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Target selection for the SUNS and DEBRIS surveys for debris discs in the solar neighbourhood

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ABSTRACT

Debris discs – analogous to the Asteroid and Kuiper-Edgeworth belts in the Solar system – have so far mostly been identified and studied in thermal emission shortward of 100 μm. The *Herschel* space observatory and the SCUBA-2 camera on the James Clerk Maxwell Telescope will allow efficient photometric surveying at 70 to 850 μm, which allow for the detection of cooler discs not yet discovered, and the measurement of disc masses and temperatures when combined with shorter wavelength photometry. The SCUBA-2 Unbiased Nearby Stars (SUNS) survey and the DEBRIS *Herschel* Open Time Key Project are complimentary legacy surveys observing samples of $\sim$500 nearby stellar systems. To maximise the legacy value of these surveys, great care has gone into the target selection process. This paper describes the target selection process and presents the target lists of these two surveys.

Key words: solar neighbourhood – stars: statistics – circumstellar matter – surveys – stars: distances

1 INTRODUCTION

The solar neighbourhood is an ideal testing ground for the study of debris discs and planetary systems. Proximity maximises dust mass sensitivity and can allow systems to be spatially resolved. Systems near the Sun span a wide range of stellar parameters e.g., mass, age, metallicity, multiplicity. Whilst determining these parameters may not be easy, the diversity included in volume limited samples makes them ideal for legacy surveys where one may wish to investigate trends as a function of many system parameters.

This paper presents five all-sky volume limited samples of nearby stellar systems with main-sequence primaries of spectral type A,F,G,K,M. These form the basis of the target lists of two complimentary surveys for debris discs using the SCUBA-2 (Submillimetre Common User Bolometer Array 2; Holland et al. 2003; Audley et al. 2004) camera on the James Clerk Maxwell Telescope (JCMT), and the *Herschel* space observatory (Pilbratt 2008).

The SCUBA-2 Unbiased Nearby Stars survey (SUNS; Matthews et al. 2007) is a large flux-limited survey of 500 systems at 850 μm. The target flux RMS is 0.7 mJy/beam, equal to the extragalactic confusion limit of the JCMT at 850 μm. Shallow 450 μm images of varying depth will be obtained simultaneously, and deep images at 450 μm will be proposed to follow-up 850 μm detections.

The Disc Emission via a Bias-free Reconnaissance in the Infrared/Sub-millimetre (DEBRIS) *Herschel* Open Time Key Program will image 446 systems (356 in common with SUNS) at 110 and 170 μm using the PACS (Photodetector Array Camera and Spectrometer; Poglitsch et al. 2008) instrument, with follow-up of around 100 systems at 250, 350 and 500 μm using the SPIRE (Spectral and Photometric Imaging Receiver; Griffin et al. 2008) instrument. This survey is primarily driven by the 110 μm band, which has the highest dust mass sensitivity for cold discs such as the Kuiper-Edgeworth belt of our Solar System. The intended flux RMS at 110 μm is 1.2 mJy/beam, which is twice the predicted extragalactic confusion limit. 170 μm images are taken simultaneously with a predicted RMS of 1.7 mJy/beam, equal to the predicted extragalactic confusion limit in this band.

The primary goals of these surveys are statistical: In general how do debris disc properties vary with stellar mass, age, metallicity, system morphology (multiplicity, component masses, separations), presence of planets etc. To be able to answer so many questions, and to minimise the risk of un-

foreseen selection effects, large samples and simple, clearly defined target selection criteria are required. Volume limited samples satisfy these requirements, and as well as maximising the proximity of the targets, the stars nearest the Sun are very widely studied. For example, nearby stars are the main targets of radial velocity, astrometry and direct imaging planet searches. The majority of SUNS and DEBRIS targets also have photometry at 24 and 70 μm from the MIPS (Multiband Imaging Photometer and Spectrometer) instrument on the *Spitzer* space telescope, which ceased operation at the end of March 2009. This large spectral coverage, from 24 to 850 μm for over 300 systems will be an incredible resource for detailed spectral energy distribution modelling of systems with debris discs.

Given that we are considering the closest systems to the Sun, substantial effort was required to compile the samples presented here. Late M-type stars within 10 pc are still being discovered (e.g. Henry et al. 2006), and complete homogeneous datasets covering the spectral type and distance ranges we consider do not exist. We have tried to make our sample selection using the most complete and accurate data available at the time of the DEBRIS proposal submission in October 2007.

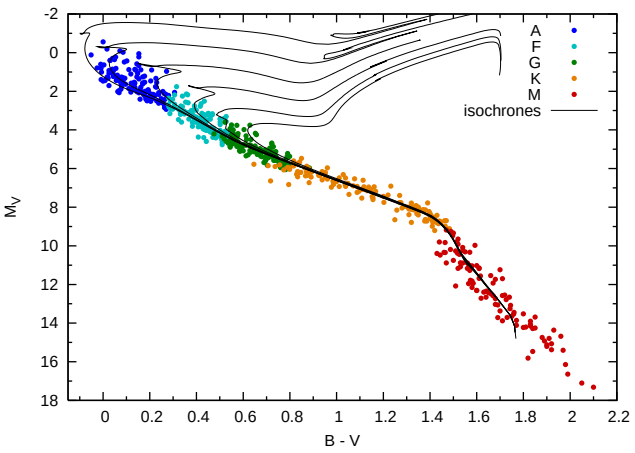

Figure 1. Johnson B,V absolute colour-magnitude diagram for system primaries. Overlaid are [Fe/H] = 0.0, [α/Fe] = 0.0 isochrones from the Dartmouth Stellar Evolution Database (Dotter et al. 2008) with ages of 0.25, 0.5, 1, 2, 4, 8 Gyr (with turn-offs going from left to right). The photometry is mostly converted from Tycho photometry (Tycho-2 or TDSC) using transformations for unreddened main-sequence stars. For most M-type targets Johnson B,V photometry from various sources was used (see text). Note that primaries in some close binaries are not individually resolved in this photometry.

2 SELECTION CRITERIA

Our systems all have primaries (defined here as the component with the brightest visible magnitude) which we believe are main-sequence (i.e. hydrogen burning) stars. The sample is split into 5 volume limited subsamples based on spectral type: A, F, G, K, M. In the rest of this paper we use the term "X-type system" to mean "system with X-type primary". Using separate subsamples is necessary due to the steep nature of the stellar mass function, which for example means that a single volume limited sample would contain over 100 times as many M-type systems as A-type systems. The choice of using spectral types to split the sample, rather than stellar mass, is purely practical as, with the exception of certain binary systems, stellar masses cannot be directly determined observationally. Using spectral types does however have the effect that the subsamples cover quite different ranges in logarithmic mass space.

The early type, upper mass, limit of A0 is chosen as stars of earlier type are too rare in the solar neighbourhood to build a suitably large sample. A conservative late type limit of M7.0 was chosen to avoid the inclusion of any brown dwarfs, and also to improve the completeness of the M-type sample. M-type stars span the largest $\log M$ range of any of our spectral classes, so making a cut at M7.0 will not restrict the statistical usefulness of the sample.

We do not discriminate against multiple star systems, and they are included naturally within the volume limits. We consider common proper motion stars (with compatible parallax where available) as members of the same system, with no specific limit on the binary separation. We have not gone so far as to consider stars with common space motion but large ($\gg 1^\circ$) angular separation as systems. This definition of system membership was primarily chosen for convenience of target selection, but fits well with the statistical goals of these surveys. With the exception of stars in moving groups, each system can be considered to represent a different point in age and composition. The fact that several interesting objects (e.g. with known IR excess, or planets) are considered here as secondaries does not affect the statistical usefulness of the sample, although it has the disadvantage that such objects may not be observed by these surveys (see below).

The number of systems in each subsample was determined by the selection criteria for SUNS, which required 100 systems in each subsample in the declination range $-40^\circ < \delta < +80^\circ$. Hence the all-sky samples presented here contain roughly 123 ($100 \times 2/(\sin 80^\circ + \sin 40^\circ)$) systems each. The SUNS sample sizes were chosen to allow detection rates for various subsets e.g. planet hosts to be distinguished (see Matthews et al. 2007).

The DEBRIS target list comprises the nearest systems presented here (all-sky), subject to a cut in the predicted 110 μm cirrus confusion level towards each system. The confusion prediction was taken from the Herschel Confusion Noise Estimator (HCNE), which is part of the Herschel Observation Planning Tool (HSPOT). Systems with total predicted confusion for point-source detections greater than 1.2 mJy/beam, corresponding to twice the predicted extragalactic confusion limit, were rejected. To maximise the number of systems observed, DEBRIS will not image secondary components in systems where they will not fit in the PACS point-source field of view (FoV) ($150'' \times 50''$ with unconstrained orientation) with the primary. This will affect between 20 and 49 systems depending on the actual field orientations.

The SUNS target list is simply the nearest 100 systems in each subsample here which have $-40^\circ < \delta < +80^\circ$ (with this sample it does not make any difference whether the cut is made in B1950 or J2000/ICRS equinox declination, but J2000/ICRS should be assumed). The large ($\sim 600'' \times 600''$) FoV of SCUBA-2 means that a maximum of 13 systems will have components not observed with the primary star.

Table 1. Summary of subsample properties. $d_{\rm max}$ and $N_{\rm tot}$ are the maximum distance and number of stars in each subsample. ρ is the volume number density of systems, $\rho = N_{\rm tot}/d_{\rm max}^3 \pm \rho/\sqrt{N_{\rm tot}}$. Med($T_{\rm eff}$) is the median $T_{\rm eff}$, and $\sigma_{T_{\rm eff}}$ is the standard deviation of $T_{\rm eff}$ within each subsample. $N_{\rm planet}$ is the number of systems where one or more stars are listed as planet hosts in the `exoplanet.eu` database (27 July 2009). $N_{\rm debris}$ is the number of systems containing a currently detected debris disc (or other indistinguishable IR excess) as indicated by any of Rhee et al. (2007); Beichman et al. (2006); Su et al. (2006); Trilling et al. (2007). $N_{\rm SUNS}$ and $N_{\rm DEBRIS}$ are the numbers of systems from this paper included in the SUNS and DEBRIS surveys respectively.

Subsample	$d_{\rm max}$ (pc)	$N_{\rm tot}$	ρ (pc^{-3})	Med($T_{\rm eff}$) (K)	$\sigma_{T_{\rm eff}}$ (K)	$N_{\rm planet}$	$N_{\rm debris}$	$N_{\rm SUNS}$	$N_{\rm DEBRIS}$
A	45.5	130	0.0014 ± 0.0001	8133	748	2	24	100	83
F	24.1	130	0.0093 ± 0.0008	6360	343	6	21	100	94
G	21.3	125	0.0129 ± 0.0012	5628	249	13	10	100	89
K	15.6	127	0.0335 ± 0.0030	4461	499	5	5	100	91
M	8.58	117	0.1855 ± 0.0171	3175	288	5	1	100	89
Total		629				31	61	500	446

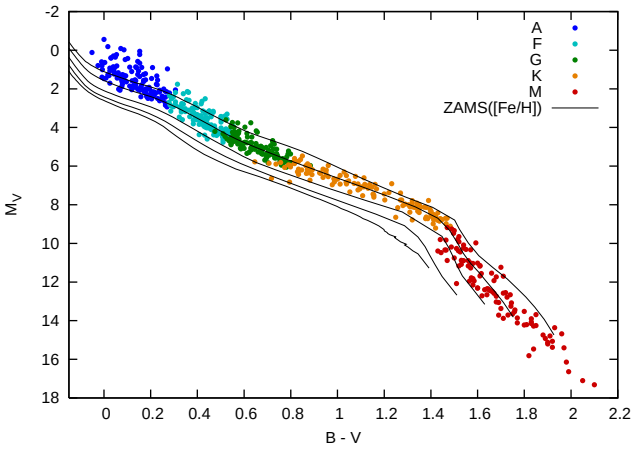

Figure 2. Johnson B,V absolute colour-magnitude diagram for system primaries as in figure 1. Overlaid with zero age main-sequences (ZAMS) for stars from $0.2\,M_\odot$ upwards with [Fe/H] = $+0.5, 0.0, -0.5, -1.0, -2.0$ (from top to bottom). The ZAMS curves are produced from [α/Fe] = 0.0, $Y = 0.245 + 1.6Z$ evolutionary tracks from the Dartmouth Stellar Evolution Database (Dotter et al. 2008), with values taken at 2% of the total lifetime of the stars.

Initially, it had been proposed to only include systems with primaries of spectroscopic luminosity classes V and IV-V. This criterion was retained for G, K and M classes, but was relaxed for A and F type stars, where there is not a simple relationship between luminosity class and evolutionary stage (e.g., Gray, Napier & Winkler 2001a; Gray, Graham & Hoyt 2001b). Candidates for the A and F samples (and other candidates without accurately known luminosity classes) were evaluated using their position on a Johnson B,V absolute colour-magnitude diagram. Figs 1 and 2 show such diagrams for the final sample overlaid with solar composition isochrones and zero age main sequences (ZAMS) for metallicities from +0.5 to −2.0. A certain amount of leeway had to be allowed for unknown metallicity, and uncertainties in photometry (e.g. unresolved secondaries in close binaries) and parallax.

3 SOURCES OF DATA

3.1 Parallaxes

Hipparcos-based parallaxes were taken from *Hipparcos, the New Reduction of the Raw Data* (HIPnr; van Leeuwen 2007) and several papers which applied special analysis to multiple systems (the *General Notes* issued with the original *Hipparcos* catalog (HIPgn, Perryman et al. 1997); Falin & Mignard 1999; Söderhjelm 1999; Fabricius & Makarov 2000). Parallaxes from HIPnr were used unless one of the other resources had a lower uncertainty. In cases where more than one of the other resources provided a parallax for the same *Hipparcos* system, we have have taken the parallax from the first resource in the order: Fabricius & Makarov (2000); Söderhjelm (1999); Falin & Mignard (1999); HIPgn. *Hipparcos* parallaxes from multiple resources for the same *Hipparcos* system were not averaged in any way to avoid underestimating the uncertainty in the averaged values, as they have all been reduced from the same data.

The other large parallax resource used was the 4th edition of the Yale General Catalog of Trigonometric Parallaxes (GCTP or YPC; van Altena et al. 1995), which contains approximately 2300 systems not measured by *Hipparcos* due to the magnitude limit of $V \sim 12$ and the targeted nature of the *Hipparcos* astrometry mission.

In addition, for many M dwarfs, parallaxes from several smaller papers were used (e.g., Henry et al. 2006; Jao et al. 2005; Costa et al. 2005; Hershey & Taff 1998; Benedict el al. 1999; Weis et al. 1999; Ducourant et al. 1998), as well as some unpublished values from the RECONS consortium (Henry, private communication).

Where reliable parallaxes from multiple independent sources, or separate parallaxes for individual components in a system, are available, we take an uncertainty weighted average:

$$\pi_{\rm adopted} = \frac{\sum_i \pi_i/\sigma_i^2}{\sum_i 1/\sigma_i^2} \quad \text{and} \quad \sigma_{\rm adopted} = \sqrt{\frac{1}{\sum_i 1/\sigma_i^2}}$$

Two or more parallaxes were used for 81% of systems, and three or more were used for 7% of systems. These cases are mostly due to overlap with *Hipparcos*- and ground-based (e.g. YPC) parallaxes.

3.2 Spectral Types

For A-K type stars we have used spectral types from Gray et al. (2003, 2006) where they were available. Gray et al. have been obtaining spectra and determining spectral types and stellar parameters ($T_{\rm eff}$, $[M/H]$, $\log g$) for stars considered to be within 25 pc and of spectral type earlier than M0 or with no spectral type in the *Hipparcos* catalogue (HIP; Perryman et al. 1997). For stars without published Gray et al. types we have used types from the Michigan Catalogue of HD stars (Houk et al. 1975, 1978, 1982, 1988, 1999), which includes all HD stars south of $\delta_{\rm B1900} = +05°$. If types from neither Gray et al. or Houk et al. were available, we have fallen back on types in compilations such as the 5th revised edition of the Bright Star Catalogue (BSC5; Hoffleit 1991), HIP, or the 2nd edition of the Catalog of Components of Double & Multiple stars (CCDM; Dommanget & Nys 2002). These fall-back types are not considered to be accurate, and were largely ignored in the selection process in favour of photometry.

For ∼K5 and later stars we have generally used spectral types from the Palomar/MSU Nearby-Star Spectroscopic Survey (PMSU; Reid, Hawley & Gizis 1995; Hawley, Gizis & Reid 1996), which provides spectral types for almost all late-type stars in the 3rd Catalogue of Nearby stars (CNS3; Gliese & Jahreiss 1991). A large number of nearby M dwarfs also have measured spectral types in the system or Kirkpatrick, Henry & McCarthy (1991); however we have chosen to use PMSU types wherever possible for homogeneity. The difference between PMSU and Kirkpatrick et al. types is rarely more than one subtype. For newly discovered nearby M dwarfs not included in the PMSU, types in the Kirkpatrick et al. system (e.g. from Henry et al. 2006) have been adopted.

3.3 Photometry

Whilst distance and spectral type are our primary selection parameters, it was necessary to use photometry both for determining luminosity and when determining spectral class where only low accuracy spectral types were available. As distinguishing between dwarfs and giants for K/M type stars is very simple and because we had accurate spectral types for almost all candidates later than K5 (see above), photometry was only needed for the selection of systems on the G/K boundary and earlier. All of these candidates are bright enough to have sufficiently accurate photometry in the Tycho-2 catalogue (Høg et al. 2000), the Tycho Double Star Catalogue (TDSC; Fabricius et al. 2002), or the Tycho catalogue (Høg et al. 1997). Where there has been a need to convert between Tycho and Johnson photometry we have used the relationships in Høg et al. (2000).

3.4 Astrometry

Accurate positions and proper motions were necessary both for matching entries in the various catalogues used, and for finding common proper motion companions. Where possible, astrometry from Salim & Gould (2003); Gould & Chanamé (2004); Deacon et al. (2005); Subasavage et al. (2005a,b); Finch et al. (2007); Henry et al. (2006); Jao et al. (2005) have been used. For stars not included or not resolved in these, we have used astrometry from the TDSC; Tycho-2; the Tycho Reference Catalogue (TRC; Høg et al. 1998); Tycho; Bakos, Sahu & Németh (2002); the Positions and Proper Motions catalogue (PPM; Röser & Bastian 1991, 1993; Röser et al. 1994); or the CCDM (in order of decreasing preference).

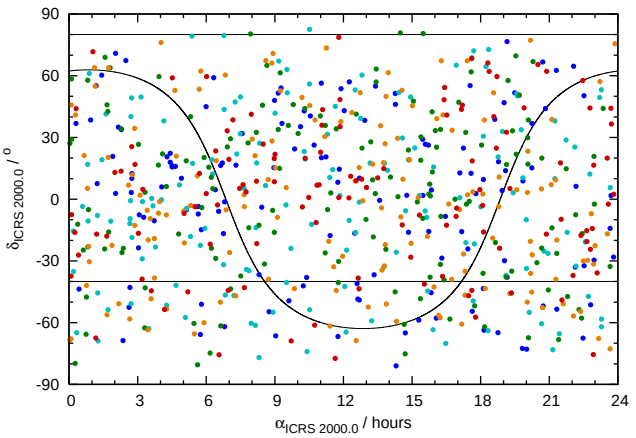

Figure 3. Distribution of all systems in ICRS equatorial coordinates. The SUNS declination limits of +80° and −40°, and the Galactic plane are shown.

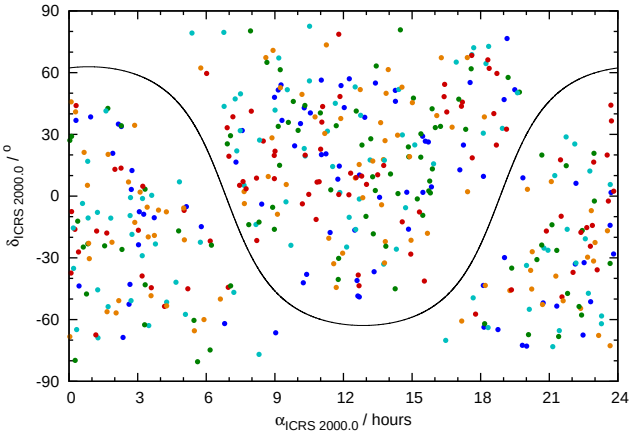

Figure 4. Distribution in ICRS equatorial coordinates of the 446 systems in the DEBRIS survey. The cut in predicted cirrus confusion means that there are few systems near the Galactic plane.

4 COMPONENTS OF MULTIPLE SYSTEMS

We have undertaken several steps to maximise the accuracy of the selection of components in multiple systems.

Using the database we have constructed for the purposes of the target selection, we have searched for stars with common proper motion to candidate targets. This not only yielded secondary stars which we had not previously identified, but also showed some candidates to be secondaries of other stars. In cases where common proper motion companions have independent parallax measurements, these have been checked to be compatible. Other common proper motion companions have been identified from literature, al-

Table 2. Reference abbreviations used in the text and tables. CDS is Centre de Données astronomiques de Strasbourg. For HIPnr we have used the data on the CDROM published with the book, as it had not been added to the CDS at the time.

Abbreviation	CDS catalogue(s)	Reference
2MASS	II/246	2MASS Point Source Catalogue (Cutri et al. 2003)
BSC5	V/50	Bright Star Catalogue, 5th Revised Ed. (Hoffleit 1991)
CCDM	I/274	Catalogue of Components of Double & Multiple stars (Dommanget & Nys 2002)
CNS3	V/70A	Catalogue of Nearby Stars, Preliminary 3rd Version (Gliese & Jahreiss 1991)
HIP	I/239	*Hipparcos* Main Catalogue (Perryman et al. 1997)
HIPgn	I/239	*Hipparcos* General Notes (Perryman et al. 1997)
HIPnr	I/311*	*Hipparcos*, the New Reduction of the Raw Data (van Leeuwen 2007)
LHS	I/279	Revised Luyten Half-Second catalogue (Bakos, Sahu & Németh 2002)
NLTT	J/ApJ/582/1011	Revised NLTT Catalog (Salim & Gould 2003)
PPM	I/{146, 193, 206, 208}	Positions and Proper Motions catalogue (Röser & Bastian 1991, 1993; Röser et al. 1994)
RECXX		RECONS unpublished parallaxes (Henry, private communication)
SCR	J/AJ/{129/413, 130/1658, 133/2898}	SuperCOSMOS-RECONS (Subasavage et al. 2005a,b; Finch et al. 2007)
TDSC	I/276	Tycho Double Star Catalogue (Fabricius et al. 2002)
TRC	I/250	Tycho Reference Catalogue (Høg et al. 1998)
TYC	I/239	Tycho catalogue (Høg et al. 1997)
TYC2	I/259	Tycho-2 catalogue (Høg et al. 2000)
YPC	I/238A	Yale Parallax Catalogue, 4th ed. (van Altena et al. 1995)
WDS	B/wds	Washington Visual Double Star Catalog (Mason et al. 2009)
ben99		Benedict el al. (1999)
bes90		Bessel. (1990)
cos05		Costa et al. (2005)
dea05	J/A+A/435/363	Southern Infrared Proper Motion Survey (SIPS, Deacon et al. 2005)
duc98		Ducourant et al. (1998)
egg74		Eggen (1974)
egg79		Eggen (1979)
egg80		Eggen (1980)
fab00	J/A+AS/144/45	Fabricius & Makarov (2000)
fal99	J/A+AS/135/231	Falin & Mignard (1999)
gou04	J/ApJS/150/455	Gould & Chanamé (2004)
gray03	J/AJ/126/2048	Gray et al. (2003)
gray06	J/AJ/132/161	Gray et al. (2006)
jao05		Jao et al. (2005)
hen06		Henry et al. (2006)
haw95	III/198	Palomar/MSU survey (North) (Reid, Hawley & Gizis 1995)
haw96	III/198	Palomar/MSU survey (South) (Hawley, Gizis & Reid 1996)
houk	III/{31B, 51B, 80, 133, 214}	Michigan Catalogue of HD stars (Houk et al. 1975, 1978, 1982, 1988, 1999)
her98		Hershey & Taff (1998)
leg92		Legget (1992)
rod74		Rodgers & Eggen (1974)
sod99	J/A+A/341/121	Söderhjelm (1999)
wei91		Weis (1991)
wei96		Weis (1996)
wei99		Weis et al. (1999)

though a systematic literature search for such companions has not been performed.

We have performed a complete check of all components listed in the CCDM as being in the CCDM systems of our targets. In many cases components listed in the CCDM are not physically associated (e.g. do not have common proper motion) with the target system. Many CCDM components have cross-identifications with other catalogues, so determining whether they have common proper motion is straightforward. For those without cross-identifications, or without accurate astrometry in other catalogues, only the astrometry in the CCDM could be used.

The process for determining system membership of CCDM components consisted of an automated search for components using the 2MASS Point Source Catalogue (Cutri et al. 2003), and the Tycho/Tycho-2 catalogues, followed by manual inspection of 2MASS and Schmidt survey images, as well as comparison with the Washington Double Star catalogue (Mason et al. 2009) in many cases. CCDM components found not to be comoving with the target systems, or not identified at all, are not included in the sample presented here, but are listed in comments in table 8.

5 SAMPLE PROPERTIES

Overall properties of the subsamples are presented in table 1, including the numbers of systems containing stars with detected planets and debris discs. Figs 3 and 4 show the distribution of systems on the sky.

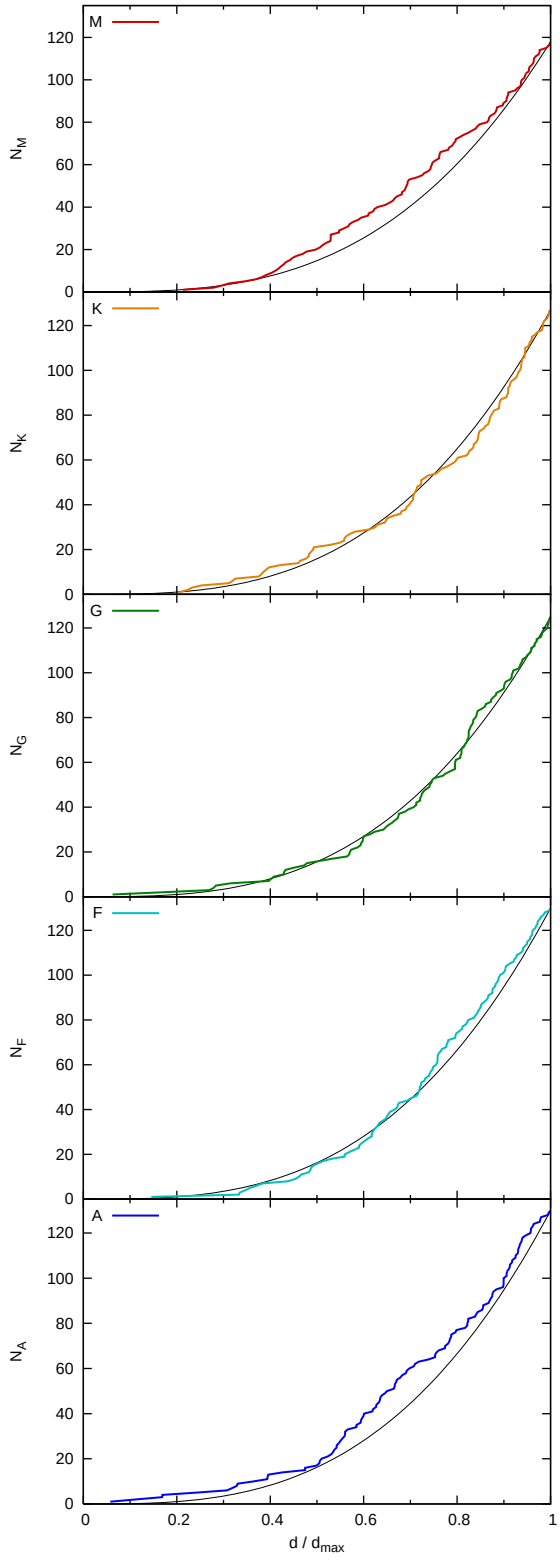

Figure 5. Number of included systems in each subsample as a function of distance ($d_{\rm max} = 8.58, 15.6, 21.3, 24.1, 45.5$ pc for M,K,G,F,A). For comparison the line $N = N(d_{\rm max})\left(\frac{d}{d_{\rm max}}\right)^3$ is shown. Note that the F,G,K subsamples fit well indicating no completeness trend with distance. The M subsample is likely incomplete beyond $\sim$6 pc.

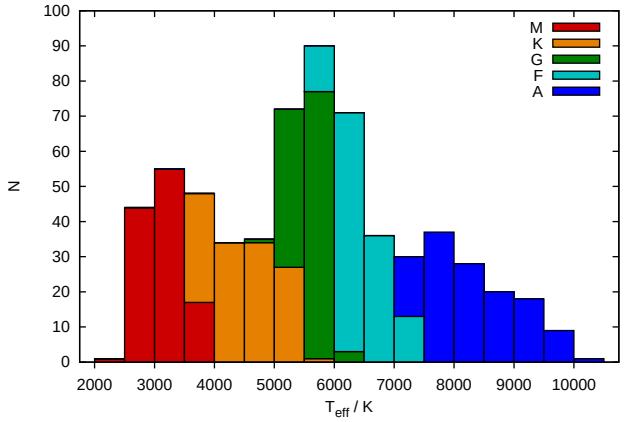

Figure 6. Histogram of number of primaries in 500 K $T_{\rm eff}$ bins. Contributions from each spectral type subsample are shown in colour. For A-K stars $T_{\rm eff}$ was derived from $(B_{\rm T}-V_{\rm T})$ (or $(B_{\rm J}-V_{\rm J}$ in a few cases where Tycho photometry was not available) using a polynomial fit against $T_{\rm eff}$ values from Gray et al. (2003, 2006) (see Fig. 7). $(B_{\rm T}-V_{\rm T})$ was used in preference to the more accurate temperature indicator $(V-K_{\rm s})$, as components are resolved at very small separations in Tycho-2/TDSC photometry. For M-type stars $T_{\rm eff}$ was derived from our adopted spectral type using $T_{\rm eff}$ values from Reid & Hawley (2005).

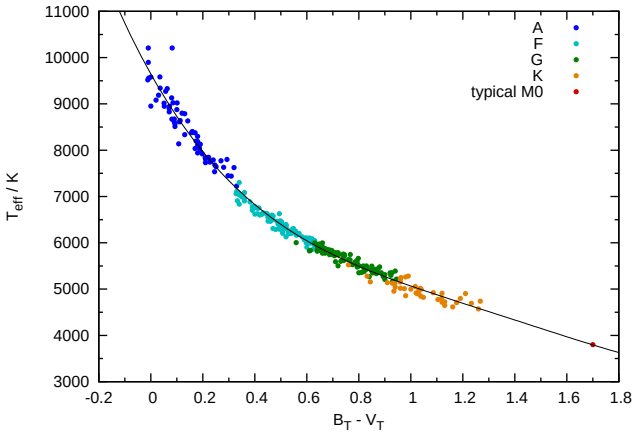

Figure 7. Gray et al. (2003, 2006) $T_{\rm eff}$ vs. $(B_{\rm T}-V_{\rm T})$ for primary stars in our sample, with 4th order polynomial fit. This fit was used to generate $T_{\rm eff}$ values for all A-K primaries for Fig. 6. A point for a typical M0 type star at $(1.70, 3800)$ was added to the fit to make it tie in with $T_{\rm eff}$ values for M type stars derived from spectral types using relationships in Reid & Hawley (2005).

5.1 Completeness

In Fig. 5, we show the number of systems as a function of distance for each of our subsamples. The F,G and K subsamples very closely follow a cubic law, indicating that we are justified to assume they are isotropically and homogeneously distributed in the relevant volumes and that we have no selection effects as a function of distance. For the M subsample there is almost certainly incompleteness at distances beyond $\sim$6 pc (see e.g. Henry, Kirkpatrick & Simons 1994) which will mostly affect the latest type stars. The deviation of the A subsample from the cubic law is likely a combination

of a slight lack of systems towards the Galactic poles at the largest distances, and correlation between system positions due to the young age of A stars.

5.2 Temperature Distribution

As our sample was split into subsamples based on spectral class, we expected to have a good coverage of effective temperature of primary stars from about 2500 to 10000 K (M7-A0 types). Fig. 6 shows the distribution of $T_{\rm eff}$ for primary stars in our sample in 500 K bins. The colours in the plot indicate the contributions from the five A-M subsamples. For A-K stars, $T_{\rm eff}$ was computed from $(B_{\rm T}-V_{\rm T})$ using a fit to $T_{\rm eff}$ for stars in our sample from Gray et al. (2003, 2006). $(B_{\rm T}-V_{\rm T})$ was chosen as opposed to other photometric colours such as $(B_{\rm J}-V_{\rm J})$ or $(V_{\rm T}-K_{\rm s})$, as accurate homogeneous $B_{\rm T}$ and $V_{\rm T}$ photometry that is resolved down to separations of $< 0.5''$ is available for almost all of our A-K primaries from the Tycho-2 and Tycho Double Star (TDSC) catalogues. The fit of $(B_{\rm T}-V_{\rm T})$ to Gray et al.'s $T_{\rm eff}$ values is show in Fig. 7. A fourth order least-squares polynomial fit was obtained:

$$\begin{aligned} T_{\rm eff}/{\rm K} \;=\; & (9646.15 \pm 37.6) \\ & -(10018.4 \pm 354.4)(B_{\rm T}-V_{\rm T}) \\ & +(9056.19 \pm 963.2)(B_{\rm T}-V_{\rm T})^2 \\ & -(4424.10 \pm 950.5)(B_{\rm T}-V_{\rm T})^3 \\ & +(807.378 \pm 302.8)(B_{\rm T}-V_{\rm T})^4 \end{aligned}$$

This agrees well with the fit of Ramírez & Meléndez (2005) with [Fe/H] = 0.0 for their range of validity of $0.344 < (B_{\rm T}-V_{\rm T}) < 1.715$. Our RMS of residuals is 150.7 K for 302 stars, which is higher than that of Ramírez & Meléndez (2005) (104 K for 378 stars), as we cover a larger temperature range, have not used [Fe/H] as a fit parameter, and have not accounted for interstellar reddening (although this should be almost negligible for our nearby star sample).

For M-type stars we determined $T_{\rm eff}$ simply from our adopted spectral type using values from Reid & Hawley (2005). The above photometric fit for A-K stars included a point representative of a typical M0 type star at $(B_{\rm T}-V_{\rm T}) = 1.70, T_{\rm eff} = 3800$ K to make the fit consistent with our M star temperatures at the K/M boundary.

The peak in the $T_{\rm eff}$ distribution at about 5700 K is due to the G and F spectral types covering a narrow range in $T_{\rm eff}$. Indeed, in retrospect, there would be justification for treating F and G types as a single spectral type sample.

6 CATALOGUE

Table 2 lists the reference abbreviations used throughout this paper and in the other tables. Tables 3-6 define the sample, and give information used in the selection process. Each system is given an identifier of the form XNNN where X is the spectral class (subsample) and NNN is a zero-padded running number increasing with distance in each subsample. These identifiers are referred to by the acronym UNS, standing for Unbiased Nearby Stars, as in the SUNS survey name.

The choice of name for components is generally in order of preference: HD, HIP, GJ, LHS, NLTT, TYC, PPM, CCDM, other catalogue name, 2MASS. For systems with multiple stars, the first identifier in that order which uniquely identifies the component is used. Where components are not resolved in any catalogues we have used, we just give a single entry and a comment in table 8.

Table 3 lists system properties, including the name of the primary star, our adopted distance, and whether the system is included in the SUNS and DEBRIS surveys.

Table 4 lists the components of systems which are resolved in at least one of the catalogues we have used, and gives positions and proper motions, as well as approximate separation from the primary where this is larger than $1''$. Where two references are listed for a component, the proper motion has been copied from another component in the system, and in several cases the position is computed using a relative position from the CCDM combined with the position of another component.

Tables 5 and 6 list the properties of primary stars in systems, which were used for selection in spectral type and luminosity (spectral type, photometry), and/or in the plots in this paper (photometry, effective temperatures). Table 5 contains the A-K type primaries with Tycho photometry, and effective temperatures from Gray et al. (2003, 2006) and computed from $(B_{\rm T}-V_{\rm T})$. For the few very bright stars where Tycho photometry is saturated, we give values converted from Johnson B,V photometry. Table 6 contains the M type primaries with spectral types, Johnson B,V photometry, and effective temperatures computed from the spectral type.

Table 7 gives cross identifications for system components in several common catalogues, and table 8 gives comments on various specific systems. Table 8 includes notes for systems where there are unresolved components, or there are components listed in catalogues which we do not consider physically associated with the system.

7 ACKNOWLEDGEMENTS

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REFERENCES

Audley M.D., Holland W.S., Hodson T. et al., 2004, Proc. SPIE, 5498, 63
Bakos G.Á, Sahu K.C., Németh P., 2002, ApJS, 141, 187
Beichman C.A., Bryden G., Stapelfeldt, K.R. et al., 2006, ApJ, 652, 1674
Benedict G.F., McArthur B., Chappell D.W. et al., 1999, AJ, 118, 1086
Bessel M.S., 1990, AJ, 112, 2300
Costa E., Méndez R.A., Jao W.-C., Henry T.J., Subasavage J.P., Brown M.A., Ianna P.A., Bartlett J.L., 2005, AJ, 130, 337

Cutri R.M., Skrutskie M.F., van Dyk S. et al., 2MASS All Sky Catalog of point sources, NASA/IPAC Infrared Science Archive
Deacon N.R., Hambly N.C., Cooke J.A., 2005, A&A, 435, 363
Delfosse X., Forveille T., Udry S., Beuzit J.-L., Mayor M., Perrier C., 1999, A&A, 350L, 39
Dommanget J., Nys O., 2002, CDS catalogue I/274
Dotter A., Chaboyer B., Jevremović, D., Kostov, V., Baron, E., Ferguson, J.W., 2008, ApJS, 178, 89
Ducourant C., Dauphole B., Rapaport M., Colin J., Geffert, M., 1998, A&A, 333, 882
Eggen O.J., 1974, PASP, 86, 697
Eggen O.J., 1979, ApJS, 39, 89
Eggen O.J., 1980, ApJS, 43, 457
Fabricius C., Makarov V.V., 2000, A&AS, 144, 45
Fabricius C., Høg E., Makarov, V.V., Mason B.D., Wycof, G.L., Urban S.E., 2002, A&A, 384, 180
Falin J.L., Mignard F., 1999, A&AS, 135, 231
Finch C.T., Henry T.J., Subasavage J.P., Jao W.-C, Hambly N.C., 2007, AJ, 133, 2898
Gliese W., Jahreiss H., 1991 CDS catalogue V/70A
Gould A., Chanamé J.A., 2004, ApJS, 152, 103
Gray R.O., Napier M.G., Winkler L.I., 2001a, AJ, 121, 2148
Gray R.O., Graham P.W., Hoyt S.R., 2001b, AJ, 121, 2159
Gray R.O., Corbally C.J., Garrison R.F., Mcfadden M.T., Robinson P.E., 2003, AJ, 126, 2048
Gray R.O., Corbally C.J., Garrison R.F., McFadden M.T., Bubar E.J., McGahee C.E., O'Donoghue A.A., Knox E.R., 2006, AJ, 132, 161
Griffin M., Swinyard B., Vigroux L. et al., 2008, Proc. SPIE, 7010, 701006
Hawley S.L., Gizis J.E., Reid, I.N., 1996 AJ, 112, 1799
Heintz W.D., 1980 ApJS, 44, 111
Heintz W.D., 1990 ApJS, 74, 275
Henry T.J., Kirkpatrick J.D., Simons D.A., 1994, AJ, 108, 1437
Henry T.J., Jao W.-C., Subasavage J.P., Beaulieu T.D., Ianna P.A., Costa E., 2006, AJ, 132, 2360
Hershey J.L., Taff, L.G., 1998 AJ, 116, 1440
Hoffleit D., Warren Jr W.H., 1991, CDS catalogue V/50
Høg, E., Bässgen, G., Bastian U. et al., 1997, A&A, 323, L57
Høg, E., Kuzmin A., Bastian U., Fabricius C., Kuimov K., Lindegren L., Makarov V.V., Roeser, S., 1998, A&A, 335, L65
Høg, E., Fabricius C., Makarov V.V. et al., 2000, A&A, 355, L27
Holland W.S., Duncan W.D., Kelly B.D., Irwin K.D., Walton A.J., Ade P.A.R., Robson E.I. et al., 2003, Proc. SPIE, 4855, 1
Houk N., Cowley A.P., 1975, Michigan Catalogue of Two-dimensional Spectral Types for the HD stars. Volume 1. Declinations -90°.0 to -53°.0, Department of Astronomy, University of Michigan, Ann Arbor, MI, USA
Houk N., 1978, Michigan Catalogue of Two-dimensional Spectral Types for the HD Stars. Volume 2. Declinations -53°.0 to -40°.0, Department of Astronomy, University of Michigan, Ann Arbor, MI, USA
Houk N., 1982, Michigan Catalogue of Two-dimensional Spectral Types for the HD Stars. Volume 3. Declinations -40°.0 to -26°.0, Department of Astronomy, University of Michigan, Ann Arbor, MI, USA
Houk N., Smith-Moore M., 1988, Michigan Catalogue of Two-dimensional Spectral Types for the HD Stars. Volume 4. Declinations -26°.0 to -12°.0, Department of Astronomy, University of Michigan, Ann Arbor, MI, USA
Houk N., Swift C., 1999, Michigan Catalogue of Two-dimensional Spectral Types for the HD Stars. Volume 4. Declinations -12°.0 to +05°.0, Department of Astronomy, University of Michigan, Ann Arbor, MI, USA
Jao, W.-C., Henry T.J., Subasavage J.P., Brown M.A., Ianna P.A., Bartlett J.L., Costa E., Méndez R.A., 2005, AJ, 129, 1954
Kirkpatrick J.D., Henry T.J., McCarthy D.W. Jr., 1991, AJ, 77, 417
Legget S.K., 1992, ApJS, 82, 351
Leinert C., Allard F., Richichi A., Hauschildt P.H., 2000, A&A, 353, 691
Matthews B.C., Greaves J.S., Holland W.S. et al., 2007, PASP, 119, 842
McAlister H.A., Hartkopf W.I., Hutter D.J., Franz O.G., 1987, AJ, 93, 688
Perryman M.A.C., Lindegren L., Kovalevsky J. et al., 1997, A&A, 323L, 49
Pilbratt G., 2008, Proc. SPIE, 7010, 701002
Poglitsch A., Waelkens C., Bauer O.H. et al., 2008, Proc. SPIE, 7010, 701005
Ramírez I., Meléndez J., 2005, ApJ, 626, 465
Reid I.N., Hawley S.L., Gizis J.E., 1995, AJ, 110, 1838
Reid I.N., Hawley S.L., 2005, New Light on Dark Stars, Springer-Praxis books, New York
Rhee J.H., Song I., Zuckerman B., McElwain, M., 2007, ApJ, 660, 1556
Rodgers A.W., Eggen O.J., 1974, PASP, 86, 742
Röser S., Bastian U., 1991, PPM Star Catalogue North, Spektrum Akademischer Verlag, Heidelberg (Germany)
Röser S., Bastian U., 1993, PPM Star Catalogue South, Spektrum Akademischer Verlag, Heidelberg (Germany)
Röser S., Bastian U., Kuzmin, A., 1994, A&AS, 105, 301
Salim S., Gould A., 2003, ApJ, 582, 1011
Söderhjelm S., 1999, A&A, 341, 121
Su K.Y.L., Rieke G.H., Stansberry J.A. et al. 2006, ApJ, 653, 675
Subasavage J.P., Henry T.J., Hambly N.C., Brown M.A., Jao W.-C, 2005a, AJ, 129, 413
Subasavage J.P., Henry T.J., Hambly N.C., Brown M.A., Jao W.-C, Finch, C.T., 2005b, AJ, 130, 1658
van Altena W.F. Lee J.T., Hoffleit E.D., 1995, General Catalogue of Trigonometric Stellar Parallaxes, 4th ed., New Haven, CT : Yale University Observatory
Trilling D.E., Bryden G., Beichman C.A. et al., 2008, ApJ, 674, 1086
van Leeuwen F., 2007, *Hipparcos*, the New Reduction of the Raw Data, Springer / Astrophysics and Space Science Library
Mason B.D., Wycoff G.L., Hartkopf W.I., Douglass G.G., Worley C.E., The Washington Visual Double Star Catalog, VizieR On-line Data Catalog
Weis E.W., 1991, AJ, 102, 1795
Weis E.W., 1996, AJ, 112, 2300
Weis, E.W., Lee J.T., Lee A.H., Greise III J.W., Vincent J.M., Upgren A.R., 1999, AJ, 117, 1037

Table 3. System information: system ID, primary star name, adopted distance and uncertainty ($d = 1/\pi \pm \sigma_\pi/\pi^2$), number of parallax measures used, parallax references (see table 2), predicted cirrus confusion noise for point source observed with *Herschel*'s PACS instrument at 110 μm, which surveys system is included in (S: SUNS, D: DEBRIS). Note that distance uncertainty is not shown for the 2 systems with unpublished RECONS parallaxes. The distance for UNS G001 (α + Proxima Centauri) does not include any contribution from Proxima, as the parallax difference from the primary is significant.

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
M001	HIP 87937	1.833 ± 0.001	2	YPC,HIPnr,ben99	1.29	S	
M002	GJ 406	2.386 ± 0.012	1	YPC	0.53	S	D
M003	HD 95735	2.543 ± 0.004	2	HIPnr,YPC	0.52	S	D
M004	GJ 65 A	2.676 ± 0.019	1	YPC	0.52	S	D
M005	HIP 92403	2.965 ± 0.017	2	HIPnr,YPC	6.07	S	
M006	GJ 905	3.165 ± 0.011	1	YPC	0.78	S	D
M007	HD 217987	3.278 ± 0.007	2	YPC,HIPnr	0.52	S	D
M008	HIP 57548	3.354 ± 0.015	2	YPC,HIPnr	0.53	S	D
M009	GJ 866 AB	3.454 ± 0.052	1	YPC	0.55	S	D
M010	HD 173739	3.524 ± 0.018	3	HIPnr,YPC,HIPnr	0.54	S	D
M011	HD 1326	3.583 ± 0.009	2	HIPnr,YPC	0.61	S	D
M012	GJ 1111	3.626 ± 0.039	1	YPC	0.54	S	D
M013	LHS 1565	3.678 ± 0.018	1	hen06	0.52		D
M014	HIP 5643	3.716 ± 0.041	2	YPC,HIPnr	0.52	S	D
M015	HIP 36208	3.795 ± 0.018	2	YPC,HIPnr	0.60	S	D
M016	SO 0253+1652	3.837 ± 0.040	1	hen06	1.53	S	
M017	HD 33793	3.911 ± 0.014	2	YPC,HIPnr	0.53		D
M018	HD 239960	4.031 ± 0.023	2	sod99,YPC	49.24	S	
M019	GJ 234 A	4.093 ± 0.034	2	YPC,sod99	8.42	S	
M020	HIP 80824	4.267 ± 0.027	2	YPC,HIPnr	3.81	S	
M021	HD 225213	4.342 ± 0.017	2	YPC,HIPnr	0.52	S	D
M022	GJ 473 A	4.388 ± 0.089	1	YPC	0.52	S	D
M023	GJ 83.1	4.448 ± 0.057	1	YPC	0.58	S	D
M024	HIP 86162	4.536 ± 0.017	2	HIPnr,YPC	0.55	S	D
M025	GJ 3622	4.539 ± 0.074	1	YPC	0.53	S	D
M026	HIP 85523	4.543 ± 0.029	2	HIPnr,YPC	5.30		
M027	GJ 1245 A	4.541 ± 0.021	1	YPC	3.25	S	
M028	HIP 113020	4.693 ± 0.043	2	HIPnr,YPC	0.54	S	D
M029	GJ 1002	4.695 ± 0.079	1	YPC	0.53	S	D
M030	GJ 3618	4.769 ± 0.060	2	YPC,hen06	8.28		
M031	HIP 54211	4.862 ± 0.022	2	YPC,HIPnr	0.52	S	D
M032	GJ 388	4.888 ± 0.067	1	YPC	0.52	S	D
M033	HD 204961	4.949 ± 0.025	2	YPC,HIPnr	0.52		D
M034	HIP 86214	5.048 ± 0.052	2	HIPnr,YPC	5.33		
M035	HIP 112460	5.098 ± 0.039	2	YPC,HIPnr	2.13	S	
M036	GJ 1116 A	5.230 ± 0.068	1	YPC	0.53	S	D
M037	GJ 3379	5.259 ± 0.051	2	YPC,hen06	8.85	S	
M038	GJ 3323	5.321 ± 0.036	1	hen06	0.56	S	D
M039	HIP 57544	5.340 ± 0.047	2	HIPnr,YPC	0.56	S	D
M040	HD 119850	5.395 ± 0.030	2	HIPnr,YPC	0.53	S	D
M041	GJ 169.1 A	5.539 ± 0.024	2	HIPnr,YPC	6.87	S	
M042	HD 265866	5.614 ± 0.045	2	HIPnr,YPC	0.77	S	D
M043	HD 36395	5.682 ± 0.034	2	HIPnr,YPC	5.53	S	
M044	HIP 103039	5.711 ± 0.110	1	HIPnr	0.57	S	D
M045	HD 42581	5.754 ± 0.032	2	YPC,HIPnr	0.59	S	D
M046	HIP 86990	5.844 ± 0.076	2	YPC,HIPnr	0.96		D
M047	HD 180617	5.851 ± 0.020	2	HIPnr,YPC	17.13	S	
M048	HIP 26857	5.898 ± 0.109	2	YPC,HIPnr	3.75	S	
M049	LHS 60	5.916 ± 0.054	1	jao05	0.65		D
M050	HIP 76074	5.934 ± 0.045	2	YPC,HIPnr	1.14		D
M051	CCDM 00155-1608 A	5.950 ± 0.029	3	YPC,sod99,her98	0.53	S	D
M052	HIP 117473	5.952 ± 0.041	2	YPC,HIPnr	0.53	S	D
M053	HIP 37766	5.982 ± 0.073	2	HIPnr,YPC	0.54	S	D
M054	HIP 34603	6.119 ± 0.067	2	YPC,HIPnr	0.56	S	D
M055	HIP 71253	6.220 ± 0.077	3	YPC,HIPnr,jao05	0.63	S	D
M056	HIP 74995	6.338 ± 0.071	3	YPC,HIPnr,jao05	0.69	S	D
M057	GJ 896 A	6.256 ± 0.060	3	YPC,HIPnr,wei99	0.62	S	D
M058	LHS 2090	6.375 ± 0.108	1	hen06	0.53	S	D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
M059	GJ 3737	6.378 ± 0.081	1	hen06	0.59	S	D
M060	GJ 661 A	6.397 ± 0.052	2	sod99,YPC	0.53	S	D
M061	GJ 3959	6.410 ± 0.164	1	duc98	0.52	S	D
M062	GJ 644 A	6.457 ± 0.023	4	YPC,sod99,HIPnr,YPC	4.40	S	
M063	HIP 80459	6.530 ± 0.039	2	YPC,HIPnr	0.52	S	D
M064	LHS 271	6.534 ± 0.103	1	jao05	1.43		
M065	GJ 1156	6.540 ± 0.128	1	YPC	0.53	S	D
M066	GJ 3877	6.558 ± 0.087	2	YPC,cos05	0.97	S	D
M067	HIP 53767	6.697 ± 0.071	2	HIPnr,YPC	0.52	S	D
M068	HIP 106106	6.711 ± 0.076	2	HIPnr,YPC	0.68	S	D
M069	GJ 3522	6.772 ± 0.091	1	hen06	0.56	S	D
M070	HIP 53020	6.794 ± 0.137	2	HIPnr,YPC	0.53	S	D
M071	HD 216899	6.831 ± 0.045	2	HIPnr,YPC	0.58	S	D
M072	GJ 299	6.835 ± 0.145	1	YPC	0.52	S	D
M073	GJ 3193 B	6.912 ± 0.120	2	hen06,hen06	0.54	S	D
M074	LHS 22	6.973 ± 0.093	1	jao05	0.52		D
M075	HD 199305	7.061 ± 0.031	2	YPC,HIPnr	5.70	S	
M076	HIP 51317	7.129 ± 0.103	2	HIPnr,YPC	0.57	S	D
M077	GJ 4063	7.200 ± 2.088	1	haw95	0.63	S	D
M078	GJ 1286	7.231 ± 0.183	1	YPC	0.54	S	D
M079	GJ 4053	7.273 ± 0.280	1	YPC	0.54	S	D
M080	NLTT 54872	7.412 ±	1	RECXX	0.52	S	D
M081	GJ 4274	7.440 ± 0.271	1	YPC	0.53	S	D
M082	GJ 4248	7.447 ± 0.073	1	hen06	0.52	S	D
M083	HIP 83945	7.473 ± 0.091	2	YPC,HIPnr	0.52	S	D
M084	GJ 1224	7.541 ± 0.210	1	YPC	41.29	S	
M085	GJ 3378	7.570 ± 0.281	1	YPC	0.77	S	D
M086	HIP 12781	7.585 ± 0.114	2	HIPnr,YPC	1.54	S	
M087	HIP 65859	7.593 ± 0.057	2	HIPnr,YPC	0.53	S	D
M088	GJ 3207	7.700 ± 1.155	1	haw96	0.52	S	D
M089	GJ 2005	7.710 ± 0.144	2	YPC,cos05	0.52	S	D
M090	GJ 1093	7.764 ± 0.211	1	YPC	0.57	S	D
M091	HD 165222	7.769 ± 0.082	2	YPC,HIPnr	37.53	S	
M092	HIP 61874	7.780 ± 0.236	1	HIPnr	0.74		D
M093	HIP 5496	7.798 ± 0.117	3	YPC,HIPnr,hen06	0.52		D
M094	GJ 831 A	7.800 ± 0.125	2	HIPgn,YPC	0.53	S	D
M095	HIP 49986	7.930 ± 0.114	2	YPC,HIPnr	0.53	S	D
M096	LHS 1989	7.962 ± 0.061	1	hen06	0.99	S	D
M097	HIP 101180	8.024 ± 0.066	2	YPC,HIPnr	4.17	S	
M098	HIP 80346	8.033 ± 0.073	2	HIPnr,YPC	0.52	S	D
M099	GJ 257 A	8.034 ± 0.135	2	HIPnr,YPC	0.67		D
M100	HIP 86287	8.050 ± 0.097	2	HIPnr,YPC	0.57	S	D
M101	GJ 1289	8.097 ± 0.190	1	YPC	0.70	S	D
M102	SCR 0740-4257	8.109 ±	1	RECXX	8.96		
M103	GJ 493.1	8.123 ± 0.231	1	YPC	0.53	S	D
M104	GJ 747 A	8.177 ± 0.167	1	YPC	0.76	S	D
M105	SCR 1138-7721	8.179 ± 0.195	1	hen06	2.19		
M106	GJ 1151	8.190 ± 0.195	1	YPC	0.52	S	D
M107	GJ 1227	8.230 ± 0.149	1	YPC	0.55	S	D
M108	HIP 4856	8.260 ± 0.082	2	YPC,HIPnr	4.30	S	
M109	HIP 38956	8.269 ± 0.159	2	YPC,HIPnr	0.54	S	D
M110	GJ 1230 A	8.271 ± 0.493	1	YPC	1.00	S	D
M111	GJ 618 A	8.301 ± 0.168	2	HIPnr,YPC	32.97	S	
M112	HIP 62452	8.358 ± 0.185	2	HIPnr,YPC	0.52	S	D
M113	GJ 232	8.375 ± 0.161	1	YPC	8.03	S	
M114	GJ 1154 AB	8.375 ± 0.246	1	YPC	0.53	S	D
M115	GJ 3146	8.496 ± 0.289	1	YPC	0.80	S	D
M116	GJ 1057	8.540 ± 0.255	1	YPC	1.09	S	D
M117	GJ 3454	8.576 ± 0.071	1	hen06	0.54		D
K001	HD 22049	3.216 ± 0.002	2	HIPnr,YPC	0.53	S	
K002	HD 201091	3.495 ± 0.006	3	HIPnr,HIPnr,YPC	4.12	S	

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys
K003	HD 209100	3.622 ± 0.004	2	HIPnr,YPC	0.52	D
K004	HD 202560	3.946 ± 0.012	2	HIPnr,YPC	0.55	S D
K005	HD 88230	4.866 ± 0.012	2	HIPnr,YPC	0.52	S D
K006	HD 26965	4.984 ± 0.006	2	HIPnr,YPC	0.70	S D
K007	HD 165341	5.080 ± 0.021	2	HIPnr,YPC	1.75	S
K008	HD 131977	5.861 ± 0.023	3	sod99,HIPnr,YPC	0.78	S D
K009	HD 155886	5.949 ± 0.014	4	YPC,HIPnr,YPC,HIPnr	14.83	S
K010	HD 191408	6.015 ± 0.010	2	YPC,HIPnr	0.63	S D
K011	HD 79210	6.108 ± 0.094	3	HIPnr,YPC,HIPnr	0.52	S D
K012	HD 191849	6.198 ± 0.038	2	HIPnr,YPC	0.53	D
K013	HD 219134	6.542 ± 0.012	2	YPC,HIPnr	17.42	S
K014	HD 16160	7.191 ± 0.023	2	YPC,HIPnr	0.83	S D
K015	HD 156384	7.246 ± 0.031	2	YPC,fab00	77.15	S
K016	HD 4628	7.449 ± 0.027	2	HIPnr,YPC	0.52	S D
K017	HD 10476	7.533 ± 0.028	2	YPC,HIPnr	0.57	S D
K018	HD 6582	7.537 ± 0.042	2	YPC,HIPnr	3.98	S
K019	HD 216803	7.611 ± 0.036	2	YPC,HIPnr	0.52	S D
K020	HD 10361	7.674 ± 0.128	2	YPC,HIPnr	0.53	D
K021	HD 157881	7.700 ± 0.042	2	HIPnr,YPC	1.11	S D
K022	HD 217357	8.214 ± 0.046	2	YPC,HIPnr	0.53	S D
K023	HD 32450	8.551 ± 0.109	2	YPC,HIPnr	0.53	S D
K024	HD 32147	8.713 ± 0.036	2	YPC,HIPnr	0.61	S D
K025	HD 50281	8.722 ± 0.033	2	YPC,HIPnr	23.14	S
K026	HD 156274	8.790 ± 0.053	2	HIPnr,YPC	6.60	
K027	HD 192310	8.910 ± 0.024	2	YPC,HIPnr	0.63	S D
K028	HD 103095	9.081 ± 0.033	2	YPC,HIPnr	0.52	S D
K029	HD 100623	9.559 ± 0.034	2	YPC,HIPnr	0.56	S D
K030	HD 149661	9.757 ± 0.039	2	YPC,HIPnr	1.67	S
K031	HD 151288	9.809 ± 0.067	2	HIPnr,YPC	0.53	S D
K032	HD 122064	10.063 ± 0.032	1	HIPnr	0.52	S D
K033	HD 232979	10.118 ± 0.100	2	YPC,HIPnr	19.88	S
K034	HD 103932	10.156 ± 0.060	2	YPC,HIPnr	0.61	S D
K035	HD 17925	10.341 ± 0.042	2	YPC,HIPnr	0.53	S D
K036	HD 111631	10.605 ± 0.091	2	HIPnr,YPC	0.52	S D
K037	HD 154363	10.627 ± 0.091	4	YPC,HIPnr,HIPgn,YPC	4.74	S
K038	HD 13445	10.782 ± 0.037	2	YPC,HIPnr	0.52	D
K039	HD 147379	10.798 ± 0.089	3	HIPnr,YPC,HIPnr	0.53	S D
K040	HD 223778	10.887 ± 0.035	2	HIPnr,YPC	4.68	S
K041	HIP 66459	10.935 ± 0.135	2	HIPnr,YPC	0.52	S D
K042	HD 160346	11.008 ± 0.082	2	YPC,HIPnr	1.60	S
K043	HD 11507	11.017 ± 0.140	2	YPC,HIPnr	0.52	S D
K044	HD 166620	11.025 ± 0.036	2	HIPnr,YPC	0.53	S D
K045	HD 3651	11.056 ± 0.039	2	HIPnr,YPC	0.53	S D
K046	HD 115404	11.095 ± 0.090	2	HIPnr,YPC	0.52	S D
K047	HD 74576	11.140 ± 0.046	2	YPC,HIPnr	12.10	S
K048	HD 85512	11.150 ± 0.083	2	YPC,HIPnr	1.75	
K049	HD 75632	11.275 ± 0.344	2	HIPgn,YPC	0.53	S D
K050	GJ 4 A	11.288 ± 0.122	3	HIPnr,HIPnr,YPC	0.72	S D
K051	HD 245409	11.290 ± 0.126	2	HIPnr,YPC	2.68	S
K052	HD 222237	11.408 ± 0.066	2	HIPnr,YPC	0.53	D
K053	HD 131511	11.512 ± 0.061	2	HIPnr,YPC	0.53	S D
K054	HD 125072	11.788 ± 0.096	2	HIPnr,YPC	63.92	
K055	CCDM 15009+4526 A	11.881 ± 0.147	2	HIPnr,YPC	0.52	S D
K056	HD 97101	11.961 ± 0.120	2	HIPnr,YPC	0.52	S D
K057	HD 196877	12.151 ± 0.157	2	HIPnr,YPC	0.53	D
K058	HD 37394	12.273 ± 0.076	4	HIPnr,YPC,HIPnr,YPC	3.59	S
K059	HD 101581	12.400 ± 0.107	2	HIPnr,YPC	0.71	D
K060	HD 75732	12.460 ± 0.104	2	HIPnr,YPC	0.53	S D
K061	HD 21531	12.509 ± 0.152	2	HIPnr,YPC	0.53	S D
K062	HD 158633	12.803 ± 0.049	2	HIPnr,YPC	0.53	S D
K063	HD 190007	12.864 ± 0.088	2	HIPnr,YPC	0.92	S D
K064	HD 82106	12.894 ± 0.106	2	HIPnr,YPC	0.56	S D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys
K065	HD 40307	12.995 ± 0.062	1	HIPnr	0.56	D
K066	HD 36003	13.041 ± 0.128	2	HIPnr,YPC	3.91	S
K067	HD 27274	13.045 ± 0.082	2	YPC,HIPnr	0.52	D
K068	HD 166348	13.127 ± 0.180	2	YPC,HIPnr	0.96	D
K069	HD 98712	13.169 ± 0.216	2	YPC,HIPnr	0.58	S D
K070	HIP 67090	13.193 ± 0.169	2	YPC,HIPnr	0.52	S D
K071	HD 29697	13.200 ± 0.193	2	HIPnr,YPC	5.44	S
K072	HD 128165	13.215 ± 0.073	2	YPC,HIPnr	0.52	S D
K073	HD 170657	13.248 ± 0.122	2	YPC,HIPnr	11.77	S
K074	HD 120476	13.373 ± 0.136	2	YPC,HIPnr	0.52	S D
K075	GJ 428 A	13.423 ± 0.434	2	YPC,HIPnr	99.94	
K076	HD 211970	13.532 ± 0.222	1	HIPnr	0.52	D
K077	HD 214749	13.551 ± 0.141	2	HIPnr,YPC	0.52	S D
K078	HD 10436	13.575 ± 0.175	2	YPC,HIPnr	25.89	S
K079	HD 22496	13.589 ± 0.131	2	YPC,HIPnr	0.52	D
K080	HD 154577	13.629 ± 0.130	2	YPC,HIPnr	1.16	D
K081	HIP 61094	13.679 ± 0.239	2	HIPnr,YPC	0.52	S D
K082	HIP 27188	13.716 ± 0.176	2	YPC,HIPnr	1.13	S D
K083	HIP 42220	13.886 ± 0.231	2	YPC,HIPnr	0.53	S D
K084	HD 145417	13.897 ± 0.131	2	YPC,HIPnr	4.98	
K085	HD 184489	13.905 ± 0.271	2	YPC,HIPnr	2.75	S
K086	GJ 400 A	13.900 ± 0.316	2	HIPnr,YPC	0.52	S D
K087	HD 23356	13.953 ± 0.130	1	HIPnr	0.58	S D
K088	HD 216133	14.133 ± 0.363	2	YPC,HIPnr	0.54	S D
K089	HD 5133	14.163 ± 0.120	2	YPC,HIPnr	0.52	S D
K090	HD 61606	14.191 ± 0.119	3	HIPnr,YPC,HIPnr	0.77	S D
K091	HD 234078	14.194 ± 0.160	2	HIPnr,YPC	0.52	S D
K092	HD 110315	14.194 ± 0.146	2	HIPnr,YPC	0.53	S D
K093	HD 173818	14.244 ± 0.233	2	YPC,HIPnr	273.87	S
K094	HD 150689	14.263 ± 0.134	2	HIPnr,fab00	12.10	S
K095	HD 120467	14.286 ± 0.177	2	YPC,HIPnr	0.59	S D
K096	HIP 70218	14.393 ± 0.169	2	YPC,HIPnr	0.52	S D
K097	HIP 44722	14.474 ± 0.260	2	YPC,HIPnr	0.55	S D
K098	HD 144579	14.508 ± 0.069	3	YPC,YPC,HIPnr	0.52	S D
K099	HIP 37288	14.533 ± 0.292	2	HIPnr,YPC	0.60	S D
K100	HD 57095	14.585 ± 0.119	2	HIPnr,YPC	1.25	
K101	HD 205390	14.618 ± 0.124	2	HIPnr,YPC	0.53	D
K102	HD 97584	14.631 ± 0.139	2	HIPnr,YPC	0.56	S D
K103	HD 120036	14.633 ± 0.289	1	HIPnr	0.55	S D
K104	HD 52698	14.650 ± 0.131	2	YPC,HIPnr	3.50	S
K105	HD 144628	14.669 ± 0.138	2	YPC,HIPnr	8.63	
K106	HD 142709	14.742 ± 0.169	2	YPC,HIPnr	14.09	
K107	HD 19305	14.747 ± 0.389	2	YPC,HIPnr	0.63	S D
K108	HIP 13375	14.757 ± 0.299	2	YPC,HIPnr	0.70	S D
K109	HD 118926	14.763 ± 0.253	2	YPC,HIPnr	0.53	S D
K110	HD 45088	14.763 ± 0.316	2	YPC,HIPnr	5.21	S
K111	HD 110833	14.889 ± 0.146	2	YPC,HIPnr	0.52	S D
K112	HD 221503	14.902 ± 0.383	3	fab00,YPC,HIPnr	0.52	S D
K113	HIP 5247	14.938 ± 0.278	2	HIPnr,YPC	39.17	S
K114	HD 218511	14.986 ± 0.186	1	HIPnr	0.53	D
K115	HIP 1368	14.987 ± 0.199	2	YPC,HIPnr	0.68	S D
K116	HD 200779	15.100 ± 0.213	2	YPC,HIPnr	0.59	S D
K117	HD 36705	15.165 ± 0.131	1	HIPnr	0.63	D
K118	HD 224953	15.323 ± 0.416	1	HIPnr	0.53	D
K119	TYC 8112-1978-2	15.347 ± 0.286	2	HIPnr,YPC	0.55	D
K120	HD 34673	15.351 ± 0.257	2	HIPnr,YPC	3.11	S
K121	GJ 319 A	15.368 ± 0.399	3	HIPnr,HIPnr,YPC	0.57	S D
K122	HD 21197	15.391 ± 0.167	2	YPC,HIPnr	0.55	S D
K123	HD 24916	15.484 ± 0.249	2	YPC,HIPnr	6.04	S
K124	HIP 18280	15.524 ± 0.256	2	YPC,HIPnr	0.65	S D
K125	GJ 750 A	15.503 ± 0.448	2	YPC,sod99	0.61	D
K126	HD 139763	15.557 ± 0.336	1	HIPnr	0.75	S D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
K127	HD 4967	15.611 ± 0.261	2	HIPnr,YPC	0.52	S	D
G001	HD 128620	1.338 ± 0.002	2	YPC,sod99	95.28		
G002	HD 10700	3.650 ± 0.002	2	HIPnr,YPC	0.52	S	
G003	HD 185144	5.754 ± 0.006	2	HIPnr,YPC	1.53	S	
G004	HD 4614	5.943 ± 0.016	2	HIPnr,YPC	2.60	S	
G005	HD 20794	6.043 ± 0.007	2	HIPnr,YPC	0.52		D
G006	HD 131156	6.708 ± 0.021	2	HIPnr,YPC	0.53	S	D
G007	CCDM 12337+4121 A	8.440 ± 0.014	2	HIPnr,YPC	0.52	S	D
G008	HD 115617	8.555 ± 0.016	2	HIPnr,YPC	0.62	S	D
G009	HD 39587	8.683 ± 0.019	2	HIPnr,YPC	15.04	S	
G010	HD 114710	9.132 ± 0.014	2	YPC,HIPnr	0.52	S	D
G011	HD 20630	9.144 ± 0.022	2	HIPnr,YPC	0.87	S	D
G012	HD 102365	9.221 ± 0.020	2	HIPnr,YPC	1.06		D
G013	HD 101501	9.602 ± 0.024	2	HIPnr,YPC	0.52	S	D
G014	HD 10780	10.064 ± 0.052	2	HIPnr,YPC	26.20	S	
G015	HD 43834	10.199 ± 0.015	2	YPC,HIPnr	0.89		D
G016	HD 13974	10.778 ± 0.045	2	HIPnr,YPC	0.61	S	D
G017	HD 82885	11.363 ± 0.041	2	HIPnr,YPC	0.52	S	D
G018	HD 20807	12.019 ± 0.020	4	HIPnr,YPC,HIPnr,YPC	0.52		D
G019	HD 141004	12.122 ± 0.045	2	YPC,HIPnr	0.53	S	D
G020	HD 224930	12.143 ± 0.116	2	sod99,YPC	0.54	S	D
G021	HD 72673	12.208 ± 0.068	2	HIPnr,YPC	1.60	S	
G022	HD 69830	12.494 ± 0.055	2	HIPnr,YPC	0.73	S	D
G023	HD 34411	12.632 ± 0.045	2	HIPnr,YPC	7.16	S	
G024	HD 14412	12.666 ± 0.056	2	YPC,HIPnr	0.52	S	D
G025	HD 133640	12.740 ± 0.097	2	sod99,YPC	0.53	S	D
G026	CCDM 01418+4237 A	12.746 ± 0.087	2	HIPnr,YPC	0.55	S	D
G027	HD 147513	12.793 ± 0.061	4	HIPnr,YPC,HIPnr,YPC	14.38	S	
G028	HD 172051	13.087 ± 0.079	2	HIPnr,YPC	4.25	S	
G029	HD 30495	13.273 ± 0.063	2	HIPnr,YPC	0.54	S	D
G030	HD 166	13.679 ± 0.104	2	HIPnr,YPC	0.54	S	D
G031	HD 211415	13.785 ± 0.068	2	HIPnr,YPC	0.52		D
G032	HD 146233	13.908 ± 0.071	2	HIPnr,YPC	1.97	S	
G033	HD 95128	14.062 ± 0.049	2	HIPnr,YPC	0.52	S	D
G034	HD 160269	14.180 ± 0.071	4	HIPnr,YPC,HIPnr,YPC	0.53	S	D
G035	HD 157214	14.325 ± 0.051	2	HIPnr,YPC	0.54	S	D
G036	HD 72905	14.359 ± 0.074	2	HIPnr,YPC	0.71	S	D
G037	HD 196761	14.380 ± 0.083	2	HIPnr,YPC	0.55	S	D
G038	HD 140538	14.661 ± 0.142	1	HIPnr	0.67	S	D
G039	HD 136352	14.809 ± 0.088	2	YPC,HIPnr	2.73		
G040	HD 86728	15.052 ± 0.071	2	YPC,HIPnr	0.52	S	D
G041	HD 4391	15.174 ± 0.092	2	YPC,HIPnr	0.52		D
G042	HD 38858	15.175 ± 0.094	1	HIPnr	6.56	S	
G043	HD 140901	15.350 ± 0.094	2	HIPnr,YPC	2.70	S	
G044	GJ 25 A	15.352 ± 0.234	2	YPC,sod99	0.52	S	D
G045	HD 41593	15.405 ± 0.139	2	YPC,HIPnr	23.89	S	
G046	GJ 188 A	15.436 ± 0.078	2	YPC,HIPnr	6.27	S	
G047	HD 160691	15.506 ± 0.074	2	HIPnr,YPC	1.68		
G048	HD 217014	15.612 ± 0.092	2	HIPnr,YPC	0.53	S	D
G049	HD 182488	15.769 ± 0.087	2	YPC,HIPnr	1.72	S	
G050	HD 116442	15.787 ± 0.235	2	HIPnr,HIPnr	0.52	S	D
G051	HD 190360	15.873 ± 0.085	3	HIPnr,YPC,YPC	91.72	S	
G052	HD 142373	15.894 ± 0.053	2	HIPnr,YPC	0.52	S	D
G053	HD 207129	15.997 ± 0.090	2	HIPnr,YPC	0.52		D
G054	HD 158614	16.376 ± 0.178	2	YPC,HIPnr	2.82	S	
G055	HD 64096	16.511 ± 0.155	2	YPC,HIPnr	0.87	S	D
G056	HD 43162	16.720 ± 0.137	1	HIPnr	0.53	S	D
G057	HD 111395	16.938 ± 0.129	1	HIPnr	0.52	S	D
G058	HD 25680	16.939 ± 0.097	2	HIPnr,YPC	3.12	S	
G059	HD 53705	16.939 ± 0.220	5	HIPnr,HIPnr,YPC,HIPnr,YPC	0.75		D
G060	HD 177565	16.950 ± 0.135	2	YPC,HIPnr	4.97	S	

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
G061	HD 122742	16.965 ± 0.178	2	YPC,HIPnr	0.52	S	D
G062	HD 62613	17.183 ± 0.106	2	YPC,HIPnr	0.53		D
G063	HD 126053	17.188 ± 0.153	2	YPC,HIPnr	0.53	S	D
G064	HD 143761	17.235 ± 0.083	1	HIPnr	0.53	S	D
G065	HD 50692	17.237 ± 0.122	2	HIPnr,YPC	0.58	S	D
G066	HD 152391	17.238 ± 0.195	2	YPC,HIPnr	1.73	S	
G067	HD 142267	17.349 ± 0.163	1	HIPnr	0.55	S	D
G068	HD 76151	17.390 ± 0.114	2	YPC,HIPnr	0.52	S	D
G069	HD 102438	17.472 ± 0.125	2	HIPnr,YPC	0.55	S	D
G070	HD 1237	17.498 ± 0.095	1	HIPnr	0.62		D
G071	HD 165185	17.553 ± 0.148	2	HIPnr,YPC	1.71	S	
G072	HD 200968	17.562 ± 0.185	2	HIPnr,YPC	0.55	S	D
G073	HD 115383	17.563 ± 0.080	2	YPC,HIPnr	0.52	S	D
G074	HD 193664	17.567 ± 0.074	2	HIPnr,YPC	5.89	S	
G075	HD 165499	17.618 ± 0.161	2	HIPnr,YPC	0.63		D
G076	GJ 580 A	17.656 ± 0.151	2	HIPnr,YPC	0.97	S	D
G077	HD 189567	17.727 ± 0.138	2	YPC,HIPnr	0.56		D
G078	HD 190406	17.764 ± 0.110	2	YPC,HIPnr	3.18	S	
G079	HD 99491	17.777 ± 0.210	3	HIPnr,HIPnr,YPC	0.54	S	D
G080	HD 206860	17.876 ± 0.144	2	HIPnr,YPC	0.63	S	D
G081	HD 137107	17.923 ± 0.251	2	HIPnr,YPC	0.52	S	D
G082	HD 42807	17.942 ± 0.141	2	YPC,HIPnr	8.20	S	
G083	HD 202940	17.974 ± 0.203	2	HIPnr,YPC	0.58	S	D
G084	HD 130948	18.171 ± 0.112	2	HIPnr,YPC	0.54	S	D
G085	HD 39091	18.316 ± 0.070	2	HIPnr,YPC	0.84		D
G086	HD 84737	18.344 ± 0.094	2	HIPnr,YPC	0.52	S	D
G087	HD 222335	18.578 ± 0.217	2	HIPnr,YPC	0.52	S	D
G088	HD 154345	18.582 ± 0.110	2	HIPnr,YPC	0.53	S	D
G089	HD 4747	18.672 ± 0.188	2	HIPnr,YPC	0.52	S	D
G090	HD 190771	18.796 ± 0.127	2	HIPnr,YPC	15.16	S	
G091	HD 181321	18.829 ± 0.500	1	HIPnr	0.90	S	D
G092	HD 9540	19.034 ± 0.166	2	HIPnr,YPC	0.52	S	D
G093	HD 52711	19.163 ± 0.150	2	YPC,HIPnr	0.65	S	D
G094	HD 78366	19.183 ± 0.121	1	HIPnr	0.52	S	D
G095	HD 36435	19.196 ± 0.166	2	YPC,HIPnr	0.53		D
G096	HD 43587	19.250 ± 0.148	2	YPC,HIPnr	5.84	S	
G097	HD 120690	19.461 ± 0.166	2	HIPnr,YPC	0.62	S	D
G098	HD 194640	19.518 ± 0.202	2	HIPnr,YPC	0.62	S	D
G099	HD 157347	19.524 ± 0.152	1	HIPnr	5.44	S	
G100	HD 79028	19.569 ± 0.122	2	YPC,HIPnr	0.53	S	D
G101	HD 136923	19.600 ± 0.242	1	HIPnr	0.60	S	D
G102	CCDM 22583-0224 A	19.865 ± 0.150	1	HIPnr	0.61	S	D
G103	HD 128642	19.885 ± 0.190	1	HIPnr	0.53		D
G104	HD 137763	19.934 ± 0.282	3	YPC,HIPnr,HIPnr	0.98	S	D
G105	HD 128400	19.996 ± 0.172	1	HIPnr	1.28		
G106	HD 180161	20.021 ± 0.128	2	HIPnr,YPC	0.62	S	D
G107	HD 212698	20.191 ± 0.487	2	HIPnr,YPC	0.53	S	D
G108	HD 89269	20.243 ± 0.205	1	HIPnr	0.52	S	D
G109	GJ 337 A	20.369 ± 0.227	2	HIPnr,YPC	0.53	S	D
G110	HD 203244	20.416 ± 0.283	1	HIPnr	0.53		D
G111	HD 24496	20.416 ± 0.292	1	HIPnr	2.68	S	
G112	HD 184385	20.563 ± 0.266	1	HIPnr	156.51	S	
G113	HD 212330	20.569 ± 0.144	2	YPC,HIPnr	0.52		D
G114	HD 9407	20.659 ± 0.170	2	YPC,HIPnr	12.81	S	
G115	HD 18803	20.662 ± 0.200	2	YPC,HIPnr	1.26	S	
G116	HD 112758	20.854 ± 0.394	2	HIPnr,YPC	0.54	S	D
G117	HD 197076	20.896 ± 0.206	2	HIPnr,YPC	0.70	S	D
G118	HD 1835	20.923 ± 0.229	2	YPC,HIPnr	0.53	S	D
G119	HD 76932	21.035 ± 0.137	1	HIPnr	0.70	S	D
G120	HD 186408	21.156 ± 0.084	3	HIPnr,YPC,HIPnr	0.85	S	D
G121	HD 117043	21.160 ± 0.139	1	HIPnr	0.52	S	D
G122	HD 146361	21.196 ± 0.485	3	YPC,HIPnr,HIPnr	0.52		D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys
G123	HD 124580	21.209 ± 0.189	1	HIPnr	0.82	D
G124	HD 26923	21.244 ± 0.175	2	HIPnr,HIPnr	1.83	
G125	HD 141272	21.295 ± 0.363	1	HIPnr	0.80	D
F001	HD 61421	3.507 ± 0.013	2	YPC,HIPnr	0.57	S D
F002	HD 170153	8.032 ± 0.033	2	YPC,sod99	0.56	S D
F003	HD 30652	8.069 ± 0.011	2	YPC,HIPnr	0.76	S D
F004	HD 98231	8.368 ± 0.055	2	YPC,sod99	0.52	S D
F005	HD 1581	8.586 ± 0.012	2	HIPnr,YPC	0.52	D
F006	HD 38393	8.926 ± 0.014	2	YPC,HIPnr	0.53	S D
F007	HD 203608	9.261 ± 0.016	2	YPC,HIPnr	0.53	D
F008	HD 19373	10.542 ± 0.026	2	YPC,HIPnr	8.04	S
F009	HD 102870	10.928 ± 0.026	2	YPC,HIPnr	0.52	S D
F010	GJ 107 A	11.128 ± 0.028	2	HIPnr,YPC	2.17	S
F011	HD 142860	11.255 ± 0.023	2	YPC,HIPnr	0.54	S D
F012	HD 33262	11.645 ± 0.024	3	YPC,HIPnr,HIPnr	0.53	D
F013	HD 210027	11.719 ± 0.086	2	YPC,HIPnr	0.65	S D
F014	HD 110379	11.745 ± 0.080	2	HIPnr,YPC	0.53	S D
F015	HD 207098	11.869 ± 0.027	2	HIPnr,YPC	0.56	S D
F016	HD 147584	12.113 ± 0.076	2	YPC,HIPnr	0.68	D
F017	HD 141891	12.378 ± 0.025	2	YPC,HIPnr	1.98	
F018	HD 90839	12.785 ± 0.047	3	YPC,YPC,HIPnr	0.52	S D
F019	HD 82328	13.481 ± 0.024	2	YPC,HIPnr	0.52	S D
F020	HD 9826	13.495 ± 0.035	2	YPC,HIPnr	0.63	S D
F021	HD 222368	13.716 ± 0.028	2	YPC,HIPnr	0.63	S D
F022	HD 22484	13.977 ± 0.105	2	YPC,HIPnr	0.62	S D
F023	HD 20010	14.235 ± 0.091	2	YPC,HIPnr	0.52	S D
F024	HD 17206	14.237 ± 0.365	2	YPC,HIPnr	0.53	S D
F025	HD 35296	14.370 ± 0.075	4	YPC,HIPnr,YPC,HIPnr	3.07	S
F026	HD 126660	14.528 ± 0.030	2	YPC,HIPnr	0.52	S D
F027	HD 197692	14.677 ± 0.058	2	YPC,HIPnr	0.61	S D
F028	HD 40136	14.879 ± 0.055	2	YPC,HIPnr	2.98	S
F029	HD 176051	14.881 ± 0.081	2	YPC,HIPnr	0.59	S D
F030	HD 105452	14.936 ± 0.036	2	YPC,HIPnr	0.63	S D
F031	HD 84117	15.009 ± 0.045	2	YPC,HIPnr	0.57	S D
F032	HD 7570	15.115 ± 0.055	2	YPC,HIPnr	0.52	D
F033	HD 63077	15.210 ± 0.118	2	YPC,HIPnr	29.28	S
F034	HD 153597	15.271 ± 0.077	2	YPC,HIPnr	0.52	S D
F035	HD 182640	15.451 ± 0.234	2	YPC,HIPnr	3.61	S
F036	HD 120136	15.622 ± 0.049	2	YPC,HIPnr	0.52	S D
F037	HD 165908	15.660 ± 0.083	2	YPC,HIPnr	0.57	S D
F038	HD 4813	15.753 ± 0.087	2	YPC,HIPnr	0.53	S D
F039	HD 128167	15.828 ± 0.065	2	YPC,HIPnr	0.52	S D
F040	GJ 332 A	16.061 ± 0.172	2	YPC,HIPnr	0.52	S D
F041	HD 65907	16.205 ± 0.055	1	HIPnr	1.26	
F042	HD 90589	16.226 ± 0.032	2	YPC,HIPnr	1.86	
F043	HD 215648	16.296 ± 0.053	2	HIPnr,YPC	0.56	S D
F044	HD 48682	16.714 ± 0.084	2	YPC,HIPnr	0.73	S D
F045	HD 55575	16.889 ± 0.094	1	HIPnr	0.78	S D
F046	HD 17051	17.168 ± 0.065	2	YPC,HIPnr	0.53	D
F047	HD 177474	17.272 ± 0.223	2	YPC,HIPnr	6.03	S
F048	HD 81997	17.313 ± 0.602	2	HIPnr,YPC	0.53	S D
F049	HD 156897	17.355 ± 0.078	2	HIPnr,YPC	15.01	S
F050	HD 110897	17.372 ± 0.096	2	YPC,HIPnr	0.52	S D
F051	HD 10647	17.434 ± 0.076	1	HIPnr	0.53	D
F052	HD 139664	17.437 ± 0.049	2	YPC,HIPnr	2.75	
F053	HD 23754	17.609 ± 0.059	2	HIPnr,YPC	0.52	S D
F054	HD 160915	17.655 ± 0.075	2	HIPnr,YPC	10.43	S
F055	HD 114378	17.828 ± 0.282	2	HIPnr,YPC	0.52	S D
F056	HD 46588	17.879 ± 0.086	2	YPC,HIPnr	0.58	S D
F057	GJ 292 A	17.935 ± 0.109	2	YPC,HIPnr	37.04	S
F058	HD 58946	18.022 ± 0.078	4	HIPnr,HIPnr,YPC,YPC	0.59	S D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
F059	HD 125276	18.052 ± 0.266	2	HIPnr,YPC	0.63	S	D
F060	HD 114837	18.199 ± 0.099	2	YPC,HIPnr	13.92		
F061	HD 69897	18.268 ± 0.107	2	HIPnr,YPC	0.53	S	D
F062	HD 129502	18.282 ± 0.067	2	HIPnr,YPC	0.57	S	D
F063	HD 109085	18.282 ± 0.060	2	HIPnr,YPC	0.54	S	D
F064	HD 210302	18.283 ± 0.094	2	HIPnr,YPC	0.52	S	D
F065	HD 185395	18.332 ± 0.050	2	YPC,HIPnr	0.67	S	D
F066	GJ 822 A	18.439 ± 0.181	2	HIPnr,YPC	0.59	S	D
F067	GJ 271 A	18.515 ± 0.228	2	HIPnr,YPC	0.58	S	D
F068	HD 5015	18.742 ± 0.116	2	HIPnr,YPC	14.17	S	
F069	HD 693	18.743 ± 0.225	2	HIPnr,YPC	0.52	S	D
F070	HD 82434	18.808 ± 0.127	2	YPC,HIPnr	5.18		
F071	HD 25457	18.833 ± 0.113	2	HIPnr,YPC	2.57	S	
F072	HD 187691	19.192 ± 0.107	2	HIPnr,YPC	3.51	S	
F073	HD 173667	19.209 ± 0.088	2	HIPnr,YPC	1.86	S	
F074	HD 43386	19.241 ± 0.100	2	HIPnr,YPC	9.50	S	
F075	HD 119756	19.407 ± 0.072	2	YPC,HIPnr	0.56	S	D
F076	HD 134083	19.550 ± 0.118	2	HIPnr,YPC	0.55	S	D
F077	HD 71243	19.566 ± 0.046	2	HIPnr,YPC	0.87		D
F078	HD 105211	19.739 ± 0.047	2	HIPnr,YPC	37.31		
F079	GJ 818.1 A	19.814 ± 0.591	2	HIPnr,YPC	0.61		D
F080	HD 68456	19.867 ± 0.997	2	YPC,HIPnr	1.21		
F081	HD 29875	20.165 ± 0.057	2	HIPnr,YPC	0.52		D
F082	HD 58855	20.241 ± 0.147	2	HIPnr,YPC	0.64	S	D
F083	HD 202444	20.326 ± 0.165	2	HIPnr,YPC	1.81	S	
F084	HD 78154	20.378 ± 0.153	2	YPC,HIPnr	0.64	S	D
F085	HD 27290	20.461 ± 0.151	2	YPC,HIPnr	0.52		D
F086	HD 219623	20.512 ± 0.109	2	HIPnr,YPC	2.50	S	
F087	HD 219482	20.542 ± 0.139	1	HIPnr	0.52		D
F088	HD 154417	20.681 ± 0.171	2	HIPnr,YPC	1.53	S	
F089	HD 43042	20.811 ± 0.147	2	HIPnr,YPC	61.13	S	
F090	HD 33564	20.886 ± 0.092	2	YPC,HIPnr	0.72	S	D
F091	HD 25998	20.897 ± 0.104	3	HIPnr,YPC,HIPnr	11.61	S	
F092	HD 3196	21.109 ± 0.300	2	YPC,HIPnr	0.53	S	D
F093	GJ 55.3 A	21.103 ± 0.163	3	YPC,HIPnr,HIPnr	0.52		D
F094	HD 187013	21.135 ± 0.110	4	YPC,sod99,HIPnr,YPC	3.44	S	
F095	HD 189245	21.249 ± 0.180	2	YPC,HIPnr	0.94	S	D
F096	HD 739	21.281 ± 0.122	1	HIPnr	0.52	S	D
F097	HD 89449	21.372 ± 0.110	2	YPC,HIPnr	0.53	S	D
F098	HD 55892	21.422 ± 0.073	2	HIPnr,YPC	1.11		D
F099	HD 160032	21.447 ± 0.152	2	HIPnr,YPC	1.12		D
F100	HD 90089	21.507 ± 0.643	2	YPC,HIPnr	0.52		D
F101	HD 22001	21.681 ± 0.056	2	YPC,HIPnr	0.61		D
F102	HD 16673	21.763 ± 0.194	1	HIPnr	0.52	S	D
F103	HD 108954	21.782 ± 0.166	1	HIPnr	0.52	S	D
F104	HD 91324	21.815 ± 0.090	2	HIPnr,YPC	4.05		
F105	HD 199260	21.977 ± 0.183	2	HIPnr,YPC	0.68	S	D
F106	HD 206826	22.204 ± 0.211	2	HIPnr,YPC	0.70	S	D
F107	CCDM 19598-0957 A	22.243 ± 0.491	2	YPC,HIPnr	1.40	S	
F108	HD 106516	22.336 ± 0.404	1	HIPnr	0.57	S	D
F109	HD 68146	22.377 ± 0.150	2	YPC,HIPnr	0.64	S	D
F110	HD 19994	22.588 ± 0.143	2	YPC,HIPnr	0.62	S	D
F111	HD 213845	22.681 ± 0.134	2	YPC,HIPnr	0.53	S	D
F112	HD 16765	22.687 ± 0.428	2	YPC,HIPnr	0.53	S	D
F113	HD 89125	22.789 ± 0.181	2	YPC,HIPnr	0.53	S	D
F114	HD 168151	22.906 ± 0.089	2	YPC,HIPnr	0.53	S	D
F115	HD 162003	22.918 ± 0.177	3	YPC,HIPnr,HIPnr	0.54	S	D
F116	HD 167425	23.047 ± 0.207	1	HIPnr	0.63		D
F117	HD 219571	23.066 ± 0.335	2	HIPnr,YPC	0.52		D
F118	HD 160922	23.165 ± 0.091	2	HIPnr,YPC	0.54	S	D
F119	HD 11171	23.175 ± 0.139	3	YPC,HIPnr,HIPnr	0.52	S	D
F120	HD 101177	23.195 ± 0.391	2	HIPnr,YPC	0.52	S	D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
F121	HD 100180	23.326 ± 0.658	1	HIPnr	0.53	S	D
F122	HD 7439	23.375 ± 0.164	2	HIPnr,YPC	0.72	S	D
F123	HD 190422	23.441 ± 0.247	1	HIPnr	0.56		D
F124	HD 4676	23.451 ± 0.148	2	YPC,HIPnr	0.81	S	D
F125	HD 164259	23.559 ± 0.183	2	HIPnr,YPC	23.57	S	
F126	HD 214953	23.621 ± 0.223	2	YPC,HIPnr	0.52		D
F127	HD 99028	23.760 ± 0.462	2	YPC,HIPnr	0.53	S	
F128	HIP 46733	23.816 ± 0.091	2	YPC,HIPnr	0.54	S	
F129	HD 111456	24.072 ± 1.527	2	YPC,HIPnr	0.52	S	
F130	GJ 105.4 A	24.114 ± 0.746	2	sod99,YPC	0.53	S	
A001	HD 48915	2.631 ± 0.009	2	HIPnr,YPC	6.21	S	
A002	HD 187642	5.125 ± 0.014	2	YPC,HIPnr	1.24	S	D
A003	HD 172167	7.681 ± 0.021	2	YPC,HIPnr	0.59	S	
A004	HD 216956	7.701 ± 0.028	2	HIPnr,YPC	0.52	S	
A005	HD 102647	11.011 ± 0.063	2	HIPnr,YPC	0.54	S	D
A006	HD 60179	14.005 ± 0.408	2	HIPnr,YPC	0.54	S	D
A007	HD 76644	14.509 ± 0.034	2	YPC,HIPnr	0.52	S	D
A008	HD 159561	14.941 ± 0.230	2	YPC,HIPnr	1.26	S	
A009	HD 203280	15.038 ± 0.025	2	HIPnr,YPC	7.42	S	
A010	HD 128898	16.568 ± 0.038	2	HIPnr,YPC	6.41		
A011	HD 97603	17.918 ± 0.080	2	YPC,HIPnr	0.52	S	D
A012	HD 11636	17.965 ± 0.187	2	YPC,HIPnr	0.64	S	D
A013	HD 115892	18.021 ± 0.055	2	YPC,HIPnr	0.56	S	D
A014	HD 39060	19.440 ± 0.042	2	HIPnr,YPC	0.55		
A015	HD 141795	21.610 ± 0.089	2	HIPnr,YPC	0.62	S	D
A016	HD 38678	21.612 ± 0.075	2	YPC,HIPnr	0.91	S	D
A017	HD 118098	22.724 ± 0.098	2	YPC,HIPnr	0.53	S	D
A018	HD 139006	23.007 ± 0.148	2	YPC,HIPnr	0.55	S	D
A019	HD 156164	23.038 ± 0.080	2	HIPnr,YPC	0.54	S	D
A020	HD 130841	23.206 ± 0.092	4	YPC,HIPnr,HIPnr,YPC	0.68	S	D
A021	HD 2262	23.807 ± 0.091	2	YPC,HIPnr	0.52		D
A022	HD 197157	24.171 ± 0.146	2	YPC,HIPnr	0.53		D
A023	HD 16970	24.348 ± 0.367	3	HIPnr,YPC,YPC	0.53	S	D
A024	HD 95418	24.455 ± 0.096	2	YPC,HIPnr	0.52	S	D
A025	HD 74956	24.688 ± 0.237	2	YPC,HIPnr	4.13		
A026	HD 106591	24.688 ± 0.085	2	YPC,HIPnr	0.52	S	D
A027	HD 40183	24.910 ± 0.136	2	HIPnr,YPC	1.62	S	
A028	CCDM 13240+5456 A	25.064 ± 0.088	4	YPC,HIPnr,HIPnr,YPC	0.52	S	D
A029	HD 99211	25.246 ± 0.127	1	HIPnr	0.53	S	D
A030	HD 177724	25.465 ± 0.110	2	YPC,HIPnr	17.92	S	
A031	HD 157792	25.509 ± 0.156	2	HIPnr,YPC	26.39	S	
A032	HD 103287	25.510 ± 0.260	1	HIPnr	0.52	S	D
A033	CCDM 02449+1007 A	25.767 ± 0.212	2	HIPnr,YPC	2.34	S	
A034	HD 165777	26.620 ± 0.156	2	HIPnr,YPC	1.14	S	D
A035	HD 108767	26.637 ± 0.113	2	YPC,HIPnr	0.54	S	D
A036	CCDM 19026-2953 A	27.027 ± 0.635	1	HIPnr	0.89	S	D
A037	HD 155125	27.064 ± 0.584	2	HIPnr,YPC	4.44	S	
A038	HD 18978	27.168 ± 0.140	2	HIPnr,YPC	0.52	S	D
A039	HD 180777	27.303 ± 0.142	2	HIPnr,YPC	0.64	S	D
A040	HD 33111	27.362 ± 0.314	2	HIPnr,YPC	0.63	S	D
A041	HD 210418	28.180 ± 0.671	2	HIPnr,YPC	0.83	S	D
A042	HD 87696	28.238 ± 0.144	2	HIPnr,YPC	0.52	S	D
A043	HD 172555	28.539 ± 0.155	2	HIPnr,YPC	0.59		D
A044	HD 70060	28.560 ± 0.139	2	HIPnr,YPC	15.67	S	
A045	HD 78209	28.818 ± 0.208	1	HIPnr	0.52	S	D
A046	HD 173880	28.908 ± 0.383	2	HIPnr,YPC	3.11	S	
A047	HD 27045	28.944 ± 0.318	1	HIPnr	4.99	S	
A048	HD 125161	29.067 ± 0.161	2	YPC,HIPnr	0.52	S	D
A049	HD 50241	29.398 ± 1.528	2	YPC,HIPnr	0.73		D
A050	HD 209790	29.601 ± 0.916	2	YPC,HIPnr	10.97	S	
A051	HD 202730	30.256 ± 0.448	2	HIPnr,YPC	0.52		D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
A052	HD 159560	30.351 ± 0.106	3	HIPnr,HIPnr,YPC	0.54	S	D
A053	HD 125162	30.355 ± 0.147	2	YPC,HIPnr	0.52	S	D
A054	HD 8538	30.487 ± 0.130	2	YPC,HIPnr	10.02	S	
A055	HD 135379	30.550 ± 0.177	2	HIPnr,YPC	87.99		
A056	HD 56537	30.888 ± 0.210	2	HIPnr,YPC	0.77	S	D
A057	HD 88955	31.075 ± 0.145	2	HIPnr,YPC	0.83		D
A058	HD 213558	31.446 ± 0.119	2	YPC,HIPnr	1.89	S	
A059	HD 161868	31.513 ± 0.208	2	YPC,HIPnr	3.50	S	
A060	HD 47105	31.757 ± 1.926	2	HIPnr,YPC	4.76	S	
A061	HD 188228	32.217 ± 0.176	1	HIPnr	0.65		D
A062	HD 83446	32.321 ± 0.167	1	HIPnr	23.07		
A063	HD 222603	32.681 ± 0.203	2	HIPnr,YPC	0.53	S	D
A064	HD 20320	33.650 ± 0.328	2	HIPnr,YPC	0.59	S	D
A065	CCDM 15278+2906 A	34.281 ± 0.892	2	HIPnr,YPC	0.52	S	D
A066	HD 104513	34.282 ± 0.881	1	HIPnr	0.52	S	D
A067	HD 14055	34.397 ± 0.284	2	YPC,HIPnr	0.61	S	D
A068	HD 91312	34.627 ± 0.623	2	YPC,HIPnr	0.52	S	D
A069	HD 112413	35.247 ± 1.093	3	HIPnr,YPC,HIPnr	0.52	S	D
A070	HD 12111	35.262 ± 0.532	2	HIPnr,YPC	8.99	S	
A071	HD 109536	35.540 ± 0.354	2	YPC,HIPnr	0.66		D
A072	HD 31295	35.676 ± 0.318	1	HIPnr	3.40	S	
A073	HD 16754	35.723 ± 2.754	2	YPC,HIPnr	0.52		D
A074	HD 79439	35.837 ± 0.257	2	HIPnr,YPC	0.52	S	D
A075	HD 25490	35.854 ± 0.244	2	HIPnr,YPC	1.76	S	
A076	HD 110411	36.258 ± 0.276	1	HIPnr	0.52	S	D
A077	HD 17093	36.367 ± 0.528	2	HIPnr,YPC	0.81	S	D
A078	HD 184006	37.216 ± 0.152	1	HIPnr	1.02	S	D
A079	HD 102124	37.411 ± 0.350	2	HIPnr,YPC	0.52	S	D
A080	HD 177196	37.434 ± 0.238	2	HIPnr,YPC	0.56	S	D
A081	HD 44769	37.427 ± 0.882	3	HIPnr,YPC,HIPnr	6.59	S	
A082	HD 71155	37.514 ± 0.267	2	YPC,HIPnr	0.53	S	D
A083	HD 80081	38.181 ± 1.119	2	YPC,HIPnr	0.52	S	D
A084	HD 78045	38.283 ± 0.176	2	YPC,HIPnr	0.85		D
A085	HD 178253	38.428 ± 0.369	2	YPC,HIPnr	4.40	S	
A086	HD 13161	38.865 ± 0.514	1	HIPnr	0.65	S	D
A087	HD 95608	38.956 ± 0.258	1	HIPnr	0.52	S	D
A088	HD 102249	38.971 ± 0.516	1	HIPnr	8.93		
A089	HD 215789	39.497 ± 0.748	2	HIPnr,YPC	0.52		D
A090	HD 5448	39.602 ± 1.341	2	HIPnr,YPC	0.55	S	D
A091	HD 137898	39.718 ± 0.489	2	YPC,HIPnr	0.56	S	D
A092	HD 165040	39.853 ± 0.270	2	HIPnr,YPC	0.59		D
A093	HD 110304	39.872 ± 0.429	1	HIPnr	0.87		D
A094	HD 49434	39.968 ± 0.543	1	HIPnr	16.76	S	
A095	HD 109787	40.249 ± 0.858	2	YPC,HIPnr	0.92		D
A096	HD 154494	40.900 ± 0.635	2	YPC,HIPnr	0.64	S	D
A097	CCDM 16278-0822 A	40.954 ± 1.519	2	HIPnr,YPC	1.82	S	
A098	HD 85376	40.961 ± 2.342	2	YPC,HIPnr	0.52	S	D
A099	HD 6961	40.967 ± 0.403	1	HIPnr	3.80	S	
A100	HD 198639	40.969 ± 0.369	2	YPC,HIPnr	145.12	S	
A101	HD 130109	41.244 ± 0.323	2	YPC,HIPnr	0.54	S	D
A102	HD 146624	41.269 ± 0.375	2	HIPnr,YPC	4.26	S	
A103	HD 1404	41.291 ± 0.358	2	HIPnr,YPC	0.58	S	D
A104	HD 90132	41.477 ± 0.464	1	HIPnr	0.57	S	D
A105	HD 19107	41.562 ± 0.708	2	YPC,HIPnr	0.64	S	D
A106	HD 210049	41.592 ± 1.674	2	YPC,HIPnr	0.53	S	D
A107	HD 165189	41.788 ± 1.170	1	HIPnr	0.83		D
A108	HD 46304	41.806 ± 0.437	1	HIPnr	6.66	S	
A109	HD 223352	42.115 ± 0.408	2	YPC,HIPnr	0.52	S	D
A110	HD 89021	42.129 ± 1.378	2	YPC,HIPnr	0.52	S	D
A111	HD 123998	42.337 ± 0.323	1	HIPnr	2.41		
A112	HD 15089	42.383 ± 1.433	2	sod99,YPC	14.67	S	
A113	HD 23281	42.391 ± 0.898	1	HIPnr	0.66	S	D

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Table 3. System information (continued)

UNS ID	Primary	d (pc)	N_π	References	$C_{\mathrm{PACS},110}$ (mJy/beam)	Surveys	
A114	HD 28527	42.493 ± 0.442	4	YPC,YPC,HIPnr,HIPnr	6.02	S	
A115	HD 37594	42.553 ± 0.670	1	HIPnr	5.19	S	
A116	HD 192640	42.685 ± 0.401	2	HIPnr,YPC	82.97	S	
A117	HD 197950	42.744 ± 0.384	2	HIPnr,YPC	3.59	S	
A118	HD 15008	42.809 ± 0.623	2	HIPnr,YPC	0.53		D
A119	HD 212728	43.141 ± 0.670	1	HIPnr	0.52		D
A120	HD 186219	43.576 ± 0.645	2	YPC,HIPnr	0.64		D
A121	HD 222345	43.611 ± 1.997	1	HIPnr	0.53	S	D
A122	HD 48097	43.630 ± 1.275	1	HIPnr	2.74	S	
A123	HD 213398	43.804 ± 0.422	2	YPC,HIPnr	0.52	S	D
A124	CCDM 16035-5747 A	43.883 ± 1.729	2	YPC,sod99	6.25		
A125	HD 159492	44.500 ± 0.515	2	YPC,HIPnr	1.28		
A126	HD 37507	44.534 ± 0.892	2	HIPnr,YPC	123.02	S	
A127	HD 140436	44.621 ± 1.010	2	YPC,HIPnr	0.53	S	D
A128	HD 141296	45.269 ± 0.758	1	HIPnr	4.74		
A129	HD 28546	45.355 ± 0.851	4	YPC,YPC,HIPnr,HIPnr	8.81		
A130	HD 16555	45.538 ± 2.276	2	HIPnr,YPC	0.53		D

Table 4. Component names, positions and proper motions: 'Primary' column contains 'P' for primary component; 'Reference' column gives the reference for position and proper motion; ρ column gives separation of component from primary if larger than 1.0″. ρ should be considered approximate, and time variable for smaller separations (of order 100 AU or less). It is advised to check orbital solutions to find relative positions for a particular epoch.

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
M001	P	HIP 87937	17 57 48.50	+04 41 35.8	-798.8	10277.3	NLTT	
M002	P	GJ 406	10 56 28.99	+07 00 52.0	-3841.6	-2725.1	LHS	
M003	P	HD 95735	11 03 20.20	+35 58 11.6	-577.0	-4761.8	NLTT	
M004	P	GJ 65 A	01 39 01.54	−17 57 01.8	3296.2	563.9	NLTT	
M004		GJ 65 B	01 39 01.54	−17 57 01.8	3296.2	563.9	NLTT	
M005	P	HIP 92403	18 49 49.37	−23 50 10.4	644.2	-192.9	NLTT	
M006	P	GJ 905	23 41 55.00	+44 10 38.9	100.0	-1594.1	NLTT	
M007	P	HD 217987	23 05 52.04	−35 51 11.1	6767.3	1326.7	NLTT	
M008	P	HIP 57548	11 47 44.40	+00 48 16.4	605.6	-1219.2	NLTT	
M009	P	GJ 866 AB	22 38 33.62	−15 17 59.2	2314.8	2295.3	NLTT	
M010	P	HD 173739	18 42 46.68	+59 37 49.4	-1326.9	1802.1	NLTT	
M010		HD 173740	18 42 46.90	+59 37 36.6	-1393.2	1845.7	NLTT	12.9
M011	P	HD 1326	00 18 22.88	+44 01 22.6	2887.5	408.9	NLTT	
M011		GJ 15 B	00 18 25.81	+44 01 38.0	2876.8	341.3	NLTT	35.1
M012	P	GJ 1111	08 29 49.35	+26 46 33.7	-1111.7	-612.4	NLTT	
M013	P	LHS 1565	03 35 59.71	−44 30 45.4	731.6	-384.1	hen06	
M014	P	HIP 5643	01 12 30.64	−16 59 56.5	1241.5	616.3	dea05	
M015	P	HIP 36208	07 27 24.50	+05 13 32.9	573.6	-3691.0	NLTT	
M016	P	SO 0253+1652	02 53 00.89	+16 52 52.7	3403.8	-3807.0	hen06	
M017	P	HD 33793	05 11 40.61	−45 01 06.7	6544.2	-5774.3	NLTT	
M018	P	HD 239960	22 27 59.47	+57 41 45.1	-870.2	-471.1	NLTT	
M018		GJ 860 B	22 27 59.97	+57 41 44.4	-713.4	-320.7	TDSC	4.1
M019	P	GJ 234 A	06 29 23.40	−02 48 50.3	694.7	-618.6	NLTT	
M019		GJ 234 B	06 29 23.40	−02 48 50.3	694.7	-618.6	NLTT	
M020	P	HIP 80824	16 30 18.06	−12 39 45.3	-89.7	-1184.8	NLTT	
M021	P	HD 225213	00 05 24.43	−37 21 26.5	5639.4	-2340.9	NLTT	
M022	P	GJ 473 A	12 33 17.50	+09 01 14.1	-1720.7	179.0	LHS	
M022		GJ 473 B	12 33 17.50	+09 01 14.1	-1720.7	179.0	LHS	
M023	P	GJ 83.1	02 00 12.96	+13 03 06.7	1091.3	-1780.0	NLTT	
M024	P	HIP 86162	17 36 25.90	+68 20 20.9	-320.5	-1270.7	NLTT	
M025	P	GJ 3622	10 48 12.62	−11 20 09.7	580.3	-1531.1	NLTT	
M026	P	HIP 85523	17 28 39.95	−46 53 42.7	573.7	-878.1	NLTT	
M027	P	GJ 1245 A	19 53 54.48	+44 24 53.3	443.4	-581.2	NLTT	
M027		GJ 1245 B	19 53 55.14	+44 24 54.1	443.4	-581.2	NLTT	7.1

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
M028	P	HIP 113020	22 53 16.74	−14 15 49.3	960.2	-672.1	NLTT	
M029	P	GJ 1002	00 06 43.20	−07 32 17.1	-749.4	-1922.1	dea05	
M030	P	GJ 3618	10 44 21.23	−61 12 35.6	-350.0	1605.2	hen06	
M031	P	HIP 54211	11 05 28.57	+43 31 36.4	-4418.0	943.3	NLTT	
M031		GJ 412 B	11 05 30.90	+43 31 17.9	-4328.5	952.8	NLTT	31.4
M032	P	GJ 388	10 19 36.27	+19 52 12.1	-501.8	-42.8	NLTT	
M033	P	HD 204961	21 33 33.98	−49 00 32.4	-46.2	-818.0	NLTT	
M034	P	HIP 86214	17 37 03.66	−44 19 09.2	-710.1	-938.0	NLTT	
M035	P	HIP 112460	22 46 49.73	+44 20 02.4	-705.6	-460.3	NLTT	
M036	P	GJ 1116 B	08 58 15.13	+19 45 47.1	-846.7	-65.6	NLTT	
M036		GJ 1116 A	08 58 15.13	+19 45 47.1	-846.7	-65.6	NLTT	
M037	P	GJ 3379	06 00 03.52	+02 42 23.6	309.8	-40.8	hen06	
M038	P	GJ 3323	05 01 57.43	−06 56 46.5	-561.8	-525.7	hen06	
M039	P	HIP 57544	11 47 41.38	+78 41 28.2	743.8	477.5	NLTT	
M040	P	HD 119850	13 45 43.78	+14 53 29.5	1777.9	-1455.2	NLTT	
M041	P	GJ 169.1 A	04 31 11.52	+58 58 37.5	1300.2	-2049.0	NLTT	
M041		GJ 169.1 B	04 31 12.38	+58 58 37.7	1300.0	-2049.0	gou04	6.7
M042	P	HD 265866	06 54 48.96	+33 16 05.4	-727.6	-401.8	NLTT	
M043	P	HD 36395	05 31 27.40	−03 40 38.0	765.1	-2092.1	NLTT	
M044	P	HIP 103039	20 52 33.02	−16 58 29.1	-306.7	30.8	NLTT	
M045	P	HD 42581	06 10 34.61	−21 51 52.6	-139.4	-703.7	NLTT	
M046	P	HIP 86990	17 46 34.23	−57 19 08.6	-1120.3	-1353.0	NLTT	
M047	P	HD 180617	19 16 55.26	+05 10 08.0	-577.4	-1334.8	NLTT	
M047		GJ 752 B	19 16 57.60	+05 09 01.6	-610.0	-1369.0	gou04	75.1
M048	P	HIP 26857	05 42 09.27	+12 29 21.6	2001.4	-1572.9	NLTT	
M049	P	LHS 60	19 20 47.98	−45 33 29.7	640.8	-2890.5	jao05	
M050	P	HIP 76074	15 32 12.93	−41 16 32.1	-1174.9	-1030.4	NLTT	
M051	P	CCDM 00155-1608 A	00 15 28.11	−16 08 01.7	728.2	-617.5	NLTT	
M051		CCDM 00155-1608 B	00 15 28.11	−16 08 01.7	728.2	-617.5	NLTT	
M052	P	HIP 117473	23 49 12.52	+02 24 04.4	995.1	-968.2	NLTT	
M053	P	HIP 37766	07 44 40.17	+03 33 08.9	-348.5	-446.9	NLTT	
M054	P	HIP 34603	07 10 01.83	+38 31 46.1	-445.4	-943.3	NLTT	
M055	P	HIP 71253	14 34 16.82	−12 31 10.2	-342.5	600.5	jao05	
M056	P	HIP 74995	15 19 26.83	−07 43 20.3	-1219.0	-91.7	jao05	
M057	P	GJ 896 A	23 31 52.17	+19 56 14.3	543.2	-44.6	NLTT	
M057		GJ 896 B	23 31 52.56	+19 56 13.9	602.6	17.3	NLTT	5.5
M058	P	LHS 2090	09 00 23.55	+21 50 04.8	-509.8	-582.3	hen06	
M059	P	GJ 3737	12 38 49.10	−38 22 53.8	-651.1	-1311.6	hen06	
M060	P	GJ 661 A	17 12 07.83	+45 39 57.7	252.6	-1571.8	NLTT	
M060		GJ 661 B	17 12 07.83	+45 39 57.7	252.6	-1571.8	NLTT	
M061	P	GJ 3959	16 31 18.46	+40 51 54.1	-176.4	310.6	CNS3	
M062	P	GJ 644 A	16 55 28.77	−08 20 11.0	-809.9	-894.0	NLTT	
M062		GJ 644 B	16 55 28.77	−08 20 11.0	-809.9	-894.0	NLTT	
M062		HIP 82809	16 55 25.22	−08 19 21.3	-813.5	-895.2	NLTT	72.3
M062		GJ 644 C	16 55 35.25	−08 23 40.6	-770.7	-871.0	dea05	230.7
M063	P	HIP 80459	16 25 24.62	+54 18 14.7	434.4	-174.0	NLTT	
M064	P	LHS 271	09 42 46.36	−68 53 06.0	111.3	1115.0	jao05	
M065	P	GJ 1156	12 18 59.49	+11 07 32.8	-1246.1	186.5	LHS	
M066	P	GJ 3877	14 56 38.25	−28 09 48.6	-497.0	-827.1	NLTT	
M067	P	HIP 53767	11 00 04.26	+22 49 58.7	-427.0	-280.8	NLTT	
M068	P	HIP 106106	21 29 36.81	+17 38 35.8	1010.2	376.1	NLTT	
M069	P	GJ 3522	08 58 56.33	+08 28 26.0	385.1	-323.1	hen06	
M070	P	HIP 53020	10 50 52.06	+06 48 29.3	-804.4	-809.6	NLTT	
M071	P	HD 216899	22 56 34.80	+16 33 12.4	-1032.8	-284.1	NLTT	
M072	P	GJ 299	08 11 57.67	+08 46 22.2	1099.3	-5123.4	LHS	
M073	P	GJ 3193 B	03 01 51.39	−16 35 36.0	-387.8	-277.7	hen06	
M073		NLTT 9671	03 01 51.04	−16 35 31.0	-395.1	-271.5	hen06	7.1
M073		CCDM 03019-1635 C	03 01 51.28	−16 35 34.7	-387.8	-277.7	hen06,CCDM	2.0
M074	P	LHS 22	04 10 28.14	−53 36 08.2	-835.6	-2412.9	jao05	
M075	P	HD 199305	20 53 19.79	+62 09 15.8	0.8	-775.0	NLTT	
M076	P	HIP 51317	10 28 55.55	+00 50 27.6	-601.9	-734.5	NLTT	
M077	P	GJ 4063	18 34 36.65	+40 07 26.4	57.9	-203.0	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
M078	P	GJ 1286	23 35 10.54	−02 23 22.9	849.7	-957.3	LHS	
M079	P	GJ 4053	18 18 57.40	+66 11 32.4	464.4	-469.0	LHS	
M080	P	NLTT 54872	22 48 04.50	−24 22 07.8	323.3	-174.8	NLTT	
M081	P	GJ 4274	22 23 06.99	−17 36 26.3	248.3	-895.2	dea05	
M082	P	GJ 4248	22 02 29.39	−37 04 51.3	792.4	-213.8	hen06	
M083	P	HIP 83945	17 09 31.55	+43 40 52.9	333.9	-278.0	NLTT	
M084	P	GJ 1224	18 07 32.86	−15 57 47.1	-617.4	-342.6	NLTT	
M085	P	GJ 3378	06 01 11.13	+59 35 49.9	-60.0	-978.2	LHS	
M086	P	HIP 12781	02 44 15.51	+25 31 24.1	862.5	-360.7	NLTT	
M087	P	HIP 65859	13 29 59.78	+10 22 37.8	1127.1	-1074.3	NLTT	
M088	P	GJ 3207	03 11 35.22	−38 47 22.7	837.6	-194.9	LHS	
M089	P	GJ 2005	00 24 44.21	−27 08 24.4	-92.5	602.6	NLTT	
M090	P	GJ 1093	06 59 28.82	+19 20 55.8	902.8	-905.7	NLTT	
M091	P	HD 165222	18 05 07.58	−03 01 52.8	571.6	-334.6	NLTT	
M092	P	HIP 61874	12 40 46.29	−43 33 59.0	-782.0	693.5	NLTT	
M093	P	HIP 5496	01 10 22.90	−67 26 41.9	372.7	571.7	hen06	
M094	P	GJ 831 A	21 31 18.61	−09 47 26.4	1161.8	-54.2	NLTT	
M094		GJ 831 B	21 31 18.62	−09 47 26.6	1161.8	-54.2	NLTT,CCDM	
M095	P	HIP 49986	10 12 17.67	−03 44 44.4	-150.7	-245.2	NLTT	
M096	P	LHS 1989	08 12 40.88	−21 33 06.8	15.9	-698.6	hen06	
M097	P	HIP 101180	20 30 32.05	+65 26 58.4	445.8	282.3	NLTT	
M098	P	HIP 80346	16 24 09.32	+48 21 10.5	1144.2	-450.8	NLTT	
M099	P	GJ 257 A	06 57 46.60	−44 17 28.3	-1102.2	-42.6	NLTT	
M099		GJ 257 B	06 57 46.59	−44 17 27.0	-1102.2	-42.6	TDSC,NLTT	1.4
M100	P	HIP 86287	17 37 53.35	+18 35 30.1	926.6	982.1	NLTT	
M101	P	GJ 1289	23 43 06.28	+36 32 14.0	930.2	-135.7	LHS	
M102	P	SCR 0740-4257	07 40 11.80	−42 57 40.1	-476.8	531.4	SCR	
M103	P	GJ 493.1	13 00 33.54	+05 41 08.5	-939.5	241.2	LHS	
M104	P	GJ 747 A	19 07 42.99	+32 32 41.3	1235.4	1130.2	NLTT	
M104		GJ 747 B	19 07 43.02	+32 32 41.3	1235.4	1130.2	NLTT,CCDM	
M105	P	SCR 1138-7721	11 38 16.76	−77 21 48.5	-2054.9	624.3	hen06	
M106	P	GJ 1151	11 50 57.81	+48 22 37.8	-1512.2	-976.4	LHS	
M107	P	GJ 1227	18 22 27.28	+62 03 00.8	-919.4	-1260.3	LHS	
M108	P	HIP 4856	01 02 32.23	+71 40 47.3	1744.2	-381.4	NLTT	
M109	P	HIP 38956	07 58 12.70	+41 18 13.3	212.4	-685.1	NLTT	
M110	P	GJ 1230 B	18 41 09.86	+24 47 13.9	517.3	53.2	LHS	
M110		GJ 1230 A	18 41 09.86	+24 47 13.9	517.0	55.3	LHS	
M111	P	GJ 618 A	16 20 03.51	−37 31 44.4	-740.1	997.4	NLTT	
M111		GJ 618 B	16 20 03.24	−37 31 49.1	-740.0	997.0	gou04	5.7
M112	P	HIP 62452	12 47 56.62	+09 45 05.0	-1007.7	-461.0	NLTT	
M113	P	GJ 232	06 24 41.29	+23 25 58.7	545.1	-515.1	NLTT	
M114	P	GJ 1154 AB	12 14 16.62	+00 37 23.8	-907.1	-314.3	LHS	
M115	P	GJ 3146	02 16 29.85	+13 35 12.7	501.7	-437.7	NLTT	
M116	P	GJ 1057	03 13 22.98	+04 46 27.7	1759.6	39.6	LHS	
M117	P	GJ 3454	07 36 25.13	+07 04 43.1	238.9	-317.0	hen06	
K001	P	HD 22049	03 32 55.84	−09 27 29.7	-976.1	18.1	NLTT	
K002	P	HD 201091	21 06 53.94	+38 44 57.9	4155.1	3258.9	NLTT	
K002		HD 201092	21 06 55.27	+38 44 31.3	4117.1	3128.0	NLTT	30.8
K003	P	HD 209100	22 03 21.66	−56 47 09.5	3959.1	-2538.3	NLTT	
K003		2MASS 22041052-5646577	22 04 10.59	−56 46 58.1	4157.4	-2478.3	dea05	402.2
K004	P	HD 202560	21 17 15.27	−38 52 02.5	-3259.0	-1147.0	NLTT	
K005	P	HD 88230	10 11 22.14	+49 27 15.2	-1359.8	-505.7	NLTT	
K006	P	HD 26965	04 15 16.32	−07 39 10.3	-2239.3	-3419.9	NLTT	
K006		HD 26976	04 15 21.50	−07 39 22.3	-2239.3	-3419.9	NLTT	77.9
K006		GJ 166 C	04 15 21.50	−07 39 22.3	-2239.3	-3419.9	NLTT	77.9
K007	P	HD 165341	18 05 27.37	+02 29 59.3	276.3	-1091.8	NLTT	
K007		GJ 702 B	18 05 27.42	+02 29 56.4	442.1	-1253.0	NLTT	2.9
K008	P	HD 131977	14 57 28.00	−21 24 55.8	1035.7	-1734.9	NLTT	
K008		HD 131976	14 57 26.54	−21 24 41.5	987.0	-1666.8	NLTT	24.9
K009	P	HD 155886	17 15 20.98	−26 36 10.2	-473.7	-1143.9	NLTT	
K009		HD 155885	17 15 20.98	−26 36 10.2	-473.7	-1143.9	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
K009		HD 156026	17 16 13.36	−26 32 46.1	-480.4	-1123.3	NLTT	731.8
K010	P	HD 191408	20 11 11.94	−36 06 04.3	458.4	-1569.3	NLTT	
K010		GJ 783 B	20 11 12.08	−36 06 06.5	522.2	-1691.2	LHS	2.8
K011	P	HD 79210	09 14 22.77	+52 41 11.8	-1555.6	-570.0	NLTT	
K011		HD 79211	09 14 24.69	+52 41 10.9	-1560.8	-660.6	NLTT	17.5
K012	P	HD 191849	20 13 53.39	−45 09 50.5	777.8	-159.2	NLTT	
K013	P	HD 219134	23 13 16.98	+57 10 06.1	2074.5	295.4	NLTT	
K014	P	HD 16160	02 36 04.89	+06 53 12.7	1806.3	1442.5	NLTT	
K014		GJ 105 B	02 36 15.25	+06 52 18.1	1792.0	1460.0	gou04	163.6
K015	P	HD 156384	17 18 57.17	−34 59 24.0	1169.9	-173.0	PPM	
K015		GJ 667 B	17 18 57.18	−34 59 23.3	1149.2	-90.8	NLTT	
K015		GJ 667 C	17 18 58.83	−34 59 48.5	1149.2	-90.8	NLTT	31.9
K016	P	HD 4628	00 48 22.98	+05 16 50.3	757.3	-1135.4	NLTT	
K017	P	HD 10476	01 42 29.76	+20 16 06.6	-300.6	-673.7	NLTT	
K018	P	HD 6582	01 08 16.38	+54 55 13.2	3412.3	-1600.1	NLTT	
K018		GJ 53 B	01 08 16.38	+54 55 13.2	3412.3	-1600.1	NLTT	
K019	P	HD 216803	22 56 24.05	−31 33 56.0	334.0	-157.1	NLTT	
K020	P	HD 10361	01 39 47.85	−56 11 36.3	302.6	-14.1	TDSC,NLTT	
K020		HD 10360	01 39 47.56	−56 11 47.3	302.6	-14.1	NLTT	11.3
K021	P	HD 157881	17 25 45.23	+02 06 41.1	-579.1	-1183.2	NLTT	
K022	P	HD 217357	23 00 16.12	−22 31 27.6	-900.1	58.6	NLTT	
K023	P	HD 32450	05 02 28.41	−21 15 24.2	-150.7	-257.7	NLTT	
K023		GJ 185 B	05 02 28.46	−21 15 23.7	-150.7	-257.7	NLTT	
K024	P	HD 32147	05 00 49.00	−05 45 13.2	550.4	-1110.2	NLTT	
K025	P	HD 50281	06 52 18.05	−05 10 25.4	-544.2	-2.5	NLTT	
K025		GJ 250 B	06 52 18.07	−05 11 23.2	-575.0	-4.0	CCDM	57.8
K026	P	HD 156274	17 19 03.85	−46 38 10.2	1053.5	144.0	NLTT	
K026		GJ 666 B	17 19 02.99	−46 38 13.1	973.0	137.8	NLTT	9.4
K027	P	HD 192310	20 15 17.39	−27 01 58.7	1241.9	-180.8	NLTT	
K028	P	HD 103095	11 52 58.77	+37 43 07.2	4003.7	-5813.0	NLTT	
K029	P	HD 100623	11 34 29.49	−32 49 52.8	-669.9	825.2	NLTT	
K029		GJ 432 B	11 34 30.66	−32 50 04.0	-670.0	825.0	gou04	18.6
K030	P	HD 149661	16 36 21.45	−02 19 28.5	455.0	-308.1	NLTT	
K031	P	HD 151288	16 45 06.35	+33 30 33.2	-40.0	380.2	NLTT	
K032	P	HD 122064	13 57 32.06	+61 29 34.3	-31.4	217.2	NLTT	
K033	P	HD 232979	04 37 40.93	+52 53 37.0	303.7	-475.6	NLTT	
K034	P	HD 103932	11 57 56.21	−27 42 25.4	-1078.2	-620.1	NLTT	
K035	P	HD 17925	02 52 32.13	−12 46 11.0	397.3	-189.9	NLTT	
K036	P	HD 111631	12 50 43.57	−00 46 05.3	-29.8	-396.9	NLTT	
K037	P	HD 154363	17 05 03.40	−05 03 59.4	-915.6	-1139.2	NLTT	
K037		HIP 83599	17 05 13.78	−05 05 39.2	-921.2	-1128.2	NLTT	184.4
K038	P	HD 13445	02 10 25.99	−50 49 25.3	2150.3	673.2	NLTT	
K039	P	HD 147379	16 16 42.75	+67 14 19.8	-493.8	83.8	NLTT	
K039		HIP 79762	16 16 45.32	+67 15 22.5	-477.4	91.6	NLTT	64.4
K040	P	HD 223778	23 52 25.28	+75 32 40.5	325.8	45.6	NLTT	
K040		GJ 909 B	23 52 26.51	+75 32 40.1	325.8	45.6	NLTT,CCDM	4.6
K041	P	HIP 66459	13 37 28.77	+35 43 04.0	318.3	-58.2	NLTT	
K042	P	HD 160346	17 39 16.92	+03 33 18.8	-178.5	-99.8	NLTT	
K043	P	HD 11507	01 52 49.17	−22 26 05.5	845.3	0.4	NLTT	
K044	P	HD 166620	18 09 37.41	+38 27 28.0	-318.9	-467.8	NLTT	
K045	P	HD 3651	00 39 21.81	+21 15 01.7	-460.6	-369.8	NLTT	
K046	P	HD 115404	13 16 51.05	+17 01 01.9	623.9	-259.0	NLTT	
K046		GJ 505 B	13 16 51.54	+17 00 59.9	631.2	-260.8	NLTT	7.3
K047	P	HD 74576	08 43 18.03	−38 52 56.5	-300.4	342.9	NLTT	
K048	P	HD 85512	09 51 07.05	−43 30 10.0	461.6	-469.9	NLTT	
K049	P	HD 75632	08 55 24.82	+70 47 39.2	-1358.7	-375.6	NLTT	
K049		GJ 325 B	08 55 24.90	+70 47 38.5	-1324.4	-349.9	NLTT	
K050	P	GJ 4 A	00 05 41.03	+45 48 43.3	878.7	-153.9	NLTT	
K050		GJ 4 B	00 05 41.01	+45 48 37.1	878.7	-153.9	NLTT	6.1
K050		HIP 428	00 05 10.89	+45 47 11.6	869.8	-150.7	NLTT	328.2
K051	P	HD 245409	05 36 30.99	+11 19 40.3	-0.7	-57.5	TYC2	
K052	P	HD 222237	23 39 37.39	−72 43 19.7	141.1	-736.9	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
K053	P	HD 131511	14 53 23.77	+19 09 10.1	-441.0	217.1	NLTT	
K054	P	HD 125072	14 19 04.83	−59 22 44.5	-454.5	-810.0	NLTT	
K055	P	CCDM 15009+4526 A	15 00 55.58	+45 25 34.4	241.1	370.5	NLTT	
K055		CCDM 15009+4526 B	15 00 55.58	+45 25 34.4	241.1	370.5	NLTT	
K056	P	HD 97101	11 11 05.17	+30 26 45.7	590.8	-197.7	NLTT	
K056		GJ 414 B	11 11 02.54	+30 26 41.1	598.7	-220.9	NLTT	34.3
K057	P	HD 196877	20 42 18.78	−52 41 57.4	81.5	-1065.8	NLTT	
K058	P	HD 37394	05 41 20.34	+53 28 51.8	3.5	-523.6	NLTT	
K058		HD 233153	05 41 30.73	+53 29 23.3	3.2	-517.3	NLTT	98.0
K059	P	HD 101581	11 41 02.47	−44 24 18.7	-658.7	244.4	NLTT	
K060	P	HD 75732	08 52 35.81	+28 19 51.0	-484.8	-233.5	NLTT	
K060		GJ 324 B	08 52 40.89	+28 18 58.8	-475.5	-247.1	NLTT	85.0
K061	P	HD 21531	03 27 52.40	−19 48 16.1	535.0	304.1	NLTT	
K062	P	HD 158633	17 25 00.10	+67 18 24.1	-529.4	2.1	NLTT	
K063	P	HD 190007	20 02 47.04	+03 19 34.3	-88.2	121.6	TYC2	
K064	P	HD 82106	09 29 54.83	+05 39 18.5	-502.4	109.7	NLTT	
K065	P	HD 40307	05 54 04.24	−60 01 24.5	-52.5	-59.7	TYC2	
K066	P	HD 36003	05 28 26.10	−03 29 58.4	-305.7	-796.9	NLTT	
K067	P	HD 27274	04 15 56.90	−53 18 35.3	784.9	396.1	NLTT	
K068	P	HD 166348	18 12 21.39	−43 26 41.4	133.1	-415.4	NLTT	
K069	P	HD 98712	11 21 26.67	−20 27 13.6	181.7	-117.5	NLTT	
K069		GJ 425 B	11 21 26.56	−20 27 09.3	178.5	-115.2	NLTT	4.5
K070	P	HIP 67090	13 45 05.08	+17 47 07.6	455.7	-1832.9	NLTT	
K071	P	HD 29697	04 41 18.86	+20 54 05.4	-233.9	-254.3	NLTT	
K072	P	HD 128165	14 33 28.87	+52 54 31.6	-191.8	247.4	NLTT	
K073	P	HD 170657	18 31 18.96	−18 54 31.7	-138.8	-195.5	NLTT	
K074	P	HD 120476	13 49 04.00	+26 58 47.7	-427.4	-89.9	NLTT	
K074		GJ 528 B	13 49 04.05	+26 58 44.1	-436.0	-110.8	NLTT	3.6
K075	P	GJ 428 A	11 24 40.34	−61 38 51.1	-490.8	98.9	NLTT	
K075		GJ 428 B	11 24 39.48	−61 38 54.3	-561.7	77.4	NLTT	6.9
K076	P	HD 211970	22 22 16.21	−54 33 38.2	-182.5	235.4	NLTT	
K077	P	HD 214749	22 40 43.39	−29 40 28.1	383.0	-18.1	NLTT	
K078	P	HD 10436	01 43 40.72	+63 49 24.2	-395.8	-582.7	NLTT	
K079	P	HD 22496	03 35 00.94	−48 25 08.9	404.4	309.2	NLTT	
K080	P	HD 154577	17 10 10.35	−60 43 43.6	72.2	590.1	NLTT	
K081	P	HIP 61094	12 31 15.81	+08 48 38.2	-636.3	-520.8	NLTT	
K082	P	HIP 27188	05 45 48.28	+62 14 12.4	297.3	-787.1	NLTT	
K083	P	HIP 42220	08 36 25.46	+67 17 42.3	-1063.8	48.6	NLTT	
K084	P	HD 145417	16 13 48.56	−57 34 13.8	-857.7	-1409.3	NLTT	
K085	P	HD 184489	19 34 39.84	+04 34 57.0	524.5	311.3	NLTT	
K086	P	GJ 400 A	10 45 21.49	+38 30 42.4	-34.5	147.8	TDSC	
K086		GJ 400 B	10 45 21.49	+38 30 42.4	-34.5	147.8	TDSC	
K087	P	HD 23356	03 43 55.34	−19 06 39.2	308.7	156.7	NLTT	
K088	P	HD 216133	22 50 19.42	−07 05 24.4	-106.0	104.4	TYC2	
K089	P	HD 5133	00 53 01.14	−30 21 24.9	622.2	31.8	NLTT	
K090	P	HD 61606	07 39 59.33	−03 35 51.0	71.7	-276.1	NLTT	
K090		GJ 282 B	07 40 02.90	−03 36 13.3	66.8	-286.2	NLTT	57.9
K090		HIP 36985	07 36 07.08	−03 06 38.8	36.3	-253.5	NLTT	3894.3
K091	P	HD 234078	13 52 00.00	+49 57 03.3	422.6	-139.7	NLTT	
K092	P	HD 110315	12 41 06.48	+15 22 35.8	122.1	-390.5	NLTT	
K093	P	HD 173818	18 47 27.25	−03 38 23.4	-132.6	-276.3	NLTT	
K094	P	HD 150689	16 44 15.02	−38 56 37.1	-18.5	-58.4	TYC2	
K094		CCDM 16453-3848 A	16 45 16.97	−38 48 33.2	-18.6	-56.3	TDSC	870.4
K094		CCDM 16453-3848 B	16 45 16.97	−38 48 33.2	-18.6	-56.3	TDSC	870.4
K095	P	HD 120467	13 49 44.81	−22 06 39.9	-1749.8	-494.7	NLTT	
K096	P	HIP 70218	14 21 57.22	+29 37 46.6	-631.4	-306.7	NLTT	
K097	P	HIP 44722	09 06 45.35	−08 48 24.6	-301.2	208.0	NLTT	
K098	P	HD 144579	16 04 56.79	+39 09 23.4	-571.9	52.2	NLTT	
K098		GJ 611 B	16 04 50.85	+39 09 36.0	-565.3	47.7	NLTT	70.3
K099	P	HIP 37288	07 39 23.04	+02 11 01.2	-147.6	-247.3	NLTT	
K100	P	HD 57095	07 17 29.57	−46 58 45.3	-14.3	585.1	NLTT	
K100		GJ 269 B	07 17 29.52	−46 58 46.0	-14.3	585.1	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
K101	P	HD 205390	21 36 41.24	−50 50 43.4	424.7	-196.8	NLTT	
K102	P	HD 97584	11 15 11.91	+73 28 30.7	-401.7	110.4	NLTT	
K102		GJ 420 B	11 15 10.92	+73 28 35.9	-403.8	112.1	NLTT	6.6
K103	P	HD 120036	13 47 42.16	−32 25 48.1	84.7	-23.7	TDSC	
K103		GJ 1177 B	13 47 42.85	−32 25 51.0	88.2	-62.7	TDSC	9.2
K104	P	HD 52698	07 01 13.74	−25 56 55.4	203.3	37.5	NLTT	
K105	P	HD 144628	16 09 42.79	−56 26 42.5	-136.1	334.5	NLTT	
K106	P	HD 142709	15 57 40.74	−42 37 27.2	-257.9	-190.5	NLTT	
K107	P	HD 19305	03 06 26.74	+01 57 54.6	389.9	-926.9	NLTT	
K108	P	HIP 13375	02 52 07.14	+34 23 21.7	996.5	-990.5	NLTT	
K109	P	HD 118926	13 40 07.13	−04 11 10.0	-385.8	482.2	NLTT	
K110	P	HD 45088	06 26 10.25	+18 45 24.8	-115.3	-167.8	NLTT	
K110		CCDM 06262+1845 B	06 26 10.25	+18 45 24.8	-115.3	-167.8	NLTT	
K111	P	HD 110833	12 44 14.53	+51 45 33.5	-389.8	-176.9	NLTT	
K112	P	HD 221503	23 32 49.40	−16 50 44.3	343.3	-218.6	NLTT	
K112		GJ 897 A	23 32 46.68	−16 45 12.4	352.0	-216.1	NLTT	334.2
K112		GJ 897 B	23 32 46.68	−16 45 12.4	352.0	-216.1	NLTT	334.2
K113	P	HIP 5247	01 07 08.20	+63 56 28.8	1546.5	318.0	NLTT	
K114	P	HD 218511	23 09 40.95	−67 43 58.2	-316.7	-214.8	NLTT	
K115	P	HIP 1368	00 17 06.38	+40 56 53.9	568.9	81.3	NLTT	
K116	P	HD 200779	21 05 19.75	+07 04 09.5	80.1	-564.2	NLTT	
K117	P	HD 36705	05 28 44.85	−65 26 55.0	48.9	137.6	TDSC	
K117		CCDM 05287-6527 B	05 28 44.27	−65 26 45.7	48.9	137.6	TDSC,CCDM	10.0
K118	P	HD 224953	00 02 08.72	−68 16 50.6	195.2	-209.9	NLTT	
K118		GJ 1294 B	00 02 09.35	−68 16 53.2	207.4	-231.8	NLTT	4.4
K119	P	TYC 8112-1978-1	06 37 11.24	−50 02 17.8	173.1	11.0	NLTT	
K119		TYC 8112-1978-2	06 37 11.13	−50 02 19.7	159.0	13.6	NLTT	2.2
K120	P	HD 34673	05 19 12.66	−03 04 25.8	696.9	127.1	NLTT	
K120		GJ 200 B	05 19 12.66	−03 04 25.8	696.9	127.1	NLTT	
K121	P	GJ 319 A	08 42 44.53	+09 33 24.2	210.0	-623.3	TDSC	
K121		GJ 319 B	08 42 44.53	+09 33 24.2	210.0	-623.3	NLTT	
K121		HIP 42762	08 42 52.23	+09 33 11.2	223.7	-616.1	NLTT	114.7
K122	P	HD 21197	03 24 59.73	−05 21 49.5	-230.4	-768.7	NLTT	
K123	P	HD 24916	03 57 28.70	−01 09 34.0	-181.9	-141.9	NLTT	
K123		GJ 157 B	03 57 28.92	−01 09 23.4	-182.4	-139.1	NLTT	11.1
K124	P	HIP 18280	03 54 35.47	−06 49 33.6	-5.1	528.3	NLTT	
K125	P	GJ 750 A	19 16 42.92	−45 53 21.6	215.7	-412.9	NLTT	
K125		GJ 750 B	19 16 42.92	−45 53 21.6	215.7	-412.9	NLTT	
K126	P	HD 139763	15 40 34.57	−18 02 56.5	161.7	88.8	NLTT	
K127	P	HD 4967	00 51 34.02	−22 54 36.2	611.8	-274.5	NLTT	
K127		GJ 40 B	00 51 35.14	−22 54 30.6	612.0	-275.0	gou04	16.5
G001	P	HD 128620	14 39 36.50	−60 50 02.3	-3678.2	481.8	NLTT	
G001		HD 128621	14 39 35.08	−60 50 13.8	-3600.4	952.1	NLTT	15.4
G001		HIP 70890	14 29 43.02	−62 40 46.7	-3777.2	775.4	jao05	7866.0
G002	P	HD 10700	01 44 04.08	−15 56 14.9	-1721.8	854.1	NLTT	
G003	P	HD 185144	19 32 21.59	+69 39 40.3	599.2	-1734.7	NLTT	
G004	P	HD 4614	00 49 06.29	+57 48 54.7	1087.1	-559.7	NLTT	
G004		GJ 34 B	00 49 05.17	+57 49 03.8	1104.7	-493.2	TDSC	12.8
G005	P	HD 20794	03 19 55.65	−43 04 11.2	3038.2	728.3	NLTT	
G006	P	HD 131156	14 51 23.39	+19 06 01.7	165.0	-68.6	TYC	
G006		GJ 566 B	14 51 23.05	+19 06 06.8	89.7	-147.3	TDSC	6.9
G007	P	CCDM 12337+4121 A	12 33 44.55	+41 21 26.9	-704.9	292.4	NLTT	
G007		CCDM 12337+4121 B	12 33 44.55	+41 21 26.9	-704.9	292.4	NLTT	
G008	P	HD 115617	13 18 24.32	−18 18 40.3	-1069.9	-1063.8	NLTT	
G009	P	HD 39587	05 54 22.98	+20 16 34.3	-174.6	-89.9	NLTT	
G010	P	HD 114710	13 11 52.39	+27 52 41.5	-800.9	882.2	NLTT	
G011	P	HD 20630	03 19 21.70	+03 22 12.7	269.7	93.6	NLTT	
G012	P	HD 102365	11 46 31.07	−40 30 01.3	-1530.1	402.5	NLTT	
G012		GJ 442 B	11 46 32.69	−40 29 47.7	-1530.0	403.0	gou04	22.9
G013	P	HD 101501	11 41 03.02	+34 12 05.9	-12.8	-380.6	NLTT	
G014	P	HD 10780	01 47 44.84	+63 51 09.0	582.6	-246.1	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
G015	P	HD 43834	06 10 14.47	−74 45 11.0	122.0	-212.7	NLTT	
G016	P	HD 13974	02 17 03.23	+34 13 27.2	1153.8	-245.1	NLTT	
G017	P	HD 82885	09 35 39.51	+35 48 36.6	-723.0	-247.8	NLTT	
G017		GJ 356 B	09 35 39.51	+35 48 36.6	-723.0	-247.8	NLTT	
G018	P	HD 20807	03 18 12.82	−62 30 22.9	1331.1	646.8	NLTT	
G018		HD 20766	03 17 46.16	−62 34 31.1	1338.4	650.3	NLTT	309.2
G019	P	HD 141004	15 46 26.61	+07 21 11.1	-224.5	-69.2	NLTT	
G020	P	HD 224930	00 02 10.19	+27 04 55.5	829.9	-989.4	TDSC	
G020		GJ 914 B	00 02 10.19	+27 04 55.5	829.9	-989.4	NLTT	
G021	P	HD 72673	08 32 51.50	−31 30 03.1	-1113.7	763.1	NLTT	
G022	P	HD 69830	08 18 23.95	−12 37 55.8	280.3	-989.5	NLTT	
G023	P	HD 34411	05 19 08.47	+40 05 56.6	519.4	-664.8	NLTT	
G024	P	HD 14412	02 18 58.50	−25 56 44.5	-217.7	445.2	NLTT	
G025	P	HD 133640	15 03 47.30	+47 39 14.5	-443.7	9.9	NLTT	
G025		GJ 575 B	15 03 47.48	+47 39 15.9	-374.3	39.4	NLTT	2.3
G026	P	CCDM 01418+4237 A	01 41 47.16	+42 36 48.4	806.6	-152.2	NLTT	
G026		CCDM 01418+4237 B	01 41 47.16	+42 36 48.4	806.6	-152.2	NLTT	
G027	P	HIP 80300	16 23 33.84	−39 13 46.2	76.5	2.4	TYC2	
G027		HD 147513	16 24 01.29	−39 11 34.7	72.3	3.3	TYC2	345.1
G028	P	HD 172051	18 38 53.40	−21 03 06.7	-74.1	-152.5	TYC2	
G029	P	HD 30495	04 47 36.29	−16 56 04.0	130.4	169.8	NLTT	
G030	P	HD 166	00 06 36.78	+29 01 17.4	380.5	-177.9	NLTT	
G031	P	HD 211415	22 18 15.61	−53 37 37.5	436.8	-632.8	TDSC	
G031		GJ 853 B	22 18 15.62	−53 37 37.5	436.8	-632.8	NLTT	
G032	P	HD 146233	16 15 37.27	−08 22 10.0	231.1	-494.6	NLTT	
G033	P	HD 95128	10 59 27.97	+40 25 48.9	-317.2	56.6	NLTT	
G034	P	HD 160269	17 34 59.58	+61 52 28.4	265.4	-520.9	NLTT	
G034		GJ 684 B	17 34 59.52	+61 52 29.8	277.4	-525.6	NLTT	1.5
G034		HIP 86087	17 35 34.48	+61 40 53.6	258.6	-514.2	NLTT	737.6
G035	P	HD 157214	17 20 39.57	+32 28 03.9	135.8	-1039.9	NLTT	
G036	P	HD 72905	08 39 11.70	+65 01 15.3	-28.9	88.5	TYC2	
G037	P	HD 196761	20 40 11.76	−23 46 25.9	500.2	460.8	NLTT	
G038	P	HD 140538	15 44 01.82	+02 30 54.6	-48.0	-147.2	TDSC	
G038		GJ 596.1 B	15 44 02.07	+02 30 56.6	-48.0	-147.2	TDSC,CCDM	4.2
G039	P	HD 136352	15 21 48.15	−48 19 03.5	-1621.1	-275.2	NLTT	
G040	P	HD 86728	10 01 00.66	+31 55 25.2	-529.1	-430.2	NLTT	
G040		2MASS 10005030+3155459	10 00 50.26	+31 55 45.2	-529.1	-430.2	2MASS,NLTT	133.9
G041	P	HD 4391	00 45 45.59	−47 33 07.2	183.9	78.2	NLTT	
G041		CCDM 00458-4733 B	00 45 44.46	−47 32 58.5	183.9	78.2	NLTT,CCDM	14.3
G042	P	HD 38858	05 48 34.94	−04 05 40.7	62.2	-228.6	NLTT	
G043	P	HD 140901	15 47 29.10	−37 54 58.7	-414.9	-213.7	NLTT	
G043		GJ 599 B	15 47 30.11	−37 55 08.3	-415.0	-214.0	gou04	15.2
G044	P	GJ 25 A	00 37 20.68	−24 46 02.1	1391.0	-13.0	NLTT	
G044		GJ 25 B	00 37 20.73	−24 46 02.4	1391.0	-13.0	NLTT	
G045	P	HD 41593	06 06 40.48	+15 32 31.6	-120.1	-103.0	TYC2	
G046	P	GJ 188 A	05 07 27.01	+18 38 42.2	537.4	19.3	NLTT	
G046		GJ 188 B	05 07 27.01	+18 38 42.2	537.4	19.3	NLTT	
G047	P	HD 160691	17 44 08.70	−51 50 02.6	-14.4	-191.8	NLTT	
G048	P	HD 217014	22 57 27.98	+20 46 07.8	207.9	59.8	NLTT	
G049	P	HD 182488	19 23 34.01	+33 13 19.1	79.3	162.4	NLTT	
G050	P	HD 116442	13 23 39.16	+02 43 24.0	13.3	199.6	NLTT	
G050		HD 116443	13 23 40.84	+02 43 31.0	4.8	201.3	NLTT	26.2
G051	P	HD 190360	20 03 37.40	+29 53 48.5	683.7	-524.3	NLTT	
G051		GJ 777 B	20 03 26.56	+29 51 59.6	682.6	-530.1	NLTT	178.1
G052	P	HD 142373	15 52 40.54	+42 27 05.5	440.3	630.3	NLTT	
G053	P	HD 207129	21 48 15.75	−47 18 13.0	165.4	-294.5	NLTT	
G054	P	HD 158614	17 30 23.80	−01 03 46.6	-126.7	-179.6	NLTT	
G054		GJ 678 B	17 30 23.77	−01 03 45.6	-126.7	-179.6	NLTT	1.1
G055	P	HD 64096	07 51 46.31	−13 53 52.8	-60.0	-338.9	NLTT	
G055		GJ 291 B	07 51 46.27	−13 53 52.6	-60.0	-338.9	NLTT	
G056	P	HD 43162	06 13 45.30	−23 51 43.0	-45.4	113.2	TYC2	
G057	P	HD 111395	12 48 47.05	+24 50 24.8	-335.0	-106.0	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
G058	P	HD 25680	04 05 20.26	+22 00 32.1	172.2	-130.2	NLTT	
G059	P	HD 53705	07 03 57.32	−43 36 28.9	-103.7	392.0	NLTT	
G059		HD 53706	07 03 58.93	−43 36 40.9	-98.5	383.4	NLTT	21.2
G059		HD 53680	07 03 50.22	−43 33 40.8	-93.0	395.3	NLTT	185.0
G060	P	HD 177565	19 06 52.46	−37 48 38.4	-188.2	-365.6	NLTT	
G061	P	HD 122742	14 03 32.35	+10 47 12.4	91.1	-307.5	NLTT	
G062	P	HD 62613	07 56 17.23	+80 15 55.9	-474.8	87.7	NLTT	
G063	P	HD 126053	14 23 15.29	+01 14 29.6	223.3	-477.8	NLTT	
G064	P	HD 143761	16 01 02.66	+33 18 12.6	-199.1	-773.9	NLTT	
G065	P	HD 50692	06 55 18.67	+25 22 32.5	-36.7	25.3	TYC2	
G066	P	HD 152391	16 52 58.80	−00 01 35.1	-709.3	-1483.7	NLTT	
G067	P	HD 142267	15 53 12.10	+13 11 47.8	-150.3	-561.8	NLTT	
G068	P	HD 76151	08 54 17.95	−05 26 04.1	-412.1	28.2	NLTT	
G069	P	HD 102438	11 47 15.81	−30 17 11.4	-265.3	-227.9	NLTT	
G070	P	HD 1237	00 16 12.68	−79 51 04.3	433.9	-58.0	NLTT	
G071	P	HD 165185	18 06 23.72	−36 01 11.2	106.8	7.4	TYC2	
G072	P	HD 200968	21 07 10.38	−13 55 22.5	382.3	-39.9	NLTT	
G072		GJ 819 B	21 07 10.39	−13 55 26.7	362.1	-32.7	NLTT	4.2
G073	P	HD 115383	13 16 46.52	+09 25 27.0	-334.9	191.0	NLTT	
G074	P	HD 193664	20 17 31.33	+66 51 13.3	472.5	296.1	NLTT	
G075	P	HD 165499	18 10 26.15	−62 00 08.0	-81.5	221.2	NLTT	
G076	P	GJ 580 A	15 13 50.90	−01 21 05.0	-1270.0	-502.1	NLTT	
G076		GJ 580 B	15 13 50.90	−01 21 05.0	-1270.0	-502.1	NLTT	
G077	P	HD 189567	20 05 32.77	−67 19 15.2	845.0	-673.5	NLTT	
G078	P	HD 190406	20 04 06.23	+17 04 12.6	-392.5	-407.6	TDSC	
G079	P	HD 99491	11 26 45.32	+03 00 47.2	-726.3	181.0	NLTT	
G079		HD 99492	11 26 46.28	+03 00 22.7	-728.3	185.7	NLTT	28.3
G080	P	HD 206860	21 44 31.33	+14 46 19.0	231.2	-113.9	NLTT	
G081	P	HD 137107	15 23 12.31	+30 17 16.1	125.8	-176.5	NLTT	
G081		HD 137108	15 23 12.35	+30 17 17.0	125.8	-176.5	TDSC,NLTT	1.0
G082	P	HD 42807	06 13 12.50	+10 37 37.7	77.3	-297.3	NLTT	
G083	P	HD 202940	21 19 45.63	−26 21 10.3	-568.3	-353.7	NLTT	
G083		GJ 825.4 B	21 19 45.51	−26 21 10.2	-541.1	-335.6	NLTT	1.6
G084	P	HD 130948	14 50 15.81	+23 54 42.6	144.3	30.6	TYC2	
G085	P	HD 39091	05 37 09.89	−80 28 08.8	312.0	1050.2	NLTT	
G086	P	HD 84737	09 48 35.37	+46 01 15.6	222.0	-93.5	NLTT	
G087	P	HD 222335	23 39 51.31	−32 44 36.3	135.8	-304.9	NLTT	
G088	P	HD 154345	17 02 36.40	+47 04 54.8	122.6	855.7	NLTT	
G089	P	HD 4747	00 49 26.77	−23 12 44.9	518.8	124.7	NLTT	
G090	P	HD 190771	20 05 09.78	+38 28 42.5	259.2	115.7	NLTT	
G091	P	HD 181321	19 21 29.77	−34 59 00.4	87.6	-86.4	TYC2	
G092	P	HD 9540	01 33 15.81	−24 10 40.7	272.7	-159.4	NLTT	
G092		GJ 59 B	01 33 00.07	−24 14 58.6	297.5	-137.7	NLTT	336.0
G093	P	HD 52711	07 03 30.46	+29 20 13.5	156.5	-827.8	NLTT	
G094	P	HD 78366	09 08 51.07	+33 52 56.0	-192.1	-116.7	NLTT	
G095	P	HD 36435	05 27 39.35	−60 24 57.6	-147.8	-91.8	TYC2	
G096	P	HD 43587	06 17 16.13	+05 06 00.3	-195.4	164.6	NLTT	
G097	P	HD 120690	13 51 20.32	−24 23 25.7	-584.2	-290.9	NLTT	
G098	P	HD 194640	20 27 44.25	−30 52 04.2	-13.6	-518.7	NLTT	
G099	P	HD 157347	17 22 51.29	−02 23 17.4	50.4	-107.4	TYC2	
G100	P	HD 79028	09 14 20.54	+61 25 24.0	-9.8	-30.6	TYC2	
G101	P	HD 136923	15 22 46.83	+18 55 08.3	-230.9	77.2	NLTT	
G102	P	CCDM 22583-0224 A	22 58 15.54	−02 23 43.4	-5.8	-15.1	TDSC	
G102		CCDM 22583-0224 B	22 58 15.54	−02 23 43.4	-5.8	-15.1	TDSC	
G103	P	HD 128642	14 29 22.31	+80 48 35.5	-72.0	-129.6	TYC2	
G104	P	HD 137763	15 28 09.61	−09 20 53.0	76.4	-359.0	NLTT	
G104		HD 137778	15 28 12.21	−09 21 28.3	80.5	-355.9	NLTT	52.2
G105	P	HD 128400	14 41 52.46	−75 08 22.1	119.8	-19.0	TYC2	
G106	P	HD 180161	19 12 11.36	+57 40 19.1	217.5	408.6	NLTT	
G107	P	HD 212698	22 26 34.30	−16 44 31.9	251.1	-20.6	NLTT	
G107		HD 212697	22 26 34.27	−16 44 29.7	251.1	-20.6	NLTT	2.2
G108	P	HD 89269	10 18 51.95	+44 02 54.0	61.9	-299.7	NLTT	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
G109	P	GJ 337 A	09 12 17.55	+14 59 45.7	-522.8	245.8	TDSC	
G109		GJ 337 B	09 12 17.55	+14 59 45.7	-522.8	245.8	NLTT	
G109		2MASS 09121469+1459396	09 12 14.63	+14 59 40.1	-522.8	245.8	2MASS,NLTT	42.7
G110	P	HD 203244	21 24 40.64	−68 13 40.2	139.5	172.0	NLTT	
G111	P	HD 24496	03 54 28.04	+16 36 57.8	220.1	-166.6	NLTT	
G111		CCDM 03545+1637 B	03 54 27.86	+16 36 57.1	220.1	-166.6	NLTT,CCDM	2.6
G112	P	HD 184385	19 33 25.55	+21 50 25.2	-21.3	-204.7	NLTT	
G113	P	HD 212330	22 24 56.36	−57 47 50.8	150.6	-344.9	NLTT	
G114	P	HD 9407	01 34 33.27	+68 56 53.3	-376.8	114.6	NLTT	
G115	P	HD 18803	03 02 26.03	+26 36 33.3	232.8	-167.9	NLTT	
G116	P	HD 112758	12 59 01.56	−09 50 02.7	-824.6	197.7	NLTT	
G116		GJ 491 B	12 59 01.56	−09 50 02.7	-824.6	197.7	NLTT	
G117	P	HD 197076	20 40 45.14	+19 56 07.9	118.2	310.2	NLTT	
G117		GJ 797 B	20 40 45.91	+19 54 03.4	118.2	310.2	NLTT,CCDM	125.0
G118	P	HD 1835	00 22 51.79	−12 12 34.0	393.9	61.0	NLTT	
G119	P	HD 76932	08 58 43.93	−16 07 57.8	244.5	213.0	NLTT	
G120	P	HD 186408	19 41 48.96	+50 31 30.2	-147.8	-158.7	NLTT	
G120		HD 186427	19 41 51.97	+50 31 03.1	-132.0	-163.0	NLTT	39.6
G121	P	HD 117043	13 25 59.86	+63 15 40.6	-394.3	220.0	NLTT	
G122	P	HD 146361	16 14 40.85	+33 51 31.0	-265.4	-83.9	NLTT	
G122		HD 146362	16 14 40.39	+33 51 27.1	-289.0	-85.1	NLTT	7.0
G122		HIP 79551	16 13 56.27	+33 46 24.3	-263.0	-82.9	NLTT	634.7
G123	P	HD 124580	14 15 38.69	−45 00 02.7	127.6	-136.3	NLTT	
G124	P	HD 26923	04 15 28.80	+06 11 12.7	-111.1	-106.3	TDSC	
G124		HD 26913	04 15 25.79	+06 11 58.8	-102.6	-112.8	TDSC	64.3
G125	P	HD 141272	15 48 09.46	+01 34 18.3	-176.5	-165.8	NLTT	
F001	P	HD 61421	07 39 18.12	+05 13 30.0	-716.6	-1034.6	NLTT	
F001		GJ 280 B	07 39 18.12	+05 13 30.0	-716.6	-1034.6	NLTT	
F002	P	HD 170153	18 21 03.38	+72 43 58.2	531.1	-351.6	NLTT	
F003	P	HD 30652	04 49 50.41	+06 57 40.6	462.9	11.8	NLTT	
F004	P	HD 98231	11 18 10.90	+31 31 44.9	-453.7	-591.4	NLTT	
F004		HD 98230	11 18 10.95	+31 31 45.7	-453.7	-591.4	NLTT	
F005	P	HD 1581	00 20 04.26	−64 52 29.3	1708.4	1164.8	NLTT	
F006	P	HD 38393	05 44 27.79	−22 26 54.2	-292.4	-368.5	NLTT	
F006		HD 38392	05 44 26.54	−22 25 18.6	-304.4	-352.2	NLTT	97.1
F007	P	HD 203608	21 26 26.61	−65 21 58.3	81.1	800.7	NLTT	
F008	P	HD 19373	03 09 04.02	+49 36 47.8	1262.6	-91.5	NLTT	
F009	P	HD 102870	11 50 41.72	+01 45 53.0	740.3	-271.7	NLTT	
F010	P	GJ 107 A	02 44 11.99	+49 13 42.4	334.0	-90.0	NLTT	
F010		GJ 107 B	02 44 10.25	+49 13 54.1	334.0	-90.0	gou04	20.7
F011	P	HD 142860	15 56 27.18	+15 39 41.8	311.2	-1282.2	NLTT	
F012	P	HD 33262	05 05 30.66	−57 28 21.7	-31.9	118.1	TYC2	
F012		HIP 23708	05 05 47.37	−57 33 13.8	-33.2	120.9	TYC2	321.6
F013	P	HD 210027	22 07 00.67	+25 20 42.4	297.4	26.4	NLTT	
F014	P	HD 110379	12 41 39.64	−01 26 57.8	-616.7	60.7	NLTT	
F014		HD 110380	12 41 39.64	−01 26 57.8	-616.7	60.7	NLTT	
F015	P	HD 207098	21 47 02.45	−16 07 38.2	263.3	-296.2	NLTT	
F016	P	HD 147584	16 28 28.14	−70 05 03.8	197.8	111.5	NLTT	
F017	P	HD 141891	15 55 08.56	−63 25 50.6	-188.4	-401.9	NLTT	
F018	P	HD 90839	10 30 37.58	+55 58 49.9	-177.7	-32.8	NLTT	
F018		HD 237903	10 30 25.31	+55 59 56.8	-180.8	-33.7	NLTT	122.8
F019	P	HD 82328	09 32 51.43	+51 40 38.3	-947.1	-535.6	NLTT	
F019		GJ 354 B	09 32 51.82	+51 40 36.3	-961.0	-567.0	CCDM	4.1
F020	P	HD 9826	01 36 47.84	+41 24 19.7	-172.6	-381.0	NLTT	
F021	P	HD 222368	23 39 57.04	+05 37 34.7	376.3	-436.5	NLTT	
F022	P	HD 22484	03 36 52.38	+00 24 06.0	-233.4	-482.1	NLTT	
F023	P	HD 20010	03 12 04.53	−28 59 15.4	371.5	612.3	NLTT	
F023		GJ 127 B	03 12 04.21	−28 59 13.0	345.8	648.3	TDSC	4.8
F024	P	HD 17206	02 45 06.19	−18 34 21.2	331.4	34.5	NLTT	
F025	P	HD 35296	05 24 25.46	+17 23 00.7	250.9	-7.2	NLTT	
F025		HD 35171	05 23 38.38	+17 19 26.8	251.9	-3.3	NLTT	707.2

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
F026	P	HD 126660	14 25 11.80	+51 51 02.7	-236.8	-399.4	NLTT	
F026		GJ 549 B	14 25 11.58	+51 49 53.1	-243.0	-406.0	CCDM	69.6
F027	P	HD 197692	20 46 05.73	−25 16 15.2	-52.6	-148.7	TRC	
F028	P	HD 40136	05 56 24.29	−14 10 03.8	-44.6	132.4	TRC	
F029	P	HD 176051	18 57 01.61	+32 54 04.6	202.8	-144.0	NLTT	
F029		GJ 738 B	18 57 01.63	+32 54 05.6	202.8	-144.0	TDSC,NLTT	1.1
F030	P	HD 105452	12 08 24.82	−24 43 43.9	102.4	-36.9	TYC	
F031	P	HD 84117	09 42 14.42	−23 54 56.0	-400.3	263.2	NLTT	
F032	P	HD 7570	01 15 11.12	−45 31 54.0	665.2	177.6	NLTT	
F033	P	HD 63077	07 45 34.98	−34 10 20.8	-274.1	1687.0	NLTT	
F033		GJ 288 B	07 45 38.49	−33 55 52.0	-246.0	1654.0	gou04	869.9
F034	P	HD 153597	16 56 01.69	+65 08 05.3	237.7	52.2	NLTT	
F035	P	HD 182640	19 25 29.90	+03 06 53.2	254.8	82.1	NLTT	
F036	P	HD 120136	13 47 15.74	+17 27 24.8	-480.8	50.4	NLTT	
F036		GJ 527 B	13 47 15.85	+17 27 27.6	-458.0	-12.0	CCDM	3.2
F037	P	HD 165908	18 07 01.54	+30 33 43.4	-99.6	76.7	TRC	
F037		GJ 704 B	18 07 01.60	+30 33 44.0	-69.0	48.1	TDSC	
F038	P	HD 4813	00 50 07.59	−10 38 39.6	-225.4	-228.8	NLTT	
F039	P	HD 128167	14 34 40.82	+29 44 42.5	189.1	131.6	NLTT	
F040	P	GJ 332 A	09 00 38.37	+41 46 58.5	-487.7	-219.3	NLTT	
F040		GJ 332 B	09 00 38.37	+41 46 58.5	-487.7	-219.3	NLTT	
F041	P	HD 65907	07 57 46.92	−60 18 11.1	518.0	119.6	NLTT	
F041		GJ 294 B	07 57 54.88	−60 17 59.0	516.3	103.0	PPM	60.4
F041		GJ 294 C	07 57 54.57	−60 17 59.0	516.3	103.0	PPM,CCDM	58.1
F042	P	HD 90589	10 24 23.71	−74 01 53.8	-16.3	-28.3	TYC2	
F043	P	HD 215648	22 46 41.58	+12 10 22.4	233.6	-492.2	NLTT	
F043		GJ 872 B	22 46 42.35	+12 10 21.0	233.6	-492.2	NLTT	11.4
F044	P	HD 48682	06 46 44.34	+43 34 38.7	-0.8	165.3	TDSC	
F045	P	HD 55575	07 15 50.14	+47 14 23.9	29.6	-186.1	TYC2	
F046	P	HD 17051	02 42 33.47	−50 48 01.1	333.6	219.9	NLTT	
F047	P	HD 177474	19 06 25.14	−37 03 48.5	87.7	-283.9	NLTT	
F047		HD 177475	19 06 25.22	−37 03 48.9	87.7	-283.9	NLTT	1.1
F048	P	HD 81997	09 29 08.90	−02 46 08.4	98.9	-14.5	TYC	
F048		GJ 348 B	09 29 09.23	−02 45 02.8	142.2	-17.3	TDSC	65.7
F049	P	HD 156897	17 21 00.37	−21 06 46.6	262.0	-204.7	NLTT	
F049		GJ 670 B	17 21 00.58	−21 06 44.2	262.0	-204.7	NLTT,CCDM	3.7
F050	P	HD 110897	12 44 59.40	+39 16 44.1	-360.2	139.0	NLTT	
F051	P	HD 10647	01 42 29.32	−53 44 27.0	171.2	-104.5	TYC2	
F052	P	HD 139664	15 41 11.38	−44 39 40.3	-168.0	-265.6	NLTT	
F053	P	HD 23754	03 46 50.89	−23 14 59.0	-159.9	-529.1	NLTT	
F054	P	HD 160915	17 43 25.80	−21 40 59.5	-97.6	-49.5	TRC	
F055	P	HD 114378	13 09 59.29	+17 31 45.9	-430.1	137.8	NLTT	
F055		HD 114379	13 09 59.29	+17 31 46.3	-430.1	137.8	NLTT	
F056	P	HD 46588	06 46 14.15	+79 33 53.3	-98.7	-603.3	NLTT	
F057	P	GJ 292 A	07 52 15.67	−34 42 19.6	-192.6	236.8	NLTT	
F057		GJ 292 B	07 52 15.36	−34 42 19.7	-198.2	238.1	NLTT	3.7
F058	P	HD 58946	07 29 06.72	+31 47 04.3	157.2	186.9	NLTT	
F058		GJ 274 B	07 29 06.75	+31 47 07.7	157.2	186.9	NLTT,CCDM	3.4
F058		HIP 36357	07 29 01.77	+31 59 37.8	159.7	175.8	NLTT	756.1
F059	P	HD 125276	14 19 00.90	−25 48 55.5	-351.9	365.3	NLTT	
F059		GJ 542.1 B	14 19 00.86	−25 48 58.6	-351.9	365.3	NLTT,CCDM	3.1
F060	P	HD 114837	13 14 15.14	−59 06 11.6	-249.6	-154.6	NLTT	
F060		CCDM 13142-5906 B	13 14 15.03	−59 06 09.1	-249.6	-154.6	NLTT,CCDM	2.7
F061	P	HD 69897	08 20 03.86	+27 13 03.7	-17.6	-376.5	NLTT	
F062	P	HD 129502	14 43 03.62	−05 39 29.5	104.2	-319.9	NLTT	
F063	P	HD 109085	12 32 04.23	−16 11 45.6	-424.9	-57.2	NLTT	
F064	P	HD 210302	22 10 08.78	−32 32 54.3	429.0	14.0	NLTT	
F065	P	HD 185395	19 36 26.54	+50 13 16.0	-10.4	261.1	NLTT	
F065		GJ 765 B	19 36 26.89	+50 13 18.5	-10.4	261.1	NLTT,CCDM	4.2
F066	P	GJ 822 A	21 14 28.81	+10 00 25.1	39.7	-304.2	NLTT	
F066		GJ 822 B	21 14 28.81	+10 00 25.1	39.7	-304.2	NLTT	
F067	P	GJ 271 A	07 20 07.37	+21 58 56.3	-30.4	-14.7	TYC	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
F067		GJ 271 B	07 20 07.37	+21 58 56.3	-30.4	-14.7	TYC	
F068	P	HD 5015	00 53 04.20	+61 07 26.3	-68.4	169.7	NLTT	
F069	P	HD 693	00 11 15.86	−15 28 04.7	-82.5	-270.9	NLTT	
F070	P	HD 82434	09 30 41.97	−40 28 00.2	-191.4	73.2	NLTT	
F070		GJ 351 B	09 30 41.99	−40 28 00.8	-191.4	73.2	NLTT	
F071	P	HD 25457	04 02 36.74	−00 16 08.1	150.7	-252.0	NLTT	
F072	P	HD 187691	19 51 01.64	+10 24 56.6	241.1	-135.9	NLTT	
F072		GJ 768.1 B	19 51 00.62	+10 24 39.9	241.1	-135.9	NLTT,CCDM	22.5
F073	P	HD 173667	18 45 39.73	+20 32 46.7	-9.0	-336.2	NLTT	
F074	P	HD 43386	06 16 26.62	+12 16 19.8	81.9	186.9	NLTT	
F075	P	HD 119756	13 45 41.25	−33 02 37.4	-461.2	-146.5	NLTT	
F076	P	HD 134083	15 07 18.07	+24 52 09.1	184.9	-163.8	NLTT	
F077	P	HD 71243	08 18 31.55	−76 55 11.0	110.4	107.0	TYC2	
F078	P	HD 105211	12 06 52.90	−64 36 49.4	34.0	-37.2	TDSC	
F079	P	GJ 818.1 A	21 09 22.45	−73 10 22.7	461.3	-287.2	NLTT	
F079		GJ 818.1 B	21 09 22.45	−73 10 22.7	461.3	-287.2	NLTT	
F079		GJ 818.1 C	21 09 23.86	−73 10 27.3	461.0	-287.0	gou04	7.7
F080	P	HD 68456	08 09 00.66	−61 18 08.7	-158.8	-288.6	NLTT	
F081	P	HD 29875	04 40 33.71	−41 51 49.5	-141.1	-74.4	TDSC	
F081		GJ 174.1 B	04 40 34.22	−41 51 52.9	-141.1	-74.4	TDSC,CCDM	6.6
F082	P	HD 58855	07 29 55.96	+49 40 20.9	109.6	-83.0	TDSC	
F083	P	HD 202444	21 14 47.46	+38 02 43.4	158.7	431.3	NLTT	
F083		GJ 822.1 B	21 14 47.46	+38 02 44.1	158.7	431.3	NLTT	
F083		GJ 822.1 C	21 14 46.84	+38 01 13.0	159.0	431.0	gou04	90.6
F084	P	HD 78154	09 10 23.54	+67 08 02.4	7.1	-95.1	TDSC	
F084		GJ 335 B	09 10 23.51	+67 08 06.6	4.1	-30.0	TDSC	4.2
F085	P	HD 27290	04 16 01.59	−51 29 11.9	101.5	184.7	TYC2	
F086	P	HD 219623	23 16 42.30	+53 12 48.5	111.5	-237.0	NLTT	
F087	P	HD 219482	23 16 57.69	−62 00 04.3	182.2	-20.2	TYC2	
F088	P	HD 154417	17 05 16.82	+00 42 09.2	-16.8	-334.8	NLTT	
F089	P	HD 43042	06 14 50.88	+19 09 23.2	-96.9	-181.9	NLTT	
F090	P	HD 33564	05 22 33.53	+79 13 52.1	-78.5	161.0	TDSC	
F091	P	HD 25998	04 08 36.62	+38 02 23.0	166.8	-203.1	NLTT	
F091		HD 25893	04 07 34.35	+38 04 28.3	174.4	-230.9	NLTT	746.0
F091		NLTT 12566	04 07 34.36	+38 04 30.2	174.4	-230.9	NLTT	746.2
F092	P	HD 3196	00 35 14.88	−03 35 34.1	415.9	-23.2	NLTT	
F092		GJ 23 B	00 35 14.88	−03 35 34.1	415.9	-23.2	NLTT	
F093	P	GJ 55.3 A	01 15 46.15	−68 52 33.5	404.9	108.3	NLTT	
F093		GJ 55.3 B	01 15 45.58	−68 52 29.6	382.7	86.5	NLTT	5.0
F093		GJ 55.1 A	01 15 00.99	−68 49 08.1	416.6	75.9	NLTT	319.3
F093		GJ 55.1 B	01 15 00.87	−68 49 08.6	416.6	75.9	TDSC,NLTT	319.4
F094	P	HD 186858	19 45 33.54	+33 36 07.1	18.9	-445.8	NLTT	
F094		GJ 765.4 B	19 45 33.57	+33 36 04.7	18.9	-445.8	NLTT	2.5
F094		HD 187013	19 46 25.60	+33 43 39.3	23.3	-449.9	NLTT	791.8
F094		HD 225732	19 46 27.55	+33 43 48.9	23.3	-449.9	NLTT	817.3
F095	P	HD 189245	20 00 20.25	−33 42 12.4	130.7	-289.5	NLTT	
F096	P	HD 739	00 11 44.01	−35 07 59.2	169.2	115.4	NLTT	
F097	P	HD 89449	10 19 44.17	+19 28 15.3	-229.1	-215.6	NLTT	
F097		NLTT 23782	10 14 53.84	+20 22 13.3	-235.8	-226.3	NLTT	5220.0
F097		NLTT 23781	10 14 53.91	+20 22 18.5	-235.8	-226.3	NLTT	5222.4
F098	P	HD 55892	07 12 33.63	−46 45 33.5	-135.7	106.4	TYC2	
F099	P	HD 160032	17 40 23.83	−49 24 56.1	105.6	-177.0	NLTT	
F100	P	HD 90089	10 31 04.65	+82 33 31.0	-82.2	24.2	TYC2	
F101	P	HD 22001	03 29 22.68	−62 56 15.1	382.7	374.1	NLTT	
F101		GJ 143.2 B	03 29 29.04	−62 56 47.8	383.0	374.0	gou04	54.4
F102	P	HD 16673	02 40 12.42	−09 27 10.3	-138.6	-78.3	TYC2	
F103	P	HD 108954	12 30 50.13	+53 04 35.8	19.2	182.0	TYC2	
F104	P	HD 91324	10 31 21.82	−53 42 55.7	-419.3	209.9	NLTT	
F105	P	HD 199260	20 56 47.33	−26 17 46.9	94.3	-63.9	TYC2	
F106	P	HD 206826	21 44 08.59	+28 44 33.4	277.4	-251.1	NLTT	
F106		HD 206827	21 44 08.46	+28 44 34.5	277.4	-251.1	NLTT	2.0
F107	P	CCDM 19598-0957 A	19 59 47.32	−09 57 29.7	-282.0	-399.7	TDSC	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
F107		CCDM 19598-0957 B	19 59 47.32	−09 57 29.7	-282.0	-399.7	NLTT	
F108	P	HD 106516	12 15 10.56	−10 18 44.7	34.8	-1014.8	NLTT	
F109	P	HD 68146	08 10 39.83	−13 47 57.1	-250.3	58.1	NLTT	
F109		GJ 297.2 B	08 10 34.26	−13 48 51.5	-250.2	50.7	NLTT	97.6
F110	P	HD 19994	03 12 46.44	−01 11 46.0	194.1	-69.9	NLTT	
F110		GJ 128 B	03 12 46.36	−01 11 48.0	226.0	-66.0	CCDM	2.3
F111	P	HD 213845	22 34 41.64	−20 42 29.6	221.4	-145.5	NLTT	
F112	P	HD 16765	02 41 14.00	−00 41 44.4	222.4	-127.1	NLTT	
F112		TYC 4699-1214-2	02 41 13.78	−00 41 42.0	218.9	-125.3	NLTT	4.1
F113	P	HD 89125	10 17 14.54	+23 06 22.4	-412.7	-97.9	NLTT	
F113		GJ 387 B	10 17 14.06	+23 06 25.4	-412.0	-116.0	CCDM	7.3
F114	P	HD 168151	18 13 53.83	+64 23 50.2	350.8	36.4	NLTT	
F115	P	HD 162003	17 41 56.35	+72 08 55.9	25.4	-267.8	NLTT	
F115		HD 162004	17 41 58.10	+72 09 24.8	29.3	-277.2	NLTT	30.1
F116	P	HD 167425	18 19 40.13	−63 53 11.7	37.9	-280.4	NLTT	
F116		CCDM 18197-6353 B	18 19 40.09	−63 53 04.7	33.0	-276.0	CCDM	7.0
F117	P	HD 219571	23 17 25.78	−58 14 08.7	-26.5	78.4	TYC2	
F118	P	HD 160922	17 36 57.09	+68 45 28.7	1.8	321.1	NLTT	
F119	P	HD 11171	01 49 35.10	−10 41 11.1	-148.1	-95.7	TDSC	
F119		HD 11131	01 49 23.34	−10 42 12.7	-150.0	-91.1	TDSC	184.0
F120	P	HD 101177	11 38 44.90	+45 06 30.3	-594.0	15.1	NLTT	
F120		GJ 433.2 B	11 38 44.09	+45 06 27.0	-577.3	1.5	NLTT	9.2
F121	P	HD 100180	11 31 44.95	+14 21 52.2	-328.4	-190.1	NLTT	
F121		GJ 3670 B	11 31 44.41	+14 22 05.6	-327.9	-188.7	NLTT	15.5
F122	P	HD 7439	01 14 24.04	−07 55 22.2	124.6	278.7	NLTT	
F122		HD 7438	01 14 22.43	−07 54 39.2	123.3	271.6	NLTT	49.1
F123	P	HD 190422	20 07 35.09	−55 00 57.7	20.3	34.9	TYC2	
F124	P	HD 4676	00 48 58.71	+16 56 26.3	-1.9	-200.6	NLTT	
F125	P	HD 164259	18 00 29.01	−03 41 25.0	154.3	-45.0	TYC2	
F126	P	HD 214953	22 42 36.88	−47 12 38.9	3.1	-326.9	NLTT	
F126		GJ 871 B	22 42 37.49	−47 12 42.3	3.0	-327.0	gou04	7.1
F127	P	HD 99028	11 23 55.46	+10 31 46.3	152.5	-65.2	NLTT	
F127		TYC 858-1221-2	11 23 55.54	+10 31 45.4	152.5	-65.2	NLTT	1.5
F127		TYC 858-720-1	11 23 49.94	+10 37 07.9	158.5	-65.2	TDSC	331.7
F128	P	HIP 46733	09 31 31.71	+63 03 42.8	112.0	34.7	TRC	
F128		PPM 17083	09 31 28.21	+63 03 42.6	88.3	23.0	PPM	23.8
F129	P	HD 111456	12 48 39.46	+60 19 11.6	108.7	-1.1	TYC2	
F130	P	GJ 105.4 A	02 39 33.82	−11 52 19.8	145.8	-238.8	NLTT	
F130		GJ 105.4 B	02 39 33.82	−11 52 19.8	145.8	-238.8	NLTT	
A001	P	HD 48915	06 45 08.92	−16 42 58.0	-546.0	-1223.1	NLTT	
A001		GJ 244 B	06 45 08.92	−16 42 58.0	-546.0	-1223.1	NLTT	
A002	P	HD 187642	19 50 47.00	+08 52 06.0	536.8	385.5	NLTT	
A003	P	HD 172167	18 36 56.34	+38 47 01.3	201.0	287.5	NLTT	
A004	P	HD 216956	22 57 39.05	−29 37 20.1	329.2	-164.2	NLTT	
A005	P	HD 102647	11 49 03.58	+14 34 19.4	-499.0	-113.8	NLTT	
A006	P	HD 60179	07 34 35.86	+31 53 17.8	-206.3	-148.2	NLTT	
A006		HD 60178	07 34 36.10	+31 53 18.6	-206.3	-148.2	NLTT	3.1
A006		GJ 278 C	07 34 37.45	+31 52 10.2	-206.3	-148.2	NLTT	70.6
A007	P	HD 76644	08 59 12.45	+48 02 30.6	-441.1	-215.2	NLTT	
A007		GJ 331 B	08 59 12.58	+48 02 34.9	-441.1	-215.2	NLTT,CCDM	4.5
A007		GJ 331 C	08 59 12.58	+48 02 34.9	-441.1	-215.2	NLTT,CCDM	4.5
A008	P	HD 159561	17 34 56.07	+12 33 36.1	110.1	-222.6	NLTT	
A009	P	HD 203280	21 18 34.78	+62 35 08.1	151.6	49.1	TYC	
A010	P	HD 128898	14 42 30.42	−64 58 30.5	-191.8	-234.1	NLTT	
A010		GJ 560 B	14 42 28.60	−64 58 41.4	-192.0	-234.0	gou04	15.9
A011	P	HD 97603	11 14 06.50	+20 31 25.4	143.3	-130.4	NLTT	
A012	P	HD 11636	01 54 38.41	+20 48 28.9	93.4	-107.3	TYC	
A013	P	HD 115892	13 20 35.82	−36 42 44.3	-341.9	-87.4	NLTT	
A014	P	HD 39060	05 47 17.09	−51 03 59.4	4.1	83.3	TYC2	
A015	P	HD 141795	15 50 48.97	+04 28 39.8	128.5	62.2	TYC2	
A016	P	HD 38678	05 46 57.34	−14 49 19.1	-19.7	-6.5	TRC	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
A017	P	HD 118098	13 34 41.59	−00 35 45.0	-278.9	48.6	NLTT	
A018	P	HD 139006	15 34 41.26	+26 42 52.9	103.5	-85.9	TRC	
A019	P	HD 156164	17 15 01.91	+24 50 21.1	-20.3	-157.6	TDSC	
A020	P	HD 130841	14 50 52.72	−16 02 30.4	-105.5	-68.4	TDSC	
A020		HD 130819	14 50 41.20	−15 59 50.1	-107.5	-69.1	TRC	230.8
A021	P	HD 2262	00 26 12.20	−43 40 47.4	106.4	31.4	TYC2	
A022	P	HD 197157	20 44 02.33	−51 55 15.5	155.0	-54.8	TYC2	
A023	P	HD 16970	02 43 18.04	+03 14 08.9	-146.4	-145.3	NLTT	
A023		GJ 106.1 B	02 43 18.04	+03 14 08.9	-146.4	-145.3	NLTT	
A023		GJ 106.1 C	02 42 32.54	+03 22 26.1	-141.8	-146.4	NLTT	843.5
A024	P	HD 95418	11 01 50.49	+56 22 56.8	93.7	36.8	TRC	
A025	P	HD 74956	08 44 42.23	−54 42 31.8	28.8	-104.1	TDSC	
A026	P	HD 106591	12 15 25.57	+57 01 57.5	107.5	17.7	TRC	
A027	P	HD 40183	05 59 31.72	+44 56 50.8	-64.2	3.8	TRC	
A028	P	CCDM 13240+5456 A	13 23 55.54	+54 55 31.3	121.2	-22.0	TDSC	
A028		CCDM 13240+5456 B	13 23 55.54	+54 55 31.3	115.4	-25.7	TYC	
A028		HD 116657	13 23 56.33	+54 55 18.6	121.2	-22.0	TDSC	14.4
A028		HD 116842	13 25 13.54	+54 59 16.6	119.0	-18.3	TDSC	708.5
A029	P	HD 99211	11 24 52.92	−17 41 02.4	-98.7	3.4	TYC	
A029		CCDM 11249-1741 B	11 24 53.29	−17 41 02.8	-100.0	3.0	CCDM	5.3
A030	P	HD 177724	19 05 24.60	+13 51 48.5	-7.3	-96.0	TDSC	
A030		CCDM 19055+1352 B	19 05 24.96	+13 51 52.4	-7.3	-96.0	TDSC,CCDM	6.5
A031	P	HD 157792	17 26 22.21	−24 10 31.1	-1.4	-117.3	TYC2	
A032	P	HD 103287	11 53 49.84	+53 41 41.1	103.3	10.3	TYC2	
A033	P	CCDM 02449+1007 A	02 44 56.54	+10 06 50.9	285.0	-31.2	NLTT	
A033		CCDM 02449+1007 B	02 44 56.54	+10 06 50.9	285.0	-31.2	NLTT	
A034	P	HD 165777	18 07 20.98	+09 33 49.9	-59.1	80.1	TRC	
A034		GJ 9615 B	18 07 19.48	+09 34 02.2	-59.1	80.1	TRC,CCDM	25.4
A035	P	HD 108767	12 29 51.86	−16 30 55.6	-210.0	-139.3	NLTT	
A035		NLTT 30916	12 29 50.90	−16 31 15.0	-210.0	-139.3	NLTT	23.8
A036	P	CCDM 19026-2953 A	19 02 36.69	−29 52 48.4	-17.8	-2.4	TRC	
A036		CCDM 19026-2953 B	19 02 36.69	−29 52 48.4	-17.8	-2.4	TRC	
A037	P	HD 155125	17 10 22.68	−15 43 30.1	38.6	57.7	TRC	
A037		GJ 656.1 B	17 10 22.68	−15 43 30.1	38.6	57.7	TRC,CCDM	
A038	P	HD 18978	03 02 23.50	−23 37 27.9	-141.3	-38.4	TRC	
A039	P	HD 180777	19 09 09.87	+76 33 37.8	49.4	-120.0	TYC2	
A040	P	HD 33111	05 07 50.98	−05 05 11.2	-84.4	-75.3	TYC	
A041	P	HD 210418	22 10 11.98	+06 11 52.3	282.0	31.2	NLTT	
A042	P	HD 87696	10 07 25.76	+35 14 40.9	51.0	1.1	TYC2	
A043	P	HD 172555	18 45 26.90	−64 52 16.5	32.9	-148.2	TYC2	
A043		TYC 9077-2489-1	18 45 37.03	−64 51 46.1	28.0	-161.0	PPM	71.3
A044	P	HD 70060	08 18 33.31	−36 39 33.4	-110.0	99.9	TYC2	
A045	P	HD 78209	09 08 52.26	+51 36 16.7	-136.1	-32.7	TYC	
A046	P	HD 173880	18 47 01.27	+18 10 53.5	72.3	117.4	TDSC	
A047	P	HD 27045	04 17 15.66	+20 34 42.9	-39.5	-61.7	TDSC	
A047		HD 284336	04 17 26.94	+20 33 17.5	-43.5	-60.0	TRC	179.9
A048	P	HD 125161	14 16 09.93	+51 22 02.0	-150.2	89.5	NLTT	
A048		HD 234121	14 16 12.18	+51 22 34.6	-142.4	92.0	NLTT	38.7
A049	P	HD 50241	06 48 11.46	−61 56 28.7	-66.7	272.0	NLTT	
A050	P	HD 209790	22 03 47.45	+64 37 40.7	213.9	88.6	NLTT	
A050		HD 209791	22 03 46.22	+64 37 41.5	201.7	85.9	NLTT	8.0
A051	P	HD 202730	21 19 51.99	−53 26 58.0	112.6	-73.2	TYC	
A051		GJ 9733 B	21 19 51.22	−53 26 57.8	92.0	-78.2	TDSC	6.9
A052	P	HD 159560	17 32 16.03	+55 10 22.6	146.2	54.8	TRC	
A052		HD 159541	17 32 10.58	+55 11 03.3	152.6	57.6	TRC	61.9
A053	P	HD 125162	14 16 23.02	+46 05 17.9	-186.7	159.1	NLTT	
A054	P	HD 8538	01 25 48.95	+60 14 07.0	297.2	-49.5	NLTT	
A055	P	HD 135379	15 17 30.86	−58 48 04.4	-93.2	-135.6	TRC	
A056	P	HD 56537	07 18 05.58	+16 32 25.4	-45.9	-37.1	TDSC	
A056		GJ 9231 B	07 18 05.96	+16 32 33.4	-45.0	-39.0	CCDM	9.7
A057	P	HD 88955	10 14 44.15	−42 07 19.0	-150.6	50.9	TYC2	
A058	P	HD 213558	22 31 17.51	+50 16 56.9	149.0	6.1	TRC	

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
A059	P	HD 161868	17 47 53.56	+02 42 26.2	-23.2	-74.9	TYC2	
A060	P	HD 47105	06 37 42.71	+16 23 57.3	5.2	-63.2	TYC	
A061	P	HD 188228	20 00 35.55	−72 54 37.8	79.9	-131.6	TYC2	
A062	P	HD 83446	09 36 49.54	−49 21 18.1	-131.5	38.2	TDSC	
A063	P	HD 222603	23 42 02.81	+01 46 48.1	-129.5	-155.1	NLTT	
A064	P	HD 20320	03 15 50.02	−08 49 11.0	-3.7	45.2	TYC2	
A065	P	CCDM 15278+2906 A	15 27 49.73	+29 06 20.5	-181.5	85.2	TDSC	
A065		CCDM 15278+2906 B	15 27 49.73	+29 06 20.5	-181.5	85.2	TDSC	
A066	P	HD 104513	12 02 06.80	+43 02 44.3	-326.5	71.7	NLTT	
A067	P	HD 14055	02 17 18.87	+33 50 49.9	44.8	-53.0	TYC2	
A068	P	HD 91312	10 33 13.89	+40 25 32.0	-141.1	6.0	TDSC	
A069	P	HD 112413	12 56 01.67	+38 19 06.2	-233.4	55.0	NLTT	
A069		HD 112412	12 56 00.45	+38 18 53.7	-203.9	88.3	NLTT	19.0
A070	P	HD 12111	02 01 57.44	+70 54 25.4	-63.5	9.2	TDSC	
A070		TYC 4315-2126-2	02 01 57.28	+70 54 24.9	-63.5	9.2	TDSC	
A070		CCDM 02020+7054 C	02 02 01.19	+70 54 40.4	-63.5	9.2	TDSC,CCDM	23.7
A071	P	HD 109536	12 35 45.53	−41 01 19.0	-107.6	1.1	TYC2	
A072	P	HD 31295	04 54 53.73	+10 09 03.0	40.8	-128.9	TDSC	
A073	P	HD 16754	02 39 48.00	−42 53 30.1	103.6	-23.2	TDSC	
A073		CCDM 02398-4254 B	02 39 48.19	−42 53 06.4	103.6	-23.2	TDSC,CCDM	23.8
A074	P	HD 79439	09 16 11.33	+54 01 18.7	49.4	60.0	TYC2	
A075	P	HD 25490	04 03 09.38	+05 59 21.5	4.5	-2.3	TYC2	
A076	P	HD 110411	12 41 53.06	+10 14 08.3	81.9	-89.2	TYC2	
A077	P	HD 17093	02 44 57.58	+12 26 44.7	123.6	-85.0	TYC2	
A078	P	HD 184006	19 29 42.36	+51 43 47.2	20.6	129.6	TYC2	
A079	P	HD 102124	11 45 17.04	+08 15 29.2	59.2	-23.1	TYC2	
A080	P	HD 177196	19 01 26.37	+46 56 05.4	19.6	-81.8	TDSC	
A081	P	HD 44769	06 23 46.09	+04 35 34.3	-16.9	11.8	TDSC	
A081		HD 44770	06 23 46.50	+04 35 44.9	6.7	-22.3	TDSC	12.3
A082	P	HD 71155	08 25 39.63	−03 54 23.1	-68.7	-26.4	TYC	
A083	P	HD 80081	09 18 50.60	+36 48 09.0	-36.0	-120.0	PPM	
A083		TYC 2499-1655-2	09 18 50.42	+36 48 07.2	-36.0	-120.0	PPM,CCDM	2.8
A084	P	HD 78045	09 02 26.80	−66 23 45.8	-2.6	-91.6	TYC2	
A085	P	HD 178253	19 09 28.34	−37 54 16.1	85.3	-98.2	TYC2	
A086	P	HD 13161	02 09 32.63	+34 59 14.3	148.3	-39.9	TDSC	
A087	P	HD 95608	11 02 19.78	+20 10 47.4	-8.0	38.4	TYC2	
A088	P	HD 102249	11 45 36.42	−66 43 43.5	-97.8	33.5	TDSC	
A089	P	HD 215789	22 48 33.30	−51 19 00.8	108.0	-70.8	TYC2	
A090	P	HD 5448	00 56 45.20	+38 29 57.4	131.0	14.9	TRC	
A091	P	HD 137898	15 28 38.24	+01 50 31.5	-84.3	-32.4	TYC2	
A092	P	HD 165040	18 08 34.81	−63 40 06.7	17.2	-201.0	TYC2	
A093	P	HD 110304	12 41 31.03	−48 57 35.7	-193.6	-11.6	NLTT	
A093		TYC 8240-2724-2	12 41 31.01	−48 57 34.5	-193.6	-11.6	NLTT	1.2
A093		SCR 1240-4904	12 40 56.79	−49 04 01.9	-199.0	-2.1	SCR	512.5
A094	P	HD 49434	06 48 19.07	−01 19 08.1	-36.7	-34.2	TYC2	
A095	P	HD 109787	12 37 42.17	−48 32 28.7	-185.1	-6.8	NLTT	
A096	P	HD 154494	17 05 22.69	+12 44 27.0	50.8	-11.7	TDSC	
A097	P	CCDM 16278-0822 A	16 27 48.18	−08 22 18.0	-78.7	11.6	TDSC	
A097		CCDM 16278-0822 B	16 27 48.18	−08 22 18.0	-78.7	11.6	TDSC	
A097		HD 148300	16 27 28.92	−08 34 19.1	-84.0	10.6	TYC2	775.7
A097		TYC 5626-1249-1	16 27 22.38	−08 27 58.8	-70.0	-9.4	TYC2	512.6
A098	P	HD 85376	09 51 53.03	+24 23 43.3	10.1	-176.8	TYC2	
A099	P	HD 6961	01 11 06.16	+55 08 59.6	226.6	-19.3	NLTT	
A100	P	HD 198639	20 50 04.93	+44 03 33.5	122.8	133.2	TDSC	
A101	P	HD 130109	14 46 14.92	+01 53 34.4	-116.6	-23.1	TYC2	
A102	P	HD 146624	16 18 17.90	−28 36 50.5	-32.4	-100.2	TYC2	
A103	P	HD 1404	00 18 19.66	+36 47 06.8	-65.2	-42.3	TYC2	
A104	P	HD 90132	10 23 29.29	−38 00 35.4	-160.4	-54.0	NLTT	
A105	P	HD 19107	03 04 16.52	−07 36 03.1	65.7	17.5	TYC2	
A106	P	HD 210049	22 08 23.01	−32 59 18.5	77.3	-28.0	TYC2	
A107	P	HD 165189	18 06 49.89	−43 25 30.8	13.8	-105.3	TDSC	
A107		HD 165190	18 06 49.92	−43 25 29.1	13.8	-105.3	TDSC	1.7

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Table 4. Component names, positions and proper motions (continued)

UNS ID	Primary	Name	Position ICRS 2000.0		$\mu_\alpha \cos\delta$ (mas/yr)	μ_δ (mas/yr)	References	ρ (arcsec)
A108	P	HD 46304	06 32 23.13	−05 52 07.7	-0.1	-41.2	TDSC	
A108		CCDM 06324-0552 B	06 32 23.41	−05 52 08.1	-0.1	-41.2	TDSC,CCDM	4.2
A109	P	HD 223352	23 48 55.55	−28 07 49.0	99.9	-104.3	TDSC	
A109		CCDM 23489-2808 B	23 48 55.55	−28 07 49.0	99.9	-104.3	TDSC	
A109		HD 223340	23 48 50.50	−28 07 15.7	101.2	-104.7	TRC	74.6
A110	P	HD 89021	10 17 05.79	+42 54 51.7	-168.9	-39.0	TRC	
A111	P	HD 123998	14 18 13.89	−81 00 27.9	-20.7	-65.5	TYC2	
A112	P	HD 15089	02 29 03.96	+67 24 08.7	-18.0	11.8	TDSC	
A112		TYC 4058-1504-2	02 29 03.57	+67 24 07.0	-18.0	11.8	TDSC	2.8
A112		TYC 4058-1505-1	02 29 05.12	+67 24 05.7	-18.0	11.8	TDSC,CCDM	7.3
A113	P	HD 23281	03 43 33.84	−10 29 08.4	-4.7	-20.7	TYC2	
A114	P	HD 28527	04 30 33.63	+16 11 38.5	104.7	-25.1	TDSC	
A114		HD 28568	04 30 46.80	+16 08 55.3	104.0	-26.5	TDSC	250.2
A115	P	HD 37594	05 39 31.15	−03 33 53.0	-2.2	1.0	TYC2	
A116	P	HD 192640	20 14 32.04	+36 48 22.7	68.9	71.8	TDSC	
A117	P	HD 197950	20 43 11.02	+66 39 26.8	26.9	34.6	TYC2	
A118	P	HD 15008	02 21 44.94	−68 39 33.9	-49.2	1.4	TYC2	
A119	P	HD 212728	22 28 37.67	−67 29 20.6	150.8	-70.9	TYC2	
A120	P	HD 186219	19 49 25.31	−72 30 12.2	7.0	15.4	TYC2	
A121	P	HD 222345	23 39 47.07	−14 13 19.8	50.3	-51.6	TYC2	
A122	P	HD 48097	06 42 24.33	+17 38 43.1	8.7	-84.5	TYC2	
A123	P	HD 213398	22 31 30.33	−32 20 45.9	60.7	-20.7	TDSC	
A123		TYC 7497-1512-1	22 31 30.64	−32 21 15.9	55.4	-20.3	TDSC	30.3
A124	P	CCDM 16035-5747 A	16 03 32.09	−57 46 30.2	-116.1	-78.6	TDSC	
A124		CCDM 16035-5747 B	16 03 32.09	−57 46 30.2	-116.1	-78.6	TDSC	
A124		TYC 8718-2861-1	16 03 30.85	−57 46 35.4	-133.7	-106.4	TYC	11.3
A125	P	HD 159492	17 38 05.52	−54 30 01.6	-49.8	-149.9	TYC2	
A126	P	HD 37507	05 38 53.08	−07 12 46.2	-14.1	-50.6	TYC2	
A127	P	HD 140436	15 42 44.57	+26 17 44.3	-107.0	47.8	TDSC	
A127		TYC 2036-1674-2	15 42 44.60	+26 17 44.0	-107.0	47.8	TDSC	
A128	P	HD 141296	15 50 16.31	−45 24 06.2	39.9	-32.4	TDSC	
A128		CCDM 15503-4524 B	15 50 16.33	−45 24 09.1	39.9	-32.4	TDSC,CCDM	2.9
A128		CCDM 15503-4524 C	15 50 16.27	−45 24 08.8	39.9	-32.4	TDSC,CCDM	2.6
A129	P	HD 28546	04 30 38.89	+15 41 30.7	104.6	-26.6	TDSC	
A129		HD 28485	04 30 08.60	+15 38 16.2	110.6	-28.3	TDSC	478.8
A129		TYC 1265-1175-2	04 30 08.64	+15 38 17.8	110.6	-28.3	TDSC	477.7
A129		HD 28545	04 30 34.88	+15 44 02.3	99.6	-21.7	TDSC	162.3
A130	P	HD 16555	02 37 24.36	−52 32 35.2	95.8	-14.7	TYC2	

Table 5. A-K primary spectral types, Tycho photometry and effective temperatures: spectral type and reference; Tycho B_T,V_T magnitudes with standard errors and reference; $T_{\rm eff}$ from gray03 or gray06; $T_{\rm eff}$ computed from Tycho photometry (see text). Where TYC2 and TDSC give the same B_T,V_T and uncertainties we use TYC2 as the reference here. In six cases Tycho photometry is not available, so we give values converted from Johnson B,V magnitudes using $V_T = V_J + \frac{0.090}{0.850}(B_J - V_J)$, $B_T = V_J + \frac{1.090}{0.850}(B_J - V_J)$.

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{\rm eff,G}$ (K)	$T_{\rm eff,T}$ (K)
K001	HD 22049	K2 V (k)	gray06	3.814 ± 0.009	4.846 ± 0.014	TYC2	4999	5005
K002	HD 201091	K5 V	gray03	5.349 ± 0.009	6.711 ± 0.014	TYC2		4401
K003	HD 209100	K4 V (k)	gray06	4.826 ± 0.009	6.048 ± 0.014	TYC2		4654
K004	HD 202560	K7.0	haw96	6.845 ± 0.011	8.476 ± 0.017	TYC2		3915
K005	HD 88230	K5	haw95	6.751 ± 0.010	8.340 ± 0.016	TYC2		3990
K006	HD 26965	K0.5 V	gray06	4.506 ± 0.009	5.440 ± 0.014	TYC2	5124	5199
K007	HD 165341	K0- V	gray03	4.217 ± 0.009	5.180 ± 0.014	TYC2	5019	5140
K008	HD 131977	K4 V	gray06	5.880 ± 0.010	7.163 ± 0.016	TYC2		4544
K009	HD 155886	K1.5 V (k)	gray06	5.119 ± 0.009	6.097 ± 0.015	TYC2		5110
K010	HD 191408	K2.5 V	gray06	5.413 ± 0.009	6.391 ± 0.014	TYC2	4857	5110
K011	HD 79210	K7	haw95	7.789 ± 0.012	9.412 ± 0.022	TYC2		3930
K012	HD 191849	K7.0	haw96	8.174 ± 0.013	9.798 ± 0.025	TYC2		3928
K013	HD 219134	K3 V	gray03	5.674 ± 0.009	6.861 ± 0.015	TYC2	4798	4718

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
K014	HD 16160	K3 V	gray06	5.928 ± 0.010	7.063 ± 0.016	TYC2	4726	4813
K015	HD 156384	K4- V	gray06	6.366 ± 0.010	7.521 ± 0.016	TYC2		4776
K016	HD 4628	K2.5 V	gray06	5.828 ± 0.010	6.855 ± 0.015	TYC2	4916	5015
K017	HD 10476	K1 V	gray06	5.337 ± 0.010	6.300 ± 0.015	TYC2	5155	5140
K018	HD 6582	K1 V Fe-2	gray03	5.230 ± 0.009	5.988 ± 0.014	TYC2	5526	5595
K019	HD 216803	K4+ V k	gray06	6.601 ± 0.010	7.896 ± 0.016	TYC2		4522
K020	HD 10361	K2 V	gray06	5.781 ± 0.009	6.765 ± 0.015	TYC2		5099
K021	HD 157881	K5	haw95	7.705 ± 0.011	9.318 ± 0.019	TYC2		3947
K022	HD 217357	K5	haw95	8.047 ± 0.013	9.628 ± 0.025	TYC2		4005
K023	HD 32450	K7	haw95	8.660 ± 0.010	10.350 ± 0.030	TDSC		3812
K024	HD 32147	K3+ V	gray03	6.346 ± 0.010	7.613 ± 0.016	TYC2	4740	4573
K025	HD 50281	K3.5 V	gray03	6.705 ± 0.010	7.968 ± 0.016	TYC2	4572	4580
K026	HD 156274	G8/K0 V	houk	5.608 ± 0.009	6.501 ± 0.015	TYC2		5285
K027	HD 192310	K2+ V	gray06	5.824 ± 0.009	6.860 ± 0.014	TYC2	5015	4998
K028	HD 103095	K1 V Fe-1.5	gray03	6.509 ± 0.010	7.353 ± 0.015	TYC2	5157	5392
K029	HD 100623	K0- V	gray06	6.049 ± 0.009	6.962 ± 0.015	TYC2	5141	5242
K030	HD 149661	K0 V (k)	gray06	5.854 ± 0.009	6.815 ± 0.015	TYC2	5224	5144
K031	HD 151288	K5	haw95	8.253 ± 0.012	9.830 ± 0.022	TYC2		4012
K032	HD 122064	K3V	BSC5	6.611 ± 0.010	7.832 ± 0.015	TYC2		4656
K033	HD 232979	K7	haw95	8.804 ± 0.013	10.421 ± 0.029	TYC2		3940
K034	HD 103932	K4+ V	gray06	7.111 ± 0.010	8.449 ± 0.016	TYC2		4445
K035	HD 17925	K1.5 V (k)	gray06	6.145 ± 0.010	7.162 ± 0.016	TYC2	5056	5034
K036	HD 111631	K7	haw95	8.651 ± 0.015	10.279 ± 0.032	TYC2		3921
K037	HD 154363	K4/5 V	houk	7.860 ± 0.012	9.219 ± 0.020	TYC2		4407
K038	HD 13445	K1 V	gray06	6.209 ± 0.010	7.148 ± 0.015	TYC2	5129	5189
K039	HD 147379	K7	haw95	8.772 ± 0.015	10.347 ± 0.031	TYC2		4015
K040	HD 223778	K3 V	gray03	6.489 ± 0.010	7.612 ± 0.015	TYC2	4715	4835
K041	HIP 66459	K5	haw95	9.186 ± 0.016	10.858 ± 0.041	TYC2		3843
K042	HD 160346	K2.5 V	gray03	6.632 ± 0.010	7.750 ± 0.015	TYC2	4801	4844
K043	HD 11507	K7	haw95	9.101 ± 0.016	10.774 ± 0.041	TYC2		3842
K044	HD 166620	K2 V	gray03	6.483 ± 0.010	7.508 ± 0.015	TYC2	4900	5019
K045	HD 3651	K0 V	gray03	5.973 ± 0.010	6.961 ± 0.015	TYC2	5280	5091
K046	HD 115404	K2.5 V (k)	gray03	6.656 ± 0.010	7.687 ± 0.015	TYC2	4899	5007
K047	HD 74576	K2.5 V (k)	gray06	6.680 ± 0.009	7.766 ± 0.015	TYC2	4925	4904
K048	HD 85512	K6 V (k)	gray06	7.803 ± 0.010	9.159 ± 0.017	TYC2		4412
K049	HD 75632	K5	haw95	8.820 ± 0.010	10.380 ± 0.030	TDSC		4042
K050	GJ 4 A	K7	haw95	8.981 ± 0.013	10.586 ± 0.030	TYC2		3962
K051	HD 245409	K7	haw95	9.018 ± 0.021	10.651 ± 0.054	TYC2		3912
K052	HD 222237	K3+ V	gray06	7.209 ± 0.010	8.370 ± 0.016	TYC2	4615	4765
K053	HD 131511	K0 V	gray03	6.090 ± 0.010	7.052 ± 0.015	TYC2	5250	5142
K054	HD 125072	K3 IV	gray06	6.772 ± 0.010	7.982 ± 0.016	TYC2	4903	4676
K055	CCDM 15009+4526 A	K7	haw95	9.323 ± 0.018	11.009 ± 0.047	TYC2		3819
K056	HD 97101	K7 V	gray03	8.506 ± 0.015	10.095 ± 0.031	TYC2		3990
K057	HD 196877	K5.0	haw96	8.995 ± 0.016	10.573 ± 0.035	TYC2		4010
K058	HD 37394	K0 V	gray03	6.294 ± 0.010	7.271 ± 0.015	TYC2	5264	5112
K059	HD 101581	K4.5 V (k)	gray06	7.918 ± 0.011	9.157 ± 0.017	TYC2		4624
K060	HD 75732	K0 IV-V	gray03	6.036 ± 0.009	7.037 ± 0.015	TYC2	4999	5065
K061	HD 21531	K6 V k	gray06	8.556 ± 0.014	10.069 ± 0.028	TYC2		4127
K062	HD 158633	K0V	BSC5	6.510 ± 0.010	7.377 ± 0.015	TYC2		5341
K063	HD 190007	K4 V (k)	gray06	7.611 ± 0.011	8.925 ± 0.018	TYC2		4488
K064	HD 82106	K3 V	gray03	7.330 ± 0.012	8.506 ± 0.018	TYC2	4709	4738
K065	HD 40307	K2.5 V	gray06	7.256 ± 0.010	8.360 ± 0.016	TYC2	4775	4870
K066	HD 36003	K5- V	gray06	7.791 ± 0.011	9.143 ± 0.018	TYC2		4419
K067	HD 27274	K4.5 V (k)	gray06	7.769 ± 0.011	9.077 ± 0.017	TYC2		4499
K068	HD 166348	K6 V (k)	gray06	8.516 ± 0.013	10.030 ± 0.027	TYC2		4126
K069	HD 98712	K6 V ke	gray06	8.877 ± 0.015	10.364 ± 0.029	TYC2		4175
K070	HIP 67090	K5	haw95	10.012 ± 0.028	11.608 ± 0.068	TYC2		3978
K071	HD 29697	K4 V ke	gray03	8.250 ± 0.014	9.553 ± 0.024	TYC2		4508
K072	HD 128165	K3V	HIP	7.361 ± 0.010	8.519 ± 0.016	TYC2		4771
K073	HD 170657	K2 V	gray06	6.901 ± 0.011	7.897 ± 0.016	TYC2		5075
K074	HD 120476	K3.5 V	gray03	7.357 ± 0.009	8.667 ± 0.014	TYC		4495
K075	GJ 428 A	K5- V	gray06	7.676 ± 0.012	9.130 ± 0.020	TYC2		4234

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
K076	HD 211970	K5.0	haw96	9.160 ± 0.016	10.767 ± 0.039	TYC2		3958
K077	HD 214749	K4.5 V k	gray06	7.965 ± 0.012	9.338 ± 0.020	TYC2		4381
K078	HD 10436	K5.5 V	gray03	8.542 ± 0.012	9.957 ± 0.021	TYC2		4305
K079	HD 22496	K5.0	haw96	8.732 ± 0.013	10.299 ± 0.028	TYC2		4030
K080	HD 154577	K2.5 V (k)	gray06	7.494 ± 0.010	8.532 ± 0.016	TYC2	4850	4994
K081	HIP 61094	K7	haw95	9.861 ± 0.029	11.478 ± 0.071	TYC2		3940
K082	HIP 27188	K7	haw95	9.188 ± 0.016	10.805 ± 0.038	TYC2		3940
K083	HIP 42220	K7	haw95	9.467 ± 0.013	11.118 ± 0.028	TYC2		3880
K084	HD 145417	K3 V Fe-1.7	gray06	7.628 ± 0.010	8.563 ± 0.016	TYC2	4954	5197
K085	HD 184489	K5	haw95	9.505 ± 0.022	10.919 ± 0.048	TYC2		4307
K086	GJ 400 A	K7	haw95	9.447 ± 0.022	11.173 ± 0.060	TYC2		3751
K087	HD 23356	K2.5 V	gray06	7.190 ± 0.011	8.282 ± 0.016	TYC2		4892
K088	HD 216133	K7	haw95	10.082 ± 0.036	11.675 ± 0.081	TYC2		3983
K089	HD 5133	K2.5 V (k)	gray06	7.290 ± 0.011	8.338 ± 0.017	TYC2	4822	4975
K090	HD 61606	K3- V	gray03	7.296 ± 0.010	8.419 ± 0.016	TYC2	4908	4835
K091	HD 234078	K5	haw95	8.977 ± 0.015	10.521 ± 0.033	TYC2		4071
K092	HD 110315	K4.5 V	gray03	8.049 ± 0.012	9.338 ± 0.020	TYC2		4533
K093	HD 173818	K5	haw95	8.992 ± 0.018	10.458 ± 0.040	TYC2		4213
K094	HD 150689	K3+ V (k)	gray06	7.646 ± 0.013	8.879 ± 0.020	TYC2	4694	4635
K095	HD 120467	K5.5 V (k)	gray06	8.352 ± 0.013	9.817 ± 0.026	TYC2		4214
K096	HIP 70218	K6 V	gray03	8.697 ± 0.014	10.169 ± 0.027	TYC2		4202
K097	HIP 44722	K7	haw95	9.728 ± 0.034	11.599 ± 0.098	TYC2		3522
K098	HD 144579	K0 V Fe-1.2	gray03	6.735 ± 0.010	7.567 ± 0.015	TYC2	5280	5419
K099	HIP 37288	K7	haw95	9.818 ± 0.025	11.494 ± 0.066	TYC2		3836
K100	HD 57095	K2.5 V (k)	gray06	7.100 ± 0.011	8.145 ± 0.017	TYC2		4981
K101	HD 205390	K1.5 V	gray06	7.239 ± 0.010	8.269 ± 0.016	TYC2	4971	5009
K102	HD 97584	K5	CCDM	7.768 ± 0.011	8.990 ± 0.017	TYC2		4654
K103	HD 120036	K6.5 V (k)	gray06	8.986 ± 0.016	10.471 ± 0.036	TYC2		4178
K104	HD 52698	K1 V (k)	gray06	6.802 ± 0.010	7.828 ± 0.014	TYC2		5017
K105	HD 144628	K1 V	gray06	7.214 ± 0.011	8.189 ± 0.017	TYC2	5011	5116
K106	HD 142709	K5- V	gray06	8.194 ± 0.012	9.474 ± 0.020	TYC2		4550
K107	HD 19305	K5	haw95	9.234 ± 0.019	10.871 ± 0.047	TYC2		3905
K108	HIP 13375	K5	haw95	9.731 ± 0.032	11.226 ± 0.071	TYC2		4160
K109	HD 118926	K5	haw95	9.799 ± 0.030	11.435 ± 0.075	TYC2		3907
K110	HD 45088	K3 V k	gray03	6.915 ± 0.011	8.040 ± 0.017	TYC2	4647	4831
K111	HD 110833	K3	CCDM	7.118 ± 0.010	8.222 ± 0.015	TYC2		4870
K112	HD 221503	K5	haw95	8.763 ± 0.018	10.256 ± 0.036	TYC2		4164
K113	HIP 5247	K5	haw95	9.161 ± 0.016	10.655 ± 0.037	TYC2		4162
K114	HD 218511	K5.5 V (k)	gray06	8.444 ± 0.013	9.856 ± 0.022	TYC2		4311
K115	HIP 1368	K7	haw95	9.150 ± 0.017	10.713 ± 0.038	TYC2		4037
K116	HD 200779	K6 V	gray03	8.491 ± 0.019	9.853 ± 0.036	TYC2		4401
K117	HD 36705	K2 V k	gray06	7.030 ± 0.010	7.971 ± 0.016	TYC2	5041	5185
K118	HD 224953	K5.0	haw96	9.713 ± 0.022	11.175 ± 0.047	TYC2		4220
K119	TYC 8112-1978-1	K7.0	haw96	9.903 ± 0.030	11.586 ± 0.073	TYC2		3824
K120	HD 34673	K3 V	gray03	7.967 ± 0.012	9.163 ± 0.019	TYC2		4702
K121	GJ 319 A	K7	haw95	9.780 ± 0.028	11.454 ± 0.072	TYC2		3840
K122	HD 21197	K4 V	gray03	8.001 ± 0.012	9.367 ± 0.020	TYC2		4394
K123	HD 24916	K4 V	gray03	8.212 ± 0.014	9.536 ± 0.023	TYC2		4470
K124	HIP 18280	K7	haw95	9.208 ± 0.023	10.853 ± 0.062	TYC2		3891
K125	GJ 750 A	K7.0	haw96	9.587 ± 0.022	11.293 ± 0.057	TYC2		3785
K126	HD 139763	K6 V k	gray06	9.096 ± 0.022	10.631 ± 0.052	TYC2		4088
K127	HD 4967	K5	haw95	9.125 ± 0.018	10.666 ± 0.039	TYC2		4077
G001	HD 128620	G2 V	gray06	-0.065 ±	0.707 ±	bes90		5560
G002	HD 10700	G8.5 V	gray06	3.572 ± 0.009	4.380 ± 0.014	TYC2	5358	5474
G003	HD 185144	G9 V	gray03	4.757 ± 0.009	5.657 ± 0.014	TYC2	5210	5270
G004	HD 4614	G0V SB	HIP	3.518 ± 0.009	4.142 ± 0.014	TYC2		5968
G005	HD 20794	G8 V	gray06	4.336 ± 0.009	5.130 ± 0.014	TYC2	5478	5507
G006	HD 131156	G7 V	gray03	4.757 ± 0.009	5.575 ± 0.014	TYC2	5380	5451
G007	CCDM 12337+4121 A	G0 V	gray03	4.309 ± 0.009	4.955 ± 0.014	TYC2	5818	5901
G008	HD 115617	G7 V	gray06	4.810 ± 0.009	5.612 ± 0.014	TYC2	5503	5488
G009	HD 39587	G0 V CH-0.3	gray06	4.462 ± 0.009	5.103 ± 0.014	TYC2	5951	5916

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
G010	HD 114710	G0V	HIP	4.304 ± 0.009	4.946 ± 0.014	TYC2		5913
G011	HD 20630	G5 V	houk	4.919 ± 0.009	5.670 ± 0.014	TYC2		5613
G012	HD 102365	G2 V	gray06	4.962 ± 0.009	5.697 ± 0.014	TYC2	5688	5654
G013	HD 101501	G8 V	gray03	5.390 ± 0.009	6.217 ± 0.014	TYC2	5463	5430
G014	HD 10780	G9 V	gray03	5.710 ± 0.009	6.612 ± 0.014	TYC2	5312	5265
G015	HD 43834	G7 V	gray06	5.151 ± 0.009	5.968 ± 0.014	TYC2	5500	5453
G016	HD 13974	G0V	HIP	4.933 ± 0.009	5.597 ± 0.014	TYC2		5849
G017	HD 82885	G8+ V	gray03	5.478 ± 0.009	6.349 ± 0.014	TYC2	5370	5332
G018	HD 20807	G0 V	gray06	5.296 ± 0.009	5.940 ± 0.014	TYC2	5848	5907
G019	HD 141004	G0 IV-V	gray03	4.482 ± 0.009	5.138 ± 0.014	TYC2	5892	5872
G020	HD 224930	G5 V Fe-1	gray03	5.834 ± 0.009	6.555 ± 0.014	TYC2	5502	5691
G021	HD 72673	G9 V	gray06	6.462 ± 0.009	7.356 ± 0.014	TYC2	5272	5282
G022	HD 69830	G8+ V	gray06	6.030 ± 0.009	6.905 ± 0.015	TYC2	5447	5323
G023	HD 34411	G1 V	gray03	4.761 ± 0.009	5.438 ± 0.014	TYC2	5857	5811
G024	HD 14412	G8 V	gray06	6.414 ± 0.010	7.241 ± 0.015	TYC2	5423	5430
G025	HD 133640	G2V + G2V	HIP	5.203 ± 0.009	5.846 ± 0.014	TYC2		5910
G026	CCDM 01418+4237 A	G1 V	gray03	5.027 ± 0.009	5.703 ± 0.014	TYC2	5874	5814
G027	HIP 80300	DA	HIP	11.003 ± 0.077	10.780 ± 0.045	TYC2		12382
G028	HD 172051	G6 V	gray06	5.935 ± 0.010	6.666 ± 0.015	TYC2	5601	5664
G029	HD 30495	G1.5 V CH-0.5	gray06	5.558 ± 0.009	6.250 ± 0.014	TYC2	5758	5769
G030	HD 166	G8 V	gray03	6.145 ± 0.010	7.000 ± 0.015	TYC2	5412	5367
G031	HD 211415	G0 V	gray06	5.459 ± 0.009	6.107 ± 0.014	TYC2	5837	5896
G032	HD 146233	G2 V	gray03	5.570 ± 0.009	6.292 ± 0.015	TYC2	5744	5688
G033	HD 95128	G0V	HIP	5.102 ± 0.009	5.780 ± 0.014	TYC2		5808
G034	HD 160269	G0V	HIP	5.281 ± 0.009	5.927 ± 0.014	TYC2		5901
G035	HD 157214	G0V	BSC5	5.453 ± 0.009	6.126 ± 0.014	TYC2		5823
G036	HD 72905	G1.5Vb	BSC5	5.702 ± 0.009	6.376 ± 0.014	TYC2		5820
G037	HD 196761	G8 V	gray06	6.438 ± 0.010	7.256 ± 0.015	TYC2	5489	5451
G038	HD 140538	G3 V	houk	5.945 ± 0.010	6.698 ± 0.014	TYC2		5608
G039	HD 136352	G2- V	gray06	5.721 ± 0.009	6.421 ± 0.015	TYC2	5746	5747
G040	HD 86728	G4 V	gray03	5.451 ± 0.009	6.196 ± 0.014	TYC2	5720	5628
G041	HD 4391	G5 V Fe-0.8	gray06	5.865 ± 0.009	6.556 ± 0.014	TYC2	5772	5772
G042	HD 38858	G2 V	gray03	6.037 ± 0.010	6.724 ± 0.015	TYC2	5744	5783
G043	HD 140901	G7 IV-V	gray06	6.083 ± 0.009	6.884 ± 0.015	TYC2	5500	5491
G044	GJ 25 A	G7 V	gray06	6.200 ± 0.010	6.970 ± 0.010	TDSC	5480	5565
G045	HD 41593	G9 V	gray03	6.844 ± 0.010	7.787 ± 0.016	TYC2		5181
G046	GJ 188 A	G1 V	gray03	4.986 ± 0.009	5.699 ± 0.014	TYC2	5592	5712
G047	HD 160691	G3 IV-V	gray06	5.197 ± 0.009	5.964 ± 0.014	TYC2	5748	5573
G048	HD 217014	G2 V+	gray06	5.526 ± 0.009	6.249 ± 0.014	TYC2	5750	5685
G049	HD 182488	G9+ V	gray03	6.447 ± 0.010	7.374 ± 0.015	TYC2	5352	5213
G050	HD 116442	G9 V	gray03	7.125 ± 0.010	8.046 ± 0.016	TYC2	5350	5226
G051	HD 190360	G7 IV-V	gray06	5.811 ± 0.009	6.661 ± 0.014	TYC2	5497	5378
G052	HD 142373	G0 V Fe-0.8...	gray03	4.664 ± 0.009	5.278 ± 0.014	TYC2	5837	6000
G053	HD 207129	G0 V Fe+0.4	gray06	5.636 ± 0.009	6.289 ± 0.014	TYC2	5928	5881
G054	HD 158614	G6 V	houk	6.110 ± 0.010	6.900 ± 0.010	TDSC		5517
G055	HD 64096	G0 V	gray06	5.610 ± 0.010	6.220 ± 0.010	TDSC	5826	6012
G056	HD 43162	G6.5 V	gray06	6.446 ± 0.009	7.230 ± 0.014	TYC2	5571	5531
G057	HD 111395	G7 V	gray03	6.368 ± 0.010	7.166 ± 0.015	TYC2	5665	5498
G058	HD 25680	G1 V	gray03	5.971 ± 0.010	6.680 ± 0.015	TYC2	5788	5723
G059	HD 53705	G0 V	gray06	5.607 ± 0.009	6.280 ± 0.014	TYC2	5775	5823
G060	HD 177565	G6 V	gray06	6.226 ± 0.010	7.020 ± 0.015	TYC2	5624	5507
G061	HD 122742	G6 V	gray03	6.353 ± 0.010	7.206 ± 0.015	TYC2	5350	5371
G062	HD 62613	G8V	BSC5	6.630 ± 0.009	7.448 ± 0.015	TYC2		5451
G063	HD 126053	G1.5 V	gray03	6.323 ± 0.010	7.029 ± 0.015	TYC2	5722	5731
G064	HD 143761	G0 V	gray03	5.471 ± 0.009	6.130 ± 0.014	TYC2	5775	5863
G065	HD 50692	G0 V	gray03	5.816 ± 0.009	6.472 ± 0.015	TYC2	5907	5872
G066	HD 152391	G8.5 V (k)	gray06	6.733 ± 0.010	7.594 ± 0.015	TYC2	5422	5354
G067	HD 142267	G0IV	HIP	6.149 ± 0.010	6.794 ± 0.015	TYC2		5904
G068	HD 76151	G3 V	gray06	6.069 ± 0.009	6.813 ± 0.015	TYC2	5748	5631
G069	HD 102438	G6 V	gray06	6.552 ± 0.010	7.329 ± 0.015	TYC2	5528	5548
G070	HD 1237	G8.5 V (k)	gray06	6.668 ± 0.010	7.535 ± 0.015	TYC2	5336	5341
G071	HD 165185	G0 V	gray06	6.004 ± 0.009	6.657 ± 0.015	TYC2	5906	5881

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
G072	HD 200968	G9.5 V (k)	gray06	7.293 ± 0.010	8.325 ± 0.016	TYC2		5005
G073	HD 115383	G0Vs	HIP	5.249 ± 0.009	5.894 ± 0.014	TYC2		5904
G074	HD 193664	G0 V	gray03	5.986 ± 0.009	6.630 ± 0.014	TYC2	5932	5907
G075	HD 165499	G0 V	gray06	5.535 ± 0.009	6.183 ± 0.014	TYC2	5976	5896
G076	GJ 580 A	G9 V	gray03	6.667 ± 0.010	7.540 ± 0.016	TYC2	5391	5328
G077	HD 189567	G2 V	gray06	6.146 ± 0.010	6.846 ± 0.014	TYC2	5790	5747
G078	HD 190406	G0 V	gray06	5.857 ± 0.009	6.521 ± 0.014	TYC2	5913	5849
G079	HD 99491	G6/8 III/IV	houk	6.553 ± 0.010	7.477 ± 0.016	TYC2		5220
G080	HD 206860	G0 V CH-0.5	gray06	6.017 ± 0.010	6.658 ± 0.015	TYC2	5954	5916
G081	HD 137107	G2V	HIP	5.641 ± 0.009	6.237 ± 0.014	TYC2		6057
G082	HD 42807	G5 V	gray03	6.499 ± 0.010	7.241 ± 0.015	TYC2	5617	5636
G083	HD 202940	G7 V	gray06	6.727 ± 0.013	7.528 ± 0.019	TYC2	5354	5491
G084	HD 130948	G2V	HIP	5.935 ± 0.009	6.583 ± 0.014	TYC2		5896
G085	HD 39091	G0 V	gray06	5.721 ± 0.009	6.381 ± 0.014	TYC2	5998	5860
G086	HD 84737	G0 IV-V	gray03	5.141 ± 0.009	5.815 ± 0.014	TYC2	5859	5820
G087	HD 222335	G9.5 V	gray06	7.262 ± 0.011	8.207 ± 0.016	TYC2	5218	5177
G088	HD 154345	G8V	HIP	6.853 ± 0.010	7.686 ± 0.015	TYC2		5416
G089	HD 4747	G9 V	gray06	7.226 ± 0.011	8.112 ± 0.016	TYC2	5354	5299
G090	HD 190771	G2 V	gray03	6.255 ± 0.009	6.986 ± 0.015	TYC2	5732	5664
G091	HD 181321	G1 V	gray06	6.547 ± 0.011	7.237 ± 0.016	TYC2	5810	5775
G092	HD 9540	G8.5 V	gray06	7.055 ± 0.011	7.906 ± 0.016	TYC2	5428	5376
G093	HD 52711	G0 V	gray03	6.006 ± 0.010	6.654 ± 0.015	TYC2	5847	5896
G094	HD 78366	G0 IV-V	gray03	6.001 ± 0.009	6.641 ± 0.015	TYC2	5926	5919
G095	HD 36435	G9 V	gray06	7.073 ± 0.010	7.939 ± 0.016	TYC2	5424	5343
G096	HD 43587	G0 V	gray06	5.769 ± 0.009	6.425 ± 0.014	TYC2	5861	5872
G097	HD 120690	G5+ V	gray06	6.521 ± 0.010	7.291 ± 0.015	TYC2	5535	5565
G098	HD 194640	G8 V	gray06	6.697 ± 0.010	7.526 ± 0.015	TYC2	5500	5425
G099	HD 157347	G3 V	gray03	6.356 ± 0.010	7.122 ± 0.015	TYC2	5633	5575
G100	HD 79028	G0 IV-V	gray03	5.255 ± 0.009	5.902 ± 0.014	TYC2	5871	5899
G101	HD 136923	G9 V	gray03	7.239 ± 0.010	8.148 ± 0.016	TYC2		5251
G102	CCDM 22583-0224 A	G8 IV-V	gray03	6.248 ± 0.010	7.098 ± 0.015	TYC2	5450	5378
G103	HD 128642	G5	CCDM	6.974 ± 0.010	7.834 ± 0.015	TYC2		5356
G104	HD 137763	G9 V	gray03	6.948 ± 0.011	7.893 ± 0.016	TYC2	5390	5177
G105	HD 128400	G5 V	gray06	6.811 ± 0.010	7.605 ± 0.015	TYC2	5558	5507
G106	HD 180161	G8V	HIP	7.116 ± 0.010	8.037 ± 0.016	TYC2		5226
G107	HD 212698	G5 V Fe-0.8 CH-1	gray06	6.293 ± 0.010	6.970 ± 0.016	TYC2		5811
G108	HD 89269	G4 V	gray03	6.731 ± 0.010	7.490 ± 0.016	TYC2	5639	5593
G109	GJ 337 A	G9 V	gray03	6.565 ± 0.010	7.403 ± 0.015	TYC2	5270	5405
G110	HD 203244	G8 V	gray06	7.065 ± 0.010	7.885 ± 0.014	TYC2	5445	5446
G111	HD 24496	G7 V	gray03	6.905 ± 0.010	7.728 ± 0.016	TYC2	5445	5439
G112	HD 184385	G8 V	gray03	6.963 ± 0.010	7.811 ± 0.016	TYC2	5400	5383
G113	HD 212330	G2 IV-V	gray06	5.387 ± 0.009	6.129 ± 0.014	TYC2	5744	5636
G114	HD 9407	G6.5 V	gray03	6.595 ± 0.009	7.364 ± 0.015	TYC2		5568
G115	HD 18803	G6 V	gray03	6.704 ± 0.010	7.491 ± 0.016	TYC2	5588	5524
G116	HD 112758	G9 V	gray06	7.627 ± 0.012	8.557 ± 0.018	TYC2	5174	5207
G117	HD 197076	G1 V	gray03	6.501 ± 0.010	7.194 ± 0.015	TYC2	5842	5766
G118	HD 1835	G5 V CH-0.5	gray06	6.455 ± 0.010	7.186 ± 0.015	TYC2	5756	5664
G119	HD 76932	G2 V Fe-1.8 CH-1	gray06	5.871 ± 0.009	6.430 ± 0.014	TYC2	6003	6182
G120	HD 186408	G1.5 V	gray03	5.997 ± 0.009	6.719 ± 0.014	TYC2	5788	5688
G121	HD 117043	G6V	BSC5	6.574 ± 0.009	7.432 ± 0.015	TYC2		5360
G122	HD 146361	G1 IV-V (k)	gray03	5.620 ± 0.009	6.262 ± 0.014	TYC2		5913
G123	HD 124580	G0 V	gray06	6.373 ± 0.010	7.029 ± 0.015	TYC2	5913	5872
G124	HD 26923	G0 V CH-0.4	gray06	6.377 ± 0.010	7.009 ± 0.016	TYC2	5999	5944
G125	HD 141272	G9 V (k)	gray03	7.530 ± 0.012	8.453 ± 0.017	TYC2	5299	5222
F001	HD 61421	F5 IV-V	gray03	0.414 ±	0.909 ±	bes90	6629	6421
F002	HD 170153	F7Vvar	HIP	3.614 ± 0.009	4.150 ± 0.014	TYC2		6263
F003	HD 30652	F6V	BSC5	3.222 ± 0.009	3.723 ± 0.014	TYC2		6395
F004	HD 98231	G0V	BSC5	4.310 ± 0.010	4.910 ± 0.010	TDSC		6044
F005	HD 1581	F9.5 V	gray06	4.286 ± 0.009	4.900 ± 0.014	TYC2	5991	6000
F006	HD 38393	F6.5 V	gray06	3.638 ± 0.009	4.162 ± 0.014	TYC2	6372	6307
F007	HD 203608	F9 V Fe-1.4 CH-0.7	gray06	4.276 ± 0.009	4.783 ± 0.014	TYC2	6205	6371

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
F008	HD 19373	F9.5 V	gray03	4.107 ± 0.009	4.759 ± 0.014	TYC2	5899	5884
F009	HD 102870	F9 V	houk	3.649 ± 0.009	4.256 ± 0.014	TYC2		6022
F010	GJ 107 A	F7V	HIP	4.155 ± 0.009	4.685 ± 0.014	TYC2		6285
F011	HD 142860	F6V	BSC5	3.882 ± 0.009	4.400 ± 0.014	TYC2		6330
F012	HD 33262	F9 V Fe-0.5	gray06	4.767 ± 0.009	5.320 ± 0.014	TYC2	6246	6203
F013	HD 210027	F5V	BSC5	3.809 ± 0.009	4.275 ± 0.014	TYC2		6535
F014	HD 110379	F2 V	gray03	3.484 ± 0.009	3.872 ± 0.014	TYC2		6882
F015	HD 207098	kA5hF0mF2 III	gray06	2.885 ± 0.009	3.215 ± 0.014	TYC2	7301	7177
F016	HD 147584	F9 V	gray06	4.963 ± 0.009	5.561 ± 0.014	TYC2	6107	6051
F017	HD 141891	F1 V	gray06	2.851 ± 0.009	3.180 ± 0.014	TYC2	7109	7182
F018	HD 90839	F8 V	gray03	4.880 ± 0.009	5.441 ± 0.014	TYC2	6165	6175
F019	HD 82328	F5.5 IV-V	gray03	3.214 ± 0.009	3.721 ± 0.014	TYC2	6334	6371
F020	HD 9826	F8V	BSC5	4.152 ± 0.009	4.736 ± 0.014	TYC2		6097
F021	HD 222368	F7V	BSC5	4.176 ± 0.009	4.718 ± 0.014	TYC2		6242
F022	HD 22484	F8 V	houk	4.353 ± 0.009	4.973 ± 0.014	TYC2		5981
F023	HD 20010	F6 V	gray06	3.976 ± 0.009	4.510 ± 0.014	TYC2	6258	6271
F024	HD 17206	F6 V	gray06	4.521 ± 0.009	5.032 ± 0.014	TYC2	6378	6356
F025	HD 35296	F8 V	gray03	5.060 ± 0.009	5.630 ± 0.014	TYC2	6202	6144
F026	HD 126660	F7V	BSC5	4.100 ± 0.009	4.630 ± 0.014	TYC2		6285
F027	HD 197692	F5 V	gray06	4.172 ± 0.009	4.617 ± 0.014	TYC2	6633	6623
F028	HD 40136	F2 V	gray06	3.738 ± 0.009	4.096 ± 0.014	TYC2	7069	7031
F029	HD 176051	G0V	HIP	5.360 ± 0.010	5.970 ± 0.010	TDSC		6012
F030	HD 105452	F1 V	gray06	4.054 ± 0.009	4.391 ± 0.014	TYC2	7081	7140
F031	HD 84117	F8 V	gray06	4.984 ± 0.009	5.543 ± 0.014	TYC2	6205	6182
F032	HD 7570	F9 V Fe+0.4	gray06	5.023 ± 0.009	5.638 ± 0.014	TYC2	6069	5997
F033	HD 63077	F9 V	gray06	5.426 ± 0.009	6.024 ± 0.014	TYC2	6002	6051
F034	HD 153597	F6Vvar	HIP	4.937 ± 0.009	5.450 ± 0.014	TYC2		6349
F035	HD 182640	F2 IV	houk	3.390 ± 0.009	3.738 ± 0.014	TYC2		7082
F036	HD 120136	F7V	HIP	4.536 ± 0.009	5.064 ± 0.014	TYC2		6293
F037	HD 165908	F7V	BSC5	5.125 ± 0.009	5.672 ± 0.014	TYC2		6224
F038	HD 4813	F7 V	gray03	5.224 ± 0.009	5.778 ± 0.014	TYC2	6250	6199
F039	HD 128167	F3Vwvar	HIP	4.501 ± 0.009	4.881 ± 0.014	TYC2		6921
F040	GJ 332 A	F5 IV-V	gray03	4.026 ± 0.009	4.493 ± 0.014	TYC2	6538	6530
F041	HD 65907	F9.5 V	gray06	5.643 ± 0.009	6.252 ± 0.014	TYC2	6000	6016
F042	HD 90589	F3 V	gray06	4.020 ± 0.009	4.401 ± 0.014	TYC2	6885	6916
F043	HD 215648	F7V	HIP	4.251 ± 0.009	4.779 ± 0.014	TYC2		6293
F044	HD 48682	F9 V	gray03	5.310 ± 0.009	5.914 ± 0.014	TYC2	6087	6031
F045	HD 55575	F9 V	gray03	5.608 ± 0.009	6.233 ± 0.014	TYC2	5866	5965
F046	HD 17051	F9 V Fe+0.3	gray06	5.455 ± 0.009	6.070 ± 0.014	TYC2	6080	5997
F047	HD 177474	F8 V	gray06	4.530 ± 0.010	5.070 ± 0.010	TDSC	6202	6249
F048	HD 81997	F5 V	houk	4.640 ± 0.009	5.118 ± 0.014	TYC2		6486
F049	HD 156897	F2 V	gray06	4.431 ± 0.009	4.822 ± 0.014	TYC2	6704	6868
F050	HD 110897	F9 V Fe-0.3	gray03	6.018 ± 0.009	6.618 ± 0.014	TYC2	5907	6044
F051	HD 10647	F9 V	gray06	5.581 ± 0.009	6.164 ± 0.014	TYC2	6126	6100
F052	HD 139664	F4 V	gray06	4.681 ± 0.009	5.113 ± 0.014	TYC2	6649	6680
F053	HD 23754	F5 IV-V	gray06	4.266 ± 0.009	4.711 ± 0.014	TYC2	6631	6623
F054	HD 160915	F5 V	gray06	4.914 ± 0.009	5.399 ± 0.014	TYC2	6465	6457
F055	HD 114378	F5.5 V	gray03	4.850 ± 0.010	5.340 ± 0.010	TDSC	6399	6438
F056	HD 46588	F8 V	gray03	5.493 ± 0.009	6.050 ± 0.014	TYC2	6197	6189
F057	GJ 292 A	F5 V Fe-0.5	gray06	5.118 ± 0.009	5.568 ± 0.014	TYC2	6554	6602
F058	HD 58946	F1 V	gray03	4.198 ± 0.009	4.539 ± 0.014	TYC2	7035	7118
F059	HD 125276	F9 V Fe-1.5 CH-0.7	gray06	5.935 ± 0.009	6.454 ± 0.015	TYC2	6129	6326
F060	HD 114837	F6 V Fe-0.4	gray06	4.963 ± 0.009	5.455 ± 0.014	TYC2	6390	6430
F061	HD 69897	F6 V	gray03	5.179 ± 0.009	5.672 ± 0.014	TYC2	6297	6426
F062	HD 129502	F2 V	gray06	3.907 ± 0.009	4.323 ± 0.014	TYC2	6751	6751
F063	HD 109085	F2 V	gray06	4.338 ± 0.009	4.728 ± 0.014	TYC2	6784	6873
F064	HD 210302	F6 V	gray06	4.988 ± 0.009	5.491 ± 0.014	TYC2	6454	6387
F065	HD 185395	F3+ V	gray03	4.534 ± 0.009	4.942 ± 0.014	TYC2	6747	6788
F066	GJ 822 A	F7 V	gray03	4.544 ± 0.009	5.087 ± 0.014	TYC2	6238	6238
F067	GJ 271 A	F2 V kF0mF0	gray03	3.559 ± 0.009	3.921 ± 0.014	TYC2	6906	7010
F068	HD 5015	F8V	BSC5	4.848 ± 0.009	5.441 ± 0.014	TYC2		6067
F069	HD 693	F8 V Fe-0.8 CH-0.5	gray06	4.950 ± 0.009	5.455 ± 0.014	TYC2	6255	6379

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
F070	HD 82434	F3 V Fe-0.7	gray06	3.910 ± 0.010	4.250 ± 0.010	TDSC	6837	7124
F071	HD 25457	F7 V	gray03	5.437 ± 0.009	5.985 ± 0.014	TYC2	6308	6220
F072	HD 187691	F8V	BSC5	5.185 ± 0.009	5.776 ± 0.014	TYC2		6074
F073	HD 173667	F6V	BSC5	4.243 ± 0.009	4.734 ± 0.014	TYC2		6434
F074	HD 43386	F5 V	gray03	5.084 ± 0.009	5.534 ± 0.014	TYC2	6602	6602
F075	HD 119756	F2 V	gray06	4.272 ± 0.009	4.672 ± 0.014	TYC2	6781	6825
F076	HD 134083	F5 V	gray03	4.974 ± 0.009	5.432 ± 0.014	TYC2	6540	6568
F077	HD 71243	F5 V Fe-0.8	gray06	4.095 ± 0.009	4.524 ± 0.014	TYC2	6625	6693
F078	HD 105211	F2 V	gray06	4.177 ± 0.009	4.536 ± 0.014	TYC2	6950	7025
F079	GJ 818.1 A	F9.5 V	gray06	5.740 ± 0.009	6.370 ± 0.014	TYC2	6001	5950
F080	HD 68456	F6 V Fe-0.8 CH-0.4	gray06	4.792 ± 0.009	5.243 ± 0.014	TYC2	6467	6597
F081	HD 29875	F2 V	gray06	4.479 ± 0.009	4.830 ± 0.014	TYC2	6991	7066
F082	HD 58855	F6V	BSC5	5.409 ± 0.009	5.887 ± 0.014	TYC2		6486
F083	HD 202444	F2+ V	gray03	3.830 ± 0.010	4.230 ± 0.010	TDSC	6621	6825
F084	HD 78154	F7IV-V	HIP	4.869 ± 0.009	5.384 ± 0.014	TYC2		6341
F085	HD 27290	F1 V	gray06	4.285 ± 0.009	4.613 ± 0.014	TYC2	7060	7188
F086	HD 219623	F7V	BSC5	5.642 ± 0.009	6.226 ± 0.014	TYC2		6097
F087	HD 219482	F6 V	gray06	5.705 ± 0.009	6.248 ± 0.014	TYC2	6290	6238
F088	HD 154417	F9 V	gray03	6.057 ± 0.009	6.682 ± 0.014	TYC2	5985	5965
F089	HD 43042	F5.5 IV-V	gray03	5.245 ± 0.009	5.708 ± 0.014	TYC2	6576	6547
F090	HD 33564	F7 V	gray03	5.140 ± 0.009	5.659 ± 0.014	TYC2	6394	6326
F091	HD 25998	F8 V	gray03	5.572 ± 0.009	6.129 ± 0.014	TYC2	6252	6189
F092	HD 3196	F8.5 V	gray03	5.265 ± 0.009	5.862 ± 0.014	TYC2	6067	6054
F093	GJ 55.3 A	F5 V	gray06	4.997 ± 0.009	5.469 ± 0.014	TYC2	6505	6510
F094	HD 186858	K3+ V	gray03	8.475 ± 0.013	9.668 ± 0.022	TYC2		4707
F095	HD 189245	F8.5 V Fe-0.6 CH-0.5	gray06	5.704 ± 0.009	6.222 ± 0.014	TYC2	6333	6330
F096	HD 739	F5 V	gray06	5.289 ± 0.009	5.742 ± 0.014	TYC2	6548	6589
F097	HD 89449	F6 IV-V	gray03	4.834 ± 0.009	5.332 ± 0.014	TYC2	6476	6406
F098	HD 55892	F3 V Fe-1.0	gray06	4.518 ± 0.009	4.851 ± 0.014	TYC2	6907	7161
F099	HD 160032	F4 V	gray06	4.799 ± 0.009	5.227 ± 0.014	TYC2		6697
F100	HD 90089	F4 V kF2mF2	gray03	5.297 ± 0.009	5.692 ± 0.014	TYC2	6762	6849
F101	HD 22001	F3 V	gray06	4.750 ± 0.009	5.163 ± 0.014	TYC2	6629	6765
F102	HD 16673	F8 V Fe-0.4	gray06	5.849 ± 0.010	6.398 ± 0.015	TYC2	6253	6217
F103	HD 108954	F9 V	gray03	6.268 ± 0.009	6.878 ± 0.014	TYC2	6052	6012
F104	HD 91324	F9 V Fe-0.8 CH-0.7	gray06	4.946 ± 0.009	5.457 ± 0.014	TYC2	6287	6356
F105	HD 199260	F6 V	gray06	5.745 ± 0.010	6.273 ± 0.015	TYC2	6241	6293
F106	HD 206826	F6 V	gray03	4.745 ± 0.009	5.223 ± 0.014	TYC2	6309	6486
F107	CCDM 19598-0957 A	F9 V	gray03	5.941 ± 0.010	6.567 ± 0.015	TYC2	5947	5962
F108	HD 106516	F9 V Fe-1.7 CH-0.7	gray06	6.157 ± 0.010	6.637 ± 0.014	TYC2	6288	6477
F109	HD 68146	F6.5 V	gray06	5.582 ± 0.009	6.100 ± 0.014	TYC2	6370	6330
F110	HD 19994	F8.5 V	gray03	5.135 ± 0.009	5.750 ± 0.014	TYC2	6088	5997
F111	HD 213845	F5 V	gray06	5.254 ± 0.009	5.720 ± 0.014	TYC2	6597	6535
F112	HD 16765	F7 V	gray03	5.823 ± 0.010	6.344 ± 0.015	TYC2	6326	6319
F113	HD 89125	F6 V	gray03	5.871 ± 0.010	6.401 ± 0.015	TYC2	6193	6285
F114	HD 168151	F5V	BSC5	5.037 ± 0.009	5.487 ± 0.014	TYC2		6602
F115	HD 162003	F5IV-V	BSC5	4.600 ± 0.009	5.057 ± 0.014	TYC2		6572
F116	HD 167425	F9.5 V	gray06	6.247 ± 0.009	6.884 ± 0.014	TYC2	6046	5929
F117	HD 219571	F4 V	gray06	4.033 ± 0.009	4.459 ± 0.014	TYC2	6618	6706
F118	HD 160922	F5V	BSC5	4.821 ± 0.009	5.279 ± 0.014	TYC2		6568
F119	HD 11171	F2 III-IV	gray03	4.694 ± 0.009	5.054 ± 0.014	TYC2	7087	7020
F120	HD 101177	F9.5 V	gray03	6.534 ± 0.010	7.167 ± 0.015	TYC2	5932	5941
F121	HD 100180	F9.5 V	gray03	6.331 ± 0.011	6.960 ± 0.016	TYC2	6021	5953
F122	HD 7439	F5 V	gray03	5.188 ± 0.009	5.647 ± 0.014	TYC2	6465	6564
F123	HD 190422	F9 V CH-0.4	gray06	6.311 ± 0.010	6.879 ± 0.015	TYC2	6179	6151
F124	HD 4676	F8 V	gray03	5.120 ± 0.009	5.674 ± 0.014	TYC2	6254	6199
F125	HD 164259	F2 V	gray03	4.660 ± 0.009	5.052 ± 0.014	TYC2	6771	6863
F126	HD 214953	F9.5 V	gray06	6.059 ± 0.009	6.673 ± 0.014	TYC2	6104	6000
F127	HD 99028	F5 IV	gray03	4.056 ± 0.009	4.484 ± 0.014	TYC2	6600	6697
F128	HIP 46733	F0IV	BSC5	3.679 ± 0.009	4.046 ± 0.014	TYC2		6985
F129	HD 111456	F5V	BSC5	5.885 ± 0.009	6.389 ± 0.014	TYC2		6383
F130	GJ 105.4 A	F5 V	gray06	4.874 ± 0.009	5.332 ± 0.014	TYC2	6516	6568

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
A001	HD 48915	A0mA1 Va	gray03	-1.430 ±	-1.430 ±	bes90	9580	9646
A002	HD 187642	A7 Vn	gray03	0.955 ± 0.010	1.248 ± 0.012	TYC	7800	7383
A003	HD 172167	A0 Va	gray03	0.029 ±	0.017 ±	bes90	9519	9765
A004	HD 216956	A4 V	gray06	1.248 ± 0.007	1.407 ± 0.009	TYC	8399	8265
A005	HD 102647	A3 Va	gray03	2.143 ± 0.004	2.300 ± 0.003	TYC	8378	8280
A006	HD 60179	A1.5 IV+	gray03	1.944 ±	1.991 ±	CNS3		9194
A007	HD 76644	A7 V(n)	gray03	3.128 ± 0.009	3.358 ± 0.014	TYC2	7769	7769
A008	HD 159561	A5III	BSC5	2.106 ± 0.003	2.315 ± 0.003	TYC		7909
A009	HD 203280	A8 Vn	gray03	2.458 ± 0.009	2.725 ± 0.014	TYC2	7773	7537
A010	HD 128898	A7 Vp SrCrEu	gray06	3.189 ± 0.009	3.474 ± 0.014	TYC2	7631	7429
A011	HD 97603	A5 IV(n)	gray03	2.544 ± 0.009	2.710 ± 0.014	TYC2	8037	8213
A012	HD 11636	kA4hA5mA5 Va	gray03	2.651 ± 0.009	2.827 ± 0.014	TYC2	8300	8140
A013	HD 115892	kA1.5hA3mA3 Va	gray06	2.732 ± 0.009	2.814 ± 0.014	TYC2	10207	8883
A014	HD 39060	A6 V	gray06	3.870 ± 0.009	4.056 ± 0.014	TYC2	8052	8069
A015	HD 141795	kA2hA5mA7 V	gray03	3.714 ± 0.009	3.885 ± 0.014	TYC2		8176
A016	HD 38678	A2 IV-V(n)	gray06	3.541 ± 0.009	3.671 ± 0.014	TYC2	8337	8487
A017	HD 118098	A2 Van	gray03	3.380 ± 0.009	3.522 ± 0.014	TYC2	8633	8394
A018	HD 139006	A1 IV	gray03	2.217 ± 0.003	2.252 ± 0.002	TYC	9584	9306
A019	HD 156164	A1 IVn	gray03	3.115 ± 0.009	3.219 ± 0.014	TYC2	8879	8697
A020	HD 130841	kA2hA5mA4 IV-V	gray06	2.742 ± 0.009	2.930 ± 0.014	TYC2	8128	8054
A021	HD 2262	A5 IVn	gray06	3.953 ± 0.009	4.151 ± 0.014	TYC2	7922	7984
A022	HD 197157	A9 IV	gray06	4.530 ± 0.009	4.827 ± 0.014	TYC2	7448	7360
A023	HD 16970	A2 Vn	gray03	3.551 ± 0.009	3.644 ± 0.014	TYC2	8673	8789
A024	HD 95418	A1 IVps (Sr II)	gray03	2.349 ± 0.002	2.385 ± 0.002	TYC	9342	9297
A025	HD 74956	A1 Va(n)	gray06	1.949 ± 0.003	2.050 ± 0.002	TYC	9021	8722
A026	HD 106591	A2 Vn	gray03	3.298 ± 0.009	3.410 ± 0.014	TYC2	8613	8632
A027	HD 40183	A1 IV-Vp...	gray03	1.904 ± 0.005	1.989 ± 0.005	TYC	9024	8857
A028	CCDM 13240+5456 A	A1.5 Vas	gray03	2.227 ± 0.003	2.290 ± 0.002	TYC	9330	9050
A029	HD 99211	A7 V(n)	gray06	4.091 ± 0.009	4.302 ± 0.014	TYC2	7805	7895
A030	HD 177724	A0 IV-Vnn	gray03	2.958 ± 0.009	2.993 ± 0.014	TYC2	9190	9306
A031	HD 157792	kA5hA9mF1 III	gray06	4.189 ± 0.009	4.498 ± 0.014	TYC2	7440	7292
A032	HD 103287	A1 IV(n)	gray03	2.399 ± 0.009	2.456 ± 0.014	TYC2	9272	9104
A033	CCDM 02449+1007 A	A9 IIIp	gray03	4.305 ± 0.009	4.635 ± 0.014	TYC2	7225	7177
A034	HD 165777	A5 V	gray03	3.722 ± 0.009	3.881 ± 0.014	TYC2	8400	8265
A035	HD 108767	A0 IV(n) kB9	gray06	2.926 ± 0.009	2.918 ± 0.014	TYC2	10207	9727
A036	CCDM 19026-2953 A	A2.5 Va	gray06	2.599 ± 0.009	2.717 ± 0.014	TYC2	8799	8583
A037	HD 155125	A2 IV-V	gray06	3.050 ± 0.010	3.180 ± 0.010	TDSC	8788	8487
A038	HD 18978	A3 IV-V	gray06	4.092 ± 0.009	4.278 ± 0.014	TYC2	8045	8069
A039	HD 180777	A9V	BSC5	5.144 ± 0.009	5.462 ± 0.014	TYC2		7242
A040	HD 33111	A3 IV	gray03	2.779 ± 0.009	2.949 ± 0.014	TYC2	8377	8184
A041	HD 210418	A1 Va	gray06	3.519 ± 0.009	3.612 ± 0.014	TYC2	8569	8789
A042	HD 87696	A7 V(n)	gray03	4.498 ± 0.009	4.707 ± 0.014	TYC2	7839	7909
A043	HD 172555	A7 V	gray06	4.793 ± 0.009	5.015 ± 0.014	TYC2	7846	7822
A044	HD 70060	A8 V	gray06	4.460 ± 0.009	4.700 ± 0.014	TYC2	7790	7705
A045	HD 78209	Am	HIP	4.479 ± 0.009	4.795 ± 0.014	TYC2		7253
A046	HD 173880	A5III	BSC5	4.356 ± 0.009	4.501 ± 0.014	TYC2		8371
A047	HD 27045	A3m	BSC5	4.947 ± 0.009	5.227 ± 0.014	TYC2		7459
A048	HD 125161	A9V	BSC5	4.763 ± 0.009	5.002 ± 0.014	TYC2		7711
A049	HD 50241	A8 Vn kA6	gray06	3.262 ± 0.009	3.507 ± 0.014	TYC2	7536	7673
A050	HD 209790	Am	HIP	4.446 ± 0.009	4.813 ± 0.014	TYC2		6985
A051	HD 202730	A5 V(n)	gray06	4.504 ± 0.009	4.683 ± 0.014	TYC2	8114	8118
A052	HD 159560	Am	HIP	4.870 ± 0.009	5.185 ± 0.014	TYC2		7259
A053	HD 125162	A3 Va λ Boo...	gray03	4.181 ± 0.009	4.274 ± 0.014	TYC2	8512	8789
A054	HD 8538	A5Vv SB	HIP	2.663 ± 0.009	2.842 ± 0.014	TYC2		8118
A055	HD 135379	A3 Va	gray06	4.071 ± 0.009	4.184 ± 0.014	TYC2	8641	8623
A056	HD 56537	A3V...	HIP	3.575 ± 0.009	3.709 ± 0.014	TYC2		8456
A057	HD 88955	A2 Va	gray06	3.836 ± 0.009	3.907 ± 0.014	TYC2	8829	8979
A058	HD 213558	A1V	BSC5	3.758 ± 0.009	3.784 ± 0.014	TYC2		9392
A059	HD 161868	A1 Vn kA0mA0	gray03	3.737 ± 0.009	3.789 ± 0.014	TYC2	8951	9149
A060	HD 47105	A1.5 IV+	gray03	1.950 ±	1.950 ±	BSC5	8953	9646
A061	HD 188228	A0 Va	gray06	3.938 ± 0.009	3.928 ± 0.014	TYC2	9896	9747
A062	HD 83446	A7 V	gray06	4.358 ± 0.009	4.552 ± 0.014	TYC2	7977	8012

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{eff,G}$ (K)	$T_{eff,T}$ (K)
A063	HD 222603	A7 V	gray03	4.514 ± 0.009	4.741 ± 0.014	TYC2	7742	7789
A064	HD 20320	kA4hA9mA9 V	gray06	4.821 ± 0.009	5.067 ± 0.014	TYC2	7680	7667
A065	CCDM 15278+2906 A	A8 V: SrCrEu	gray03	3.672 ± 0.009	3.990 ± 0.014	TYC2	7624	7242
A066	HD 104513	A7m	HIP	5.241 ± 0.009	5.534 ± 0.014	TYC2		7383
A067	HD 14055	A1Vnn	BSC5	3.999 ± 0.009	4.025 ± 0.014	TYC2		9392
A068	HD 91312	A7IV	BSC5	4.742 ± 0.009	4.970 ± 0.014	TYC2		7782
A069	HD 112413	A0 II-IIIp SiEuCr	gray03	2.845 ± 0.009	2.788 ± 0.014	TYC2		10247
A070	HD 12111	A3IV	BSC5	4.647 ± 0.009	4.787 ± 0.014	TYC2		8409
A071	HD 109536	A7 V	gray06	5.143 ± 0.009	5.394 ± 0.014	TYC2	7646	7635
A072	HD 31295	A3 Va λ Boo...	gray03	4.659 ± 0.009	4.749 ± 0.014	TYC2	8611	8815
A073	HD 16754	A1 Vb	gray06	4.736 ± 0.009	4.821 ± 0.014	TYC2	9132	8857
A074	HD 79439	A5V	BSC5	4.830 ± 0.009	5.042 ± 0.014	TYC2		7889
A075	HD 25490	A0.5 Va	gray06	3.888 ± 0.009	3.939 ± 0.014	TYC2	9017	9158
A076	HD 110411	A3 Va λ Boo...	gray03	4.877 ± 0.009	4.958 ± 0.014	TYC2	8671	8892
A077	HD 17093	A7III-IV	BSC5	5.205 ± 0.009	5.444 ± 0.014	TYC2		7711
A078	HD 184006	A5Vn	BSC5	3.775 ± 0.009	3.939 ± 0.014	TYC2		8228
A079	HD 102124	A4V	BSC5	4.864 ± 0.009	5.045 ± 0.014	TYC2		8104
A080	HD 177196	A7V	BSC5	5.030 ± 0.009	5.235 ± 0.014	TYC2		7936
A081	HD 44769	A8 V(n)	gray03	4.423 ± 0.009	4.629 ± 0.014	TYC2	7732	7929
A082	HD 71155	A0 Va	gray03	3.876 ± 0.009	3.868 ± 0.014	TYC2	9556	9727
A083	HD 80081	A1V	HIP	3.916 ± 0.009	3.963 ± 0.014	TYC2		9195
A084	HD 78045	kA3hA5mA5 V	gray06	4.011 ± 0.009	4.185 ± 0.014	TYC2	8198	8155
A085	HD 178253	A2 Va	gray06	4.095 ± 0.009	4.167 ± 0.014	TYC2	8950	8970
A086	HD 13161	A5 IV	gray03	3.017 ± 0.009	3.196 ± 0.014	TYC2	8186	8118
A087	HD 95608	A1m	BSC5	4.405 ± 0.009	4.472 ± 0.014	TYC2		9014
A088	HD 102249	A7 V	gray06	3.638 ± 0.009	3.825 ± 0.014	TYC2	7943	8061
A089	HD 215789	A2 IVn SB2	gray06	3.479 ± 0.009	3.586 ± 0.014	TYC2	8137	8673
A090	HD 5448	A5V	BSC5	3.868 ± 0.009	4.026 ± 0.014	TYC2		8272
A091	HD 137898	A7 IV	houk	5.178 ± 0.009	5.430 ± 0.014	TYC2		7629
A092	HD 165040	A7P SR	houk	4.359 ± 0.009	4.625 ± 0.014	TYC2		7543
A093	HD 110304	A1 IV+	gray06	2.817 ± 0.009	2.844 ± 0.014	TYC2	9082	9382
A094	HD 49434	A8/9 IV	houk	5.767 ± 0.009	6.076 ± 0.014	TYC2		7292
A095	HD 109787	A2 V	houk	3.848 ± 0.009	3.913 ± 0.014	TYC2		9032
A096	HD 154494	A4IV	BSC5	4.889 ± 0.009	5.039 ± 0.014	TYC2		8333
A097	CCDM 16278-0822 A	A1 IV	houk	4.653 ± 0.009	4.854 ± 0.014	TYC2		7964
A098	HD 85376	A5IV	BSC5	5.319 ± 0.009	5.575 ± 0.014	TYC2		7604
A099	HD 6961	A7Vvar	HIP	4.343 ± 0.009	4.536 ± 0.014	TYC2		8019
A100	HD 198639	A4me...	HIP	5.074 ± 0.009	5.290 ± 0.014	TYC2		7862
A101	HD 130109	Ap (A0 IVnn SiII)	houk	3.716 ± 0.009	3.720 ± 0.014	TYC2		9606
A102	HD 146624	A0 (V)	houk	4.785 ± 0.009	4.815 ± 0.014	TYC2		9354
A103	HD 1404	A2V	BSC5	4.512 ± 0.009	4.590 ± 0.014	TYC2		8918
A104	HD 90132	A8 V	houk	5.359 ± 0.009	5.617 ± 0.014	TYC2		7592
A105	HD 19107	A4 IV/V	houk	5.281 ± 0.009	5.485 ± 0.014	TYC2		7943
A106	HD 210049	A1.5 IVn	gray06	4.502 ± 0.009	4.572 ± 0.014	TYC2	8907	8988
A107	HD 165189	A5 V	houk	5.652 ± 0.009	5.893 ± 0.014	TYC2		7699
A108	HD 46304	A7 II/III	houk	5.630 ± 0.009	5.902 ± 0.014	TYC2		7507
A109	HD 223352	A0 V	houk	4.572 ± 0.009	4.578 ± 0.014	TYC2		9586
A110	HD 89021	A2IV	BSC5	3.428 ± 0.009	3.476 ± 0.014	TYC2		9186
A111	HD 123998	A2MA7-F2	houk	4.920 ± 0.009	5.184 ± 0.014	TYC2		7555
A112	HD 15089	A5p Sr	HIP	4.627 ± 0.009	4.732 ± 0.014	TYC2		8689
A113	HD 23281	A6 V	houk	5.624 ± 0.010	5.846 ± 0.014	TYC2		7822
A114	HD 28527	A6IV	BSC5	4.785 ± 0.009	4.982 ± 0.014	TYC2		7991
A115	HD 37594	A9 V	houk	6.010 ± 0.009	6.321 ± 0.014	TYC2		7281
A116	HD 192640	A2V	BSC5	4.962 ± 0.009	5.121 ± 0.014	TYC2		8265
A117	HD 197950	A8V	BSC5	5.611 ± 0.009	5.841 ± 0.014	TYC2		7769
A118	HD 15008	A1/2 V	houk	4.075 ± 0.009	4.128 ± 0.014	TYC2		9140
A119	HD 212728	A3/5 V	houk	5.589 ± 0.009	5.804 ± 0.014	TYC2		7869
A120	HD 186219	A3MA3-A8	houk	5.422 ± 0.009	5.682 ± 0.014	TYC2		7579
A121	HD 222345	A7 IV	houk	5.008 ± 0.009	5.276 ± 0.014	TYC2		7531
A122	HD 48097	A2V	BSC5	5.225 ± 0.009	5.299 ± 0.014	TYC2		8953
A123	HD 213398	A1 V	houk	4.280 ± 0.009	4.312 ± 0.014	TYC2		9335
A124	CCDM 16035-5747 A	A5 IVS	houk	4.697 ± 0.009	4.938 ± 0.014	TYC2		7699

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Table 5. A-K primary spectral types, Tycho photometry and effective temperatures (continued)

UNS ID	Primary name	SpT	Ref.	V_T (mag)	B_T (mag)	Ref.	$T_{\rm eff,G}$ (K)	$T_{\rm eff,T}$ (K)
A125	HD 159492	A5 IV/V	houk	5.267 ± 0.009	5.478 ± 0.014	TYC2		7895
A126	HD 37507	A2 V	houk	4.790 ± 0.009	4.947 ± 0.014	TYC2		8280
A127	HD 140436	A1Vs	HIP	4.040 ± 0.010	4.010 ± 0.010	TDSC		9955
A128	HD 141296	A9 III	houk	6.152 ± 0.010	6.457 ± 0.015	TYC2		7314
A129	HD 28546	Am	HIP	5.482 ± 0.009	5.762 ± 0.014	TYC2		7459
A130	HD 16555	A6 V	houk	5.328 ± 0.009	5.629 ± 0.014	TYC2		7337

Table 6. M-type primary spectral types, effective temperatures and Johnson B, V photometry: spectral type and reference, $T_{\rm eff}$ determined from spectral type, Johnson V magnitude and references, Johnson $(B-V)$ colour and references. Where multiple references are given for the photometry, the value given here is the mean of the refereneced values.

UNS ID	name	SpT	SpT ref	$T_{\rm eff}$(SpT) (K)	V_J (mag)	V_J ref	$(B-V)_J$ (mag)	$(B-V)_J$ ref
M001	HIP 87937	M4	haw95	3100	9.55	wei96,bes90	1.75	wei96,bes90
M002	GJ 406	M5.5	haw95	2700	13.48	wei96,bes90	2.00	wei96,bes90
M003	HD 95735	M2	haw95	3400	7.50	egg74	1.51	egg74
M004	GJ 65 A	M5.5	haw95	2700	12.57	CNS3	1.85	CNS3
M005	HIP 92403	M3.5	haw95	3175	10.43	wei96,bes90	1.75	wei96,bes90
M006	GJ 905	M5	haw95	2800	12.29	wei96	1.91	wei96
M007	HD 217987	M0.5	haw96	3700	7.37	egg74	1.48	egg74
M008	HIP 57548	M4	haw95	3100	11.14	wei96,bes90	1.76	wei96,bes90
M009	GJ 866 AB	M5.5	haw95	2700	12.34	wei96,bes90	1.98	wei96,bes90
M010	HD 173739	M3	haw95	3250	8.90	wei96	1.52	wei96
M011	HD 1326	M1	haw95	3600	8.09	egg74	1.56	egg74
M012	GJ 1111	M6	haw95	2600	14.84	wei96,bes90	2.05	bes90
M013	LHS 1565	M5.5	haw96	2700	13.03	rod74	1.90	rod74
M014	HIP 5643	M4.5	haw95	2950	12.06	wei96,bes90	1.81	wei96,bes90
M015	HIP 36208	M3.5	haw95	3175	9.86	wei96,bes90	1.57	wei96,bes90
M016	SO 0253+1652	M6.0 V	hen06	2600	15.14	hen06		
M017	HD 33793	M1.0	haw96	3600	8.85	bes90	1.56	bes90
M018	HD 239960	M3	haw95	3250	9.57	wei96	1.66	wei96
M019	GJ 234 A	M4.5	haw95	2950	11.11	wei96,bes90	1.71	wei96,bes90
M020	HIP 80824	M3.5	haw95	3175	10.08	wei96,bes90	1.58	wei96,bes90
M021	HD 225213	M1.5	haw96	3500	8.53	bes90	1.47	bes90
M022	GJ 473 A	M5	haw95	2800	12.45	wei96,bes90	1.85	wei96,bes90
M023	GJ 83.1	M4.5	haw95	2950	12.29	wei96,bes90	1.82	wei96,bes90
M024	HIP 86162	M3	haw95	3250	9.17	wei96	1.47	wei96
M025	GJ 3622	M6.5	haw95	2550	15.60	wei96	2.10	YPC
M026	HIP 85523	M2.5	haw96	3325	9.37	bes90	1.53	bes90
M027	GJ 1245 A	M5.5	haw95	2700	13.41	wei96	1.90	YPC
M028	HIP 113020	M4	haw95	3100	10.18	wei96,bes90	1.59	wei96,bes90
M029	GJ 1002	M5.5	haw95	2700	13.76	wei96	1.97	wei96
M030	GJ 3618	M5.0 V	hen06	2800	13.90	hen06	1.82	CNS3
M031	HIP 54211	M0.5	haw95	3700	8.77	wei96	1.57	wei96
M032	GJ 388	M3	haw95	3250	9.32	leg92	1.53	leg92
M033	HD 204961	M1.5	haw96	3500	8.66	bes90	1.49	bes90
M034	HIP 86214	M3.5	haw96	3175	10.95	bes90	1.65	bes90
M035	HIP 112460	M3.5	haw95	3175	10.22	wei96	1.61	wei96
M036	GJ 1116 B	M5.5	haw95	2700	14.06	CNS3	1.84	CNS3
M037	GJ 3379	M4	haw95	3100	11.33	YPC	1.68	YPC
M038	GJ 3323	M4	haw95	3100	12.15	wei96	1.80	wei96
M039	HIP 57544	M3.5	haw95	3175	10.79	wei96	1.58	wei96
M040	HD 119850	M1.5	haw95	3500	8.46	wei96	1.44	wei96
M041	GJ 169.1 A	M4	haw95	3100	11.04	wei96	1.64	leg92
M042	HD 265866	M3	haw95	3250	10.02	wei96	1.57	wei96
M043	HD 36395	M1.5	haw95	3500	7.95	bes90	1.47	bes90
M044	HIP 103039	M4 V	gray06	3100	11.41	HIC	1.65	HIC
M045	HD 42581	M0.5	haw95	3700	8.14	bes90	1.50	bes90
M046	HIP 86990	M2.0	haw96	3400	10.76	bes90	1.67	bes90

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Table 6. M-type primary spectral types, effective temperatures and Johnson B, V photometry (continued)

UNS ID	name	SpT	SpT ref	$T_{\rm eff}$(SpT) (K)	$V_{\rm J}$ (mag)	$V_{\rm J}$ ref	$(B-V)_{\rm J}$ (mag)	$(B-V)_{\rm J}$ ref
M047	HD 180617	M2.5	haw95	3325	9.11	wei96,bes90	1.50	wei96,bes90
M048	HIP 26857	M4	haw95	3100	11.54	wei96,bes90	1.62	wei96,bes90
M049	LHS 60	M4.5	haw96	2950	12.23	rod74	1.70	rod74
M050	HIP 76074	M2.5	haw96	3325	9.31	bes90	1.53	bes90
M051	CCDM 00155-1608 A	M4	haw95	3100	12.03	CNS3	1.72	CNS3
M052	HIP 117473	M1	haw95	3600	8.99	wei96	1.47	wei96
M053	HIP 37766	M4.5	haw95	2950	11.19	wei96,bes90	1.60	wei96,bes90
M054	HIP 34603	M4.5	haw95	2950	11.48	wei96	1.72	wei96
M055	HIP 71253	M4	haw95	3100	11.32	wei96,bes90	1.62	wei96,bes90
M056	HIP 74995	M3	haw95	3250	10.57	wei96,bes90	1.61	wei96,bes90
M057	GJ 896 A	M3.5	haw95	3175	10.13	wei96	1.61	wei96
M058	LHS 2090	M6.0 V	hen06	2600	16.10	hen06		
M059	GJ 3737	M4.5	haw96	2950	12.74	egg79	1.69	egg79
M060	GJ 661 A	M3.5	haw95	3175	9.37	wei96	1.46	wei96
M061	GJ 3959	M5	haw95	2800	14.76	wei87		
M062	GJ 644 A	M3	haw95	3250	9.02	wei96,bes90	1.57	wei96,bes90
M063	HIP 80459	M1.5	haw95	3500	10.10	leg92	1.60	leg92
M064	LHS 271	M4.5	haw96	2950	12.78	rod74	1.73	rod74
M065	GJ 1156	M5	haw95	2800	13.80	wei96	1.88	egg79
M066	GJ 3877	M7c	haw95	2500	17.05	bes91		
M067	HIP 53767	M2.5	haw95	3325	10.02	leg92	1.54	leg92
M068	HIP 106106	M3.5	haw95	3175	10.31	leg92	1.61	leg92
M069	GJ 3522	M3.5	haw95	3175	10.90	wei91	1.67	wei91
M070	HIP 53020	M4	haw95	3100	11.66	wei96,bes90	1.66	wei96,bes90
M071	HD 216899	M1.5	haw95	3500	8.65	wei96,bes90	1.50	wei96,bes90
M072	GJ 299	M4.5	haw95	2950	12.82	wei96	1.75	wei96
M073	GJ 3193 B	M3	haw95	3250	11.22	hen06	1.69	CNS3
M074	LHS 22	M4.5	haw96	2950	13.58	rod74	1.93	rod74
M075	HD 199305	M0.5	haw95	3700	8.56	wei96	1.51	wei96
M076	HIP 51317	M2	haw95	3400	9.64	bes90	1.52	bes90
M077	GJ 4063	M3.5	haw95	3175	11.42	wei91		
M078	GJ 1286	M5.5	haw95	2700	14.67	wei96	1.96	YPC
M079	GJ 4053	M4.5	haw95	2950	13.49	wei96	1.83	YPC
M080	NLTT 54872	M4.0 V	RECXX	3100	12.59	RECXX		
M081	GJ 4274	M4.5	haw95	2950	13.26	wei96	1.84	YPC
M082	GJ 4248	M3.5	haw96	3175	11.80	egg80	1.65	egg80
M083	HIP 83945	M3.5	haw95	3175	11.77	HIC	1.70	HIC
M084	GJ 1224	M4.5	haw95	2950	13.61	wei96	1.80	YPC
M085	GJ 3378	M3.5	haw95	3175	11.71	wei96	1.60	wei96
M086	HIP 12781	M3	haw95	3250	10.57	wei96	1.56	wei96
M087	HIP 65859	M0.5	haw95	3700	9.06	wei96,bes90	1.51	wei96,bes90
M088	GJ 3207	M3.5	haw96	3175	11.51	egg80	1.51	egg80
M089	GJ 2005	M5.5	haw95	2700	15.35	lei00	1.82	lei00
M090	GJ 1093	M5	haw95	2800	14.52	leg92	1.92	leg92
M091	HD 165222	M1	haw95	3600	9.38	wei96,bes90	1.52	wei96,bes90
M092	HIP 61874	M3.0	haw96	3250	12.24	bes90	1.73	bes90
M093	HIP 5496	M2.0	haw96	3400	9.81	bes90	1.54	bes90
M094	GJ 831 A	M4.5	haw95	2950	12.01	wei96,bes90	1.68	wei96,bes90
M095	HIP 49986	M1.5	haw95	3500	9.29	bes90	1.51	bes90
M096	LHS 1989	M4	haw95	3100	12.16	bes90	1.64	bes90
M097	HIP 101180	M2.5	haw95	3325	10.56	wei96	1.58	wei96
M098	HIP 80346	M2.5	haw95	3325	10.28	wei96	1.50	wei96
M099	GJ 257 A	M3.0	haw96	3250	10.76	leg92	1.70	leg92
M100	HIP 86287	M1	haw95	3600	9.61	wei96	1.54	wei96
M101	GJ 1289	M4	haw95	3100	12.57	wei96	1.68	wei96
M102	SCR 0740-4257	M4.5:	M_V	2950	13.81	RECXX		
M103	GJ 493.1	M4.5	haw95	2950	13.41	bes90	1.77	bes90
M104	GJ 747 A	M3	haw95	3250	11.26	wei96	1.71	wei96
M105	SCR 1138-7721	M5.0 V	RECXX	2800	14.78	RECXX		
M106	GJ 1151	M4.5	haw95	2950	13.24	wei96	1.85	egg79
M107	GJ 1227	M4.5	haw95	2950	13.44	wei96,bes90	1.71	bes90
M108	HIP 4856	M3	haw95	3250	9.98	wei96	1.43	wei96

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Table 6. M-type primary spectral types, effective temperatures and Johnson B, V photometry (continued)

UNS ID	name	SpT	SpT ref	$T_{\rm eff}$(SpT) (K)	$V_{\rm J}$ (mag)	$V_{\rm J}$ ref	$(B-V)_{\rm J}$ (mag)	$(B-V)_{\rm J}$ ref
M109	HIP 38956	M3.5	haw95	3175	11.98	wei96	1.63	wei96
M110	GJ 1230 B	M5	haw95	2800	12.21	YPC	1.69	YPC
M111	GJ 618 A	M2.0	haw96	3400	10.60	bes90	1.57	bes90
M112	HIP 62452	M3.5	haw95	3175	11.39	bes90	1.57	bes90
M113	GJ 232	M4.5	haw95	2950	13.06	wei96	1.76	YPC
M114	GJ 1154 AB	M5	haw95	2800	13.73	wei96	1.77	CNS3
M115	GJ 3146	M5.5	haw95	2700	15.79	YPC	1.98	YPC
M116	GJ 1057	M5	haw95	2800	13.86	wei96	1.81	wei96
M117	GJ 3454	M5	haw95	2800	14.00	hen06		

Table 7. Component cross identifications with common catalogues: system ID, CCDM ID and component, Henry Draper (HD/HDE) ID, Gleise & Jahreiss (CNS3) ID, Luyten Half Second ID, New Luyten Two Tenths ID (record number in original NLTT), Harvard Revised (BSC5) ID, Positions and Proper Motions ID, Hipparcos ID, Tycho ID, Tycho Double Star Catalogue ID and component, Bonner Durchmusterung ID, Cordoba Durchmusterung ID, Cape Photographic Durchmusterung ID, Yale Parallax Catalogue (PLX) ID, 2MASS Point Source Catalogue ID (these are determined by simple cone search and may not be reliable in some cases).

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
M001			699	57	45718			87937	425-2502-1		+04 3561a			4098.00	17574849+0441405
M002			406	36										2553.00	10562886+0700527
M003	11033+3558 A	95735	411	37	26105		75640	54035	2521-2279-1		+36 2147			2576.00	11032027+3558203
M004			65 A	9	5504									343.10	01390120-1757026
M004			65 B	10	5505									343.10	01390120-1757026
M005			729	3414	47045		734465	92403	6859-1332-1			-23 14742		4338.00	18494929-2350101
M006			905	549	57692									5736.00	23415498+4410407
M007		217987	887	70	55782		400306	114046	7512-1263-1			-36 15693	-36 9694	5584.00	23055131-3551130
M008			447	315	28570			57548	272-1051-1					2730.00	11474440+0048164
M009			866 AB	68	54407									5475.00	22383372-1517573
M010	18428+5937 A	173739	725 A	58	46947		36785	91768	3930-1791-1	48381 A	+59 1915			4330.00	18424666+5937499
M010	18428+5937 B	173740	725 B	59	46948		36786	91772	3930-1791-2	48381 B	+59 1915s			4330.00	18424688+5937374
M011	00184+4401 A	1326	15 A	3	919		42798	1475	2794-157-1	774 A	+43 44			49.00	00182256+4401222
M011	00184+4401 B		15 B	4	923									49.00	00182549+4401376
M012			1111	248	19635									2016.01	08294949+2646348
M013			1061	1565											03355969-4430453
M014			54.1	138	4016			5643	5851-171-1					248.01	01123052-1659570
M015			273	33	17881			36208	173-3208-1		+05 1668			1755.00	07272450+0513329
M016															02530084+1652532
M017		33793	191	29	14668			24186	8078-1749-1			-45 1841	-44 612	1181.00	05114046-4501051
M018	22281+5741 A	239960	860 A	3814	53952		40695	110893	3991-92-1	61468 A	+56 2783			5438.00	22275958+5741453
M018	22281+5741 B		860 B	3815				110893	3991-92-2	61468 B				5438.00	22275958+5741453
M019	06294-0249 A		234 A	1849	16580			30920	4789-3303-1	15215 A				1509.00	06292339-0248499
M019	06294-0249 B		234 B	1850	16581			30920	4789-3303-1	15215 A				1509.00	06292339-0248499
M020			628	419	42927			80824	5635-1241-1		-12 4523			3746.00	16301808-1239434
M021		225213	1	1	134			439	6995-1264-1			-37 15492	-37 9435	5817.00	00052423-3721257
M022			473 A	333										2890.00	12331738+0901157
M022			473 B											2890.00	12331738+0901157
M023			83.1	11	6690									412.02	02001278+1303112
M024	17366+6822 B		687	450	45190		20469	86162	4428-1943-1	44802 B	+68 946			4029.00	17362594+6820220
M025			3622	292	25392									2516.02	10481258-1120082
M026			674	449	44819		762755	85523	8346-37-1			-46 11540	-46 8664	3958.00	17283991-4653424
M027			1245 A	3494	48414									4706.01	19535443+4424541
M027			1245 B	3495	48415									4706.01	19535508+4424550
M028			876	530	55130			113020	5819-1255-1		-15 6290			5546.00	22531672-1415489
M029			1002	2	248									9.01	00064325-0732147
M030			3618	288										2511.01	10442131-6112384
M031	11055+4332 A		412 A	38	26245		52239	54211	3012-2528-1	30729 A	+44 2051			2582.00	11052903+4331357
M031	11055+4332 B		412 B	39	26247									2582.00	11053133+4331170
M032	10199+1951 C		388	5167	24015		127309		1423-174-1	28792 C	+20 2465			2420.00	10193634+1952122
M033		204961	832	3685	51502		327332	106440	8431-60-1			-49 13515	-49 11439	5190.00	21333397-4900323
M034			682	451	45107			86214	7896-3808-1			-44 11909		3992.00	17370367-4419088
M035	22468+4420 A		873	3853	54837		63398	112460	3226-2288-1	62311 A	+43 4305			5520.00	22464980+4420030
M036			1116 A	2076	20638									2144.03	08581519+1945470
M036			1116 B	2077	20637									2144.03	08581519+1945470
M037			3379		15908				134-605-1					1383.02	06000351+0242236
M038			3323	1723	14393										05015746-0656459
M039			445	2459	28539			57544	4553-192-1					2722.00	11474143+7841283
M040		119850	526	47	35133		130055	67155	899-789-1		+15 2620			3135.00	13454354+1453317
M041	04312+5858 A		169.1 A	26	13373			21088	3744-412-1	9541 A				986.01	04311147+5858375
M041	04312+5858 B		169.1 B	27	13375			21088	3744-2062-1	9541 B				986.01	
M042		265866	251	1879	17147			33226	2441-572-1					1609.00	06544902+3316058
M043	05314-0341 A	36395	205	30	15215		188143	25878	4770-574-1	12014 A	-03 1123			1255.00	05312734-0340356
M044					50038			103039	6348-400-1						20523304-1658289

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
M045		42581	229	1827	16172		249953	29295	5945-765-1		-21 1377		-21 1138	1430.00	06103462-2151521
M046			693	454	45375			86990	8737-2175-1					4040.00	17463427-5719081
M047	19169+0510 A	180617	752 A	473	47619		167538	94761	472-1252-1	50376 A	+04 4048			4494.00	19165526+0510086
M047	19169+0510 B		752 B	474	47621									4494.00	19165762+0509021
M048			213	31	15489			26857	722-455-1					1305.00	05420897+1229252
M049			754	60										4505.00	19204795-4533283
M050			588	397	40449			76074	7844-1976-1			-40 9712	-40 7021	3501.00	15321302-4116314
M051	00155-1608 A		1005 AB	1047	763			1242	5839-1083-1	650 A				40.01	00152799-1608008
M051	00155-1608 B		1005 AB	1047	763			1242	5839-1083-1	650 A				40.01	00152799-1608008
M052			908	550	58069		174453	117473	586-610-1		+01 4774			5763.00	23491255+0224037
M053			285	1943	18373			37766	183-2190-1					1827.00	07444018+0333089
M054			268	226	17470			34603	2944-1956-1					1668.00	07100180+3831457
M055			555	2945	37751			71253	5572-804-1		-11 3759			3296.00	14341683-1231106
M056			581	394	39886			74995	5594-1093-1		-07 4003			3458.00	15192689-0743200
M057	23319+1956 A		896 A	3965	57135			116132	1723-23-1	64112 A	+19 5116			5694.00	23315208+1956142
M057	23319+1956 B		896 B	3966	57136			116132	1723-23-2	64112 B				5694.00	23315244+1956138
M058				2090	20726										09002359+2150054
M059			3737	337											12384914-3822527
M060	17121+4540 A	155876	661 A	433	44362		56005	84140	3501-1952-1	43695 AB	+45 2505			3907.00	17120780+4539587
M060	17121+4540 B	155876	661 B	434	44363		56005	84140	3501-1952-1	43695 AB	+45 2505			3907.00	17120780+4539587
M061			3959												16311879+4051516
M062	16555-0820 A	152751	644 A	428	43800		200168	82817	5642-1503-1	43039 AB	-08 4352			3845.00	16552880-0820103
M062	16555-0820 B	152751	644 B	428	43800		200168	82817	5642-1503-1	43039 AB	-08 4352			3845.00	16552880-0820103
M062	16555-0820 C		643	427	43797			82809	5642-1583-1	43039 C				3844.00	16552527-0819207
M062	16555-0820 D		644 C	429	43802									3845.00	16553529-0823401
M063			625		42804			80459	3878-1193-1					3740.03	16252459+5418148
M064			1128	271											09424635-6853060
M065			1156	324										2835.01	12185939+1107338
M066			3877	3003	38829									3372.03	14563831-2809473
M067			408	6193	25946			53767	1978-1286-1					2561.00	11000432+2249592
M068			829	508	51370			106106	1668-637-1					5177.00	21293671+1738353
M069			3522	6158											08585633+0828259
M070			402	294	25500			53020	261-224-1					2524.00	10505201+0648292
M071		216899	880	533	55339		142008	113296	1711-2453-1		+15 4733			5563.00	22563497+1633130
M072			299	35										1942.00	08115757+0846220
M073	03019-1635 A		3193 B		9672		710203	14101	5865-694-1	6616 A	-17 588				03015142-1635356
M073	03019-1635 B		3192 A		9671			14101							03015107-1635306
M073	03019-1635 C		3192 A					14101							03015142-1635356
M074			1068	22											04102815-5336078
M075	20532+6210 A	199305	809	3595	50124		22451	103096	4251-655-1	56840 A	+61 2068			5012.00	20531977+6209156
M076			393	2272	24467		156874	51317	246-1068-1		+01 2447			2456.00	10285555+0050275
M077			4063		46690				3109-1699-1						18343664+4007266
M078			1286	546										5703.11	23351050-0223214
M079			4053	3376										4228.11	18185725+6611332
M080					54872										22480446-2422075
M081			4274	3799	53683									5413.01	22230696-1736250
M082			4248	3746											22022935-3704512
M083			3991		44290			83945	3084-558-1					3899.01	17093153+4340531
M084			1224	3359	45963									4142.01	18073292-1557464
M085			3378	1805										1373.01	06011106+5935508
M086			109	1439	8817			12781	1772-986-1					555.00	02441537+2531249
M087			514	352	34287		129864	65859	895-317-1		+11 2576			3079.00	13295979+1022376
M088			3207	1513											03113519-3847233
M089			2005	1070	1292									66.01	00244419-2708242
M090			1093	223	17247									1635.01	06592868+1920577
M091		165222	701	3356	45883		201375	88574	5100-282-1		-03 4233			4133.00	18050755-0301523
M092			480.1	340	31495			61874	7783-576-1					2919.00	12404633-4333595
M093			54	1208	3945		775222	5496	8855-238-1			-68 47	-68 41	246.00	01102281-6726425

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
M094	21313-0947 A		831 A	511	51428			106255	5790-1233-1					5184.00	21311859-0947263
M094	21313-0947 B		831 B					106255	5790-1233-1					5184.00	21311859-0947263
M095			382		23680		193190	49986	4907-704-1		-03 2870			2395.11	10121768-0344441
M096			300	1989	19136									1953.10	08124088-2133056
M097			793	3558	49417			101180	4241-32-1					4889.00	20303207+6526586
M098	16240+4821 A		623	417	42730			80346	3495-601-1					3733.00	16240913+4821112
M099	06578-4417 A		257 A	222	17239			33499	7640-1099-1	17304 B		-44 3045		1641.10	06574663-4417281
M099	06578-4417 B		257 B					33499	7640-1099-2	17304 A				1641.10	06574663-4417281
M100			686	452	45173		133635	86287	1555-1029-1		+18 3421			4009.00	17375330+1835295
M101			1289	4003										5741.21	23430628+3632132
M102															07401183-4257406
M103			493.1	2664										2981.02	13003350+0541081
M104	19075+3231 H		747 A	471	47437									4459.00	19074283+3232396
M104	19075+3231 I		747 B											4459.00	19074283+3232396
M105															11381671-7721484
M106			1151	316										2739.01	11505787+4822395
M107			1227	465										4238.01	18222719+6203025
M108			48	131	3359			4856	4304-700-1		+70 68b			202.00	01023213+7140475
M109			1105	1963	18699			38956	2968-1142-1					1875.01	07581269+4118134
M110			1230 A	3405										4313.01	18410977+2447143
M110			1230 B	3404										4313.01	18410977+2447143
M111	16201-3732 A		618 A	415	42493		747653	80018	7853-670-1	41675 A		-37 10765		3701.00	16200353-3731449
M111	16201-3732 B		618 B	416	42494			80018						3701.00	16200321-3731485
M112			486	341	31933			62452	882-1111-1					2943.00	12475664+0945050
M113			232	1846	16474									1484.00	06244132+2325585
M114			1154 AB	2531										2817.01	12141654+0037263
M115			3146	1375	7501									464.01	02162977+1335136
M116			1057	168										665.01	03132299+0446293
M117			3454												07362513+0704431
K001	03329-0927 A	22049	144	1557	11207	1084	185905	16537	5296-1533-1	7579 A	-09 697			742.00	03325591-0927298
K002	21069+3844 A	201091	820 A	62	50559	8085	86045	104214	3168-2800-1	57584 A	+38 4343			5077.00	21065341+3844529
K002	21069+3844 B	201092	820 B	63	50560	8086	86049	104217	3168-2798-1	57584 B	+38 4344			5077.00	21065473+3844265
K003		209100	845	67	52724	8387	349918	108870	8817-984-1				-57 10015	5314.00	22032156-5647093
K003															22041052-5646577
K004		202560	825	66	50917		301208	105090	7966-1201-1			-39 14192	-39 8920	5117.00	21171534-3852022
K005	10114+4927 A	88230	380	280	23613		51736	49908	3437-811-1	28452 A	+50 1725			2390.00	10112218+4927153
K006	04153-0739 A	26965	166 A	23	12863	1325	400061	19849	5312-2325-1	8980 A	-07 780			945.00	04151651-0739068
K006	04153-0739 B	26976	166 B	24	12868						-07 781			945.00	04152173-0739173
K006	04153-0739 C		166 C	25	12869									945.00	04152173-0739173
K007	18055+0230 A	165341	702 A	458	45899	6752	165145	88601	434-5213-1	46270 A	+02 3482			4137.00	18052735+0229585
K007	18055+0230 B		702 B	459	45900			88601	434-5212-1	46270 B				4137.00	18052735+0229585
K008	14574-2124 A	131977	570 A	387	38872	5568	263609	73184	6180-855-1	38678 A	-20 4125			3375.00	14572788-2124526
K008	14574-2124 B	131976	570 B	386	38871		263608	73182	6180-1230-1	38678 B	-20 4123		-20 6021	3375.00	14572643-2124384
K009	17155-2635 A	155886	663 A	437	44415	6402	266613	84405	6820-326-1	43835 A		-26 12026	-26 5858	3908.00	17152095-2636064
K009	17155-2635 B	155885	663 B	438	44416	6401		84405	6820-326-2	43835 B				3908.00	17152095-2636064
K009	17155-2635 C	156026	664	439	44446		266626	84478	6820-293-1	43835 C		-26 12036	-26 5863	3913.00	17161340-2632444
K010	20112-3605 A	191408	783 A	486	48832	7703	299890	99461	7453-1391-1	54025 A		-36 13940		4782.00	20111207-3606063
K010	20112-3605 B		783 B	487				99461						4782.00	20111207-3606063
K011	09144+5241 A	79210	338 A	260	21249		32059	45343	3806-1814-1	25914 A	+53 1320			2198.00	09142298+5241125
K011	09144+5241 B	79211	338 B	261	21251		32060	120005	3806-1819-1	25914 B	+53 1321			2198.00	09142485+5241118
K012		191849	784	3531	48880		325963	99701	8392-2673-1			-45 13677	-45 9899	4794.00	20135335-4509506
K013	23132+5709 A	219134	892	71	56173	8832	41599	114622	4006-1866-1	63405 A	+56 2966			5616.00	23131692+5710059
K014	02361+0653 A	16160	105 A	15	8447	753	145742	12114	52-1686-1	5772 A	+06 398			520.00	02360498+0653140
K014	02361+0653 B		105 B	16	8455									520.00	02361535+0652191
K015	17190-3459 A	156384	667 A	442	44531	6426	296186	84709	7370-850-1	43999 A		-34 11626		3924.00	17185698-3459236
K015	17190-3459 B		667 B	442	44531		296186	84709	7370-850-2	43999 B				3924.00	17185698-3459236
K015	17190-3459 C		667 C	443	44534									3924.00	17185868-3459483

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
K016	00483+0516 A	4628	33	121	2668	222	143910	3765	17-1398-1	1972 A	+04 123			156.00	00482303+0516497
K017	01425+2016 A	10476	68	1287	5685	493	91014	7981	1211-1733-1	3895 A	+19 279			356.00	01422977+2016073
K018	01080+5455 A	6582	53 A	8	3721	321	26046	5336	3673-1929-1	2746 A	+54 223			219.00	01081597+5455148
K018			53 B											219.00	01081597+5455148
K019		216803	879		55315	8721	303193	113283	7505-100-1			-32 17321	-32 6550	5562.00	22562403-3133559
K020	01398-5612 A	10361	66 A			487	331230	7751	8478-1394-2	3804 A			-56 329	352.00	01394778-5611361
K020	01398-5612 B	10360	66 B		5588	486	331230	7751	8478-1394-1	3804 B			-56 329	352.00	01394755-5611471
K021		157881	673	447	44767		163976	85295	405-956-1		+02 3312			3955.00	17254521+0206406
K022		217357	884	3885	55523		274478	113576	6971-95-1			-23 17699	-23 8259	5572.00	23001607-2231276
K023	05025-2115 A	32450	185 A		14415		248358	23452	5912-481-1	10632 A	-21 1051		-21 727	1135.00	05022845-2115236
K023	05025-2115 B		185 B		14415			23452	5912-481-2	10632 B				1135.00	05022845-2115236
K024		32147	183	200	14351	1614	187577	23311	4762-1490-1		-05 1123			1129.00	05004896-0545117
K025	06523-0511 A	50281	250 A	1875	17107		189627	32984	4808-939-1	16878 A	-05 1844			1606.00	06521806-0510253
K025	06523-0511 B		250 B	1876					4808-765-1	16878 B				1606.00	06521804-0511241
K026	17191-4638 A	156274	666 A	444	44524	6416	322809	84720	8341-4366-1	44003 A		-46 11370		3919.00	17190373-4638109
K026	17191-4638 B		666 B	445	44525			84720	8341-4365-1	44003 B				3919.00	17190292-4638134
K027		192310	785	488	48922	7722	270900	99825	6914-1943-1			-27 14659	-27 6972	4804.00	20151734-2701585
K028		103095	451 A	44	28839	4550	76134	57939	3014-574-1		+38 2285			2745.00	11525880+3743060
K029	11345-3250 A	100623	432 A	308	27854	4458	289079	56452	7220-866-1	31760 A		-32 8179	-32 3122	2678.00	11342953-3249533
K029	11345-3250 B		432 B	309	27855									2678.00	
K030	16363-0220 A	149661	631	3224	43164	6171	179865	81300	5052-996-1	42318 A	-01 3220			3773.00	16362142-0219281
K031		151288	638		43504		79608	82003	2585-1313-1		+33 2777			3815.00	16450635+3330330
K032		122064			35851	5256	18804	68184	4171-1430-1		+62 1325				13573203+6129343
K033		232979	172	1688	13604		29269	21553	3732-542-1		+52 857			1010.00	04374092+5253372
K034		103932	453	319	29099		259689	58345	6674-576-1			-26 8883	-26 4626	2762.00	11575619-2742251
K035		17925	117		9195	857	212115	13402	5292-897-1		-13 544			599.00	02523210-1246109
K036		111631	488		32069		178892	62687	4950-67-1		+00 2989			2951.00	12504357-0046047
K037	17051-0504 A	154363	653	431	44127		200318	83591	5072-408-1	43409 A	-04 4225			3878.00	17050345-0503584
K037	17051-0504 B		654	432	44131			83599	5072-1232-1	43409 B	-04 4226			3880.00	17051383-0505385
K038		13445	86	13	7238	637	331669	10138	8048-1022-1			-51 532	-51 282	445.00	02102587-5049258
K039	16167+6715 A	147379	617 A	3175	42488		19804	79755	4195-721-1	41546 A	+67 935			3712.00	16164280+6714196
K039	16167+6715 B		617 B	3176	42489			79762	4195-1167-1	41546 B				3712.00	16164537+6715224
K040	23526+7532 A	223778	909 A		58239	9038	11788	117712	4602-552-1	64926 A	+74 1047			5772.00	23522534+7532403
K040	23526+7532 B		909 B					117712						5772.00	23522534+7532403
K041			519		34676		77312	66459	2543-201-1		+36 2393			3116.10	13372875+3543039
K042	17393+0333 A	160346	688		45197		164368	86400	419-1909-1		+03 3465			4016.00	17391691+0333190
K043		11507	79	1307	6302		244400	8768	5858-74-1			-23 693	-23 215	392.00	01524908-2226055
K044		166620	706	3363	46046	6806	81007	88972	3102-1975-1		+38 3095			4171.00	18093745+3827288
K045	00394+2115 A	3651	27	1116	2118	166	90012	3093	1193-2072-1	1630 A	+20 85			110.00	00392187+2115024
K046	13169+1701 A	115404	505 A	2713	33527		129708	64797	1451-1151-1	35292 A	+17 2611			3035.00	13165106+1701021
K046	13169+1701 B		505 B	2714	33528			64797	1451-1154-1	35292 B				3035.00	13165156+1701000
K047		74576	320		20139		285567	42808	7675-3469-1			-38 4789	-38 2615	2089.00	08431805-3852569
K048		85512	370	2201	22790		314743	48331	7706-1752-1			-42 5678	-42 4101	2340.00	09510700-4330097
K049	08555+7048 A	75632	325 A	256	20460			43820	4378-2162-1	25030 A	+71 482			2113.00	08552479+7047389
K049	08555+7048 B		325 B	257	20463			43820	4378-2162-2	25030 B	+71 482a			2113.00	08552479+7047389
K050	00057+4548 A	38	4 A	1016	172		42555	473	3246-874-1	227 A	+45 4408			4.00	00054091+4548435
K050	00057+4548 B	38	4 B	1017	173		42555	473	3246-874-2	227 B	+45 4408s			4.00	00054090+4548374
K050	00057+4548 F		2	1014	139			428	3246-1142-1	227 F	+44 4548			4.00	00051079+4547116
K051		245409	208				121171	26335	709-63-1		+11 878			1281.01	05363099+1119401
K052		222237	902	3994	57525		375763	116745	9345-214-1			-73 1672	-73 2299	5721.00	23393736-7243197
K053	14534+1909 A	131511	567	5279	38694	5553	130966	72848	1481-694-1		+19 2881			3367.00	14532374+1909104
K054		125072	542	2892	36884		342746	69972	8690-554-1			-58 5564	-58 5467	3243.00	14190485-5922447
K055	15009+4526 A		572		39083		54474	73470	3481-1481-1	38794 AB	+45 2247			3394.00	15005557+4525343
K055	15009+4526 B		572		39083		54474	73470	3481-1481-1	38794 AB	+45 2247			3394.00	15005557+4525343
K056	11110+3028 A	97101	414 A	2367	26534			54646	2520-2524-1	30943 A	+31 2240			2600.00	11110509+3026459
K056	11110+3028 B		414 B	2366	26531				2520-2456-1	30943 B	+31 2238a			2600.00	11110245+3026415
K057		196877	798	496	49687			102186	8791-434-1			-53 8617	-53 9928	4924.00	20421878-5241572
K058	05413+5329 A	37394	211	1774	15439	1925	29972	26779	3749-1334-1	12482 A	+53 934			1289.00	05412033+5328523

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
K058	05413+5329 B	233153	212	1775	15446		29975	26801	3749-996-1	12482 B	+53 935			1291.00	05413073+5329239
K059		101581	435	2441	28235		316653	56998	7753-1657-1			-43 7228	-43 5524	2701.00	11410247-4424184
K060	08526+2820 A	75732	324 A	2062	20414	3522	99117	43587	1949-2012-1	24879 A	+28 1660			2117.00	08523579+2819509
K060	08526+2820 B		324 B	2063	20418									2117.00	08524084+2818589
K061	03279-1948 A	21531	142	1548	10996		212935	16134	5876-955-1		-20 643		-20 390	724.00	03275236-1948165
K062		158633	675	3287	44822	6518	20362	85235	4210-849-1		+67 1014			3972.00	17250019+6718246
K063		190007	775				169210	98698	498-2720-1		+02 4076			4746.00	20024703+0319344
K064		82106	349	2147	21909		400140	46580	234-468-1		+06 2182			2256.00	09295482+0539184
K065		40307					355061	27887	8892-1247-1			-60 1303	-60 508		05540421-6001245
K066	05284-0331 A	36003	204	1763	15135		188091	25623	4757-1577-1	11868 A	-03 1110			1242.00	05282613-0329576
K067		27274	167	1650	12938		333341	19884	8502-1080-1			-53 889	-53 672	950.00	04155689-5318353
K068		166348	707		46063		323841	89211	7912-268-1			-43 12343	-43 8486	4166.00	18122138-4326411
K069	11214-2027 A	98712	425 A		27132		258886	55454	6090-1204-1	31286 A	-19 3242		-19 4829	2632.01	11212663-2027134
K069	11214-2027 B		425 B		27131			55454	6090-1204-2	31286 B				2632.01	11212655-2027095
K070	13454+1746 A		525	359	35101			67090	1463-985-1	36269 C	+18 2776			3133.00	13450502+1747105
K071		29697	174		13741		93689	21818	1279-1854-1		+20 802			1039.00	04411888+2054058
K072		128165	556		37762		34579	71181	3860-1045-1		+53 1719			3299.01	14332887+5254315
K073		170657	716		46596		234645	90790	6274-1576-1		-18 4986		-18 414	4256.00	18311897-1854314
K074	13491+2659 A	120476	528 A	6259	35353		102871	67422	2002-492-1	36407 A	+27 2296			3153.00	13490399+2658469
K074	13491+2659 B		528 B	6259	35353			67422	2002-492-2	36407 B				3153.00	13490401+2658447
K075	11247-6139 A	99279	428 A	2402	27330		358692	55691	8959-1969-2	31408 A		-60 3532	-60 2911	2645.00	11244030-6138512
K075	11247-6139 B	99279	428 B	2402	27330		358692	55691	8959-1969-1	31408 B		-60 3532	-60 2911	2645.00	11243947-6138542
K076		211970	1267		53616		350185	110443	8822-210-1			-55 9073	-55 9831		22221621-5433383
K077		214749	868		54520		274115	111960	6969-1175-1			-30 19255	-30 6663	5486.00	22404335-2940278
K078		10436	69	1291	5703		13209	8070	4040-104-1		+63 229			354.00	01434072+6349242
K079		22496	146	1563	11339		307774	16711	8063-834-1			-48 1011	-48 376	754.00	03350093-4825089
K080		154577	656	3268	44221		362534	83990	9052-1691-1			-60 6576	-60 6718	3884.00	17101032-6043434
K081			471	2570	30983		158926	61094	874-452-1		+09 2636			2885.00	12311578+0848380
K082			215	1782	15533			27188	4098-1836-1		+62 780			1303.10	05454821+6214132
K083	08364+6718 A		310	251	19805		16691	42220	4133-241-1		+67 552			2037.00	08362561+6717419
K084		145417	615	413	42227		344701	79537	8719-359-1			-57 6303	-57 7690	3669.00	16134869-5734118
K085		184489	763	3470	47956		168166	96285	486-4483-1		+04 4157			4583.00	19343982+0434572
K086	10454+3831 A		400 A				75444	52600	3009-2043-1	29915 Aa	+39 2376			2509.10	10452148+3830422
K086	10454+3831 B		400 B				75444	52600	3009-2043-1	29915 Aa	+39 2376			2509.10	10452148+3830422
K087		23356			11720		213316	17420	5877-700-1		-19 733		-19 395		03435531-1906394
K088		216133	875				206835	112774	5241-1613-1		-07 5871			5527.00	22501943-0705245
K089		5133	42	1163	2941		276466	4148	6998-1282-1			-31 325	-31 92	177.00	00530108-3021249
K090	07400-0336 A	61606	282 A		18257		190509	37349	4835-546-1	20442 A	-03 2001			1809.00	07395932-0335506
K090	07400-0336 B		282 B		18260		190510		4835-774-1	20442 B	-03 2002			1809.00	07400289-0336130
K090					18149			36985	4834-1644-1		-02 2198				07360708-0306385
K091		234078	532		35516		53781	67691	3467-367-1		+50 2030			3166.01	13515995+4957033
K092		110315	481		31530		129246	61901	1446-1139-1		+16 2404			2922.02	12410647+1522359
K093		173818	726		47001		202137	92200	5118-441-1		-03 4380			4334.01	18472725-0338232
K094		150689					295424	81935	7867-1845-1			-38 11173	-38 6514		16441502-3856371
K094	16453-3848 A	150848					748022	82021	7867-1905-1	42674 A		-38 11189	-38 6524		16451697-3848332
K094	16453-3848 B	150848					748022	82021	7867-1905-1	42674 A		-38 11189	-38 6524		16451697-3848332
K095		120467	529	363	35368		262129	67487	6135-445-1		-21 3781		-21 5613	3154.00	13494500-2206392
K096			546	2903	37102			70218	2014-591-1		+30 2512			3262.00	14215724+2937468
K097			334		20989		192035	44722	5445-823-1		-08 2582			2175.01	09064536-0848248
K098	16049+3909 A	144579	611 A	3152	41938		79018	78775	3061-1027-1		+39 2947			3650.00	16045689+3909234
K098	16049+3909 B		611 B	3150	41931									3649.01	16045093+3909359
K099			281		18233			37288	183-626-1		+02 1729			1803.01	07392304+0211012
K100	07175-4659 A	57095	269 A	1911	17683		311660	35296	8123-1534-1	18811 A		-46 3046	-46 1360	1722.00	07172953-4658457
K100	07175-4659 B		269 B	1911	17683		311660	35296	8123-1534-2	18811 B				1722.00	07172953-4658457
K101		205390	833		51629		349539	106696	8436-504-1			-51 12998	-51 11696	5198.00	21364123-5050433
K102	11153+7328 A	97584	420 A		26722		7880	54952	4398-328-1	31089 A	+74 456			2611.00	11151198+7328308
K102	11153+7328 C		420 B		26719			54952	4398-328-2	31089 C				2611.00	11151105+7328360
K103	13477-3226 A	120036	1177 A					67308	7270-974-1	36359 A		-31 10649			13474215-3225480

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
K103	13477-3226 B		1177 B					67308	7270-974-2	36359 B					13474283-3225509
K104		52698	259		17311		251442	33817	6527-3498-1			-25 3913	-25 1829	1646.10	07011370-2556555
K105		144628	613		42064		344621	79190	8718-1921-1			-56 6221	-56 7345	3652.00	16094280-5626430
K106		142709	604		41579		321230	78170	7846-245-1			-42 10934	-42 7253	3602.00	15574075-4237271
K107		19305	123	1496	9886		146240	14445	55-745-1		+01 543			642.00	03062676+0157538
K108			116	159	9148			13375	2334-540-1		+33 529			588.00	02520697+3423236
K109		118926	521.1	2773	34824		196744	66675	4970-1243-1		-03 3508			3121.00	13400715-0411101
K110	06262+1845 A	45088	233 AB		16509		122473	30630	1336-16-1	15019 A	+18 1214			1489.00	06261024+1845249
K110	06262+1845 B		233 AB		16509			30630	1336-16-1	15019 A				1489.00	06261024+1845249
K111	12442+5146 A	110833	483		31724		33702	62145	3458-2234-1		+52 1650			2933.00	12441457+5145336
K112	23328-1650 A	221503	898		57183		241792	116215	6403-455-1	64153 A	-17 6769			5695.00	23324936-1650441
K112	23328-1650 B		897 A		57180		241790	116191	6403-1115-1	64153 BC	-17 6768			5695.00	23324655-1645081
K112	23328-1650 C		897 B		57180			116191	6403-1115-1	64153 BC				5695.00	23324655-1645081
K113			52	136	3643		12736	5247	4025-626-1		+63 137			217.00	01070794+6356284
K114		218511	1279		55957		366273	114361	9338-287-1			-68 2331	-68 3561		23094094-6743581
K115			14	1053	853			1368	2786-906-1		+40 45			45.00	00170635+4056538
K116	21054+0704 A	200779	818	3624	50492		171251	104092	538-1647-1	57480 A	+06 4741			5070.00	21051974+0704092
K117	05287-6527 A	36705					354779	25647	8887-1611-1	11876 A		-65 332	-65 475		05284484-6526551
K117	05287-6527 B														05284446-6526463
K118	00021-6817 A	224953	1294 A		58834		351584	169	9134-1714-1	88 A		-68 2373	-68 3594		00020875-6816509
K118	00021-6817 B		1294 B		58834			169	9134-1714-2	88 B					00020939-6816534
K119	06372-5002 B		240		16786			31634	8112-1978-2	15754 B				1556.00	06371122-5002181
K119	06372-5002 A		240		16786		767032	31634	8112-1978-1	15754 A		-49 2340	-49 990	1556.00	06371122-5002181
K120	05192-0305 A	34673	200 A	1754	14867		187932	24819	4756-223-1	11411 A	-03 1061			1211.00	05191260-0304256
K120	05192-0305 B		200 B	1755	14868		187932	24819	4756-223-2	11411 B				1211.00	05191260-0304256
K121	08427+0933 A		319 A	2042	20087			42748	810-2829-1	24351 A	+10 1857			2078.00	08424455+0933240
K121	08427+0933 B		319 B	2042	20087			42748	810-2829-1					2078.00	08424455+0933240
K121	08427+0933 C		319 C	2043	20092			42762	810-1030-1	24351 C				2078.00	08425223+0933111
K122		21197	141	1546	10867		185743	15919	4715-1106-1		-05 642			712.00	03245975-0521489
K123	03575-0110 A	24916	157 A		12237		175417	18512	4718-32-1	8401 A	-01 565			873.00	03572871-0109338
K123	03575-0110 B		157 B		12236			18512	4718-32-2	8401 B				873.00	03572892-0109232
K124			156	5087	12153		186324	18280	4724-682-1		-07 699			865.00	03543546-0649342
K125	19167-4553 A	179930	750 A		47589		324943	94739	8375-1985-1	50371 AB		-46 12902	-46 9672	4482.00	19164290-4553213
K125	19167-4553 B	179930	750 B		47589		324943	94739	8375-1985-1	50371 AB		-46 12902	-46 9672	4482.00	19164290-4553213
K126		139763			40839		230572	76779	6189-359-1		-17 4399				15403455-1802566
K127	00516-2255 A	4967	40 A	1159	2857		243325	4022	6422-1073-1	2088 A		-23 332	-23 101	173.00	00513400-2254361
K127	00516-2255 B		40 B	1160	2859									173.00	00513516-2254307
G001	14396-6050 A	128620	559 A	50	37984	5459	360911	71683	9007-5849-1	38060 A			-60 5483	3309.00	
G001	14396-6050 B	128621	559 B	51	37985	5460		71681	9007-5848-1	38060 B				3309.00	
G001	14396-6050 C		551	49	37460			70890						3278.00	14294291-6240465
G002	01441-1557 A	10700	71	146	5787	509	210580	8102	5855-2292-1	3967 A	-16 295			365.00	01440402-1556141
G003	19322+6941 A	185144	764	477	47961	7462	21580	96100	4448-2481-1	51348 A	+69 1053			4607.00	19322153+6939413
G004	00491+5749 A	4614	34 A	123	2690	219	25718	3821	3663-2669-1	1998 A	+57 150			155.00	00490622+5748545
G004	00491+5749 B		34 B	122				3821	3663-2669-2	1998 B				155.00	00490516+5749037
G005		20794	139	19	10637	1008	307533	15510	7567-1183-1			-43 1028	-43 354	703.00	03195563-4304112
G006	14513+1906 A	131156	566 A			5544	130930	72659	1481-722-1	38468 A	+19 2870			3360.00	14512328+1906034
G006	14513+1906 B		566 B					72659	1481-722-2	38468 B				3360.00	14512328+1906034
G007	12337+4121 A	109358	475	2579	31117	4785	53064	61317	3020-2541-1	33836 Aa	+42 2321			2895.00	12334454+4121270
G007	12337+4121 B	109358	475	2579	31117	4785	53064	61317	3020-2541-1	33836 Aa	+42 2321			2895.00	12334454+4121270
G008	13185-1818 A	115617	506	349	33614	5019	227091	64924	6116-1517-1	35348 A	-17 3813			3039.00	13182443-1818387
G009	05544+2017 A	39587	222 AB		15782	2047	95062	27913	1320-2118-1		+20 1162			1354.00	05542300+2016344
G010	13118+2753 A	114710	502	348	33217	4983	102444	64394	1996-2400-1	35104 A	+28 2193			3015.00	13115238+2752411
G011	03194+0321 A	20630	137		10577	996	146448	15457	59-1947-1	7169 A	+02 518			691.00	03192169+0322126
G012	11465-4030 A	102365	442 A	311	28512	4523	316766	57443	7745-1381-1	32161 A		-39 7301		2725.00	11463107-4030013
G012	11465-4030 B		442 B	313	28513									2725.00	11463269-4029476
G013	11411+3412 A	101501	434		28222	4496	76016	56997	2525-2445-1	31984 A	+35 2270			2699.00	11410301+3412064
G014	01477+6351 A	10780	75	1297	5921	511	13257	8362	4040-2023-1	4118 A	+63 238			371.00	01474488+6351090

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
G015		43834	231		16264	2261	369060	29271	9176-987-1				-74 374	1468.00	06101448-7445107
G016	02170+3414 A	13974	92	154	7508	660	67162	10644	2318-1874-1	5133 A	+33 395			464.00	02170303+3413278
G017	09357+3549 A	82885	356 A	2156	22117	3815	74631	47080	2500-1533-1	26907 A	+36 1979			2280.00	09353959+3548366
G017	09357+3549 B		356 B	2156	22117		74631	47080	2500-1533-1	26907 A				2280.00	09353959+3548366
G018	03180-6232 A	20807	138	172	10597	1010	353441	15371	8863-1557-1	7135 Aa			-62 265	705.00	03181281-6230230
G018	03180-6232 B	20766	136	171	10575	1006	353436	15330	8863-1556-1	7135 B			-63 217	701.00	03174616-6234313
G019		141004	598	3113	41151	5868	161899	77257	364-1224-1		+07 3023			3570.00	15462661+0721109
G020	00021+2706 A	224930	914 A	101	58829	9088	89344	171	1732-2731-1	90 A	+26 4734			5807.00	00021014+2704570
G020	00021+2706 B		914 B	101	58829		89344	171	1732-2731-1	90 A				5807.00	00021014+2704570
G021		72673	309	249	19772	3384	285366	41926	7135-2774-1			-31 6229	-31 2448	2042.00	08325148-3130031
G022		69830	302	245	19296	3259	219933	40693	5435-2991-1		-12 2449			1977.00	08182389-1237541
G023	05192+4007 A	34411	197	1753	14837	1729	47977	24813	2900-2157-1	11406 A	+39 1248			1199.00	05190848+4005565
G024		14412	95	1387	7651	683	244874	10798	6433-2414-1			-26 828	-26 214	479.00	02185853-2556451
G025	15038+4739 A	133640	575 A		39209	5618		73695	3484-1580-1	38892 A	+48 2259			3410.00	15034736+4739152
G025	15038+4739 B		575 B		39210		400199	73695	3484-1580-2	38892 B				3410.00	15034736+4739152
G026	01418+4237 A	10307	67	1284	5629	483	44319	7918	2823-2455-1	3875 A	+41 328			350.00	01414714+4236483
G026	01418+4237 B	10307	67	1284	5629	483	44319	7918	2823-2455-1	3875 A	+41 328			350.00	01414714+4236483
G027		147513	620.1 A			6094	295007	80337	7853-621-1			-38 10983	-38 6407	3717.00	16240128-3911346
G027			620.1 B				295000	80300	7853-559-1			-38 10980	-38 6406	3715.01	16233382-3913461
G028		172051	722			6998	268697	91438	6279-1723-1		-21 5081			4289.01	18385342-2103065
G029		30495	177		13953	1532	214826	22263	5892-1953-1		-17 954			1070.00	04473628-1656041
G030	00065+2900 A	166	5		235	8	89410	544	1735-927-1	269 A	+28 4704			9.00	00063674+2901175
G031	22183-5338 A	211415	853 A	3790	53420	8501	350135	110109	8822-1455-1	61042 A			-54 10055	5395.00	22181562-5337372
G031	22183-5338 B		853 B	3790	53420		350135	110109	8822-1455-1	61042 A				5395.00	22181562-5337372
G032	16156-0822 A	146233	616	3171	42344	6060	199464	79672	5613-1378-1	41514 A	-07 4242			3687.00	16153726-0822096
G033		95128	407		25907	4277	52175	53721	3009-2703-1		+41 2147			2556.00	10592802+4025485
G034	17351+6152 A	160269	684 A	3305	45144	6573	20453	86036	4199-1513-1	44750 A	+61 1678			4013.00	17345954+6152290
G034	17351+6152 B		684 B	3305	45144		20453	86036	4199-1513-2	44750 B				4013.00	17345954+6152290
G034	17351+6152 C		685	3306	45156			86087	4199-693-1					4017.00	17353445+6140540
G035	17206+3229 A	157214	672	441	44643	6458	80145	84862	2596-1317-1	44076 A	+32 2896			3946.00	17203955+3228056
G036		72905	311			3391	16705	42438	4133-1971-1		+65 643			2047.10	08391162+6501151
G037		196761	796	3570	49644	7898	271457	101997	6921-1792-1			-24 16193	-24 7050	4911.00	20401173-2346262
G038	15439+0230 A	140538	596.1 A			5853	161850	77052	355-1288-1	40313 A	+02 2989				15440182+0230548
G038	15439+0230 B		596.1 B					77052							15440182+0230548
G039		136352	582	395	39962	5699	320504	75181	8298-1229-1			-47 9919	-47 7075	3462.00	15214824-4819032
G040	10010+3155 A	86728	376	2216	23166	3951	74920	49081	2503-1516-1		+32 1964			2366.00	10010072+3155262
G040															10005030+3155459
G041	00458-4733 A	4391	1021		2525	209	305219	3583	8034-1159-1	1881 A		-48 176	-48 82	146.01	00454561-4733072
G041	00458-4733 B													146.01	00454435-4732567
G042		38858	1085		15661	2007	188472	27435	4776-1306-1		-04 1244			1330.11	05483495-0405404
G043	15475-3755 A	140901	599 A	5299a	41167	5864	294265	77358	7837-930-1	40466 A		-37 10500	-37 6571	3567.00	15472911-3754587
G043	15475-3755 B		599 B	5299b	41169									3567.00	
G044	00373-2446 A	3443	25 A	118	2012	159	243033	2941	6421-1924-2	1552 B		-25 225		104.00	00372057-2446023
G044	00373-2446 B	3443	25 B	118	2012	159	243033	2941	6421-1924-1	1552 A		-25 225	-25 64	104.00	00372057-2446023
G045		41593	227				121913	28954	1313-1343-1		+15 1065			1406.00	06064047+1532317
G046	05075+1839 A	32923	188 A	1736	14515	1656	120619	23835	1286-403-1	10841 A	+18 779			1152.00	05072692+1838420
G046	05075+1839 B	32923	188 B	1736	14515	1656	120619	23835	1286-403-1	10841 A	+18 779			1152.00	05072692+1838420
G047		160691	691		45314	6585	346258	86796	8355-436-1			-51 11094	-51 10535	4027.00	17440870-5150027
G048		217014	882		55385	8729	114985	113357	1717-2193-1		+19 5036			5568.00	22572795+2046077
G049		182488	758		47754	7368	82821	95319	2658-2556-1		+32 3411			4539.00	19233402+3313190
G050	13237+0243 A	116442	3781 A		33954		159721	65352	303-1283-1	35538 A	+03 2765				13233916+0243239
G050	13237+0243 B	116443	3782 B		33956		159722	65355	303-1282-1	35538 B	+03 2766				13234086+0243309
G051	20036+2954 A	190360	777 A	3510	48652	7670	110318	98767	2153-2883-1	53464 A	+29 3872			4759.00	20033732+2953493
G051	20036+2954 B		777 B	3509	48646									4756.00	20032651+2952000
G052	15527+4227 A	142373	602	3127	41439	5914	55019	77760	3057-2021-1		+42 2648			3596.00	15524052+4227052
G053	21483-4718 A	207129	838		52100	8323	327579	107649	8437-31-1	59654 A		-47 13928	-47 9758	5262.00	21481574-4718129
G054	17304-0104 A	158614	678 A		44914	6516	180083	85667	5080-2188-1	44529 A	-00 3300			3970.00	17302380-0103459
G054	17304-0104 B		678 B		44914			85667	5080-2188-2	44529 B				3970.00	17302380-0103459

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
G055	07518-1354 A	64096	291 A		18547	3064	219300	38382	5423-3227-1	21276 A	-13 2267			1856.00	07514629-1353526
G055	07518-1354 B		291 B		18547			38382	5423-3227-2	21276 B				1856.00	07514629-1353526
G056		43162	3389			2225	250051	29568	6505-2273-1			-23 3577	-23 1125		06134528-2351433
G057		111395	486.1		31976	4864	102174	62523	1990-3779-1		+25 2568			2945.00	12484706+2450250
G058	04053+2201 A	25680	160		12493	1262	93234	19076	1262-1646-1	8659 A	+21 587			902.00	04052023+2200321
G059	07039-4336 A	53705	264.1 A		17382	2667	311421	34065	7641-1530-1	17808 A		-43 2906	-43 1186	1662.00	07035734-4336289
G059	07039-4336 B	53706	264.1 B		17383	2668	311423	34069	7641-2180-1	17808 B		-43 2907	-43 1186	1662.00	07035890-4336411
G059	07039-4336 C	53680	264		17380		311415	34052	7641-558-1	17808 C		-43 2904	-43 1184	1660.00	07035022-4333410
G060		177565	744		47394	7232	298566	93858	7917-565-1			-37 13049	-37 8466	4433.00	19065247-3748380
G061	14035+1047 A	122742	538		36119	5273	130282	68682	904-1278-1		+11 2625			3201.00	14033235+1047121
G062		62613	290	5130	18520	2997	1316	38784	4535-1164-1		+80 238			1829.00	07561720+8015558
G063		126053	547	2907	37152	5384	160580	70319	318-438-1		+01 2920			3264.00	14231528+0114294
G064	16011+3318 A	143761	606.2	3145	41765	5968	78975	78459	2576-2228-1	40963 A	+33 2663			3626.00	16010264+3318124
G065		50692	252			2569	96740	33277	1898-2479-1		+25 1496			1613.02	06551867+2522320
G066		152391	641	426	43724		179951	82588	5051-1354-1		+00 3593			3837.00	16525877-0001356
G067	15533+1312 A	142267	3924	3131	41435	5911	131776	77801	955-1148-1	40678 A	+13 3024			3595.00	15531211+1311489
G068		76151	327		20504	3538	191823	43726	4873-1792-1		-04 2490			2130.00	08541798-0526040
G069		102438	446		28549	4525	289357	57507	7217-698-1			-29 9337	-29 3538	2728.00	11471583-3017113
G070		1237	3021		824		366856	1292	9354-780-1			-80 9	-80 7		00161266-7951042
G071		165185	702.1			6748	297246	88694	7403-6261-1			-36 12214	-36 7995	4132.01	18062370-3601113
G072	21072-1355 A	200968	819 A		50550		238393	104239	5783-1074-1	57610 A	-14 5936			5076.00	21071037-1355224
G072	21072-1355 B		819 B		50550			104239	5783-1511-1	57610 B				5076.00	21071038-1355262
G073	13168+0925 A	115383	504		33523	5011	159616	64792	891-624-1	35287 A	+10 2531			3034.00	13164653+0925269
G074		193664	788	3537	49062	7783	22081	100017	4245-1794-1		+66 1281			4849.00	20173128+6651130
G075		165499	705.1		45984	6761	363177	89042	9059-2661-1				-62 5797	4139.00	18102614-6200078
G076	15138-0121 A	135204	580 A	393	39643		179510	74537	5001-567-1	39232 A	-00 2944			3438.00	15135096-0121047
G076	15138-0121 B	135204	580 B	393	39643		179510	74537	5001-567-1	39232 A	-00 2944			3438.00	15135096-0121047
G077		189567	776	484	48618	7644	364390	98959	9098-1638-1			-67 2385	-67 3703	4738.00	20053286-6719156
G078	20040+1705 A	190406	779	3515	48662	7672	137550	98819	1621-1499-1	53498 A	+16 4121			4760.00	20040620+1704125
G079	11268+0300 A	99491	429 A	2407	27398	4414	157865	55846	267-1191-1	31472 A	+03 2502			2648.00	11264531+0300475
G079	11268+0300 B	99492	429 B	2408	27399		157866	55848	267-1200-1	31472 B	+03 2503			2648.00	11264627+0300229
G080		206860	836.7		51984	8314	140575	107350	1133-1258-1		+14 4668			5246.10	21443131+1446190
G081	15233+3018 A	137107	584 A		40103	5727	78550	75312	2563-1366-1	39584 A	+30 2653			3480.00	15231232+3017162
G081	15233+3018 B	137108	584 B			5728		75312	2563-1366-2	39584 B				3480.00	15231232+3017162
G082		42807	230		16236	2208	122109	29525	734-2214-1		+10 1050			1435.00	06131250+1037374
G083	21198-2621 A	202940	825.4 A	3655	51024	8148	272343	105312	6945-785-1	58338 A		-26 15541	-26 7193	5129.00	21194564-2621100
G083	21198-2621 B		825.4 B	3656	51025		272343	105312	6945-1195-1	58338 B				5129.00	21194564-2621100
G084		130948	564			5534	103620	72567	2016-334-1		+24 2786			3352.10	14501581+2354424
G085		39091	9189	208	15535	2022	376576	26394	9386-2614-1			-80 195	-80 161	1340.00	05370988-8028090
G086		84737	368		22625	3881	51497	48113	3433-1531-1		+46 1551			2316.00	09483533+4601155
G087		222335	902.1		57549		304038	116763	7518-129-1			-33 16646	-33 6374	5723.00	23395129-3244358
G088		154345	651	3260	44092		55871	83389	3501-1373-1		+47 2420			3877.00	17023639+4704540
G089		4747	36	1154	2748		243283	3850	6421-822-1			-23 315	-23 95	162.00	00492678-2312447
G090	20052+3829 A	190771	1249		48704	7683	84163	98921	3150-3061-1	53576 A	+38 3896			4767.30	20050978+3828424
G091		181321	755			7330	298894	95149	7432-2718-1			-35 13422	-35 8542		19212974-3459002
G092	01332-2411 A	9540	59 A		5178		244072	7235	6426-1229-1	3557 A		-24 658	-24 173	322.00	01331578-2410405
G092	01332-2411 B		59 B		5160										01330002-2414586
G093		52711	262	1893	17339	2643	400099	34017	1907-321-1		+29 1441			1647.00	07033043+2920150
G094		78366	334.2		21037	3625	74277	44897	2495-846-1		+34 1949				09085105+3352556
G095		36435	204.1				354767	25544	8879-151-1			-60 1169	-60 424	1254.00	05273934-6024575
G096	06172+0505 A	43587	231.1 A		16334	2251	150225	29860	140-1840-1	14476 A	+05 1168			1463.00	06171614+0506001
G097		120690	530	2814	35448	5209	262173	67620	6720-1406-1			-23 11328	-23 5802	3161.00	13512039-2423252
G098		194640	790	3554	49277		300210	100925	7455-1420-1			-31 17597	-31 6268	4864.00	20274424-3052039
G099		157347				6465	180049	85042	5071-891-1		-02 4343				17225127-0223173
G100	09143+6125 A	79028	337.1			3648	16969	45333	4135-1915-1		+62 1058			2192.00	09142054+6125239
G101		136923			40078		131343	75277	1490-157-1		+19 2961				15224688+1855081
G102	22583-0224 A	217107				8734	206984	113421	5235-1468-1	62816 A	-03 5539				22581556-0223432
G102	22583-0224 B	217107				8734	206984	113421	5235-1468-1	62816 A	-03 5539				22581556-0223432

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
G103	14294+8049 A	128642	3859				2539	70857	4565-800-1		+81 482				14292223+8048355
G104	15282-0921 A	137763	586 A		40292		198631	75718	5595-1153-1	39755 A	-08 3981			3491.00	15280961-0920525
G104	15282-0921 B	137778	586 B		40296		198632	75722	5595-1154-1	39755 B	-08 3983			3491.00	15281221-0921279
G105		128400	3863				372367	71855	9428-1001-1			-74 917	-74 1218		14415245-7508221
G106		180161	1233	6346	47547		37189	94346	3928-1729-1		+57 1961			4485.00	19121135+5740192
G107	22266-1644 A	212698	859 A		53842	8545	240280	110778	6385-1461-1	61409 A	-17 6521			5421.00	22263425-1644310
G107	22266-1644 B	212697	859 B		53842	8544		110778	6385-683-1	61409 B	-17 6520			5421.00	22263425-1644310
G108	10189+4403 A	89269	3593		23953		51812	50505	3007-67-1	28754 A	+44 1973			2416.00	10185193+4402544
G109	09123+1459 A	79096	337 A	2114	21191	3650	126206	45170	825-1543-1	25815 A	+15 2003			2193.00	09121762+1459454
G109	09123+1459 P	79096	337 B	2114	21191	3650	126206	45170	825-1543-1	25815 A	+15 2003			2193.00	09121762+1459454
G109															09121469+1459396
G110	21247-6814 A	203244	1262		51140		365154	105712	9322-1132-1			-68 2223	-68 3418		21244063-6813402
G111	03545+1637 A	24496	3255		12133		119451	18267	1249-1065-1	8295 A	+16 527				03542799+1636582
G111	03545+1637 B							18267							03542799+1636582
G112		184385			47935		109204	96183	1613-392-1		+21 3822				19332555+2150256
G113	22249-5748 A	212330	857		53743	8531	350219	110649	8828-1420-1	61341 A		-58 8327	-58 7954	5415.00	22245638-5747508
G114		9407	59.1		5181		13081	7339	4297-1087-1		+68 113			318.00	01343317+6856535
G115		18803	120.2		9664		92163	14150	1790-948-1		+26 503			628.01	03022598+2636334
G116	12590-0950 A	112758	491 A	2656	32493		196027	63366	5536-983-1	34662 A	-09 3595			2974.00	12590162-0950029
G116	12590-0950 B		491 B	2656	32493		196027	63366	5536-983-1	34662 A				2974.00	12590162-0950029
G117	20408+1956 A	197076	797 A		49682	7914	138820	102040	1642-835-1	56073 A	+19 4484			4932.00	20404512+1956071
G117	20408+1956 C		797 B											4932.00	
G118	00228-1212 A	1835	17.3		1171	88	208709	1803	5265-757-1	950 A	-13 60			62.00	00225174-1212340
G119		76932	3523		20676	3578	220890	44075	6014-255-1		-15 2656			2150.00	08584388-1607583
G120	19418+5031 A	186408	765.1 A		48136	7503	37671	96895	3565-1524-1	51966 A	+50 2847			4634.00	19414896+5031305
G120	19418+5031 B	186427	765.1 B		48138	7504	37673	96901	3565-1525-1	51966 B	+50 2848			4634.00	19415198+5031032
G121		117043	511.1		34113	5070	18596	65530	4167-701-1		+64 949			3071.00	13255983+6315406
G122	16147+3352 A	146361	615.2 A		42337	6063	400215	79607	2583-1846-1	41482 A	+34 2750			3689.00	16144084+3351307
G122	16147+3352 B	146362	615.2 B		42338	6064		79607	2583-1846-2	41482 B				3689.00	16144043+3351272
G122			615.2 C		42306			79551	2583-2153-1					3689.00	16135630+3346243
G123		124580	540.3		36689	5325	319343	69671	8277-3275-1			-44 9181	-44 6693		14153866-4500026
G124	04155+0612 A	26923				1322	147353	19859	80-874-1	8986 A	+05 614				04152879+0611128
G124	04155+0612 B	26913				1321	147350	19855	80-204-1	8986 B	+05 613				04152578+0611588
G125		141272	3917	3116	41229		161926	77408	352-286-1		+02 3001			3574.00	15480945+0134183
F001	07393+0514 A	61421	280 A	233	18229	2943	153068	37279	187-2184-1	20391 A	+05 1739			1805.00	07391805+0513298
F001	07393+0514 B		280 B	233	18229		153068	37279	187-2184-1	20391 A				1805.00	07391805+0513298
F002	18211+7245 A	170153	713 AB	3379	46426	6927	9830	89937	4437-1491-1	47207 A	+72 839			4245.00	18210342+7243582
F003	04499+0657 A	30652	178		14011	1543	148020	22449	96-1462-1	10147 A	+06 762			1077.00	04495040+0657409
F004	11182+3132 A	98231	423 A	2390	26920	4375	400161	55203	2520-2634-1	31184 A	+32 2132			2625.00	11181100+3131464
F004	11182+3132 B	98230	423 B	2391	26921	4374	400161	55203	2520-2634-2	31184 B				2625.00	11181100+3131464
F005		1581	17	5	1045	77	351761	1599	8843-1706-1				-65 13	54.00	00200446-6452282
F006	05445-2226 A	38393	216 A		15560	1983	249307	27072	5930-2197-1	12638 A	-22 1211	-22 2438	-22 886	1316.00	05442780-2226538
F006	05445-2226 B	38392	216 B		15558	1982	249306		5930-2196-1	12638 B	-22 1210	-22 2437	-22 885	1316.00	05442655-2225184
F007		203608	827	3674	51220	8181	365174	105858	9111-1423-1			-65 2751	-65 3918	5152.00	21262662-6521578
F008	03091+4936 A	19373	124	166	9973	937	45875	14632	3318-1840-1	6846 A	+49 857			647.00	03090387+4936479
F009	11507+0146 A	102870	449	2465	28736	4540	158259	57757	273-924-1	32307 A	+02 2489			2739.00	11504173+0145528
F010	02441+4913 A	16895	107 A		8789	799	45428	12777	3304-2737-1	6057 A	+48 746			549.00	02441197+4913423
F010	02441+4913 B	16895	107 B		8787	799	45428	12777		6057 A	+48 746			549.00	02441025+4913540
F011	15564+1540 A	142860	603	408	41572	5933	131822	78072	1496-2119-1	40788 A	+16 2849			3604.00	15562720+1539413
F012		33262	189			1674	334043	23693	8514-2291-1				-57 735	1164.00	05053067-5728217
F012			1075				334046	23708	8517-450-1			-57 1079	-57 737	1164.00	05054736-5733138
F013	22070+2520 A	210027	848		52972	8430	114048	109176	2208-2471-1	60528 A	+24 4533			5345.00	22070067+2520424
F014	12417-0127 A	110379	482 A	2604	31564	4825	400177	61941	4949-1120-1	34064 A	-00 2601			2924.00	12413962-0126580
F014	12417-0127 B	110380	482 B	2605	31565	4826	400177	61941	4949-1120-2	34064 B				2924.00	12413962-0126580
F015	21470-1607 A	207098	837		52065	8322	239339	107556	6363-1044-1	59595 A	-16 5943			5258.00	21470244-1607382
F016		147584	624		42751	6098	373091	80686	9278-2951-1				-69 2558	3719.00	16282814-7005037
F017	15551-6326 A	141891	601 A		41426	5897	361732	77952	9027-5712-1	40744 A			-63 3723	3589.00	15550857-6325507

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
F018	10306+5559 A	90839	395		24513	4112	32668	51459	3819-1373-1	29249 A	+56 1459			2459.00	10303759+5558501
F018	10306+5559 B	237903	394		24505		32667		3819-1043-1	29249 B	+56 1458			2457.00	10302530+5559569
F019	09329+5141 A	82328	354 A	270	21999	3775	32203	46853	3432-1451-1	26790 A	+52 1401			2266.00	09325151+5140384
F019	09329+5141 B		354 B					46853						2266.00	09325151+5140384
F020	01367+4125 A	9826	61		5367	458	44216	7513	2822-2210-1	3685 A	+40 332			331.00	01364784+4124200
F021	23399+0538 A	222368	904	3995	57557	8969	174312	116771	591-1744-1	64428 A	+04 5035			5724.00	23395706+0537343
F022		22484	147	1569	11391	1101	146728	16852	64-1569-1		-00 572			753.00	03365238+0024054
F023	03121-2859 A	20010	127 A	1515	10215	963	245929	14879	6445-990-1	6930 A		-29 1177	-29 362	664.00	03120443-2859156
F023	03121-2859 B		127 B					14879	6445-990-2	6930 B				664.00	03120443-2859156
F024		17206	111		8887	818	211940	12843	5866-1050-1		-19 518			560.00	02450616-1834211
F025	05244+1723 A	35296	202		15000	1780	120922	25278	1300-2225-1	11667 A	+17 920			1224.00	05242545+1723006
F025		35171	201		14980		120905	25220	1300-284-1		+17 917			1222.00	05233836+1719267
F026	14252+5151 A	126660	549 A	6266	37312	5404	34508	70497	3478-1332-1	37641 A	+52 1804			3274.00	14251181+5151029
F026	14252+5151 B		549 B											3274.00	14251160+5149535
F027		197692	805			7936	271590	102485	6925-1576-1			-25 15018	-25 7174	4947.00	20460572-2516153
F028		40136	225			2085	216474	28103	5360-1370-1		-14 1286			1370.00	05562429-1410036
F029	18570+3254 A	176051	738 A		47229	7162	82082	93017	2643-3345-1	49220 A	+32 3267			4399.00	18570156+3254050
F029	18570+3254 B		738 B					93017	2643-3345-2	49220 B				4399.00	18570156+3254050
F030		105452	455.3			4623	259912	59199	6672-995-1			-24 10174	-24 4786	2796.00	12082481-2443440
F031		84117	364		22406	3862	256602	47592	6602-2081-1			-23 8646	-23 4656	2306.00	09421443-2354563
F032		7570	55	1220	4186	370	305721	5862	8033-1232-1			-46 346	-46 127	257.00	01151112-4531540
F033		63077	288 A	237	18413	3018	284390	37853	7114-2950-1			-33 4113	-33 1748	1841.00	07453500-3410226
F033			288 B	237a	18414										07453844-3355528
F034	16560+6508 A	153597	648		43914	6315	20129	82860	4197-2429-1	43087 C	+65 1157			3860.00	16560170+6508054
F035	19254+0307 A	182640	760		47775	7377	167816	95501	469-6227-1	50902 A	+02 3879			4542.00	19252990+0306532
F036	13473+1727 A	120136	527 A		35234	5185	130070	67275	1460-132-1	36349 A	+18 2782			3144.00	13471581+1727249
F036	13473+1727 B		527 B					67275						3144.00	13471581+1727249
F037	18071+3034 A	165908	704 A			6775	80945	88745	2621-2683-1	46366 A	+30 3128			4153.00	18070158+3033434
F037	18071+3034 B		704 B					88745	2621-2683-2	46366 B				4153.00	18070158+3033434
F038		4813	37		2785	235	209360	3909	5270-1139-1		-11 153			166.00	00500759-1038394
F039	14347+2945 A	128167	557		37785	5447	103421	71284	2021-1323-1	37926 A	+30 2536			3300.00	14344080+2944422
F040	09007+4147 A	76943	332 A	2093	20721	3579	50954	44248	2986-1978-1	25270 AB	+42 1956			2153.00	09003845+4146583
F040	09007+4147 B	76943	332 B	2093	20721	3579	50954	44248	2986-1978-1	25270 AB	+42 1956			2153.00	09003845+4146583
F041	07578-6018 A	65907	294 A	1959	18763	3138	356380	38908	8911-793-1	21657 A			-59 944	1902.00	07574692-6018111
F041	07578-6018 B		294 B	1960			776845					-59 1774		1902.00	07575485-6017584
F041	07578-6018 C		294 C											1902.00	07575485-6017584
F042		90589	391			4102	370700	50954	9223-2880-1			-73 576	-73 733	2451.00	10242373-7401536
F043	22467+1211 A	215648	872 A	3851	54819	8665	141833	112447	1155-2186-1	62306 A	+11 4875			5516.00	22464156+1210228
F043	22467+1211 B		872 B	3852	54820									5516.00	22464232+1210214
F044	06467+4335 A	48682	245			2483	49322	32480	2953-1958-1	16485 A	+43 1595			1571.00	06464434+4334385
F045		55575	1095			2721	49716	35136	3396-2196-1		+47 1419			1687.00	07155011+4714241
F046		17051	108		8800	810	332074	12653	8056-1164-1			-51 641	-51 330	557.00	02423346-5048008
F047	19064-3704 A	177474	743.1 A		47387	7226	298559	93825	7422-1737-1	49731 A		-37 13048		4431.00	19062517-3703485
F047	19064-3704 B	177475	743.1 B		47387	7227	298559	93825	7422-1737-2	49731 B		-37 13048		4431.00	19062517-3703485
F048	09291-0246 A	81997	348 A			3759	177880	46509	4885-1568-1	26592 A	-02 2901			2255.00	09290891-0246083
F048	09291-0246 B		348 B				177881		4885-1567-1	26592 B	-02 2902				09290922-0245027
F049	17210-2107 A	156897	670 A		44619	6445	266721	84893	6246-664-1	44097 A	-20 4731			3935.00	17210038-2106463
F049	17210-2107 B		670 B					84893						3935.00	17210038-2106463
F050		110897	484		31760	4845	76701	62207	3021-2548-1		+40 2570			2935.00	12445938+3916441
F051		10647	3109			506	331261	7978	8475-527-1				-54 365		01422932-5344271
F052		139664	594		40843	5825	320883	76829	7849-3219-1			-44 10310	-44 7529	3536.00	15411138-4439401
F053		23754	155	1591	11847	1173	246687	17651	6448-1370-1			-23 1565	-23 414	827.00	03465090-2314585
F054		160915	692			6595	267190	86736	6260-2072-1		-21 4712			4034.00	17432580-2140593
F055	13100+1732 A	114378	501 A		33105	4968	129630	64241	1454-1134-1	35047 A	+18 2697			3006.00	13095936+1731456
F055	13100+1732 B	114379	501 B		33105	4969	129630	64241	1454-1134-2	35047 B	+18 2697			3006.00	13095936+1731456
F056		46588	240.1	1868	16831	2401	6423	32439	4534-1837-1		+79 212			1530.00	06461411+7933542
F057	07523-3442 A	64379	292 A		18577	3079	284526	38423	7127-2092-2	21314 A		-34 4036		1864.00	07521555-3442199
F057	07523-3442 B	64379	292 B		18577	3079	284526	38423	7127-2092-1	21314 B		-34 4036	-34 1776	1864.00	07521555-3442199

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
F058	07290+3147 A	58946	274 A		17908	2852	72843	36366	2452-2167-1	19646 A	+32 1562			1760.00	07290671+3147043
F058	07290+3147 B		274 B					36366						1760.00	07290671+3147043
F058					17907		72839	36357	2456-932-1		+32 1561			1758.00	07290175+3159378
F059	14190-2549 A	125276	542.1 A	2891	36915	5356	262764	69965	6735-1289-1	37437 A		-25 10271	-25 5397	3249.00	14190091-2548557
F059	14190-2549 B		542.1 B					69965						3249.00	14190091-2548557
F060	13142-5906 A	114837	503 AB		33318	4989	341714	64583	8661-2282-1	35215 A		-58 4940	-58 4740	3017.00	13141513-5906114
F060	13142-5906 B							64583						3017.00	13141513-5906114
F061		69897	303		19323	3262	98601	40843	1936-1174-1		+27 1589			1979.00	08200385+2713038
F062		129502	9491		38172	5487	197840	71957	4997-942-1		-05 3936			3325.00	14430363-0539291
F063		109085	471.2		31021	4775	225971	61174	6103-2394-1		-15 3489			2887.00	12320424-1611455
F064		210302	849.1		53086	8447	302262	109422	7492-1465-1			-33 15941	-33 6227	5357.00	22100875-3232544
F065	19364+5013 A	185395	765 A		48025	7469	37578	96441	3564-3157-1	51619 A	+49 3062			4611.00	19362654+5013155
F065	19364+5013 B		765 B					96441						4611.00	19362654+5013155
F066	21145+1001 A	202275	822 A		50842	8123	139808	104858	1109-2583-1	58037 AB	+09 4746			5107.00	21142881+1000249
F066	21145+1001 B	202275	822 B		50842	8123	139808	104858	1109-2583-1	58037 AB	+09 4746			5107.00	21142881+1000249
F067	07201+2159 A	56986	271 A			2777	97380	35550	1359-2672-1	18998 A	+22 1645			1718.00	07200736+2158561
F067	07201+2159 B	56986	271 B			2777	97380	35550	1359-2672-1	18998 A	+22 1645			1718.00	07200736+2158561
F068	00531+6107 A	5015	41		2903	244	12540	4151	4017-2318-1	2171 A	+60 124			174.00	00530419+6107262
F069		693	10		524	33	208457	910	5839-1081-1		-16 17			24.00	00111587-1528043
F070	09307-4028 A	82434	351 A		21964	3786	314390	46651	7696-2620-1	26670 A		-39 5580	-39 3651	2268.00	09304200-4028004
F070	09307-4028 B		351 B		21964			46651	7696-2620-2	26670 B				2268.00	09304200-4028004
F071		25457	159		12410	1249	175430	18859	4725-1276-1		-00 632			891.00	04023675-0016078
F072	19510+1025 A	187691	768.1 A		48319	7560	137097	97675	1062-2701-1	52634 A	+10 4073			4670.00	19510166+1024567
F072	19510+1025 C		768.1 B											4670.00	19510068+1024400
F073	18457+2033 A	173667	725.2		46972	7061	107791	92043	1591-1918-1	48550 A	+20 3926			4328.00	18453972+2032466
F074	06165+1216 A	43386	9207		16315	2241	122206	29800	739-2617-1	14423 A	+12 1084			1459.00	06162660+1216194
F075		119756	525.1		35111	5168	291783	67153	7270-2399-1			-32 9603	-32 3479	3132.00	13454130-3302372
F076	15074+2453 A	134083	578		39355	5634	103802	73996	2024-1355-1	38997 A	+25 2873			3416.00	15071805+2452094
F077		71243	305			3318	369878	40702	9398-2714-1				-76 507	2006.00	08183157-7655108
F078	12068-6437 A	105211	455.2			4616	359197	59072	8982-4970-1	32913 A			-63 2145	2793.00	12065290-6436494
F079	21094-7310 A	200525	818.1 A	3635	50541	8061	374890	104440	9333-1274-1	57736 A			-73 2192	5058.00	21092250-7310235
F079	21094-7310 B	200525	818.1 B	3635	50541	8061	374890	104440	9333-1274-1	57736 A			-73 2192	5058.00	21092250-7310235
F079	21094-7310 C		818.1 C		50542			104440						5058.00	21092379-7310270
F080		68456	297.1		19067	3220	356535	39903	8924-2780-1			-60 2088	-60 1074	1946.00	08090068-6118088
F081	04406-4152 A	29875	174.1 A			1502	308904	21770	7589-1693-1	9855 A		-42 1587	-42 513	1048.00	04403374-4151495
F081	04406-4152 B		174.1 B					21770						1048.00	
F082	07299+4941 A	58855	9234			2849	49904	36439	3401-1647-1	19713 A	+49 1630			1757.00	07295595+4940207
F083	21148+3803 A	202444	822.1 A		50860	8130	400283	104887	3169-3876-1	58064 A	+37 4240			5114.00	21144746+3802429
F083	21148+3803 B		822.1 B		50860		400283	104887	3169-3876-2	58064 B				5114.00	21144746+3802429
F083	21148+3803 Q		822.1 C	6374	50859									5114.00	21144685+3801137
F084	09105+6707 A	78154	335 A			3616	16933	45038	4141-1496-1	25738 A	+67 577			2174.00	09102351+6708030
F084	09105+6707 B		335 B					45038	4141-1496-2	25738 B				2174.00	09102351+6708030
F085		27290	167.1			1338	333343	19893	8075-1796-1			-51 1066	-51 524	952.00	04160159-5129119
F086	23167+5313 A	219623	4324		56351	8853	41654	114924	3998-2448-1	63542 A	+52 3410			5633.00	23164228+5312489
F087		219482	1282			8843	366354	114948	9126-1745-1			-62 1444	-62 6412		23165765-6200043
F088		154417	654.1		44139	6349	163495	83601	398-1908-1		+00 3629			3881.00	17051682+0042090
F089	06148+1909 A	43042	3390		16267	2220	122160	29650	1322-1496-1	14316 A	+19 1270			1449.00	06145088+1909229
F090	05227+7913 A	33564	196			1686	5936	25110	4532-2096-1	11573 C	+79 169			1173.00	05223348+7913519
F091		25998	161.1		12608	1278	69137	19335	2877-1545-1		+37 882			911.00	04083660+3802230
F091	04075+3803 A	25893			12567		69110	19255	2877-247-1	8740 A	+37 878			907.00	04073434+3804293
F091	04075+3803 B				12566			19255	2877-247-2	8740 B				907.00	04073434+3804293
F092	00352-0336 A	3196	23 A		1904	142	182410	2762	4675-1216-3	1459 AB	-04 62			97.00	00351484-0335343
F092	00352-0336 B		23 B		1904			2762	4675-1216-3	1459 AB				97.00	00351484-0335343
F093	01157-6852 A	7788	55.3 A		4258	377	352298	5896	9136-1759-2	2988 A		-69 52	-69 45	264.00	01154602-6852331
F093	01157-6852 C	7693	55.1 A		4206		352293	5842	9136-1758-1	2988 C		-69 51	-69 44	261.00	01150082-6849081
F093	01157-6852 B	7788	55.3 B		4259	377	352298	5896	9136-1759-1	2988 B		-69 52	-69 45	264.00	01154602-6852331
F093	01157-6852 D		55.1 B					5842	9136-1758-2	2988 D				261.00	01150082-6849081
F094	19465+3343 A	187013	767.1 A		48226	7534	83516	97295	2660-4227-1	52307 A	+33 3587			4654.00	19462559+3343400

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
F094	19456+3336 A	186858	765.4 A		48207			97222	2660-31-1	52255 A	+33 3582			4648.00	19453355+3336068
F094	19465+3343 B	225732	767.1 B		48228		83518		2660-4231-1	52307 B	+33 3589			4654.00	19462754+3343496
F094	19456+3336 B		765.4 B		48207			97222	2660-31-2	52255 B				4648.00	19453355+3336068
F095		189245	773.4		48537	7631	299648	98470	7444-1240-1			-34 14082	-34 8561	4729.00	20002024-3342122
F096		739	3013		551	35	275790	950	6995-1262-1			-35 42	-35 16	27.00	00114399-3507593
F097		89449	388.1		24018	4054	127314	50564	1423-1351-1		+20 2466			2421.00	10194419+1928157
F097					23782										10145386+2022137
F097					23781										10145393+2022188
F098		55892	268.1			2740	311577	34834	8119-2547-1			-46 2977	-46 1284	1694.00	07123363-4645337
F099		160032	686.2		45187	6569	323240	86486	8351-2577-1			-49 11616	-49 10162	4008.00	17402381-4924560
F100		90089	392.1			4084	1804	51502	4632-2151-1		+83 297			2438.00	10310454+8233309
F101	03294-6256 A	22001	143.2 A	1551	11118	1083	353551	16245	8870-1384-1	7470 A			-63 234	740.00	03292266-6256152
F101	03294-6256 B		143.2 B	1552	11119		775498		8870-1391-1	7470 B				740.00	03292904-6256478
F102		16673	3175			784	184889	12444	5285-1109-1		-10 525				02401242-0927103
F103		108954				4767	33593	61053	3841-1303-1		+53 1554				12305012+5304357
F104	10314-5343 A	91324	397.2		24602	4134	339127	51523	8601-4516-1	29283 A		-53 3569	-53 3909	2468.00	10312180-5342556
F105		199260	811			8013	271828	103389	6931-1018-1			-26 15344	-26 7133	5007.01	20564731-2617470
F106	21442+2845 A	206826	836.6 A		51972	8309	400287	107310	2201-2078-1	59456 A	+28 4169			5245.00	21440853+2844336
F106	21442+2845 B	206827	836.6 B		51973	8310	400287	107310	2201-2078-2	59456 B	+28 4169			5245.00	21440853+2844336
F107	19598-0957 A	189340	773.3	5351a	48536	7637	203530	98416	5742-1060-1	53218 AB	-10 5238			4733.00	19594734-0957293
F107	19598-0957 B	189340	773.3	5351a	48536	7637	203530	98416	5742-1060-1	53218 AB	-10 5238			4733.00	19594734-0957293
F108	12152-1019 A	106516		322	30114	4657	225575	59750	5522-1684-1	33204 A	-09 3468			2820.00	12151055-1018440
F109	08106-1348 A	68146	297.2 A		19073	3202	219748	40035	5438-2380-1	22475 A	-13 2420			1939.00	08103984-1347575
F109	08106-1348 B		297.2 B		19072									1939.00	08103429-1348514
F110	03128-0112 A	19994	128 A		10224	962	175267	14954	4708-1423-1	6955 A	-01 457			663.00	03124644-0111458
F110	03128-0112 B		128 B					14954						663.00	03124644-0111458
F111		213845	863.2		54210	8592	273980	111449	6392-1443-1		-21 6251			5458.00	22344161-2042293
F112	02412-0042 A	16765			8685	790	175164	12530	4699-1214-1	5966 A	-01 377			543.00	02411398-0041442
F112	02412-0042 B				8685			12530	4699-1214-2	5966 B				543.00	02411398-0041442
F113	10172+2306 A	89125	387 A		23895	4039	100231	50384	1969-1262-1	28686 A	+23 2207			2413.00	10171459+2306227
F113	10172+2306 B		387 B					50384						2413.00	10171410+2306264
F114	18138+6424 A	168151	708.1		46187	6850	20819	89348	4209-2018-1	46767 A	+64 1252			4200.00	18135382+6423502
F115	17420+7209 A	162003	694.1 A		45387	6636	9604	86614	4436-1425-1	45056 A	+72 804			4069.00	17415635+7208561
F115	17420+7209 B	162004	694.1 B		45388	6637	9605	86620	4436-1424-1	45056 B	+72 805			4069.00	17415811+7209251
F116	18197-6353 A	167425			46224	6828	363269	89805	9076-497-1	47133 A		-63 1343	-63 4370	4187.00	18194014-6353117
F116	18197-6353 B							89805						4187.00	18193998-6353040
F117		219571	9818			8848	350952	114996	8837-1297-1				-58 8062	5629.00	23172579-5814087
F118	17369+6845 A	160922	4017		45210	6596	20477	86201	4428-1960-1	44822 A	+68 949			4036.00	17365709+6845282
F119	01495-1042 A	11171	9061 A			531	210688	8497	5278-2438-1	4186 A	-11 352			382.00	01493510-1041110
F119	01495-1042 B	11131	9061 B				210682	8486	5278-2439-1	4186 B	-11 351			382.00	01492335-1042125
F120	11387+4506 A	101177	433.2 A	2437	28087	4486	52553	56809	3452-1883-1	31898 A	+45 1947			2695.00	11384487+4506303
F120	11387+4506 B		433.2 B	2436	28086		52552	56809	3452-1883-2	31898 B	+45 1947p			2695.00	11384408+4506270
F121	11317+1422 A	100180	3669 A		27657	4437	128323	56242	862-1208-1	31655 A	+15 2345			2665.00	11314496+1421525
F121	11317+1422 B		3670 B		27656		128322	56242	862-1209-1	31655 B	+15 2345p			2665.00	11314443+1422059
F122	01144-0755 A	7439	54.2 A		4123	366	183194	5799	5273-2653-1	2944 A	-08 216			253.00	01142403-0755222
F122	01144-0755 B	7438	54.2 B		4121		183193		5273-2652-1	2944 B	-08 215			253.00	01142243-0754393
F123		190422				7674	348276	99137	8780-47-1			-55 8393	-55 9317		20073510-5500578
F124	00490+1656 A	4676	34.1		2716	225	116793	3810	1188-1686-1	1996 A	+16 76			159.00	00485869+1656266
F125		164259	699.2			6710	201297	88175	5100-600-1		-03 4217			4109.00	18002899-0341250
F126	22426-4713 A	214953	871 A		54606	8635	328535	112117	8446-1645-1	62131 A		-47 14307	-47 9895	5493.00	22423689-4712383
F126	22426-4713 B		871 B		54607			112117						5493.00	22423749-4712426
F127	11239+1032 A	99028			27257	4399	400162	55642	858-1221-1	31385 A	+11 2348			2640.00	11235546+1031459
F127	11239+1032 B				27257		400162	55642	858-1221-2	31385 B				2640.00	11235546+1031459
F127									858-720-1	31385 C				2640.00	11234995+1037079
F128	09315+6303 A	81937	3559			3757	17085	46733	4139-1304-1	26708 A	+63 845			2253.00	09313170+6303427
F128	09315+6303 B	81937	3559			3757	17083				+63 845			2253.00	09312835+6303420
F129		111456	9417			4867	18377	62512	4162-1200-1		+61 1320			2946.00	12483942+6019115
F130	02396-1152 A	16620	105.4 A		8615	781	211811	12390	5288-1093-1	5900 AB	-12 501			537.00	02393381-1152192

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
F130	02396-1152 B	16620	105.4 B		8615	781	211811	12390	5288-1093-1	5900 AB	-12 501			537.00	02393381-1152192
A001	06451-1643 A	48915	244 A	219	16953	2491	217626	32349	5949-2777-1	16356 A	-16 1591			1577.00	06450887-1642566
A001	06451-1643 B		244 B	219	16953		217626	32349	5949-2777-1	16356 A				1577.00	06450887-1642566
A002	19508+0852 A	187642	768	3490	48314	7557	168779	97649	1058-3399-1	52618 A	+08 4236			4665.00	19504698+0852060
A003	18369+3847 A	172167	721		46746	7001	81558	91262	3105-2070-1	48054 A	+38 3238			4293.00	18365633+3847012
A004		216956	881		55380	8728	274426	113368	6977-1267-1			-30 19370	-30 6685	5565.00	22573901-2937193
A005	11490+1433 A	102647	448	2462	28642	4534	128576	57632	870-988-1	32248 A	+15 2383			2738.00	11490366+1434197
A006	07346+3153 A	60179	278 A		18087	2891	72938	36850	2457-2407-1	20046 A	+32 1581			1785.00	07343598+3153184
A006	07346+3153 B	60178	278 B		18087	2890	72938	36850	2457-2407-2	20046 B	+32 1581			1785.00	07343598+3153184
A006	07346+3153 C		278 C		18088		72940		2453-1918-1	20046 C	+32 1582			1785.00	07343745+3152102
A007	08592+4803 A	76644	331 A	2084	20650	3569	50941	44127	3420-2149-1	25209 A	+48 1707			2143.00	08591246+4802304
A007	08592+4803 B		331 B	2083				44127						2143.00	08591246+4802304
A007	08592+4803 C		331 C					44127						2143.00	08591246+4802304
A008	17349+1234 A	159561	681		45084	6556	133563	86032	1000-2508-1		+12 3252			4000.00	17345606+1233361
A009	21186+6236 A	203280	826			8162	22755	105199	4252-1870-1	58272 A	+61 2111			5139.00	21183475+6235081
A010	14425-6459 A	128898	560 A		38064	5463	360934	71908	9015-1445-1	38164 A			-64 2977	3313.00	14423039-6458305
A010	14425-6459 B		560 B		38065									3313.00	14422861-6458413
A011	11141+2032 A	97603	419		26691	4357	100996	54872	1439-2479-1	31047 A	+21 2298			2614.00	11140651+2031258
A012	01546+2048 A	11636	80			553	91184	8903	1212-1935-1	4352 A	+20 306			394.00	01543840+2048291
A013		115892	508.1		33743	5028	291265	65109	7275-2074-1			-36 8497	-36 5880	3048.00	13203582-3642443
A014		39060	219			2020	334622	27321	8099-1392-1			-51 1620	-51 774	1339.00	05471708-5103594
A015		141795	3921			5892	161966	77622	360-1226-1		+04 3069			3587.00	15504895+0428399
A016		38678	217.1			1998	216268	27288	5359-1778-1		-14 1232			1326.00	05465735-1449189
A017		118098	3792		34515	5107	179083	66249	4966-1366-1		+00 3076			3100.00	13344160-0035450
A018	15347+2643 A	139006				5793	104146	76267	2029-1690-1		+27 2512			3519.00	15344125+2642529
A019	17151+2451 A	156164	3995 AB			6410	105702	84379	2065-1930-1	43825 Aa	+25 3221			3916.00	17150190+2450212
A019	17151+2451 B							84379						3916.00	17150190+2450212
A020	14508-1602 A	130841	564.1			5531	229372	72622	6155-1210-1	38452 A	-15 3966			3351.00	14505274-1602302
A020	14508-1602 B	130819	563.4			5530	229365	72603	6155-1209-1	38452 B	-15 3965			3350.00	14504122-1559498
A021		2262	20			100	304874	2072	7530-978-1			-44 101	-44 47	72.00	00261219-4340475
A022		197157	4158			7920	348821	102333	8419-1619-1				-52 11752	4933.00	20440233-5155155
A023	02433+0314 A	16970	106.1 A		8785	804	400042	12706	50-1721-1	6026 A	+02 422			554.00	02431801+0314089
A023	02433+0314 B		106.1 B		8786		400042	12706	50-1721-2	6026 B				554.00	02431801+0314089
A023			106.1 C		8754				50-27-1		+02 418			548.00	02423253+0322259
A024		95418	9343			4295	32912	53910	3827-1079-1		+57 1302			2567.00	11015046+5622566
A025	08448-5442 A	74956	321.3 A			3485	337198	42913	8573-3571-1	24469 A			-54 1788	2098.00	08444223-5442313
A026	12155+5702 A	106591	459			4660	33469	59774	3837-1070-1	33209 A	+57 1363			2824.00	12152554+5701575
A027	05596+4457 A	40183	3375			2088	48617	28360	2924-2742-1	13403 A	+44 1328			1373.00	05593172+4456508
A028	13240+5456 A	116656	3783 A			5054	34007	65378	3850-1385-1	35543 A	+55 1598			3062.00	13235563+5455292
A028	13240+5456 B	116656	3783 A			5054	34007	65378	3850-1385-1	35543 A	+55 1598			3062.00	13235563+5455292
A028	13240+5456 D	116842	3785			5062	34021	65477	3850-1384-1	35543 C	+55 1603			3066.00	13251353+5459165
A028	13240+5456 C	116657	3784 B			5055		65378	3850-1386-1	35543 B				3062.00	13235629+5455183
A029	11249-1741 A	99211				4405	224369	55705	6088-2155-1	31416 A	-16 3244			2644.00	11245298-1741025
A029	11249-1741 B							55705						2644.00	11245298-1741025
A030	19055+1352 A	177724	4095 AB			7235	135773	93747	1052-3027-1	49678 A	+13 3899			4436.00	19052461+1351486
A030	19055+1352 B							93747						4436.00	
A031		157792	673.1			6486	266866	85340	6825-462-1			-24 13337	-24 5895	3954.00	17262221-2410308
A032		103287				4554	33292	58001	3833-1034-1		+54 1475			2749.00	11534983+5341408
A033	02449+1007 A	17094	9099		8864	813	118503	12828	643-937-1	6083 A	+09 359			558.00	02445655+1006510
A033	02449+1007 B	17094	9099		8864	813	118503	12828	643-937-1	6083 A	+09 359			558.00	02445655+1006510
A034	18073+0934 A	165777	9615 A			6771	165207	88771	1012-1661-1	46386 A	+09 3564			4147.00	18072099+0933497
A034	18073+0934 C		9615 B											4147.00	18071949+0934016
A035	12299-1631 A	108767			30918	4757	225920	60965	6103-2395-1	33713 A	-15 3482			2880.00	12295187-1630552
A035	12299-1631 B				30916		225919		6103-2398-1		-15 3481			2880.00	12295091-1631147
A036	19026-2953 A	176687				7194	269230	93506	6885-2837-1	49519 AB		-30 16575	-30 5798	4415.00	19023670-2952484
A036	19026-2953 B	176687				7194	269230	93506	6885-2837-1	49519 AB		-30 16575	-30 5798	4415.00	19023670-2952484
A037	17104-1544 A	155125	656.1 A			6378	232699	84012	6232-1333-1	43627 A	-15 4467			3895.00	17102267-1543298

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
A037	17104-1544 B		656.1 B					84012	6232-1333-2	43627 B				3895.00	17102267-1543298
A038		18978	121			919	245730	14146	6438-1110-1			-24 1387	-24 358	633.00	03022353-2337281
A039		180777	748.1			7312	10093	94083	4583-2836-1		+76 717			4497.00	19090990+7633380
A040	05079-0506 A	33111	9175			1666	187729	23875	4759-1671-1	10861 A	-05 1162			1158.00	05075100-0505109
A041		210418	9771		53109	8450	172728	109427	565-1999-1		+05 4961			5362.00	22101198+0611522
A042		87696	378.3			3974	75005	49593	2509-1343-1		+35 2110			2378.01	10072573+3514409
A043		172555				7012	363559	92024	9077-2487-1				-64 3948	4302.00	18452691-6452165
A043							782148		9077-2489-1			-64 1208	-64 3950	4302.00	18453704-6451460
A044		70060	1109			3270	285071	40706	7134-2967-1			-36 4449	-36 2235	1981.00	08183332-3639333
A045		78209	3534			3619	32016	44901	3430-1673-1		+52 1365				09085226+5136168
A046	18470+1811 A	173880				7069	135215	92161	1587-2067-1	48637 A	+18 3823			4336.00	18470124+1810531
A047	04173+2035 A	27045				1329	93391	19990	1272-1126-1	9039 A	+20 724				04171566+2034433
A047		284336					93394		1272-156-1		+20 727				04172693+2033178
A048	14162+5122 A	125161	9474 A		36813	5350	34432	69713	3478-1333-1	37339 A	+52 1784			3245.00	14160992+5122019
A048	14162+5122 B	234121	9474 B		36814		34433		3478-418-1	37339 B	+52 1785			3245.00	14161217+5122346
A049		50241	248		17061	2550	355624	32607	8899-2202-1				-61 720	1605.10	06481145-6156290
A050	22038+6437 A	209790			52854	8417	400291	108917	4271-2620-1	60369 A	+63 1802			5333.00	22034716+6437407
A050	22038+6437 B	209791			52851			108917	4271-2619-1	60369 B	+63 1802			5333.00	
A051	21199-5327 A	202730	9733 A			8140	349299	105319	8793-1478-1	58345 A			-53 10037	5122.00	21195196-5326581
A051	21199-5327 B		9733 B					105319	8793-1479-1	58345 B			-53 10037	5122.00	21195120-5326583
A052	17322+5511 A	159560				6555	36043	85829	3892-1621-1	44627 A	+55 1945			3999.00	17321602+5510224
A052	17322+5511 B	159541				6554	36040	85819	3892-1620-1	44627 B	+55 1944			3999.00	17321055+5511033
A053		125162	3837		36818	5351	54024	69732	3472-1264-1		+46 1949			3246.00	14162308+4605177
A054	01259+6014 A	8538			4718	403	12969	6686	4031-3289-1	3334 A	+59 248			287.00	01254889+6014070
A055		135379	580.1			5670	343590	74824	8706-1061-1				-58 5875	3443.10	15173088-5848043
A056	07181+1632 A	56537	9231 A			2763	123822	35350	1346-1396-1	18843 A	+16 1443			1708.00	07180560+1632255
A056	07181+1632 B		9231 B					35350						1708.00	07180597+1632336
A057		88955				4023	315161	50191	7716-3704-1			-41 5713	-41 4418	2407.00	10144416-4207189
A058	22313+5017 A	213558				8585	40777	111169	3628-3193-1	61630 A	+49 3875			5449.00	22311751+5016571
A059		161868				6629	164596	87108	420-1962-1		+02 3403			4065.00	17475355+0242262
A060	06377+1624 A	47105				2421	122774	31681	1329-1746-1	15777 A	+16 1223			1539.00	06374273+1623574
A061		188228				7590	374450	98495	9315-1893-1				-73 2086	4694.00	20003558-7254380
A062	09368-4921 A	83446				3836	314504	47175	8176-2817-1	26968 A		-48 4836	-48 2562	2288.00	09364955-4921181
A063		222603			57693	8984	174348	116928	586-1458-1		+00 5037			5734.00	23420281+0146481
A064		20320				984	185579	15197	5295-1259-1		-09 624			678.00	03155001-0849109
A065	15278+2906 A	137909				5747	104044	75695	2032-1605-1	39743 A	+29 2670			3495.00	15274972+2906202
A065	15278+2906 B	137909				5747	104044	75695	2032-1605-1	39743 A	+29 2670			3495.00	15274972+2906202
A066	12021+4304 A	104513			29357	4594	52766	58684	3019-2030-1	32716 A	+43 2179			2774.00	12020684+4302443
A067		14055				664	67170	10670	2318-1875-1		+33 397			468.00	02171888+3350500
A068	10332+4026 A	91312				4132	51942	51658	3005-1206-1	29369 A	+41 2101			2466.00	10331388+4025316
A069	12560+3819 A	112413			32338	4915	76815	63125	3021-2645-1	34542 A	+39 2580			2969.00	12560168+3819059
A069	12560+3819 B	112412			32336	4914	76814	63121	3021-2646-1	34542 B	+39 2580p			2969.00	12560044+3818533
A070	02020+7054 A	12111				575	4877	9480	4315-2126-1	4632 A	+70 153			412.00	02015742+7054253
A070	02020+7054 B							9480	4315-2126-2	4632 B				412.00	02015742+7054253
A070	02020+7054 C														02020114+7054392
A071		109536				4794	317605	61468	7762-1974-1			-40 7376	-40 5805	2903.00	12354554-4101190
A072	04548+1009 A	31295				1570	120382	22845	688-1867-1	10337 A	+09 683				04545372+1009030
A073	02398-4254 A	16754				789	306963	12413	7558-987-1	5911 A		-43 814		542.00	02394796-4253300
A073	02398-4254 B													542.00	02394829-4253049
A074		79439	3541			3662	32078	45493	3806-1813-1		+54 1285			2199.03	09161131+5401186
A075		25490				1251	147155	18907	79-1585-1		+05 581			892.00	04030936+0559214
A076		110411				4828	129256	61960	878-1102-1		+11 2485				12415305+1014082
A077		17093				812	118504	12832	643-936-1		+11 377			557.10	
A078		184006				7420	37459	95853	3555-2112-1		+51 2605			4570.00	19294236+5143472
A079		102124				4515	158171	57328	864-1209-1		+09 2545			2714.00	11451703+0815292
A080	19014+4656 A	177196				7215	57761	93408	3545-3041-1	49459 A	+46 2602			4425.00	19012637+4656055
A081	06237+0436 A	44769				2298	150415	30419	141-2452-1	14860 A	+04 1236			1482.00	06234609+0435339
A081	06237+0436 B	44770				2299		30422	141-2451-1	14860 B	+04 1237			1482.00	06234648+0435449

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
A082		71155				3314	191324	41307	4857-2151-1		-03 2339			2003.00	08253963-0354231
A083	09188+3648 A	80081				3690	400135	45688	2499-1655-1	26130 A	+37 1965			2214.00	09185060+3648091
A083	09188+3648 B							45688	2499-1655-2	26130 B				2214.00	09185060+3648091
A084		78045	333.3			3615	357086	44382	8939-2729-1				-65 1065	2172.00	09022678-6623460
A085		178253				7254	298624	94114	7917-2653-1			-38 13350	-38 7723	4450.00	19092834-3754157
A086	02095+3459 A	13161				622	67012	10064	2317-1647-1	4895 A	+34 381			439.00	02093261+3459143
A087		95608				4300	100837	53954	1436-1306-1		+20 2547			2572.00	11021980+2010472
A088	11456-6644 A	102249				4520	358955	57363	8985-3045-1	32129 A			-66 1640		11453643-6643433
A089		215789	9796			8675	350542	112623	8453-1499-1			-51 13389	-51 11870	5521.00	22483329-5119006
A090	00568+3830 A	5448				269	65785	4436	2798-1667-1	2301 A	+37 175			189.00	00564522+3829578
A091		137898				5746	161607	75761	337-843-1		+02 2965			3494.00	15283822+0150315
A092		165040				6745	363162	88866	9059-3655-1				-63 4292	4130.00	18083481-6340069
A093	12415-4858 A	110304			31539	4819	317697	61932	8240-2724-1	34059 A		-48 7597	-48 4965	2922.00	12413103-4857350
A093	12415-4858 B				31539			61932	8240-2724-2	34059 B				2922.00	12413103-4857350
A093															12405680-4904019
A094		49434				2514	176439	32617	4800-2674-1		-01 1386				06481907-0119079
A095		109787			31322	4802	317627	61622	8236-3158-1			-47 7745	-47 5588	2908.00	12374217-4832284
A096	17054+1245 A	154494				6355	132989	83613	984-2436-1	43424 A	+12 3142			3882.00	17052271+1244268
A097	16278-0822 A	148367				6129	199688	80628	5626-1388-1	41977 AB	-08 4243			3739.00	16274816-0822182
A097	16278-0822 B	148367				6129	199688	80628	5626-1388-1	41977 AB	-08 4243			3739.00	16274816-0822182
A097		148300					199680		5626-979-1		-08 4241				16272891-0834192
A097							199677		5626-1249-1		-08 4240				16272238-0827588
A098		85376				3900	99911	48390	1961-1429-1		+25 2169			2333.00	09515300+2423438
A099	01112+5508 A	6961			3919	343	26092	5542	3673-1923-1	2850 A	+54 236			241.00	01110616+5508596
A100	20501+4404 A	198639				7984	60544	102843	3179-1248-1	56668 A	+43 3739			4984.00	20500494+4403334
A101		130109				5511	160949	72220	326-1426-1		+02 2862			3340.00	14461493+0153344
A102		146624				6070	265379	79881	6805-1909-1			-28 12037	-28 5311	3693.00	16181789-2836502
A103		1404				68	65183	1473	2273-2081-1		+35 44			51.00	00181967+3647070
A104		90132			24220	4086	287637	50888	7709-2840-1			-37 6509	-37 4123	2439.00	10232927-3800354
A105		19107				925	185352	14293	5294-1195-1		-08 572			637.00	03041650-0736032
A106		210049				8431	302229	109285	7492-1466-1			-33 15922	-33 6221	5346.00	22082300-3259184
A107	18068-4325 A	165189				6749	323736	88726	7911-5035-1	46359 A		-43 12272	-43 8434		18064990-4325297
A107	18068-4325 B	165190				6750		88726	7911-5035-2	46359 B			-43 8434		18064990-4325297
A108	06324-0552 A	46304				2386	189280	31167	4810-2632-1	15417 A	-05 1678				06322312-0552076
A108	06324-0552 B							31167							06322340-0552078
A109	23489-2808 A	223352				9016	275366	117452	6988-1337-1	64778 A		-28 18353	-28 7721	5760.00	23485554-2807490
A109	23489-2808 C	223340					275365		6987-1162-1	64778 C		-28 18352	-28 7720	5760.00	23485048-2807157
A109	23489-2808 B							117452	6988-1337-1	64778 A				5760.00	23485554-2807490
A110		89021				4033	51795	50372	3007-1286-1		+43 2005			2411.00	10170583+4254515
A111		123998				5303	377662	69896	9439-1501-1				-80 706		14181388-8100282
A112	02292+6725 A	15089				707	400038	11569	4058-1504-1	5547 A	+66 213			493.00	02290394+6724084
A112	02292+6725 B							11569	4058-1504-2	5547 B				493.00	02290394+6724084
A112	02292+6725 C							11569	4058-1505-1	5547 C				493.00	02290508+6724055
A113		23281				1139	213312	17395	5306-1181-1		-10 729				03433384-1029083
A114	04306+1611 A	28527	170.1			1427	119967	21029	1265-1169-1	9515 A	+15 637			996.00	04303362+1611383
A114	04306+1611 B	28568					119973	21053	1265-763-1	9515 B	+15 640			996.02	04304677+1608554
A115		37594				1940	188321	26624	4771-1201-1		-03 1166				05393115-0333528
A116	20146+3647 A	192640				7736	84530	99770	2683-3962-1	54308 A	+36 3955			4812.00	20143203+3648225
A117		197950				7945	22346	102253	4258-2188-1		+66 1318			4957.00	20431101+6639267
A118		15008	97.1			705	352886	11001	9144-1688-1				-69 113	492.00	02214494-6839338
A119		212728				8547	365818	110935	9124-1805-1				-68 3493		22283770-6729205
A120		186219				7498	374368	97534	9314-780-1				-72 2445	4631.00	19492531-7230119
A121		222345				8968	241928	116758	5836-978-1		-15 6471			5722.00	23394707-1413198
A122	06424+1739 A	48097				2466	122905	32104	1334-2419-1		+17 1357				06422431+1738430
A123	22315-3221 A	213398				8576	302699	111188	7497-1511-1	61639 A		-32 17126	-32 6506	5444.00	22313033-3220458
A123	22315-3221 B						302700		7497-1512-1	61639 B		-32 17127	-32 6506		22313064-3221159
A124	16035-5747 A	143474				5961	344521	78662	8718-2860-1	41069 AB		-57 6235	-57 7500	3620.00	16033208-5746304
A124	16035-5747 B	143474				5961	344521	78662	8718-2860-1	41069 AB		-57 6235	-57 7500	3620.00	16033208-5746304

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Table 7. Component cross identifications with common catalogues (continued)

UNS	CCDM	HD	GJ	LHS	NLTT	HR	PPM	HIP	TYC	TDSC	BD	CoD	CPD	PLX	2MASS
A124	16035-5747 C						344520		8718-2861-1				-57 7500C		16033086-5746353
A125		159492	683			6549	346165	86305	8733-2365-1				-54 8403	3997.00	17380551-5430014
A126	05389-0713 A	37507	9187			1937	188306	26563	4779-700-1		-07 1142			1295.00	05385307-0712462
A127	15427+2618 A	140436				5849	104258	76952	2036-1674-1	40268 A	+26 2722			3554.00	15424459+2617442
A127	15427+2618 B							76952	2036-1674-2	40268 B				3554.00	15424459+2617442
A128	15503-4524 A	141296				5872	321081	77574	8309-556-1	40570 A		-45 10251	-45 7665		15501631-4524064
A128	15503-4524 B							77574							15501631-4524064
A128	15503-4524 C							77574							15501631-4524064
A129	04306+1542 A	28546				1428	119971	21039	1265-1174-1	9514 A	+15 639			996.01	04303886+1541309
A129	04301+1538 A	28485				1422	119962	20995	1265-1175-1	9494 A	+15 636			995.00	04300858+1538164
A129	04306+1542 B	28545					119968		1265-148-1	9514 B	+15 638			996.01	04303486+1544023
A129	04301+1538 B							20995	1265-1175-2	9494 B				995.00	04300858+1538164
A130		16555				778	332013	12225	8484-1504-1				-53 457	534.00	02372435-5232354

Table 8. Notes for specific systems

UNS ID	Note
M009	Triple system. A,C components are very close binary, B component orbits AC (Delfosse et al. 1999)
M011	CCDM lists a third component (CCDM 00184+4401 C), but this is not associated, CCDM 00184+4401 C is TYC 2794-1389-1
M018	CCDM lists seven other components (CCDM 22281+5741 C,D,E,F,G,H,I), but these are not associated, CCDM 22281+5741 C is TYC 3991-30-1, CCDM 22281+5741 D is clearly visible in 2MASS images (22 28 10.42 +57 42 44.9), but is not in the PSC, CCDM 22281+5741 E is 2MASS 22281788+5742148, CCDM 22281+5741 F is 2MASS 22280456+5742284, identification of CCDM 22281+5741 G,H uncertain, CCDM 22281+5741 I is HD 213209
M024	CCDM lists a secondary (CCDM 17366+6822 A, HD 160861), but this is not associated
M032	CCDM lists three other components (CCDM 10199+1951 A,B,D), but these are not associated, CCDM 10199+1951 A is HD 89484, CCDM 10199+1951 B is HD 89485, CCDM 10199+1951 C is BD +20 2464
M035	CCDM lists two other components (CCDM 22468+4420 B,C), but these are not associated, CCDM 22468+4420 B+C is PPM 63400
M036	Binary seperation too close to be resolved in 2MASS but is wider at other epochs
M041	CCDM lists a third component (CCDM 04312+5858 C), but this is not associated, CCDM 04312+5858 C is 2MASS 04310127+5900324
M043	CCDM lists a secondary (CCDM 05314-0341 B, BD -03 1122), but this is not associated
M057	CCDM lists two other components (CCDM 23319+1956 C,D), but these are not associated, CCDM 23319+1956 C is TYC 1723-143-1, CCDM 23319+1956 D is 2MASS 23315199+1956480
M060	CCDM lists a third component (CCDM 17121+4540 C), but this is not associated, CCDM 17121+4540 C is 2MASS 17120375+4542071
M062	GJ 644 A and GJ 644 B are spectroscopic binaries (SBC9 2683,2684)
M073	Triple system. CCDM appears to have 2 entries for this system (CCDM 03019-1635, CCDM 03019-1636), although CCDM 03019-1635 is listed without proper motion, it represents all three components correctly, and CCDM 03019-1636 should probably not exist, CCDM 03019-1635 A should be HIP 14101 rather than CCDM 03019-1636 A
M075	CCDM lists two other components (CCDM 20532+6210 B,C), but these are not associated, CCDM 20532+6210 B is BD +61 2067, CCDM 20532+6210 C is 2MASS 20525981+6210361
M077	Spectroscopic parallax, possibly should not be included
M088	Spectroscopic parallax, possibly should not be included
M089	Quadruple system, max seperation $\sim 1.5''$, see Leinert et al. (2000)
M098	CCDM lists a secondary (CCDM 16240+4821 B), but this is not associated, CCDM 16240+4821 B is 2MASS 16235231+4822050
M104	CCDM lists nine other components (CCDM 19075+3231 A,B,C,D,E,F,G,J,K), but these are not associated, CCDM 19075+3231 A+B is HD 178449, CCDM 19075+3231 C is 2MASS 19072775+3230359, CCDM 19075+3231 D is BD +32 3325, CCDM 19075+3231 E is TYC 2644-1789-1, CCDM 19075+3231 F is TYC 2644-884-1, CCDM 19075+3231 G is TYC 2644-2032-1, CCDM 19075+3231 J is 2MASS 19074029+3233221, CCDM 19075+3231 K is 2MASS 19073801+3231374
M114	Single star. CNS3 identfies this as a double (GJ 1154 AB, $\rho = 5''$, Δmag = 1.2), but the B component is most likely an unrelated object (2MASS 12141817+0037297)
K001	ϵ Eridani is not included in DEBRIS, as it is being observed by a Guaranteed Time project
K002	PPM 86047 = FK5 793 is not a component but is the system photocentre , CCDM lists four other components (CCDM 21069+3844 C,D,E,P), but these are not associated, CCDM 21069+3844 C is BD +38 4345, CCDM 21069+3844 D is BD +38 4342, CCDM 21069+3844 E is BD +38 4349, CCDM 21069+3844 P is TYC 3168-1076-1
K003	ϵ Indi B is a brown dwarf binary
K005	CCDM lists two other components (CCDM 10114+4927 B,C), but these are not associated, CCDM 10114+4927 B is HD 233714, CCDM 10114+4927 C is HD 233713
K006	CCDM lists two other components (CCDM 04153-0739 D,E), but these are not associated, CCDM 04153-0739 D is TYC 5313-183-1, CCDM 04153-0739 E is 2MASS 04153228-0730274
K007	Resolved spectroscopic binary (SBC9 1022), CCDM lists eleven other components (CCDM 18055+0230 P,Q,R,S,T,U,V,W,X,Y,Z), but these are not associated, CCDM has incorrect epoch for CCDM 18055+0230 P (1925 vs. 1947 in WDS), CCDM 18055+0230 P is clearly visible in 2MASS images (18 05 23.96 +02 31 03.4) but is not in the PSC, CCDM 18055+0230 Q is 2MASS 18052131+0231197, CCDM 18055+0230 R is 2MASS 18053232+0232144, CCDM 18055+0230 S is 2MASS 18052976+0233083, CCDM 18055+0230 T is 2MASS 18053351+0231170, CCDM 18055+0230 U is 2MASS 18052067+0233430, CCDM 18055+0230 V is clearly visible in 2MASS images (18 05 17.81 +02 30 00.1) but is not in the PSC, CCDM 18055+0230 W is 2MASS 18050576+0230005, CCDM 18055+0230 X is 2MASS 18051670+0229550, CCDM 18055+0230 Y is clearly visible in 2MASS images (18 05 26.60 +02 33 59.1) but is not in the PSC, CCDM 18055+0230 Z is clearly visible in 2MASS images (18 05 26.52 +02 30 39.6) but is not in the PSC
K008	HD 131976 is an unresolved spectroscopic binary (SBC9 1475),

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Table 8. Notes for specific systems (continued)

UNS ID	Note
	CCDM lists four other components (CCDM 14574-2124 C,D,E,F), but these are not associated, CCDM 14574-2124 C is 2MASS 14571953-2122161, CCDM 14574-2124 D is 2MASS 14572267-2120432, CCDM 14574-2124 E is 2MASS 14572064-2123070, CCDM 14574-2124 F is 2MASS 14571341-2119493, CCDM declination for CCDM 14574-2124 F is 30″ too north
K009	CCDM lists two other components (CCDM 17155-2635 D,P), but these are not associated, CCDM 17155-2635 D is HD 155849, CCDM 17155-2635 P is clearlyu visible in 2MASS images (17 15 18.07 -26 36 12.0) but is not in the PSC
K010	haw96 spectral type of M3 III for GJ 783 B is most likely for another object (2MASS 20111316-3605009), GJ 783 B is just resolved from GJ 783 A in 2MASS images but is not in the PSC
K011	CCDM lists two other components (CCDM 09144+5241 C,D), but these are not associated, CCDM 09144+5241 C is 2MASS 09143546+5242095, CCDM 09144+5241 D is TYC 3806-1033-1
K013	CCDM lists a secondary (CCDM 23132+5709 B, BD +56 2967), but this is not associated
K015	CCDM lists a fourth component (CCDM 17190-3459 D), but this is not associated, CCDM 17190-3459 D is 2MASS 17185199-3459041, TYC2 and TDSC don't have CCDM component set for TYC 7370-850-1 and TYC 7370-850-2
K016	CCDM lists a secondary (CCDM 00483+0516 B), but this is not associated, CCDM 00483+0516 B is 2MASS 00481380+0515316
K017	CCDM lists two other components (CCDM 01425+2016 B,C), but these are not associated, CCDM 01425+2016 B is 2MASS 01423045+2016596, CCDM 01425+2016 C is 2MASS 01423050+2018410
K018	Resolved spectroscopic binary (SBC9 57), GJ 53 B is not CCDM 01080+5455 B, CCDM lists four other components (CCDM 01080+5455 B,C,D,P), but these are not associated, CCDM 01080+5455 B is TYC 3673-194-1, CCDM 01080+5455 C is TYC 3673-40-1, CCDM 01080+5455 D is 2MASS 01075362+5454488, CCDM 01080+5455 P is 2MASS 01074545+5456284
K023	CCDM lists a third component (CCDM 05025-2115 C), but this is not associated, CCDM 05025-2115 C is probably 2MASS 05022934-2114598 although the position is out by 7″, 2MASS 05022907-2115086 is closer to CCDM position but it is most likely an artifact as it is not visible in 2MASS images
K026	CCDM lists two other components (CCDM 17191-4638 C,D), but these are not associated, CCDM 17191-4638 C is 2MASS 17184972-4638190, CCDM 17191-4638 D is 2MASS 17185584-4637476, CCDM is missing epoch for CCDM 17191-4638 D, WDS says 1900 which gives position compatible with 2MASS
K030	CCDM lists a secondary (CCDM 16363-0220 B), but this is not associated, CCDM 16363-0220 B is 2MASS 16361266-0219426
K037	CCDM lists a third component (CCDM 17051-0504 C), but this is not associated, CCDM 17051-0504 C is TYC 5072-461-1
K040	HD 223778 is an unresolved spectroscopic binary (SBC9 1459) CCDM lists a third component (CCDM 23526+7532 C), but this is not associated, CCDM 23526+7532 C is TYC 4602-652-1
K042	Unresolved spectroscopic binary (SBC9 1802)
K045	CCDM lists a secondary (CCDM 00394+2115 B), but this is not associated, CCDM 00394+2115 B is TYC 1193-917-1
K046	CCDM lists a third component (CCDM 13169+1701 C), but this is not associated, CCDM 13169+1701 C is 2MASS 13164800+1702543
K049	CCDM lists a third component (CCDM 08555+7048 C), but this is not associated, CCDM 08555+7048 C is TYC 4378-2170-1
K050	CCDM lists three other components (CCDM 00057+4548 C,D,E), but these are not associated, CCDM 00057+4548 C is 2MASS 00053131+4548261, CCDM 00057+4548 D is TYC 3246-1146-1, CCDM 00057+4548 E is TYC 3246-1100-1, CCDM 00057+4548 D,E are not in TDSC
K053	Unresolved spectroscopic binary (SBC9 820)
K056	CCDM lists three other components (CCDM 11110+3028 C,D,R), but these are not associated, CCDM 11110+3028 C is BD +31 2239, CCDM 11110+3028 D is 2MASS 11111500+3030044, CCDM 11110+3028 R is probably 2MASS 11110182+3031238 although CCDM position is 18″ too North
K058	CCDM lists three other components (CCDM 05413+5329 D,P,Q), but these are not associated, CCDM 05413+5329 D is BD +53 930, CCDM 05413+5329 P is 2MASS 05411251+5330239, CCDM 05413+5329 Q is 2MASS 05413566+5328047
K066	CCDM lists a secondary (CCDM 05284-0331 B), but this is not associated, CCDM 05284-0331 B is 2MASS 05282454-0330492
K070	CCDM lists two other components (CCDM 13454+1746 B,C), but these are not associated, CCDM 13454+1746 B is TYC 1463-851-1, CCDM 13454+1746 C is BD +18 2777
K102	CCDM lists two other components (CCDM 11153+7328 B,D), but these are not associated, CCDM 11153+7328 B+D is PPM 54976
K110	Resolve spectroscopic binary (SBC9 402)
K116	CCDM lists two other components (CCDM 21054+0704 B,C), but these are not associated, CCDM 21054+0704 B is TYC 538-740-1, CCDM 21054+0704 C is HD 200806

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Table 8. Notes for specific systems (continued)

UNS ID	Note
K117	Both components listed here are themselves binaries.
K120	CCDM lists a third component (CCDM 05192-0305 C), but this is not associated, CCDM 05192-0305 C is TYC 4756-398-1
G001	Proxima distance: 1.301 ± 0.001 pc (YPC,HIPnr,ben99)
G002	τ Ceti is not included in DEBRIS, as it is being observed by a Guaranteed Time project CCDM lists a secondary (CCDM 01441-1557 B), but this is not associated, CCDM 01441-1557 B is 2MASS 01440770-1558204
G003	CCDM lists a secondary (CCDM 19322+6941 B), but this is not associated, CCDM 19322+6941 B is TYC 4448-2117-1
G004	CCDM lists six other components (CCDM 00491+5749 C,D,E,F,G,H), but these are not associated, CCDM 00491+5749 C is 2MASS 00483853+5748135, CCDM 00491+5749 D is 2MASS 00490544+5751559, CCDM 00491+5749 E is BD +57 155, CCDM 00491+5749 F is TYC 3663-1484-1, CCDM 00491+5749 G is BD +56 129, CCDM 00491+5749 H is HD 236533
G006	CCDM lists two other components (CCDM 14513+1906 C,D), but these are not associated, CCDM 14513+1906 C is 2MASS 14512179+1907087, CCDM 14513+1906 D is 2MASS 14511264+1906463, TYC proper motion is likely inaccurate
G007	CCDM lists a secondary (CCDM 12337+4121 C), but this is not associated, CCDM has $\rho = 76.2''$ which should be $\rho = 276.2''$, CCDM 12337+4121 C is 2MASS 12333604+4117198
G008	CCDM lists a secondary (CCDM 13185-1818 B, BD -17 3815), but this is not associated
G009	Unresolved spectroscopic binary (SBC9 1535)
G010	CCDM lists a secondary (CCDM 13118+2753 B), but this is not associated, CCDM 13118+2753 B is 2MASS 13115140+2750473
G011	CCDM lists two other components (CCDM 03194+0321 B,C), but these are not associated, CCDM 03194+0321 B is BD +02 521, CCDM 03194+0321 C is 2MASS 03191255+0318057
G013	CCDM lists a secondary (CCDM 11411+3412 B), but this is not associated, CCDM 11411+3412 B is TYC 2525-1226-1
G014	CCDM lists a secondary (CCDM 01477+6351 B, BD +63 241), but this is not associated
G016	Unresolved spectroscopic binary (SBC9 117), CCDM lists a secondary (CCDM 02170+3414 B), but this is not associated, CCDM 02170+3414 B is 2MASS 02165264+3414501
G020	Resolved spectroscopic binary (SBC9 1468), CCDM lists two other components (CCDM 00021+2706 C,D), but these are not associated, CCDM 00021+2706 C is BD +26 4735, CCDM 00021+2706 D is 2MASS 00015779+2707010
G023	CCDM lists seven other components (CCDM 05192+4007 B,C,D,E,F,G,H), but these are not associated, CCDM 05192+4007 B is 2MASS 05190143+4007054, CCDM 05192+4007 C is 2MASS 05190185+4006382, CCDM 05192+4007 D is BD +39 1250, CCDM 05192+4007 E is PPM 47982, CCDM 05192+4007 F is 2MASS 05190079+4005292, CCDM 05192+4007 G is PPM 47981, CCDM 05192+4007 H is TYC 2900-1269-1
G025	Resolved spectroscopic binary (SBC9 826)
G026	Resolved spectroscopic binary (SBC9 2546)
G030	CCDM lists three other components (CCDM 00065+2900 B,C,D), but these are not associated, CCDM 00065+2900 B is TYC 1735-937-1, CCDM 00065+2900 C is 2MASS 00063345+2859011, CCDM 00065+2900 D is 2MASS 00063339+2859000
G032	CCDM lists a secondary (CCDM 16156-0822 B), but this is not associated, CCDM 16156-0822 B is 16153490-0821457
G034	GJ 684 A,B are resolved spectroscopic binary (SBC9 2557)
G035	CCDM lists two other components (CCDM 17206+3229 B,C), but these are not associated, CCDM 17206+3229 B is TYC 2596-50-1, CCDM 17206+3229 C is 2MASS 17203036+3232468
G038	GJ 596.1 B is partially resolved from HD 140538 in 2MASS images, CCDM lists three other components (CCDM 15439+0230 C,D,E), but these are not associated, CCDM 15439+0230 C is HD 140527, CCDM 15439+0230 D is TYC 355-250-1, CCDM 15439+0230 E is HD 140489
G040	Companion is unlikely to be CCDM 10010+3155 B due to large seperation and incompatible magnitude, companion position taken from 2MASS PSC with proper motion from primary, LSPM proper motion too small
G043	GJ 599 B is not in 2MASS PSC, but is clearly visible in 2MASS images (15 47 30.04 -37 55 08.3), CCDM lists a third component (CCDM 15475-3755 C), but this is not associated, CCDM 15475-3755 C is 2MASS 15473122-3754547
G044	Resolved spectroscopic binary (SBC9 1470)
G053	CCDM lists a secondary (CCDM 21483-4718 B, CoD -47 13929), but this is not associated
G054	Resolved spectroscopic binary (SBC9 969)
G055	Resolved spectroscopic binary (SBC9 478)
G058	CCDM lists two other components (CCDM 04053+2201 B,C), but these are not associated, CCDM 04053+2201 B is BD +21 588, CCDM 04053+2201 C is 2MASS 04052329+2202551

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Table 8. Notes for specific systems (continued)

UNS ID	Note
G061	Spectroscopic binary (SBC9 799)
G064	CCDM lists a secondary (CCDM 16011+3318 B), but this is not associated, CCDM 16011+3318 B is TYC 2576-1159-1
G067	Unresolved spectroscopic binary (SBC9 868), CCDM lists a secondary (CCDM 15533+1312 B), but this is not associated, CCDM 15533+1312 B is 2MASS 15531910+1311567
G072	CCDM lists a third component (CCDM 21072-1355 C), but this is not associated, CCDM 21072-1355 C is 2MASS 21070865-1355148
G073	CCDM lists a secondary (CCDM 13168+0925 B), but this is not associated, CCDM 13168+0925 B is 2MASS 13164978+0925206
G078	CCDM lists five other components (CCDM 20040+1705 B,C,P,Q,R), but these are not associated, CCDM 20040+1705 B is TYC 1621-943-1, CCDM 20040+1705 C is HD 190338, CCDM 20040+1705 P is 2MASS 20040614+1705353, CCDM 20040+1705 Q is BD +16 4117, CCDM 20040+1705 R is 2MASS 20035883+1705478
G079	CCDM lists a secondary (CCDM 11268+0300 C), but this is not visible in POSS or 2MASS images
G081	Resolved spectroscopic binary (SBC9 842), CCDM lists two other components (CCDM 15233+3018 C,D), but these are not associated, CCDM 15233+3018 C is flagged as a persistence artifact in 2MASS (15 23 12.28 +30 18 28.3), CCDM 15233+3018 D is 2MASS 15232339+3019597
G083	HD 202940 is an unresolved spectroscopic binary (SBC9 1292), CCDM lists three other components (CCDM 21198-2621 C,D,E), but these are not associated, CCDM 21198-2621 C is 2MASS 21195531-2620137, CCDM 21198-2621 D is 2MASS 21200501-2618437, CCDM 21198-2621 E is 2MASS 21195679-2618176
G089	Unresolved spectroscopic binary (SBC9 1531)
G090	CCDM lists a secondary (CCDM 20052+3829 B), but this is not associated, CCDM 20052+3829 B is 2MASS 20050695+3828229
G096	CCDM lists three other components (CCDM 06172+0505 B,P,Q), but these are not associated, CCDM 06172+0505 B is HD 254595, CCDM 06172+0505 P is 2MASS 06171345+0505419, CCDM 06172+0505 Q is 2MASS 06171372+0505030
G100	Unresolved spectroscopic binary (SBC9 558), CCDM lists a secondary (CCDM 09143+6125 B), but this is not seen in 2MASS images and is not in the WDS
G102	HD 217107. Binary resolved by speckle imaging (McAlister et al. 1987 $\rho = 0.457''$, $\theta = 164.0°$ or $344.0°$)
G104	HD 137763 is an unresolved spectroscopic binary (SBC9 1638), CCDM lists a third component (CCDM 15282-0921 C, BD -08 3984), but this is not associated
G107	CCDM lists two other components (CCDM 22266-1644 C,D), but these are not associated, CCDM 22266-1644 C is 2MASS 22263123-1643443, CCDM 22266-1644 D is marginally resolved from CCDM 22266-1644 C in 2MASS images
G108	CCDM lists a secondary (CCDM 10189+4403 B, BD +44 1975), but this is not associated
G109	Resolved spectroscopic binary (SBC9 559), CPM secondary 2MASS 09121469+1459396 is brown dwarf, CCDM lists two other components (CCDM 09123+1459 B,C), but these are not associated, CCDM 09123+1459 B is 2MASS 09122305+1459047, CCDM 09123+1459 C is BD +15 2001
G111	Binary measured by micrometer (Heintz 1980,1990 $\bar{\rho} = 2.605''$, $\bar{\theta} = 254.8°$), no other references, marginally resolved in 2MASS images
G113	CCDM lists a secondary (CCDM 22249-5748 B), but this is not associated, CCDM 22249-5748 B is 2MASS 22244626-5748056
G117	GJ 797 B (NLTT 49681) is CCDM 20408+1956 C, not CCDM 20408+1956 B. CCDM probably has incorrect θ for CCDM 20408+1956 C, it is mirrored about due south, CCDM lists a third component (CCDM 20408+1956 B), but this is not associated, CCDM 20408+1956 B is 2MASS 20404719+1957100
G118	CCDM lists a secondary (CCDM 00228-1212 B), but this is not associated, CCDM 00228-1212 B is 2MASS 00223841-1211072
G122	HD 146361 is an unresolved spectroscopic binary (SBC9 894), CCDM lists two other components (CCDM 16147+3352 C,D), but these are not associated, CCDM 16147+3352 C is visible in 2MASS images (16 14 42.61 +33 51 28.7) but is not in the PSC, CCDM 16147+3352 D is TYC 2583-1900-1
G124	CCDM lists three other components (CCDM 04155+0612 C,D,E), but these are not associated, CCDM 04155+0612 C is PPM 147359 (this is very bright in 2MASS), CCDM 04155+0612 D is PPM 147360 (this is TDSC 8986 E), CCDM 04155+0612 E is PPM 147356
F001	Procyon has DA white dwarf secondary (GJ 280 B), CCDM 07393+0514 C,D,E are not associated, CCDM 07393+0514 C is 2MASS 07392181+0516077, CCDM 07393+0514 D is not in 2MASS PSC, but has three entries in 2MASS Survey Point Source Reject Table , CCDM 07393+0514 E is TYC 187-804-1
F002	Spectroscopic binary (SBC9 1058). CCDM lists two wide secondaries (CCDM 18211+7245 B,C), but these are not associated, CCDM 18211+7245 B is TYC 4437-465-1, CCDM 18211+7245 C is 2MASS 18210058+7246592
F003	CCDM lists a secondary (CCDM 04499+0657 B), but this is not associated CCDM 04499+0657 B is TYC 96-137-1
F006	CCDM lists a third component (CCDM 05445-2226 C) but this is not associated

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Table 8. Notes for specific systems (continued)

UNS ID	Note
	CCDM 05445-2226 C is CPD -22 883, 2MASS 05442769-2223272, ρ, θ in CCDM are suspect
F008	CCDM lists a secondary (CCDM 03091+4936 B), but this is not associated
	CCDM 03091+4936 B is visible in 2MASS images, but is flagged as a persistence artifact
F009	CCDM lists two wide secondaries (CCDM 11507+0146 B,C), but these are not associated
	CCDM 11507+0146 B is 2MASS 11502130+0147182, CCDM 11507+0146 C is HD 102959
F010	CCDM lists a third component (CCDM 02441+4913 C) but this is not associated
	CCDM 02441+4913 C is 2MASS 02440341+4912590
F011	CCDM lists two wide secondaries (CCDM 15564+1540 B,C), but these are not associated
	CCDM 15564+1540 B is TYC 1496-1100-1, CCDM 15564+1540 C is 2MASS 15561847+1541093
F013	CCDM lists a secondary (CCDM 22070+2520 B), but this is not associated
	CCDM 22070+2520 B is TYC 2208-1501-1
F014	CCDM lists two wide secondaries (CCDM 12417-0127 C,D), but these are not associated
	CCDM 12417-0127 C is 2MASS 12414474-0127468, CCDM 12417-0127 D is visble in 2MASS images,
	but is not in the 2MASS PSC
F015	CCDM lists two wide secondaries (CCDM 21470-1607 B,C), but these are not associated
	CCDM 21470-1607 B is not in 2MASS PSC, but has 3 entries in 2MASS Survey Point Source Reject Table,
	CCDM 21470-1607 C is 2MASS 21465364-1606114
F017	CCDM lists a secondary (CCDM 15551-6326 B), but this has only been observed once and is not seen in
	2MASS images. 2MASS images show two very bright objects near this star (2MASS 15544842-6323328,
	2MASS 15544492-6326284), but these are much less bright in visible images - obscured background objects?.
F019	Secondary component (GJ 354 B) has $V \sim 14$, $\rho \sim 4''$. Primary is not a spectroscopic binary
F020	CCDM lists two wide secondaries (CCDM 01367+4125 B,C), but these are not associated,
	CCDM 01367+4125 B is 01365706+4123423, CCDM 01367+4125 C is TYC 2822-2067-1
F021	CCDM lists a secondary (CCDM 23399+0538 B), but this is not associated,
	CCDM CCDM 23399+0538 B is 2MASS 23395050+0538414
F025	CCDM lists another component (CCDM 05244+1723 B, HD 243294), but this is not associated
F029	CCDM lists four other components (CCDM 18570+3254 C,D,E,F), but these are not associated,
	CCDM 18570+3254 C is 2MASS 18565628+3254324, CCDM 18570+3254 D is 2MASS 18565948+3252442,
	CCDM 18570+3254 E is 2MASS 18565517+3255345, CCDM 18570+3254 F is 2MASS 18570853+3254207
F035	CCDM lists a secondary (CCDM 19254+0307 B), but this is not associated,
	CCDM 19254+0307 B is 2MASS 19252106+0306452
F037	CCDM lists a third component (CCDM 18071+3034 C), but this is not associated,
	CCDM 18071+3034 C is 2MASS 18070796+3034331
F039	CCDM lists two wide secondaries (CCDM 14347+2945 B,C), but these are not associated
	CCDM 14347+2945 B is TYC 2021-709-1, CCDM 14347+2945 C is TYC 2021-991-1
F040	CCDM lists three other components (CCDM 09007+4147 C,D,E), but these are not associated,
	CCDM 09007+4147 C is TYC 2986-284-1, CCDM 09007+4147 D is BD +42 1955,
	CCDM 09007+4147 E is probably TYC 2986-1082-1 although it is off by $40''$ in declination
F041	Secondary (GJ 294 B, CCDM 07578-6018 B,C) is marginally resolved in 2MASS images
F043	CCDM lists a third component (CCDM 22467+1211 C), but this is not associated,
	CCDM 22467+1211 C is 2MASS 22464282+1213188
F044	CCDM lists a secondary (CCDM 06467+4335 B, BD +43 1596), but this is not associated
F048	Primary (HD 81997) is a spectroscopic binary (SBC9 2549), GJ 348 B is seperated $65.7''$ from the primary
F049	Marginally resolved in 2MASS images
F055	CCDM lists a third component (CCDM 13100+1732 C), but this is not associated,
	CCDM 13100+1732 C is 2MASS 13095776+1733113
F057	Marginally resolved in 2MASS images
F058	CCDM lists two other components (CCDM 07290+3147 C,D), but these are not associated,
	CCDM 07290+3147 C is TYC 2452-1-1, CCDM 07290+3147 D is 2MASS 07284191+3148033
F059	CCDM lists a third component (CCDM 14190-2549 C), but this is not associated,
	CCDM 14190-2549 C is 14190635-2549335
F060	Marginally resolved in 2MASS images
F065	Not resolved in 2MASS images, CCDM lists a third component (CCDM 19364+5013 C), but this is not
	associated, CCDM 19364+5013 C is not in the 2MASS PSC, but it is in the Point Source Reject Table
F066	Spectroscopic binary (SBC9 1290), CCDM lists a third component (CCDM 21145+1001 C, AGK +09 2950),
	but this is not associated
F067	Spectroscopic binary (SBC9 442), marginally resolved in 2MASS images
F068	CCDM lists four other components (CCDM 00531+6107 B,C,D,E), but these are not associated,
	CCDM has wrong sign of pmRA for primary. CCDM 00531+6107 B+C is 2MASS 00530767+6105053,
	CCDM 00531+6107 D is 2MASS 00531259+6105583, CCDM 00531+6107 E is 2MASS 00531622+6108539,
	WDS has wrong 'sep1' value of $193.2''$ for D component - it should be $93.2''$ at that epoch (1922)
F072	Secondary (GJ 768.1 B) is CCDM 19510+1025 C, not CCDM 19510+1025 B,
	CCDM 19510+1025 B is 2MASS 19510058+1024488, CCDM 19510+1025 C is 19510068+1024400

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Table 8. Notes for specific systems (continued)

UNS ID	Note
F073	CCDM lists four other components (CCDM 18457+2033 B,C,P,Q), but these are not associated, CCDM 18457+2033 B is 2MASS 18454306+2033228, CCDM 18457+2033 C is 2MASS 18454414+2033250, CCDM 18457+2033 P is just visible in 2MASS images but is not in th PSC, CCDM 18457+2033 Q is 2MASS 18454068+2033437
F074	CCDM lists two other components (CCDM 06165+1216 B,C), but these are not associated, CCDM 06165+1216 B is 2MASS 06162684+1215487, CCDM 06165+1216 C is HD 254377
F076	CCDM lists two other components (CCDM 15074+2453 B,C), but these are not associated, CCDM 15074+2453 B is 2MASS 15072317+2453263, CCDM 15074+2453 C is GJ 579
F078	CCDM lists a secondary (CCDM 12068-6437 B), but this is not associated, CCDM 12068-6437 B is 2MASS 12064641-6436255
F079	Existence of GJ 818.1 B is considered questioable in CNS3 and WDS
F081	GJ 174.1 B is clearly visble in 2MASS images and has 11 entries in the Point Source Reject Table, but it is not in the PSC
F082	CCDM lists two other components (CCDM 07299+4941 B,C), but these are not associated, CCDM 07299+4941 B is TYC 3401-1447-1, CCDM 07299+4941 C is 2MASS 07294539+4940395
F083	Third component (GJ 822.1 C) is CCDM 21148+3803 Q not CCDM 21148+3803 C, CCDM lists three other components (CCDM 21148+3803 C,D,P), but these are not associated, CCDM 21148+3803 C is 2MASS 21144444+3801471, CCDM 21148+3803 D is BD +37 4237, CCDM 21148+3803 P is 2MASS 21144049+3802277
F084	Marginally resolved in 2MASS images, CCDM lists a third component (CCDM 09105+6707 C, HIP 45064), but this is not associated
F086	CCDM lists a secondary (CCDM 23167+5313 B), but this is not associated, CCMD 23167+5313 B is 2MASS 23163210+5314431
F089	CCDM lists three other components (CCDM 06148+1909 B,C,D), but these are not associated, CCDM 06148+1909 B is 2MASS 06145073+1909131, CCDM 06148+1909 C is 2MASS 06144566+1909143, CCDM 06148+1909 D is 2MASS 06144614+1909349
F090	CCDM lists two other components (CCDM 05227+7913 B,C), but these are not associated, CCDM 05227+7913 B is BD +79 168, CCDM 05227+7913 C is BD +79 167, CCDM θ (and WDS pa1) for CCDM 05227+7913 C is incorrect by 180°. WDS also has mag1,mag2 fields reversed
F091	CCDM lists another two components (CCDM 04075+3803 C+D, HD 25866), but these are not associated,
F092	CCDM lists a third component (CCDM 00352-0336 C), but this is not associated, CCDM 00352-0336 C is 2MASS 00351387-0335147
F094	This system is in a very crowded area. CCDM lists four other components (CCDM 19465+3343 C, CCDM 19456+3336 C,D,E), but these are not associated, CCDM 19465+3343 C is HD 225744, comparison of POSS-I and 2MASS images shows no common proper motion companions within 2′ of GJ 765.4 A+B
F104	CCDM lists a secondary (CCDM 10314-5343 B, SAO 238148), but this is not associated
F106	CCDM lists three other components (CCDM 21442+2845 C,D,E), but these are not associated, CCDM 21442+2845 C is 2MASS 21440333+2844580, CCDM 21442+2845 D is HD 206874, CCDM 21442+2845 E is 2MASS 21441793+2846578
F107	Spectroscopic binary (SBC9 1477) with well determined orbit
F108	CCDM lists a secondary (CCDM 12152-1019 B), but this is not associated, CCDM 12152-1019 B is 2MASS 12151329-1018300
F110	Marginally resolved in 2MASS images
F112	Marginally resolved in 2MASS images
F114	CCDM lists a secondary (CCDM 18138+6424 B), but this is not associated, CCDM 18138+6424 B is TYC 4209-1432-1
F115	CCDM lists two other components (CCDM 17420+7209 C,D), but these are not associated, CCDM 17420+7209 C is 2MASS 17421275+7208319, CCDM 17420+7209 D is 2MASS 17421750+7209374
F116	Secondary component (CCDM 18197-6353 B) is 2MASS 18193998-6353040
F118	CCDM lists a secondary (CCDM 17369+6845 B), but this is not associated, CCDM 17369+6845 B is 2MASS 17364375+6845078
F120	CCDM lists three other components (CCDM 11387+4506 C,D,E), but these are not associated, CCDM 11387+4506 C is BD +45 1948, CCDM 11387+4506 D is 2MASS 11384197+4507269, CCDM 11387+4506 E is HD 101319
F124	CCDM lists two other components (CCDM 00490+1656 B,C), but these are not associated, CCDM 00490+1656 B is 2MASS 00485577+1657382, CCDM 00490+1656 C is 2MASS 00490009+1655257
F128	CCDM lists a third component (CCDM 09315+6303 C), but this is not associated, CCDM 09315+6303 C is 2MASS 09311960+6302368
F130	Spectroscopic binary (SBC9 135)
A001	CCDM and WDS list a third component (CCDM 06451-1643 C) orbiting Sirius B, but this is not well confirmed, and is not included here. CCDM lists a wide secondary (CCDM 06451-1643 D), but this is not associated, CCDM 06451-1643 D is visible in 2MASS images (06 45 11.72 -16 41 48.7) but is not in the PSC

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Table 8. Notes for specific systems (continued)

UNS ID	Note
A002	Altair is included in DEBRIS despite just missing confusion cut (1.24 vs. 1.20 mJy/beam), CCDM lists two other components (CCDM 19508+0852 B,C), but these are not associated, CCDM 19508+0852 B is 2MASS 19503473+0853019, CCDM 19508+0852 C is 2MASS 19505953+0851129 (ρ in CCDM is slightly too large)
A003	Vega is not included in DEBRIS, as it is being observed by a Guaranteed Time project, CCDM lists four other components (CCDM 18369+3847 B,C,D,E), but these are not associated, CCDM 18369+3847 B is PPM 81557 and is visible in 2MASS images, but is flagged as a persistence artifact, CCDM 18369+3847 C is clearly visible in 2MASS images (18 36 50.24 +38 46 44.6), but is not in the PSC, CCDM 18369+3847 D is clearly visible in 2MASS images (18 36 51.52 +38 47 10.7), but is not in the PSC, CCDM 18369+3847 E is 2MASS 18370125+3848126
A004	Fomalhaut is not included in DEBRIS, as it is being observed by a Guaranteed Time project
A005	CCDM lists three other components (CCDM 11490+1433 B,C,D), but these are not associated, CCDM 11490+1433 B has only been reported once in 1898, and is not seen in 2MASS images CCDM 11490+1433 C is 2MASS 11490608+1435497 CCDM 11490+1433 D is BD +15 2382
A006	HD 60179 and HD 60178 are both spectroscopic binaries (SBC9 462, SBC9 461), CCDM lists another component (CCDM 07346+3153 D, BD +32 1580), but this is not associated
A007	Quadruple system, A component is a spectroscopic binary (SBC9 543), B+C pair orbits this
A009	CCDM lists three other components (CCDM 21186+6236 B,C,D), but these are not associated, CCDM 21186+6236 B is TYC 4252-1354-1, CCDM 21186+6236 C is 2MASS 21184438+6237559, CCDM 21186+6236 D is 2MASS 21184478+6237553
A011	CCDM lists two other components (CCDM 11141+2032 B,C), but these are not associated, CCDM 11141+2032 B is TYC 1439-1307-1, CCDM 11141+2032 C is 2MASS 11141002+2032493
A012	Spectroscopic binary (SBC9 98)
A018	Eclipsing binary, spectroscopic binary (SBC9 850)
A019	Possible spectroscopic binary, but secondary is not CCDM 17151+2451 B, WDS uses Aa,Ab for primary and secondary, CCDM lists three other components (CCDM 17151+2451 B,C,D), but these are not associated, CCDM 17151+2451 B is clearly visible in 2MASS images (17 15 01.10 +24 50 23.0), but is not in the PSC, CCDM 17151+2451 C is TYC 2065-1436-1, CCDM 17151+2451 D is TYC 2065-1223-1
A020	HD 130819 is a spectroscopic binary (SBC9 2554), CCDM lists a third component (CCDM 14508-1602 C), but this is not associated, CCDM 14508-1602 C is 2MASS 14503484-1600518
A025	HD 74956 is an eclipsing binary (Aa+Ab components), GJ 321.3 B orbits this, CCDM and CNS3 list two other components (GJ 321.3 C,D), but these are not associated. GJ 321.3 C does appear to have proper motion in the direction of HD 74956 but of a lesser magnitude, spectral type of G8 V for GJ 321.3 C is also too early for its V magnitude at the distance of this system, GJ 321.3 D appears to have negligeable proper motion
A026	CCDM lists two other components (CCDM 12155+5702 B,C), but these are not associated, CCDM 12155+5702 B is TYC 3837-884-1, CCDM 12155+5702 C is TYC 3837-771-1
A027	Spectroscopic binary (SBC9 366), CCDM lists two other components (CCDM 05596+4457 B,P), but these are not associated, CCDM 05596+4457 B is TYC 2924-178-1, CCDM 05596+4457 P is visible in 2MASS images (05 59 32.20 +44 56 38.5) but is not in the PSC
A028	Mizar A is a spectroscopic binary (HD 116656 + CCDM 13240+5456 B). Mizar B is HD 116657, Alcor is HD 116842
A029	Secondary component (CCDM 11249-1741 B) marginally resolved in 2MASS images
A030	Secondary component (CCDM 19055+1352 B) marginally resolved in 2MASS images, CCDM lists a third component CCDM 19055+1352 C, CCDM 19055+1352 C is 2MASS 19053531+1352283, comparison of POSS-I, POSS-II and 2MASS images shows CCDM 19055+1352 C to have $\mu_{\alpha^*} = 37$ mas/yr, $\mu_\delta = -66$ mas/yr, which is not sufficiently similar to be considered associated with this system
A033	Spectroscopic binary (SBC9 143), CCDM lists a third component (CCDM 02449+1007 C), but this is not associated, CCDM 02449+1007 C is 2MASS 02445353+1009230 (CCDM position is incorrect, but ρ, θ are correct)
A034	HD 165777 may be a close binary (CCDM 18073+0934 A,B), but this is not well confirmed, secondary GJ 9615 B is CCDM 18073+0934 C, CCDM lists another component (CCDM 18073+0934 D), but this is not associated, CCDM 18073+0934 D is 2MASS 18072223+0932504
A036	CCDM lists a third component (CCDM 19026-2953 C), but this is probably not associated, CCDM 19026-2953 C is TYC 6885-2777-1, association is hard to prove due to low proper motions
A037	CCDM lists two other components (CCDM 17104-1544 C,D), but these are not associated, CCDM 17104-1544 C is 2MASS 17102636-1544538, CCDM 17104-1544 D is 2MASS 17101582-1543087, CNS3 has misleading entry of GJ 656.1 BC which seems to include CCDM 17104-1544 C which is 100″ away
A040	CCDM lists a secondary (CCDM 05079-0506 B), but this is not associated, CCDM 05079-0506 B is 2MASS 05075632-0506368
A046	CCDM lists three other components (CCDM 18470+1811 B,C,D), but these are not associated, CCDM 18470+1811 B is 2MASS 18465448+1810007, CCDM 18470+1811 C is BD +18 3820,

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Table 8. Notes for specific systems (continued)

UNS ID	Note
	CCDM 18470+1811 D is TYC 1587-425-1
A047	Secondary (HD 284336) is probably CCDM 04173+2035 B and θ or ρ is incorrect in CCDM
A048	possibly physically related to UNS A053 (HD 125162) with physical seperation ~ 3 pc, CCDM lists a third component (CCDM 14162+5122 C), but this is not associated, CCDM 14162+5122 C is 2MASS 14160870+5120298
A050	HD 209790 is a spectroscopic binary (SBC9 1350), CCDM lists another component (CCDM 22038+6437 C), but this is not associated, CCDM 22038+6437 C is 2MASS 22033972+6436023
A052	HD 159560 is a spectroscopic binary (SBC9 976)
A053	possibly physically related to UNS A048 (HD 125161) with physical seperation ~ 3 pc
A054	CCDM lists a secondary (CCDM 01259+6014 B), but this is not associated, CCDM 01259+6014 B is TYC 4031-1418-1
A058	CCDM lists a secondary (CCDM 22313+5017 B), but this is not associated, CCDM 22313+5017 B is 2MASS 22311302+5017102
A060	Spectroscopic binary (SBC9 410), CCDM lists two other components (CCDM 06377+1624 B,C), but these are not associated, CCDM 06377+1624 B is 2MASS 06373399+1624599, CCDM 06377+1624 C is 2MASS 06373837+1626117
A062	CCDM lists a secondary (CCDM 09368-4921 B), but this is not associated, CCDM 09368-4921 B is 2MASS 09364863-4920595
A064	Spectroscopic binary (SBC9 165)
A065	Spectroscopic binary (SBC9 846)
A066	CCDM lists four other components (CCDM 12021+4304 B,C,D,E), but these are not associated, CCDM 12021+4304 B is HD 104556, CCDM 12021+4304 C is HD 104526, CCDM 12021+4304 D+E is HD 104425
A068	HD 91312 has previously been reported as a spectroscopic binary, but is not included in the SB9 CCDM lists a secondary (CCDM 10332+4026 B), but this is not associated, CCDM 10332+4026 B is not in the 2MASS PSC but is clearly visble in 2MASS images (10 33 13.72 +40 25 49.0)
A070	HD 12111 + TYC 4315-2126-2 are a spectroscopic binary (SBC9 103), CCDM lists a fourth component (CCDM 02020+7054 D), but this is not associated, CCDM 02020+7054 D is clearly visible in 2MASS images (02 02 08.26 +70 54 28.2), but is not in the PSC
A072	CCDM lists two other components (CCDM 04548+1009 B,P), but these are not associated, CCDM 04548+1009 B is HD 31270, CCDM 04548+1009 P is clearly visible in 2MASS images (04 54 53.61 +10 09 47.2), but is not in the PSC
A073	CCDM 02398-4254 B is associated, astrometry in CCDM and 2MASS consistent with proper motion of primary
A075	possible companion 2MASS 04030931+0559056 ($\rho = 16''$), but hard to determine whether it is associated due to very small proper motion of both stars, 2MASS colours are inconsistent with an M-type companion
A080	CCDM lists a secondary (CCDM 19014+4656 B), but this is not associated, CCDM 19014+4656 B is 2MASS 19012205+4656190
A081	A080 and A081 in wrong distance order due to parallax of HD 44770 not originally being incorporated, CCDM lists a third component (CCDM 06237+0436 C), but the proper motion of the system is too low to confirm association
A083	CCDM lists two other components (CCDM 09188+3648 C,D), but these are not associated, CCDM 09188+3648 C is 2MASS 09184662+3647039, CCDM 09188+3648 D is 2MASS 09183624+3647408
A086	Spectroscopic binary (SBC9 111)
A088	CCDM lists a secondary (CCDM 11456-6644 B), but this is not associated, CCDM 11456-6644 B is clearly visible in 2MASS images, but is not in the PSC
A090	CCDM lists three other components (CCDM 00568+3830 B,C,D), but these are not associated, CCDM 00568+3830 B is 2MASS 00564143+3830203, CCDM 00568+3830 C is 2MASS 00564656+3829332, CCDM 00568+3830 D is TYC 2798-502-1
A093	CCDM lists a fourth component (CCDM 12415-4858 C), but this is not associated, CCDM 12415-4858 C is 2MASS 12405680-4904019
A096	CCDM lists a secondary (CCDM 17054+1245 B), but this is not associated, CCDM 17054+1245 B is 2MASS 17051942+1245032
A097	HD 148367 + CCDM 16278-0822 B are a spectroscopic binary (SBC9 904)
A099	CCDM lists a secondary (CCDM 01112+5508 B), but this is not associated, CCDM 01112+5508 B is TYC 3673-1716-1
A100	CCDM lists a secondary (CCDM 20501+4404 B), but this is not associated, CCDM 20501+4404 B is 2MASS 20500889+4404130
A109	Secondary component (CCDM 23489-2808 B) marginally resolved in 2MASS images
A112	CCDM lists a fourth component (CCDM 02292+6725 D, HD 15149), but this is probably not associated
A116	CCDM lists four other components (CCDM 20146+3647 B,C,D,P), but these are not associated, CCDM 20146+3647 B is HD 192661, CCDM 20146+3647 C is TYC 2683-2963-1, CCDM 20146+3647 D is 2MASS 20145534+3643201, CCDM 20146+3647 P is 2MASS 20143042+3648525

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Table 8. Notes for specific systems (continued)

UNS ID	Note
A126	Spectroscopic binary (SBC9 350)
A128	Secondary/tertiary component (CCDM 15503-4524 B+C) marginally resolved from primary in 2MASS images
A129	HD 28545 is a spectroscopic binary (SBC9 251)