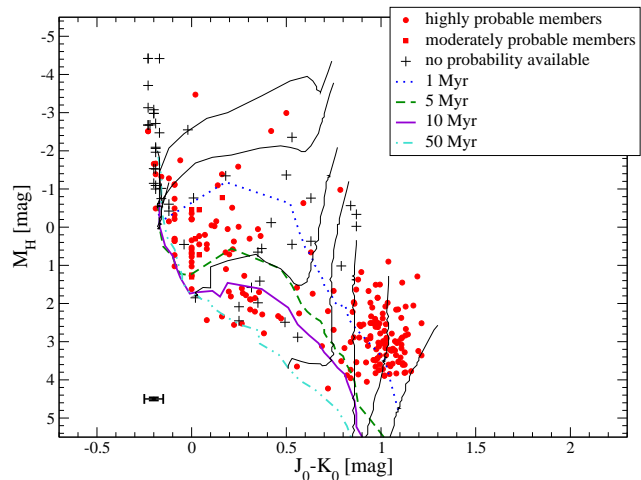


Fig. 7 Dereddened infrared color-magnitude diagram: The 2MASS magnitudes were adjusted for the excess and our fitted extinction (using the interstellar extinction law from Rieke & Lebofsky 1985). The absolute H brightness was calculated for the cluster distance of 870 pc. Additional model data from Siess 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.

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 ~ 870 pc.

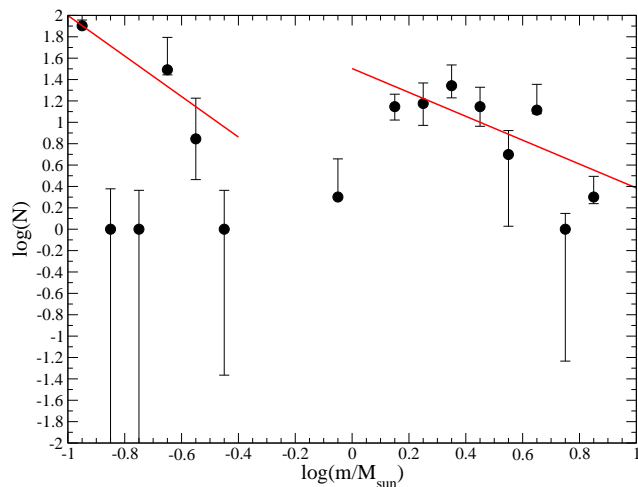


Fig. 8 Initial mass function (IMF) of the Trumpler 37 high and medium member stars with known spectral type in the literature. The points represent bins in the masses from Table 2, with a width of 0.1 on a log scale. The IMF was fitted with the power-law index $\alpha = 1.12 \pm 0.37$ in the range of $0.0 < \log(m/M_{\odot}) < 1.0$ 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	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_V</i>	μ_{α} PPMXL mas/yr	μ_{δ} mas/yr	μ_{α} UCAC3 mas/yr	μ_{δ} mas/yr	μ_{α} MVA mas/yr	μ_{δ} [j] mas/yr	Comments		
1	21:36:46.57	57:11:25.4 ^F	2	3002				14.7 ^j			11.532 (24)	10.787 (28)	10.583 (20) ^F			-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 ^F	3	3003				13.9 ^j			12.647 (27)	12.547 (37)	12.452 (29) ^F			-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 ^F	4	3004				13.3 ^j			11.880 (27)	11.530 ()	11.445 () ^F							3.15	-4.9			
4	21:36:20.30	57:12:55.9 ^F	5	3005				13.6 ^j			11.562 (26)	11.227 (28)	11.101 (20) ^F			-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 ^F	7	3007				13.9 ^j			10.779 (26)	10.051 (27)	9.849 (23) ^F			-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 ^F	8	3008				15 ^j			12.718 (28)	12.333 (41)	12.227 (29) ^F			-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 ^F	9	3009				14.8 ^j			12.685 (26)	12.395 (30)	12.256 (25) ^F			-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 ^F	10	3010				14.5 ^j			12.718 (26)	12.458 (31)	12.361 (25) ^F			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 ^F	11	3011				14.9 ^j			12.423 (31)	12.017 (32)	11.878 (25) ^F			-13 (4.1)	6.5 (4.1)	-23.2 (6.9)	28.7 (7)					
11	21:36:27.84	57:14:05.7 ^F	12	3012				14.9 ^j			11.658 (24)	11.039 (27)	10.860 (21) ^F			-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 ^F	13	3013				13.6 ^j			12.133 (28)	11.785 (33)	11.716 (28) ^F			-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 ^F	14	3014				13.4 ^j			11.662 (26)	11.384 (28)	11.279 (23) ^F			-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 ^F	15	3015				13.8 ^j			12.213 (22)	11.835 (28)	11.769 (21) ^F			-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 ^F	16	3016				14.8 ^j			10.627 (24)	9.679 (28)	9.406 (21) ^F			-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 ^F	17	3017				15 ^j			12.959 (22)	12.565 (28)	12.481 (25) ^F			-3.4 (4.1)	9.5 (4.1)	0 (6.8)	7.7 (6.8)					
17	21:36:46.85	57:17:11.5 ^F	18	3018				15 ^j			12.827 (27)	12.484 (33)	12.370 (28) ^F			-2.6 (4.1)	3 (4.1)	3.6 (6.8)	9.8 (7)					
18	21:36:35.45	57:17:33.0 ^F	19	3019				14.3 ^j			12.236 (24)	11.890 (28)	11.817 (24) ^F			-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 ^F	20	3020				12.6 ^j			11.613 (24)	11.496 (31)	11.367 (23) ^F			-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 ^F	22	3022				15.66 ^j	16.13 ^j	14.53 ^j	13.63	12.75 ^j	11.284 (24)	10.614 (28)	10.357 (21) ^F			-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 ^F	23	3023				15.3 ^h	14.42 ^h	13.9	13.4 ⁱ	12.685 (26)	12.411 (31)	12.302 (26) ^F	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 ^F	24	3024				14.4 ^j			8.750 (27)	7.551 (42)	7.140 (21) ^F			-4.6 (5.1)	0.9 (5.1)	-18.3 (6.7)	5 (6.7)					
23	21:36:50.49	57:18:15.0 ^F	25	3025				14.55 ^j	12.42 ^j			8.164 (23)	7.239 (34)	6.914 (31) ^F			-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 ^F	26	445				11.8 ^j			11.102 (21)	10.989 (28)	10.930 (21) ^F	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 ^F	27	3027				14.7 ^j			12.806 (24)	12.394 (32)	12.264 (24) ^F			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 ^F	28	3028				13.8 ^j			11.048 (22)	10.404 (28)	10.179 (21) ^F			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 ^F	29	3029				13.7 ^j			12.380 (21)	12.181 (27)	12.113 (24) ^F			-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 ^F	30	3030				14.7 ^j			11.413 (22)	10.619 (27)	10.465 (20) ^F			-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 ^F	31	3031				14.8 ^j			10.745 (22)	9.736 (29)	9.435 (21) ^F			-12 (5.1)	-1.1 (5.1)	-13.3 (6.8)	3 (6.9)					
30	21:36:14.23	57:21:30.9 ^F	32	3032				12.87 ^f	12.24 ^e			10.388 (32)	10.033 (37)	9.623 (26) ^F	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 ^F	33	3033				14.3 ^j			11.857 (28)	11.366 (39)	11.174 (25) ^F							0.1	0.35	near 30		
32	21:36:28.65	57:22:53.7 ^F	34	3034				14.3 ^j			12.502 (32)	12.196 (39)	12.119 (29) ^F			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 ^F	35	3035				15.1 ^j			10.643 (22)	9.660 (31)	9.288 (21) ^F			-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 ^F	36	3036				14.9 ^j			12.759 (22)	12.417 (32)	12.267 (24) ^F			-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 ^F	37	3037				15.1 ^j			13.502 (26)	13.233 (36)	13.061 (34) ^F			-2.7 (4.1)	0.2 (4.1)	-4.9 (7)	3.8 (6.9)					
36	21:36:58.51	57:23:25.8 ^F	38	3038 ^a	11-1209	17.70 ^f		15.41 ^e	14.52	13.59 ^e	12.200 (24)	11.433 (33)	11.122 (23) ^F	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 ^F	40	3040				14.9 ^j			12.546 (23)	12.038 (30)	11.907 (24) ^F			-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 ^F	41	3041				14.8 ^j			12.985 (26)	12.620 (32)	12.558 (29) ^F			-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 ^F	43	3043				14.3 ^j			12.303 (22)	12.027 (31)	11.853 (23) ^F			-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 ^F	44	3044				14.5 ^j			12.731 (22)	12.389 (28)	12.254 (24) ^F			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 ^F	45	439				12.6 ^j			10.866 (24)	10.689 (31)	10.618 (21) ^F	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 ^F	49	3049				12.7 ^j			11.686 (24)	11.445 (33)	11.326 (23) ^F			-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 ^F	50	3050				14.8 ^j			12.925 (27)	12.619 (31)	12.506 (28) ^F			-1 (4.1)	1.9 (4.1)	1.9 (6.8)	12.7 (6.8)					
44	21:36:54.09	57:25:11.0 ^F	51	3051				14.9 ^j			11.632 (22)	10.904 (31)	10.714 (21) ^F			-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 ^F	52	3052				14.2 ^j			12.415 (24)	12.116 (28)	12.034 (24) ^F			-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 ^F	53	3053				13.2 ^j			10.406 (23)	9.672 (30)	9.490 (23) ^F			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 ^F	54	3054				13.5 ^j			10.088 (22)	9.226 (28)	8.960 (20) ^F			-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-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	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 ^F	57	3057				14.4 ^j			12.218 (26)	11.756 (32)	11.582 (25) ^F				-7.8 (4)	4.1 (4)	-43.8 (7.4)	36.4 (7.5)			
49	21:36:53.95	57:27:58.8 ^F	58	3058				14.7 ^j			12.042 (28)	11.483 (39)	11.326 (23) ^F				-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 ^F	59	441		9.43 ^l	9.84 ^l	9.5 ^l			8.723 (24)	8.696 (42)	8.627 (20) ^F	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 ^F	60	3060		16.20 ^l	15.12 ^l	13.41 ⁱ	12.35	11.28 ^l	9.639 (21)	8.908 (44)	8.589 (21) ^F				-1.7 (4.9)	2.2 (4.9)			-0.01	-0.12	same star
52	21:36:18.17	57:32:40.4 ^F	61	3061				13.6 ^j			12.019 (22)	11.778 (28)	11.688 (23) ^F				-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 ^F	63	440		11.26 ^l	11.51 ^f	11.03 ^e	10.73	10.38 ^l	9.887 (22)	9.745 (26)	9.692 (20) ^F	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 ^F	65	3065				13.8 ^j			11.863 (24)	11.515 (29)	11.389 (22) ^F				-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 ^F	66	3066				10.5 ^j			9.468 (23)	9.171 (26)	9.124 (22) ^F				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 ^F	67	436				10.9 ^j			9.199 (21)	8.583 (26)	8.418 (22) ^F	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 ^F	68	437				10.7 ^j			8.325 (20)	7.698 (29)	7.513 (15) ^F	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 ^F	69	3069				14.8 ^j			12.522 (23)	12.132 (28)	11.993 (25) ^F				36 (7.9)	-69.1 (7.9)	16.8 (6.9)	-13 (6.9)			
59	21:36:48.70	57:35:31.4 ^F	70	3070 ^e		14.20 ^l	14.03 ^l	13.44 ^l			12.183 (23)	12.047 (28)	11.993 (25) ^F	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 ^F	71	442		8.33 ^l	8.91 ^l	8.64 ^l			8.037 (19)	8.097 (51)	8.068 (27) ^F	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 ^F	72	3072				15 ^j			12.550 (35)	12.146 (41)	11.961 (30) ^F										
62	21:36:55.42	57:33:49.0 ^F	73	3073				15.1 ^j			11.528 (36)	10.798 (40)	10.530 (28) ^F				-1.4 (5.3)	-2.5 (5.3)					
63	21:36:59.76	57:34:23.7 ^F	74	3074				12.5 ^j			11.120 (22)	10.841 (28)	10.757 (21) ^F				-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 ^F	75	3075				13.8 ^j			11.881 (22)	11.586 (27)	11.468 (23) ^F				-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 ^F	77	3077				15 ^j			13.002 (69)	12.665 (0)	12.553 (0) ^F				-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 ^F	78	3078				13.8 ^j			16.525 (132)	15.508 (0)	14.958 (0) ^F				-0.8 (5.7)	-17.2 (5.7)					no star
67	21:36:28.71	57:37:20.1 ^F	79	3079				15 ^j			12.981 (21)	12.578 (25)	12.492 (22) ^F				4.9 (3.8)	-3.9 (3.8)	7.6 (7.4)	-11 (7.5)			
68	21:36:31.19	57:37:47.8 ^F	80	3080				13.6 ^j			10.608 (21)	9.857 (26)	9.657 (22) ^F				-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 ^F	81	435		12.16 ^l	12 ^f	11.51 ^e			10.427 (24)	10.325 (31)	10.269 (23) ^F	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 ^j	82	3082				15.2 ^j															no/faint star
71	21:36:53.24	57:38:05.6 ^F	83	3083				13.9 ^j			12.343 (23)	12.133 (31)	12.022 (23) ^F				-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 ^F	84	3084				13.4 ^j			11.044 (23)	10.440 (29)	10.322 (22) ^F				-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 ^F	85	3085				13.9 ^j			10.935 (23)	10.241 (26)	10.063 (22) ^F				-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 ^F	86	438		13.32 ^l	12.89 ^h	12.26 ^h			10.963 (24)	10.763 (28)	10.684 (22) ^F	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 ^F	87	3087				13.6 ^j			12.158 (23)	11.964 (31)	11.802 (22) ^F				-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 ^F	88	3088				13.7 ^j			12.177 (28)	12.023 (29)	11.889 (26) ^F				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 ^F	89	3089			15.81 ^h	14.66 ^h			12.794 (26)	12.417 (36)	12.354 (23) ^F	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 ^F	90	443				10.4 ^j			8.318 (18)	7.818 (36)	7.664 (17) ^F				-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 ^F	91	3091				14.7 ^j			12.565 (24)	12.104 (28)	12.043 (23) ^F				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 ^F	92	3092				14.9 ^j			12.610 (24)	12.062 (31)	11.906 (23) ^F				-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 ^F	93	3093				14.1 ^j			11.885 (23)	11.373 (28)	11.274 (22) ^F				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 ^F	94	3094				14.9 ^j			12.222 (24)	11.413 (28)	11.203 (23) ^F				-8 (4.1)	-2.4 (4.1)	-7.9 (7.8)	-11.2 (7.9)			
83	21:36:27.18	57:43:42.1 ^F	95	3095		14.11 ^l	14.22 ^h	13.5 ^h			11.782 (23)	11.576 (29)	11.463 (23) ^F	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 ^F	96	3096				14.8 ^j			12.597 (24)	12.238 (29)	12.125 (26) ^F				-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 ^F	97	3097				12.7 ^j			9.848 (23)	9.248 (28)	9.046 (22) ^F				-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 ^F	99	3099				15.3 ^j			12.697 (24)	11.908 (29)	11.691 (23) ^F				-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 ^F	100	3100				13.4 ^j			11.912 (23)	11.439 (28)	11.389 (22) ^F				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 ^F	101	444				10.9 ^j			9.780 (23)	9.400 (28)	9.330 (20) ^F	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 ^F	102	3102				14.8 ^j			12.816 (26)	12.464 (31)	12.374 (28) ^F				-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 ^F	103	3103				14.1 ^j			11.681 (24)	11.057 (28)	10.932 (23) ^F				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 ^F	104	3104				14.4 ^j			12.394 (26)	12.078 (30)	11.985 (24) ^F				-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 ^F	105	3105				14.9 ^j			12.500 (27)	12.014 (30)	11.897 (25) ^F				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 ^F	106	162				10.2 ^j			9.160 (22)	8.804 (27)	8.771 (20) ^F	F8 ^q			19.1 (2)	6.1 (2)			-3.02	0.36	
95	21:37:11.65	57:12:56.3 ^F	108	3108		14.42 ^l	13.1 ^h	13.03 ^h			11.906 (22)	11.636 (28)	11.532 (23) ^F	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 ^F	110	3110				13.9 ^j			10.584 (22)	9.767 (27)	9.582 (20) ^F				-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 ^F	111	3111				14.3 ^j			8.875 (27)	7.732 (31)	7.343 (26) ^F				-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 ^F	112	3112				14.9 ^j			13.101 (22)	12.791 (30)	12.680 (26) ^F				-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	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
																PPMXL		UCAC3		MVA		[j]	
99	21:37:23.13	57:13:23.3 ^F	113	3113		14.3 ^j					12.304 (22)	11.731 (26)	11.631 (24) ^F								3.68	1.31	
100	21:37:28.51	57:13:49.9 ^F	114	3114		12.5 ^j					9.449 (21)	8.549 (26)	8.364 (20) ^F			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 ^F	115	3115		14.8 ^j					10.783 (32)	9.397 (116)	8.902 (86) ^F			0.2 (5.7)	-3 (5.7)						
102	21:37:38.20	57:13:54.6 ^F	116	3116		14.5 ^j					9.301 (27)	8.128 (29)	7.735 (29) ^F			128.9 (18.7)	-1.6 (18.7)				-0.29	0.13	
103	21:37:12.17	57:15:08.7 ^F	117	3117		14.7 ^j					12.735 (26)	12.363 (28)	12.326 (25) ^F			-3.3 (4.1)	-1.1 (4.1)	-4.7 (6.8)	-7.2 (6.8)	0.11	0.2		
104	21:37:20.16	57:14:36.8 ^F	118	3118		14.2 ^j					11.042 (22)	10.406 (26)	10.221 (21) ^F			-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 ^F	119	3119		14.9 ^j					13.038 (26)	12.726 (32)	12.619 (31) ^F			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 ^F	120	3120		14.4 ^j					11.265 (22)	10.547 (27)	10.329 (20) ^F			-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 ^F	122	3122		14.4 ^j					12.559 (24)	12.104 (27)	12.065 (25) ^F			-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 ^F	123	3123		14.8 ^j					12.511 (27)	12.026 (31)	11.902 (28) ^F			-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 ^F	124	3124		13.8 ^j					12.178 (29)	11.781 (33)	11.655 (21) ^F			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 ^F	125	3125		14.5 ^j					10.643 (22)	9.754 (27)	9.529 (20) ^F			-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 ^F	126	3126		15 ^j					11.117 (22)	10.134 (27)	9.908 (20) ^F			-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 ^F	127	3127		14.9 ^j					12.793 (27)	12.301 (33)	12.198 (23) ^F			-7 (4)	0.3 (4)	-9.5 (6.8)	-0.3 (6.8)				
113	21:37:52.81	57:17:14.6 ^F	129	3129		14.7 ^j					12.741 (27)	12.277 (32)	12.143 (21) ^F			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 ^F	132	3132		13.8 ^j					10.969 (22)	10.276 (26)	10.110 (20) ^F			-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 ^F	133	3133		12.4 ^j					11.191 (24)	10.898 (28)	10.794 (23) ^F			-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 ^F	134	3134		13.3 ^j					11.903 (24)	11.630 (27)	11.523 (24) ^F			-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 ^F	136	3136		14.8 ^j					13.074 (26)	12.811 (28)	12.655 (30) ^F			-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 ^F	137	3137		14.8 ^j					11.119 (22)	10.188 (27)	9.968 (18) ^F			-2 (5.1)	2.2 (5.1)	0.6 (6.8)	10.6 (6.8)				
121	21:37:24.84	57:21:12.0 ^F	138	3138		15 ^j					12.387 (24)	11.705 (28)	11.553 (24) ^F			-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 ^F	139	3139		14.7 ^j					12.742 (22)	12.376 (32)	12.310 (26) ^F			-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 ^F	140	3140		14.8 ^j					12.947 (22)	12.639 (28)	12.498 (26) ^F			-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 ^F	141	3141		14.8 ^j					12.204 (24)	11.594 (27)	11.476 (23) ^F			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 ^F	143	3143		15.1 ^j					13.259 (45)	12.774 (49)	12.645 (47) ^F			-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 ^F	144	451	13.07 ^l	12.81 ^h	12.19 ^h				10.903 (23)	10.692 (30)	10.618 (21) ^F	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 ^F	145	3145		14.9 ^j					12.986 (26)	12.564 (34)	12.501 (29) ^F			-18.5 (4.1)	-4.7 (4.1)	-23.1 (6.8)	3.4 (6.9)				
128	21:37:41.29	57:21:25.9 ^F	146	3146		14.3 ^j					12.416 (24)	12.035 (27)	11.967 (25) ^F			-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 ^F	147	453	11.82 ^l	11.08 ^h	11.04 ^h				10.418 (24)	10.279 (27)	10.248 (21) ^F	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 ^F	148	3148	13.74 ^l	12.68 ^l	11.42 ^l				9.083 (27)	8.520 (38)	8.364 (24) ^F			-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 ^F	149	3149		15.43 ^l	13.9 ^l				10.745 (26)	10.061 (28)	9.880 (20) ^F			-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 ^F	150	3150	14.38 ^l	14.35 ^h	13.65 ^h				12.299 (31)	12.113 (36)	12.063 (27) ^F	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 ^F	151	3151		11.2 ^j					8.980 (27)	8.314 (55)	8.189 (23) ^F			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 ^F	152	3152		11.9 ^j					10.614 (26)	10.254 (31)	10.202 (20) ^F			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 ^F	153	454	12.91 ^l	12.07 ^h	12.03 ^h				11.518 (25)	11.391 (30)	11.399 (24) ^F	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 ^F	154	3154		12.6 ^j					10.009 (26)	9.299 (30)	9.082 (21) ^F			-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 ^F	155	3155		13.9 ^j					10.967 (0)	9.908 (0)	9.611 (0) ^F							0.68	-0.59		
138	21:37:43.25	57:23:03.8 ^F	156	3156		15 ^j					11.609 (25)	10.801 (27)	10.566 (23) ^F			-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 ^F	157	3157		14.7 ^j					10.680 (23)	9.733 (27)	9.468 (21) ^F			-5.1 (5.1)	-3.2 (5.1)	-7.1 (6.8)	6.7 (6.8)	0.18	0.15		
140	21:37:41.88	57:24:29.2 ^F	158	3158		15.1 ^j					13.361 (27)	13.109 (34)	12.969 (36) ^F			-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 ^F	159	3159		14.7 ^j					10.394 (25)	9.376 (31)	9.080 (21) ^F			-26.4 (18.5)	0.7 (18.5)						
142	21:37:10.94	57:24:31.6 ^F	160	3160		15.1 ^j					13.035 (29)	12.648 (37)	12.559 (38) ^F			-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 ^F	161	3161		14.9 ^j					12.895 (26)	12.535 (32)	12.458 (29) ^F			-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 ^F	162	3162		12.7 ^j					10.655 (25)	10.143 (31)	9.976 (24) ^F			-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 ^F	163	3163		13.3 ^j					12.007 (29)	11.573 (32)	11.579 (29) ^F			-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 ^F	164	449	13.26 ^l	12.97 ^f	12.44 ^e				11.169 (26)	10.983 (30)	10.918 (23) ^F	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 ^F	165	3165		14.4 ^j					11.167 (26)	10.434 (28)	10.234 (25) ^F			-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 ^F	166	447		10.56 ^h	10.24 ^h				9.080 (25)	8.954 (28)	8.884 (20) ^F	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 ^F	167	3167		14.2 ^j					12.481 (26)	12.167 (32)	12.083 (28) ^F			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 ^F	168	3168		14.4 ^j					12.726 (0)	12.553 (38)	12.430 (36) ^F										

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	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 ^F	170	3170				12.9 ^j			9.095 (23)	8.167 (33)	7.841 (20) ^F				-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 ^F	171	3171				14.8 ^j			12.553 (25)	12.182 (30)	12.035 (26) ^F				-11.1 (3.9)	-7 (3.9)	-9.1 (6.8)	5 (6.8)			
154	21:37:52.32	57:26:53.2 ^F	172	3172				12.9 ^j			14.143 (74)	13.678 (83)	13.606 (58) ^F						-57.1 (7.3)	-3.3 (7.2)	-0.03	-0.09	
155	21:37:51.76	57:26:52.6 ^F	172	3172				12.9 ^j			10.962 (29)	10.422 (35)	10.294 (22) ^F				-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 ^F	173	3173				14.5 ^j			11.326 (29)	10.614 (32)	10.342 (22) ^F				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 ^F	174	3174				14.9 ^j			13.026 (31)	12.489 (33)	12.360 (27) ^F				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 ^F	176	3176				15.2 ^j			12.544 (27)	11.850 (28)	11.671 (26) ^F				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 ^F	177	3177				12.6 ^j			11.274 (23)	10.990 (28)	10.937 (23) ^F				-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	21:37:10.23	57:30:30.2 ^F	180	3180				14.9 ^j			12.506 (27)	12.084 (33)	11.959 (29) ^F				6.9 (3.8)	9.1 (3.8)					
163	21:37:18.41	57:31:20.7 ^F	181	448				11.84 ^e			10.385 (23)	10.119 (27)	10.049 (23) ^F	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 ^F	182	450				11.93 ^e			10.892 (23)	10.786 (27)	10.763 (20) ^F	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 ^F	183	3183				14.8 ^j			13.125 (23)	12.894 (27)	12.791 (30) ^F				-3.5 (3.8)	-2.1 (3.8)	-4 (7.3)	-4.8 (7.3)			
166	21:37:19.75	57:33:10.7 ^F	184	3184				14.9 ^j			10.554 (23)	9.485 (27)	9.210 (21) ^F				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 ^F	185	3185				13.3 ^j			10.306 (23)	9.537 (26)	9.350 (20) ^F				-6.3 (4.9)	-10.5 (4.9)			0.09	-0.85	
168	21:37:08.37	57:33:50.9 ^F	186	446			9.73 ^h	9.42 ^h			8.848 (23)	8.753 (26)	8.735 (21) ^F	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 ^F	189	3189				14.6 ^j			12.305 (27)	11.958 (34)	11.826 (28) ^F				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 ^F	190	3190				14.9 ^j			10.703 (22)	9.648 (26)	9.394 (21) ^F				-5.2 (4.7)	-4 (4.7)	-0.2 (6.9)	7.7 (7)			
172	21:37:25.95	57:34:33.0 ^F	192	3192				15.1 ^j			13.015 (25)	12.541 (28)	12.443 (26) ^F				-5.1 (3.9)	4 (3.9)	1.3 (7.1)	19.6 (7.1)			
173	21:37:24.42	57:35:08.0 ^F	193	3193				13.3 ^j			11.468 (22)	11.079 (27)	11.003 (21) ^F				-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 ^F	194	452			8.18 ^l	8.58 ^f	8.24 ^e		7.697 (19)	7.647 (31)	7.611 (21) ^F	B3 B5 ^e V ^P		1.7 1 ^e	-6.5 (1.9)	-2.8 (2.2)			-0.39	-0.23	
175	21:37:41.85	57:33:38.4 ^F	195	3195				11.9 ^j			9.578 (27)	9.446 (42)	9.459 (21) ^F				3.2 (1.7)	-0.4 (1.7)			-0.27	-0.14	
176	21:37:51.34	57:32:18.7 ^F	196	3196				14.8 ^j			11.463 (26)	10.768 (32)	10.533 (20) ^F				-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 ^F	197	3197				14.1 ^j			12.278 (38)	11.853 (47)	11.737 (35) ^F				-4.7 (5.3)	-8.3 (5.3)			0.58	-0.31	near 178
178	21:37:59.13	57:31:35.5 ^F	198	3198				14.8 ^j			11.597 (0)	10.849 (0)	10.642 (0) ^F										near 177
179	21:37:57.12	57:32:33.7 ^F	199	3199				15.1 ^j			11.397 (31)	10.468 (37)	10.162 (22) ^F				-10.4 (3.9)	-8.5 (3.9)	-18 (7)	-41 (6.9)			
180	21:37:56.68	57:32:50.5 ^F	200	3200				14.5 ^j			11.238 (26)	10.426 (31)	10.202 (20) ^F				-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 ^F	201	3201				15 ^j			11.415 (27)	10.471 (32)	10.184 (22) ^F				-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 ^F	202	3202				14.9 ^j			10.763 (27)	9.789 (30)	9.491 (20) ^F				-2 (4.7)	-5.8 (4.7)	-1.8 (6.3)	-12.6 (6.2)			
183	21:37:47.24	57:34:54.2 ^F	203	3203			15.27 ^l	14.66 ^l	13.55 ^l		11.287 (22)	10.915 (26)	10.783 (21) ^F				-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 ^F	204	3204				13.21 ^f	12.7 ^e		11.395 (22)	11.266 (26)	11.176 (20) ^F	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 ^F	205	3205				15.1 ^j			11.975 (23)	11.280 (26)	11.133 (23) ^F				-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 ^F	206	3206				15.1 ^j			12.988 (26)	12.385 (28)	12.311 (29) ^F				-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 ^F	207	3207				15.2 ^j			13.242 (26)	12.877 (33)	12.733 (34) ^F				-6.8 (3.8)	-12.9 (3.8)	-11 (7.9)	-13.6 (7.7)			
188	21:37:23.33	57:37:33.3 ^F	208	3208				14.8 ^j			11.723 (22)	11.040 (26)	10.861 (20) ^F				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 ^F	209	3209				12.4 ^j			10.571 (22)	10.096 (27)	9.837 (21) ^F				-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 ^F	210	3210				12 ^j			9.820 (23)	9.179 (26)	9.063 (18) ^F				-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 ^F	211	3211				15 ^j			11.518 (22)	10.750 (27)	10.535 (21) ^F				-1.4 (3.8)	-2.2 (3.8)					
192	21:37:47.56	57:37:06.6 ^F	212	3212				14.4 ^j			12.463 (23)	12.052 (30)	11.980 (23) ^F				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 ^F	213	3213				15.2 ^j			13.315 (27)	12.878 (30)	12.741 (22) ^F				-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 ^F	214	3214				15.1 ^j			10.244 (26)	9.201 (29)	8.830 (20) ^F				-1.6 (4.8)	-4.8 (4.8)	3.8 (6.8)	2.4 (7)			
195	21:38:01.59	57:36:52.6 ^F	217	455			11.86 ^l	11.86 ^l	11.12 ^l		9.366 (26)	9.044 (31)	8.938 (20) ^F	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 ^F	218	3218				15.1 ^j			13.344 (27)	12.999 (29)	12.867 (20) ^F				-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 ^F	219	3219				12.7 ^j			10.178 (26)	9.492 (31)	9.316 (20) ^F				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 ^F	220	3220				13.9 ^j			12.270 (27)	11.922 (31)	11.852 (24) ^F				-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 ^F	221	3221				14.23 ^l	12.94 ^l		10.088 (27)	9.438 (29)	9.266 (20) ^F				-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 ^F	222	3222				15.1 ^j			13.217 (27)	12.839 (31)	12.718 (24) ^F				-4.1 (3.8)	0 (3.8)	-3.4 (7.4)	-1.3 (7.4)			
201	21:38:00.06	57:38:07.0 ^F	223	3223				14.7 ^j			12.894 (27)	12.515 (35)	12.417 (18) ^F								-1.34	0.23	
202	21:38:00.96	57:38:06.9 ^F	224	3224				13.92 ^l	13.58 ^f	13.05 ^e	11.856 (27)	11.696 (32)	11.594 (21) ^F	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	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag			mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
203	21:37:57.99	57:38:51.3 ^F	225	5073				14.7 ^j			11.471 (24)	10.774 (30)	10.559 (19) ^F	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 ^F	226	3226				14.4 ^j			12.599 (27)	12.304 (33)	12.154 (24) ^F				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 ^F	227	3227				14.5 ^j			11.740 (26)	11.096 (30)	10.936 (19) ^F				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 ^F	229	3229				14.11 ^l	13.07 ^h		11.762 (23)	11.539 (24)	11.514 (21) ^F	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 ^F	230	3230				14.8 ^j			11.460 (25)	10.702 (26)	10.518 (21) ^F				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 ^F	231	3231				15.1 ^j			11.964 (23)	11.261 (28)	11.069 (23) ^F				6 (3.8)	-13.1 (3.8)	18.8 (7.4)	-19.6 (7.5)			
209	21:37:10.63	57:42:15.5 ^F	232	3232				16.03 ^l	15.4 ^f		11.946 (23)	11.493 (28)	11.370 (21) ^F	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 ^F	233	3233				14.4 ^j			10.805 (22)	9.938 (26)	9.733 (20) ^F				-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 ^F	234	3234				15.83 ^l	15.28 ^f		11.896 (25)	11.424 (31)	11.325 (25) ^F	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 ^F	235	3235				15.1 ^j			12.932 (27)	12.568 (28)	12.431 (29) ^F				1.6 (5.1)	-60.6 (5.1)	-10.2 (7.6)	-22 (7.7)			
213	21:37:07.64	57:43:52.9 ^F	236	3236				15 ^j			12.638 (25)	12.271 (30)	12.089 (25) ^F				-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 ^F	239	3239				14.8 ^j			13.002 (26)	12.697 (31)	12.630 (33) ^F				-1.5 (3.8)	-3 (3.8)	0.5 (7.4)	-12.2 (7.4)			
216	21:37:38.68	57:41:25.2 ^F	241	3241				14.4 ^j			12.490 (23)	12.097 (28)	12.031 (25) ^F				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 ^F	242	3242				14.6 ^j			12.457 (23)	12.019 (27)	11.910 (24) ^F				-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 ^F	243	3243				14.1 ^j			11.079 (26)	10.294 (29)	10.071 (18) ^F				-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 ^F	244	3244				14.3 ^j			12.530 (29)	12.153 (33)	11.995 (24) ^F				-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 ^F	245	3245				14.2 ^j			12.629 (43)	12.387 (46)	12.266 (39) ^F				-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 ^F	246	3246				14.9 ^j			12.856 (31)	12.378 (31)	12.307 (26) ^F				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 ^F	247	3247				14.9 ^j			12.072 (26)	11.390 (30)	11.213 (19) ^F				2.2 (3.9)	4.6 (3.9)	6 (7.3)	-1.6 (7.3)			
223	21:37:46.57	57:42:26.6 ^F	248	3248				14.7 ^j			12.509 (26)	12.073 (30)	11.986 (24) ^F				-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 ^F	249	3249				14.6 ^j			11.292 (23)	10.505 (26)	10.309 (21) ^F				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 ^F	251	3251				14.8 ^j			12.858 (39)	12.519 (44)	12.447 (43) ^F				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 ^F	252	712				11.96 ^e			10.766 (25)	10.653 (26)	10.616 (20) ^F	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 ^F	253	3253				12.7 ^j			10.885 (23)	10.475 (28)	10.386 (23) ^F				-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 ^F	254	3254				13.1 ^j			10.299 (23)	9.566 (27)	9.407 (21) ^F				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 ^F	255	3255				14.8 ^j			12.580 (25)	12.097 (27)	12.004 (23) ^F				-3 (3.8)	-9.5 (3.8)	-9.4 (7.4)	-0.5 (7.4)			
230	21:37:47.16	57:44:14.3 ^F	256	3256				11.2 ^j			4.573 (186)	3.492 (202)	3.048 (242) ^F				-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 ^F	257	3257				14.79 ^l	14.99 ^f		12.872 (35)	12.685 (41)	12.561 (33) ^F	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 ^F	258	3258				14.69 ^l	14.27 ^f		12.240 (29)	11.975 (31)	11.844 (21) ^F	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 ^F	259	3259				13.6 ^e			11.833 (26)	11.448 (31)	11.338 (18) ^F				-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 ^F	260	3260				14.6 ^j			10.418 (26)	9.442 (31)	9.119 (19) ^F				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 ^F	261	3261				14.7 ^j			12.927 (29)	12.545 (36)	12.418 (21) ^F				-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 ^F	263	3263				13.6 ^j			12.117 (26)	11.882 (32)	11.730 (19) ^F				-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 ^F	264	3264				14.8 ^j			12.768 (35)	12.380 (38)	12.196 (35) ^F				-12.2 (4)	0.8 (4)	-11.8 (6.8)	32.7 (6.8)			
238	21:38:31.92	57:13:20.8 ^F	265	3265				14.6 ^j			10.755 (26)	9.830 (29)	9.564 (19) ^F				0.4 (5.1)	-4.6 (5.1)			-0.09	0.02	
239	21:38:05.84	57:14:41.7 ^F	266	3266				14.52 ^l	14.02 ^h		12.455 (26)	12.267 (29)	12.172 (21) ^F	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 ^F	267	3267				14.3 ^j			10.632 (24)	9.797 (31)	9.556 (19) ^F				-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 ^F	268	461				11.35 ^l	10.28 ^l		6.930 (19)	6.401 (51)	6.256 (23) ^F	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 ^F	269	3269				14.8 ^j			13.312 (24)	13.070 (35)	12.918 (32) ^F				-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 ^F	270	3270				14.8 ^j			12.754 (26)	12.405 (32)	12.271 (25) ^F				-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 ^F	272	3272				14.9 ^j			11.721 (26)	10.959 (28)	10.750 (23) ^F				-4.5 (4)	-6.2 (4)	-7.9 (6.8)	-0.8 (6.9)			
245	21:38:44.57	57:14:10.4 ^F	273	464				10.1 ^j			9.236 (23)	9.046 (29)	8.970 (20) ^F	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 ^F	274	3274				11.9 ^j			10.894 (26)	10.508 (30)	10.429 (21) ^F				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 ^F	275	3275				16.27 ^l	15.57 ^h		12.530 (27)	12.178 (29)	12.033 (23) ^F	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 ^F	276	3276				13.82 ^e	13.2	12.61 ^l	11.730 (32)	11.310 (35)	11.178 (29) ^F	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 ^F	276	3276				13.82 ^e	13.2	12.61 ^l	11.730 (32)	11.310 (35)	11.178 (29) ^F	F4 ^e	1.8 ^e						-0.2	-0.01	
250	21:38:25.60	57:15:39.8 ^F	277	3277				12.8 ^j			11.403 (26)	11.129 (31)	11.002 (21) ^F				-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 ^F	278	3278				14.8 ^j			12.945 (29)	12.582 (29)	12.475 (29) ^F				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 ^F	279	3279				14.9 ^j			13.307 (29)	13.028 (29)	12.927 (32) ^F				13 (4)	-3.8 (4)	71.9 (6.8)	4.2 (6.8)			
253	21:38:08.59	57:17:45.0 ^F	280	3280				15 ^j			13.039 (27)	12.721 (30)	12.603 (28) ^F				-7.6 (4)	3.6 (4)	-7.1 (6.8)	10.9 (6.7)			
254	21:38:12.97	57:17:21.0 ^F	281	3281				15 ^j			13.275 (35)												

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
256	21:38:19.73	57:17:23.4 ^F	282	3282		15 ^j		13.115 (29)	12.750 (30)	12.627 (26) ^F					-9.7 (4)	-3 (4)	-10.8 (6.8)	2.6 (6.9)					
257	21:38:21.53	57:18:22.8 ^F	283	3283		15.1 ^j		13.350 (26)	13.028 (29)	12.902 (29) ^F					-8.7 (4)	2.7 (4)	-6.6 (6.9)	6.1 (6.9)					
258	21:38:30.40	57:18:13.2 ^F	284	3284		15 ^j		12.184 (27)	11.514 (31)	11.335 (23) ^F					-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 ^F	285	3285		14.8 ^j		11.558 (26)	10.807 (31)	10.591 (19) ^F					-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 ^F	286	3286		12.6 ^j		10.138 (23)	9.499 (31)	9.294 (23) ^F					-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 ^F	287	3287		13.4 ^j		10.806 (23)	10.179 (28)	10.030 (23) ^F					-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 ^F	290	3290		14.1 ^j		12.479 (26)	12.276 (32)	12.118 (25) ^F					-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 ^F	291	3291		14.7 ^j		12.705 (25)	12.312 (29)	12.178 (26) ^F					-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 ^F	292	3292		14.6 ^j		12.810 (29)	12.457 (31)	12.348 (28) ^F					-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 ^F	293	3293	11.92 ^l	11.97 ^l	11.69 ^l	11.065 (22)	11.033 (29)	11.022 (20) ^F					-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 ^F	294	3294		13.73 ^l	11.72 ^l	7.715 (26)	6.829 (33)	6.502 (21) ^F					-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 ^F	295	3295		12.9 ^j		11.606 (25)	11.296 (29)	11.202 (25) ^F					-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 ^F	296	3296		13.3 ^j		12.082 (25)	11.856 (29)	11.772 (22) ^F					-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 ^F	297	3297		12.2 ^j		11.090 (23)	10.872 (28)	10.814 (22) ^F					-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 ^F	298	3298		12.8 ^j		11.335 (24)	10.964 (31)	10.849 (19) ^F					-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 ^F	299	3299	15.53 ^l	14.38 ^l	12.93 ^l	10.115 (26)	9.378 (31)	9.205 (21) ^F					-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 ^F	300	3300		13.6 ^j		12.201 (0)	12.097 (0)	12.133 (35) ^F					-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 ^F	301	3301		12.2 ^j		10.089 (26)	9.473 (30)	9.339 (19) ^F					-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 ^F	302	3302		16.45 ^l	14.84 ⁱ	11.739 (23)	11.101 (28)	10.900 (22) ^F					-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 ^F	303	3303		15 ^j		15.746 (85)	15.116 (119)	15.035 (144) ^F							-26.5 (6.8)	41.7 (6.8)			2x[r] (faint)		
276	21:39:15.11	57:15:06.1 ^F	303	3303		15 ^j		13.331 (32)	12.991 (41)	12.899 (34) ^F					-9 (4)	7.3 (4)	-26.5 (6.8)	41.7 (6.8)			2x[r]		
277	21:39:12.95	57:14:14.2 ^F	304	3304		15 ^j		10.370 (23)	9.235 (28)	8.854 (20) ^F					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 ^F	307	3307		15 ^j		13.109 (24)	12.598 (31)	12.457 (23) ^F					-21.4 (4)	2.6 (4)	-22 (6.9)	7.2 (7.1)					
279	21:38:13.90	57:21:16.0 ^F	308	3308		15.1 ^j		11.891 (26)	11.123 (31)	10.818 (18) ^F					-5 (4)	2.5 (4)	26.1 (6.7)	22.9 (6.7)					
280	21:38:19.46	57:21:11.8 ^F	309	3309		15 ^j		12.201 (26)	11.261 (31)	10.947 (23) ^F					-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 ^F	310	3310		14.7 ^j		12.082 (25)	11.487 (28)	11.364 (23) ^F					-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 ^F	311	3311		14.4 ^j		12.645 (32)	12.327 (40)	12.214 (32) ^F					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 ^F	312	3312		15.04 ^h	14.05 ^h	12.445 (24)	11.989 (31)	11.891 (26) ^F				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. no star	
284	21:39:57.96	57:13:33.5 ^j	313	3313		14.4 ^j																	
285	21:39:56.97	57:12:42.2 ^F	314	3314		12.6 ^j		10.180 (24)	9.476 (30)	9.295 (22) ^F					-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 ^F	315	3315		14.6 ^j		12.916 (28)	12.703 (36)	12.576 (32) ^F					-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 ^F	316	3316		12.1 ^j		9.788 (23)	9.116 (30)	8.975 (20) ^F					-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 ^F	317	3317		9.6 ^j		6.391 (41)	5.640 (26)	5.368 (18) ^F					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 ^F	318	483		11.2 ^j		10.415 (23)	10.216 (30)	10.122 (20) ^F				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 ^F	319	478		11.1 ^j		10.457 (24)	10.284 (28)	10.231 (22) ^F				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 ^F	320	3320		14.42 ^h	13.51 ^h	11.721 (29)	11.443 (38)	11.324 (28) ^F				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 ^F	321	3321		14.99 ^h	14.27 ^h	12.715 (24)	12.476 (36)	12.350 (29) ^F				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 ^F	323	3323		14.8 ^j		12.563 (24)	12.094 (35)	11.943 (26) ^F					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 ^F	325	3325		14.8 ^j		13.051 (24)	12.694 (27)	12.631 (32) ^F					-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 ^F	326	3326		16.75 ^l	14.38 ⁱ	9.454 (24)	8.440 (32)	7.993 (21) ^F					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 ^F	328	3328 ^q		17.43 ^l	14.67 ^l	11.383 (24)	10.659 (32)	10.417 (23) ^F				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 ^F	329	3329		14 ^j		11.447 (24)	10.986 (33)	10.844 (19) ^F					-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 ^F	330	3330		13.3 ^j		10.606 (24)	10.014 (30)	9.810 (22) ^F					-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 ^F	335	3335	15.13 ^l	13.97 ^l	12.53 ^l	9.695 (24)	9.086 (32)	8.896 (19) ^F					-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 ^F	336	3336		13.9 ^j		11.438 (36)	11.077 (0)	10.571 (0) ^F					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 ^F	337	3337		14.96 ^l	12.85 ^l	7.197 (26)	6.149 (51)	5.735 (16) ^F					-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 ^F	338	3338		12.5 ^j		10.697 (26)	10.323 (32)	10.183 (23) ^F					-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 ^F	339	3339		11 ^j		6.417 (18)	5.430 (20)	5.061 (23) ^F					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 ^F	340	3340		14.9 ^j		11.251 (24)	10.309 (28)	10.068 (22) ^F					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 ^F	341	3341		13.8 ^j		12.142 (24)	11.707 (28)	11.574 (23) ^F					-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 ^F	342	3342		14.8 ^j		12.807 (0)	12.559 (0)	12.447 (0) ^F					-9.7 (4.1)	-8.8 (4.1)	-17.1 (6.9)	-33.4 (6.9)	0.05	0.04			

^a also 5091

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
																PPMXL		UCAC3		MVA	[j]		
307	21:39:44.46	57:21:53.8 ^F	343	3343				12.7 ^j				11.708 (23)	11.496 (31)	11.410 (20) ^F		-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 ^F	344	3344				14.6 ^j				12.404 (32)	12.000 (40)	11.838 (26) ^F		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 ^F	345	3345				11.6 ^j				10.374 (24)	10.134 (27)	9.986 (20) ^F		-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 ^F	346	3346				14.8 ^j				13.034 (26)	12.752 (36)	12.634 (34) ^F		-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 ^F	348	3348				13.2 ^j				12.152 (23)	11.927 (30)	11.824 (22) ^F		-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 ^F	349	3349				15.1 ^j				13.099 (27)	12.736 (35)	12.583 (24) ^F		-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 ^F	350	3350				15 ^j				11.195 (24)	10.280 (31)	9.963 (23) ^F		-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 ^F	352	3352				15.1 ^j				11.367 (26)	10.449 (32)	10.129 (21) ^F		-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 ^F	353	3353				14.8 ^j				11.374 (0)	10.573 (0)	10.468 (45) ^F						-0.26	-0.16	3x[r]	
316	21:40:26.71	57:19:08.3 ^F	353	3353				14.8 ^j				12.872 (0)	12.514 (0)	11.176 (0) ^F						-0.26	-0.16	3x[r]	
317	21:40:27.08	57:19:08.9 ^F	353	3353				14.8 ^j				11.585 (0)	10.830 (0)	12.152 (0) ^F		24.3 (4.1)	28.5 (4.1)			-0.26	-0.16	3x[r]	
318	21:40:33.55	57:19:40.0 ^F	354	3354				13.2 ^j				11.719 (27)	11.387 (36)	11.260 (28) ^F		-5.8 (15)	-11.8 (15)			0.94	-1.41		
319	21:40:32.62	57:19:42.3 ^F	355	3355				15 ^j				13.064 (39)	12.641 (40)	12.524 (33) ^F						0.66	-0.48		
320	21:40:36.17	57:19:51.8 ^F	356	3356				14.9 ^j				11.383 (24)	10.639 (32)	10.329 (19) ^F		-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 ^F	357	3357				14.8 ^j				12.797 (0)	12.541 (0)	12.283 (43) ^F		-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 ^F	358	3358				15.1 ^j				11.676 (24)	10.916 (35)	10.658 (21) ^F		-8.2 (4.1)	-6.2 (4.1)	-10.3 (6.9)	7 (6.8)				
323	21:40:47.44	57:20:00.5 ^F	359	3359				13.8 ^j				10.055 (24)	9.159 (33)	8.863 (19) ^F		-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 ^F	360	3360				13 ^j				10.682 (26)	10.079 (33)	9.870 (21) ^F		-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 ^F	361	3361				13.8 ^j				12.141 (27)	11.705 (32)	11.621 (21) ^F		-13.3 (12.7)	0.7 (12.7)	-34.9 (6.7)	26.4 (6.7)	-0.01	0.62		
326	21:40:59.52	57:19:41.9 ^F	362	3362				13.8 ^j				12.582 (27)	12.447 (31)	12.315 (30) ^F		-12.5 (10.9)	2.3 (10.9)	11 (5.9)	-1.2 (5.8)	-0.14	0.11		
327	21:41:19.77	57:16:34.4 ^F	363	3363				12.6 ^j				11.600 (24)	11.444 (32)	11.356 (24) ^F		-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 ^F	364	3364				14 ^j				12.285 (26)	11.975 (33)	11.862 (23) ^F		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 ^F	365	3365				12.9 ^j				13.100 (34)	12.724 (37)	12.588 (30) ^F		-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 ^F	366	3366				12.6 ^j				11.498 (27)	11.323 (32)	11.191 (24) ^F		-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 ^F	367	3367	13.86 ^l	13.04 ^h	12.07 ^h					11.347 (26)	11.109 (32)	11.015 (21) ^F	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 ^F	368	3368				14.3 ^j				9.474 (24)	8.387 (29)	7.990 (21) ^F		-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 ^F	369	3369	12.72 ^l	12.34 ^l	11.8 ^l					10.648 (23)	10.480 (30)	10.419 (23) ^F		-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 ^F	370	3370				14.7 ^j				11.537 (23)	10.839 (32)	10.610 (22) ^F		-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 ^F	371	3371	14.50 ^l	14 ^h	13.32 ^h					11.933 (24)	11.753 (32)	11.626 (28) ^F	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 ^F	372	3372				14.6 ^j				12.661 (26)	12.274 (30)	12.172 (26) ^F		-4.7 (4.1)	-0.4 (4.1)	-4.7 (6.8)	9.9 (6.8)	0.34	0.15		
337	21:39:54.82	57:24:23.7 ^F	373	3373				14.4 ^j				9.642 (24)	8.535 (31)	8.149 (18) ^F		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 ^F	374	3374	14.93 ^l	13.65 ^l	12.17 ^l					9.363 (23)	8.736 (31)	8.528 (20) ^F		-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 ^F	375	3375				12.5 ^j				11.529 (23)	11.330 (31)	11.226 (22) ^F		-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 ^F	376	3376				15 ^j				13.001 (0)	12.361 (0)	12.694 (0) ^F		-10.1 (4.1)	-15 (4.1)					near 340	
341	21:40:16.69	57:22:29.8 ^F	377	3377				15.1 ^j				15.138 (61)	14.441 (73)	14.185 (78) ^F		-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 ^F	379	3379				13.1 ^j				8.671 (37)	7.580 (36)	7.238 (33) ^F		-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 ^F	380	3380				15.1 ^j				13.071 (27)	12.755 (27)	12.535 (28) ^F		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 ^F	381	3381				14.9 ^j				13.002 (29)	12.551 (31)	12.461 (26) ^F		-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 ^F	383	3383				14.2 ^j				12.381 (27)	12.011 (32)	11.898 (29) ^F		-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 ^F	384	3384				14.8 ^j				13.087 (31)	12.761 (35)	12.667 (28) ^F		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 ^F	385	3385				14.2 ^j				11.099 (27)	10.309 (30)	10.127 (21) ^F		-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 ^j	386	3386				15.2 ^j														no star	
349	21:40:50.88	57:20:32.8 ^F	389	3389				14.9 ^j				12.947 (29)	12.515 (38)	12.414 (32) ^F		-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 ^F	390	3390				14.3 ^j				12.605 (29)	12.269 (33)	12.173 (24) ^F		-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 ^F	391	3391				14.5 ^j				10.759 (26)	9.870 (28)	9.658 (24) ^F		-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 ^F	392	3392				15 ^j				12.626 (32)	12.164 (0)	12.042 (0) ^F		6.6 (4)	2.3 (4)	14.9 (6.8)	19.3 (6.8)				
353	21:39:35.48	57:25:33.7 ^F	393	3393				14.8 ^j				13.074 (24)	12.798 (32)	12.652 (28) ^F		-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 ^F	394	3394				14.8 ^j				12.767 (24)	12.281 (32)	12.171 (26) ^F		-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 ^F	395	3395				15.1 ^j				11.756 (23)	10.930 (31)	10.718 (22) ^F		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 ^F	397	3397				14.2 ^j				14.345 (38)	13.698 (43)	13.548 (48) ^F		-7.7 (4.1)	10.4 (4.1)					no/faint star	
358	21:39:46.21	57:26:10.3 ^F	398	3398 ^a	14.22 ^k	14.31 ^f	13.68 ^e					12.291 (21)	12.130 (31)	11.998 (25) ^F	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	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
359	21:39:47.99	57:25:49.5 ^F	399	3399				14.8 ^j				11.460 (24)	10.709 (27)	10.462 (22) ^F		-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 ^F	400	3400				14.7 ^j				12.955 (26)	12.560 (29)	12.445 (21) ^F		-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 ^F	402	3402				12.3 ^j				11.154 (29)	10.771 (32)	10.677 (24) ^F		-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 ^F	403	3403				14.8 ^j				12.948 (27)	12.563 (31)	12.446 (27) ^F		-15 (4)	-5.8 (4)	-10.4 (6.8)	6.3 (6.8)				
363	21:38:07.68	57:23:24.4 ^F	404	3404				14.4 ^j				12.301 (26)	11.777 (31)	11.673 (18) ^F		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 ^F	405	3405				14.1 ^j				12.494 (26)	12.140 (30)	12.101 (24) ^F		-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 ^F	406	3406				14.5 ^j				11.284 (26)	10.609 (32)	10.353 (20) ^F		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 ^F	407	3407				14.7 ^j				11.336 (36)	10.553 (35)	10.343 (28) ^F		-73.9 (17.4)	-81.5 (17.4)			0.2	-0.17		
367	21:38:20.25	57:22:39.2 ^F	408	3408				14.2 ^j				12.653 (26)	12.358 (32)	12.247 (22) ^F		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 ^F	409	3409				14.8 ^j				11.690 (26)	10.997 (30)	10.749 (18) ^F		-1.9 (4)	-2.6 (4)	18 (6.8)	-19.5 (6.8)				
369	21:38:25.30	57:23:12.5 ^F	410	3410				14.3 ^e				12.469 (27)	12.086 (30)	11.975 (22) ^F	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 ^F	411	3411				13.8 ^j				10.830 (27)	10.042 (32)	9.846 (20) ^F		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 ^F	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) ^F	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 ^F	413	3413				11.8 ^j				10.615 (31)	10.278 (31)	10.206 (24) ^F		-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 ^F	414	3414				13.3 ^j				11.829 (25)	11.550 (32)	11.443 (24) ^F		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 ^F	415	3415				13.4 ^j				12.162 (25)	11.962 (29)	11.839 (23) ^F		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 ^F	416	3416				15 ^j				13.570 (39)	13.349 (50)	13.247 (44) ^F		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 ^F	417	3417				14.8 ^j				13.152 (29)	12.826 (32)	12.795 (33) ^F		-5.9 (4)	1.2 (4)	-21 (6.7)	-7.9 (6.6)				
377	21:38:47.86	57:23:47.0 ^F	418	3418				13.6 ^j				12.030 (25)	11.645 (29)	11.540 (23) ^F		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 ^F	419	3419				14.5 ^j				12.951 (25)	12.784 (35)	12.692 (29) ^F		-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 ^F	420	468		12.02 ^l	11.08 ^h	11.04 ^h				10.480 (25)	10.392 (29)	10.297 (21) ^F	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 ^F	421	3421				13.3 ^j				11.866 (25)	11.539 (28)	11.440 (23) ^F		-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 ^F	422	3422				11.6 ^j				9.053 (23)	8.392 (24)	8.182 (26) ^F		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 ^F	423	475		10.46 ^l	10.14 ^l	9.27 ^l				7.079 (24)	6.749 (36)	6.591 (15) ^F	A2 ^P Ia ^P		-2.4 (1.3)	-3.9 (1.2)	-2.4 (0.6)	-3 (0.7)	0.09	0.17	
383	21:38:03.29	57:27:04.4 ^F	425	3425				15.1 ^j				11.979 (26)	11.200 (31)	10.974 (18) ^F		-4.8 (4)	0.3 (4)	-5.3 (6.8)	4.9 (6.8)				
384	21:38:08.45	57:26:47.7 ^F	426	457		12.11 ^l	11.93 ^f	11.59 ^e				10.510 (26)	9.724 (30)	8.767 (20) ^F	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 ^F	427	3427				14.8 ^j				13.077 (27)	12.638 (35)	12.564 (27) ^F		-11.2 (4)	-1.9 (4)	-18.8 (7.3)	-2.6 (7.3)				
386	21:38:51.55	57:26:30.4 ^F	428	3428				14.9 ^j				13.472 (32)	13.220 (39)	13.107 (40) ^F		7.3 (4)	1.1 (4)	26.2 (6.9)	10.7 (6.9)				
387	21:39:09.69	57:24:55.7 ^F	430	3430		12.30 ^l	12.6 ^h	12.12 ^h				10.910 (23)	10.784 (28)	10.710 (21) ^F	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 ^F	431	3431		15.16 ^l	14.41 ^l	13.21 ^l				10.795 (22)	10.265 (29)	10.127 (23) ^F		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 ^F	432	3432 ^a		15.37 ^l	14.75 ^f	13.9 ^e				11.984 (23)	11.717 (31)	11.582 (23) ^F	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 ^F	433	3433 ^b		16.35 ^l	15.59 ^f	14.47 ^e				12.152 (23)	11.681 (31)	11.558 (25) ^F	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 ^F	434	3434				14.3 ^j				12.981 (39)	12.844 (49)	12.799 (40) ^F		-37 (4)	37.1 (4)			-0.14	-0.25		
392	21:39:28.22	57:24:13.5 ^F	435	3435				13.5 ^j				11.890 (23)	11.578 (29)	11.486 (23) ^F		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 ^F	436	3436		15.25 ^l	14.08 ^h	14.01 ^h				12.620 (23)	12.433 (31)	12.270 (26) ^F	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 ^F	437	471		12.07 ^l	12.08 ^f	11.59 ^e				10.423 (23)	10.195 (28)	10.104 (21) ^F	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 ^F	438	459				10.7 ^j				8.170 (43)	7.447 (51)	7.268 (20) ^F	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 ^F	439	3439				14.8 ^j				13.175 (27)	12.914 (33)	12.764 (30) ^F		-3.7 (4)	-5.5 (4)	-1.3 (6.8)	-10.8 (6.8)				
397	21:38:03.42	57:28:30.7 ^F	440	3440				14.5 ^j				12.443 (27)	11.959 (32)	11.867 (22) ^F		34.9 (4)	27.4 (4)	34.4 (6.8)	35.2 (6.8)				
398	21:38:01.91	57:29:00.2 ^F	441	3441				14.3 ^j				12.347 (29)	11.941 (31)	11.871 (25) ^F		-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 ^F	442	3442				14.8 ^j				12.737 (27)	12.290 (30)	12.157 (25) ^F		-3.2 (3.8)	-3 (3.8)	-2.9 (6.8)	12.7 (6.8)				
400	21:38:10.42	57:29:04.5 ^F	443	3443				14.8 ^j				11.799 (24)	11.116 (29)	10.957 (20) ^F		-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 ^F	444	3444				14.8 ^j				13.412 (26)	13.149 (35)	13.037 (31) ^F		-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 ^F	445	3445				13.1 ^j				11.467 (29)	11.005 (33)	10.909 (22) ^F		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 ^F	446	3446				11.9 ^j				10.723 (26)	10.450 (29)	10.354 (20) ^F		-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 ^F	447	3447		12.94 ^l	12.44 ^f	11.75 ^e				10.310 (27)	10.005 (30)	9.949 (20) ^F	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 ^F	448	3448				14.6 ^j				12.789 (30)	12.519 (41)	12.389 (45) ^F		5.1 (4)	-5.1 (4)	38.7 (6.7)	-3.1 (7.7)	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 ^F	450	3450				13.7 ^j				6.683 (23)	5.589 (29)	5.076 (17) ^F		-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 ^F	451	3451				11.6 ^j				10.627 (25)	10.506 (31)	10.417 (23) ^F		-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	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
409	21:39:04.77	57:28:17.2 ^F	452	3452				14.7 ^J			11.700 (0)	11.341 (61)	11.164 (43) ^F			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 ^F	453	3453				15 ^J			13.050 (31)	12.656 (41)	12.509 (35) ^F			-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 ^I	12.85 ^H	12.34 ^H						A0 ^H	1.59 ^H							[b] No. 24 near
412	21:39:22.25	57:27:45.6 ^F	455	473		11.08 ^I	10.87 ^H	10.51 ^H						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 ^F	456	3456				14.9 ^J			9.779 (23)	9.610 (29)	9.592 (20) ^F			-5.1 (3.9)	2 (3.9)	-0.8 (7.2)	1.3 (7.3)			
414	21:38:10.41	57:30:19.1 ^F	457	3457				14.3 ^J			12.945 (26)	12.498 (31)	12.396 (22) ^F			-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			12.359 (27)	11.918 (32)	11.831 (20) ^F			-4.1 (8.5)	-14.8 (8.5)					no star
416	21:38:19.48	57:30:10.6 ^F	459	3459				14.5 ^J								-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 ^F	460	466		5.17 ^I	5.89 ^J	9.12 ^E	8.66	8.42 ^E	5.207 (0)	5.254 (42)	5.215 (17) ^F	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 ^F	462	3462		7.51 ^I	8.2 ^I	8.01 ^I			7.651 (24)	7.669 (33)	7.704 (21) ^F			-1.4 (1.9)	-1.6 (1.9)			-0.01	-0.02	
419	21:39:11.99	57:29:57.2 ^F	463	470		12.76 ^I	12.42 ^F	11.92 ^E			10.750 (25)	10.642 (26)	10.548 (21) ^F	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 ^F	464	477		8.18 ^I	8.71 ^I	9.1 ^E	8.75	8.64 ^E	7.506 (21)	7.452 (33)	7.422 (20) ^F	B0 ^P V ^P		-3.4 (1.2)	-1 (1.2)			-0.04	0.03	
421	21:39:27.06	57:28:40.0 ^F	465	3465				11.1 ^J			9.667 (23)	9.277 (26)	8.702 (21) ^F			-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 ^F	466	3466				12.9 ^J			9.868 (23)	9.111 (28)	8.924 (21) ^F			-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 ^F	467	3467		15.69 ^I	15.46 ^I	14.26 ^I			11.504 (23)	10.917 (28)	10.715 (20) ^F			-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	57:31:22.8 ^F	468	456		10.88 ^I	10.91 ^F	10.6 ^E			9.868 (27)	9.738 (32)	9.712 (18) ^F	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	57:31:26.0 ^F	469	3469 ^G	13-277	16.99 ^F	16.4 ^F	13.92 ^E	12.96	12.15 ^E	10.279 (26)	9.329 (30)	8.593 (20) ^F	G1 ^E	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 ^F	470	3470				14.8 ^J			12.626 (29)	12.057 (35)	11.969 (28) ^F			-31 (5.4)	1.3 (5.4)	-37.6 (7.3)	11.9 (7)			
427	21:38:11.10	57:32:50.9 ^F	471	458				11.5 ^J			10.548 (27)	10.268 (32)	10.201 (18) ^F			-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 ^F	472	3472		14.64 ^I	14.36 ^F	13.69 ^E			12.188 (31)	11.960 (38)	11.839 (28) ^F	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 ^F	473	3473				14.2 ^J			9.999 (26)	8.997 (32)	8.692 (22) ^F			-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 ^F	474	3474				12.5 ^J			11.595 (26)	11.433 (33)	11.341 (22) ^F			-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 ^F	475	3475				15.2 ^J			13.750 (35)	13.417 (35)	13.219 (35) ^F			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 ^F	476	3476				15.2 ^J			12.352 (29)	11.636 (32)	11.444 (22) ^F			-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 ^F	477	3477				14.9 ^J			12.793 (25)	12.366 (31)	12.201 (25) ^F			-3.1 (3.8)	-6.2 (3.8)	-7.6 (6.9)	-0.7 (7)			
434	21:38:48.24	57:32:13.3 ^F	478	3478				14.7 ^J			11.274 (25)	10.495 (28)	10.266 (20) ^F			-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 ^F	479	3479				11.7 ^J			10.650 (23)	10.424 (26)	10.358 (18) ^F			-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 ^F	480	3480		14.51 ^I	14.01 ^H	13.05 ^H			12.016 (23)	11.783 (31)	11.710 (23) ^F	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 ^F	482	3482				14.9 ^J			11.952 (27)	11.197 (29)	10.981 (23) ^F			-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 ^F	483	3483				13 ^J			10.804 (26)	10.174 (29)	10.061 (22) ^F			-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 ^F	485	3485				15.2 ^J			12.014 (26)	11.199 (29)	11.006 (20) ^F			-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 ^F	486	3486			15.46 ^I	13.83 ^I			10.651 (26)	9.899 (29)	9.688 (20) ^F			-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 ^F	488	3488				14 ^J			12.271 (27)	11.956 (40)	11.832 (26) ^F			-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 ^F	489	3489				14.8 ^J			11.730 (23)	11.057 (28)	10.840 (23) ^F			33.2 (5)	-17.8 (5)	39.4 (4.9)	-7.5 (5.3)			
443	21:38:49.81	57:33:05.1 ^F	490	3490				14.3 ^J			12.410 (25)	12.137 (33)	11.986 (24) ^F			-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 ^F	492	3492				15 ^J			12.990 (23)	12.583 (29)	12.510 (24) ^F			-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 ^F	493	3493				13.9 ^J			11.617 (23)	11.075 (28)	10.918 (18) ^F			-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 ^F	494	3494				15.1 ^J			11.818 (23)	11.114 (26)	10.893 (21) ^F			-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 ^F	495	3495				15 ^J			13.065 (29)	12.699 (36)	12.583 (30) ^F			-12.4 (3.9)	0.4 (3.9)	-18.9 (6.9)	15.8 (7)			
448	21:39:22.32	57:31:48.9 ^F	497	3497		13.55 ^I	13.26 ^F	12.76 ^E			11.577 (25)	11.372 (33)	11.269 (24) ^F	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 ^F	498	3498		15.59 ^I	14.78 ^I	13.58 ^I			11.084 (23)	10.500 (29)	10.363 (21) ^F			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 ^F	499	3499				14.6 ^J			12.563 (29)	12.153 (37)	12.061 (29) ^F			-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 ^F	500	3500				15 ^J			11.490 (23)	10.667 (27)	10.404 (22) ^F			-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 ^F	502	3502				15.1 ^J			10.999 (26)	9.923 (31)	9.624 (22) ^F			-3.2 (4.9)	-1.6 (4.9)	-6 (7.5)	-10.4 (8.2)			
453	21:38:39.41	57:35:02.4 ^F	504	3504				15 ^J			13.030 (32)	12.504 (35)	12.408 (22) ^F			-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 ^F	507	3507				13 ^J			11.927 (22)	11.764 (29)	11.665 (23) ^F			-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 ^F	508	5086			16.28 ^F	15.34 ^E			12.909 (27)	12.539 (32)	12.457 (30) ^F	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 ^F	509	3509				15.2 ^J			13.113 (26)	12.747 (31)	12.588 (29) ^F			-3.5 (3.8)	0.8 (3.8)	24.2 (7)	35.5 (7)			
457	21:39:24.37	57:34:05.3 ^F	511	3511				14.4 ^J			12.465 (27)	12.224 (36)	12.066 (30) ^F			-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 ^F	512	5083			15.34 ^F	14.12 ^E			12.333 (24)	11.900 (28)	11.818 (26) ^F	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 ^F	513	3513				14 ^J			12.228 (22)	11.880 (28)	11.784 (23) ^F			-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	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag			mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	mas/yr	MVA [j]	
460	21:39:24.35	57:35:09.8 ^F	514	3514			14.65 ^l	12.46 ^l			7.976 (24)	6.924 (44)	6.598 (20) ^F				-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 ^F	515	3515				15.1 ^j			13.094 (54)	12.846 (94)	12.640 (79) ^F				0.6 (5)	6.6 (5)	50.6 (5.9)	47.3 (6)				
462	21:39:29.51	57:34:20.4 ^F	516	3516 ^q		15.11 ^l	14.69 ^f	14 ^e			12.439 (21)	12.205 (27)	12.117 (25) ^F	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 ^F	517	3517				14.8 ^j			11.362 (22)	10.641 (28)	10.412 (20) ^F				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 ^F	518	3518				15.1 ^j			13.329 (27)	12.922 (28)	12.742 (26) ^F				-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 ^F	521	3521				12.2 ^j			9.839 (24)	9.195 (29)	9.018 (22) ^F				-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 ^F	523	3523		14.09 ^l	13.63 ^f	12.73 ^e			10.893 (24)	10.520 (28)	10.445 (22) ^F	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 ^F	525	3525				14.8 ^j			13.185 (26)	12.854 (31)	12.811 (26) ^F				-6.7 (3.8)	3.7 (3.8)	1.8 (7.3)	-10.7 (7.5)			no star	
468	21:39:16.86	57:36:24.5 ^j	526	3526				14.8 ^j																
469	21:39:20.85	57:36:25.5 ^F	527	3527				13.9 ^j			12.128 (22)	11.871 (29)	11.719 (22) ^F				-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 ^F	528	3528 ^b				15 ^j			11.826 (27)	11.056 (29)	10.839 (18) ^F				0.6 (3.8)	0.7 (3.8)	-2.2 (7.4)	-3 (7.4)				
471	21:38:19.70	57:38:46.7 ^F	529	3529				15 ^j			13.098 (27)	12.687 (32)	12.586 (24) ^F				-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 ^F	530	3530				15.1 ^j			13.025 (44)	12.602 (44)	12.406 (37) ^F				-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 ^F	532	3532				13.4 ^j			10.681 (26)	9.934 (30)	9.766 (19) ^F				-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 ^F	534	3534				14 ^j			12.203 (24)	11.823 (28)	11.708 (20) ^F				-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 ^F	535	467		11.71 ^l	11.4 ^f	10.8 ^e			10.409 (24)	10.249 (24)	10.247 (22) ^F	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 ^F	537	3537		11.71 ^l	11.66 ^l	11.29 ^l			10.383 (22)	9.477 (25)	9.324 (22) ^F	B8 B9 ^q			-4.7 (4.7)	-3.5 (4.7)	-7.9 (7.3)	-5.9 (7.3)	-0.02	0.06		
478	21:39:18.86	57:37:23.5 ^F	538	3538				14.9 ^j			12.843 (22)	12.262 (28)	12.204 (23) ^F				-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 ^F	539	3539				13.6 ^j			12.101 ()	12.289 (47)	12.188 (44) ^F				-70.5 (13.2)	-59.6 (13.2)			-0.11	0.16		
480	21:39:21.05	57:37:29.6 ^F	540	3540				14.9 ^j			11.134 (28)	10.276 (31)	9.992 (22) ^F											
481	21:39:30.03	57:37:37.2 ^F	541	3541				15.1 ^j			13.188 (26)	12.676 (28)	12.577 (26) ^F				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 ^F	542	3542				14.9 ^j			13.154 (29)	12.789 (33)	12.729 (19) ^F				-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 ^F	544	3544				15 ^j			11.264 (24)	10.407 (28)	10.148 (23) ^F				5.7 (3.8)	0.4 (3.8)	11.6 (7.4)	15.8 (7.4)				
484	21:38:17.20	57:40:02.0 ^F	545	460		12.64 ^l	12.17 ^f	11.52 ^e			10.434 (27)	10.215 (32)	10.146 (21) ^F	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 ^F	546	3546				12.5 ^j			10.053 (27)	9.326 (31)	9.165 (23) ^F				-4.2 (6)	-18.7 (6)			0.26	-0.32		
486	21:38:38.53	57:40:38.9 ^F	547	3547				12.5 ^j			10.608 (27)	10.076 (31)	9.920 (19) ^F				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 ^F	548	3548				13.6 ^j			10.796 (21)	10.106 (28)	9.934 (19) ^F				-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 ^F	549	3549				14.1 ^j			15.033 (53)	14.297 (48)	14.184 (79) ^F				36.1 (5.1)	-37.7 (5.1)					no star	
489	21:38:51.32	57:39:51.1 ^F	550	465		13.37 ^l	12.74 ^l	11.72 ⁱ	11.1	10.5 ⁱ	9.488 (22)	8.961 (28)	8.842 (22) ^F	F0 ^q			-5.9 (2.7)	-5.6 (2.7)	-3.9 (1.4)	-5.4 (1.4)	0.12	-0.29		
490	21:38:50.96	57:39:31.9 ^F	551	3551				15 ^j			12.364 (24)	11.712 (28)	11.572 (22) ^F				-13.1 (3.8)	-0.7 (3.8)	-1 (7.4)	-8 (7.4)				
491	21:39:04.09	57:39:54.1 ^F	552	3552				14.5 ^j			12.606 (22)	12.251 (26)	12.157 (26) ^F				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 ^F	553	3553				13.5 ^j			11.820 (22)	11.456 (28)	11.346 (20) ^F				-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 ^F	554	3554				11.4 ^j			8.598 (21)	7.781 (24)	7.569 (20) ^F				-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 ^F	555	474		10.92 ^l	10.13 ^l	9.09 ^l			7.221 (21)	6.759 (31)	6.673 (24) ^F	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 ^F	556	476				11 ^j			10.626 (22)	10.547 (29)	10.563 (25) ^F	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 ^F	557	3557				13.8 ^j			12.105 (27)	11.781 (31)	11.661 (23) ^F				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 ^F	558	462		11.67 ^l	11.2 ^f	10.6 ^e			9.700 (29)	9.547 (32)	9.480 (18) ^F	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 ^F	559	3559				14.6 ^j			12.674 (29)	12.291 (32)	12.177 (24) ^F				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 ^F	560	3560				14.1 ^j			10.948 (27)	10.235 (31)	10.023 (19) ^F				-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 ^F	561	3561				14.6 ^j			12.477 (26)	12.171 (29)	11.987 (22) ^F				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 ^F	562	3562				15.1 ^j			12.981 (59)	12.529 (65)	12.438 (53) ^F				-84.1 (12.6)	-99.7 (12.6)					near 501	
502	21:39:06.23	57:41:43.1 ^F	563	3563				15.1 ^j			13.242 (28)	12.803 (41)	12.746 (40) ^F				27.6 (3.8)	21.8 (3.8)					near 500	
503	21:39:07.88	57:42:08.6 ^F	564	469		12.43 ^l	12.1 ^f	11.58 ^e			10.400 (22)	10.241 (28)	10.154 (20) ^F	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 ^F	565	3565		15.02 ^l	13.88 ^l	12.51 ^l			9.862 (21)	9.197 (25)	9.054 (20) ^F				-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 ^F	566	472		11.65 ^l	11.33 ^f	10.85 ^e			9.837 (21)	9.687 (29)	9.624 (22) ^F	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 ^F	567	3567				13.6 ^j			11.486 (29)	11.200 ()	10.887 (23) ^F				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 ^F	568	3568				14.1 ^j			12.443 (31)	12.159 (32)	12.088 (21) ^F				-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 ^F	569	3569				12.8 ^j			10.096 (27)	9.361 (30)	9.151 (21) ^F				-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 ^F	570	3570				13.8 ^j			12.377 (24)	12.056 (26)	12.021 (22) ^F				-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	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
510	21:38:28.55	57:43:34.3 ^F	571	3571				12.7 ^j			11.978 (34)	11.845 (35)	11.771 (28) ^F			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 ^F	572	3572				14.2 ^j			12.442 (26)	12.005 (33)	11.906 (23) ^F			-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 ^F	573	3573				14.7 ^j			10.902 (22)	10.047 (26)	9.820 (23) ^F			-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 ^F	574	3574				14.2 ^j			12.315 (24)	11.875 (31)	11.786 (25) ^F			-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 ^F	575	3575		15.06 ^l	13.98 ^l	12.6 ^l			10.020 (24)	9.410 (28)	9.247 (23) ^F			-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 ^F	576	724		12.95 ^l	12.77 ^l	12.4 ^l			11.550 (26)	11.344 (28)	11.333 (21) ^F	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 ^F	577	479				12.6 ^j			10.386 (26)	9.729 (28)	9.591 (21) ^F	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 ^F	578	3578				13.7 ^j			12.106 (26)	11.905 (31)	11.714 (21) ^F			-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 ^F	579	3579				12.4 ^j			11.406 (27)	11.072 (30)	11.011 (19) ^F			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 ^F	580	3580				14.3 ^j			13.105 (24)	12.964 (36)	12.822 (29) ^F			-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 ^F	581	3581				14.9 ^j			12.788 (29)	12.340 (33)	12.194 (29) ^F			8 (4.1)	-23.8 (4.1)					
521	21:40:04.33	57:25:22.0 ^F	582	3582				14.1 ^j			12.255 (23)	11.725 (31)	11.640 (22) ^F			-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 ^F	583	484		10.77 ^l	11.04 ^l	10.81 ^l			10.292 (24)	10.235 (31)	10.156 (22) ^F	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 ^F	584	3584				14.2 ^j			12.808 (26)	12.558 (35)	12.495 (26) ^F			-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 ^F	585	3585				13.8 ^j			12.489 (38)	12.155 ()	12.023 (37) ^F			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 ^F	586	3586				14.8 ^j			12.895 (34)	12.399 (38)	12.296 (32) ^F			3.8 (4.1)	20 (4.1)	37 (6.9)	92.4 (7.1)			
526	21:40:22.35	57:25:24.9 ^F	587	3587				14.7 ^j			13.241 (31)	13.005 (38)	12.883 (33) ^F			-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 ^F	588	3588				13.1 ^j			12.163 (27)	11.945 (31)	11.892 (24) ^F			-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 ^F	589	3589				15 ^j			13.195 (31)	12.763 (36)	12.701 (32) ^F			-10.1 (4.1)	-1 (4.1)	-7.6 (6.8)	15.8 (6.8)			
529	21:40:55.34	57:24:17.9 ^F	590	3590				13.7 ^j			8.816 (35)	7.710 (33)	7.348 (36) ^F			-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 ^F	591	3591				11.2 ^j			9.483 (26)	8.934 (28)	8.865 (21) ^F			-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 ^F	592	3592				12.2 ^j			10.921 (23)	10.627 (28)	10.543 (23) ^F			-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 ^F	593	3593				13.7 ^j			12.233 (21)	11.958 (27)	11.861 (25) ^F			-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 ^F	594	3594				13.8 ^j			11.655 (28)	11.158 (35)	10.984 (25) ^F			30.5 (5.5)	26.3 (5.5)			-1	0.63	
534	21:41:25.06	57:24:50.4 ^F	595	3595				13.8 ^j			12.273 (26)	11.987 (35)	11.892 (29) ^F			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 ^F	596	3596				13.1 ^j			10.800 (23)	10.192 (28)	10.008 (22) ^F			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 ^F	597	3597				14.5 ^j			12.850 (26)	12.649 (30)	12.516 (25) ^F			-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 ^F	598	3598		13.20 ^l	13.06 ^h	12.4 ^h			11.080 (23)	10.827 (28)	10.793 (23) ^F	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 ^F	599	3599				14.7 ^j			11.720 (24)	10.968 (31)	10.422 (22) ^F			-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 ^F	600	3600				13.1 ^j			11.652 (24)	11.260 (31)	11.165 (23) ^F			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 ^F	601	3601			15.16 ^f	14.54 ^e			11.937 (26)	11.568 (31)	11.381 (23) ^F	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 ^F	602	3602				15.1 ^j			13.321 (34)	12.895 (38)	12.747 (29) ^F			-4.8 (5.1)	-0.4 (5.1)	-3 (6.9)	14.3 (6.9)			
542	21:40:24.79	57:27:45.3 ^F	604	3604				10.11 ^j			9.857 (27)	9.741 (31)	9.715 (23) ^F			-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 ^F	605	3605				14.8 ^j			11.313 (27)	10.481 (30)	10.254 (21) ^F			-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 ^F	606	3606				12.2 ^j			10.337 (27)	9.728 (31)	9.587 (21) ^F			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 ^F	607	3607				14.8 ^j			16.362 (115)	15.673 ()	15.676 () ^F			-2.5 (4.6)	-14.8 (4.6)					no star
546	21:40:43.51	57:27:53.0 ^F	608	3608				13.7 ^j			12.522 (34)	12.302 (38)	12.248 (37) ^F			-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 ^F	609	3609				14.3 ^j			12.727 (34)	12.448 (37)	12.359 (41) ^F			-12.2 (3.9)	-9.4 (3.9)			-0.5	0.16	
548	21:40:53.23	57:27:11.9 ^F	610	3610				14 ^j			16.545 (152)	15.455 ()	15.346 (213) ^F			-22.4 (6.1)	-13.3 (6.1)					no star
549	21:40:51.31	57:26:19.0 ^F	611	3611				14.8 ^j			13.120 (29)	12.719 (36)	12.666 (35) ^F			-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 ^F	612	3612				13.3 ^j			11.680 (36)	11.368 (37)	11.222 (33) ^F			8.6 (3.9)	33.6 (3.9)			-0.52	0.28	
551	21:41:07.03	57:26:30.9 ^F	613	3613				11.3 ^j			9.549 (26)	9.035 (28)	8.894 (23) ^F			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 ^F	614	3614				14.4 ^j			12.603 (24)	12.270 (27)	12.205 (22) ^F			-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 ^F	615	3615		13.84 ^l	13.5 ^l	12.69 ^l			11.255 (24)	10.947 (30)	10.866 (22) ^F			-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 ^F	616	492				10.8 ^j			9.941 (28)	9.686 (32)	9.611 (23) ^F	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 ^F	617	3617				13.5 ^j			12.022 (26)	11.749 (32)	11.641 (23) ^F							-0.03	-0.42	
556	21:39:41.01	57:29:09.0 ^F	618	3618				14.4 ^j			13.409 ()	14.945 (99)	14.527 (107) ^F					-28 (6.8)	13.6 (6.8)	0.61	-0.56	2x[r]
557	21:39:40.52	57:29:10.7 ^F	618	3618				14.4 ^j			12.543 (29)	12.196 (33)	12.063 (29) ^F			-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 ^F	619	3619				14.4 ^j			12.082 (23)	11.459 (31)	11.342 (23) ^F			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 ^F	620	3620				14.5 ^j			11.094 (26)	10.271 (27)	10.066 (21) ^F			-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 ^F	621	3621				13.4 ^j			12.361 (32)	12.110 (38)	11.992 (30) ^F			-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 ^F	622	3622				14.9 ^j			13.413 (27)	13.072 (33)	13.087 (23) ^F			-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 ^F	623	3623		</																

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments	
		J2000		DA	2004											PPMXL		UCAC3		MVA [j]			
	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		
563	21:41:08.01	57:28:52.9 ^F	624	3624				14.2 ^j			10.101 (24)	9.121 (28)	8.807 (22) ^F			-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 ^F	625	5100			15.56 ^f	14.57 ^e			12.714 (24)	12.417 (32)	12.303 (26) ^F	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 ^F	626	3626				13.7 ^j			11.243 (23)	10.564 (31)	10.399 (22) ^F			-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 ^F	627	3627				13.9 ^j			12.805 (23)	12.673 (31)	12.608 (28) ^F			-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 ^F	628	3628				14.8 ^j			11.607 (24)	10.868 (32)	10.532 (25) ^F			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 ^F	629	3629				15 ^j			13.186 (31)	12.827 (33)	12.732 (33) ^F			-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 ^F	630	480				14.9 ^j			12.739 (23)	12.281 (30)	12.204 (23) ^F	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 ^F	631	3631				15 ^j			13.240 (26)	12.797 (27)	12.680 (34) ^F			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 ^F	632	3632				14.1 ^j			12.307 (24)	11.895 (32)	11.788 (23) ^F			-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 ^F	633	486		9.90 ^l	10.34 ^l	10.11 ^l			9.691 (27)	9.570 (30)	9.632 (21) ^F	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 ^F	634	3634 ^q		14.63 ^l	14.26 ^f	13.53 ^e			12.151 (38)	11.874 (44)	11.779 (39) ^F	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 ^F	635	3635				14.5 ^j			12.571 (27)	12.093 (31)	11.984 (24) ^F			-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 ^F	636	3636				14.6 ^j			12.915 (29)	12.556 (31)	12.481 (26) ^F			-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 ^F	637	5097			14.81 ^f	14.06 ^e			12.708 ()	12.265 (38)	12.242 (35) ^F	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 ^F	638	491				11.1 ^j			10.070 (23)	9.826 (30)	9.733 (22) ^F			-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 ^F	639	3639				14.8 ^j			13.019 (24)	12.742 (33)	12.513 (28) ^F			-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 ^F	640	3640		11.80 ^l	11.44 ^f	10.97 ^e			9.879 (23)	9.738 (32)	9.656 (22) ^F	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 ^F	641	3641		14.67 ^l	14.86 ^f	14.2 ^e			12.796 (24)	12.729 (33)	12.573 (30) ^F	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 ^F	642	3642				14.5 ^j			12.671 (24)	12.422 (30)	12.269 (23) ^F			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 ^F	644	3644				14.9 ^j			12.904 (26)	12.520 (32)	12.386 (26) ^F			-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 ^F	646	3646				14.4 ^j			12.556 (26)	12.383 (35)	12.185 (28) ^F			-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 ^F	647	3647		13.57 ^l	13.03 ^h	12.08 ^h			11.658 (27)	11.464 (28)	11.391 (23) ^F	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 ^F	648	3648				14.6 ^j			12.857 (29)	12.577 (32)	12.416 (24) ^F			-6.5 (3.8)	-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 ^F	649	3649				15.1 ^j			11.626 (26)	10.844 (30)	10.610 (19) ^F			-13 (3.9)	-8.8 (3.9)	-20.6 (7.5)	-9.1 (7.5)				
588	21:40:38.83	57:32:18.5 ^F	650	3650				14.8 ^j			13.282 (27)	13.028 (27)	12.959 (23) ^F			-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 ^F	651	3651				12.9 ^j			11.644 (27)	11.292 (28)	11.196 (24) ^F			18.4 (3.9)	8.5 (3.9)			-0.36	0.27		
590	21:40:53.24	57:32:24.4 ^F	652	3652				14.1 ^j			12.390 (26)	12.034 (31)	11.952 (24) ^F			-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 ^F	653	3653				14.7 ^j			13.045 (27)	12.650 (32)	12.618 (24) ^F			-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 ^F	654	3654				13.7 ^j			11.964 (51)	11.372 (54)	11.305 (48) ^F			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 ^F	655	3655				14.3 ^j			12.596 (24)	12.184 (31)	12.109 (22) ^F			-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 ^F	656	493				11.5 ^j			10.690 (23)	10.570 (30)	10.435 (22) ^F	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 ^F	657	3657		13.99 ^l	13.67 ^f	13.07 ^e			11.843 (27)	11.608 (30)	11.552 (21) ^F	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 ^F	658	3658		10.90 ^l	11.13 ^l	10.95 ^l			10.435 (29)	10.319 (30)	10.353 (21) ^F			-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 ^F	659	3659				15 ^j			11.549 (29)	10.783 (31)	10.562 (25) ^F			7 (3.9)	14.3 (3.9)	42.4 (7.8)	42.1 (7.4)				
598	21:39:40.87	57:35:09.0 ^F	660	3660		14.08 ^l	13.77 ^f	13.32 ^e			12.415 (26)	12.269 (31)	12.173 (28) ^F	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 ^F	662	481		10.78 ^l	10.87 ^f	10.6 ^e			9.931 (26)	9.730 (30)	9.693 (21) ^F	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 ^F	663	3663				13.9 ^j			11.568 (24)	10.929 (28)	10.810 (19) ^F			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 ^F	664	3664				14.2 ^j			12.752 (27)	12.384 (31)	12.330 (29) ^F			-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 ^F	665	3665				14.1 ^j			12.428 (27)	12.097 (31)	11.995 (23) ^F			-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 ^F	666	3666				14.7 ^j			11.862 (29)	11.156 (28)	10.981 (23) ^F			-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 ^F	667	3667				14.6 ^j			12.896 (29)	12.481 (35)	12.384 (26) ^F			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 ^F	668	3668				14.7 ^j			12.923 (27)	12.611 ()	12.488 (30) ^F			28.9 (3.8)	-12.2 (3.8)			0.31	0		
606	21:40:15.20	57:37:16.3 ^F	669	3669			13.31 ^f	12.91 ^e			11.810 (26)	11.618 (28)	11.553 (21) ^F	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 ^F	670	3670				12.4 ^j			10.289 (27)	9.621 (31)	9.442 (21) ^F			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 ^F	671	3671				12.6 ^j			10.222 (26)	9.555 (28)	9.399 (21) ^F			-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 ^F	672	3672				7.6 ^j			6.571 (44)	6.388 (49)	6.352 (20) ^F							4.34	-1.12		
610	21:40:22.79	57:35:00.4 ^F	673	3673				8.1 ^j			7.588 (27)	7.340 (53)	7.253 (27) ^F			-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 ^F	674	3674				13.7 ^j			12.196 (176)	11.816 (104)	11.768 (89) ^F							0.53	-1.95		
612	21:40:29.82	57:36:02.7 ^F	675	3675				14.3 ^j			12.623 (27)	12.254 (32)	12.176 (26) ^F			-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 ^F	676	3676				11.6 ^j			9.290 (27)	8.643 (30)	8.492 (23) ^F			-5.7 (4.9)	-6.9 (4.9)	-6.3 (1)	-4.3 (1)	0.38	0.22		

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	UCAC3	mas/yr	MVA [j]	mas/yr		
614	21:40:47.93	57:36:13.0 ^F	677	3677				14.5 ^j				12.683 (26)	12.340 (32)	12.210 (23) ^F		-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 ^F	678	3678				14.7 ^j				12.969 (26)	12.697 (32)	12.606 (28) ^F		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 ^F	679	3679				14.8 ^j				12.761 ()	12.717 (58)	12.314 () ^F		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 ^F	680	490				10.6 ^j				8.475 (20)	7.996 (76)	7.759 (26) ^F	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 ^F	681	3681				14.6 ^j				11.036 (26)	10.259 (31)	10.022 (25) ^F		-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 ^F	682	3682				14.7 ^j				12.982 (26)	12.711 (36)	12.584 (25) ^F		-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 ^F	683	3683				14.5 ^j				12.475 (24)	12.202 (31)	12.094 (23) ^F		-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 ^F	684	3684				13.5 ^j				11.750 (23)	11.503 (27)	11.337 (23) ^F		-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 ^F	685	3685				14.6 ^j				12.670 (32)	12.276 (36)	12.222 (37) ^F		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 ^F	686	3686				14.8 ^j				13.087 (31)	12.701 (37)	12.628 (33) ^F		-9 (3.8)	-3.8 (3.8)			4.51	4.4		
624	21:40:50.08	57:37:47.2 ^F	687	3687				14.8 ^j				12.553 (29)	11.909 (27)	11.767 (19) ^F		-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 ^F	688	3688				13 ^j				12.152 (26)	12.019 (27)	11.916 (24) ^F		-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 ^F	689	3689				14.9 ^j				13.149 (29)	12.820 (35)	12.745 (33) ^F		-9.8 (3.8)	7.6 (3.8)	3.6 (7.4)	-13 (7.7)				
627	21:41:25.11	57:36:57.1 ^F	690	3690				12.3 ^j				11.277 (21)	11.038 (31)	10.943 (20) ^F		-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 ^F	691	3691				12.2 ^j				9.977 (26)	9.310 (27)	9.153 (23) ^F		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 ^F	692	3692				11.8 ^j				5.813 (29)	4.724 ()	4.215 () ^F		-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 ^F	693	3693				14.5 ^j				9.122 (34)	7.935 (36)	7.561 (17) ^F		-0.9 (6.4)	-7 (6.4)			0.16	0.29		
631	21:40:06.44	57:39:35.1 ^F	694	3694				14.9 ^j				11.277 (26)	10.488 (30)	10.276 (23) ^F		-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 ^F	695	3695				14.9 ^j				13.174 (24)	12.790 (27)	12.712 (32) ^F		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 ^F	696	3696				14.1 ^j				12.616 (24)	12.305 (29)	12.211 (23) ^F		-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 ^F	697	3697				11.4 ^j				8.631 (26)	7.861 (76)	7.590 (21) ^F		-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 ^F	698	3698				12.9 ^j				11.648 (24)	11.293 (31)	11.155 (23) ^F		-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 ^F	699	3699				14.3 ^j				12.385 (24)	11.888 (28)	11.789 (22) ^F		-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 ^F	700	489				10.8 ^j				10.284 (23)	10.172 (28)	10.125 (22) ^F	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 ^F	701	3701				14.8 ^j				12.899 (28)	12.566 (35)	12.472 (32) ^F		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 ^F	702	3702				12.3 ^j				11.719 (23)	11.588 (29)	11.518 (23) ^F		-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 ^F	703	3703				13.5 ^j				12.528 (28)	12.351 (35)	12.265 (26) ^F		-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 ^F	704	3704				14.6 ^j				12.892 (26)	12.533 (27)	12.369 (28) ^F		-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 ^F	705	3705				12.2 ^j				11.108 (29)	10.810 (33)	10.756 (26) ^F		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 ^F	706	3706				13.6 ^j				12.041 (24)	11.556 (27)	11.497 (23) ^F		-9.3 (3.9)	-12.5 (3.9)	-3 (7.3)	-12.1 (7.3)	0.46	-0.71		
644	21:40:01.19	57:42:53.1 ^F	707	3707				12.7 ^j				9.969 (27)	9.203 (30)	8.993 (23) ^F		-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 ^F	708	3708				13.1 ^j				11.886 (27)	11.611 (27)	11.517 (23) ^F		-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 ^F	709	3709				14.3 ^j				12.058 (31)	11.629 (39)	11.475 (37) ^F		-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 ^F	710	3710				14.4 ^j				11.853 (29)	11.308 (33)	11.190 (28) ^F		-16 (6)	-24.6 (6)			0.27	-0.15		
648	21:40:05.88	57:42:48.9 ^F	711	3711				12.5 ^j				11.442 (27)	11.032 (32)	10.939 (23) ^F		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 ^F	712	3712				13.02 ^l				8.514 (18)	7.513 (36)	7.174 (20) ^F		-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 ^F	713	485		11.15 ^l	11.49 ^l	11.15 ^l				10.200 (26)	9.989 (28)	9.836 (21) ^F	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 ^F	714	3714				12.6 ^j				11.923 (26)	11.764 (28)	11.721 (23) ^F		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 ^F	715	3715				13.2 ^e				12.145 (35)	11.922 (46)	11.881 (51) ^F	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 ^F	716	3716				13.8 ^j				12.453 (21)	12.174 (31)	12.091 (22) ^F		-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 ^F	717	3717				13.1 ^j				11.820 (23)	11.440 (25)	11.396 (22) ^F		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 ^F	718	3718				12.2 ^j				11.177 (24)	10.810 (28)	10.737 (23) ^F		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 ^F	719	3719				14.3 ^j				12.741 (35)	12.537 (38)	12.424 (33) ^F		-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 ^F	720	3720				14.2 ^j				12.091 (23)	11.468 (28)	11.411 (22) ^F		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 ^F	721	3721				14.4 ^j				12.777 (24)	12.511 (28)	12.398 (26) ^F		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 ^F	722	3722				14.4 ^j				12.304 (23)	11.953 (29)	11.849 (23) ^F		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 ^F	723	3723				13.2 ^j				11.931 (23)	11.626 (29)	11.594 (23) ^F		-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 ^F	724	3724				14.4 ^j				12.384 (27)	11.982 (31)	11.897 (23) ^F		-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 ^F	725	730				11.4 ^j				10.854 (26)	10.710 (30)	10.634 (21) ^F	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 ^F	726	5092				14.77 ^e				12.746 (24)	12.340 (29)	12.184 (23) ^F	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 ^F	728	740				11.7 ^j				11.263 (23)	11.164 (28)	11.121 (22) ^F	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 ^F	729	3729				14.2 ^j				12.328 (24)	11.920 (29)	11.802 (25) ^F		-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	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
																PPMXL		UCAC3		MVA		[j]
667	21:41:04.45	57:43:44.3 ^F	730	3730				14.7 ^j			12.816 (21)	12.477 (28)	12.372 (26) ^F			-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 ^F	731	3731				13.9 ^j			12.254 (28)	11.867 (31)	11.773 (23) ^F			-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 ^F	732	727				11.3 ^j			10.594 (27)	10.456 (33)	10.376 (24) ^F	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 ^F	733	3733				14.3 ^j			12.421 (24)	12.105 (33)	11.973 (21) ^F			-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 ^F	734	3734				13.7 ^j			12.078 (27)	11.713 (31)	11.631 (23) ^F			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 ^F	735	3735				14.6 ^j			12.512 (32)	12.170 (35)	12.092 (29) ^F			5.5 (7.2)	-22.7 (7.2)			0.53	-0.37	
673	21:40:31.07	57:45:29.5 ^F	736	737				11.5 ^j			11.067 (24)	10.938 (32)	10.859 (25) ^F	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 ^F	737	741				11.8 ^j			10.760 (28)	10.424 (29)	10.379 (25) ^F			-281.8 (5.1)	302.2 (5.1)	7 (2.8)	1 (2.7)	-1.13	0.31	
675	21:40:46.45	57:45:24.0 ^F	738	3738				14.4 ^j			10.972 (23)	10.243 (28)	10.020 (22) ^F			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 ^F	739	3739				14.3 ^j			12.635 (26)	12.210 (29)	12.216 (28) ^F			-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 ^F	740	3740				12.8 ^j			10.992 (24)	10.515 (27)	10.390 (21) ^F			-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 ^F	741	744		10.46 ^l	10.69 ^l	10.52 ^l			10.089 (26)	10.071 (30)	10.031 (19) ^F	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 ^F	742	3742				14.5 ^j			12.771 (32)	12.483 (32)	12.391 (32) ^F			-6.3 (3.8)	-12.3 (3.8)	14.5 (7.1)	-30.5 (7.1)	0.48	-0.11	
680	21:41:28.13	57:44:44.6 ^F	743	3743				14 ^j			10.773 (24)	10.044 (31)	9.832 (19) ^F			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 ^F	744	3744				14.1 ^j			9.994 (26)	9.090 (28)	8.851 (19) ^F			-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 ^F	745	3745				14.5 ^j			12.010 (26)	11.366 (27)	11.264 (21) ^F			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 ^F	746	743		9.51 ^l	9.97 ^l	9.85 ^l			9.446 (26)	9.386 (30)	9.328 (21) ^F	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 ^F	747	482		9.36 ^l	9.83 ^l	9.71 ^l			9.463 (26)	9.461 (28)	9.452 (23) ^F	B8 ^q		-1.6 (1.3)	-7.4 (1.2)	-3.1 (0.5)	-5.2 (0.7)	-0.23	-0.14	
685	21:40:31.59	57:16:40.9 ^F	800	488		12.05 ^l	11.16 ^l	10.03 ^l			7.916 (21)	7.413 (42)	7.262 (26) ^F	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 ^F	801	3801				12.6 ^j			10.164 (27)	9.524 (32)	9.320 (21) ^F			-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 ^F	802	3802				13 ^j			11.518 (31)	11.246 (40)	11.076 (33) ^F			-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 ^F	803	3803				12.9 ^j			11.703 (27)	11.538 (33)	11.418 (21) ^F			-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 ^F	804	3804				13.6 ^j			12.137 (29)	11.911 (36)	11.783 (26) ^F			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 ^F	805	3805		10.99 ^l	11.4 ^f	11 ^e			10.470 (0)	10.346 (0)	10.475 (52) ^F	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 ^F	806	3806				13.5 ^j			10.740 (21)	10.103 (30)	9.894 (20) ^F			-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 ^F	807	3807				12.3 ^j			11.221 (24)	10.951 (30)	10.883 (26) ^F			-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 ^F	808	3808				14.4 ^j			12.636 (35)	12.214 (32)	12.148 (32) ^F							-1.26	-0.13	
694	21:41:40.79	57:25:46.8 ^F	809	3809				13.8 ^j			12.318 (28)	11.995 (36)	11.906 (28) ^F			-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 ^F	810	3810				12.7 ^j			9.870 (23)	9.093 (31)	8.882 (20) ^F			20.9 (8.4)	-9.3 (8.4)			-0.23	-0.04	
696	21:41:37.05	57:31:48.9 ^F	811	495				11.1 ^j			10.733 (23)	10.560 (27)	10.491 (20) ^F	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 ^F	812	496				12.1 ^j			11.269 (21)	11.149 (30)	11.050 (19) ^F	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 ^F	813	3813				13.8 ^j			12.569 (21)	12.345 (27)	12.248 (19) ^F			-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 ^F	814	3814				13.4 ^j			11.989 (23)	11.625 (31)	11.526 (22) ^F			-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 ^F	815	3815				14.6 ^j			12.854 (34)	12.476 (33)	12.428 (35) ^F			-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 ^F	816	3816				14.3 ^j			12.443 (24)	12.167 (33)	12.089 (24) ^F			-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 ^F	817	3817				14.2 ^j			11.158 (27)	10.487 (32)	10.278 (21) ^F			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 ^F	818	3818				12.4 ^j			9.783 (27)	9.039 (32)	8.821 (19) ^F			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 ^F	819	3819				13.6 ^j			11.967 (26)	11.666 (32)	11.489 (23) ^F			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 ^F	820	3820				13.5 ^j			16.267 (129)	14.704 (0)	14.812 (0) ^F			-12 (5.5)	-25.6 (5.5)					no/faint star
706	21:42:19.95	57:15:17.1 ^F	821	3821				13.9 ^j			12.199 (24)	11.958 (29)	11.879 (22) ^F			-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 ^F	822	500		11.90 ^l	11.09 ^h	11.05 ^h			10.582 (39)	10.436 (43)	10.318 (37) ^F	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 ^F	823	3823				13.4 ^j			11.045 (26)	10.478 (31)	10.279 (24) ^F			-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 ^F	824	3824				14.4 ^j			10.795 (24)	10.062 (31)	9.825 (21) ^F			-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 ^F	825	3825				12.8 ^j			11.384 (26)	11.097 (32)	10.980 (21) ^F			-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 ^F	826	3826				12.3 ^j			11.206 (24)	10.812 (30)	10.774 (23) ^F			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 ^F	827	3827				14.1 ^j			11.826 (26)	11.439 (31)	11.249 (21) ^F			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 ^F	828	3828				14.6 ^j			12.968 (26)	12.616 (30)	12.529 (24) ^F			15.7 (7.1)	43.7 (7.1)	-4.9 (6.9)	10.2 (6.8)	0.37	-0.22	
714	21:41:54.15	57:26:32.4 ^F	829	3829				14.4 ^j			12.310 (26)	11.885 (32)	11.784 (25) ^F			-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 ^F	830	3830				12.2 ^j			11.307 (26)	11.152 (33)	11.065 (24) ^F			-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 ^F	831	3831				13 ^j			10.123 (24)	9.442 (31)	9.190 (21) ^F			-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 ^F	832	3832				14.6 ^j			12.557 (26)	12.054 (31)	11.944 (21) ^F			-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 ^F	833	3833				14.5 ^j </														

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	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT Class	<i>A_v</i>	μ_{α} PPMXL mas/yr	μ_{δ} mas/yr	μ_{α} UCAC3 mas/yr	μ_{δ} mas/yr	μ_{α} MVA [j] mas/yr	μ_{δ} mas/yr	Comments
720	21:42:09.26	57:29:40.1 ¹	835	3835				14.6 ^j				12.867 (26)	12.501 (37)	12.409 (24) ^F		-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 ^F	836	3836				13.1 ^j				11.893 (23)	11.678 (30)	11.574 (25) ^F		-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 ^F	837	3837				13.5 ^j				8.549 (19)	7.396 (33)	7.032 (23) ^F		-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 ^F	838	3838				13.1 ^j				11.724 (26)	11.416 (30)	11.331 (24) ^F		-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 ^F	839	3839				13.6 ^j				12.035 (26)	11.790 (33)	11.669 (26) ^F		-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 ^F	840	3840				13.6 ^j				11.870 (21)	11.510 (28)	11.395 (20) ^F		-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 ^F	841	3841				10.7 ^j				9.850 (32)	9.492 ()	9.426 (0) ^F		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 ^F	842	3842		10.48 ^l	10.74 ^l	10.44 ^l				9.534 (27)	9.225 (30)	9.164 (23) ^F		-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 ^F	843	3843				12 ^j				10.736 (21)	10.392 (27)	10.276 (19) ^F		-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 ^F	844	3844				14.2 ^j				12.340 (29)	12.000 (28)	11.890 (29) ^F		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 ^F	845	3845				11.8 ^j				10.686 (28)	10.408 (31)	10.346 (28) ^F		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 ^F	846	497				11.3 ^j				10.116 (45)	9.834 (42)	9.764 (30) ^F		-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 ^F	847	498				10.4 ^j				8.075 (29)	7.444 (42)	7.282 (18) ^F	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 ^F	848	3848				10.3 ^j				8.075 (29)	7.444 (42)	7.282 (18) ^F		-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 ^F	849	3849				14.7 ^j				12.668 (62)	12.141 (57)	12.041 (57) ^F		17.4 (3.9)	33.6 (3.9)			-2.65	1.49	
735	21:42:04.01	57:39:16.6 ^F	850	499		12.43 ^l	12.02 ^h	11.09 ^h				11.112 (26)	11.052 (32)	10.986 (21) ^F	A0 ^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 ^F	851	3851				14.4 ^j				13.010 (31)	12.807 (40)	12.620 (37) ^F		-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 ^F	852	5107				14.3 ^j				12.584 (26)	12.337 (32)	12.181 (24) ^F		-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 ^F	853	3853				13.9 ^j				10.690 (24)	9.976 (31)	9.732 (19) ^F		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 ^F	854	3854				13.4 ^j				12.175 (26)	11.934 (32)	11.838 (24) ^F		-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 ^F	855	3855				12.6 ^j				10.012 (26)	9.253 (30)	9.054 (19) ^F		-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 ^F	856	3856				13.9 ^j				10.757 (26)	9.978 (30)	9.772 (21) ^F		-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 ^F	857	3857				14.2 ^j				12.359 (26)	12.105 (32)	11.971 (21) ^F		-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 ^F	858	3858				13.7 ^j				11.279 (26)	10.653 (28)	10.514 (19) ^F		-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 ^F	859	3859				13.5 ^j				11.380 (24)	10.816 (31)	10.702 (21) ^F		13.9 (3.8)	-2.5 (3.8)			-0.35	-0.46	
745	21:42:02.51	57:44:42.6 ^F	861	3861				14.4 ^j				13.020 (26)	12.798 (32)	12.688 (24) ^F		-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 ^F	862	3862				14.5 ^j				12.861 (27)	12.667 (28)	12.521 (19) ^F		-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 ^F	863	3863				12.1 ^j				10.813 (26)	10.436 (30)	10.335 (21) ^F		-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 ^F	864	750		6.28 ^l	7.09 ^l	6.86 ^l				6.072 (24)	5.914 (33)	5.567 (17) ^F	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 ^F	865	3865				12.1 ^j				9.525 (26)	8.813 (33)	8.561 (22) ^F		-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 ^F	866	3866				10.7 ^j				7.095 (20)	6.247 (23)	5.946 (16) ^F		-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 ^F	867	3867				13.3 ^j				12.163 (29)	11.992 (32)	11.868 (21) ^F		-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 ^F	868	3868				13.2 ^j				10.232 (32)	9.559 (36)	9.330 (28) ^F		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 ^F	869	3869				12.7 ^j				11.438 (25)	11.150 (30)	11.074 (23) ^F		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 ^F	870	3870				14.3 ^j				10.755 (27)	9.948 (29)	9.698 (21) ^F		-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 ^F	871	3871				13.8 ^j				12.427 (26)	12.202 (31)	12.080 (23) ^F		-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 ^F	872	3872				12.6 ^j				11.167 (27)	10.821 (31)	10.702 (23) ^F		-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 ^F	873	3873 ^a		16.39 ^k	14.94 ^k	13.9 ^j				12.272 (26)	11.994 (32)	11.886 (24) ^F	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 ^F	874	3874				13.5 ^j				11.284 (46)	10.828 (52)	10.682 (50) ^F		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 ^F	875	3875				14.6 ^j				10.817 (27)	10.062 (29)	9.815 (21) ^F		-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 ^F	877	3877				13.3 ^j				11.763 (27)	11.363 (31)	11.288 (21) ^F		-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 ^F	878	3878				12.4 ^j				11.188 (25)	10.895 (31)	10.807 (19) ^F		-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 ^F	879	3879				14.1 ^j				12.176 (27)	11.742 (31)	11.643 (19) ^F		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 ^F	880	3880				12.9 ^j				11.836 (27)	11.702 (31)	11.578 (23) ^F		-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 ^F	881	506				10.4 ^j				9.657 (27)	9.486 (31)	9.437 (19) ^F	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 ^F	882	3882				14.2 ^j				12.441 (29)	12.082 (31)	11.965 (24) ^F		-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 ^F	883	502				10.7 ^j				8.609 (24)	8.121 (27)	7.871 (26) ^F		-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 ^F	884	3884				12.9 ^j				11.238 (26)	10.827 (32)	10.747 (19) ^F		-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 ^F	885	3885				12.4 ^j				11.465 (27)	11.338 (32)	11.246 (24) ^F		-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-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s		DA	2004			mag	mag	mag	mag	mag	mag			mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	MVA [j]	
						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 ^F	888	3888				14.6 ^j				12.821 (27)	12.533 (32)	12.419 (28) ^F			-57 (5.1)	-8.9 (5.1)	-11.8 (7.3)	-25.1 (7.3)			
772	21:42:42.10	57:30:14.3 ^F	889	3889				13.3 ^j				10.365 (27)	9.665 (37)	9.424 (26) ^F			-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 ^F	890	3890				14.5 ^j				9.144 (32)	7.981 (33)	7.601 (27) ^F			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 ^F	891	3891				12.7 ^j				9.917 (27)	9.184 (30)	8.920 (21) ^F			-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 ^F	892	3892				13.7 ^j				11.970 (27)	11.562 (30)	11.458 (23) ^F			-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 ^F	893	3893				14.7 ^j				12.509 (24)	12.160 (30)	11.920 (21) ^F			-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 ^F	894	3894				14.3 ^j				12.530 (26)	12.116 (31)	12.006 (23) ^F			-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 ^F	895	3895				13.3 ^j				10.251 (26)	9.467 (31)	9.215 (21) ^F			-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 ^F	896	3896				14.6 ^j				12.580 (30)	12.176 (32)	12.085 (24) ^F			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 ^F	896	3896				14.6 ^j				15.398 (72)	14.741 (79)	14.435 (84) ^F			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 ^F	897	3897				12.8 ^j				9.130 (37)	8.336 (63)	7.975 (23) ^F			-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 ^F	898	505		12.75 ^l	11.98 ^l	10.82 ^l				8.711 (46)	8.193 (59)	8.026 (31) ^F	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 ^F	899	3899				13.3 ^j				11.712 (27)	11.407 (32)	11.271 (24) ^F			0.6 (3.8)	-1.7 (3.8)			-0.1	0	
784	21:42:57.79	57:36:36.2 ^F	900	3900				14.1 ^j				12.404 (30)	12.045 (35)	11.965 (30) ^F			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 ^F	901	503				10 ^j				6.880 (23)	6.021 (38)	5.804 (23) ^F			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 ^F	902	3902				14 ^j				10.746 (29)	9.939 (32)	9.712 (19) ^F			-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 ^F	903	501				9.9 ^j				7.626 (26)	7.031 (26)	6.891 (21) ^F	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 ^F	906	3906				13.4 ^j				11.955 (33)	11.700 (40)	11.569 (26) ^F			-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 ^F	907	3907				13.3 ^j				11.906 (27)	11.653 (30)	11.488 (18) ^F			-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 ^F	908	752				11.6 ^j				10.977 (29)	10.823 (32)	10.732 (19) ^F			-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 ^F	909	3909				12.3 ^j				11.340 (25)	11.156 (31)	11.071 (23) ^F			-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 ^F	910	3910		13.47 ^l	12.74 ^l	11.67 ^l				9.377 (27)	8.803 (32)	8.609 (21) ^F			-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 ^F	911	3911				11.9 ^j				11.518 (26)	11.376 (31)	11.365 (24) ^F			-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 ^F	912	3912				12 ^j				11.143 (34)	10.842 (40)	10.767 (30) ^F			-47.7 (13.4)	40.9 (13.4)	-1.6 (9.2)	9.7 (15.9)	-0.29	0.76	
795	21:43:35.45	57:14:20.3 ^F	914	3914				12.8 ^j				11.211 (29)	10.872 (32)	10.770 (24) ^F			-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 ^F	915	3915				12.7 ^j				11.268 (27)	10.975 (31)	10.858 (21) ^F			-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 ^F	916	3916				14 ^j				12.189 (23)	11.930 (29)	11.800 (21) ^F			-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 ^F	917	3917				12.1 ^j				9.411 (21)	8.687 (49)	8.450 (19) ^F			-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 ^F	918	3918				12 ^j				10.757 (21)	10.422 (29)	10.296 (19) ^F			-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 ^F	919	3919				13.3 ^j				11.583 (23)	11.291 (31)	11.166 (23) ^F			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 ^F	920	3920				13.7 ^j				11.947 (24)	11.711 (35)	11.601 (28) ^F			17.9 (19)	31.5 (19)			0.28	-0.07	
802	21:44:38.04	57:16:28.2 ^F	921	512				10.6 ^j				9.955 (32)	9.754 (37)	9.618 (26) ^F	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 ^F	922	3922				12.5 ^j				10.191 (23)	9.805 (31)	9.571 (19) ^F			-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 ^F	923	3923				14 ^j				12.315 (23)	12.064 (33)	11.908 (21) ^F			-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 ^F	924	3924				12.7 ^j				11.592 (24)	11.367 (31)	11.231 (23) ^F			-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 ^F	925	3925				14.3 ^j				12.416 (23)	12.122 (31)	11.977 (24) ^F			-6.9 (4.1)	-2.4 (4.1)	3.5 (6.8)	16.4 (6.8)	-0.14	-0.23	
807	21:44:34.95	57:20:09.8 ^F	926	3926				13.1 ^j				11.040 ()	11.093 (68)	10.941 (64) ^F			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 ^F	927	3927				14.2 ^j				12.476 (38)	12.135 (37)	12.064 (30) ^F			-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 ^F	928	3928				13.8 ^j				11.914 (27)	11.495 (31)	11.414 (21) ^F			-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 ^F	929	3929				14.2 ^j				12.507 (24)	12.261 (33)	12.115 (24) ^F			-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 ^F	930	3930				12.9 ^j				11.424 (24)	11.071 (31)	11.003 (23) ^F			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 ^F	931	3931				14.1 ^j				12.494 (26)	12.243 (35)	12.096 (26) ^F			-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 ^F	932	3932				13.9 ^j				10.766 (27)	10.083 (34)	9.873 (20) ^F			-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 ^F	935	3935				13.7 ^j				12.078 (23)	11.886 (31)	11.668 (21) ^F			-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 ^F	936	509		11.09 ^l	10.93 ^l	10.47 ^l				11.025 ()	13.068 (88)	12.772 (58) ^F	A0 ^q			-1.6 (1.5)	-7.6 (1)	0.09	-0.02	2x[r]	
817	21:44:02.57	57:26:21.8 ^F	936	509		11.09 ^l	10.93 ^l	10.47 ^l				9.493 (26)	9.434 (33)	9.341 (28) ^F	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 ^F	937	3937				12.8 ^j				11.758 (24)	11.555 (30)	11.460 (23) ^F			-5.7 (4.1)	-6.1 (4.1)	-1.5 (7.4)	-15.3 (7.4)	-0.22	-0.36	
819	21:44:35.70	57:27:12.5 ^F	938	511				9.1 ^j				6.500 (26)	5.973 (5)	5.882 (21) ^F	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 ^F	939	3939				13.3 ^j				10.358 (25)	9.589 (29)	9.373 (19) ^F			-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 ^F	940	3940				14.4 ^j				12.511 (25)	12.228 (32)	12.095 (24) ^F			-2.1 (3.8)	-8.2 (3.8)	2.7 (7.3)	-16 (7.5)	0.05	-0.37</	

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	UCAC3	mas/yr	MVA	[j]	
824	21:43:59.05	57:29:34.2 ^F	943	5123				14.6 ^F			12.317 (32)	11.896 (43)	11.752 (30) ^F			-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 ^F	944	3944				14.2 ^F			12.683 (32)	12.408 (36)	12.271 (32) ^F			-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 ^F	945	507				11.9 ^F			11.472 (24)	11.415 (32)	11.303 (19) ^F	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 ^F	946	3946				12.1 ^F			9.558 (25)	8.848 (33)	8.655 (19) ^F			-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 ^F	947	3947				14.5 ^F			12.512 (29)	12.148 (36)	12.037 (28) ^F			-53.2 (5.1)	44.8 (5.1)			0.12	0.49	
829	21:43:44.29	57:34:07.0 ^F	948	3948				13.5 ^F			11.941 (24)	11.569 (33)	11.404 (23) ^F			-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 ^F	949	3949				12.9 ^F			10.693 (21)	10.250 (30)	10.060 (19) ^F			-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 ^F	950	508				11.3 ^F			10.340 (21)	10.091 (30)	9.970 (21) ^F			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 ^F	952	3952				14 ^F			12.158 (23)	11.809 (31)	11.682 (18) ^F			-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 ^F	953	3953				14.4 ^F			11.846 (25)	11.441 (30)	11.272 (22) ^F			-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 ^F	954	3954				14.3 ^F			12.133 (27)	11.725 (32)	11.612 (18) ^F			-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 ^F	955	3955				12.4 ^F			11.236 (25)	10.891 (32)	10.857 (22) ^F			-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 ^F	956	3956				13.5 ^F			11.541 (23)	11.142 (31)	10.966 (21) ^F			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 ^F	957	3957				14.5 ^F			12.317 (23)	11.995 (32)	11.766 (21) ^F			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 ^F	958	3958				14.4 ^F			11.750 (21)	11.168 (32)	10.976 (19) ^F			-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 ^F	959	3959				12.5 ^F			11.848 (27)	11.671 (33)	11.617 (24) ^F			-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 ^F	960	3960				13.5 ^F			11.488 (23)	11.054 (31)	10.886 (23) ^F			-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 ^F	961	3961				13 ^F			10.127 (27)	9.386 (31)	9.156 (19) ^F			-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 ^F	962	3962				13.8 ^F			11.833 (30)	11.465 (32)	11.276 (21) ^F			24.6 (19.8)	-44.3 (19.8)		0		-0.13	
843	21:43:52.66	57:42:38.0 ^F	963	3963				13.2 ^F														no star
844	21:44:09.03	57:40:48.7 ^F	964	510				11.7 ^F			14.433 (93)	13.523 (66)	13.076 (50) ^F	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 ^F	964	510				11.7 ^F			10.709 (28)	10.459 (36)	10.374 (33) ^F	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 ^F	965	3965				12.1 ^F			11.176 (23)	10.889 (31)	10.742 (21) ^F			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 ^F	966	3966				10.9 ^F			8.682 (19)	8.052 (31)	7.900 (21) ^F			-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 ^F	967	763	9.33 ^l	9.32 ^l	9 ^l				8.247 (24)	8.146 (23)	8.158 (29) ^F	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 ^F	968	3968				13 ^F			11.988 (29)	11.811 (33)	11.718 (21) ^F			-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 ^F	1000	4000				12.2 ^F			10.155 (24)	9.518 (30)	9.368 (23) ^F			-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	57:46:49.3 ^F	1001	733				11.6 ^F			10.844 (26)	10.562 (30)	10.521 (18) ^F	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 ^F	1002	4002				14.1 ^F			10.333 (24)	9.394 (26)	9.183 (23) ^F			-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 ^F	1003	4003				13.2 ^F			10.410 (24)	9.664 (28)	9.488 (19) ^F			-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 ^F	1004	4004				12.5 ^F			8.676 (19)	7.681 (57)	7.393 (34) ^F			-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 ^F	1005	4005				12.9 ^F			10.205 (22)	9.438 (28)	9.227 (22) ^F			-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 ^F	1006	4006				11.9 ^F			10.911 (24)	10.654 (28)	10.586 (20) ^F			-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 ^F	1007	716	9.96 ^f	9.5 ^e					8.310 (26)	8.132 (51)	8.100 (23) ^F	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 ^F	1008	4008				12.4 ^F			9.895 (27)	9.188 (33)	8.961 (21) ^F			-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 ^F	1009	4009				13.5 ^F			11.896 (26)	11.544 (31)	11.434 (24) ^F			-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 ^F	1010	4010				12.1 ^F			9.670 (26)	9.037 (29)	8.900 (18) ^F			-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 ^F	1011	4011				11.7 ^F			9.259 (27)	8.505 (47)	8.296 (20) ^F			-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 ^F	1012	4012				12.9 ^F			11.433 (26)	11.163 (32)	11.027 (21) ^F			-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 ^F	1014	4014				13.3 ^F			11.371 (26)	11.039 (31)	10.836 (19) ^F			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 ^F	1015	4015				13.7 ^F			10.614 (24)	9.855 (28)	9.684 (22) ^F			-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 ^F	1016	719				11.4 ^F			10.479 (27)	10.215 (33)	10.099 (22) ^F	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 ^F	1017	4017				13.6 ^F			11.940 (26)	11.657 (33)	11.526 (25) ^F			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 ^F	1018	4018				12.8 ^F			11.578 (27)	11.299 (31)	11.192 (19) ^F			-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 ^F	1020	4020				13.3 ^F			12.240 (26)	12.077 (31)	11.972 (19) ^F			-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 ^F	1021	4021				13.7 ^F			11.951 (26)	11.651 (31)	11.500 (19) ^F			-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 ^F	1022	717				10.4 ^F			9.299 (22)	8.991 (27)	8.952 (19) ^F	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 ^F	1023	4023				13.8 ^F			11.868 (24)	11.518 (28)	11.392 (22) ^F			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 ^F	1024	4024				12.1 ^F			9.649 (22)	8.931 (30)	8.767 (22) ^F			-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 ^F	1025	4025				12 ^F			10.170 (34)	9.623 (35)	9.494 (24) ^F			-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 ^F	1026	4026				11.8 ^F			9.495 (26)	8.838 (31)	8.681 (18) ^F			-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 ^F	1027	4027				13.8 ^F			10.422 (26)	9.662 (31)	9.402 (21) ^F			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 ^F	1028	4028				13.4 ^F			13.549 (27)	13.100 (36)	12.923 (34) ^F			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-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments		
		J2000		DA	2004			mag	mag	mag	mag	mag	mag			mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	MVA	[j]		
	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			
877	21:38:00.09	57:59:36.6 ^F	1029	4029				13.1 ^j			11.251 (26)	10.662 (32)	10.519 (19) ^F				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 ^F	1030	715				11.1 ^j			10.097 (32)	9.864 (42)	9.763 (28) ^F	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 ^F	1031	4031				13.7 ^j			10.947 (29)	10.389 (37)	10.217 (26) ^F				-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 ^F	1032	4032				12.8 ^j			10.317 (22)	9.844 (30)	9.660 (20) ^F				-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 ^F	1033	4033				13.2 ^j			10.459 (26)	9.717 (31)	9.529 (21) ^F				-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 ^F	1034	718				11.3 ^j			9.616 (24)	9.023 (28)	8.915 (22) ^F	dK3: ^q			129 (2.7)	147.8 (2.7)	128	150			[j] imprec.		
883	21:38:14.76	58:05:27.6 ^F	1035	4035				12.8 ^j			10.683 (26)	10.230 (30)	10.101 (19) ^F				-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 ^F	1036	4036				12.4 ^j			11.271 (22)	11.058 (30)	10.960 (23) ^F				-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 ^F	1037	721		10.13 ^j	10.46 ^j	10.13 ^j			9.022 (24)	8.827 (28)	8.624 (22) ^F	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 ^F	1038	4038				11.7 ^j			9.355 (26)	8.591 (28)	8.419 (21) ^F				-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 ^F	1039	4039				11.8 ^j			10.868 (24)	10.483 (29)	10.443 (23) ^F				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 ^F	1040	4040				13.7 ^j			11.679 (0)	11.473 (0)	11.474 (36) ^F				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 ^F	1041	4041				13.3 ^j			12.049 (26)	11.795 (28)	11.713 (23) ^F				-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 ^F	1042	4042				12.2 ^j			10.704 (26)	10.309 (30)	10.224 (23) ^F				-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 ^F	1043	4043				12 ^j			11.406 (34)	11.143 (0)	11.114 (0) ^F				-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 ^F	1044	734				11.8 ^j			11.306 (26)	11.178 (27)	11.132 (21) ^F	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 ^F	1045	4045				13.7 ^j			11.958 (35)	11.667 (44)	11.519 (34) ^F				-7.3 (5.1)	2.3 (5)			-0.26	-0.02			
894	21:39:21.36	57:52:40.1 ^F	1046	722				8.5 ^j			6.171 (19)	5.662 (33)	5.582 (16) ^F	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 ^F	1047	4047				12.4 ^j			11.488 (22)	11.327 (32)	11.239 (23) ^F				-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 ^F	1049	4049				13.8 ^j			9.599 (23)	8.595 (21)	8.364 (23) ^F				-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 ^F	1050	726				11.1 ^j			10.248 (24)	9.948 (30)	9.855 (22) ^F	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 ^F	1051	4051				12.2 ^j			9.857 (22)	9.252 (30)	9.066 (20) ^F				-0.7 (4.7)	0.3 (4.7)	-3 (8.6)	2.7 (8.6)	-0.39	0.83			
900	21:39:46.08	57:55:40.8 ^F	1052	4052				12.9 ^j			9.883 (23)	9.161 (27)	8.944 (20) ^F				-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 ^F	1053	4053				13.6 ^j			11.067 (21)	10.434 (28)	10.078 (20) ^F				-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 ^F	1054	4054				11.3 ^j			8.548 (29)	7.782 (17)	7.623 (17) ^F				-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 ^F	1055	4055				13.7 ^j			10.055 (22)	9.173 (28)	8.896 (20) ^F				-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 ^F	1056	4056				13.8 ^j			10.589 (22)	9.871 (28)	9.658 (23) ^F				1.9 (6)	6.2 (6)			-0.02	0.26			
905	21:39:20.20	58:01:48.3 ^F	1057	723				10.9 ^j			9.795 (22)	9.567 (30)	9.459 (20) ^F	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 ^F	1058	4058				13.9 ^j			12.121 (24)	11.815 (30)	11.695 (22) ^F				-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 ^F	1059	4059				13.3 ^j			9.403 (23)	8.428 (65)	8.137 (24) ^F				-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 ^F	1060	732				11.4 ^j			10.043 (23)	9.836 (28)	9.663 (20) ^F	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 ^F	1061	731		11.7 ^f		11.3 ^e			9.363 (23)	9.217 (27)	9.070 (22) ^F	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 ^F	1062	4062				12.2 ^j			8.177 (20)	7.288 (42)	6.911 (18) ^F				-3 (4.7)	-2.1 (4.7)	-9.7 (7.7)	-2.7 (7.8)	-0.09	0.12			
911	21:40:09.07	58:00:50.3 ^F	1063	735				9.7 ^j			8.872 (23)	8.796 (30)	8.812 (22) ^F	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 ^F	1064	4064				11 ^j			8.311 (26)	7.591 (29)	7.425 (20) ^F				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 ^F	1065	4065				13.6 ^j			11.594 (24)	11.248 (31)	11.114 (26) ^F				-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 ^F	1066	4066				11.3 ^j			10.645 (26)	10.410 (32)	10.324 (22) ^F				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 ^F	1068	4068				11.2 ^j			10.477 (24)	10.267 (31)	10.207 (22) ^F				-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 ^F	1069	736				11.3 ^j			10.390 (23)	10.197 (28)	10.135 (20) ^F	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 ^F	1070	4070				12.3 ^j			11.091 (24)	10.824 (28)	10.729 (23) ^F				-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 ^F	1071	4071				13.8 ^j			11.899 (24)	11.536 (29)	11.396 (26) ^F				-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 ^F	1072	4072				12 ^j			7.510 (20)	6.354 (49)	6.003 (21) ^F				-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 ^F	1073	4073				13.4 ^j			12.026 (26)	11.624 (30)	11.556 (23) ^F				-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 ^F	1074	4074				12.2 ^j			11.293 (26)	11.035 (28)	10.965 (19) ^F				-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 ^F	1076	4076				13.3 ^j			10.588 (27)	9.864 (28)	9.693 (21) ^F				-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 ^F	1077	4077				12.8 ^j			11.409 (23)	10.973 (32)	10.899 (23) ^F				-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 ^F	1078	4078				13.2 ^j			11.917 (27)	11.630 (32)	11.537 (21) ^F				-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 ^j	1079	4079				12.1 ^j			13.697 (32)	13.228 (40)	13.075 (37) ^F				-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 ^F	1080	4080				12.9 ^j			12.867 (27)	12.538 (33)	12.351 (28) ^F				-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																							

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag			mag	PPMXL	mas/yr	mas/yr	UCAC3	MVA	MVA	[j]
930	21:41:15.31	58:00:42.3 ^F	1083	4083		13.3 ^j					11.025 (25)	10.446 (29)	10.238 (19) ^F				-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 ^F	1084	4084		12.7 ^j					11.558 (24)	11.333 (30)	11.182 (23) ^F				-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 ^F	1085	4085		12.8 ^j					11.195 (21)	10.846 (31)	10.723 (22) ^F				-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 ^F	1086	4086		13.4 ^j					11.955 (29)	11.700 (32)	11.564 (23) ^F				-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 ^F	1087	4087		13.8 ^j					11.178 (27)	10.536 (32)	10.332 (21) ^F				-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 ^F	1088	4088		14.1 ^j					12.504 (27)	12.300 (30)	12.156 (23) ^F				2.1 (3.8)	-24 (3.8)			-0.18	0.1	
936	21:41:28.83	58:04:57.9 ^F	1090	4090		12.1 ^j					9.739 (27)	9.056 (32)	8.863 (21) ^F				-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 ^F	1091	747		8.9 ^j					6.439 (32)	5.853 (42)	5.719 (18) ^F	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 ^F	1092	4092		13.6 ^j					10.752 (24)	10.067 (32)	9.904 (21) ^F				-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 ^F	1093	4093		11.5 ^j					10.219 (24)	9.821 (30)	9.740 (21) ^F				-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 ^F	1094	4094		11.3 ^j					10.429 (24)	10.085 (32)	10.007 (21) ^F				-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 ^F	1095	4095		14.2 ^j					12.506 (24)	12.159 (31)	12.071 (23) ^F				-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 ^F	1096	4096		13.6 ^j					12.201 (26)	11.972 (31)	11.870 (24) ^F				-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 ^F	1097	749		10.4 ^j					9.600 (24)	9.430 (31)	9.347 (21) ^F	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 ^F	1098	751	9.97 ^l	10.15 ^l	10 ^l				9.580 (24)	9.574 (30)	9.551 (21) ^F	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 ^F	1099	4099		13.5 ^j					12.234 (0)	12.146 (0)	12.019 (0) ^F				-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 ^F	1100	4100		13.7 ^j					11.832 (29)	11.506 (31)	11.355 (24) ^F				-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 ^F	1101	4101		13.7 ^j					12.094 (27)	11.773 (31)	11.693 (23) ^F				-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 ^F	1102	4102		12.3 ^j					11.345 (26)	11.052 (31)	10.996 (21) ^F				-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 ^F	1103	4103		13.6 ^j					10.530 (27)	9.796 (30)	9.564 (21) ^F				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 ^F	1104	4104		13.1 ^j					10.680 (26)	10.021 (30)	9.846 (21) ^F				-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 ^F	1105	4105		12.4 ^j					9.084 (21)	8.140 (38)	7.874 (18) ^F				-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 ^F	1106	4106		12.5 ^j					11.863 (26)	11.685 (31)	11.645 (19) ^F				-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 ^F	1107	4107		12.8 ^j					11.479 (29)	11.177 (32)	11.034 (23) ^F				202 (7.4)	-43.3 (7.4)	-7.3 (3.8)	-9.9 (5)	0.47	0.44	
954	21:41:48.34	57:58:41.4 ^F	1108	4108		13.6 ^j					11.023 (29)	10.338 (31)	10.149 (21) ^F				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 ^F	1109	4109		13.8 ^j					12.167 (30)	11.814 (30)	11.704 (23) ^F				-12.4 (3.8)	-34.6 (3.8)			0.88	-0.79	
956	21:42:17.73	57:59:06.5 ^F	1110	748		10.1 ^j					9.141 (32)	8.869 (31)	8.833 (19) ^F	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 ^F	1111	4111		13.5 ^j					12.080 (24)	11.719 (29)	11.658 (23) ^F				-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 ^F	1112	4112		12.3 ^j					11.160 (26)	10.796 (29)	10.684 (21) ^F				-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 ^F	1113	4113		12.9 ^j					10.068 (26)	9.279 (31)	9.070 (19) ^F				-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 ^F	1114	4114		12.9 ^j					11.560 (27)	11.330 (30)	11.168 (23) ^F				-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 ^F	1115	4115		12.1 ^j					9.668 (29)	8.924 (31)	8.722 (19) ^F				-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 ^F	1116	4116		13.5 ^j					11.796 (27)	11.471 (31)	11.361 (21) ^F				-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 ^F	1117	4117		13.3 ^j					11.703 (27)	11.446 (31)	11.304 (21) ^F				-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 ^F	1118	4118		13.1 ^j					10.848 (25)	10.463 (30)	10.429 (23) ^F				-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 ^F	1119	4119		12.7 ^j					10.262 (27)	9.559 (29)	9.376 (23) ^F				-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 ^F	1120	4120		13.7 ^j					10.494 (25)	9.823 (30)	9.621 (21) ^F				-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 ^F	1121	4121		12.7 ^j					11.236 (25)	10.925 (33)	10.812 (21) ^F				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 ^F	1122	4122		13.3 ^j					10.273 (25)	9.651 (36)	9.398 (21) ^F				-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 ^F	1151	4151		13.9 ^j					11.919 (24)	11.638 (31)	11.461 (25) ^F				-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 ^F	1152	4152		11.2 ^j					10.210 (23)	9.940 (29)	9.856 (22) ^F				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 ^F	1153	4153		12.3 ^j					10.375 (27)	9.825 (36)	9.613 (23) ^F				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 ^F	1154	713		10.8 ^j					9.567 (26)	9.179 (31)	9.144 (19) ^F	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 ^F	1155	4155		13.6 ^j					11.997 (24)	11.728 (29)	11.608 (23) ^F				-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 ^F	1156	4156		12.7 ^j					11.532 (21)	11.249 (29)	11.155 (20) ^F				-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 ^F	1157	4157		13.6 ^j					12.172 (22)	11.817 (25)	11.774 (23) ^F				-15.5 (3.8)	-9.2 (3.8)	-18 (7.4)	-12.9 (7.5)	1.1	-1.01	
977	21:35:23.46	57:31:28.1 ^F	1158	425		10.1 ^j					9.796 (23)	9.584 (28)	9.504 (21) ^F	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 ^F	1159	4159		11.6 ^j					10.477 (23)	10.256 (28)	10.162 (23) ^F				-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 ^F	1160	4160		14 ^j					10.225 (23)	9.319 (27)	9.077 (21) ^F				-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 ^F	1161	4161		13.3 ^j					11.492 (25)	11.182 (32)	11.067 (25) ^F				-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	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s						mag	mag	mag	mag	mag	mag		mag	PPMXL		UCAC3		MVA			
																mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
981	21:35:59.08	57:33:03.7 ^T	1162	4162				13.7 ^J				11.835 (23)	11.459 (28)	11.331 (24) ^F		-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 ^T	1163	4163				14.3 ^J				11.765 (0)	11.343 (0)	11.193 (0) ^F		-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 ^T	1164	4164				14.2 ^J				12.018 (0)	11.459 (0)	11.385 (32) ^F		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 ^T	1165	4165				14.4 ^J				10.579 (22)	9.655 (28)	9.394 (22) ^F		-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 ^T	1166	424				11.7 ^J				10.188 (21)	9.872 (29)	9.579 (21) ^F		-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 ^T	1167	4167				13.5 ^J				10.561 (23)	9.850 (27)	9.663 (21) ^F		-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 ^T	1168	4168				12 ^J				10.785 (25)	10.588 (27)	10.497 (21) ^F		-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 ^T	1169	4169				12.8 ^J				9.449 (23)	8.603 (27)	8.328 (24) ^F		-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 ^T	1170	4170				12.7 ^J				9.690 (23)	8.958 (28)	8.738 (21) ^F		-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 ^T	1171	4171				12.6 ^J				11.240 (25)	10.942 (27)	10.863 (24) ^F		-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 ^T	1172	4172				11.9 ^J				9.054 (23)	8.431 (27)	8.202 (23) ^F		-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 ^T	1173	4173				13 ^J				11.665 (24)	10.973 (28)	10.224 (20) ^F		-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 ^T	1174	4174				12.4 ^J				11.550 (25)	11.426 (33)	11.368 (25) ^F		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 ^T	1175	4175				14.2 ^J				12.298 (24)	11.953 (29)	11.840 (24) ^F		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 ^T	1176	4176				12.6 ^J				11.032 (24)	10.647 (29)	10.558 (21) ^F		-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 ^T	1177	4177				13.4 ^J				11.657 (26)	11.270 (29)	11.175 (20) ^F		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 ^T	1178	4178				12.8 ^J				11.622 (28)	11.245 (31)	11.152 (23) ^F		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 ^T	1179	4179				14.7 ^J				12.361 (22)	11.908 (29)	11.803 (24) ^F		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 ^T	1180	5058			15.77 ^F	14.61 ^E				12.664 (24)	12.300 (29)	12.180 (21) ^F	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 ^T	1181	4181				14.5 ^J				12.518 (24)	12.164 (31)	12.051 (28) ^F		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 ^T	1182	4182				14.5 ^J				12.691 (22)	12.249 (32)	12.152 (24) ^F		-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 ^T	1183	703				12.5 ^J				11.195 (22)	10.936 (28)	10.831 (21) ^F	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 ^T	1184	4184				14.3 ^J				12.663 (26)	12.268 (31)	12.165 (24) ^F		-15.9 (3.8)	-23 (3.8)	-5.9 (7.5)	-25.5 (7.6)				
1004	21:35:05.91	57:44:24.0 ^T	1185	4185				10.3 ^J				9.140 (24)	9.062 (29)	8.926 (21) ^F		-0.9 (2)	5.3 (2)	-5.5 (0.6)	-3.8 (0.7)	0.23	-0.79		
1005	21:35:11.37	57:46:08.1 ^T	1186	4186				12.1 ^J				11.192 (43)	11.045 (33)	10.948 (24) ^F		-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 ^T	1186	4186				12.1 ^J				12.306 (32)	11.108 (76)	10.667 (44) ^F				0.1 (1.4)	-1.4 (9.4)	-0.31	-0.65	2x[r]	
1007	21:36:02.73	57:45:33.7 ^T	1188	705				10.7 ^J				7.858 (20)	7.159 (31)	6.979 (18) ^F	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 ^T	1189	4189				14.3 ^J				11.724 (26)	11.208 (31)	11.085 (23) ^F		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 ^T	1190	4190				14.5 ^J				12.306 (24)	11.884 (29)	11.750 (21) ^F		1.6 (4)	-6.6 (4)	-0.1 (7.5)	-10.5 (7.4)				
1010	21:35:52.37	57:52:03.8 ^T	1191	704				11.1 ^J				9.930 (22)	9.573 (28)	9.499 (21) ^F	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 ^T	1192	4192				12.2 ^J				11.108 (23)	10.962 (28)	10.867 (27) ^F		-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 ^T	1193	4193				14.1 ^J				12.045 (29)	11.692 (28)	11.572 (27) ^F		10.7 (3.8)	-5.3 (3.8)	1.3 (7.7)	-26 (7.7)				
1013	21:34:58.50	57:54:51.0 ^T	1194	4194				12.2 ^J				11.186 (23)	11.040 (26)	10.927 (25) ^F		-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 ^T	1195	4195				14.4 ^J				12.342 (25)	12.047 (32)	11.914 (27) ^F		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 ^T	1196	4196				14.5 ^J				12.484 (26)	11.953 (31)	11.808 (28) ^F		43.4 (3.8)	53 (3.8)	33.3 (8)	51 (8)				
1016	21:35:27.65	57:57:16.5 ^T	1197	4197				13.1 ^J				11.713 (23)	11.508 (27)	11.439 (23) ^F		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 ^T	1198	4198				13.8 ^J				10.593 (23)	9.844 (26)	9.625 (21) ^F		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 ^T	1199	4199				13.4 ^J				11.758 (23)	11.333 (28)	11.200 (26) ^F		-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 ^T	1200	4200				13.7 ^J				11.891 (23)	11.556 (28)	11.458 (25) ^F		-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 ^T	1201	4201				12.7 ^J				11.545 (25)	11.269 (30)	11.213 (26) ^F		-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 ^T	1202	4202				14.4 ^J				10.883 (24)	10.101 (29)	9.866 (22) ^F		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 ^T	1203	4203				14.4 ^J				10.641 (22)	9.731 (28)	9.462 (21) ^F		-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 ^T	1204	4204				13.1 ^J				11.532 (22)	11.187 (28)	11.085 (21) ^F		-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 ^T	1205	4205				14.6 ^J				12.760 (35)	12.425 (41)	12.289 (35) ^F		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 ^T	1206	4206				13.7 ^J				12.308 (26)	12.110 (29)	11.980 (25) ^F		-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 ^T	1207	4207				14.6 ^J				12.720 (25)	12.255 (30)	12.127 (24) ^F		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 ^T	1208	4208				13.8 ^J				12.258 (26)	11.998 (29)	11.875 (28) ^F		-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 ^T	1209	5066				14.5 ^J				10.612 (23)	9.662 (29)	9.421 (23) ^F	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 ^T	1210	4210				14.3 ^J				12.487 (24)	12.138 (32)	12.080 (26) ^F		-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 ^T	1211	4211				12.3 ^J				11.010 (26)	10.681 (0)	10.591 (0) ^F		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 ^T	1212	4212				13.4 ^J				10.470 (23)	9.764 (27)	9.563 (20) ^F		-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 ^T	1213	4213				12.1 ^J				10.860 (24)	10.702 (29)	10.589 (22) ^F		-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 ^T	1214	4																			

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004				mag	mag	mag	mag	mag		mag	PPMXL		UCAC3		MVA		[j]
	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	
1034	21:36:09.13	58:01:36.5 ^T	1215	4215					12.9 ^j			11.368 (25)	11.068 (31)	10.963 (21) ^F		-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 ^T	1216	708					11.9 ^j			10.643 (23)	10.346 (29)	10.264 (22) ^F	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 ^T	1217	4217					12.4 ^j			10.832 (24)	10.582 (29)	10.447 (22) ^F		-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 ^T	1219	4219					12.6 ^j			11.509 (23)	11.195 (30)	11.155 (21) ^F		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 ^T	1220	4220					14.3 ^j			11.179 (23)	10.526 (28)	10.352 (21) ^F		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 ^T	1221	4221					14.4 ^j			11.893 (23)	11.465 (30)	11.302 (21) ^F		-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 ^T	1222	4222					13.8 ^j			9.983 (24)	9.065 (28)	8.797 (22) ^F		-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 ^T	1223	4223					14.5 ^j			11.092 (23)	10.296 (28)	10.062 (23) ^F		1 (3.8)	1.2 (3.8)	9.2 (7.4)	-0.5 (7.5)			
1042	21:37:45.79	57:51:29.2 ^T	1224	4224					13.4 ^j			12.143 (26)	11.934 (28)	11.849 (26) ^F		-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 ^T	1225	4225					14 ^j			12.677 (29)	12.415 (30)	12.407 (26) ^F		-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 ^T	1226	711					11.5 ^j			10.678 (25)	10.527 (32)	10.430 (0) ^F	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 ^T	1227	4227					13.8 ^j			9.750 (23)	8.650 (42)	8.387 (22) ^F		-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 ^T	1228	4228					13.4 ^j			12.197 (23)	11.968 (28)	11.909 (23) ^F		-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 ^T	1229	4229					14.5 ^j			13.075 (25)	12.867 (38)	12.801 (38) ^F		-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 ^T	1230	4230					14.4 ^j			11.210 (21)	10.494 (30)	10.218 (26) ^F		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 ^T	1231	4231					14.4 ^j			11.716 (21)	11.071 (30)	10.889 (26) ^F		-15.9 (3.8)	-8.4 (3.8)	-18 (7.9)	-11.1 (7.3)			
1050	21:37:47.40	57:55:21.8 ^T	1232	4232					13.3 ^j			11.513 (22)	11.040 (30)	10.945 (27) ^F		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 ^T	1233	4233					14.5 ^j			12.600 (24)	12.216 (33)	12.096 (31) ^F		-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 ^T	1234	4234					14.7 ^j			12.714 (25)	12.284 (36)	12.208 (32) ^F		-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 ^T	1235	4235					14.7 ^j			12.940 (24)	12.612 (35)	12.528 (34) ^F		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 ^T	1236	4236					14.3 ^j			9.851 (21)	8.809 (29)	8.445 (24) ^F		-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 ^T	1237	4237					12.2 ^j			9.991 (21)	9.381 (28)	9.211 (24) ^F		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 ^T	1238	4238					14.6 ^j			12.809 (24)	12.563 (33)	12.476 (31) ^F		-4.2 (3.8)	1 (3.8)	-10.1 (7.2)	3.3 (7.2)			
1057	21:37:47.32	57:57:39.1 ^T	1239	4239					14.3 ^j			7.796 (21)	6.668 (20)	6.188 (23) ^F		2.1 (4.7)	-0.2 (4.7)	7.1 (7.2)	-0.9 (7.3)			
1058	21:37:27.27	57:59:05.7 ^T	1240	4240					14.7 ^j			12.843 (25)	12.486 (35)	12.350 (33) ^F		-4.1 (3.8)	-7 (3.8)	-25.2 (8.2)	-24.9 (8.1)			
1059	21:37:32.59	57:59:47.1 ^T	1241	4241					14.6 ^j			12.336 (49)	11.895 (57)	11.771 (47) ^F		0.4 (7)	-0.2 (7)					
1060	21:37:44.25	57:59:40.1 ^T	1242	4242					14.7 ^j			11.548 (21)	10.847 (30)	10.657 (26) ^F		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 ^T	1243	4243					13.2 ^j			11.860 (23)	11.472 (28)	11.370 (23) ^F		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 ^T	1244	709					10.4 ^j			9.707 (23)	9.628 (28)	9.603 (23) ^F	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 ^T	1245	4245					13.7 ^j			10.575 (23)	9.953 (26)	9.748 (23) ^F		-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 ^T	1246	4246					13 ^j			11.781 (24)	11.369 (28)	11.328 (23) ^F		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 ^T	1247	4247					13 ^j			10.468 (19)	9.796 (28)	9.650 (24) ^F		-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 ^T	1248	4248					14 ^j			12.311 (21)	12.088 (30)	11.936 (27) ^F		-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 ^T	1249	4249					14.3 ^j			12.292 (29)	11.855 (48)	11.749 (30) ^F		-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 ^T	1250	4250					12.8 ^j			8.559 (26)	7.696 (38)	7.411 (18) ^F		-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 ^T	1251	4251					13.8 ^j			11.700 (23)	11.415 (32)	11.308 (27) ^F		22.7 (4.1)	-14.2 (4.1)					
1070	21:34:17.01	57:12:46.8 ^T	1253	4253					13.5 ^j			11.012 (22)	10.398 (30)	10.242 (24) ^F		52.3 (4.1)	-1.1 (4.1)	58.2 (7)	10.8 (7)			
1071	21:33:37.57	57:14:50.9 ^T	1254	4254					13.5 ^j			11.364 (22)	11.029 (26)	10.923 (22) ^F		-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 ^T	1255	4255					12.4 ^j			11.423 (22)	11.282 (29)	11.194 (27) ^F		-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 ^T	1256	4256					14.5 ^j			12.815 (31)	12.258 (49)	12.210 (36) ^F		1.4 (5.6)	-1.6 (5.6)			-0.34	0.5	near 1664
1074	21:34:27.83	57:14:12.9 ^T	1257	4257					14.11 ^j			12.291 (24)	11.757 (31)	11.636 (29) ^F		-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 ^T	1258	4258					13.6 ^j			11.634 (34)	11.296 (44)	11.179 (35) ^F		-33.7 (4.1)	-33.8 (4.1)			-1.49	0.52	
1076	21:33:37.17	57:18:08.2 ^T	1259	4259					13.9 ^j			10.358 (22)	9.556 (28)	9.341 (22) ^F		-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 ^T	1260	4260					12.5 ^j			11.070 (22)	10.862 (29)	10.747 (26) ^F		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 ^T	1261	414					9.5 ^j			8.977 (22)	8.920 (29)	8.921 (24) ^F	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 ^T	1262	416					11.8 ^j			10.910 (23)	10.642 (31)	10.550 (26) ^F	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 ^T	1263	4263					14.3 ^j			10.221 (22)	9.293 (29)	9.049 (24) ^F		-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 ^T	1264	4264					13 ^j			11.567 (28)	11.454 (43)	11.292 (36) ^F		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 ^T	1265	4265					12 ^j			10.512 (24)	10.174 (26)	10.049 (22) ^F		-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 ^T	1266	4266					12.5 ^j			11.019 (22)	10.813 (29)	10.713 (26) ^F		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 ^T	1267	4267					14.1 ^j			12.148 (24)	11.760 (31)	11.624 (27) ^F						0.35	-0.18	
1085	21:34:25.34	57:18:44.4 ^T	1268	4268					13.5 ^j			11.869 (23)	11.678 (33)	11.573 (28) ^F		-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 ^T	1269	4269					13.9 ^j			11.897 (23)	11.364 (29									

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	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments		
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004			mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	mas/yr	MVA [j]		
																							RA [m] wrong	
1087	21:34:33.78	57:19:54.4 ^T	1270	420				11.2 ^j				10.705 (24)	10.607 (26)	10.577 (23) ^F	A0 ^q	13.4 (2)	-1.5 (2)	5 (1.3)	0.9 (0.9)	-1.11	0.64			
1088	21:33:39.65	57:22:50.3 ^T	1271	4271				12.2 ^j				10.070 (24)	9.450 (28)	9.296 (20) ^F		-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 ^T	1272	417				10.3 ^j				9.519 (22)	9.436 (28)	9.334 (20) ^F	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 ^T	1273	4273				14.3 ^j				12.391 (24)	12.008 (27)	11.929 (23) ^F		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 ^T	1274	4274				13.1 ^j				10.411 (24)	9.763 (28)	9.555 (21) ^F		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 ^T	1275	4275				13.7 ^j				11.219 (46)	10.641 (46)	10.333 (0) ^T		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 ^T	1276	4276				14.1 ^j				12.125 (26)	11.767 (29)	11.627 (23) ^F		-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 ^T	1277	419				11 ^j				10.385 (24)	10.271 (27)	10.249 (23) ^F	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 ^T	1278	4278				14.6 ^j				12.750 (24)	12.382 (28)	12.282 (24) ^F		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 ^T	1279	4279				14.6 ^j				12.604 (22)	12.084 (28)	11.992 (24) ^F		-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 ^T	1280	4280				13 ^j				11.787 (24)	11.457 (27)	11.401 (23) ^F		-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 ^T	1281	4281				13.5 ^j				11.954 (24)	11.701 (31)	11.608 (24) ^F		-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 ^T	1282	4282				12.6 ^j				11.160 (27)	10.848 (31)	10.776 (24) ^F		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 ^T	1283	4283				12.5 ^j				11.264 (23)	10.854 (27)	10.804 (23) ^F		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 ^T	1284	415				10.9 ^j				9.830 (24)	9.543 (26)	9.495 (21) ^F	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 ^T	1285	4285				12.7 ^j				11.234 (22)	10.919 (28)	10.800 (21) ^F		-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 ^T	1286	4286				13.6 ^j				12.035 (24)	11.736 (30)	11.642 (24) ^F		-3.3 (4)	-0.7 (4)	-11.5 (6.7)	11.8 (6.7)	0.02	-0.13			
1104	21:34:04.30	57:36:55.2 ^T	1287	4287				13.6 ^j				11.934 (22)	11.710 (27)	11.573 (23) ^F		-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 ^T	1288	413				9.8 ^j				9.035 (25)	8.959 (28)	8.956 (21) ^F	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 ^T	1289	4289				13.9 ^j				11.907 (27)	11.481 (33)	11.382 (25) ^F		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 ^T	1290	4290		13.01 ¹	11.27 ¹					7.567 (20)	6.811 (23)	6.540 (20) ^F		-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 ^T	1291	4291				12.1 ^j				10.715 (24)	10.283 (26)	10.178 (23) ^F		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 ^T	1292	4292				13.8 ^j				11.749 (22)	11.364 (26)	11.254 (20) ^F		-2.9 (4)	13.3 (4)	-5.5 (7.4)	3.5 (7.4)					
1110	21:34:21.19	57:41:25.7 ^T	1294	4294				14.2 ^j				10.411 (21)	9.590 (29)	9.347 (22) ^F		-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 ^T	1295	418				10 ^j				8.031 (26)	7.491 (23)	7.413 (24) ^F	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 ^T	1298	4298				11.9 ^j				9.530 (22)	8.852 (26)	8.724 (22) ^F		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 ^T	1299	4299				13.4 ^j				12.023 (55)	11.811 (31)	11.697 (26) ^F		-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	57:14:03.3 ^T	1300	4300				13.4 ^j				10.597 (24)	9.845 (26)	9.725 (22) ^F		-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 ^T	1302	4302				12.8 ^j				10.102 (24)	9.318 (29)	9.154 (21) ^F		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 ^T	1303	4303				12.9 ^j				11.348 (26)	11.035 (28)	10.944 (23) ^F		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 ^T	1304	4304				12.1 ^j				11.161 (22)	10.932 (26)	10.842 (21) ^F		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 ^T	1305	4305				12.2 ^j				11.443 (24)	11.287 (28)	11.236 (21) ^F		-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 ^T	1306	4306				14.4 ^j				11.265 (22)	10.541 (26)	10.332 (21) ^F		-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 ^T	1307	4307				13.1 ^j				10.223 (22)	9.490 (28)	9.292 (21) ^F		-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 ^T	1308	4308				14.2 ^j				12.062 (22)	11.656 (29)	11.573 (23) ^F		-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 ^T	1309	4309				12.7 ^j				11.248 (24)	10.932 (28)	10.865 (25) ^F		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 ^T	1310	4310				14.2 ^j				12.661 (24)	12.426 (31)	12.286 (24) ^F		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 ^T	1311	4311				14.3 ^j				10.229 (24)	9.284 (28)	8.968 (20) ^F		-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 ^T	1312	4312		10.37 ¹	10.67 ^f	10.34 ^e				9.718 (31)	9.636 (37)	9.594 (0) ^F	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 ^T	1313	4313				12.8 ^j				7.314 (18)	6.140 (27)	5.774 (18) ^F		-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 ^T	1314	4314				12.7 ^j				10.465 (22)	9.849 (29)	9.690 (20) ^F		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 ^T	1315	423				10.3 ^j				8.273 (30)	7.763 (53)	7.599 (20) ^F	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 ^T	1316	4316				13.5 ^j				12.145 (24)	11.857 (32)	11.768 (25) ^F		-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 ^T	1317	4317				13 ^j				11.638 (22)	11.271 (31)	11.208 (22) ^F		-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 ^T	1318	4318		12.20 ¹	12.04 ¹	11.66 ¹				10.727 (24)	10.639 (29)	10.571 (23) ^F		-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 ^T	1319	4319				14.4 ^j				12.636 (22)	12.326 (28)	12.207 (23) ^F		-8.1 (4.1)	1.7 (4.1)	-9.5 (6.7)	0.4 (6.8)	-0.07	-0.01			
1134	21:35:26.72	57:22:00.0 ^T	1320	4320				14.4 ^j				12.585 (23)	12.164 (27)	12.099 (24) ^F		-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 ^T	1321	4321				13.3 ^j				11.831 (22)	11.404 (31)	11.287 (23) ^F		-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 ^T	1322	428				10.1 ^j				9.222 (22)	8.968 (26)	8.970 (20) ^F	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 ^T	1323	429				10.6 ^j				9.473 (23)	9.307 (27)	9.215 (20) ^F	B8 ^q	-10.7 (1.7)	-5.6 (1.7)	-4.3 (1						

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	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	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		
1140	21:35:01.00	57:26:37.0 ^F	1326	4326				13.2 ^j				11.688 (26)	11.384 (31)	11.246 (25) ^F			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 ^F	1327	4327				14.2 ^j				12.530 (25)	12.193 (28)	12.111 (26) ^F			-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 ^F	1328	427		8.23 ^l	8.78 ^l	8.41 ^l				7.544 (19)	7.539 (46)	7.489 (18) ^F	B0.5P VP		-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 ^F	1329	4329				12.7 ^j				9.765 (23)	8.984 (27)	8.789 (21) ^F			-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 ^F	1330	4330				14.3 ^j				10.640 (23)	9.826 (27)	9.560 (21) ^F			-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 ^F	1331	431		9.85 ^l	9.84 ^l	9.42 ^l				8.810 (27)	8.648 (27)	8.636 (23) ^F	F3P 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 ^F	1332	432				9.5 ^j				8.364 (27)	8.177 (42)	8.170 (31) ^F	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 ^F	1333	4333				14.6 ^j				12.749 (26)	12.414 (33)	12.308 (28) ^F			-2.7 (5.5)	0.9 (5.5)						
1148	21:34:40.73	57:31:08.9 ^F	1334	4334				13.9 ^j				11.949 (22)	11.561 (31)	11.446 (22) ^F			-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 ^F	1335	4335				13.11 ^j				11.997 (24)	11.678 (28)	11.602 (25) ^F			-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 ^F	1336	422				11.2 ^j				10.543 (24)	10.473 (26)	10.455 (22) ^F	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 ^F	1337	4337				13.7 ^j				10.458 (24)	9.600 (27)	9.340 (20) ^F			1.1 (4.7)	1.1 (4.7)	13.9 (6.8)	16.7 (6.8)	0.25	0.26		
1152	21:34:33.03	57:40:41.1 ^F	1338	4338				14.1 ^j				12.417 (24)	11.953 (28)	11.942 (23) ^F			-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 ^F	1340	4340				10.9 ^j				10.095 (22)	9.924 (29)	9.879 (21) ^F			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 ^F	1341	4341				11.6 ^j				10.459 (22)	10.051 (28)	9.955 (21) ^F			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 ^F	1342	4342				12 ^j				10.499 (23)	10.172 (27)	10.047 (20) ^F			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 ^F	1344	4344				14.2 ^j				12.109 (22)	11.794 (31)	11.656 (24) ^F			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 ^F	1345	4345				14.5 ^j				12.512 (24)	12.212 (31)	12.137 (25) ^F			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 ^F	1346	4346				12.7 ^j				11.366 (22)	11.023 (28)	10.934 (21) ^F			-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 ^F	1347	4347				14.5 ^j				10.479 (23)	9.585 (27)	9.288 (20) ^F			-1.2 (5.1)	-7.8 (5.1)	-6 (6.8)	-0.1 (6.8)				
1160	21:35:50.57	56:59:48.9 ^F	1348	4348				14.2 ^j				12.576 (24)	12.429 (28)	12.278 (23) ^F			-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 ^F	1349	4349				13.3 ^j				10.186 (22)	9.440 (28)	9.212 (21) ^F			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 ^F	1350	4350				14.6 ^j				11.219 (24)	10.516 (29)	10.263 (21) ^F			-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 ^F	1351	4351				12.3 ^j				9.680 (23)	9.060 (27)	8.862 (21) ^F			-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 ^F	1352	4352				13 ^j				10.153 (24)	9.497 (29)	9.265 (21) ^F			-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 ^F	1353	4353				14.2 ^j				12.145 (25)	11.819 (33)	11.743 (26) ^F			-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 ^F	1354	4354				10.7 ^j				9.781 (24)	9.684 (28)	9.597 (20) ^F			-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 ^F	1355	4355				14.5 ^j				12.529 (22)	12.176 (32)	12.080 (25) ^F			-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 ^F	1356	4356				14.3 ^j				11.021 (22)	10.236 (29)	10.023 (20) ^F			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 ^F	1357	4357				13.1 ^j				11.797 (0)	11.596 (34)	11.486 (29) ^F			-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 ^F	1357	4357				13.1 ^j				13.864 (55)	12.006 (0)	11.956 (0) ^F				-5.4 (2)	-1.4 (3.4)	-0.01	0.06	2x[r]		
1171	21:36:19.66	57:03:31.4 ^F	1358	4358				14.5 ^j				12.454 (24)	12.162 (28)	12.013 (25) ^F			-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 ^F	1359	4359				12.8 ^j				11.368 (22)	11.161 (27)	11.065 (23) ^F			-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 ^F	1360	158				10 ^j				8.682 (23)	8.299 (44)	8.293 (0) ^F	dK0 ^q		-84 (2)	61.2 (2)	-83 (0.7)	64 (0.7)			[j] imprec.	
1174	21:35:50.78	57:06:08.2 ^F	1361	4361				13.1 ^j				11.414 (24)	11.042 (31)	10.818 (21) ^F			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 ^F	1362	4362				14.8 ^j				12.853 (24)	12.453 (32)	12.345 (25) ^F			-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 ^F	1363	4363				13.9 ^j				10.807 (22)	10.072 (27)	9.878 (21) ^F			-5.9 (5.1)	0.2 (5.1)	-27.3 (6.9)	-0.8 (7)	0.03	-0.05	no star	
1177	21:35:47.63	57:07:05.2 ^j	1364	4364				14.3 ^j																
1178	21:35:52.56	57:07:46.0 ^F	1365	4365				12.2 ^j				9.584 (27)	8.594 (78)	8.380 (69) ^F			-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 ^F	1366	4366				14.6 ^j				13.124 (26)	12.893 (30)	12.841 (31) ^F			-5 (4.1)	-0.3 (4.1)	-6.9 (6.8)	-8.2 (6.8)				
1180	21:36:18.59	57:07:28.1 ^F	1367	4367				14.5 ^j				11.461 (22)	10.810 (28)	10.611 (20) ^F			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 ^F	1368	4368				14.8 ^j				12.863 (39)	12.542 (44)	12.424 (36) ^F			-19.9 (4.1)	5.8 (4.1)						
1182	21:35:36.71	57:08:21.4 ^F	1370	4370				13.11 ^j				11.633 (26)	11.385 (29)	11.222 (23) ^F			-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 ^F	1371	4371				14.4 ^j				10.914 (24)	10.194 (29)	9.922 (21) ^F			-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 ^F	1372	4372				14.2 ^j				12.366 (22)	12.086 (31)	11.970 (25) ^F			-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 ^F	1373	4373				12.8 ^j				10.415 (22)	9.806 (27)	9.629 (20) ^F			-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 ^F	1375	4375				14.6 ^j				11.605 (22)	10.850 (26)	10.689 (21) ^F			-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 ^F	1376	4376				14.6 ^j				13.083 (22)	12.809 (27)	12.832 (33) ^F			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 ^F	1378	4378				12.2 ^j				8.438 (20)	7.492 (57)	7.141 (23) ^F			-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 ^F	1379	4379				14.3 ^j				12.945 (22)	12.665 (33)	12.626 (26) ^F			-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 ^F	1380	4380				13.2 ^j				11.870 (0)	11.641 (30)	11.567 (24) ^F			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 ^F	1381	4381				13 ^j				11.492 (22)	10.960 (28)	10.896 (20) ^F			20.9 (4.1)	25.1 (4.1)	19.8 (7)	27.5 (7)	-3.03	2.89		
1192																								

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	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s							mag	mag	mag	mag	mag		mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
		J2000														PPMXL		UCAC3		MVA	[j]	
1193	21:36:58.02	56:56:14.3 ^T	1383	4383					14.4 ^j			12.576 (24)	12.296 (30)	12.195 (24) ^T		-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 ^T	1384	4384					12.9 ^j			9.979 (22)	9.198 (26)	8.998 (20) ^T		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 ^T	1385	4385					13 ^j			15.080 (68)	14.301 (66)	14.243 (82) ^T				-35.5 (7.1)	22.4 (7)	0.21	-0.6	2x[r] (faint)
1196	21:37:39.02	56:55:09.3 ^T	1385	4385					13 ^j			11.517 (26)	11.152 (32)	11.050 (24) ^T		-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 ^T	1386	4386					11.5 ^j			8.632 (23)	7.875 (49)	7.627 (21) ^T		-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 ^T	1387	4387					14.2 ^j			10.990 (23)	10.405 (31)	10.217 (18) ^T		-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 ^T	1388	4388					10.6 ^j			9.157 (29)	8.925 (30)	8.934 (20) ^T		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 ^T	1389	4389					12.1 ^j			7.075 (20)	5.962 (36)	5.552 (20) ^T		-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 ^T	1391	4391					13.6 ^j			12.080 (22)	11.774 (27)	11.742 (25) ^T		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 ^T	1392	4392					10 ^j			8.591 (27)	8.230 (29)	8.240 (23) ^T		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 ^T	1393	4393					14.3 ^j			12.169 (24)	11.831 (32)	11.729 (20) ^T		-8.6 (4)	0.9 (4)	0.3 (6.8)	14.8 (6.8)	0.49	-0.15	
1204	21:36:37.59	57:00:57.3 ^T	1394	4394					13.8 ^j			7.933 (21)	6.827 (27)	6.365 (24) ^T		-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 ^T	1395	4395					13 ^j			11.417 (24)	10.964 (31)	10.827 (21) ^T		40 (18.4)	-38.7 (18.4)			-2.4	2.14	
1206	21:37:34.16	57:01:57.7 ^T	1396	4396					11.5 ^j			8.588 (23)	7.741 (31)	7.515 (16) ^T		-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 ^T	1397	4397					12.6 ^j			11.383 (27)	11.059 (31)	10.984 (25) ^T		-8.1 (4.1)	10.1 (4.1)			0.16	0.49	
1208	21:37:53.02	57:01:33.7 ^T	1398	4398					13.3 ^j			9.083 (21)	8.096 (80)	7.755 (29) ^T		-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 ^T	1399	4399					14.6 ^j			13.281 (26)	13.008 (34)	12.918 (34) ^T		-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 ^T	1400	4400					12.7 ^j			10.246 (21)	9.664 (30)	9.527 (18) ^T		-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 ^T	1401	4401					13.2 ^j			12.068 (27)	11.920 (33)	11.887 (28) ^T		-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 ^T	1402	4402					11.8 ^j			7.207 (21)	6.159 (20)	5.789 (17) ^T		-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 ^T	1403	4403					12.2 ^j			8.555 (19)	7.579 (18)	7.310 (16) ^T		-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 ^T	1404	4404					13.2 ^j			12.012 (26)	11.815 (36)	11.721 (29) ^T		-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 ^T	1405	4405					13.7 ^j			11.680 (22)	11.260 (27)	11.146 (21) ^T		-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 ^T	1406	4406					13.3 ^j			9.124 (24)	8.064 (51)	7.721 (26) ^T		-4 (5.1)	-4.9 (5.1)	-10.7 (7)	4.4 (7)	0.02	-0.16	
1217	21:37:12.37	57:03:28.4 ^T	1407	4407					12.9 ^j			11.670 (31)	11.362 (46)	11.275 (38) ^T		-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 ^T	1408	4408					10.9 ^j			8.317 (29)	7.645 (24)	7.476 (23) ^T		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 ^T	1409	4409					14.6 ^j			12.481 (26)	12.036 (32)	11.924 (28) ^T		-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 ^T	1410	4410					14.3 ^j			12.729 (26)	12.378 (31)	12.253 (29) ^T		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 ^T	1411	4411					12.7 ^j			11.555 (24)	11.298 (30)	11.240 (23) ^T		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 ^T	1412	4412					14.7 ^j			10.656 (24)	9.597 (26)	9.366 (21) ^T		0 (5.1)	-1.2 (5.1)	-4.2 (6.8)	-1.9 (6.8)			
1223	21:37:45.16	57:04:30.2 ^T	1413	4413					14 ^j			12.547 (24)	12.219 (28)	12.113 (23) ^T		-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 ^T	1414	4414					13.5 ^j			12.062 (22)	11.761 (30)	11.662 (21) ^T		-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 ^T	1415	4415					13.3 ^j			11.980 (24)	11.805 (30)	11.707 (23) ^T		-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 ^T	1416	4416					14.1 ^j			12.356 (24)	12.061 (28)	11.937 (21) ^T		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 ^T	1418	4418					13.8 ^j			11.545 (24)	10.900 (26)	10.798 (21) ^T		-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 ^T	1419	4419					14.7 ^j			12.662 (27)	12.238 (32)	12.158 (28) ^T		-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 ^T	1420	166					10.3 ^j			7.712 (34)	7.080 (31)	6.934 (33) ^T	G8 ^d	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 ^T	1421	4421					11.9 ^j			8.882 (26)	8.110 (26)	7.839 (21) ^T		-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 ^T	1422	4422					13.4 ^j			11.516 (24)	11.082 (28)	10.984 (21) ^T		-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 ^T	1423	4423					14.3 ^j			10.895 (24)	10.073 (27)	9.820 (21) ^T		-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 ^T	1425	4425					13.3 ^j			11.214 (26)	10.665 (32)	10.558 (19) ^T		-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 ^T	1426	4426					14.2 ^j			12.297 (24)	12.020 (31)	11.856 (18) ^T		-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 ^T	1427	4427					12.4 ^j			9.072 (26)	8.191 (38)	7.910 (21) ^T		-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 ^T	1428	4428					11.5 ^j			8.566 (21)	7.749 (29)	7.558 (20) ^T		-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 ^T	1429	4429					13.9 ^j			12.501 (24)	12.182 (28)	12.112 (24) ^T		-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 ^T	1431	4431					13 ^j			11.657 (29)	11.392 (32)	11.281 (23) ^T		-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 ^T	1434	4434					14.2 ^j			11.491 (21)	10.859 (27)	10.680 (20) ^T		-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 ^T	1436	4436					13.9 ^j			11.607 (23)	11.123 (33)	10.996 (24) ^T		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 ^T	1437	4437					13.1 ^j			12.007 (21)	11.542 (29)	11.541 (18) ^T		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 ^T	1438	4438					13.3 ^j			12.285 (24)	12.049 (32)	11.973 (26) ^T						-0.05	-0.21	
1244	21:38:26.21	56:58:18.8 ^T	1439	4439					12.8 ^j			10.227 (54)	9.799 (38)	9.612 (18) ^T						0.39	0.29	
1245	21:38:25.76	56:58:36.8 ^T	1441	4441					12.6 ^j			11.504 (36)	11.159 (40)	11.114 (30) ^T						-1.58	1.35	

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	MVA	[j]
1246	21:38:34.22	56:58:49.1 ^T	1442	4442		14.1 ^j		14.1 ^j			10.645 (21)	9.823 (30)	9.621 (20) ^F			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 ^T	1443	4443		13.1 ^j		13.1 ^j			11.878 (24)	11.432 (27)	11.364 (23) ^F			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 ^T	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) ^F	B2P IV-VP		-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 ^T	1445	4445		11.9 ^j		11.9 ^j			9.222 (26)	8.467 (31)	8.269 (23) ^F			-2.1 (5.1)	4 (5.1)			0.12	0.14	
1250	21:39:12.41	56:55:51.9 ^T	1446	4446		12 ^j		12 ^j			10.766 (23)	10.472 (31)	10.408 (23) ^F			-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 ^T	1447	4447		14.5 ^j		14.5 ^j			13.089 (23)	12.930 (36)	12.785 (20) ^F			-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 ^T	1448	4448		14.1 ^j		14.1 ^j			12.083 (23)	11.710 (33)	11.541 (20) ^F			-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 ^T	1449	4449		14.5 ^j		14.5 ^j			10.160 (21)	9.175 (31)	8.869 (20) ^F			-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 ^T	1450	4450		13.7 ^j		13.7 ^j			9.803 (21)	8.934 (30)	8.663 (20) ^F			-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 ^T	1451	4451		14.3 ^j		14.3 ^j			12.870 (23)	12.653 (29)	12.584 (20) ^F			-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 ^T	1452	4452		13.9 ^j		13.9 ^j			12.000 (21)	11.767 (31)	11.577 (24) ^F			-3.5 (4)	-5.3 (4)			0.23	0.03	
1257	21:38:24.37	57:02:08.8 ^T	1453	4453		13.6 ^j		13.6 ^j			11.595 (21)	11.251 (29)	11.114 (18) ^F			-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 ^T	1454	4454		13.5 ^j		13.5 ^j			11.848 (29)	11.544 (40)	11.418 (31) ^F			-29.2 (4)	-15.6 (4)			0.04	-0.67	2x[r]
1259	21:38:23.00	57:02:28.2 ^T	1454	4454		13.5 ^j		13.5 ^j			14.092 (44)	13.650 (47)	13.480 (54) ^F			261.1 (9.4)	-76.7 (9.4)			0.04	-0.67	2x[r] (faint)
1260	21:38:39.84	57:02:57.7 ^T	1455	4455		14.1 ^j		14.1 ^j			10.861 (23)	10.132 (31)	9.908 (22) ^F			-4.6 (6.5)	-1.2 (7.2)			0.1	0.21	2x[r]
1261	21:38:40.34	57:02:53.7 ^T	1455	4455		14.1 ^j		14.1 ^j			14.670 (82)	14.185 (92)	14.032 (114) ^F			-16.6 (5.3)	14.6 (5.3)			0.1	0.21	2x[r] (faint)
1262	21:38:14.86	57:03:04.8 ^T	1456	4456		14.2 ^j		14.2 ^j			11.315 (21)	10.694 (29)	10.453 (18) ^F			-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 ^T	1457	4457		14.5 ^j		14.5 ^j			12.509 (24)	12.338 (37)	12.114 (20) ^F			1.1 (4)	-0.6 (4)	-3.7 (6.8)	-4.6 (6.8)	-0.74	0.46	
1264	21:38:04.10	57:05:16.9 ^T	1458	4458		13.1 ^j		13.1 ^j			10.283 (23)	9.585 (31)	9.348 (18) ^F			-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 ^T	1459	169	10.77 ^h	10.35 ^h					9.289 (26)	9.052 (30)	8.993 (19) ^F	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 ^T	1461	4461		14.7 ^j		14.7 ^j			10.641 (26)	9.619 (30)	9.294 (19) ^F			-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 ^T	1462	4462		12.1 ^j		12.1 ^j			11.594 (24)	11.310 (30)	11.231 (19) ^F			-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 ^T	1463	4463		13 ^j		13 ^j			11.682 (24)	11.229 (30)	11.162 (19) ^F			-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 ^T	1464	4464		13.3 ^j		13.3 ^j			11.963 (24)	11.737 (30)	11.602 (23) ^F			-1.4 (4)	-3.6 (4)	9.8 (7)	1.5 (7)	0	-0.04	
1270	21:38:16.36	57:10:11.6 ^T	1465	168	11.7 ^f	11.5 ^e					9.988 (24)	9.919 (29)	9.888 (18) ^F	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 ^T	1466	4466		12.2 ^j		12.2 ^j			10.695 (29)	10.274 (31)	10.184 (18) ^F			-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 ^T	1467	172		14.5 ^j		14.5 ^j			5.640 (34)	4.835 (47)	4.494 (0) ^T	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 ^T	1468	4468		9.5 ^j		9.5 ^j			12.837 (27)	12.533 (33)	12.435 (30) ^F			-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 ^T	1469	4469		13.5 ^j		13.5 ^j			12.219 (23)	11.935 (29)	11.868 (23) ^F			-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 ^T	1470	4470		13.6 ^j		13.6 ^j			9.177 (23)	8.062 (49)	7.715 (21) ^F			14.2 (13)	3 (13)			0.05	0.29	
1276	21:38:47.70	57:07:15.7 ^T	1471	4471		13.4 ^j		13.4 ^j			11.601 (26)	11.269 (31)	11.141 (23) ^F			-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 ^T	1472	4472		13.5 ^j		13.5 ^j			11.981 (22)	11.666 (29)	11.539 (25) ^F			-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 ^T	1473	4473		14.2 ^j		14.2 ^j			12.405 (34)	12.048 (45)	11.922 (35) ^F			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 ^T	1474	4474		13.1 ^j		13.1 ^j			10.507 (26)	9.762 (28)	9.574 (20) ^F			-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 ^T	1475	4475		13.7 ^j		13.7 ^j			10.854 (24)	10.156 (27)	10.005 (19) ^F			-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 ^T	1476	4476		13.2 ^j		13.2 ^j			10.433 (26)	9.685 (28)	9.525 (22) ^F			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 ^T	1477	4477		12.1 ^j		12.1 ^j			11.269 (26)	11.094 (28)	11.015 (22) ^F			-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 ^T	1478	4478		11.9 ^j		11.9 ^j			11.160 (24)	11.004 (30)	10.903 (20) ^F			-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 ^T	1479	4479		12.7 ^j		12.7 ^j			11.406 (24)	11.132 (27)	10.999 (18) ^F			-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 ^T	1480	4480		13.1 ^j		13.1 ^j			11.579 (26)	11.224 (31)	11.102 (25) ^F			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 ^T	1481	4481		13.6 ^j		13.6 ^j			11.898 (24)	11.526 (28)	11.436 (23) ^F			-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 ^T	1482	4482		11.5 ^j		11.5 ^j			11.053 (26)	10.987 (32)	10.875 (18) ^F			-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 ^T	1483	4483		12.7 ^j		12.7 ^j			14.850 (46)	9.856 (0)	9.238 (0) ^T			-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 ^T	1483	4483		12.7 ^j		12.7 ^j			8.299 (19)	7.265 (33)	6.880 (27) ^F			-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 ^T	1484	4484		12.7 ^j		12.7 ^j			10.511 (26)	9.880 (28)	9.698 (20) ^F			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 ^T	1485	4485		13.5 ^j		13.5 ^j			12.316 (29)	12.084 (32)	11.923 (26) ^F			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 ^T	1486	4486		13.3 ^j		13.3 ^j			12.192 (24)	11.992 (31)	11.892 (23) ^F			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 ^T	1487	4487		12.6 ^j		12.6 ^j			11.272 (35)	10.956 (43)	10.893 (34) ^F			5.5 (4)	17.2 (4)	0.7 (1.8)	-2.9 (2.4)	-0.37	0.05	
1294	21:39:30.68	56:59:10.5 ^T	1488	4488		14.3 ^j		14.3 ^j			11.829 (24)	11.414 (28)	10.926 (20) ^F			-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 ^T	1489	4489		12.6 ^j		12.6 ^j			11.132 (24)	10.612 (30)	10.493 (19) ^F			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																				

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT	Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s		DA	2004			mag	mag	mag	mag	mag	mag			mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
																	PPMXL		UCAC3		MVA	[j]	
1299	21:39:21.84	57:00:31.7 ^T	1492	4492				12.3 ^j				10.770 (26)	10.547 (28)	10.461 (25) ^T			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 ^T	1493	4493				14 ^j				10.529 (23)	9.675 (28)	9.445 (23) ^T			-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 ^T	1494	4494				14.5 ^j				12.355 (23)	12.047 (28)	11.875 (19) ^T			-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 ^T	1495	4495				12.9 ^j				11.271 (23)	10.872 (26)	10.786 (20) ^T			-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 ^T	1496	4496				10.9 ^j				8.808 (41)	8.262 (29)	8.114 (21) ^T			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 ^T	1497	4497				13.5 ^j				10.794 (26)	10.095 (30)	9.844 (20) ^T			-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 ^T	1498	4498				14.3 ^j				11.073 (24)	10.366 (30)	10.096 (20) ^T			-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 ^T	1499	4499				13.2 ^j				10.338 (24)	9.580 (27)	9.401 (20) ^T			-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 ^T	1500	4500				13.6 ^j				12.000 (38)	11.648 (38)	11.533 (0) ^T			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 ^T	1501	4501				14.3 ^j				11.220 (26)	10.423 (28)	10.259 (20) ^T			-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 ^T	1502	4502				14 ^j				12.434 (27)	12.041 (27)	11.962 (22) ^T			-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 ^T	1503	4503				13.1 ^j				11.814 (32)	11.556 (43)	11.492 (22) ^T			-3.3 (5.9)	0.9 (5.9)			-1.36	0.67	
1311	21:39:57.99	57:02:21.3 ^T	1504	4504				13.2 ^j				11.858 (23)	11.674 (27)	11.528 (20) ^T							0.02	0.14	
1312	21:40:12.02	57:01:05.4 ^T	1505	4505				14 ^j				9.912 (26)	8.906 (28)	8.605 (20) ^T			-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 ^T	1506	4506				11.9 ^j				10.722 (26)	10.455 (30)	10.307 (20) ^T			-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 ^T	1507	4507				12.2 ^j				11.239 (23)	11.074 (29)	11.000 (20) ^T			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 ^T	1508	4508				14.4 ^j				9.700 (22)	8.656 (26)	8.294 (26) ^T							0.12	0.07	
1316	21:39:28.12	57:03:32.9 ^T	1509	4509				13.4 ^j				11.403 (26)	10.917 (32)	10.873 (30) ^T			-13.2 (4)	-20.5 (4)			1.07	-2.72	
1317	21:39:37.94	57:04:03.2 ^T	1510	4510	13.91 ¹	13.42 ¹		12.56 ¹				10.387 (21)	10.070 (30)	9.921 (22) ^T			-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 ^T	1511	4511				14.3 ^j				12.709 (23)	12.394 (33)	12.311 (30) ^T			-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 ^T	1512	4512				14.4 ^j				12.736 (26)	12.453 (29)	12.462 (23) ^T			-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 ^T	1513	4513				14.2 ^j				12.560 (25)	12.169 (32)	12.097 (26) ^T			-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 ^T	1514	4514				14.2 ^j				11.002 (25)	10.284 (26)	10.078 (22) ^T			-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 ^T	1515	4515				14.5 ^j				12.720 (27)	12.437 (32)	12.294 (28) ^T							-0.44	0.31	near 1322
1323	21:39:14.15	57:04:46.1 ^T	1516	4516				14.2 ^j				12.348 (52)	11.990 (61)	11.871 (0) ^T			-6.2 (4)	54.5 (4)			0.25	-0.26	near 1321
1324	21:39:18.52	57:05:40.1 ^T	1517	4517				13.4 ^j				12.056 (22)	11.717 (26)	11.610 (22) ^T			-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 ^T	1518	4518				14.4 ^j				12.530 (57)	12.211 (41)	12.083 (0) ^T			-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 ^T	1518	4518				14.4 ^j				12.949 (31)	12.158 (50)	11.946 (29) ^T							-0.36	0.05	2x[r]
1327	21:38:59.34	57:06:31.1 ^T	1519	4519				14.6 ^j				12.776 (0)	12.606 (61)	12.411 (0) ^T			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 ^T	1520	4520				13.1 ^j				10.457 (22)	9.746 (29)	9.562 (22) ^T			-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 ^T	1521	4521				13.9 ^j				12.278 (25)	11.886 (28)	11.771 (26) ^T			-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 ^T	1522	4522				14.5 ^j				11.197 (21)	10.439 (27)	10.274 (20) ^T			-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 ^T	1523	4523				14.4 ^j				10.275 (23)	9.252 (27)	8.983 (20) ^T			-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 ^T	1524	4524				13.3 ^j				9.773 (21)	8.998 (69)	8.578 (20) ^T			-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 ^T	1524	4524				13.3 ^j				13.796 (113)	10.597 (0)	10.092 (0) ^T							-0.19	0.44	2x[r] (faint)
1334	21:39:49.55	57:07:39.3 ^T	1525	4525				14.5 ^j				12.625 (21)	12.353 (28)	12.207 (26) ^T			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 ^T	1526	4526				14.6 ^j				12.812 (25)	12.514 (32)	12.400 (28) ^T			-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 ^T	1528	4528				14.8 ^j				10.345 (23)	9.272 (29)	8.975 (23) ^T			-14 (5.1)	6.8 (5.1)	-56.3 (6.9)	59.7 (6.9)			
1338	21:39:18.25	57:09:45.4 ^T	1529	176				10.5 ^j				9.536 (22)	9.346 (26)	9.332 (23) ^T	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 ^T	1530	4530				14.3 ^j				13.124 (23)	12.992 (30)	12.888 (25) ^T			-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 ^T	1531	4531				13.3 ^j				11.851 (22)	11.528 (29)	11.463 (23) ^T			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 ^T	1532	4532				12.5 ^j				11.243 (23)	10.818 (29)	10.744 (23) ^T			-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 ^T	1533	4533				13.2 ^j				11.915 (23)	11.611 (28)	11.554 (23) ^T			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 ^T	1534	4534				13.5 ^j				12.102 (23)	11.822 (31)	11.725 (23) ^T			-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 ^T	1535	179				11.6 ^j				10.880 (23)	10.778 (30)	10.690 (22) ^T	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 ^T	1537	181				11.3 ^j				10.365 (21)	10.118 (27)	10.065 (20) ^T	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 ^T	1538	4538				13.5 ^j				12.097 (21)	11.837 (30)	11.703 (22) ^T			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 ^T	1539	182				12 ^j				9.754 (26)	9.183 (31)	8.982 (19) ^T	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 ^T	1540	4540				12 ^j				9.662 (26)	9.040 (31)	8.836 (24) ^T			-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 ^T	1541	4541				13.8 ^j				11.074 (27)	10.429 (35)	10.190 (23) ^T			-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 ^T	1542																				

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	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
	hh:mm:ss.ss	dd:mm:ss.s						mag	mag	mag	mag	mag	mag		mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	mas/yr	MVA [j]
1352	21:40:29.59	57:13:09.1 ^T	1543	4543				13.8 ^j			12.299 (29)	12.029 (33)	11.911 (24) ^F			-23.8 (5.4)	-6.4 (5.4)			0.62	-0.21	
1353	21:40:30.34	57:13:26.3 ^T	1544	185				11.5 ^f			9.821 (24)	9.735 (31)	9.625 (23) ^F	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 ^T	1545	4545				12.6 ^j			11.393 (26)	10.990 (30)	10.907 (21) ^F			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 ^T	1546	4546				13.4 ^j			10.896 (24)	10.299 (31)	10.107 (21) ^F			-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 ^T	1547	4547				12.3 ^j			11.024 (26)	10.718 (31)	10.642 (23) ^F			-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 ^T	1549	4549				13.8 ^j			12.611 (26)	12.453 (31)	12.329 (28) ^F			-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 ^T	1550	4550				12.4 ^j			9.716 (24)	9.077 (30)	8.819 (19) ^F			-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 ^T	1551	4551				11 ^j			8.788 (18)	8.368 (29)	8.071 (21) ^F			-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 ^T	1552	4552				14.3 ^j			12.645 (34)	12.300 (36)	12.192 (35) ^F							0.32	0.19	
1361	21:41:05.67	57:02:20.4 ^T	1553	4553				14.4 ^j			12.745 (39)	12.434 (40)	12.332 (37) ^F			-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 ^T	1554	4554				14.2 ^j			12.789 (24)	12.487 (27)	12.441 (26) ^F			-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 ^T	1556	4556				10.2 ^j			5.477 (21)	4.741 (0)	4.277 (33) ^F			-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 ^T	1557	4557				11.7 ^j			10.867 (24)	10.673 (28)	10.676 (23) ^F			-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 ^T	1558	4558				13.4 ^j			12.075 (24)	11.866 (32)	11.749 (21) ^F			-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 ^T	1559	4559				13.8 ^j			12.689 (27)	12.521 (36)	12.424 (30) ^F			-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 ^T	1560	4560				14.6 ^j			12.524 (29)	12.019 (36)	11.846 (28) ^F			-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 ^T	1561	4561				14.4 ^j			12.775 (27)	12.516 (33)	12.361 (26) ^F			-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 ^T	1562	4562				14.6 ^j			12.913 (24)	12.642 (32)	12.516 (23) ^F			-6.5 (4.1)	-3.9 (4.1)	-4.2 (6.8)	3.5 (6.8)	0.15	-0.56	
1370	21:41:01.56	57:08:18.7 ^T	1563	188				8.9 ^j			6.923 (23)	6.390 (38)	6.333 (17) ^F	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 ^T	1564	4564				12.6 ^j			11.961 (26)	11.826 (32)	11.728 (23) ^F			-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 ^T	1565	4565				13.6 ^j			10.444 (24)	9.669 (29)	9.416 (21) ^F			-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 ^T	1566	4566				12.8 ^j			10.569 (26)	9.989 (32)	9.786 (23) ^F			-17.4 (5.1)	-9.6 (5.1)	-47.8 (7.4)	9.6 (7.4)	1.18	-0.58	
1374	21:41:44.08	57:05:39.0 ^T	1567	4567				11.3 ^j			10.696 (26)	10.568 (31)	10.433 (18) ^F			-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 ^T	1568	4568				13.9 ^j			10.834 (26)	10.070 (27)	9.840 (21) ^F			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 ^T	1569	4569				14.1 ^j			12.367 (29)	12.000 (30)	11.900 (23) ^F			-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 ^T	1571	4571				14.3 ^j			12.754 (27)	12.596 (35)	12.528 (26) ^F			-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 ^T	1572	4572				13.3 ^j			12.255 (24)	12.142 (35)	12.001 (24) ^F			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 ^T	1573	4573				12.8 ^j			11.327 (36)	10.936 (44)	10.800 (36) ^F			-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 ^T	1574	4574				14.1 ^j			12.864 (27)	12.628 (36)	12.541 (24) ^F			-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 ^T	1575	4575				14.2 ^j			12.512 (31)	12.234 (38)	12.122 (30) ^F			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 ^T	1576	4576				14.1 ^j			12.649 (24)	12.515 (33)	12.333 (24) ^F			-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 ^T	1577	4577				13.8 ^j			10.629 (26)	9.923 (31)	9.619 (21) ^F			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 ^T	1578	4578				12.7 ^j			11.456 (26)	11.219 (31)	11.098 (23) ^F			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 ^T	1579	4579				11 ^j			9.979 (24)	9.666 (31)	9.609 (22) ^F							1.86	-3.12	
1386	21:42:03.86	57:07:59.8 ^T	1580	4580				12.2 ^j			10.674 (26)	10.340 (32)	10.174 (22) ^F			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 ^T	1581	4581				14.2 ^j			12.238 (29)	11.852 (32)	11.694 (23) ^F			-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 ^T	1582	201				10.7 ^j			10.187 (26)	10.112 (32)	10.054 (22) ^F	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 ^T	1583	4583				13.3 ^j			11.526 (27)	10.944 (30)	10.889 (21) ^F			-69 (4.1)	-9.5 (4.1)	-61 (7.1)	-0.1 (7.1)			
1390	21:42:46.76	57:01:47.4 ^T	1584	204				9.06 ^l	9.62 ^l	9.41 ^l	10.206 (26)	9.983 (32)	9.893 (19) ^F	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 ^T	1585	4585				11.8 ^j			10.779 (27)	10.524 (32)	10.414 (19) ^F			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 ^T	1586	4586				14.2 ^j			10.936 (26)	10.171 (31)	9.962 (19) ^F			-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 ^T	1587	4587				14 ^j			12.157 (24)	11.871 (33)	11.667 (25) ^F			-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 ^T	1588	4588				14.4 ^j			11.341 (26)	10.641 (31)	10.418 (22) ^F			-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 ^T	1589	199				11.7 ^j			10.626 (26)	10.452 (31)	10.324 (22) ^F	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 ^T	1590	4590				14.3 ^j			12.583 (26)	12.376 (37)	12.228 (26) ^F			-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 ^T	1591	4591				12.7 ^j			11.638 (26)	11.543 (31)	11.328 (23) ^F			-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 ^T	1592	4592				14.2 ^j			12.342 (26)	11.978 (30)	11.857 (22) ^F			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 ^T	1593	4593				14.7 ^j			12.996 (24)	12.749 (29)	12.624 (26) ^F			-7.1 (4.1)	-6.5 (4.1)	-2.8 (7)	5.2 (7)			
1400	21:42:08.07	57:11:21.3 ^T	1594	4594				14.9 ^j			13.067 (27)	12.731 (33)	12.573 (26) ^F			-10 (4.1)	-4.4 (4.1)	-2.2 (7)	-2 (7)			
1401	21:42:20.11	57:10:14.4 ^T	1595	4595				14.3 ^j			12.400 (31)	12.028 (35)	11.866 (26) ^F			-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 ^T	1596	4596				14.4 ^j			9.117 (26)	7.923 (36)	7.529 (20) ^F			-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 ^T	1597	4597				13.5 ^j			11.829 (27)	11.476 (32)	11.404 (21) ^F			-1 (4.1)	-5 (4.1)	7.8 (7)	2.7 (7)	0	-0.25	
1404	21:42:48.26</																					

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004												PPMXL		UCAC3		MVA [j]		
						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 ^T	1599	4599		14.2 ^J					11.057 (29)	10.399 (31)	10.208 (19) ^F				-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 ^T	1600	4600		13.1 ^J					10.579 (27)	9.895 (31)	9.758 (21) ^F				3.7 (5.6)	-13.2 (5.1)	-52.5 (6.9)	18 (7)			
1407	21:37:08.44	57:22:48.4 ^T			11-1067	18.07 ^E	16.92	15.7 ^E			14.402 (35)	13.614 (37)	13.475 (48) ^F	M0.5 ^C		1.2 ^E	-7.1 (4.1)	5 (4.1)					
1408	21:37:30.61	57:23:17.4 ^T		4615	11-1180	18.86 ^F	17.7	16.52 ^F			14.900 (51)	14.078 (55)	13.796 (67) ^F	G-K ^F			-8.8 (4.1)	-16.7 (4.1)					
1409	21:37:44.87	57:24:13.5 ^T			11-1384	17.13 ^E	16.03	14.9 ^E			13.351 (30)	12.593 (34)	12.387 (29) ^F	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 ^T			11-1499	17.23 ^E	16.19	14.85 ^E			13.305 (40)	12.459 (55)	12.206 (55) ^F	M1.5 ^C		0.6 ^E	-14.2 (4.1)	-16.9 (4.1)					
1411	21:37:11.84	57:24:48.7 ^T			11-1513	17.17 ^E	15.98	14.76 ^E			13.162 (29)	12.348 (30)	12.145 (28) ^F	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 ^T			11-1659	17.24 ^E	16.16	15.12 ^E			13.611 (42)	12.844 (44)	12.656 (39) ^F	K5 ^C		1.9 ^E	6.4 (4.1)	-1.4 (4.1)					
1413	21:37:41.14	57:25:40.6 ^T		4618	11-1721	17.5 ^F	16.35	15.22 ^F			13.446 (29)	12.572 (31)	12.310 (31) ^F	K5 ^F		1.98 ^F	-6.3 (4.1)	-2.4 (4.1)					
1414	21:37:34.20	57:26:15.4 ^T		4616	11-1864	17.55 ^E	16.47	15.44 ^E			14.065 (0)	13.686 (70)	13.198 (0) ^F	G-K ^C		1.7 ^E	-6.5 (4.1)	7 (4.1)				SB1 ^C , <i>JHK</i> in [f] different	
1415	21:37:02.55	57:26:14.5 ^T			11-1871	18.15 ^E	17.08	15.68 ^E			14.074 (46)	13.331 (44)	13.129 (45) ^F	M2 ^C		0.8 ^E	52.7 (5.5)	-14.9 (5.5)					
1416	21:37:15.92	57:26:59.2 ^T		4610	11-2031	18.08 ^F	15.48 ^E	14.58	13.69 ^E		12.499 (25)	11.534 (28)	10.856 (20) ^F	K2 ^C		1.7 ^E	-0.8 (4.1)	-4.3 (4.1)	-7.3 (7.1)	4.9 (7)			<i>JHK</i> in [f] slightly different
1417	21:37:07.03	57:27:00.8 ^T		4606	11-2037	18.12 ^F	16.03 ^E	15.08	14.12 ^E		12.649 (26)	11.752 (27)	11.258 (20) ^F	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 ^T		4609	11-2131	19.82 ^F	17.72 ^E	16.43	15.25 ^E		13.393 (27)	12.214 (31)	11.523 (25) ^F	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 ^T		4602	11-2146	18.16 ^F	16.92 ^E	15.69	14.41 ^E		12.442 (0)	11.327 (32)	10.640 (25) ^F	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 ^T		4620	11-2318		18 ^E	16.86	15.66 ^E		14.176 (35)	13.248 (36)	13.005 (37) ^F	M0.0 ^E		1.1 ^E	1.6 (4.1)	-8.8 (4.1)					
1421	21:37:01.92	57:28:22.3 ^T		4604	11-2322	18.69 ^F	16.69 ^E	15.59	14.39 ^E		12.854 (29)	11.969 (33)	11.560 (25) ^F	M1 ^C		0.9 ^E	-4.3 (3.9)	6 (3.9)					
1422	21:37:14.50	57:28:40.9 ^T			11-2397		18.54 ^E	17.48	16.34 ^E		14.511 (39)	13.559 (41)	12.954 (34) ^F	K7.0 ^E		1.2 ^E	-6 (3.9)	-12.2 (3.9)					
1423	21:37:14.98	57:29:12.3 ^T			11-2487		17.61 ^E	16.48	15.27 ^E		13.726 (32)	12.946 (33)	12.734 (35) ^F	K7 ^C		1.9 ^E	-7.3 (3.9)	1.3 (3.9)					
1424	21:37:28.05	57:29:15.6 ^T			11-2503		18.07 ^E	16.69	15.22 ^E		13.440 (27)	12.556 (33)	12.329 (29) ^F	M0.0 ^E		2.3 ^E	-12.3 (3.8)	-9.1 (3.8)					
1425	21:37:45.14	57:19:42.4 ^T		4619	11-383		17.61 ^E	16.49	15.35 ^E		13.903 (26)	12.971 (33)	12.582 (26) ^F	K5 ^C		0.8 ^E	-7.2 (4.1)	-2.5 (4.1)					
1426	21:37:28.29	57:20:32.6 ^T		4612	11-581	19.96 ^F	16.73 ^E	15.63	14.6 ^E		13.095 (44)	12.332 (45)	12.104 (39) ^F	G ^E		1.5 ^E	-23.1 (4.1)	-35.5 (4.1)					
1427	21:38:17.50	57:22:30.8 ^T			12-1009		16.17 ^E	15.34	14.39 ^E		13.119 (45)	12.361 (43)	12.130 (37) ^F	K5.5 ^C		0.9 ^E	29.8 (5.4)	-13.9 (5.4)					
1428	21:38:50.29	57:22:28.3 ^T			12-1010		18.19 ^E	17.19	15.95 ^E		14.372 (40)	13.507 (0)	13.076 (0) ^F	M2 ^C		0.3 ^E	-1.3 (4)	-20.3 (4)					
1429	21:38:15.09	57:21:55.5 ^T			12-1017		16.83 ^E	15.82	14.84 ^E		13.283 (0)	12.654 (0)	12.554 (28) ^F	K5.5 ^C		1.4 ^E	-19.3 (5.4)	-0.9 (5.4)					
1430	21:39:03.19	57:22:31.8 ^T		4641	12-1027		18.58 ^E	17.51	15.95 ^E		14.249 (41)	13.561 (48)	13.308 (40) ^F	M0 ^C		1.3 ^E	-6.1 (5.4)	-9.9 (5.4)					
1431	21:38:05.94	57:22:43.9 ^T		4627	12-1081		18.35 ^E	17.15	15.95 ^E		14.354 (35)	13.533 (33)	13.271 (31) ^F	M0.5 ^C		1.3 ^E	-4.5 (4)	-5.8 (4)					
1432	21:37:57.62	57:22:47.7 ^T		4623	12-1091	18.61 ^F	16.59 ^E	15.65	14.73 ^E		13.182 (24)	12.215 (30)	11.673 (20) ^F	G2.5 ^C		2.8 ^E	-3.6 (4)	-3.8 (4)	0.1 (9.2)	-11.3 (9.2)			<i>JHK</i> in [f] slightly different
1433	21:37:57.57	57:24:19.7 ^T		4622	12-1422	20.23 ^F	18.77 ^E	17.48	16.09 ^E		14.458 (45)	13.606 (43)	13.337 (43) ^F	M0 ^C		1.9 ^E	-0.5 (5.4)	-5.2 (5.4)					
1434	21:38:47.07	57:24:20.7 ^T			12-1423		17.04 ^E	15.94	14.83 ^E		13.250 (26)	12.459 (31)	12.288 (23) ^F	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 ^T		4629	12-1613		18.42 ^E	17.15	15.78 ^E		14.062 (32)	13.241 (40)	12.951 (35) ^F	M1 ^C		1.3 ^E	-5.8 (4)	-4 (4)					
1436	21:39:04.68	57:25:12.8 ^T		4642	12-1617	19.72 ^F	17.86 ^E	16.53	15.18 ^E		13.542 (26)	12.627 (28)	12.129 (24) ^F	M1 ^C		1.6 ^E	-5 (4)	-3.7 (4)					
1437	21:39:04.71	57:25:21.5 ^T			12-1650						14.406 (37)	13.888 (49)	13.722 (66) ^F				-7.4 (5.4)	-44.5 (5.4)					
1438	21:38:33.82	57:26:05.3 ^T		4637	12-1825		19.23 ^E	17.86	16.52 ^E		14.976 (63)	14.141 (47)	13.877 (66) ^F	M0.0 ^E		2.1 ^E	-16.8 (5.4)	-0.5 (5.4)					
1439	21:38:44.47	57:18:09.1 ^T		4639	12-44 ^T		16.65 ^E	15.69	14.81 ^E		13.421 (27)	12.647 (35)	12.180 (26) ^F	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 ^T		4634	12-1955		17.53 ^E	16.46	15.42 ^E		14.096 (43)	13.320 (44)	13.122 (42) ^F	K6.5 ^C		1.4 ^E	-6.9 (4)	-4.4 (4)					
1441	21:37:54.88	57:26:42.5 ^T			12-1968		16.5 ^E	15.51	14.55 ^E		13.185 (38)	12.344 (32)	12.026 (27) ^F	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 ^T			12-1984		16.6 ^E	15.69	14.8 ^E		13.288 (29)	12.451 (31)	12.251 (22) ^F	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 ^T		4625	12-94		17.39 ^E	16.28	15.31 ^E		13.780 (26)	12.899 (33)	12.673 (26) ^F	K4.0 ^E		1.8 ^E	4.4 (4)	2.9 (4)					
1444	21:38:52.53	57:27:18.5 ^T			12-2098		18.43 ^E	17.18	15.73 ^E		14.137 (53)	13.365 (56)	13.156 (50) ^F	M2.5 ^C		1 ^E	-2 (5.3)	-0.9 (5.3)					
1445	21:38:27.43	57:27:20.8 ^T		4636	12-2113	18.79 ^F	17.14 ^E	15.92	14.67 ^E		12.856 (31)	11.986 (35)	11.506 (24) ^F	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 ^T			12-2363		17.68 ^E	16.36	15.05 ^E		13.523 (32)	12.733 (39)	12.500 (33) ^F	M0.5 ^C		1.9 ^E	-0.2 (3.9)	-8.9 (3.9)					
1447	21:38:00.59	57:28:25.4 ^T			12-2373		17.66 ^E	16.48	15.24 ^E		13.552 (32)	12.728 (50)	12.477 (33) ^F	M1 ^C		1.2 ^E	-7.7 (4)	-0.7 (4)					
1448	21:37:51.07	57:27:50.2 ^T			12-2519		17.27 ^E	16.23	15.21 ^E		13.647 (31)	12.816 (36)	12.460 (22) ^F	K5.5 ^C		1.6 ^E	-1.3 (3.9)	-18.8 (3.9)					
1449	21:37:58.28	57:20:35.5 ^T		4624	12-583		17.48 ^E	16.26	14.93 ^E		13.427 (40)	12.574 (38)	12.306 (29) ^F	M0 ^C		1.6 ^E	-15.1 (4)	-5.1 (4)					
1450	21:38:46.23	57:20:38.0 ^T		4640	12-595		18.51 ^E	17.43	16.35 ^E		15.375 (66)	14.634 (82)	14.327 (81) ^F	K7 ^C		1.2 ^E	-21.9 (4.1)	-18.5 (4.1)					
1451	21:39:12.88	57:21:08.8 ^T			12-705		17.59 ^E	16.37	15.13 ^E		13.489 (26)	12.685 (32)	12.425 (25) ^F	M1 ^C		1.3 ^E	-3.7 (4)	-4.8 (4)					
1452	21:39:14.24	57:22:13.0 ^T			12-942		17.15 ^E	15.98	14.79 ^E		13.238 (29)	12.431 (37)	12.196 (28) ^F	K7.5 ^C		1.7							

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
		J2000		DA	2004												PPMXL		UCAC3		MVA [j]		
	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 ^T	4628	13-1161				18.05 ^e	16.8	15.64 ^e	14.111 (39)	13.249 (38)	12.973 (28) ^T	M0 ^c		1.5 ^e	-10.5 (4)	-9.6 (4)					
1457	21:37:59.26	57:36:16.2 ^T	4626	13-1238	19.15 ^f			18.36 ^e	16.83	15.37 ^e	13.321 (27)	12.400 (32)	11.889 (18) ^T	M1 ^c		2.6 ^e	-2 (3.9)	-5.2 (3.9)					
1458	21:39:12.13	57:36:16.5 ^T	4644	13-1250	18.68 ^f			16.05 ^e	15.09	14.24 ^e	12.920 (24)	12.119 (29)	11.799 (23) ^T	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 ^T	4630	13-1426				19.67 ^e	18.06	16.43 ^e	14.306 (29)	13.425 (33)	12.901 (30) ^T	M0 ^c		3.2 ^e	-2.2 (3.9)	-6.2 (3.9)					
1460	21:38:28.04	57:30:46.5 ^T		13-157				16.23 ^e	15.25	14.32 ^e	12.912 (31)	11.979 (36)	11.249 (52) ^T	K5.5 ^c		1.2 ^e							
1461	21:38:40.38	57:38:37.4 ^T		13-1709				16.7 ^e	15.7	14.82 ^e	13.563 (27)	12.715 (32)	12.507 (23) ^T	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 ^T		13-1877				16.83 ^e	15.59	14.45 ^e	12.935 ()	11.954 ()	11.263 () ^T	K7 ^e		2 ^e	3.2 (3.8)	-5.4 (3.8)					
1463	21:38:40.02	57:39:30.3 ^T	4638	13-1891				18.16 ^e	17.06	15.89 ^e	14.509 (27)	13.600 (42)	13.215 (30) ^T	M0 ^c		1 ^e	10.6 (3.9)	-12.3 (3.9)					
1464	21:38:17.50	57:41:02.0 ^T		13-2236				17.54 ^e	16.4	15.35 ^e	13.873 (34)	13.004 (37)	12.767 (35) ^T	K6.5 ^c		1.6 ^e	-8.2 (3.9)	-4.9 (3.9)					
1465	21:38:28.35	57:31:07.2 ^T		13-232				17.36 ^e	16.2	15.11 ^e	13.647 (43)	12.804 (42)	12.561 (40) ^T	M0 ^c		1.1 ^e	-5.4 (3.9)	-16.7 (3.9)					
1466	21:38:27.42	57:31:08.2 ^T	4635	13-236	17.56 ^f			15.64 ^e	14.7	13.85 ^e	12.355 (36)	11.363 (40)	10.774 (24) ^T	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 ^T	4643	13-238				19.5 ^f	17.5	15.9 ^f	14.084 (31)	13.222 (35)	12.980 (28) ^T	K1 ^q			-1.3 (5.4)	-1.6 (5.4)					
1468	21:37:58.13	57:31:20.0 ^T		13-269				16.95 ^e	15.8	14.65 ^e	12.829 (27)	12.001 (32)	11.724 (20) ^T	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 ^T	4632	13-350				18.08 ^e	16.97	15.81 ^e	14.475 (66)	13.211 (60)	13.389 (43) ^T	M1 ^c		0.7 ^e	17.6 (3.8)	-32.2 (3.8)					
1470	21:38:32.55	57:30:16.1 ^T		13-52				17.27 ^e	16.19	15.15 ^e	13.738 (47)	12.842 (40)	12.607 (31) ^T	K7 ^e		1.3 ^e	-2.2 (4)	-6.9 (4)					
1471	21:38:34.81	57:32:50.0 ^T		13-566				18.05 ^e	16.81	15.47 ^e	13.899 (29)	13.049 (35)	12.789 (22) ^T	K5.5 ^c		2.4 ^e	-2.8 (3.8)	-6.4 (3.8)					
1472	21:38:09.28	57:33:26.2 ^T	4631	13-669	18.29 ^f			15.84 ^e	14.86	13.93 ^e	12.391 (29)	11.566 (30)	11.195 (20) ^T	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 ^T		13-819				16.44 ^e	15.42	14.45 ^e	13.032 (27)	12.234 (29)	11.993 (20) ^T	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 ^T		13-838							14.113 (34)	13.407 (33)	13.199 (33) ^T				-4.2 (3.9)	-3.8 (3.9)					
1475	21:37:50.19	57:33:40.4 ^T	4621	13-924				16.93 ^e	15.93	14.92 ^e	13.225 (27)	12.360 (36)	12.108 (24) ^T	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 ^T	4613	14-1017				18.66 ^e	17.3	15.92 ^e	13.994 (31)	13.027 (30)	12.630 (26) ^T	M0 ^c		2.1 ^e	0.7 (3.8)	-9 (3.8)					
1477	21:37:19.76	57:31:04.4 ^T		14-103				17.83 ^e	16.93	15.82 ^e	14.283 (27)	13.387 (31)	13.193 (40) ^T	K7 ^e		1 ^e	-4.2 (3.9)	2.3 (3.9)					
1478	21:37:10.32	57:30:18.9 ^T		14-11				17.53 ^e	16.15	14.78 ^e	13.057 (29)	12.216 (34)	11.956 (26) ^T	M1.5 ^c		1.8 ^e	1.6 (3.8)	-10.7 (3.8)					
1479	21:36:55.79	57:36:53.3 ^T		14-1229				17.81 ^e	16.74	15.74 ^e	14.361 (29)	13.501 (41)	13.351 (34) ^T	K6 ^c		1.3 ^e	-2.8 (4)	-0.4 (4)					
1480	21:37:10.54	57:31:12.5 ^T	4607	14-125	20.03 ^f			16.74 ^e	15.73	14.7 ^e	13.090 (26)	12.170 (30)	11.732 (21) ^T	K5 ^c		1.7 ^e	1 (3.8)	-14.3 (3.8)					
1481	21:36:49.42	57:31:22.1 ^T	4601	14-141	19.35 ^f			15.81 ^e	14.68	13.52 ^e	11.918 (22)	10.914 (29)	10.355 (21) ^T	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 ^T	4611	14-160	20.23 ^f			16.91 ^e	15.84	14.83 ^e	13.218 (37)	12.349 (41)	11.954 (33) ^T	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 ^T	4608	14-1827	18.05 ^f			15.67 ^f	14.92	14.19 ^f	13.171 (22)	12.515 (28)	12.399 (25) ^T	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 ^T	4617	14-183	20.84 ^f			16.61 ^e	15.37	14.21 ^e	13.303 (29)	12.229 (31)	11.668 () ^T	K7.0(K5)R ^c		2 ^e							SB1: ^c
1485	21:37:23.68	57:31:53.9 ^T		14-197				17.07 ^e	16.01	14.99 ^e	13.446 (25)	12.635 (31)	12.473 (26) ^T	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 ^T		14-2148				18.25 ^e	16.93	15.62 ^e	13.985 (30)	13.087 (34)	12.832 (30) ^T	M1.5 ^c		1.5 ^e	-1 (3.8)	-10.3 (3.8)					
1487	21:37:06.07	57:32:01.6 ^T	4605	14-222	18.52 ^f			15.81 ^e	14.74	13.65 ^e	12.105 (22)	11.273 (26)	11.077 (21) ^T	K7 ^e		1.2 ^e	5.4 (3.9)	-2.6 (3.9)					
1488	21:37:06.50	57:32:31.7 ^T		14-287				17.85 ^e	16.51	15.17 ^e	13.321 (23)	12.327 (28)	11.909 (23) ^T	M0 ^c		2.2 ^e	3.2 (3.8)	-14.2 (3.8)					
1489	21:36:26.77	57:32:35.5 ^T		14-306				18.4 ^e	17.29	16.12 ^e	14.258 (40)	13.294 (42)	12.936 (34) ^T	K6.5 ^c		1.9 ^e	19.2 (4)	22.2 (4)					
1490	21:37:29.16	57:32:53.5 ^T	4614	14-335				17.14 ^e	16.09	14.98 ^e	13.236 (35)	12.142 (31)	11.553 (26) ^T	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 ^T		14-995							14.542 (43)	13.692 (47)	13.454 (47) ^T				18.9 (3.8)	12.1 (3.8)					
1492	21:39:15.84	57:24:35.0 ^T		21-1189							14.606 (41)	14.059 (63)	13.847 (64) ^T				-11 (4)	-7.5 (4)					
1493	21:39:45.71	57:26:24.3 ^T		21-1536				18.85 ^e	17.61	16.16 ^e	14.561 (40)	13.756 (44)	13.224 (42) ^T	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 ^T	4648	21-1586				18.23 ^e	17.14	15.84 ^e	14.479 (41)	13.615 (38)	13.375 (38) ^T	K7 ^c		1.5 ^e	-8.2 (4.1)	-3.2 (4.1)					
1495	21:39:15.54	57:26:44.1 ^T		21-1590				18.1 ^e	16.79	15.62 ^e	14.053 (30)	13.252 (39)	12.941 (34) ^T	K7 ^c		2.2 ^e	-1.9 (3.9)	-19.7 (3.9)					
1496	21:40:01.28	57:27:18.5 ^T	4649	21-1692				18.58 ^e	17.22	15.94 ^e	14.305 (31)	13.460 (40)	13.243 (40) ^T	M1 ^c		1.7 ^e	-6.2 (4.1)	-3.9 (4.1)					
1497	21:40:09.25	57:27:39.3 ^T		21-1762				17 ^e	15.96	14.94 ^e	13.391 (24)	12.727 (33)	12.413 (28) ^T	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 ^T		21-1974				16.77 ^e	15.79	14.86 ^e	13.446 (32)	12.707 (44)	12.497 (32) ^T	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 ^T		21-2006				16.99 ^e	16	15.02 ^e	13.704 (29)	12.920 (38)	12.488 (30) ^T	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 ^T		21-2251				18.05 ^e	16.73	15.31 ^e	13.800 (28)	12.995 (32)	12.709 (30) ^T	M2 ^c		1.5 ^e	-0.5 (4.1)	-12.3 (4.1)					SB1: ^c
1501	21:39:41.69	57:19:27.4 ^T		21-230				18.17 ^e	16.94	15.69 ^e	14.210 (38)	13.345 (36)	13.174 (38) ^T	M0.5 ^c		1.5 ^e	2 (4.1)	0.3 (4.1)					
1502	21:39:35.62	57:18:22.1 ^T	4646	21-33				18.68 ^e	17.4	16.14 ^e	14.501 (39)	13.581 (40)	13.220 (44) ^T	M0 ^c		1.7 ^e	-9.5 (4.1)	-10.4 (4.1)					
1503	21:40:02.60	57:22:09.0 ^T		21-763				17.65 ^e	16.5	15.37 ^e	13.849 ()	13.164 ()	12.968 (35) ^T	M0 ^c		1.2 ^e	-6.7 (4.1)	-8.4 (4.1)					

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_V</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004	mag	mag	mag	mag	mag	mag	mag	mag			mag	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	
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 (0) ^f	G1.5 ^c		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) ^f				-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) ^f	K6 ^c		2.1 ^e	-4.6 (4.4)	-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) ^f	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) ^f				-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) ^f	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) ^f	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 (0)	12.277 (45)	11.940 (0) ^f	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) ^f				-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) ^f	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) ^f	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) ^f	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 (26)	11.553 (26) ^f	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) ^f	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) ^f				-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) ^f	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) ^f				-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) ^f				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) ^f	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 (0)	11.793 (0)	10.760 (25) ^f	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) ^f	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) ^f				-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) ^f				-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) ^f				-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) ^f	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) ^f	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) ^f	K5.0 ^c			-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) ^f	K7.0 ^e			25.4 (5)	-8.4 (5)						
1590	21:38:56.69	57:30:48.4 ^r								14.919 (53)	14.163 (55)	13.902 (65) ^f	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) ^f	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) ^f	M0 ^c										faint star, ok
1593	21:37:42.76	57:33:25.1 ^r								12.561 (23)	11.308 (26)	10.388 (21) ^f	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) ^f	M3.5 ^c										no opt. cp.
1595	21:37:09.37	57:29:48.4 ^r								13.385 (27)	12.325 (47)	11.837 (34) ^f	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) ^f	M0 ^e			-16.3 (4)	-9 (4)						faint star, ok
1597	21:36:47.63	57:29:54.1 ^r								13.568 (0)	12.342 (42)	11.655 (33) ^f	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) ^f				-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) ^f	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 ¹	9.02 ¹	8.6 ^e	8.27	8.13 ^e	8.500 (24)	8.581 (27)	8.579 (21) ^f	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 ¹	7.54 ¹	7.42 ¹			7.187 (24)	7.193 (42)	7.234 (31) ^f	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 ¹	9.18 ¹	8.92 ¹			8.354 (24)	8.344 (44)	8.350 (44) ^f	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 ¹	9.89 ¹	9.21 ¹			7.620 (21)	7.460 (44)	7.363 (20) ^f	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 ¹	8 ¹	7.42 ¹			5.914 (24)	5.741 (31)	5.589 (20) ^f	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 ¹	9.43 ¹	9.32 ¹			8.993 (39)	8.970 (26)	8.962 (20) ^f	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 ¹	9.6 ¹	8.42 ^e	7.97	7.74 ^e	8.707 (18)	8.747 (28)	8.710 (22) ^f	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 ¹	10.27 ¹	9.97 ¹			9.366 (22)	9.369 (29)	9.330 (18) ^f	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 ¹	9.75 ¹	9.56 ^e	9.08	8.52 ^e	9.044 (25)	9.058 (32)	9.057 (0) ^f	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 ¹	9.03 ¹	8.61 ¹			7.542 (21)	7.478 (18)	7.284 (18) ^f	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 ¹	9.3 ¹	7.39 ¹			3.210 (240)	2.246 (198)	1.788 (226) ^f	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 ¹	9.33 ¹	9.03 ¹			8.468 (34)	8.419 (38)	8.380 (20) ^f	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 ¹	8.86 ¹	7.93 ^e	7.24	6.75 ^e	8.003 (39)	7.963 (46)	7.941 (31) ^f	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 ¹	10.04 ¹	9.74 ¹			6.782 (20)	6.268 (23)	6.121 (23) ^f	B2.5 ^P	V ^P								[m] HIP# wrong outFoV
1614	22:03:42.91	59:10:00.1 ^r	1055			8.22 ¹	8.91 ¹																

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	<i>A_v</i>	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	μ_{α}	μ_{δ}	Comments
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004												PPMXL		UCAC3		MVA [j]		
						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 ^T				1240	8.60 ^l	8.73 ^l	9.29 ^g	8.94	8.8 ^g	6.472 (20)	6.356 (21)	6.319 (16) ^F	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 ^T				1289	7.80 ^l	7.78 ^l	7.67 ^l			7.241 (24)	7.212 (46)	7.191 (17) ^F	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 ^T				1293	10.08 ^l	10.22 ^l	8.82 ^g	8.53	8.48 ^g	8.196 (29)	8.045 (49)	8.036 (31) ^F	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 ^T				1318	9.86 ^l	10.22 ^l	9.89 ^l			9.044 (23)	8.975 (40)	8.979 (22) ^F	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 ^T				1319	8.79 ^l	6.42 ^l	4.07 ^l	2.07	0.34 ^o	-0.326 (204)	-1.264 (180)	-1.620 (160) ^F	G5/M2 ^P Ib/Ia ^P		3.5 (1.3)	-9.4 (1.3)					outFoV
1620	21:44:34.01	59:03:25.7 ^T				1331	9.22 ^l	9.76 ^l	9.51 ^l			8.850 (20)	8.819 (33)	8.691 (18) ^F	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 ^T				1354						10.299 (28)	10.255 (36)	10.184 (26) ^F	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 ^T				1492						8.010 (21)	7.918 (27)	7.749 (0) ^F	B2 ^P V ^P		-2.8 (0.7)	-3.4 (0.7)	-2.2 (0.6)	-3.9 (0.6)			outFoV
1623	21:32:20.70	59:34:21.0 ^T				1513						7.128 (24)	7.034 (27)	7.043 (17) ^F	B1.5 ^P V ^P		-3.2 (1.3)	-0.7 (1.4)					outFoV
1624	21:34:22.58	59:28:43.9 ^T				1522						7.733 (27)	7.510 (34)	7.222 (33) ^F	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 ^T				1588	6.98 ^l	7.62 ^l	7.29 ^l			6.761 (41)	6.756 (24)	6.760 (15) ^F	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 ^T				1732						9.321 (39)	9.273 (42)	9.192 (32) ^F	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 ^T				5001	16.21 ^k	15.63 ^k	14.61 ⁿ			12.305 (27)	11.906 (29)	11.747 (42) ^F			-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 ^T				5002		16.33 ^k	14.92 ⁿ			11.374 (23)	10.608 (23)	10.364 (19) ^F			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 ^T				5003		17.34 ^k	15.62 ⁿ			11.397 (22)	10.472 (19)	10.174 (17) ^F			-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 ^T				5004		16.5 ^k	15.9 ⁿ			13.441 (39)	12.954 (42)	12.839 (47) ^F			-7.3 (3.9)	-4.7 (3.9)					outFoV
1631	21:26:39.92	57:46:17.8 ^T				5005		17.5 ^k	16.5 ⁿ			11.209 (21)	10.179 (17)	9.873 (15) ^F			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 ^T				5006		17.32 ^k	15.52 ⁿ			10.693 (20)	9.655 (18)	9.312 (19) ^F			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 ^T				5007	16.17 ^k	16.12 ^k	14.83 ⁿ			12.455 (23)	11.945 (21)	11.799 (25) ^F			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 ^T				5008		15.81 ^k	14.1 ⁿ			10.880 (23)	10.128 (19)	9.881 (15) ^F	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 ^T				5010	16.43 ^k	15.94 ^k	14.58 ⁿ			11.715 (21)	11.215 (19)	11.005 (19) ^F			6.8 (4)	0.5 (4)	12.2 (6.3)	17 (6.3)			outFoV
1637	21:29:06.58	58:33:35.2 ^T				5011		17.4 ^k	15.97 ⁿ			12.348 (20)	11.459 (18)	11.255 (17) ^F			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 ^T				5012		16.21 ^k	14.63 ⁿ			11.648 (22)	10.998 (28)	10.802 (21) ^F			-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 ^T				5013	16.80 ^k	15.6 ^k	13.92 ⁿ			10.992 (23)	10.316 (28)	10.141 (22) ^F			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 ^T				5014		15.4 ⁿ	15.4 ⁿ			10.317 (22)	9.271 (26)	8.909 (22) ^F			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 ^T				5015		17.29 ^k	15.23 ⁿ			10.968 (22)	10.093 (28)	9.750 (22) ^F	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 ^T				5017	16.61 ^k	16.1 ^k	14.74 ⁿ			12.815 (28)	12.433 (38)	12.257 (34) ^F	F4 ^q		-61.9 (19.1)	-40.6 (19.1)					outFoV
1644	21:30:29.24	58:31:07.7 ^T				5018		17 ^k	15.16 ⁿ			10.680 (23)	9.617 (28)	9.274 (21) ^F			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 ^T				5019		16.12 ^k	15.47 ⁿ			11.906 (22)	11.207 (28)	10.965 (23) ^F			-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 ^T				5020	16.11 ^k	15.5 ^k	14.82 ⁿ			12.747 (25)	12.471 (28)	12.326 (24) ^F			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 ^T				5021		16.78 ^k	15.78 ⁿ			13.228 (26)	12.736 (33)	12.618 (29) ^F			-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 ^T				5022		16.2 ^k	15.27 ⁿ			11.812 (24)	11.046 (32)	10.773 (23) ^F			-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 ^T				5024	16.63 ^k	16.13 ^k	14.7 ⁿ			12.112 (21)	11.676 (26)	11.495 (22) ^F			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 ^T				5025		16.5 ^k	14.45 ⁿ			10.406 (21)	9.495 (31)	9.156 (20) ^F	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 ^T				5026		17 ⁿ	17 ⁿ			13.143 (24)	12.515 (32)	12.249 (25) ^F			-2.6 (3.8)	-3.3 (3.8)	-3.7 (8.2)	-13.5 (8.3)			outFoV
1653	21:31:46.08	56:37:53.5 ^T				5027		16.68 ^k	14.94 ⁿ			11.269 (23)	10.557 (30)	10.284 (20) ^F			-0.9 (4.1)	-0.2 (4.1)	-5.4 (6.8)	2.3 (6.8)			outFoV
1654	21:32:02.65	56:36:18.9 ^T				5028		16.56 ^k	14.59 ⁿ			10.928 (23)	10.132 (31)	9.830 (22) ^F			1.5 (5.1)	-9.3 (5.1)	9.5 (7)	-43.5 (6.9)			outFoV
1655	21:32:28.79	57:43:31.8 ^T				5029	16.22 ^k	16.79 ^k	15.74 ⁿ			13.165 (32)	12.709 (42)	12.485 (33) ^F			-11.7 (4)	-9.1 (4)	-56.9 (7.1)	-23 (9.1)			outFoV
1656	21:33:07.73	56:16:19.1 ^m				5030		17.18 ^k	15.71 ⁿ														outFoV
1657	21:33:11.98	56:19:56.2 ^T				5031	16.03 ^k	15.02 ^k	14.52 ⁿ			11.724 (25)	11.436 (30)	11.300 (24) ^F			1.9 (4.1)	2.7 (4.1)	4 (6.9)	20.1 (6.9)			outFoV
1658	21:33:19.74	56:25:34.8 ^T				5032			14.91 ⁿ			16.328 (124)	15.579 (158)	15.456 (196) ^F									outFoV
1659	21:33:29.70	57:56:28.2 ^T				5033	16.05 ^k	15.75 ^k	14.52 ⁿ			12.368 (24)	11.986 (28)	11.862 (23) ^F			-1 (3.8)	0.4 (3.8)	-3.1 (7.3)	-0.1 (7.3)			outFoV
1660	21:33:33.90	56:22:55.9 ^T				5034		17 ⁿ	17 ⁿ			10.003 (23)	8.768 (28)	8.314 (21) ^F			1.4 (5.1)	-6.4 (5.1)					outFoV
1661	21:33:42.90	56:48:27.8 ^T				5035			15.19 ⁿ			11.352 (23)	10.529 (28)	10.242 (21) ^F			-3.9 (4.1)	-1.4 (4.1)	-12.6 (7)	2.4 (6.9)			outFoV
1662	21:33:47.96	56:51:11.9 ^T				5036		16.34 ^k	14.89 ⁿ			12.907 (26)	12.374 (32)	12.292 (25) ^F			1.3 (4.1)	-5.4 (4.1)	5.3 (6.8)	-1.5 (6.9)			outFoV
1663	21:34:03.33	58:05:17.8 ^T				5037	15.99 ^k	15.59 ^k	14.87 ⁿ			12.809 (26)	12.493 (35)	12.304 (28) ^F			-7.3 (3.8)	-5.5 (3.8)	-19.7 (8.2)	-14.9 (8.3)			outFoV
1664	21:34:13.33	57:00:48.6 ^T				5038	16.05 ^k	15.87 ^k	14.83 ⁿ			12.638 (25)	12.238 (34)	12.099 (26) ^F			2.9 (4.1)	2.6 (4.1)	4.2 (6.8)	14.6 (6.8)			outFoV
1665	21:34:18.21	57:14:32.6 ^T				5039	14.66 ^k	14.25 ^k	14.14 ⁿ			12.6											

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	<i>U</i>	<i>B</i>	<i>V</i>	<i>R</i>	<i>I</i>	<i>J</i>	<i>H</i>	<i>K</i>	SpT	Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments
		J2000		DA	2004												PPMXL		UCAC3		MVA [j]		
	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	
1668	21:34:34.81	57:14:16.4 ^T				17 ⁿ						12.502 (24)	11.788 (31)	11.578 (26) ^T			-6.2 (4.1)	-1.4 (4.1)	-17.1 (7)	5.2 (7.1)			
1669	21:34:39.84	57:35:54.5 ^T										11.706 (22)	10.751 (26)	10.447 (21) ^T			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 ^T				16.75 ^k	15.32 ^k	14.26 ⁿ				11.747 (24)	11.373 (28)	11.226 (22) ^T			-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 ^T				16.31 ^k	15.9 ^k	14.04 ⁿ				12.131 (21)	11.679 (29)	11.528 (23) ^T			-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																					outFoV
1673	21:35:19.02	56:34:38.6 ^T				16.18 ^k	15.42 ^k	14.21 ⁿ				11.867 (24)	11.422 (33)	11.282 (26) ^T			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 ^T										12.537 (24)	11.691 (29)	11.413 (23) ^T			-5.9 (4)	-6.6 (4)	-0.8 (8.8)	2.2 (8.6)			
1675	21:35:21.63	56:18:20.4 ^T				16.92 ^k	16.41 ^k	15.31 ⁿ				12.885 (48)	12.472 (68)	12.285 (30) ^T			-16 (4.1)	16.4 (4.1)	-59.1 (7.1)	71.5 (7)			outFoV
1676	21:35:21.56	57:45:14.4 ^T										12.000 (24)	11.142 (28)	10.827 (21) ^T			-7.3 (3.8)	-3 (3.8)	-5.6 (7.7)	-12.8 (8.7)			
1677	21:35:32.31	56:23:21.4 ^T					17.04 ^k	15.12 ⁿ				11.241 (24)	10.442 (30)	10.187 (20) ^T			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 ^T				16.27 ^k	15.73 ^k	14.09 ⁿ				12.098 (32)	11.669 (41)	11.519 (24) ^T			27.3 (4.1)	8.7 (4.1)					
1679	21:35:39.15	57:02:04.3 ^T				16.06 ^k	15.37 ^k	14.08 ⁿ				12.560 (27)	12.216 (32)	12.064 (25) ^T			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 ^T					16.5 ^k	15.97 ⁿ				11.251 (24)	10.377 (29)	10.040 (21) ^T			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 ^T				16.03 ^k	15.83 ^k	14.48 ⁿ				12.403 (0)	12.004 (43)	11.809 (0) ^T			-2.2 (4.1)	2.5 (4.1)					
1682	21:35:48.64	57:20:28.3 ^T				16.13 ^k	16.32 ^f	15.16 ^e				13.341 (24)	12.953 (32)	12.831 (29) ^T	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 ^T										13.800 (31)	13.395 (39)	13.268 (42) ^T			-3 (4.1)	1.8 (4.1)	-2.4 (6.8)	25.7 (7.1)			
1684	21:35:56.56	57:05:04.6 ^T				16.31 ^k	15.4 ^k	14.25 ⁿ				12.511 (24)	12.047 (29)	11.914 (23) ^T			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				15.86 ^k	15.41 ^k	14.48 ⁿ															no star
1686	21:35:58.74	59:11:07.5 ^T				17.30 ^k	16.31 ^k	15.47 ⁿ				12.985 (24)	12.585 (29)	12.450 (28) ^T			-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 ^T					16.16 ^k	15.42 ⁿ				12.074 (0)	11.465 (0)	11.262 (27) ^T			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 ^T					15.97 ^k	14.84 ⁿ				12.845 (45)	12.469 (51)	12.339 (45) ^T			-24.5 (3.8)	1.2 (3.8)					outFoV
1689	21:36:17.27	59:06:52.4 ^T				16.92 ^k	16.41 ^k	15.58 ⁿ				11.524 (24)	10.562 (27)	10.284 (21) ^T			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 ^T					17.1 ^k	15.89 ⁿ				11.924 (23)	11.052 (27)	10.800 (20) ^T			-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 ^T					15.9 ^k	15.16 ⁿ				12.744 (27)	12.439 (32)	12.317 (26) ^T			-1.2 (3.8)	-3 (3.8)	-4 (7.3)	-3.3 (7.4)			outFoV
1692	21:36:51.82	57:59:05.7 ^T										12.111 (26)	11.260 (29)	11.016 (22) ^T			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 ^T				16.38 ^k	15.21 ^k	14.1 ⁿ				12.105 (39)	11.721 (46)	11.578 (38) ^T			-33.3 (3.8)	-1.5 (3.8)					outFoV
1694	21:37:07.08	58:07:18.3 ^T					16.7 ^k	15.05 ⁿ				11.330 (19)	10.535 (28)	10.268 (26) ^T			-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 ^T				14.53 ^k	14.78 ^k	14.08 ⁿ				12.521 (27)	12.277 (29)	12.175 (18) ^T			-2.8 (4)	-0.1 (4)	-7.7 (6.8)	4.1 (6.8)			outFoV
1696	21:37:59.28	58:41:24.1 ^T						16.4 ⁿ				11.923 (26)	11.037 (30)	10.697 (18) ^T			-8 (3.8)	-9.5 (3.8)	-5 (7.5)	-5.8 (7.5)			outFoV
1697	21:38:11.68	59:10:48.7 ^T						16.5 ⁿ				11.897 (27)	10.853 (27)	10.572 (20) ^T			-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 ^T						16.3 ⁿ				13.161 (41)	12.752 (51)	12.565 (39) ^T			9.2 (4)	12 (4)					outFoV
1699	21:38:22.13	59:10:40.2 ^T				16.96 ^k	16.04 ^k	14.58 ⁿ				11.951 (26)	11.442 (28)	11.306 (24) ^T			-5.3 (3.8)	-9.1 (3.8)	-7.7 (7.1)	-7.9 (7.2)			outFoV
1700	21:38:40.21	58:11:10.4 ^T						15.61 ⁿ				11.241 (26)	10.247 (32)	9.932 (19) ^T			-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 ^T						15.5 ⁿ				9.748 (23)	8.087 (40)	6.960 (18) ^T			-6.2 (4.9)	0 (4.9)	-7.7 (6.4)	2.5 (6.5)			
1702	21:39:07.73	55:57:58.8 ^T					15.54 ^k	14.49 ⁿ				13.222 (0)	12.950 (41)	12.804 (45) ^T			6.3 (4)	-35.5 (4)					outFoV
1703	21:39:13.28	56:05:24.4 ^T				15.06 ^k	15.3 ^k	14.49 ⁿ				12.999 (26)	12.895 (33)	12.711 (36) ^T			-0.4 (4)	2.3 (4)	-3.7 (6.8)	0.7 (6.8)			outFoV
1704	21:39:40.12	58:15:01.7 ^T					16.85 ^k	15.61 ⁿ				12.305 (0)	11.456 (0)	11.180 (0) ^T			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 ^T					16.85 ^k	15.05 ⁿ				11.232 (24)	10.392 (29)	10.097 (21) ^T			-3.8 (3.8)	-10.1 (3.8)	-8.8 (7.3)	-13.2 (7.3)			outFoV
1706	21:40:27.41	57:31:45.3 ^T					16.6 ^k	14.98 ⁿ				10.937 (24)	9.924 (28)	9.619 (21) ^T	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 ^T					16.74 ^k	15.16 ⁿ				11.742 (26)	10.916 (28)	10.684 (19) ^T			-3 (4.1)	1.5 (4.1)	-7.8 (6.9)	9 (6.9)			outFoV
1708	21:40:48.51	57:40:01.2 ^T				16.22 ^k	16.46 ^k	15.04 ⁿ				13.020 (24)	12.579 (35)	12.499 (30) ^T			33 (3.9)	-71.6 (3.9)	14.3 (7.4)	-47.8 (7.8)			
1709	21:41:02.55	57:59:32.3 ^T					16.55 ^k	15.34 ⁿ				11.883 (21)	11.068 (31)	10.846 (22) ^T	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 ^T					15.73 ^k	14.5 ⁿ				11.741 (21)	11.076 (32)	10.837 (20) ^T			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 ^T					15.13 ^k	14.49 ⁿ				12.797 (25)	12.269 (29)	12.201 (23) ^T			7.3 (3.8)	-13.2 (3.8)	9.7 (8)	-11 (8)			outFoV
1712	21:41:24.48	58:12:56.4 ^T					16.6 ^k	15.54 ⁿ				12.945 (24)	12.490 (31)	12.299 (24) ^T			-3.7 (3.8)	-5 (3.8)	-8 (7.6)	-11.4 (7.4)			
1713	21:41:39.56	58:13:21.9 ^T					16.86 ^k	14.67 ⁿ				10.232 (26)	9.244 (32)	8.865 (21) ^T	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 ^T				14.71 ^k	14.99 ^k	13.81 ⁿ				11.726 (24)	11.300 (32)	11.163 (23) ^T	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 ^T					17 ^k	16 ⁿ				13.587 (32)	13.135 (35)	12.958 (32) ^T			-1.3 (3.8)	-12.7 (3.8)	13.2 (7.9)	-27.2 (7.9)			
1716	21:42:04.06	57:03:59.1 ^T					16.86 ^k	14.77 ⁿ				11.180 (26)	10.408 (32)	10.100 (22) ^T			-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 ^T						15 ⁿ				11.127 (24)	10.121 (30)	9.757 (21) ^T			-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 ^T				16.13 ^k	16 ^k	14.95 ⁿ				13.213 (29)	12.932 (32)	12.828 (34) ^T			-9.9 (4.1)	-6.1 (4.1)	-19.3 (7)	5.1 (7)			
1719	21:42:16.06	58:01:12.9 ^T					17.13 ^k	15.36 ⁿ				11.613 (26)	10.778 (32)	10.504 (21) ^T	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 ^T					17.1 ^k	15.2 ⁿ				11.364 (25)	10.588 (31)	10.300 (20) ^T			-7.5 (4.1)						

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpT Class	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
	hh:mm:ss.ss	dd:mm:ss.s	J2000	DA	2004										mag	PPMXL	mas/yr	mas/yr	UCAC3	mas/yr	mas/yr	MVA [j]	
						mag	mag	mag	mag	mag	mag	mag	mag			mas/yr	mas/yr	mas/yr	mas/yr	mas/yr	mas/yr		
1721	21:42:44.27	58:59:50.6 ^T				5113	16.05 ^k	15.36 ⁿ			13.356 (39)	12.847 (47)	12.636 (37) ^T			-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 ^T				5114	15.95 ^k	15.17 ^k	14.34 ⁿ		12.540 (29)	12.122 (30)	12.044 (23) ^T	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 ^T				5115	17.28 ^k	15.82 ^k	14.16 ⁿ		11.065 (27)	10.351 (30)	10.146 (21) ^T	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 ^T				5116	16.51 ^k	16.47 ^k	15.55 ⁿ		13.342 (27)	12.835 (35)	12.701 (30) ^T			-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 ^T				5117	16.69 ^k	15.36 ⁿ			10.984 (29)	10.033 (31)	9.710 (21) ^T			-6.5 (5.2)	-9.5 (5.2)	-73 (7.4)	-6.2 (7)			outFoV	
1726	21:43:21.48	57:30:15.7 ^T				5118	16.61 ^k	14.79 ⁿ			9.059 (26)	7.611 (36)	7.010 (23) ^T			-8.3 (6.3)	1.1 (6.3)						
1727	21:43:32.55	57:24:01.6 ^T				5119	16.04 ^k	16.09 ^k	14.95 ⁿ		12.416 (25)	11.797 (31)	11.689 (21) ^T			-22.2 (4.1)	-20.9 (4.1)	-11.8 (7)	-3 (6.9)				
1728	21:43:45.56	57:07:56.7 ^T				5120	15.72 ^k	15.51 ^k	14.54 ⁿ		12.686 (23)	12.307 (30)	12.142 (21) ^T			-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 ^T				5121	16.71 ^k	16.58 ^k	15.24 ⁿ		11.831 (23)	11.086 (32)	10.754 (21) ^T			-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 ^T				5122	16.17 ^k	15.94 ^k	15.05 ⁿ		13.020 (24)	12.705 (32)	12.549 (24) ^T			-4.1 (4)	-1.8 (4)	-2.4 (7.3)	-20.1 (7.3)				
1731	21:44:07.97	59:11:03.5 ^T				5124		16.5 ⁿ			12.363 (36)	11.554 (46)	11.219 (32) ^T			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 ^T				5125	16.93 ^k	16.23 ^k	14.9 ⁿ		13.349 (26)	13.006 (35)	12.820 (23) ^T			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 ^T				5126		17.4 ^k	15.8 ⁿ		9.721 (23)	8.444 (24)	8.012 (16) ^T			-4.9 (5.1)	-4.8 (5.1)	33.4 (7)	13.5 (7.1)				
1734	21:44:39.59	57:20:00.6 ^T				5127	15.91 ^k	15.57 ^k	15.08 ⁿ		13.020 (29)	12.602 (31)	12.462 (28) ^T			2.1 (4.1)	-3.4 (4.1)	22.3 (7.5)	11.6 (7)				
1735	21:44:35.58	59:05:25.5 ^T				5128		16.2 ^k	15.36 ⁿ		12.232 (27)	11.470 (32)	11.235 (23) ^T			-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 ^T				5129		16.86 ^k	15.3 ⁿ		11.643 (34)	10.815 (36)	10.562 (29) ^T			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 ^T				5130	18.24 ^k	17.35 ^k	15.66 ⁿ		13.283 (26)	12.884 (32)	12.763 (28) ^T			-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 ^T				5131		17.06 ^k	15.42 ⁿ		11.752 (27)	11.071 (31)	10.886 (22) ^T			-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 ^T				5132		16.67 ^k	15.46 ⁿ		12.595 (29)	11.999 (33)	11.775 (24) ^T			-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 ^T				5133	16.34 ^k	15.51 ^k	14.73 ⁿ		12.777 (26)	12.407 (29)	12.273 (19) ^T			-5.9 (4.1)	-8 (4.1)	-24.6 (6.5)	-9.6 (6.6)			outFoV	
1741	21:45:39.18	56:39:28.5 ^T				5134	16.81 ^k	16.02 ^k	14.72 ⁿ		12.768 (24)	12.213 (32)	12.133 (21) ^T			-2.1 (4.1)	-39.5 (4.1)	-15.7 (7.1)	-27.2 (6.6)			outFoV	
1742	21:45:34.65	58:46:20.2 ^T				5135	16.24 ^k	15.62 ^k	15.23 ⁿ		13.481 (25)	13.173 (30)	13.107 (27) ^T			-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 ^T				5136		15.45 ^k	13.9 ⁿ		11.831 (38)	11.058 (38)	10.833 (27) ^T			5 (5.2)	-9.7 (5.2)					outFoV	
1744	21:46:09.84	56:22:14.8 ^T				5137	16.87 ^k	15.4 ^k	14.41 ⁿ		12.498 (32)	11.999 (32)	11.925 (26) ^T			17.2 (4.1)	1 (4.1)					outFoV	
1745	21:46:16.67	56:21:10.7 ^T				5138	16.48 ^k	15.5 ^k	14.29 ⁿ		12.510 (42)	12.202 (47)	11.934 (30) ^T									outFoV	
1746	21:46:40.60	58:02:25.6 ^T				5139	15.62 ^k	15.38 ^k	14.15 ⁿ		11.853 (29)	11.284 (31)	11.186 (18) ^T			-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 ^T				5140	16.55 ^k	15.94 ^k	14.75 ⁿ		13.184 (50)	12.728 (49)	12.613 (47) ^T			-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 ^T				5141	16.75 ^k	15.94 ^k	14.87 ⁿ		12.864 (28)	12.310 (32)	12.226 (23) ^T			11.5 (3.8)	-21.7 (3.8)	41.4 (7)	15.5 (7)			outFoV	
1749	21:46:47.32	58:25:11.3 ^T				5142	16.32 ^k	16.06 ^k	14.9 ⁿ		12.923 (26)	12.573 (31)	12.377 (19) ^T			-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 ^T				5143		16.4 ^k	15.2 ⁿ		13.145 (27)	12.662 (31)	12.568 (26) ^T			-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 ^T				5145		15 ⁿ			12.084 (23)	11.381 (31)	11.180 (22) ^T			-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 ^T				5146		16.19 ^k	14.74 ⁿ		12.280 (24)	11.765 (28)	11.607 (23) ^T			-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 ^T				5147	17.12 ^k	16.46 ^k	14.98 ⁿ		13.000 (24)	12.551 (30)	12.445 (24) ^T			-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 ^T				5148	16.03 ^k	15.98 ^k	14.67 ⁿ		12.626 (27)	12.189 (30)	11.995 (25) ^T			-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 ^T				5149	16.18 ^k	16.18 ^k	14.28 ⁿ		12.615 (26)	12.192 (28)	12.109 (23) ^T			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 ^T				5150	16.32 ^k	16.09 ^k	14.1 ⁿ		11.755 (26)	10.773 (31)	10.425 (20) ^T			6.2 (3.8)	-3.1 (3.8)	11 (7.7)	-20.2 (10)			outFoV	
1758	21:49:11.85	58:15:50.2 ^T				5151		16.51 ^k	15.2 ⁿ		11.806 (26)	11.060 (28)	10.777 (22) ^T			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 ^T				5152	14.40 ^k	14.39 ^k	13.57 ⁿ		11.857 (23)	11.561 (28)	11.457 (23) ^T			-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 ^T				5153		16.75 ^k	15.7 ⁿ		12.941 (26)	12.529 (30)	12.352 (24) ^T			-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 ^T				5154		16.43 ^k	15.19 ⁿ		12.573 (26)	12.039 (31)	11.882 (26) ^T			-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 ^T				5155		16.32 ^k	14.7 ⁿ		11.761 (26)	11.025 (29)	10.844 (19) ^T			-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 ^T									15.910 (90)	15.182 (107)	14.354 (0) ^T			1.1 (3.8)	-3 (4)						
1764	21:35:59.06	57:30:23.3 ^T									14.499 (47)	13.864 (57)	13.402 (46) ^T			13.3 (4.1)	16.8 (4.1)						
1765	21:36:03.89	57:27:12.2 ^T									14.700 (42)	13.077 (37)	12.297 (24) ^T									no opt. cp.	
1766	21:36:06.06	57:26:34.2 ^T									17.635 (0)	15.540 (0)	14.450 (82) ^T									no opt. cp.	
1767	21:36:07.45	57:34:29.7 ^T									14.806 (43)	13.832 (0)	12.914 (0) ^T			7.1 (4)	-21.2 (4)					near 1561	
1768	21:36:07.98	57:26:37.1 ^T									18.366 (0)	17.484 (0)	14.507 (88) ^T									no opt. cp.	
1769	21:36:14.20	57:27:57.8 ^T									15.265 (51)	14.520 (56)	14.395 (74) ^T			-31.5 (4.2)	11.2 (4.2)						
1770	21:36:16.65	57:28:40.5 ^T									17.017 (198)	14.958 (86)	14.026 (56) ^T									no opt. cp.	
1771	21:36:17.00	57:26:39.9 ^T									14.604 (31)	13.783 (40)	13.405 (37) ^T									very faint opt. cp.	
1772	21:36:23.69	57:32:45.2 ^T									14.685 (45)	13.650 (45)	13.105 (35) ^T			-9 (5.2)	-11.3 (5.2)						
1773	21:36:33.00	57:28:49.4 ^T									15.816 (76)	14.827 (70)	14.220 (64) ^T									no opt. cp.	

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpTClass	A _v	μ _α	μ _δ	μ _α	μ _δ	μ _α	μ _δ	Comments
		J2000	DA	DA	2004											PPMXL		UCAC3		MVA		
	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	
1774	21:36:35.32	57:29:31.2 ^d				14.059 (44)						12.825 ()	12.223 () ^t			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 ^t				14.265 (27)						13.013 (31)	12.303 (25) ^t									no opt. cp.
1777	21:36:39.15	57:29:53.3 ^t				11.924 (21)						10.422 (28)	9.392 (21) ^t			-2.9 (5)	-23.4 (5)					
1778	21:36:41.46	57:30:27.8 ^t				15.921 (81)						14.293 (58)	13.542 (40) ^t									no opt. cp.
1779	21:36:41.65	57:32:17.5 ^t				16.147 (102)						14.901 (85)	13.796 (46) ^t									no opt. cp.
1780	21:36:43.98	57:29:28.7 ^t				14.232 (27)						13.012 (31)	12.364 (24) ^t			-7.7 (5.6)	0.4 (5.6)					no opt. cp.
1781	21:36:44.01	57:28:46.8 ^t				12.949 (21)						12.559 (26)	12.501 (24) ^t			-11.5 (4)	1.6 (4)					
1782	21:36:46.60	57:29:38.5 ^t				16.458 ()						15.194 (187)	12.673 (38) ^t									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 ^t				15.666 (68)						13.956 (43)	13.286 (34) ^t									no opt. cp.
1786	21:36:54.50	57:30:05.2 ^t				13.948 (27)						12.045 (31)	10.926 (23) ^t									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 ^t				16.341 ()						15.700 (151)	13.837 (60) ^t									no opt. cp.
1789	21:36:55.21	57:30:30.1 ^t				14.714 (78)						12.665 (63)	11.382 (34) ^t									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 ^t				16.991 (187)						14.564 (57)	13.195 (30) ^t									no opt. cp.
1792	21:36:57.84	57:30:56.1 ^t				17.425 ()						15.365 (135)	14.000 (72) ^t									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 ^t				17.551 ()						16.181 (218)	14.615 (93) ^t									no opt. cp.
1795	21:37:02.00	57:31:55.3 ^t				15.871 (87)						13.808 (44)	12.881 (30) ^t									no opt. cp.
1796	21:37:02.32	57:31:15.3 ^t				16.946 ()						15.588 ()	13.254 (45) ^t									no opt. cp.
1797	21:37:05.20	57:30:02.2 ^t				16.308 ()						15.599 ()	15.124 (155) ^t									no opt. cp.
1798	21:37:07.71	57:32:11.0 ^t				14.606 (35)						13.785 (39)	13.522 (47) ^t									very faint opt. cp.
1799	21:37:08.02	57:34:09.5 ^t				9.617 (22)						8.373 (28)	7.860 (20) ^t					-32.7 (6.4)	126.3 (6.8)			
1800	21:37:09.44	57:30:36.7 ^t				13.884 (30)						13.036 (34)	12.648 (33) ^t									
1801	21:37:10.14	57:31:26.6 ^t				14.972 (46)						14.241 (55)	13.806 (59) ^t									no opt. cp.
1802	21:37:24.10	57:24:11.5 ^t				14.198 (66)						13.293 (77)	12.821 (47) ^t			-21.7 (4.1)	-31.8 (4.1)					
1803	21:37:48.93	57:23:21.0 ^t				14.657 (55)						13.682 (63)	13.252 (49) ^t			1.7 (5.4)	-0.7 (5.4)					
1804	21:38:09.25	57:20:19.9 ^t				13.918 (31)						12.958 (33)	12.477 (23) ^t			-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 ^t				12.590 (25)						11.686 (29)	11.312 (18) ^t			-0.9 (3.8)	-8.9 (3.8)	2.1 (10.4)	6 (10.4)			
1807	21:39:31.05	57:47:14.0 ^t				12.410 (27)						11.491 (28)	11.023 (23) ^t					9.1 (8.7)	3.4 (8.4)			
1808	21:40:14.38	57:40:50.8 ^t				13.530 (40)						12.481 (32)	12.053 (26) ^t									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 ^t										13.942 (32)	12.996 (32)			-11 (3.9)	-6.1 (3.9)					
1817	21:39:26.15	57:00:09.3 ^t				13.34 ^f	12.77 ^e					11.602 (21)	11.333 (28)			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 ^t										13.658 (27)	13.010 (37)	F1 ^e								
1819	21:38:32.85	57:29:18.4 ^t										14.524 (53)	13.749 (40)									
1820	21:38:42.83	57:28:54.8 ^r										12.174 (23)	11.442 (28)									
1821	21:38:43.70	57:31:03.3 ^t										14.483 (45)	13.617 (41)									
1822	21:38:49.68	57:31:55.6 ^t										13.474 ()	13.032 (48)									
1823	21:38:50.41	57:30:05.1 ^r										13.472 (25)	12.683 (35)									
1824	21:38:50.99	57:28:42.7 ^t										13.331 (34)	12.592 (40)									
1825	21:38:54.65	57:29:25.0 ^t										13.932 (91)	12.775 ()									
1826	21:38:56.18	57:28:58.6 ^t										13.714 (50)	13.042 (41)									

Table A1 Literature data for stars in Trumpler 37 – continued

No.	RA	Dec	MVA	WEB-	SHB-	U	B	V	R	I	J	H	K	SpTClass	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
		J2000	DA	2004												PPMXL		UCAC3		MVA	[j]		
	hh:mm:ss.ss	dd:mm:ss.s			mag	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 (0) ^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 (0)	13.557 (71)	13.130 (0) ^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 (0)	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 (0)	16.098 (0)	15.200 (141) ^r										
1857	21:36:47.16	57:29:52.6 ^r									14.184 (0)	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 ^r									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 (0)	16.019 (0)	15.125 (145) ^r										
1863	21:36:40.48	57:30:25.8 ^r									16.008 (104)	14.335 (53)	13.753 (0) ^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 (0)	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 (0)	15.136 (140) ^r										
1873	21:36:54.58	57:31:50.1 ^r									16.840 (187)	15.577 (0)	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 (0)	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-	SHB-	U	B	V	R	I	J	H	K	SpTClass	A_V	μ_α	μ_δ	μ_α	μ_δ	μ_α	μ_δ	Comments	
		J2000		DA	2004											PPMXL		UCAC3		MVA [j]			
	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 ^t				16.032 (138)	15.207 (183)	14.635 (112) ^f							1 (9.3)	-10.5 (9.3)							
1881	21:36:54.65	57:32:29.1 ^t				17.506 ()	15.976 ()	14.963 (150) ^f															
1882	21:36:51.54	57:32:53.4 ^t				16.082 (81)	15.203 (94)	14.749 (101) ^f															
1883	21:36:59.85	57:32:56.1 ^t				15.700 (76)	14.874 (85)	14.851 (111) ^f															
1884	21:36:25.97	57:33:10.3 ^t				14.883 (46)	14.195 (54)	13.958 (58) ^f															
1885	21:36:36.40	57:33:14.4 ^t				16.611 (148)	15.853 ()	15.672 () ^t															
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 ^t				15.127 (45)	14.563 (58)	14.316 (66) ^f															
1888	21:36:12.98	57:34:05.5 ^t				15.055 (47)	14.118 (41)	13.690 (40) ^f															
1889	21:36:16.09	57:34:48.6 ^t				11.836 (21)	11.068 (26)	10.835 (22) ^f															
1890	21:36:45.97	57:34:55.1 ^t				15.153 (73)	14.501 (67)	14.303 (72) ^f															
1891	21:36:25.59	57:35:46.4 ^t				14.715 (40)	14.417 (48)	14.290 (65) ^f															

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 Alkansas (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	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	cess	bility	[j]	(JHK)	(models)	
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s						[d]	[a,e,f]		mag	M_{\odot}	
2		93																	
3		0																	
4		92																	
6		9																	
8		94																	
9		90																	
12		37																	
13		89																	
14		0																	
15		79																	
18		14																	
19		78																	
20	44.9 ^h	83									l								
21		0																	
23		86																	
24		79																1.52	1.9
26		0																	
27		92																	
28		84																	
30		83																	
31		78																	
32		73																	
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																	
41		94																1.65	2.2
42		52																	
45		0																	
46		80																	
47		81													l				
49		0																	
50		0																1	4
51	30 ^h	93									l				l				
52		84																	
53	-22.2 ^h	94									m								2.7
54		62																	
55		0																	
56		0																5.76	5
57		13																2.03	2.2
59		93																0.06	1.5
60		84																0.37	5
63		34																	
64		46																	
68		87																	
69		89																	
71		94																	
72		93																	
73		2																	
74	3.9 ^h	86									l								
75		93																	
76		92																	
77		20																	
78		71																	
81		0																	
83		89																	1.4
84		59																	
85		0																	
88		0																	
89		0																0.56	3
91		0																	
92		75																	
94		0																	
95	12.7 ^h	92									l							0.52	3.5
96		32																0.46	1.5
97		88																	
99		0																	
100		93																	
102		88																	
103		90																	
104		92																	
105		87																	

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

No.	RV	PM	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	[d]	[a,e,f]	[j]	(JHK)	(models)	
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s									mag	M_{\odot}	
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	2.9 ^h	88									1						h		
128		92															h		
129	27.2 ^h	93									1						h	0.02	2.2
130	30.2 ^h	89									1						h		
131	45.6 ^h	89									1						h		
132		0															l		
133		68															m		
134		0															l		
135	-15.8 ^h	94									h						h	0.03	2
136		30															l		
137		14															l		
139		0															l		
144		91															h		
145		89															h		
146	4.9 ^h	88									1						h	0.06	1.7
147		0															l		
148		51															m	0.18	4
149		16															l		
150		90															h		
151	13.2 ^h	86									1						h	0.28	1.5
152		90															h		
154		94															h		
155		94															h		
156		0															l		
160		84															h		
163	12.4 ^h	92									1						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	43.4 ^h	93									1						h		
184		70															m		
188		81															h		
189		93															h		
190		78															h		
192		0															l		
195	63.7 ^h	94									1						h	3.57	4
197		73															m		
198		81															h		
199	4.1 ^h	90									1						h		
201		0															l		
202		92															h		
203																		0.35	0.3
204		0															l		
206	-53.7 ^h	87									1						h	0.34	1.8
209	26.8 ^h	88									1						h		
210		0															l		
211	0.6 ^h	82									1						h		1.7
216		0															l		
218		64															m		
219		0															l		
220		93															h		
226	11.3 ^h	89									1						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	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass	
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	[d]	[a,e,f]	[j]		(JHK)	(models)	
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s										mag	M_{\odot}	
231		91																		
232	11.3 ^h	87									l							0.68	1.4	
233		0																		
234		5																		
236		93																		
238		0																		
239	16.5 ^h	92									l							0.26	1.4	
240		93																		
241		0																		
242		47																		
243		91																		
245		0																		
246		0																		
247		90																		
248	-18.6 ^h	92									m							0.51	1.3	
249	-18.6 ^h	92									m							0.16	1.85	
250		0																3.81	0.1	
251		49																		
254		2																		
255		2																		
258		33																		
259		76																		
260		4																		
261		90																		
262		0																		
263		79																		
264		0																		
265		93																		
266	-17.9 ^h	93									h									
267		0																		
268		93																		
269		49																		
270		7																		
271	-81.3 ^h	93									l									
272		92																		
273		0																		
274		81																		
281		43																		
282		0																		
283	15.4 ^h	90									l							0.18	1.4	
285		9																		
286		92																		
287		72																		
288		79																		
289		0																		
290		39																1.62	2.7	
291		77																		
292		90																		1.3
293		0																		
294		33																		
295	-74.2 ^h	94									l									
296		92																1.72	0.37	
297		0																		
298		94																		
299	0.6 ^h	90									l									
300		60																		
301	-87.9 ^h	87									l									
302		93																		
303		29																		
305		0																		
306		94																		
307		67																		
308		37																		
309		3																		
310		89																		
311		93																		
315		85																		
316		85																		
317		85																		
318		0																		
319		26																		
320		12																		
321		70																		
323		93																		

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

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

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

No.	RV	PM	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	[d]	[a,e,f]	[j]		(JHK)	(models)
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s										mag	M_{\odot}
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															l		
608		5															m		
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	PM	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	[d]	[a,e,f]	[j]	(JHK)	(models)	
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s									mag	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	PM	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Varia-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}				[c]	[b]	[d]	[a,e,f]	[j]	(JHK)	(models)	
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s									mag	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	EW(Li)	EW(Li)	EW(H α)	EW(H α)	\dot{M}	$L_{X,c}$	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex-	Vari-	PM	A_V	Mass
	km/s	[j]	max	min	max	min	10^{-8}	10^{30}										(JHK)	(models)
		%	Å	Å	Å	Å	M_{\odot}/yr	erg/s				[c]	[b]	[d]	[a,e,f]	[j]		mag	M_{\odot}
773		19																	
774		92																	
775		91																	
776		70																	
777		0																	
778		84																	
779		0																	
780		0																	
781		94																	
782		0																1.85	3.5
783		94																	
784		0																	
785		0																	
786		87																	
787		0																1.73	5
788		7																	
789		83																	
790		18																	
791		93																	
792		83																	
793		36																	
794		11																	
795		41																	
796		89																	
797		5																	
798		74																	
799		0																	
800		8																	
801		90																	
802		1																1.32	2.85
803		73																	
804		92																	
805		37																	
806		0																	
807		85																	
808		0																	
809		26																	
810		88																	
811		0																	
812		92																	
813		0																	
815		79																	
816		93																	
817		93																0.55	3
818		0																	
819		0																1.09	7
820		55																	
821		0																	
822		91																	
823		92																	
824		0																	
825		87																	
826		85																0.53	1.75
827		11																	
828		50																	
829		48																	
830		87																	
831		0																	
832		0																	
833		87																	
834		0																	
835		0																	
836		0																	
837		8																	
838		75																	
839		81																	
840		0																	
841		94																	
842		93																	
844		86																7.94	0.1
845		86																1.78	2.5
846		0																	
847		6																	
848		0																1.41	5

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

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

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 [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) 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(H α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) M $_{\odot}$
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(H α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	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 km/s	PM [j] %	EW(Li) max Å	EW(Li) min Å	EW(H α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) 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																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																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																0.66	3.5
1267		91																	h
1268		0																	l
1269		94																	h
1270		85																0.11	2.35
1271		22																	l
1272		2																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 km/s	PM [j] %	EW(Li) max Å	EW(Li) min Å	EW(H α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray [d]	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) M $_{\odot}$
1276		91																	
1277		86																	
1278		0																	
1279		91																	
1280		61																	
1281		93																	
1282		77																	
1283		80																	
1284		23																	
1285		0																	
1286		31																	
1287		4																	
1288		65																	
1289		65																	
1290		16																	
1291		94																	
1292		93																	
1293		83																	
1294		93																	
1295		0																	
1296		35																	
1297		35																	
1298		93																	
1299		0																	
1300		92																	
1301		36																	
1302		80																	
1303		64																	
1304		15																	
1305		79																	
1306		93																	
1307		14																	
1308		93																	
1309		2																	
1310		0																	
1311		93																	
1312		84																	
1313		8																	
1314		14																	
1315		93																	
1316		0																	
1317	-57.6 ^h	90								1									
1318		78																	
1319		93																	
1320		1																	
1321		84																	
1322		71																	
1323		90																	
1324		92																	
1325		84																	
1326		84																	
1327		93																	
1328		89																	
1329		3																	
1330		82																	
1331		88																	
1332		74																	
1333		74																	
1334		0																	
1335		36																	
1338		0															0.56	3	
1339		90																	
1340		0																	
1341		0																	
1342		3																	
1343		94																	
1344		86															0.95	2	
1346		0																	
1347		0																	
1348		86															0.66	1.3	
1349		0																	
1350		89																	
1351		94																	
1352		51																	

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 α) max Å	EW(H α) min Å	\dot{M} 10^{-8} M_{\odot}/yr	$L_{X,c}$ 10^{30} erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) M_{\odot}
1353		0																	
1354		0																	
1355		94																	
1356		0																	
1357		88																	
1358		94																	
1359		88																	
1360		77																	
1361		93																	
1362		94																	
1363		12																	
1364		30																	
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	h	h	h				
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	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 ^e	-4 ^c	0	w ^c		h	l	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	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	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	l				

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

No.	RV	PM [j]	EW(Li) max Å	EW(Li) min Å	EW(H α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV	\dot{M}	X-ray	IR ex- cess	Varia- bility	PM	A_V (JHK) mag	Mass (models) M $_{\odot}$
	km/s	%										[c]	[b]	[d]	[a,e,f]	[j]			
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		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	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	
1444			0.7 ^c		-7 ^c		0	w ^c		h	l	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		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	-8 ^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	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	h	m	h	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	h		1	0.1	
1463	-13.8 ^c				-11 ^c			c ^c		h	h	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	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	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	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	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	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	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	l	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 ^e		-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	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	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	PM [j]	EW(Li) max	EW(Li) min	EW(H α) max	EW(H α) min	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	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							
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				
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 ^e	<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 ^c	0.41		c ^c	h	h	h	h			h		0.66	0.1
1526	-14.9 ^c						0		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 ^e	h	l	h	l		h	h			
1529	-11.4 ^c				-33 ^c	-61 ^c	0.18		c ^c	h	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	h	h		h	h		0.11	0.1
1531	-13.1 ^c		0.4 ^c		-5 ^c	-5.4 ^e	0		w ^e	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	h	m	m		h	h		1.26	0.1
1534			1.3 ^c		-4 ^c		0		w ^e	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 ^e	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	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				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 ^e	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 ^e	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 ^e			h	l						
1577	-15.8 ^c				-21 ^c	-34 ^c	<0.1		c ^c	h	h	m			l				
1578	-5.1 ^c								w ^c			m							

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 α) max Å	EW(H α) min Å	\dot{M} 10 ⁻⁸ M $_{\odot}$ /yr	$L_{X,c}$ 10 ³⁰ erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Varia- bility [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) M $_{\odot}$
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			h				
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 km/s	PM [j] %	EW(Li) max Å	EW(Li) min Å	EW(H α) max Å	EW(H α) min Å	\dot{M} 10^{-8} M_{\odot}/yr	$L_{X,c}$ 10^{30} erg/s	TTS	Li	H α	RV [c]	\dot{M} [b]	X-ray	IR ex- cess [d]	Vari- ability [a,e,f]	PM [j]	A_V (JHK) mag	Mass (models) M_{\odot}
1779																			
1780																			
1781																			
1782																			
1784																			
1785																			
1786																			
1787																			
1788																			
1789																			
1790																			
1791																			
1792																			
1793																			
1794																			
1795																			
1796																			
1798																			
1800																			
1801																			
1802						-60 ^c													
1803						-42 ^c													
1804	-22 ^c					-17 ^c													
1805	-17.3 ^c																		
1806	-14.4 ^c																		
1807	-15.8 ^c					-16 ^c													
1808	-12.2 ^c					-46 ^c													
1809																			
1810																			
1811																			
1814																			
1815																			
1816	-15 ^c							5.53	w: ^c										
1817																			
1818								16.9	W ^b										
1819								0.75	W ^b										
1820								3.45	W ^b										
1821								2.68	W ^b										
1822								0.77	W ^b										
1823								2.17	W ^b										
1824								2.71	W ^b										
1825								1.98	W ^b										
1826								1.46	W ^b										
1827								3.47	W ^b										
1828								3.29	W ^b										
1829								19.8	W ^b										
1830								3.04	C ^b										
1831								3.47	W ^b										
1832								2.58	C ^b										
1833								0.81	W ^b										
1834								3.21	W ^b										
1835								3.08	W ^b										
1837																			
1838																			
1840																			
1845																			
1846																			
1847																			
1848																			
1856																			
1857																			
1866																			
1869																			
1872																			
1875																			
1876																			
1877																			

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 H α 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 described in the text. The last column contains the masses determined 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 α emission: **if spectral type earlier than K0 and EW(H α) < 0 \rightarrow h, if spectral type later than K0 we follow White & Basri (2003) to distinguish between h and l.**
- radial velocity (RV): if within 1σ (3.6 km/s) around -15 km/s \rightarrow h, if within 3σ \rightarrow m, otherwise l.
- Accretion: if $\dot{M} > 0.05 \cdot 10^{-8} M_{\odot}/\text{yr}$ \rightarrow h, if $\dot{M} > 0 \cdot 10^{-8} M_{\odot}/\text{yr}$ \rightarrow m, if $\dot{M} = 0 \cdot 10^{-8} M_{\odot}/\text{yr}$ \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.