Catalogue of averaged stellar effective magnetic fields.

I. Chemically peculiar A and B type stars

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Abstract.
This paper presents the catalogue and the method of determination of averaged quadratic effective magnetic fields \( \langle B_e \rangle \) for 596 main sequence and giant stars. The catalogue is based on measurements of the stellar effective (or mean longitudinal) magnetic field strengths \( B_e \), which were compiled from the existing literature.

We analysed the properties of 352 chemically peculiar A and B stars in the catalogue, including Am, ApSi, He-weak, He-rich, HgMn, ApSrCrEu, and all ApSr type stars. We have found that the number distribution of all chemically peculiar (CP) stars vs. averaged magnetic field strength is described by a decreasing exponential function. Relations of this type hold also for stars of all the analysed subclasses of chemical peculiarity. The exponential form of the above distribution function can break down below about 100 G, the latter value representing approximately the resolution of our analysis for A type stars.

Key words. Stars: magnetic fields – Stars: fundamental parameters

1. Introduction
Research on stellar magnetic fields is among the most important issues in both observational and theoretical astrophysics. The first measurements of magnetic fields in stars were done more than 50 years ago (Babcock & Burd 1952). From that time, both the number of magnetic field measurements and the number of investigated stars have grown enormously. Therefore we decided to collect and present in some homogeneous form all the published magnetic field measurements. We have also attempted to analyse these preprocessed observational data.

Similar efforts have been made previously, but were based on much less numerous sets of measurements (Brown et al. 1981; Borra et al. 1983; Glagolevskij et al. 1986; Bychkov 1990; Bychkov et al. 1990). The above compilations have been essential for our understanding of the magnetic field strength and structure in stellar atmospheres, and their generation and time evolution in stellar interiors. Taking into account the large increase of the accumulated observational material, we believe that analogous new research of this kind is necessary and fully justified.

The catalog and analyses presented below do not include either isolated degenerate stars (cooling neutron stars and most white dwarfs), or degenerate stars in interacting binaries. Only a few of the brightest white dwarfs are present in the catalog.

2. Averaging of stellar effective magnetic fields
The differential contribution \( dB_e \) to the effective magnetic field of a star is defined as the area-weighted projection of the local vector of the magnetic field \( B_{loc} \) onto the line of sight. The local monochromatic intensity \( I_\nu \) of outgoing radiation is also a weighting factor in that projection. The effective (or mean longitudinal) magnetic field \( B_e \) is the weighted mean value, integrated over the visible stellar disc

\[
B_e = \frac{\int_0^{2\pi/2} \int_0^{\pi/2} B_{loc} \cos \gamma I_\nu(\theta) \sin \theta \cos \theta \, d\theta \, d\phi}{\int_0^{2\pi/2} \int_0^{\pi/2} I_\nu(\theta) \sin \theta \cos \theta \, d\theta \, d\phi},
\]

where \( \gamma \) denotes the angle between the local vector \( B_{loc} \) and the direction towards the observer. The variable \( \theta \) denotes the colatitude angle, and \( \phi \) stands for the azimuthal angle of the angular integration. The above definition assumes a simplified situation, in which the \( B_e \) is determined at a single discrete frequency only (Madej 1983).

In general, the specific intensity of radiation \( I_\nu(\theta) \) depends strongly on the frequency of radiation \( \nu \), and exhibits various
limb-darkening relations for different vs. Therefore the value of the effective magnetic field \( B_e \) is also a frequency dependent quantity, when measured for the given magnetic field configuration of a star.

The dependence of \( B_e \) on frequency, or on the finite range of frequencies in which measurements were done, has always been ignored in earlier papers, which are collected and analysed here. Therefore also in this paper we do not distinguish \( B_e \) values measured in the wings of the hydrogen Balmer lines, or elsewhere in the optical spectra of stars.

In most magnetic stars the values of \( B_e \) change periodically with the rotational phase of the star. Values of \( B_e \) can be either positive or negative. Moreover, it is possible that a star with strong magnetic field can momentarily exhibit \( B_e = 0 \), depending on the aspect. Therefore it is useful to characterize the magnetic properties of various stars by the averaged quadratic effective magnetic field \( \langle B_e \rangle \), which is always positive (Borra et al. 1983).

For a series of \( B_e \) measurements, we define

\[ \langle B_e \rangle = \left( \frac{1}{n} \sum_{i=1}^{n} B_{ei}^2 \right)^{1/2}, \]  

where \( B_{ei} \) denotes the i-th measurement of the effective magnetic field, and \( n \) is the total number of observations for a given star. The variable \( \sigma_{ei} \) is the standard error of \( B_{ei} \), and \( \langle \sigma_{ei} \rangle \) is the rms standard error of \( \langle B_e \rangle \).

The value of \( \chi^2/n \) (given per single degree of freedom) allows one to judge whether a series of \( B_{ei} \) for a given star represents a reliable detection of a nonzero effective magnetic field, or whether this series is rather the result of random noise

\[ \chi^2/n = \frac{1}{n} \sum_{i=1}^{n} \frac{B_{ei}^2}{\sigma_{ei}^2}. \]  

This method for averaging the individual \( B_e \) measurements of a magnetic star was introduced by Borra et al. (1983), to study magnetic properties of He-weak stars. This evaluation of \( \langle B_e \rangle \) is particularly useful to study stars with few or high noise \( B_e \) observations, where full magnetic curves cannot yet be constructed.

Borra et al. (1983) have pointed out that the value of \( \langle B_e \rangle \) gives an estimate of the amplitude of the \( B_e \) variations of a given star, provided that this amplitude is substantially larger than \( \langle \sigma_{ei} \rangle \).

3. Description of the tables

Descriptions of stars and the available magnetic field data about each are included in a series of 10 tables. The basic and most extensive Table A.1, included in Appendix A, presents the full listing of stars for which we performed computations of the quadratic \( \langle B_e \rangle \) averages. For convenience, these stars are ordered according to their HD number. Successive rows of Table A.1 give: HD number (or BD number in case of faint stars), spectral type, number \( N \) of magnetic observations, value of \( \langle B_e \rangle \) in G, standard deviation \( \sigma \) in G, value of \( \chi^2/n \), method of \( B_e \) determination (abbreviations are explained at the bottom of Table A.1), and numbers referring to papers where we found the original magnetic field measurements. Cross-references between these numbers and the original papers are also given at the bottom of Table A.1.

Table A.1 contains magnetic data on a total of 596 stars of various spectral types. One can easily see that in the case of many stars listed there, the value of \( \langle B_e \rangle \) is approximately equal or smaller than \( \langle \sigma_{ei} \rangle \), which usually means that detection of the magnetic field itself highly uncertain.

Table 1 summarizes our results on the distribution of averaged effective magnetic fields in Ap type stars of various subclasses. In this table, the number \( N \) in the second column displays the number of stars of a given peculiarity type in our sample.

One should note that some CP stars exhibit more than one type of chemical peculiarity simultaneously. For example, it is a well known observational fact that some Si-type stars appear also as He-weak stars, etc. When this happened, we have included such ambiguous stars in both samples. Consequently, the sum of all Ap stars (352) is lower than the number of stars summed over all particular types of peculiarity in Table 1.

Tables 2–9, which are put in the main body of the paper, present lists of the 352 Ap stars of the sample distributed into various types of spectral peculiarity. The tables present individual stars and give for each of them: HD number, HR number, name of the star (or BD number), and spectral type including the type of peculiarity. No magnetic field data are listed here.

Due to enormous complexity of Sr-like chemical peculiarities which have been identified in some Ap stars, we have attempted to separate 136 stars which exhibit essentially only the SrCrEu spectral type. These stars are listed in Table 8. Complementing this table, Table 9 presents list of the other 43 Sr-type stars which exhibit SrCrEu type mixed with other peculiarities. The logical sum of Tables 8 and 9 forms the class “Sr all”, which contains 179 stars and is a single entry in Table 1.

The stars listed in Tables 2–9 are exactly the objects which were used to construct Figures 1–9, and to obtain number distribution functions of the averaged quadratic magnetic fields \( \langle B_e \rangle \) for each types of peculiarity considered among the A type stars on the main sequence.

3.1. Reevaluation of \( \langle B_e \rangle \) errors

For many years observers have always estimated the standard error of effective magnetic field measurements. However, some early papers tabulated probable errors of \( B_e \), which should be transformed to standard errors to ensure their compatibility.

Moreover, some of the early \( \langle B_e \rangle \) measurements have unrealistically small standard errors of the order of a few tens of G. This comment refers mostly to photographic magnetic field observations; see papers by Babcock et al. in the list of references, for example.

An independent error estimate of published \( B_e \) determinations can be obtained by one of the following methods.
1. Consider a star with no apparent $B_e$ variations. In the case where we have a sufficiently large set of $B_e$ measurements, we can simply determine the mean $(B_e)$ value and the error of a single $B_e$ measurement in the standard manner.

2. If the magnetic field $B_e$ varies with time, and the parameters of phase variability are unknown, then we can estimate the $(B_e)$ and the upper limit of error of a single measurement in the same standard way. In this case the observed scatter of individual $B_e$ observations include both real errors plus the unknown magnetic field variability. The lower the contribution of $B_e$ variability is to the scatter, the more realistic the error estimates are.

3. If the magnetic field varies with time, and if the parameters of (periodic) phase variability are known, then we simply determine the mean $B_e(\phi)$ phase curve and compute the predicted magnetic field strength corresponding to each observed point. Finally, we determine the error of single measurement as was done in paragraph 1.

The general considerations presented above should be supplemented by the following comments:

4. The averaged value of the effective field, $(B_e)$, significantly depends on the choice of useful spectral lines. This is particularly important for early observations, since then analysing instruments worked in narrow spectral windows (200-300 Å), and the number of lines used for the $B_e$ determination was very small.

5. The best average $B_e(\phi)$ curves were obtained analysing Zeeman splitting of the Balmer lines. However, $B_e$ measurements obtained from Balmer lines and metallic lines can differ substantially due to the well-known effect of inhomogeneous distribution of elements over the surface of a magnetic star.

6. The accuracy of $B_e$ measurements depends not only on the particular set of spectral lines and their total number, but also on the apparent rotational broadening, i.e. on $v\sin i$. Rotational broadening of lines strongly influences the accuracy.

In order to obtain reliable error estimates of older $B_e$ measurements, we have selected 21 stars observed by the following authors: H.W. Babcock, G.W. Preston, S.C. Wolff, and W.K. Bonsack. Those stars were not necessarily observed by all four of them. We also took into account papers in which they were present in the author’s list (cf. Bibliography in this paper).

The set of 21 stars consists of (HD numbers): 9996, 18296, 24712, 32633, 62140, 65339, 71866, 74521, 112413, 118022, 125248, 133029, 137909, 152107, 153882, 168733, 175362, 187474, 188041, 196502, 201601, and 215441. For all of them we have projected rotational velocities $v\sin i$ are known. Numerous $B_e$ determinations for these stars were obtained both with the “old” photographic technique, and with new high-accuracy methods. Details of our error calibrations of the earliest measurements, we have selected 21 stars observed by the following authors: H.W. Babcock, G.W. Preston, S.C. Wolff, and W.K. Bonsack. Those stars were not necessarily observed by all four of them. We also took into account papers in which they were present in the author’s list (cf. Bibliography in this paper).

4. Distribution of averaged effective magnetic fields

Let us substitute $B = (B_e)$ for brevity. From the data collected in Table A.1 and in Tables 2–9 we have constructed two types of relations. They display the dependence of the number distribution function $N(B)$, and its integral over $B$, on the average effective magnetic field $B$ of the A type stars.

Quantity $N(B) dB$ gives the number of stars in a given group having the average quadratic effective magnetic field $B$ in the range $[B, B + dB]$.

4.1. Integrated distribution function

We define the integrated distribution function as

$$N_{\text{int}}(B) = N_{\text{tot}} - \int_{0}^{B} N(B') dB',$$

where $N_{\text{tot}}$ denotes the total number of stars belonging to that group.

We have investigated separately $N(B)$ for Am, He-weak, He-rich, Si, HgMn, SrCrEu, all Sr-type, and all stars displaying Hg or Mn. Discussion of the distribution function for stars of other spectral types has been deferred to the following papers.

For a given subclass of stars, we have divided the range of the quadratic averaged magnetic field $(B_e)$ from zero to the maximum field in this group into up to 40 bins of equal length (80 bins for Si stars), and counted the number of stars in each bin. Figures 1–9 display the relation between the discrete $(B_e)$ and the summed number of stars located in higher bins, expressed in percent of the total number of stars in that peculiar-ity class. Such a relation represents the integrated distribution function $N_{\text{int}}(B)$, and describes the probability that upon investigating a new star of this chemical peculiarity, its $(B_e)$ will be higher than the value of $B$. That relation is given by series of dots in the Figures.

Figures 1–9 demonstrate the striking rule, that all the corresponding functions $N_{\text{int}}(B)$ are well approximated by the exponential function, normalized to unity at $B = 0$

$$N_{\text{int}}(B)/N_{\text{tot}} = \frac{a_1}{100\%} \exp(-B/a_2).$$

Coefficients $a_1$ (in %) and $a_2$ (in G) depend on the class of chemical peculiarity.

Columns 3–4 of Table 1 present the best fit coefficients $a_1$ and $a_2$ for all the analysed subclasses. The last three columns
Table 1. Best fit parameters

| Peculiarity | N  | $a_1$ (%) | $a_2$ (G) | 30% | 50% | 70% |
|------------|----|-----------|-----------|-----|-----|-----|
| all Ap     | 352| 97.2      | 789.2     | 928 | 525 | 259 |
| Sr all     | 167| 106.9     | 1081.2    | 1360| 819 | 448 |
| Sr only    | 126| 108.6     | 1018.1    | 1310| 790 | 447 |
| Am         | 44 | 95.3      | 110.5     | 127 | 71  | 34  |
| He-rich    | 19 | 97.2      | 916.1     | 1080| 609 | 301 |
| He-weak    | 60 | 116.0     | 717.9     | 970 | 604 | 363 |
| Hg & Mn    | 39 | 74.9      | 515.7     | 471 | 208 | 34  |
| HgMn only  | 19 | 75.2      | 350.1     | 322 | 143 | 25  |
| Si         | 159| 102.0     | 906.1     | 1110| 646 | 341 |

a Some of the stars exhibit few different peculiarity types simultaneously, and they are counted in more than one row of Table 1.

4.2. The distribution function

The distribution function can immediately be obtained from $N_{\text{int}}$ by the relation

$$N(B) = \frac{dN_{\text{int}}}{dB}.$$  \hspace{1cm} (7)

The function $N(B)$ is therefore also an exponential function with the above analytic approximation

$$N(B) = N_{\text{int}} \frac{a_1}{100\%} a_2^{-1} \exp(-B/a_2).$$  \hspace{1cm} (8)

If one attempts to construct the distribution function in direct way, based on the tabulated data, then this function would exhibit serious noise due to the limited number of data points.

One should note that the above exponential dependence has been determined using a resolution $\Delta B \approx 100$ G only, which corresponds to average size of single bin in Figs. 1–9. This implies that with our method of figure construction, we cannot say anything about the shape of the distribution function in the region of the weakest magnetic fields $B$ below $\approx 100$ G. Note that the value of $\Delta B$ resolution mentioned above is averaged over all spectral subclasses, in fact, it is in the range $\Delta B = 25 - 200$ G (see the Figures).

It is important to stress here, that we have set the total number of stars of a given subtype $N_{\text{int}}$ to 100%, no matter whether the given stars had detectable magnetic fields or not.

4.3. Distortion of the distribution functions

The referee pointed out that our $\langle B_e \rangle$ and $\langle \sigma_e \rangle$ statistics, and the distribution functions $N_{\text{int}}$ presented in this paper, can be distorted due to the following reasons.

1. Errors of $B_e$ measurements taken by different observers and techniques sometimes strongly differ. In such case average values of $\langle B_e \rangle$ and $\langle \sigma_e \rangle$ in Table A.1 can be inflated by few very inaccurate measurements with large individual $\sigma_e$, cf. Eqs 2–3. This is particularly important for stars with weak magnetic fields, for which the number of available $B_e$ observations is small (e.g. the Am star 68 Tau).

   The most accurate $B_e$ measurements should weight mostly when computing averages $\langle B_e \rangle$ and $\langle \sigma_e \rangle$. However, Eqs 2–3 defined by Borra et al. (1983) assign the same weight of unity to all $B_e$ measurements; i.e. their $\langle B_e \rangle$ and $\langle \sigma_e \rangle$ statistics are most meaningful when they resulted from data with comparable errors. In the present paper we follow strictly the above definitions, Eqs 2–3, and did not alter them in any way e.g. by eliminating $B_e$ data of outstanding $\sigma_e$ errors.

2. The above effect implies also, that the distributions of $N_{\text{int}}$ are certainly distorted by inclusion of stars for which $\langle B_e \rangle$
4.4. Low magnetic fields

One can easily see that the distribution function $N(B)$ exhibits a significant drop of the averaged quadratic field at the limit $B \to 0$. Such behaviour can be seen for almost all of investigated classes of chemical peculiarities, with the exception of Am stars only. The origin of this behaviour of the directly measured $N(B)$ cannot be explained with full confidence. On one hand, the numbers of star counts in $B$ bins in Figures 1–9 is very low, and therefore strong random fluctuations are very likely. On the other hand, we believe that such asymptotic drops of $N(B)$ are rather due to random errors of the directly measured effective magnetic fields $B_e$. The quadratic average of errors $\Delta B_e$ is not likely to approach 0 G, particularly for poorer observations, and it is comparable with the width of a bin. Therefore a low number of stars with quadratic field $B \approx 0$ represents just some type of statistical selection effect.

As was pointed out by the referee, the observational data analysed here for magnetic star classes probably exhibit a deficiency of stars with low magnetic fields. This is because observers frequently were not interested in observing stars in which the intrinsic magnetic field appeared to be small, and stars with stronger fields were always favoured. Such a personal bias certainly distorts the observed distributions $N_{int}$ in each subclass of A type stars, which are convolutions of intrinsic distributions with an “observer interest” distribution.
effect is very difficult, if not impossible, to correct in general. We believe, however, that the effect influences counts \( N_{\text{int}} \) only in the lowest bins of our histograms, which are underpopulated also due to reasons discussed in the previous paragraph.

The above selection effect started from the earliest observations by H.W. Babcock, who first identified strong magnetic fields in Ap stars after many unsuccessful attempts. Indeed, stellar magnetic data sets now available exhibit a strong tendency to present stars with strong or even extreme fields. This selection effect can be avoided only when measuring a “canonical” distribution of the magnetic fields for all stars in a fixed volume of space. We are aware that there exists general understanding of this problem, and that there are observational projects of this type in progress.

The amount of necessary observational effort is very large, and it will take years to complete. Our paper, however, was prepared taking into account all existing \( B_e \) measurements disregarding the observational selection.

5. Comments on CP classification

Classification of chemically peculiar stars represents a very complex problem. Commonly adopted criteria of classification rely on the presence of particular elements or groups of elements in the spectra of Ap stars. Such observables represent only the surface properties of the magnetic field configuration of a star, and the resulting surface chemical anomalies. The resulting classification of Ap stars into subclasses is very complex and not unique, which is also reflected in Table 1 of this paper.

The referee suggested that since the existing classifications of magnetic Ap stars are very inhomogeneous, one could divide them by colour, \((U-B)_0\) for example. Such a choice would give a rough division of Ap stars collected here by mass, which may be a more physically meaningful parameter than the surface peculiarities.

We agree that one should seek for classification criteria among Ap stars which are more physically meaningful than just the apparent surface peculiarities. This will be a subject of our research in the near future. In this paper, however, we adopt spectroscopic classification of chemical peculiarities in various CP stars.

5.1. HgMn stars

The group of HgMn stars exhibits rather inhomogeneous content, similar to the Sr group discussed in previous Sections (cf. Figs 2–3). There exists small group of classical HgMn stars (e.g. \( \iota \) CrB and \( \alpha \) And) for which no really convincing evidence of longitudinal fields is available. There exist also other Ap stars (such as HD 21699 and 79158) which display Hg or Mn along with numerous other peculiarities in their spectra. These subgroups should be investigated separately.

The most actual list of both all HgMn stars and classical HgMn stars (the latter are objects with pure HgMn peculiarity) has been recently published in Adelman et al. (2003).

In the case of HgMn stars we have investigated the distribution functions \( N_{\text{int}} \) for the whole the group (see Fig. 8 and Table 5), and for only the classical HgMn stars (Fig. 9 and Table 6). Fig. 9 clearly shows the well-known fact that the classical HgMn stars have very weak longitudinal magnetic fields. They are substantially different than other Hg or Mn stars, which simultaneously exhibit also other chemical peculiarities. The latter stars exhibit sometimes strong fields \( B_e \).

Fig. 9 shows that only three classical HgMn stars apparently exhibit noticeable magnetic field \( B_e \): HD 172044, HD 210873, and HD 221507. However, in all three cases the accuracy of \( B_e \) observations is relatively low. We speculate that their \( B_e \) reflect essentially errors of measurement, and that high precision \( B_e \) measurements will yield much weaker averaged longitudinal magnetic fields for all HgMn stars.

One should keep in mind that the detailed investigation of various subclasses of chemical peculiarities among CP stars is
limited by the small number of stars in subclasses. For example, there are only 15 classical HgMn stars in our compilation with which to construct Fig. 9 and Table 6.

6. Summary and conclusions

The most important results of this paper can be summarized in the following list:

1. We present an extensive list of the averaged quadratic effective magnetic fields \( \langle B_e \rangle \) for main sequence and giant stars. Individual \( B_e \) observations were compiled from the existing literature, and were further processed to obtain a homogeneous set of averaged effective magnetic fields. We consider our averaged values of \( \langle B_e \rangle \) as a reasonable representative measure of the field strength in the atmosphere of a given star. This is because the value of \( \langle B_e \rangle \) results directly from the observed effective magnetic field strengths \( B_e \) and is a strictly model-independent quantity.

Moreover, it is a single scalar parameter which describes the magnetic field of a star even if the number of individual \( B_e \) is low or the \( B_e \) observations are noisy. In such a case the full curve describing \( B_e(\phi) \) changes with rotational phase \( \phi \) cannot be constructed.

2. We have determined for the first time that the relation between the number of occurrences \( N_{int} \) of the magnetic field higher than a specified \( \langle B_e \rangle \) is given by the decreasing exponential function, at least starting from the minimum value of \( \langle B_e \rangle \approx 100 \) G

\[
N_{int}(\langle B_e \rangle) = N_{tot} \frac{a_1}{100\%} \exp(-\langle B_e \rangle/a_2).
\]

Therefore the number distribution function \( N(\langle B_e \rangle) \) of Ap type stars is also given by a decreasing exponential function. This relations is found to hold for all analysed subclasses: Am, Si, He-weak, He-rich, HgMn, SrCrEu, and all Sr type stars. We determined and listed values of the parameters \( a_1 \) and \( a_2 \) for each subclass, see Table 1.

3. We cannot rule out the possibility, that this exponential relation represents just the tail of the true distribution, with its maximum hidden below \( \langle B_e \rangle \approx 100 \) G. This is because our Figures and fitting curves have limited resolution in the independent variable \( \langle B_e \rangle \), which is limited by the observational errors and limited sample sizes to the width of the average bin, typically of the order of 100 G (in each individual sample the value of the resolution is between 25 G and 200 G).

4. Our results demonstrate that the number distribution of the averaged quadratic effective magnetic fields \( N(\langle B_e \rangle) \) is not similar in any way to tail of the Gaussian distribution, which would be proportional to \( \exp(-\langle B_e \rangle^2/\sigma^2) \).

The analysis presented in this paper is concentrated on the integrated distribution function \( N_{int}(B) \), due to the rather low number of stars available in most chemical peculiarity classes. Still, the function \( N_{int} \) seems relatively smooth in all the subclasses, and is credibly represented by an exponent. However, some small distortions can be easily seen in upper panels of all the Figures 1–9.

The distribution function \( N(B) \) is the first derivative of \( N_{int} \), and obviously all numerical distortions of the latter involve fluctuations of the derivative. This is seen in lower panels of Figures 1–9, in which directly measured distribution functions exhibit serious noise. Therefore the exponential shape of the distribution function \( N(B) \), given in Eq. (8), is just an extrapolation of the smoothed \( N_{int} \), which is not inconsistent with the measured \( N(B) \).

We exclude from the above rule region of the lowest magnetic fields \( B \) of extend comparable with the resolution \( \Delta B \) of our histograms.

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Table 2. List of He-weak stars.

| HD   | HR  | Name      | Sp. type      |
|------|-----|-----------|---------------|
| 4778 | 234 | GO And    | A1 CrSrEu He-w|
| 5737 | 280 | α Scl     | B6p SrTi He-w |
| 19400| 939 | θ Hyi     | B3+V+A0IV He-w|
| 19805|      | PPM45935  | A0 He-w       |
| 21699| 1063| V396 Per  | B8IIp MnSi He-w|
| 22470| 1100| 20 Eri    | B9p Si He-w   |
| 22920| 1121| 22 Eri    | B8p Si4200 He-w|
| 23387|      | PPM92834  | A0 He-w Si    |
| 23408| 1149| 20 Tau    | B8IIp Hg He-w |
| 28843| 1441| DZ Eri    | B5-B9 Si He-w |
| 35298|      | V1156 Ori | B6 He-w       |
| 35456|      | GC 6661   | B7 He-w       |
| 35502|      | BD -2 1241| B6 He-w       |
| 36313|      | V1093 Ori | B8 Si He-w    |
| 36429|      | V1099 Ori | B8 He-w       |
| 36526|      | V1101 Ori | B7 He-w       |
| 36629|      | PPM188166 | B3 He-w       |
| 36668|      | V1107 Ori | B7 Si He-w    |
| 36916|      | V1045 Ori | B8 SiMn He-w  |
| 37043| 1899 | η Ori B   | O9III He-w    |
| 37058|      | V359 Ori  | B3p SrTi He-w |
| 37129|      | PPM188247 | B2.5Vp He-w   |
| 37140|      | V1130 Ori | B8 He-w SiSr  |
| 37151|      | V1179 Ori | B8pSi He-w    |
| 37210|      | V1133 Ori | B8 He-w Si    |
| 37642|      | V1148 Ori | B9 Si He-w    |
| 37807|      | PPM188352 | B4 He-w       |
| 40933| 2509 | 12 CMa    | B7IIp He-w Si |
| 40960| 2519 | 33 Gem    | B7III MnHgSi He-w|
| 51688| 2605 | 40 Gem    | B8III Hg He-w  |
| 79158| 3652 | 36 Lyn    | B9IIIp SrTiMn He-w|
| 10906| 4773 | γ Mus     | B5V He-w      |
| 12070| 5210 | V983 Cen  | B5III He-w    |
| 12582| 5378 | V761 Cen  | B7IIpSi He-w  |
| 13120| 5543 | V1076 Ori | B7IIpSi He-w  |
| 13759|      | NN Aps    | B8pSrCrFe He-w|
| 14031| 5912 | V927 Sco  | B8IIp Si He-w |
| 14288|      | V928 Sco  | B9 Si He-w    |
| 14399| 5942 | V913 Sco  | B6IV He-w     |
| 14423| 5967 | 14 ν Sco  | B8+B9p Si He-w|
| 14434| 5988 | V929 Sco  | B4(8)p Si He-w|
| 14461| 5998 | V1076 Ori | B4(7)IIlp He-w|
| 14484| 6003 | B5(9)IVp Si He-w|
| 14550| 6026 | 14 ν Sco  | B8V+B9p Si He-w|
| 14601| 6054 | 8399      | B6(B7IV) He-w |
| 14819|      | GC 22126  | B9 SiSr He-w  |
| 16237| 6647 | V957 Sco  | B7V He-w      |
| 16873| 6870 | V4050 Sgr | B8p TiSr He-w |
| 17516| 7119 | V686 CrA  | B6IVp SiMn He-w|
| 17536| 7129 | 19 Lyr    | B9p Si He-w   |
| 18256| 7372 | 2 Cyg     | B3IV He-w     |
| 18333| 7401 | 10926     | B8IV Si He-w  |
| 20031|      | BD+43 3786| B9p SiCrHg He-w|
| 20261| 8137 | 30 Cap    | B6(8)III SrTi He-wmn|
| 21245| 8535 | V638 Cas  | B8III SrCrEuHg He-w|
| 21783| 8770 | PPM41495  | Bpe He-w      |
| 21839|      | PPM41495  | Bpe He-w      |
| 22492| 9087 | 29 Psc    | B6(7)III-IV Si He-w|

Table 3. List of He-rich stars.

| HD   | HR  | Name      | Sp. type      |
|------|-----|-----------|---------------|
| 35912| 1820 | B2V He-r  |
| 36430| 1848 | B2V He-r  |
| 36855| 1851 | δ Ori B   |
| 37017| 1890 | B2p He-r  |
| 37479| 1932 | σ Ori E   |
| 37776|      | PPM175998 | B3 He-r      |
| 47777|      | PPM151028 | B2 He-r      |
| 58260|      | PPM283900 | B3 He-r      |
| 60344|      | PPM252646 | B3 He-r      |
| 64740| 3089 | B1.5Vp He-r|
| 93030| 4199 | θ Car     |
| 96446|      | PPM339754 | B2 He-r      |
| 120640| 5206 | B2Vp He-r |
| 133518|      | PPM343417 | B3 He-r      |
| 151346|      | PPM265974 | B4 He-r      |
| 177003| 7210 | B2.5IV He-r|
| 184927|      | PPM83182  | B2 He-r      |
| 186205|      | PPM168470 | B3 He-r      |
| 209339| 8399 | B0IV He-r  |
### Table 4. List of Am-stars.

| HD     | HR   | Name      | Sp. type |
|--------|------|-----------|----------|
| 20210  | 976  | V423 Per  | A1m      |
| 27962  | 1389 | 68 Tau    | A3V Am   |
| 29140  | 1458 | 88 Tau    | A5 Am    |
| 29173  | 1460 | A1m       |          |
| 31295  | 1570 | π1 Ori    | A0V Am   |
| 48915  | 2491 | A1m       | A1Vm     |
| 56495  |      | PPM190112 | Am       |
| 60178  | 2890 | α Gem B   | A2 Vm    |
| 73709  |      | PPM125572 | F2IIIm   |
| 76756  | 3572 | 65 α Cnc  | A5m      |
| 78209  | 3619 | 15 UMa    | A1m      |
| 78362  | 3624 | τ UMa     | F3m      |
| 89021  | 4033 | 33 UMa    | A21 Vm   |
| 90277  | 4090 | 30 LMi    | F2m      |
| 94334  | 4248 | ω UMa     | G5IIIa   |
| 95418  | 4295 | β UMa     | A1Vm     |
| 95608  | 4300 | 60 Leo    | A1m      |
| 97633  | 4359 | 70 θ Leo  | A2m      |
| 104513 | 4594 | DP UMa    | A7m      |
| 108642 | 4750 |          | A7m      |
| 108651 | 4751 | 17 Com B  | A0p Am   |
| 109485 | 4789 | 23 Com    | A0IVm    |
| 110380 | 4826 | γ Vir B   | F0V m    |
| 110951 | 4847 | 32 Vir    | F2m      |
| 112412 | 4914 | α2 CVn    | F3m      |
| 114330 | 4963 | 51 θ Vir  | A11Vs+Am |
| 116657 | 5055 | ζ UMa     | A1m      |
| 123998 | 5303 | η Aps     | A2(m) CrEu|
| 125337 | 5359 | λ Vir     | A2m      |
| 126661 | 5405 | 22 Boo    | F1m      |
| 130841 | 5531 | 9 α2 Lib  | A3-7mA(A3IV) CrSr |
| 141675 | 5887 | F3m      |          |
| 141795 | 5892 | 37 ε Ser  | A7 m     |
| 144197 | 5980 | δ Nor     | A3p (Am) Sr? |
| 159560 | 6555 | ν2 Dra    | F0m      |
| 173648 | 7056 | 6 ε1 Lyr  | A4m      |
| 188728 | 7610 | φ Aql     |          |
| 189849 | 7653 | 15 NT Vul | A4III m  |
| 195479 | 7839 | F2m      |          |
| 198743 | 7990 | 6 μ Aqr   | A3m      |
| 205073 |      | PPM61601 Am|         |
| 207098 | 8322 | 49 δ Cap  | A6mv     |
| 209790 | 8417 | ξ Cep     | A3m      |
| 214994 | 8641 | ο Peg     | A1 III m |

### Table 5. List of Mn and Hg stars.

| HD     | HR   | Name      | Sp. type |
|--------|------|-----------|----------|
| 358    | 15   | α And     | B9p HgMn |
| 21699  | 1063 | V396 Per  | B8IIIp MnSi He-w |
| 22316  | 1094 | GC 4315   | B9p HgMnCrSi |
| 23408  | 1149 | 20 Tau    | B8IIIP Hg He-w |
| 27295  | 1339 | 53 Tau    | B9HgMn    |
| 27376  | 1347 | 41 υ1 Ori| B9V HgMn  |
| 33904  | 1702 | μ Lep     | B9p HgMn  |
| 36916  |      | V1045 Ori | B8 SiMn He-w |
| 37752  | 1951 |          | B8p HgMn  |
| 49606  | 2519 | 33 Gem    | B7IIIMnHgSi He-w |
| 51688  | 2605 | 40 Gem    | B8III HgHe-w |
| 63975  | 3059 | 13 ψ CMi  | B8HgMn    |
| 75333  | 3595 | 14 Hya    | B9HgMn    |
| 77350  | 3595 | ν Cnc     | B9p Si4012, CrHg |
| 78316  | 3623 | κ Cnc     | B8IIIP MnHg |
| 79158  | 3652 | 36 Lyn    | B9IIIP SrTiMn He-w |
| 89822  | 4072 | ET UMa    | A0p SiSrHgMn |
| 106625 | 4662 | γ Crv     | B8gMn     |
| 110073 | 4817 | 1 Cen     | A0p SiMn 4121, 4128 |
| 112185 | 4905 | 77 ε UMa  | A1 CrEuMn |
| 112413 | 4915 | 12 α2 CVn | A0p SiEuHgCr |
| 116458 | 5049 |          | A0p SrEuCrSiHgMn |
| 120709 | 5210 | 3 Cen A   | HgMn      |
| 129174 | 5475 | 29 π1 Boo | B9p HgMn  |
| 141556 | 5883 | 5 χ Lup   | B9IV HgMn |
| 143807 | 5971 | 14 ε CrB  | A0p MnHg  |
| 144206 | 5982 | 6 ν Her   | B9III MhMg |
| 145389 | 6023 | 11 φ Her  | B9p HgMn  |
| 169027 | 6023 | 38 Dra    | A0 Mn A-horiz.br. star |
| 172044 | 6997 | 172883 7028 | GC 25559 |
| 172883 | 7028 | 143807 5971 | A0p MnHg |
| 173524 | 7049 | 174933 7113 | B9III MnHg |
| 177517 | 7230 | 141556 5883 | B9HgSi |
| 200311 | 43786 | BD+433786 | B9p SiCrHg He-w |
| 210873 | 8473 |          | B9p HgMn  |
| 212454 | 8535 |          | B8III SrCrEuHg He-w |
| 216494 | 8704 |          | B9III HgMn binary star |
| 221507 | 8936 | 74 HI Aqr | B9.5IVp HgMnEu |
| HD   | HR   | Name    | Sp. type          |
|------|------|---------|-------------------|
| 358  | 15   | α And   | B9p HgMn          |
| 27295| 1339 | 53 Tau  | B9HgMn            |
| 27376| 1347 | 41 ν° Eri | B9V HgMn        |
| 33904| 1702 | μ Lep   | B9p HgMn          |
| 37752| 1951 | B8p HgMn |                 |
| 63975| 3059 | ζ CMi   | B8HgMn            |
| 75333| 3500 | 14 Hya  | B9HgMn            |
| 78316| 3623 | κ Cnc   | B8IIIp MnHg       |
| 120709| 5210 | 3 Cen A | B9p HgMn          |
| 129174| 5475 | 29 π° Boo | B9p HgMn     |
| 141556| 5883 | 5 χ Lup | B9IV HgMn         |
| 143807| 5971 | 14 δ CrB | A0p MnHg      |
| 144206| 5982 | 6 ν Her  | B9III MnHg        |
| 145389| 6023 | 11 φ Her | B9p HgMn        |
| 172044| 6997 | B8II-IIIp HgMn |             |
| 172883| 7028 | GC 25559 | B9p SiHgMn      |
| 20873| 8473 | B9p HgMn |                 |
| 216494| 8704 | 74 HII Aqr | B9III HgMn,Mn binary star |
| 221507| 8936 | β Scl   | B9.5IVp HgMnEu    |
| HD   | HR   | Name      | Sp. type         |
|------|------|-----------|------------------|
| 66255| 3151 | PY Pup    | A0p Si           |
| 68351| 3215 | 15 Cnc    | A0p SiCrSr       |
| 70331|      | CoD-47 3803 | B8p Si          |
| 71866|      | TZ Lyn    | A1 SiSrEu        |
| 73340| 3413 | HV Vel    | B9 Si            |
| 74521| 3465 | 49 Cnc    | A1p EuSiCr       |
| 77350| 3595 | 69 ν Cnc  | B9p Si4012, CrHg |
| 83625|      | IO Vel    | A0 SiSr          |
| 89822| 4072 | ET UMa    | A0p SiCrSrHgMn   |
| 90044| 4082 | 25 Sex    | B9p SiCrSr       |
| 90569| 4101 | 45 Leo    | A1 SiSrEu        |
| 92664| 4185 | V364 Car  | B9p Si           |
| 93507|      | CoD-67 1494 | B8p SiCr       |
| 94660| 4263 | KQ Vel    | A0p EuCrSi       |
| 96910|      | CoD-47 6547 | B9 SiCrEu     |
| 98088| 4369 | SV Crt    | A8Ifp SrCrSiEu  |
| 98457|      | LS Hya    | A0p Sr          |
| 10319| 4552 | β Hya     | B9IIIp SiCrSr   |
| 10862| 4752 | 17 Com A  | A0p SrCrEuSi    |
| 11007| 4817 | V823 Cen  | A0p SrCr        |
| 11238|      | V828 Cen  | A0p SiCrCr      |
| 11243| 4912 | 12 α2 CVn | A0p SiEuHgCr    |
| 11436| 4965 | V824 Cen  | A0p Si           |
| 11648| 5049 | 17 Com A  | A0p SrCrSiHgMn  |
| 11941| 5158 | V827 Cen  | A0p SiCrEu      |
| 12253| 5269 | V828 Cen  | B9p Si           |
| 12424| 5313 | CU Vir    | B9pVp Si         |
| 12582| 5378 | V761 Cen  | B9 pSrSiHe-w    |
| 12679|      | PPM 319563 | B9 Si           |
| 12877|      | IT Lup    | B9 p            |
| 12897| 5466 | 55 Hya    | A0p Si           |
| 13015| 5514 | 55 Hya    | A0p Si           |
| 13057| 5522 | B9V SiCr  | 8206 GC 30005   |
| 13112| 5543 | B7IIIp SiHe-w | 8240 B9p SiCr | |
| 13309| 5597 | BX Boo    | B9p SiCrSr      |
| 13365| 5619 | HZ Lup    | A0p SiCr        |
| 13388| 5624 | HR Lup    | B9p Si400       |
| 13475| 5652 | 24 ω Lib  | A0p Si(B7)      |
| 13634| 5697 | A0p Si    | 820859 B6 IV-V SiSrCrEu |
| 13693| 5719 | ν Lup     | A0p Si          |
| 13719|      | HQ Lup    | B9 Si           |
| 13738| 5731 | A0p Si    | 821544 GL Lac   |
| 13759|      | NN ApS    | B8p SiCrFeHe-w  |
| 13952|      | KU Lup    | B8 Si           |
| 14072| 5857 | PPM 19594 | A2p Si:Sr       |
| 14198|      | 3 Sco     | B8IIIp SiHe-w   |
| 14231| 5912 | V928 Sco  | B9 SiHe-w       |
| 14284|      | V929 Sco  | B4(8)p SiHe-w   |
| 14347|      | LL Lup    | B9 Si           |
| 14433| 5988 | V930 Sco  | B4(8)p SiHe-w   |
| 14484| 6003 | V931 Sco  | B5(9)Ivp SiHe-w |
| 14510|      | V932 Sco  | B9p Si          |
| 14551| 6026 | B9v Sco   | B8V+B9p SiHe-w  |

Table 7. List of Si stars – continued
Table 8. List of SrCrEu stars.

| HD  | HR  | Name       | Sp. type       |
|-----|-----|------------|----------------|
| 2453| 248 | GR And     | A1 SrEuCr      |
| 3980| 207 | ε Phe      | A7 SrCrEu      |
| 4778| 276 | GO And     | A1 CrSrEuHe-w  |
| 5797| 258 | V551 Cas   | A0 SrCrEu      |
| 6532| 46  | AP Scit    | A3p SrCr       |
| 8441| 28  | HN And     | A2 SrCrEu      |
| 9996| 465 | Υ And      | B9p CrEuSi     |
| 10221| 151| A3 SrCrEu  |
| 10783| 23  | UZ Psc     | A2 SrCrSi      |
| 11187| 65  | PPM 26824  | A0 SrCrEu      |
| 11503| 545 | γ² Ari     | A1p SrCrEu     |
| 12447| 396 | α Psc      | A0p SiSrCr     |
| 14437| 502 | BD+42 502  | B9p CrEuSr     |
| 15089| 707 | ι Cas      | A5p SrCr       |
| 15144| 710 | ΑВ CeT     | A6Vp SrCrEu    |
| 17775|    | PPM 13941  | A1 CrEu        |
| 18296| 873 | 21 Per     | B9p SrSrCrEu   |
| 19653|    | PPM 14140  | A0 SrCrEu      |
| 19918|    | CPD-82 54  | A5p SrEuCr     |
| 20135|    | PPM45983   | A1 CrEu        |
| 22374|    | V486 Tau   | A1 CrSrSi      |
| 22401|    | PPM 46394  | B9p CrSiSr     |
| 24155| 1194| V766 Tau   | B9p SrSiCr     |
| 24712| 1217| DO Eri     | A9p SrCrEu     |
| 25354|    | V380 Per   | A2 SrCrEu      |
| 25823| 1268| 41 Tau     | B9p SrSiCr     |
| 39317| 2033| V809 Tau   | B9p SrCrEu     |
| 42616|    | QR Aur     | A1 SrCrEu      |
| 47103|    | Rns12630   | A0 SrEu        |
| 49976| 2534| V592 Mon   | A1p SrCrEu     |
| 50169|    | BD+1 1414  | A3p SrCrEu     |
| 51418|    | NY Aur     | A0 HoDy SrCrEu |
| 55719|    | 2727       | A3p CrSrEu     |
| 56022| 2746| OU Pup     | A0p SiSrCr     |
| 62140| 2977| 49 Cam     | A8p SrEu       |
| 65339| 3109| 53 Cam     | A3p SrCrEu     |
| 68351| 3215| 15 Cnc     | A0p SiCrSr     |
| 71866|    | TZ Lyn     | A1 SrSiEu      |
| 72968| 3398| 3 Hya      | A2 SrCrEu      |
| 74521| 3465| 49 Cnc     | A1p EuSrCr     |
| 81009| 3724| KU Hya     | A3p SrCrEuSi   |
| 83688| 3831| IM Vel     | A8p SrCrEu     |
| 90044| 4082| 25 Sex     | B9p SrCrSr     |
| 90569| 4101| 45 Leo     | A0p SiCrSrEu   |
| 94660| 4263| KQ Vel     | A0p EuCrSi     |
| 96616| 4327| V815 Cen   | A3p SrCrEu     |
| 96707| 4330| EP UMa     | A8-F0p SrCrEu  |
| 96910|    | CoD-45 6547| B9 SrCrEu      |
| 98088| 4369| SV Cr   | A8IIVp SrCrSiEu |

Table 8. List of SrCrEu stars - continued

| HD  | HR  | Name       | Sp. type       |
|-----|-----|------------|----------------|
| 103192| 4552| β Hya      | B9IIIp SiCrSr  |
| 103498| 4561| 65 UMa     | A1p SrCrEu     |
| 108662| 4752| 17 Com A   | A0p SrCrEuSi   |
| 108945| 4766| AX CVn     | A1(0)p SrCrEu  |
| 110066| 4816| EP Com     | A2pv SrCr      |
| 111133| 4854| A1 SrCrEu  |
| 112185| 4905| 77 η UMa   | A1 CrEuMn      |
| 112413| 4915| 12 α² CVn  | A0p SiEuHgCr   |
| 115708|    | HH Com     | A3 SrCrEu      |
| 116114|    | BD-17 3829| F0p SrCrEu     |
| 116458| 5049| A0p SrEuCrSiHgMn |
| 118022| 5105| 78 CW Vir  | A2p SrCrEu     |
| 119213| 5153| CQ UMa     | A2Vp SrCrEu    |
| 119419| 5158| V827 Cen   | A0p SrCrEu     |
| 120198| 5187| CR UMa     | A0p EuCr       |
| 123998| 5303| η Aps      | A2(m) CrEu     |
| 125248| 5355| CS Vir     | A1p EuCr       |
| 126515|    | FF Vir     | A2p CrSr       |
| 128898| 5463| α Cir      | A9p SrCrEu     |
| 130559| 5523| 7 μ Lib A+B| A1p SrCrEu     |
| 130841| 5531| 9 α² Lib   | A3-7m(A3IV) CrSr |
| 133029| 5597| BX Boo     | B9p SrCrEu     |
| 134793|    | LV Ser     | A4 SrCrEu      |
| 135297|    | FI Ser     | A0 SrCrEu      |
| 137909| 5747| 3 β CrB    | A9p SrCrEu     |
| 137949|    | 33 Lib     | F0p SrCrEu     |
| 140160| 5843| 20 γ Ser   | A0p SrCr       |
| 141556| 5883| 5 χ Lup    | B9IV HgMnSrEu   |
| 144897|    | CoD-40 10236| B8p EuCr    |
| 147010|    | V933 Sco   | B9p SrCrFeSr   |
| 147105|    | V961 Sco   | A3p SrCrEu     |
| 148112| 6177| 24 ω Her   | A0p SrCr       |
| 148321|    | PPM 265557 | A1-Α8 Sr      |
| 148330| 6127| DQ Dra     | A2 Si3955v:SrCrEu |
| 148898| 6153| 9 ω Oph    | A6p SrCrEu     |
| 149822| 6176| V773 Her   | B9p SrCrEu     |
| 149911| 6179| GC 22360   | A0p CrEuSiSr   |
| 150035|    | V955 Sco   | A3 CrEuSr      |
| 152107| 6254| 52 Her     | A3Vp SrCrEu    |
| 153286|    | PPM 55775  | A3-F5 Sr       |
| 153882| 6326| V451 Her   | A1p CrEu       |
| 154258| 6709| V2126 Oph  | A3p SrCrEu     |
| 156474| 6758| BD +12 3382| A7p SrCrEu     |
| 164429| 6718| V771 Her   | B9p SiSrCrEu   |
| 170397| 6932| V432 Sco   | B9p CrSiEu     |
| 170793| 6958| MV Ser     | A0p SiCrEuSr   |
| 171586|    | FR Ser     | A2 SrCr        |
| 173650| 7058| V535 Her   | A0p SiSrCr     |
| 176155| 7165| FF Aql     | F8Ib SrCr      |
| 176232| 7167| 10 Aql     | A6p SrCrEu?    |
### Table 8. List of SrCrEu stars - continued

| HD    | HR  | Name                  | Sp. type     |
|-------|-----|-----------------------|--------------|
| 184905 | 7552 | V1264 Cyg              | A0 SiSrCr    |
| 187474 | 7575 | V3961 Sgr              | A0p EuSrCrSi |
| 188041 | 7575 | V1291 Aql              | A6p SrCrEu   |
| 191742 | PPM 59411 | V5 SiCrEu          | A5 SrCrEu    |
| 193756 | CPD-52 11681 | V9p SrCrEu    | A9p SrCrEu   |
| 196502 | 7879 | 73 AF Dra              | A2p SrCrEu   |
| 200177 | PPM 60816 | V3961 Sgr              | A0p EuCrSi   |
| 201601 | 8097 | 5 γ Equ                | A9p SrCrEu   |
| 203006 | 8151 | θ¹ Mic                 | A2 MgCrSrEu  |
| 203932 | CoD-30 18600 | A5p SrCrEu   | A5p SrCrEu   |
| 204131 | 8206 | GC 30005               | B9p SiSrCr   |
| 205087 | 8240 | B9p SiSrCrEu           | B9p SiSrCrEu |
| 208095 | 8357 | B6IV-V SiSrCrEu        | B6IV-V SiSrCrEu |
| 212454 | 8535 | B8III SrCrEuHg He-w    | B8III SrCrEuHg He-w |
| 216018 | BD-12 6357 | A7p SrCrEu            | A7p SrCrEu   |
| 216533 | MX Cep | A1 SrCr               | A1 SrCr     |
| 217522 | CoD-45 14901 | A5p SrEuCr  | A5p SrEuCr   |
| 218495 | CPD-64 4322 | A2p EuSr            | A2p EuSr     |
| 220825 | 8911 | 8 α Psc                | A1p CrSi:Si:CrEu |
| 221394 | 8933 | GC 32719               | A0p SrCrEu:Si |
| 221568 | V436 Cas | A1 SrCrEu            | A1 SrCrEu   |
| 221760 | 8949 | ι Phe                  | A2Vp SrCrEuSi |
| 223640 | 9031 | ET Aqr                 | B9p SiSrCr   |
| 224801 | 9080 | CG And                 | B9.5p SiCrEu |
| 335238 | BD+29 4202 | A1p CrEu            | A1p CrEu    |

### Table 9. List of other Sr stars

| HD    | HR  | Name                  | Sp. type     |
|-------|-----|-----------------------|--------------|
| 5737  | 280 | α Scl                  | B6p SrTi He-w |
| 8855  | PPM 44016 | B9 SiCr            | B9 SiCr     |
| 12288 | V540 Cas | A2p CrSi            | A2p CrSi   |
| 22316 | 1094 | GC4315                 | B9p HgMnCrSi |
| 22407 | PPM 185972 | Cr             | Cr         |
| 23387 | PPM 92834 | A0 CrSi He-w        | A0 CrSi He-w |
| 27309 | 1341 | 56 Tau                 | A0p SiCr    |
| 30466 | V473 Tau | A0 SiCr             | A0 SiCr    |
| 32549 | 1638 | 11 Ori                 | A0p SiCr    |
| 32633 | HZ Aur | B9 SiCr4012        | HZ Aur     |
| 35497 | 1791 | β Tau                  | B7III SiCr? |
| 37058 | V359 Ori | B3p SrTi He-w    | V359 Ori   |
| 37140 | V1130 Ori | B8 He-w SiSr  | V1130 Ori  |
| 38104 | 1971 | α Aur                  | A2Vp Cr     |
| 43819 | 2258 | V1155 Ori              | B9IIp Si4012,Cr |
| 77350 | 3595 | γ Cnc                  | B9p Si4012,CrHg |
| 79158 | 3652 | 36 Lyn                 | B9IIP SrTiMn He-w |
| 83625 | IO Vel | A0 SiSr             | IO Vel     |
| 89822 | 4072 | ET UMa                 | A0p SiSrHgMn |
| 93507 | CoD-67 1494 | A0p SiCr  | CoD-67 1494 |
| 112381 | V823 Cen | A0 SiCr     | V823 Cen  |
| 130557 | 5522 | V9V Si:Cr:v         | V9V Si:Cr:v |
| 133652 | 5619 | HZ Lup                 | A0p SiCr    |
| 135382 | 5671 | γ TrA                  | A0 Eu(A1V) |
| 137509 | NN Aps | B8p SiCrFe:He-w    | NN Aps    |
| 140728 | 5857 | A0p SiCr              | 5857       |
| 141988 | PPM 19594 | A2p Si:Sr     | PPM 19594  |
| 144197 | 5980 | A3p (Am) Sr?         | 5980       |
| 147890 | V936 Sco | B9.5p SiSr  | V936 Sco  |
| 148199 | GC 22126 | B9 SiSr He-w      | GC 22126  |
| 168605 | PPM 134572 | A0 SiSr  | PPM 134572 |
| 168733 | 6870 | V4050 Sgr              | B8p TiSr He-w |
| 175156 | 7119 | B4(5)II SrTi He-w    | B4(5)II SrTi He-w |
| 189160 | V2095 Cyg | A0(B8)p Si3955 Cr4012 | V2095 Cyg |
| 192678 | V1372 Cyg | A2 Cr           | V1372 Cyg  |
| 192913 | MW Vul | A0 SiCr             | MW Vul     |
| 200311 | BD+43 3786 | B9p SiCrHg He-w | BD+43 3786 |
| 202671 | 8137 | 30 Cap                 | B6(8)III SrTi He-w |
| 209515 | 8407 | GC 30848               | A0IV CrSiSrMg 4012 |
| 213918 | V362 Lac | B6p SiSrFe    | V362 Lac   |
| 217833 | 8770 | V638 Cas              | V638 Cas   |
| 217833 | 8770 | V936 Sco              | V936 Sco   |
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Appendix A: The catalogue of averaged effective magnetic fields

Table A.1 presents the complete listing of stars with individual averaged quadratic values of \( B_e \) and the additional data. Columns of the Table list: HD number, spectral type of the star, number \( N \) of individual \( B_e \) values, standard deviation \( \sigma \), corresponding value of \( \chi^2 \) per one degree of freedom, method of \( B_e \) determination, and reference numbers. The list of references for Table 1 is given at the end of this Appendix.
### Table A.1. List of stellar magnetic fields

| HD    | Sp.type | N  | $\langle B_\parallel \rangle$ | $\sigma\langle B_\parallel \rangle$ | $\chi^2$ | Method | References/notes |
|-------|---------|----|------------------------------|-----------------------------------|--------|--------|------------------|
| 358   | B9p     | 14 | 65.3                         | 134.5                             | 1.45   | all    | 2 56 127 140     |
| 358   | B9p     | 13 | 67.8                         | 67.7                              | 1.56   | all    | 2 127 140        |
| 358   | B9p     | 7  | 57.3                         | 46.8                              | 1.81   | HI     | 2 127            |
| 358   | B9p     | 6  | 78.2                         | 85.9                              | 1.27   | Met    | 140              |
| 432   | F2IV    | 3  | 220.1                        | 175.6                             | 1.11   | HI     | 235 266          |
| 886   | B2IV    | 13 | 670.3                        | 357.6                             | 2.16   | all    | 77 96 232        |
| 886   | B2IV    | 12 | 694.5                        | 368.9                             | 2.18   | HI     | 77 96            |
| 2435  | A2      | 2  | 749.5                        | 200.0                             | 14.04  | Met    | 137              |
| 2453  | A1      | 28 | 587.8                        | 202.8                             | 8.88   | Met    | 1 26 256         |
| 3360  | B2V     | 1  | 70.0                         | 310.0                             | .05    | HI     | 77               |
| 3627  | K3III   | 2  | 8.5                          | 2.5                               | 12.50  | Met    | 321              |
| 3980  | A7p     | 8  | 1202.1                       | 200.0                             | 36.12  | Met    | 121              |
| 4161  | A2IV    | 21 | 655.0                        | 261.4                             | 9.78   | Met    | 327              |
| 4502  | M2ep    | 8  | 43.0                         | 57.6                              | 1.33   | Met    | 47 322           |
| 4778  | A1p     | 23 | 1026.2                       | 425.3                             | 7.24   | HI     | 171              |
| 5377  | B6p     | 24 | 324.0                        | 142.3                             | 10.75  | HI     | 37 181 256       |
| 5797  | A0      | 1  | 2200.0                       | 350.0                             | 39.51  | Met    | 225              |
| 6532  | A3p     | 1  | 517.0                        | 273.0                             | 3.59   | Met    | 256              |
| 6860  | M0III   | 2  | 9.2                          | 2.0                               | 21.25  | Met    | 299 321          |
| 8441  | A2      | 21 | 284.1                        | 228.7                             | 2.36   | Met    | 1 327            |
| 8855  | B9      | 2  | 997.5                        | 355.4                             | 12.83  | Met    | 41               |
| 8860  | G6IV    | 1  | 24.0                         | 30.0                              | .64    | He     | 327              |
| 8890  | F7Ib    | 7  | 7.8                          | 3.6                               | 5.23   | Met    | 76               |
| 8890  | F7Ib    | 3  | 35.4                         | 40.3                              | .62    | HI     | 327              |
| 9270  | G7IIa   | 3  | 6.6                          | 4.4                               | 2.72   | Met    | 321              |
| 9996  | B9p     | 57 | 833.2                        | 174.1                             | 73.02  | all    | 1 19 208 209     |
| 1092  | A2      | 21 | 284.1                        | 228.7                             | 2.36   | Met    | 1 327            |
| 1092  | A2      | 2   | 997.5                        | 355.4                             | 12.83  | Met    | 41               |
| 9996  | A0      | 17 | 615.8                        | 238.8                             | 6.69   | Met    | 1                |
| 11503 | A1p     | 32 | 545.0                        | 343.9                             | 11.39  | HI     | 2 25 327         |
| 11636 | A5V     | 2  | 1200.0                       | 742.8                             | 6.74   | Met    | 327              |
| 12288 | A2P     | 20 | 1643.3                       | 292.1                             | 185.80 | all    | 312              |
| 12288 | A2P     | 7  | 1500.1                       | 463.9                             | 11.00  | HI     | 312 - UWO        |
| 12288 | A2P     | 13 | 1715.5                       | 123.9                             | 279.93 | Met    | 312 - SAO        |
| 12447 | A0p     | 35 | 365.3                        | 266.3                             | 4.88   | all    | 2 25 327         |
| 12447 | A0p     | 30 | 362.9                        | 283.6                             | 4.18   | HI     | 2 25             |
| 12447 | A0p     | 5  | 379.3                        | 117.6                             | 9.07   | Met    | 327              |
| 12767 | B9.5p   | 8  | 242.1                        | 93.9                              | 6.71   | HI     | 2                |
| 13480 | G5III   | 1  | 163.0                        | 72.0                              | 5.13   | Met    | 47               |
| 14392 | B9p     | 4  | 195.2                        | 316.0                             | .44    | HI     | 2 25 230         |
| 14437 | B9p     | 71 | 1829.0                       | 259.7                             | 115.25 | all    | 41 142 276 312   |
| 14437 | B9p     | 63 | 1829.6                       | 234.7                             | 126.33 | Met    | 41 142 276 312   |
| 15089 | A5p     | 4  | 202.9                        | 150.8                             | 1.76   | HI     | 2                |
| 15144 | A6Vp    | 57 | 802.5                        | 216.4                             | 15.11  | Met    | 1 87            |
| 16582 | B2IV    | 13 | 1068.3                       | 1141.0                            | 1.50   | all    | 77 96 327        |
| 16582 | B2IV    | 11 | 1161.0                       | 1238.1                            | 1.49   | HI     | 77 96           |
| 16582 | B2IV    | 2  | 72.0                         | 176.3                             | 1.56   | Met    | 327              |
| 16970 | A2      | 2  | 163.2                        | 347.9                             | .19    | HI     | 334              |
| 17463 | F5Ib    | 1  | 14.0                         | 44.0                              | .01    | Met    | 76               |
| 17775 | A1      | 1  | 376.0                        | 100.0                             | 14.14  | Met    | 327              |
| 18296 | B9p     | 70 | 440.0                        | 216.6                             | 3.73   | all    | 1 2 14 197       |

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| HD   | Sp.type | N  | $\langle B_e \rangle$ | $\sigma (B_e)$ | $\chi^2$ | Method | References/notes |
|------|---------|----|----------------------|----------------|---------|--------|------------------|
| 18296|         | 51 | 503.6                | 22.76          | 4.72    | Met    | 1 14 327        |
| 18296|         | 14 | 191.0                | 177.5          | 1.29    | HI     | 2 197 243       |
| 19356| B8V     | 1  | 0                    | 320.0          | .00     | Met    | 56               |
| 19400| B3V+A0  | 4  | 206.7                | 156.9          | 1.61    | HI     | 37               |
| 19445| A4p     | 1  | 415.0                | 550.0          | .57     | Met    | 1                |
| 19653| A0      | 1  | 548.0                | 115.0          | 2.21    | Met    | 327              |
| 19805| A0V     | 4  | 1039.6               | 239.6          | 1.78    | Met    | 327              |
| 19832| B9p     | 11 | 314.8                | 233.0          | 2.17    | HI     | 2                |
| 19918| A5p     | 1  | 848.0                | 221.0          | 1.42    | Met    | 256              |
| 20135| A1      | 3  | 556.5                | 428.7          | 1.78    | Met    | 327              |
| 20210| A1m     | 2  | 183.8                | 238.0          | .60     | Met    | 1                |
| 20283| B9Vp    | 2  | 2324.0               | 2428.0         | 1.37    | Met    | 91               |
| 20902| F5Ib    | 3  | .6                   | 49.0           | .08     | all    | 56 333           |
| 20902|         | 1  | 1.0                  | 2.0            | .25     | LSD    | 333              |
| 21291| B9Ia    | 1  | 312.0                | 102.0          | 9.36    | Met    | 327              |
| 21590| B9      | 3  | 1098.2               | 461.6          | 5.43    | Met    | 41               |
| 21699| B8IIp   | 19 | 827.6                | 397.9          | 8.98    | all    | 40 252           |
| 21699|         | 17 | 739.5                | 342.6          | 9.45    | HI     | 252              |
| 22316| B9p     | 19 | 1250.2               | 347.8          | 18.20   | HI     | 309              |
| 22374| A1      | 1  | 140.0                | 238.0          | .35     | Met    | 1                |
| 22401| B9p     | 3  | 520.3                | 402.2          | 1.75    | all    | 204 327          |
| 22407| K0      | 1  | 405.0                | 220.0          | 3.39    | Met    | 141              |
| 22470| B9p     | 14 | 732.9                | 408.6          | 17.89   | HI     | 25 37            |
| 22649| S3.5    | 1  | 450.0                | 238.0          | 3.57    | Met    | 1                |
| 22920| B8p     | 5  | 307.1                | 159.3          | 3.97    | all    | 37 256           |
| 23249| K0IV    | 3  | 2.5                  | 5.1            | .28     | Met    | 299 322          |
| 23387| A0V     | 2  | 1861.4               | 545.0          | 11.69   | Met    | 327              |
| 23408| B8III   | 5  | 410.0                | 120.0          |        |        | 203              |
| 24155| B9p     | 6  | 1034.2               | 351.9          | 8.96    | HI     | 230              |
| 24712| A9p     | 38 | 802.6                | 171.2          | 45.41   | all    | 21 111 120 184   |
|       |         |    |                      |                |         |        | 195 256 285 327  |
|       |         |    |                      |                |         |        | 310              |
| 24760|         | 1  | 130.0                | 140.0          | .86     | all    | 333              |
| 25267| B9+B9.5V| 7  | 240.6                | 91.0           | 7.66    | HI     | 2                |
| 25354| A2      | 5  | 206.6                | 240.0          | .74     | Met    | 1                |
| 25475| F5      | 1  | 1690.0               | 947.0          | 3.18    | HI     | 221              |
| 25823| B9p     | 20 | 667.7                | 470.3          | 2.33    | Met    | 1 71             |
| 27295| B9V     | 2  | 26.9                 | 27.9           | 1.41    | LSD    | 330 333          |
| 27309| A0p     | 13 | 1755.1               | 602.5          | 7.94    | all    | 2 41 142         |
| 27309|         | 5  | 787.6                | 443.6          | 3.01    | HI     | 2 41             |
| 27309|         | 8  | 2148.9               | 683.4          | 11.01   | Met    | 142              |
| 27371| K0IIab  | 3  | 13.2                 | 6.8            | 6.18    | Met    | 322              |
| 27376| B9V     | 4  | 266.9                | 292.6          | .62     | Met    | 20  - primary comp. |
| 27376|         | 4  | 403.1                | 263.4          | 2.55    | Met    | 20  - secondary comp. |
| 27962| A3V     | 16 | 779.3                | 241.0          | 15.58   | all    | 1 77 98          |
| 28305| G9.5III | 1  | 22.3                 | 5.4            | 19.36   | Met    | 322              |
| 28307| K0IIIb  | 1  | 59.0                 | 27.0           | 4.78    | Met    | 322              |
| 28843| B5-B9p  | 5  | 344.2                | 238.9          | 2.59    | HI     | 37               |
| 29009| B9p     | 2  | 206.2                | 195.1          | 1.15    | HI     | 230              |
| 29139| K5III   | 10 | 77.1                 | 40.5           | 4.16    | Met    | 56 123 140 299   |
|       |         |    |                      |                |         |        | 322              |
| 29140| A5m     | 1  | 46.0                 | 167.0          | .08     | HI     | 77               |
| 29173| A1m     | 1  | 28.0                 | 32.0           | .77     | LSD    | 333              |
| 29248| B2III   | 9  | 1063.2               | 1175.0         | 1.47    | HI     | 96               |
| 29305| A0III   | 4  | 53.8                 | 50.6           | 1.45    | HI     | 2                |
| 30466| A0p     | 10 | 1464.7               | 293.3          | 28.48   | Met    | 1 142 327        |
| 30652| G0V     | 1  | 8.3                  | 18.0           | 21.26   | Met    | 299              |
| 31295| A0Vc    | 5  | 263.6                | 179.5          | 2.16    | HI     | 183              |
| 31327| B2Ib    | 1  | 40.0                 | 290.0          | .02     | Hel    | 75               |
| HD  | Sp.type | N | \(\langle B_y \rangle\) | \(\sigma (B_y)\) | \(\chi^2\) | Method | References/notes |
|-----|---------|---|----------------|----------------|----------------|--------|-----------------|
| 31648 | A2 | 1 | 180.0 | 300.0 | .36 | Met | 286 |
| 32549 | A0p | 4 | 50.2 | 132.9 | .14 | Hi | 2 |
| 32630 | B3V | 1 | 1672.0 | 1134.0 | 2.17 | Met | 327 |
| 32633 | B9p | 120 | 2760.6 | 262.9 | 171.85 | all | 1 2 8 175 184 285 310 327 |
| 32633 | B9p | 17 | 2514.3 | 456.8 | 36.84 | Hi | 2 |
| 33328 | B2IV | 1 | 26.0 | 247.0 | .01 | Hi | 200 |
| 33254 | A2m | 20 | 192.4 | 162.3 | 1.57 | Met | 1 10 327 |
| 33904 | B9p | 14 | 143.2 | 194.5 | .88 | all | 1 2 140 |
| 33904 | B9p | 8 | 177.9 | 80.7 | 7.17 | Met | 1 140 |
| 33904 | B9p | 3 | 106.3 | 136.9 | .25 | Hi | 2 140 |
| 34085 | B8Iac | 4 | 153.7 | 71.1 | 204.56 | Met | 56 128 131 |
| 34452 | A0p | 20 | 743.4 | 433.6 | 4.35 | all | 2 41 230 |
| 34452 | A0p | 11 | 527.0 | 242.2 | 5.37 | Hi | 2 230 |
| 34452 | A0p | 9 | 942.6 | 588.3 | 3.10 | Met | 41 |
| 35008 | B9p | 4 | 385.2 | 368.5 | 1.22 | Hi | 201 204 |
| 35039 | B3V | 3 | 450.9 | 300.0 | 2.26 | Met | 55 |
| 35298 | B6 | 5 | 2275.9 | 443.3 | 26.12 | Hi | 201 |
| 35299 | B1.5V | 2 | .0 | 255.0 | .00 | Met | 55 |
| 35456 | B6 | 13 | 1189.0 | 318.8 | 11.97 | all | 201 327 |
| 35456 | B6 | 12 | 1180.2 | 318.4 | 11.64 | Hi | 201 |
| 35497 | B7III | 1 | 103.0 | 125.0 | .68 | Hi | 141 |
| 35502 | B5 | 6 | 1523.3 | 341.9 | 18.16 | Hi | 201 |
| 35912 | B2V | 10 | 902.6 | 383.2 | 11.86 | Met | 55 327 |
| 36313 | B8p | 6 | 1019.7 | 448.2 | 5.40 | Hi | 201 |
| 36429 | B4 | 5 | 518.2 | 374.6 | 2.28 | Hi | 201 |
| 36430 | B2V | 5 | 329.1 | 232.5 | 2.14 | Met | 327 |
| 36485 | B2p | 7 | 3223.2 | 317.9 | 109.32 | Hi | 135 256 |
| 36512 | B0V | 1 | 93.0 | 105.0 | .78 | Hi | 77 |
| 36526 | B8 | 6 | 2227.4 | 476.2 | 23.09 | Hi | 201 |
| 36540 | B7 | 4 | 574.7 | 447.8 | 1.85 | Hi | 201 |
| 36629 | B3 | 8 | 919.9 | 665.2 | 4.82 | Met | 53 55 |
| 36668 | B7 | 6 | 985.7 | 447.5 | 4.87 | Hi | 201 |
| 36862 | B0.5V | 1 | 1090.0 | 1650.0 | .44 | Met | 232 |
| 36916 | B8 | 2 | 627.6 | 177.9 | 12.62 | Hi | 37 |
| 36959 | B1V | 4 | 387.3 | 308.2 | 1.97 | Met | 55 |
| 37017 | B1.5V | 40 | 1488.1 | 338.4 | 26.28 | all | 24 135 |
| 37017 | B1.5V | 35 | 1518.6 | 330.5 | 28.70 | Hi | 24 135 |
| 37017 | B1.5V | 5 | 1254.4 | 389.4 | 9.34 | He | 135 |
| 37043 | O9III | 4 | 315.7 | 580.6 | .45 | all | 37 55 |
| 37055 | B3IV | 3 | 270.8 | 571.5 | .47 | Met | 55 |
| 37058 | B3p | 10 | 1091.3 | 412.2 | 10.78 | all | 37 53 55 256 |
| 37129 | B2.5V | 3 | 245.1 | 311.6 | .39 | all | 37 286 |
| 37140 | B8 | 6 | 575.5 | 521.8 | 1.32 | Hi | 201 |
| 37151 | B8p | 5 | 310.7 | 353.8 | .78 | Hi | 201 204 |
| 37210 | B8p | 4 | 497.4 | 503.5 | .96 | Hi | 201 |
| 37470 | B8p | 4 | 155.6 | 461.7 | .11 | Hi | 201 |
| 37479 | B2Vp | 22 | 1907.9 | 402.5 | 25.49 | all | 28 135 |
| 37479 | B2Vp | 16 | 1979.2 | 419.0 | 24.21 | Hi | 28 135 |
| 37479 | B2Vp | 6 | 1703.0 | 354.7 | 28.92 | He | 135 |
| 37642 | B9p | 6 | 2136.8 | 450.1 | 21.56 | Hi | 201 |
| 37752 | B8p | 1 | 260.0 | 680.0 | .15 | Met | 327 |
| 37776 | B3 | 51 | 1259.7 | 384.9 | 12.35 | Hi | 24 174 |
| 37807 | B4 | 2 | 500.0 | 552.3 | .85 | Met | 55 |
| 38104 | A2Vp | 6 | 367.7 | 220.0 | 2.87 | all | 326 327 |
| 38545 | A3Vn | 4 | 555.2 | 276.2 | 3.52 | Hi | 183 |
| 39317 | B9p | 1 | 400.0 | 210.0 | 3.63 | Hi | 2 |
| 40183 | A2V | 2 | 100.8 | 157.6 | .58 | all | 77 327 |

Table A.1. List of stellar magnetic fields – continued
### Table A.1. List of stellar magnetic fields – continued

| HD      | Sp.type | N  | $\langle B_e \rangle$ | $\sigma\langle B_e \rangle$ | $\chi^2$ | Method | References/notes |
|---------|---------|----|-----------------------|-----------------------------|---------|--------|------------------|
| 40312 A0p | 26 | 223.2 | 57.3 | 16.36 | HI | 2 60 - only $H_\beta$ |
| 40312 | 9 | 340.6 | 290.3 | 1.58 | HI | 25 - only $H_\alpha$ |
| 40312 | 10 | 1025.8 | 505.7 | 6.66 | Met | 226 |
| 40312 | 11 | 213.2 | 41.9 | 48.09 | LSD | 310 |
| 41753 B3V | 1 | 120.0 | 420.0 | 0.08 | LSD | 333 |
| 42474 M1ab | 8 | 528.1 | 206.3 | 38.56 | Met | 1 72 |
| 42616 A1 | 4 | 620.4 | 238.0 | 6.80 | Met | 1 |
| 43378 A2V | 1 | 70.0 | 460.0 | 0.02 | HI | 327 |
| 43819 B9IIIp | 5 | 269.5 | 253.6 | 4.78 | Met | 120 327 |
| 44743 B1III | 12 | 450.8 | 559.1 | 1.23 | Hl | 96 |
| 45348 F0lb | 14 | 277.6 | 50.0 | 30.83 | Met | 42 |
| 45412 F8Ibv | 1 | 33.0 | 35.0 | 5.89 | Met | 76 |
| 46328 B0.5V | 8 | 810.1 | 1295.6 | 0.74 | Hl | 96 |
| 47103 A0 | 8 | 3526.0 | 365.4 | 391.01 | Met | 259 |
| 47105 A0IV | 4 | 162.1 | 122.6 | 2.31 | all | 77 326 327 |
| 4777 B2 | 1 | 355.0 | 280.0 | 1.61 | Met | 141 |
| 48915 A1Vm | 12 | 17.0 | 35.4 | 0.74 | all | 54 56 57 |
| 49333 B7IIIn | 10 | 618.4 | 300.2 | 5.02 | Hl | 37 230 |
| 49606 B7III | 84 | 916.0 | 556.8 | 3.34 | all | 38 230 241 267 327 330 |
| 49606 | 32 | 815.1 | 423.6 | 5.66 | Met | 38 241 |
| 49976 A1p | 25 | 1488.8 | 358.0 | 18.31 | Met | 1 91 92 184 285 |
| 50169 A3p | 7 | 1218.2 | 222.1 | 65.84 | Met | 1 256 |
| 51418 A0 | 11 | 401.0 | 200.0 | 4.02 | Met | 29 |
| 51688 B8II | 7 | 550.2 | 557.7 | 1.71 | all | 40 230 327 328 |
| 51688 | 5 | 562.3 | 332.3 | 22.8 | HI | 230 327 |
| 52918 B1.5III | 1 | 97.0 | 162.0 | 0.36 | HI | 200 |
| 53367 B0IV | 8 | 376.0 | 537.7 | 2.10 | Met | 261 286 331 |
| 54118 A0p | 14 | 1032.5 | 255.9 | 38.66 | HI | 81 230 — $H_\beta + H_\alpha$ |
| 54118 | 7 | 1029.3 | 326.2 | 12.48 | HI | 81 — $H_\alpha$ |
| 54118 | 7 | 1035.6 | 156.6 | 64.83 | HI | 230 — $H_\alpha$ |
| 55719 A3p | 31 | 1397.8 | 263.6 | 76.97 | Met | 32 93 256 |
| 56022 A0p | 3 | 201.7 | 116.7 | 3.03 | HI | 2 |
| 56495 Am | 2 | 429.5 | 238.0 | 3.26 | Met | 1 |
| 56537 A3V | 2 | 561.0 | 1731.0 | 0.11 | Met | 327 |
| 58260 B3 | 10 | 2291.2 | 301.7 | 65.81 | HI | 24 135 |
| 58715 B8Ve | 3 | 212.3 | 199.1 | 1.14 | HI | 200 |
| 60178 A2Vm | 12 | 136.1 | 92.0 | 1.80 | all | 77 140 327 333 334 |
| 60179 | 1 | 24.0 | 10.0 | 5.76 | LSD | 333 |
| 60179 A1V | 4 | 42.8 | 38.5 | 1.59 | all | 77 333 334 |
| 60179 | 1 | 26.0 | 13.0 | 4.00 | LSD | 333 |
| 60344 B3 | 4 | 334.9 | 451.8 | 56 | HI | 24 135 |
| 60778 A1V | 1 | 150.0 | 115.0 | 1.70 | Met | 223 |
| 61421 F5IV | 44 | 15.8 | 16.6 | 1.43 | all | 56 77 138 140 192 296 299 307 327 |
| 61421 | 23 | 2.1 | 2.2 | 1.14 | Met | 296 307 |
| 61421 | 1 | 2.0 | 5.0 | 33.16 | LSD | 333 |
| 62140 A8p | 36 | 1336.3 | 305.6 | 236.56 | all | 62 91 310 |
| 62140 | 22 | 1458.5 | 388.5 | 31.05 | Met | 62 91 |
| 62140 | 14 | 117.5 | 55.1 | 559.50 | LSD | 310 |
| 62345 G8IIIa | 2 | 12.5 | 3.2 | 23.28 | Met | 321 |
### Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N  | $\langle B \rangle$ | $\sigma \langle B \rangle$ | $\chi^2$ | Method | References/notes |
|------|---------|----|--------------------|-----------------------------|---------|--------|-----------------|
| 62509| K0IIIb  | 12 | 6.6                | 13.8                        | 1.43    | Met    | 56 299 321 322  |
| 63401| BIII    | 1  | 280.0              | 210.0                       | 1.78    | HI     | 230             |
| 63975| B8      | 1  | 100.0              | 110.0                       | .83     | LSD    | 333             |
| 64486| B9p     | 6  | 854.7              | 513.6                       | 5.40    | all    | 91 230          |
| 64486|         | 3  | 1118.3             | 665.2                       | 7.94    | Met    | 91              |
| 64486| B1.5Vp  | 21 | 571.9              | 113.8                       | 24.99   | all    | 24 135          |
| 64740|         | 15 | 565.8              | 113.9                       | 24.74   | HI     | 24 135          |
| 64740| A3p     | 142| 3208.1             | 443.2                       | 242.54  | all    | 1 9 25 33       |
|       |         | 79 | 3113.3             | 315.7                       | 210.65  | Met    | 74 96 105 106   |
|       |         | 48 | 3253.7             | 631.4                       | 70.47   | HI     | 190 327 326     |
| 66255| A0p     | 1  | 240.0              | 190.0                       | 1.60    | HI     | 230             |
| 68351| A0p     | 3  | 151.8              | 393.1                       | .21     | HI     | 230             |
| 69267| K4III   | 2  | 3.5                | 2.5                         | 2.50    | Met    | 321             |
| 70331| B8p     | 1  | 2819.0             | 184.0                       | 234.72  | Met    | 256             |
| 71866| A1p     | 105| 1678.1             | 236.5                       | 86.66   | all    | 3 6 196 310     |
| 71866|         | 95 | 1691.4             | 247.2                       | 54.40   | Met    | 3 6 196         |
| 72524| A2Vn    | 1  | 338.0              | 402.0                       | .71     | HI     | 327             |
| 72968| A2p     | 24 | 479.7              | 288.3                       | 19.30   | all    | 1 9 1 327       |
| 72968|         | 21 | 481.2              | 238.5                       | 34.38   | Met    | 1 91           |
| 72968|         | 3  | 469.6              | 62.3                        | 133.84  | Met    | 327             |
| 73340| B9      | 5  | 1643.8             | 218.6                       | 60.39   | HI     | 230             |
| 73709| F2III   | 2  | 62.1               | 46.5                        | 2.03    | LSD    | 333             |
| 74521| A1p     | 25 | 812.5              | 141.0                       | 103.39  | all    | 1 184 285 230   |
|       |         | 12 | 921.4              | 217.9                       | 20.73   | Met    | 327             |
|       |         | 9  | 983.0              | 238.0                       | 17.06   | HI     | 1              |
| 75333| F7Vn    | 1  | .0                 | 140.0                       | .00     | Met    | 56              |
| 75333|         | 1  | 120.0              | 100.0                       | 1.44    | LSD    | 333             |
| 76294| G9II    | 1  | 15.3               | 2.9                         | 25.00   | Met    | 321             |
| 76644| A7IV    | 1  | 80.0               | 140.0                       | .33     | HI     | 77              |
| 76756| A5m     | 2  | 119.3              | 270.1                       | .17     | all    | 2 327           |
| 76943| F5V     | 2  | 10.1               | 21.6                        | .25     | Met    | 334             |
| 77327| A1V     | 4  | 589.7              | 365.9                       | 2.60    | Met    | 334             |
| 77350| B9p     | 19 | 846.1              | 265.9                       | 10.78   | all    | 1 230 327       |
| 77350|         | 5  | 395.7              | 289.4                       | 2.04    | HI     | 230 327         |
| 77750|         | 12 | 1024.1             | 271.0                       | 14.56   | Met    | 1 327           |
| 77750|         | 2  | 12.7               | 35.5                        | .13     | LSD    | 333             |
| 78209| A1m     | 2  | 113.2              | 113.4                       | .55     | all    | 2 333           |
| 78209|         | 1  | 3.0                | 10.0                        | .09     | LSD    | 333             |
| 78316| B8IIIp  | 31 | 208.7              | 204.7                       | .99     | Met    | 1 1 330         |
| 78316|         | 1  | 37.0               | 26.0                        | 2.03    | LSD    | 333             |
| 78362| F3      | 2  | 4.1                | 5.0                         | .68     | LSD    | 333             |
| 79158| B9IIIp  | 27 | 672.0              | 226.2                       | 12.07   | HI     | 37 181 327     |
| 79469| B9.5V   | 4  | 126.5              | 119.1                       | 1.11    | all    | 334             |
| 81009| A3p     | 6  | 1430.5             | 235.9                       | 120.43  | all    | 91 256 310     |
| 80081| A3V     | 4  | 440.9              | 332.0                       | 1.95    | all    | 334             |
| 82328| F6IV    | 1  | 250.0              | 160.0                       | 2.44    | HI     | 77              |
| 82328|         | 1  | .0                 | 4.0                         | .00     | LSD    | 333             |
Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N  | $\langle B_z \rangle$ | $\sigma \langle B_z \rangle$ | $\chi^2$ | Method | References/notes |
|------|---------|----|-----------------------|-----------------------------|--------|--------|-----------------|
| 83368 | A8p     | 34 | 576.8                 | 264.1                       | 7.16   | all    | 184 186 256 285 |
| 83368 |         | 25 | 604.8                 | 290.7                       | 6.65   | Met    | 184 256 285     |
| 83368 |         | 9  | 490.8                 | 169.5                       | 8.56   | Hl     | 186             |
| 83625 | A0      | 2  | 306.1                 | 405.2                       | 1.18   | Hl     | 230             |
| 84367 | F7V     | 1  | 210.0                 | 80.0                        | 6.89   | Met    | 120             |
| 84441 | G0II    | 3  | 29.6                  | 23.3                        | 22.44  | Met    | 56 322          |
| 84999 | F2IV    | 6  | 376.2                 | 466.5                       | .59    | Hl     | 235 266         |
| 86986 | A1V     | 1  | 430.0                 | 580.0                       | .55    | Met    | 232             |
| 87737 | A0lb    | 2  | 102.5                 | 59.0                        | 2.96   | Met    | 327             |
| 87737 |         | 2  | 5.1                   | 13.5                        | .15    | LSD    | 333             |
| 87901 | B7V     | 3  | 17.1                  | 152.4                       | .05    | Hl     | 77 126 327      |
| 88230 | K5      | 1  | 57.0                  | 100.0                       | .32    | Met    | 70              |
| 89021 | A2IV    | 1  | 66.0                  | 22.0                        | 9.00   | LSD    | 333             |
| 89822 | A0p     | 17 | 560.7                 | 221.9                       | 2.08   | all    | 1 2 20 140      |
|       |         |    |                       |                             |        |        | 230 327 330     |
| 90044 | B9p     | 11 | 738.8                 | 373.7                       | 15.36  | all    | 230 324         |
| 90044 |         | 5  | 872.1                 | 339.7                       | 28.74  | Met    | 324             |
| 90277 | F2      | 1  | 9.0                   | 20.0                        | .20    | LSD    | 333             |
| 90605 | A0p     | 8  | 192.5                 | 248.2                       | .54    | Met    | 1               |
| 92664 | B9p     | 20 | 803.0                 | 179.0                       | 41.65  | Hl     | 81 230          |
| 93030 | B0Vp    | 4  | 40.3                  | 57.9                        | .50    | Hl     | 24              |
| 93507 | A0p     | 2  | 2164.0                | 278.1                       | 62.10  | Met    | 256             |
| 94334 | A1Vs    | 15 | 127.5                 | 140.5                       | 1.10   | Hl     | 265             |
| 94660 | A0p     | 11 | 2353.7                | 265.3                       | 264.24 | all    | 81 184 230 256  |
|       |         |    |                       |                             |        |        | 285             |
| 94660 |         | 5  | 2654.3                | 374.6                       | 123.87 | Hl     | 81 230          |
| 94660 |         | 6  | 2070.1                | 109.7                       | 381.22 | Met    | 184 256 285     |
| 95418 | A1V     | 4  | 36.2                  | 64.3                        | .34    | all    | 77 333 334      |
| 95418 |         | 1  | 3.0                   | 10.0                        | .09    | LSD    | 333             |
| 95608 | A1m     | 2  | 4.1                   | 41.6                        | .01    | all    | 77 333          |
| 95608 |         | 1  | 3.0                   | 21.0                        | .02    | LSD    | 333             |
| 96446 | B2      | 24 | 1104.5                | 247.8                       | 37.79  | all    | 24 184 285      |
| 96446 |         | 6  | 1492.0                | 296.1                       | 25.76  | Hl     | 24              |
| 96446 |         | 18 | 940.6                 | 229.5                       | 41.80  | Met    | 184 285         |
| 96616 | Ap      | 1  | 90.0                  | 740.0                       | .01    | Hl     | 81              |
| 96707 | F0p     | 27 | 1072.1                | 722.4                       | 4.45   | all    | 91 260 324      |
| 96707 |         | 17 | 1333.7                | 891.1                       | 6.08   | Met    | 91 260 324      |
| 96707 |         | 10 | 282.7                 | 242.6                       | 1.69   | Hl     | 260             |
| 96910 | B9p     | 2  | 392.2                 | 231.4                       | 3.51   | Met    | 184 285         |
| 97603 | A4V     | 1  | 75.0                  | 65.0                        | 1.33   | Hl     | 77              |
| 97633 | A2V     | 3  | 66.6                  | 78.6                        | .79    | Hl     | 77              |
| 97633 |         | 13 | 54.9                  | 47.3                        | 1.87   | all    | 77 333 334      |
| 97633 |         | 9  | 53.6                  | 34.1                        | 2.38   | Met    | 334             |
| 97633 |         | 1  | 9.0                   | 12.0                        | .56    | LSD    | 333             |
| 97859 | A0      | 1  | 400.0                 | 4420.0                      | .01    | Met    | 275             |
| 98088 | A8IVP   | 19 | 802.3                 | 284.1                       | 109.26 | all    | 1 108 310       |
| 98088 |         | 15 | 827.8                 | 237.6                       | 77.26  | Met    | 1 108          |
| 98088 |         | 3  | 806.9                 | 48.0                        | 641.75 | LSD    | 310             |
| 98353 | A2V     | 2  | 93.3                  | 105.2                       | .70    | all    | 185 333         |
| 98353 |         | 1  | 120.0                 | 120.0                       | 1.00   | LSD    | 333             |
| 98457 | A0p     | 5  | 318.8                 | 229.2                       | 1.82   | Met    | 184 256 285     |
| 99028 | F4IV    | 1  | 200.0                 | 8.0                         | 6.25   | LSD    | 333             |
| 100546 | B9Vne  | 1  | .0                    | 100.0                       | .00    | Met    | 331             |
| 101065 | G8Ve   | 3  | 2241.3                | 450.0                       | 24.81  | Met    | 85              |
| 102509 | A7V+G5IVE | 1 | 11.0                  | 24.0                        | 21     | Met    | 299             |
| 102647 | A3V    | 1  | 80.0                  | 65.0                        | 1.51   | Hl     | 77              |
Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N  | $⟨B_e⟩$ | $σ(⟨B_e⟩)$ | $χ^2$ | Method | References/notes |
|------|---------|----|----------|-------------|-------|--------|-----------------|
| 102870 | F8V     | 1  | 270.0    | 151.0       | 3.20  | Met    | 124             |
| 102870 |         | 2  | 7.4      | 18.5        | .15   | Met    | 334             |
| 103192 | B9IIIp  | 5  | 204.2    | 104.1       | 3.92  | Hi     | 2 230           |
| 103287 | A0Ve    | 1  | 25.0     | 50.0        | .25   | Hi     | 77              |
| 103287 |         | 6  | 235.2    | 221.4       | .98   | all    | 77 333 334      |
| 103498 | A1p     | 6  | 333.0    | 138.7       | 6.24  | Met    | 41 327          |
| 104321 | A5V     | 1  | 93.0     | 53.0        | 3.08  | LSD    | 333             |
| 104513 | A7m     | 1  | 40.0     | 217.0       | .03   | Hi     | 328             |
| 106591 | A3V     | 1  | 340.0    | 200.0       | 2.89  | Hi     | 327             |
| 106591 |         | 5  | 329.8    | 274.1       | 1.71  | all    | 327 334         |
| 106625 | B8      | 1  | 29.0     | 40.0        | .40   | LSD    | 333             |
| 108642 | A7m     | 2  | 13.2     | 17.5        | .58   | LSD    | 333             |
| 108651 | A0p     | 5  | 378.9    | 240.0       | 2.16  | Met    | 91              |
| 108651 |         | 1  | 14.0     | 56.0        | .06   | LSD    | 333             |
| 108662 | A0p     | 52 | 619.9    | 200.9       | 9.49  | Met    | 1 11 118        |
| 108844 | A5      | 1  | 66.0     | 52.0        | 1.61  | Met    | 333             |
| 109026 | B5V     | 5  | 342.2    | 95.4        | 14.30 | Hi     | 37              |
| 109387 | B5IIIpe | 2  | 117.0    | 172.6       | .64   | Hi     | 200             |
| 110066 | A0p     | 5  | 378.9    | 240.0       | 2.16  | Met    | 91              |
| 110073 | B8p     | 3  | 145.4    | 158.4       | 1.58  | all    | 1 2             |
| 110379 | F0V     | 16 | 241.1    | 74.2        | 12.86 | Met    | 1 61 77 327 333 |
| 112185 | A1      | 117| 365.0    | 255.0       | 5.52  | all    | 2 25 56 123     |
| 112185 |         | 37 | 248.0    | 165.8       | 2.51  | Hi     | 182 271 310 327 |
| 112185 |         | 8  | 63.6     | 20.0        | 13.13 | LSD    | 330             |
| 112185 |         | 8  | 92.7     | 33.6        | 8.13  | Met    | 334             |
| 112381 | A0      | 5  | 3402.5   | 244.7       | 225.49| Hi     | 183             |
| 112413 | A0p     | 301| 1349.2   | 444.3       | 42.49 | all    | 25 27 33 58     |
| 112413 | A0      | 1  | 1.0      | 18.0        | .00   | LSD    | 333             |
| 112413 | A0p     | 8  | 93.0     | 50.0        | .15   | Met    | 327             |
| 112413 |         | 5  | 8.2      | 4.5         | 4.47  | Met    | 299 321 322     |
| 112413 |         | 1  | 9.0      | 30.0        | .09   | Hi     | 77              |
| 112413 |         | 4  | 324.1    | 198.2       | 2.40  | Hi     | 168             |
| 114710 | F9.5V   | 1  | 5.0      | 4.0         | 1.56  | LSD    | 333             |
| 115604 | F0II    | 1  | 10.0     | 260.0       | .00   | Hi     | 235             |
Table A.1. List of stellar magnetic fields – continued

| HD    | Sp. type | N  | $\langle B_e \rangle$ | $\sigma (B_e)$ | $\chi^2$ | Method | References/notes |
|-------|----------|----|-----------------------|----------------|---------|---------|-----------------|
| 115708 | A3       | 14 | 927.1                 | 405.8          | 6.53    | all     | 1 248           |
| 115708 | A0V      | 11 | 1001.0                | 440.3          | 6.72    | Hi      | 248             |
| 115735 | A0p      | 37 | 1925.5                | 273.0          | 242.81  | Met     | 93 184 187 256  |
| 115735 | A1V      | 5  | 89.8                  | 73.2           | .94     | Met     | 333 334 ζ UMa A |
| 115735 | A0p      | 1  | 9.0                   | 16.0           | .32     | LSD     | 333 ζ UMa A     |
| 115735 | A1V      | 4  | 56.2                  | 98.0           | .36     | Met     | 334 ζ UMa B     |
| 116657 | A1m      | 3  | 41.2                  | 60.5           | .60     | Met     | 333 334         |
| 116822 | A2p      | 199| 808.2                 | 225.4          | 55.19   | all     | 1 2 13 22       |
| 116822 | A2p      | 1  | 875.5                 | 249.5          | 16.15   | Met     | 1 13 22 64 84   |
| 116822 | A2p      | 4  | 10.0                  | 380.0          | .00     | LSD     | 333 334         |
| 116822 | A0V      | 11 | 1001.0                | 440.3          | 6.72    | Hi      | 248             |
| 120198 | A0p      | 10 | 704.2                 | 337.7          | 4.17    | all     | 184 256 285     |
| 120198 | A0p      | 7  | 823.1                 | 360.0          | 5.53    | Met     | 41              |
| 120198 | A0p      | 3  | 269.3                 | 279.0          | 1.01    | Hi      | 2               |
| 120315 | B3V      | 1  | 5.0                   | 65.0           | .01     | Hi      | 77              |
| 120640 | B2Vp     | 5  | 193.6                 | 235.2          | .81     | Hi      | 24              |
| 120709 | B5III    | 4  | 135.0                 | 104.5          | 1.47    | Hi      | 37              |
| 122532 | B9p      | 35 | 645.9                 | 268.5          | 11.05   | all     | 168 184 230 256 |
| 122532 | B9p      | 13 | 571.4                 | 162.5          | 13.72   | Hi      | 168 230         |
| 122532 | B9p      | 22 | 714.4                 | 314.8          | 9.48    | Met     | 184 285         |
| 122999 | A0III    | 1  | 29.0                  | 30.0           | .93     | LSD     | 333             |
| 123998 | A2       | 3  | 357.7                 | 415.8          | .67     | Hi      | 2               |
| 124224 | B9Vp     | 26 | 577.1                 | 323.7          | 9.26    | Hi      | 2               |
| 124850 | F6III    | 1  | 3.0                   | 5.0            | .36     | LSD     | 333             |
| 124897 | K2IIIbp  | 13 | 3.9                   | 7.5            | 1.50    | Met     | 56 123 140 299  |
| 125162 | A0p      | 7  | 83.3                  | 151.3          | .44     | Hi      | 183 185         |
| 125238 | B2.5IV   | 2  | 65.1                  | 98.0           | .44     | Hi      | 200             |
| 125248 | A1p      | 108| 1504.9                | 295.4          | 85.44   | all     | 1 2 25 88       |
| 125248 | A1p      | 92 | 1446.0                | 257.9          | 96.52   | Met     | 119 184 231 239 |
| 125248 | A1p      | 16 | 1806.8                | 454.4          | 21.73   | Hi      | 2               |
| 125337 | A2m      | 1  | 20.0                  | 23.0           | .76     | LSD     | 333             |
| 125823 | B7IIIov  | 28 | 469.3                 | 253.0          | 5.89    | all     | 37 176          |
| 125823 | A2p      | 19 | 523.1                 | 300.0          | 3.04    | Met     | 176             |
| 126515 | A2p      | 31 | 1723.4                | 373.5          | 42.37   | Met     | 1 18 91 184     |
| 126660 | F7V      | 1  | 208.0                 | 83.0           | 6.28    | Met     | 61             |
| 126661 | F1m      | 2  | 32.3                  | 29.6           | 1.06    | LSD     | 333             |
| 126759 | B9       | 5  | 345.2                 | 246.7          | 2.21    | Hi      | 168             |
Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N  | ⟨B_e⟩ | σ(B_e) | χ²  | Method       | References/notes |
|------|---------|----|--------|--------|------|--------------|------------------|
| 127972 | B2IV   | 1  | 66.0   | 76.0   | .75  | HI           | 200              |
| 128167 | F2V    | 2  | 9.6    | 35.7   | .13  | HI           | 77               |
| 128167 | F2V    | 1  | 8.0    | 13.0   | .38  | LSD          | 333              |
| 128220 | G      | 3  | 371.9  | 711.4  | .36  | all          | 232 275          |
| 128775 | B9p    | 1  | 435.0  | 185.0  | 5.53 | HI           | 168              |
| 128898 | A0p    | 31 | 644.6  | 324.3  | 6.55 | all          | 2 81 93 184      |
| 128898 |        | 8  | 389.6  | 188.7  | 10.20 | HI           | 2 81              |
| 128898 |        | 8  | 389.6  | 188.7  | 10.20 | Met          | 2 81              |
| 128974 | K0II   | 1  | 8.8    | 3.4    | 4.00 | Met          | 321              |
| 130158 | A0p    | 1  | 350.0  | 270.0  | 1.68 | HI           | 327              |
| 130557 | B9Vp   | 2  | 291.5  | 423.9  | .97  | HI           | 230              |
| 130559 | A1p    | 15 | 1375.4 | 496.8  | 99.51 | Met          | 1 327 μ Lib A     |
| 130559 | A1p    | 3  | 2387.2 | 413.0  | 36.87 | Met          | 327 μ Lib B       |
| 130841 | A3-7m  | 1  | .0     | 135.0  | .00  | Met          | 57               |
| 131120 | B7IIIp | 4  | 106.1  | 167.7  | .39  | HI           | 37               |
| 131156 | G8V+K4Ve | 51 | 47.8 | 13.7    | 9.66 | Met          | 47 61 82 299      |
| 133029 | B9p    | 218 | 2419.8 | 319.5  | 135.72 | all      | 1 2 25 94         |
| 133029 |        | 167 | 2450.8 | 420.1  | 95.35 | Met          | 1 94 282          |
| 133029 |        | 25  | 3260.0 | 694.8  | 81.79 | HI           | 2 25 326          |
| 133518 | B3     | 3  | 182.4  | 254.0  | .57  | HI           | 24               |
| 133640 | F9-G1Vn| 1  | 10.0   | 23.0   | .19  | Met          | 47               |
| 133652 | A0p    | 9  | 1116.2 | 200.4  | 31.02 | HI           | 230              |
| 133880 | B9p    | 15 | 2414.5 | 241.0  | 171.99 | HI        | 81 172           |
| 134214 | F2p    | 2  | 458.0  | 238.8  | 3.98  | Met          | 256              |
| 134759 | A0p    | 7  | 319.9  | 415.0  | 1.32  | HI           | 2 25              |
| 134793 | A4     | 5  | 355.1  | 249.7  | 2.00  | Met          | 1                |
| 135297 | A0     | 2  | 784.9  | 242.0  | 10.52 | Met          | 1                |
| 135382 | A0p    | 6  | 192.5  | 175.9  | 1.25  | HI           | 2 81              |
| 136347 | A0p    | 4  | 256.1  | 204.9  | 1.64  | HI           | 168              |
| 136933 | A0p    | 2  | 932.2  | 433.5  | 4.61  | Met          | 184 285          |
| 137052 | F5V    | 1  | 74.0   | 60.0   | 1.52  | HI           | 77               |
| 137193 | B9p    | 1  | 24.7   | 79.3   | .10   | Met          | 325              |
| 137193 |        | 4  | 679.8  | 220.7  | 9.26  | HI           | 168              |
| 137389 | A0p    | 2  | 1137.1 | 3207.7 | .29   | all          | 91 230           |
| 137422 | A3lab  | 1  | 24.7   | 79.3   | .10   | Met          | 325              |
| 137509 | B8p    | 25 | 1021.0 | 416.5  | 7.66  | all          | 184 230 256 285  |
| 137509 |        | 23 | 1062.2 | 425.7  | 8.27  | Met          | 184 256 285      |
| 137909 | A9p    | 513| 673.2  | 298.4  | 192.38| all         | 1 2 17 22         |
|       |        |    |        |        |      |              | 25 31 39 47       |
|       |        |    |        |        |      |              | 51 56 57 59       |
|       |        |    |        |        |      |              | 63 72 76 77       |
|       |        |    |        |        |      |              | 84 110 125 131    |
|       |        |    |        |        |      |              | 184 190 211 217   |
|       |        |    |        |        |      |              | 232 256 280 285   |
|       |        |    |        |        |      |              | 287 310 324 327   |
|       |        |    |        |        |      |              | 1 17 22           |
|       |        |    |        |        |      |              | 39 47 51 56       |
|       |        |    |        |        |      |              | 57 59 63 72       |
|       |        |    |        |        |      |              | 84 110 125 131    |
|       |        |    |        |        |      |              | 184 190 211 217   |
|       |        |    |        |        |      |              | 232 256 280 285   |
|       |        |    |        |        |      |              | 287 310 324 327   |
|       |        |    |        |        |      |              | 225 76 77         |
|       |        |    |        |        |      |              | 190 327           |
| 137909 |        | 439 | 750.6  | 262.7  | 22.65 | Met          | 1 17 22           |
| 137909 |        | 48  | 507.8  | 205.6  | 348.21| HI           | 2 25 76 77        |
| 137909 |        | 17  | 514.5  | 22.3   | 523.82| LSD          | 310              |
| HD     | Sp.type | N   | (B,) | σ(B,) | χ²  | Method | References/notes |
|--------|---------|-----|------|-------|-----|--------|------------------|
| 137949 | F0p     | 18  | 1497.7 | 197.0 | 63.97 | Met    | 1 26 91 256      |
| 138749 | B6III   | 1   | 100.0  | 190.0 | .28  | HI     | 200               |
| 139365 | B2.5V   | 2   | 47.4   | 70.1  | .49  | HI     | 168               |
| 139525 | B8      | 4   | 214.8  | 234.1 | .88  | HI     | 168               |
| 140160 | A0p     | 9   | 859.1  | 712.3 | 1.51 | HI     | 2 25              |
| 140160 | A0p     | 1   | 230.0  | 120.0 | 3.67 | LSD    | 333               |
| 140573 | K2IIib  | 1   | 2.4    | 1.8   | .25  | Met    | 321               |
| 140728 | A0p     | 9   | 436.7  | 337.5 | 5.19 | HI     | 2 25 41 230       |
| 141527 | F8Ibp   | 2   | 87.8   | 175.3 | 1.11 | Met    | 192               |
| 141556 | B9IV    | 2   | 155.8  | 129.8 | .80  | HI     | 2 303 - primary comp. |
| 141556 | B9IV    | 1   | 274.0  | 56.0  | 23.94 | HI     | 323               |
| 141637 | B1.5V   | 1   | 65.0   | 125.0 | .27  | HI     | 168               |
| 141675 | F3m     | 1   | 42.0   | 26.0  | 2.61 | LSD    | 333               |
| 141795 | A2m     | 7   | 39.5   | 55.1  | .41  | all    | 6 27 333 334      |
| 141795 | A2m     | 3   | 5.7    | 14.1  | .15  | LSD    | 333               |
| 141988 | A2p     | 1   | 377.0  | 636.0 | .35  | HI     | 326               |
| 142114 | B2.5Vn  | 1   | 145.0  | 120.0 | 1.46 | HI     | 168               |
| 142165 | B6IVn   | 1   | 70.0   | 140.0 | .25  | HI     | 168               |
| 142250 | B6Vp    | 3   | 301.8  | 159.4 | 3.52 | HI     | 168               |
| 142301 | B8IIIp  | 20  | 2103.6 | 420.0 | 30.01 | HI | 89     |
| 142373 | F8V     | 1   | 27.0   | 16.0  | 2.85 | Met    | 61                |
| 142378 | B3V     | 2   | 195.7  | 156.1 | 1.68 | HI     | 168               |
| 142860 | F6V     | 3   | 82.1   | 30.9  | 3.11 | Met    | 61 334            |
| 142860 | F6V     | 2   | 5.5    | 18.0  | .10  | Met    | 334               |
| 142883 | B3V     | 1   | 145.0  | 180.0 | .65  | HI     | 168               |
| 142884 | B9      | 4   | 285.4  | 279.2 | 1.31 | HI     | 37                |
| 142990 | B6IV    | 18  | 1304.3 | 255.3 | 36.06 | HI | 37 230          |
| 143473 | B9p     | 8   | 4292.5 | 362.0 | 159.99 | all | 184 230 285 |
| 143473 | B9p     | 4   | 4775.3 | 416.7 | 145.31 | HI | 230             |
| 143699 | B4IV    | 4   | 167.2  | 140.4 | 1.45 | HI     | 37                |
| 143807 | A0p     | 10  | 137.2  | 193.0 | .92  | all    | 1 57 140          |
| 143807 | A0p     | 1   | 31.0   | 17.0  | 3.33 | LSD    | 333               |
| 144197 | A3p     | 8   | 169.7  | 151.7 | 1.18 | Met    | 85                |
| 144206 | B9III   | 1   | 165.0  | 185.0 | .80  | HI     | 2                 |
| 144206 | B9III   | 1   | 24.0   | 49.0  | .24  | LSD    | 333               |
| 144284 | F8IV    | 1   | 3.0    | 8.0   | .14  | LSD    | 333               |
| 144432 | F0IV    | 1   | 2150.0 | 950.0 | 5.12 | Met    | 331               |
| 144334 | B8      | 12  | 783.2  | 257.7 | 13.14 | HI | 37               |
| 144470 | B1V     | 1   | 5.0    | 115.0 | .00  | HI     | 168               |
| 144661 | B7IIIp  | 5   | 542.0  | 318.5 | 1.54 | HI     | 37                |
| 144844 | B9IVp   | 4   | 318.1  | 265.5 | 2.13 | HI     | 37                |
| 144897 | B8p     | 1   | 2046.0 | 158.0 | 167.69 | Met | 256             |
| 145102 | B9p     | 4   | 280.8  | 190.7 | 1.73 | HI     | 168               |
| 145389 | B9p     | 6   | 150.5  | 236.2 | 1.07 | all    | 2 140 327         |
| 145389 | B9p     | 1   | 7.0    | 16.0  | .19  | LSD    | 333               |
| 145482 | B2V     | 2   | 57.1   | 102.2 | .29  | HI     | 168               |
| 145501 | B8V+B9p | 5   | 1241.6 | 238.3 | 37.84 | HI | 37 327          |
| 145502 | B2IV    | 1   | 45.0   | 110.0 | .17  | HI     | 168               |
| 145792 | B5V     | 2   | 286.5  | 190.0 | 2.27 | HI     | 168               |
| 146001 | B6IV    | 5   | 647.2  | 381.9 | 1.62 | HI     | 37                |
| 147010 | B9p     | 72  | 4032.1 | 402.7 | 150.66 | all | 41 142 168 184 |
| 147010 | B9p     | 24  | 4050.7 | 466.5 | 149.73 | Met | 41 142 327      |
| 147010 | B9p     | 36  | 3594.4 | 379.8 | 100.19 | Met | 184 256 285    |
| 147010 | B9p     | 12  | 5096.0 | 324.0 | 303.91 | HI | 168             |
| 147084 | A5II    | 4   | 169.7  | 97.8  | 3.28 | HI     | 168               |
| 147105 | A3p     | 4   | 455.6  | 417.7 | 1.21 | HI     | 168               |
| 147165 | B2III+O9V | 9  | 1162.1 | 1199.2 | 1.30 | HI | 96 200          |
**Table A.1. List of stellar magnetic fields – continued**

| HD   | Sp.type | N | $\langle B_r \rangle$ | $\sigma (B_r)$ | $\chi^2$ | Method | References/notes |
|------|---------|---|------------------------|----------------|--------|--------|-----------------|
| 147394 | B5IV    | 1 | 230.0                  | 190.0          | 1.47   | HI     | 77              |
| 147394 |         | 1 | 33.0                   | 87.0           | .14    | LSD    | 333             |
| 147550 | B9V     | 4 | 416.5                  | 430.2          | 1.29   | Met    | 91              |
| 147888 | B5V     | 1 | 100.0                  | 200.0          | .25    | HI     | 168             |
| 147890 | B9.5p   | 4 | 235.1                  | 256.4          | .85    | HI     | 168             |
| 148112 | A0p     | 22 | 649.7                 | 441.1          | 2.10   | all    | 2 25 327       |
| 148112 |         | 20 | 677.8                 | 436.1          | 2.28   | HI     | 2 25 327       |
| 148112 |         | 1 | 81.0                   | 47.0           | 2.97   | LSD    | 333             |
| 148199 | B9p     | 14 | 898.7                 | 247.1          | 14.25  | HI     | 168 230        |
| 148321 | A1+A8   | 4 | 284.7                  | 248.0          | 1.75   | HI     | 168             |
| 148330 | A2      | 16 | 303.7                 | 154.6          | 5.05   | all    | 179 326 327    |
| 148330 |         | 1 | 52.0                   | 37.0           | 1.98   | LSD    | 333             |
| 148478 | M1.5Lab | 3 | 26.0                   | 120.5          | 2.64   | Met    | 56 138         |
| 148605 | B2V     | 2 | 129.8                  | 115.1          | 1.34   | HI     | 168             |
| 148885 | G7IIIa  | 1 | 4.5                    | 4.8            | 1.00   | Met    | 322             |
| 148898 | A6p     | 4 | 248.6                  | 169.4          | 1.96   | HI     | 2               |
| 149438 | B0V     | 2 | 44.6                   | 26.7           | 2.31   | HI     | 77              |
| 149822 | B9p     | 3 | 214.3                  | 453.5          | .52    | HI     | 230             |
| 149911 | A0p     | 6 | 1035.7                 | 626.8          | 3.16   | Met    | 91              |
| 150035 | A3      | 4 | 616.5                  | 415.8          | 2.24   | HI     | 168             |
| 150059 | A0p     | 3 | 304.2                  | 210.6          | 2.01   | HI     | 2 81           |
| 150997 | G7.5III | 1 | 5.7                    | 5.3            | 5.44   | Met    | 321             |
| 151346 | B4      | 1 | 245.0                  | 495.0          | .24    | HI     | 37              |
| 151965 | B9      | 9 | 2602.7                 | 282.3          | 85.08  | HI     | 230             |
| 152107 | A3Vp    | 703 | 1487.0               | 578.5          | 22.81  | all    | 1 2 83 178     |
|        |         |   |                        |                |        |        | 197 219 220 290 |
|        |         |   |                        |                |        |        | 326 327         |
| 152107 |         | 253 | 1330.9               | 371.9          | 21.43  | Met    | 1 83 178 219   |
|        |         |   |                        |                |        |        | 290 327         |
|        |         |   |                        |                |        |        | 2 197 220 290  |
|        |         |   |                        |                |        |        | 326             |
| 153286 | A3-F5   | 2 | 486.5                  | 247.5          | 3.87   | Met    | 1               |
| 153847 | F0      | 1 | 187.0                  | 508.0          | .14    | HI     | 327             |
| 153882 | A1p     | 105 | 1751.0               | 461.8          | 170.44 | Met    | 1 6 31 72      |
|        |         |   |                        |                |        |        | 90 184 256 285  |
|        |         |   |                        |                |        |        | 310             |
| 153919 | O6      | 3 | 563.4                  | 387.0          | 2.22   | HI     | 74              |
| 155763 | B6III   | 1 | 41.0                   | 43.0           | .91    | LSD    | 333             |
| 156056 | B2IV    | 1 | 7.0                    | 71.0           | .01    | HI     | 200             |
| 158926 | B2IV+B  | 1 | 2.0                    | 70.0           | .00    | HI     | 200             |
| 159181 | G0II    | 1 | 2.2                    | 4.2            | .25    | Met    | 299             |
| 159560 | F0m     | 1 | 33.0                   | 34.0           | .94    | LSD    | 333             |
| 160762 | B3IV    | 4 | 233.1                  | 153.9          | 1.19   | HI     | 77              |
| 160762 |         | 1 | 13.0                   | 43.0           | .09    | LSD    | 333             |
| 161096 | K2III   | 1 | 1.6                    | 3.3            | .44    | Met    | 322             |
| 161817 | sdA2    | 4 | 283.5                  | 127.6          | 4.03   | Met    | 232             |
| 161868 | A0V     | 2 | 247.6                  | 291.5          | .60    | Met    | 334             |
| 162374 | B7V     | 5 | 269.8                  | 279.6          | 1.00   | HI     | 37              |
| 163472 | B2IV-V  | 1 | 150.0                  | 330.0          | .21    | LSD    | 333             |
| 163930 | F4IV-V  | 1 | 52.0                   | 150.0          | .12    | Met    | 47              |
| 163993 | G8III   | 3 | 17.8                   | 5.5            | 11.62  | Met    | 322             |
| 164136 | F2II    | 1 | 165.0                  | 185.0          | .80    | HI     | 140             |
| 164258 | A3p     | 12 | 755.9                 | 477.9          | 3.73   | Met    | 41 327         |
| 164429 | B9p     | 1 | 640.0                  | 480.0          | 1.78   | HI     | 230             |
| 164458 | K4      | 1 | 1780.0                 |               |       | Met    | 102             |
| 165474 | A7p     | 4 | 470.0                  | 165.2          | 4.60   | Met    | 1 184 256      |
| 166014 | B9.5V   | 2 | 299.7                  | 205.1          | 2.22   | Met    | 334             |
| 166182 | B2V     | 2 | 209.5                  | 135.4          | 1.96   | HI     | 77              |
| 166473 | A5p     | 3 | 2148.3                 | 222.7          | 180.93 | Met    | 256             |
Table A.1. List of stellar magnetic fields – continued

| HD  | Sp.type | N  | $\langle B_z \rangle$ | $\sigma(B_z)$ | $\chi^2$ | Method | References/notes |
|-----|---------|----|----------------------|--------------|--------|--------|-----------------|
| 167817 | G0V | 4 | 283.6 | 131.0 | 4.01 | Met | 223 |
| 168605 | A0 | 1 | 1784.0 | 605.0 | 8.70 | HI | 326 |
| 168733 | B8p | 30 | 815.4 | 276.2 | 19.58 | Met | 86 93 184 256 |
| 168733 | B9.5III | 20 | 832.4 | 305.3 | 13.78 | Met | 86 93 |
| 169022 | B9.5III | 3 | 70.5 | 60.0 | 1.38 | HI | 183 |
| 169027 | A0 | 1 | 325.0 | 820.0 | .16 | Met | 275 |
| 169887 | Ap | 3 | 1552.6 | 254.7 | 32.01 | Met | 329 |
| 170000 | A0p | 33 | 374.3 | 402.0 | 3.78 | HI | 25 60 $H_Y + H_P + H_T$ |
| 170000 | A0p | 17 | 426.0 | 542.7 | .70 | HI | 25 $H_Y$ only |
| 170000 | A0p | 15 | 319.8 | 120.2 | 7.53 | HI | 60 $H_P$ only |
| 170153 | F7V | 15 | 67.4 | 48.1 | 4.49 | Met | 334 |
| 170397 | B9p | 13 | 615.7 | 252.2 | 11.52 | all | 2 184 230 285 |
| 170397 | B9p | 11 | 602.0 | 239.6 | 11.89 | HI | 2 230 |
| 170973 | A0p | 5 | 532.5 | 285.4 | 3.04 | all | 230 285 |
| 171566 | F0 | 1 | 164.0 | 592.0 | .08 | HI | 327 |
| 171586 | A2 | 2 | 523.3 | 238.0 | 4.87 | Met | 1 |
| 172044 | B8IIIp | 3 | 1286.7 | 447.6 | 8.88 | all | 141 327 |
| 172044 | B8III-IIp | 2 | 1316.5 | 481.8 | 7.83 | Met | 327 |
| 172167 | A0Vα | 25 | 173.9 | 80.0 | 10.65 | all | 56 77 123 140 |
| 172283 | B9p | 1 | 140.0 | 480.0 | .09 | Met | 327 |
| 173524 | B9.5p | 5 | 342.8 | 151.7 | 7.30 | Met | 20 primary comp. |
| 173524 | B9.5p | 5 | 137.9 | 141.4 | .96 | Met | 20 secondary comp. |
| 173648 | A4m | 2 | 77.8 | 115.8 | .24 | Met | 2 56 |
| 173650 | A0p | 24 | 326.3 | 275.9 | 22.40 | Met | 1 |
| 174933 | B9IIIp | 8 | 104.6 | 107.5 | 1.02 | Met | 20 primary comp. |
| 174933 | B9IIIp | 5 | 738.6 | 523.0 | 1.15 | Met | 20 secondary comp. |
| 175132 | B9p | 1 | 1008.0 | 79.0 | 162.80 | Met | 327 |
| 175156 | B4II | 8 | 136.3 | 116.4 | 1.58 | HI | 37 |
| 175362 | B6IVp | 81 | 3509.9 | 448.1 | 107.06 | all | 37 52 184 256 |
| 175362 | B6IVp | 12 | 3917.5 | 215.9 | 333.50 | HI | 37 |
| 175362 | B6IVp | 15 | 3767.1 | 500.0 | 56.76 | Met | 52 |
| 175362 | B6IVp | 69 | 3505.9 | 477.1 | 67.68 | Met | 52 184 256 285 |
| 175744 | B9p | 1 | 35.0 | 75.0 | .22 | Met | 327 |
| 176155 | F8Ib | 1 | 21.0 | 24.0 | .77 | Met | 76 |
| 176232 | A6p | 6 | 311.4 | 229.1 | 1.79 | Met | 1 256 |
| 177003 | B2.5IV | 6 | 233.5 | 230.9 | 2.07 | all | 327 |
| 177410 | B9p | 1 | 60.0 | 410.0 | .02 | HI | 230 |
| 177517 | B9V | 3 | 386.1 | 322.2 | 1.42 | HI | 2 |
| 177645 | F0 | 3 | 171.6 | 271.7 | .87 | all | 221 |
| 177724 | A0V | 2 | 326.0 | 316.0 | .98 | Met | 334 |
| 179218 | B9 | 2 | 487.5 | 302.1 | 2.50 | Met | 286 |
| 179527 | B9p | 2 | 153.0 | 353.2 | .18 | HI | 2 |
| 179761 | B8III | 4 | 479.5 | 238.0 | 4.06 | Met | 1 |
| 180163 | B2.5IV | 2 | 169.0 | 115.9 | 1.88 | HI | 77 |
| 182274 | F6IV | 1 | 333.0 | 120.0 | 7.70 | Met | 221 |
| 182568 | B3IV | 1 | 19.0 | 298.0 | .00 | HI | 327 |
| 182989 | F5 | 83 | 751.6 | 267.9 | 10.68 | Met | 1 153 |
| 183056 | B9p | 4 | 325.6 | 270.0 | 1.45 | HI | 2 25 |
| 183324 | A0V | 5 | 360.9 | 359.5 | .83 | HI | 183 |
| 183339 | B8IV | 8 | 1296.2 | 465.5 | 8.71 | all | 40 327 |
| 184552 | A1m | 1 | 230.0 | 245.0 | .88 | Met | 1 |
| 184905 | A0 | 3 | 5051.6 | 3093.4 | 3.69 | Met | 327 |
| 184927 | B2 | 38 | 1464.6 | 430.3 | 15.06 | all | 40 281 327 |
| 184927 | B2 | 20 | 1305.0 | 338.5 | 17.22 | Met | 40 281 327 |
| 184927 | B2 | 18 | 1623.6 | 513.5 | 12.66 | HI | 281 |
| 186205 | B3 | 1 | 298.0 | 96.0 | 9.64 | Met | 327 |
Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N | \( \langle B_{\text{e}} \rangle \) | \( \sigma \langle B_{\text{e}} \rangle \) | \( \chi^2 \) Method | References/notes |
|------|---------|---|-----------------------------|-----------------|-----------------|-------------------|
| 187013 | F5V | 1 | 20.0 | 19.0 | 1.11 | Met | 299 |
| 187474 | A0p | 56 | 1488.0 | 143.9 | 125.50 | Met | 1 184 256 285 |
| 187642 | A7IV | 2 | 46.4 | 55.2 | .60 | Hl | 77 |
| 187642 | A7IV | 6 | 109.8 | 89.0 | 4.35 | all | 77 334 |
| 187929 | F6Iab | 40 | 39.0 | 29.7 | 2.53 | Met | 76 299 335 336 |
| 187929 | 20 | 45.5 | 41.1 | 2.37 | Met | 335 |
| 187929 | 14 | 7.6 | 4.4 | 3.33 | LSD | 336 |
| 188041 | A6p | 97 | 2225.5 | 401.0 | 126.58 | Met | 1 4 15 16 184 232 256 285 |
| 188728 | A1IV | 5 | 162.1 | 222.3 | .92 | Hl | 183 |
| 191600 | A0 | 56 | 427.5 | 66.7 | 20.71 | Met | 10 97 98 327 |
| 190073 | Ape | 2 | 111.9 | 218.3 | .28 | Met | 1 286 |
| 190967 | BII-BII | 3 | 468.4 | 556.9 | .81 | Hl | 216 327 |
| 191195 | F5V | 1 | 133.0 | 28.0 | 22.56 | Met | 327 |
| 191742 | A5 | 3 | 610.7 | 246.8 | 5.70 | Met | 1 |
| 192136 | WN | 2 | 1455.8 | 407.1 | 13.22 | Hl | 327 |
| 192560 | A2I | 47 | 200.6 | 230.7 | .64 | Hl | 183 |
| 192678 | A2 | 31 | 1411.4 | 163.4 | 90.88 | all | 1 41 255 327 |
| 192678 | 2 | 1458.1 | 235.5 | 40.29 | Hl | 255 |
| 192913 | A0 | 5 | 482.9 | 221.0 | 4.77 | Met | 1 |
| 193756 | A9p | 1 | 467.0 | 241.0 | 3.75 | Met | 256 |
| 194093 | F8Ib | 107 | 237.8 | 104.6 | 3.32 | Met | 56 76 131 140 |
| 195479 | F2m | 1 | 15.0 | 53.0 | .08 | LSD | 333 |
| 196178 | B8p | 11 | 973.1 | 238.5 | 18.21 | all | 2 327 |
| 196178 | 9 | 1069.4 | 251.4 | 20.13 | Hl | 2 |
| 196502 | A2p | 102 | 491.8 | 522.8 | 32.36 | all | 1 7 22 190 |
| 196502 | 78 | 488.6 | 98.6 | 26.21 | Met | 1 7 22 |
| 196502 | 18 | 545.5 | 493.2 | 1.88 | Hl | 190 |
| 196502 | 4 | 414.3 | 16.4 | 788.18 | Met | 327 |
| 197345 | A2Iae | 14 | 16.8 | 37.5 | 1.93 | Met | 140 325 327 |
| 197345 | 10 | 11.2 | 6.4 | 2.65 | Met | 325 |
| 197461 | A7IIIp | 1 | 10.0 | 140.0 | .01 | Hl | 2 |
| 197572 | F7-G8Ib | 1 | 10.0 | 120.0 | .01 | Met | 76 |
| 197989 | K0III | 7 | 5.2 | 2.4 | 4.46 | Met | 321 |
| 198183 | B5Ve | 1 | 290.0 | 170.0 | 2.91 | Hl | 200 |
| 198583 | F5 | 1 | 310.0 | 220.0 | 1.99 | Hl | 221 |
| 198743 | A3m | 1 | 30.0 | 200.0 | .02 | Hl | 2 |
| 199478 | B8Ia | 2 | 10.1 | 44.0 | .05 | Met | 325 |
| 199629 | A1V | 4 | 493.5 | 284.0 | 3.98 | Met | 334 |
| 200177 | A1 | 4 | 1124.4 | 433.2 | 10.08 | Met | 41 |
| 203280 | A7V | 2 | 47.4 | 228.1 | .08 | Met | 334 |
| 203111 | B9p | 21 | 1490.2 | 427.5 | 13.84 | all | 291 |
| 203111 | 11 | 904.4 | 360.6 | 11.08 | Met | 291 |
| 203111 | 10 | 1940.0 | 490.8 | 16.88 | Hl | 291 |
| 201078 | A0V | 1 | 31.0 | 27.0 | 1.32 | Met | 76 |
| 201601 | A9p | 208 | 585.3 | 187.7 | 311.22 | all | 1 2 46 47 48 49 105 146 184 232 256 268 285 327 |
| 201601 | 175 | 455.9 | 197.9 | 194.50 | Met | 1 46 48 49 105 146 285 327 |
| 201601 | 14 | 728.0 | 169.3 | 18.85 | Hl | 2 268 |
| 201601 | 12 | 1347.1 | 31.4 | 241.449 | Met | 327 |
| 202109 | G8II-III | 3 | 2.9 | 2.0 | 2.08 | Met | 321 |
| 202444 | F2IV | 1 | 24.0 | 1.0 | 576.00 | Hl | 266 |
| 202627 | A2V | 3 | 150.3 | 205.5 | .53 | Hl | 2 |
| 202671 | B8III | 4 | 183.0 | 147.7 | 1.44 | Hl | 37 |
Table A.1. List of stellar magnetic fields – continued

| HD   | Sp.type | N  | $\langle B_v \rangle$ | $\sigma \langle B_v \rangle$ | $\chi^2$ | Method | References/notes |
|------|---------|----|----------------------|-----------------------------|---------|--------|-----------------|
| 202850 | B9lab | 1 | 110.0 | 900.0 | .01 | Hl | 163 |
| 203006 | A2 | 4 | 344.7 | 153.5 | 3.01 | all | 1 2 |
| 203006 | A5p | 2 | 132.5 | 105.2 | 1.71 | Hl | 2 |
| 203932 | B2 | 2 | 250.0 | 150.5 | 2.70 | Met | 256 |
| 204041 | A2V | 2 | 527.9 | 405.3 | 1.73 | Hl | 183 |
| 204131 | B9p | 7 | 788.9 | 535.0 | 2.30 | Met | 327 |
| 205021 | B1IV | 10 | 1034.5 | 1539.9 | 2.86 | Hl | 96 |
| 205073 | Am | 3 | 327.0 | 350.0 | .47 | Hl | 327 |
| 205087 | B9p | 8 | 538.2 | 391.7 | 2.76 | all | 41 230 327 |
| 205087 | A0IV | 4 | 404.5 | 181.7 | 4.10 | Met | 41 327 |
| 205087 | F8 | 4 | 644.8 | 523.3 | 1.42 | Hl | 230 |
| 206433 | A0V | 6 | 203.2 | 145.2 | 1.47 | Hl | 2 |
| 206826 | F6V | 1 | .0 | 90.0 | .00 | Hl | 77 |
| 207098 | A6IV | 4 | 82.1 | 79.4 | .88 | Hl | 2 |
| 207260 | A2Ia | 157 | 813.3 | 368.8 | 6.01 | all | 136 194 325 |
| 207260 | B9 | 4 | 9.0 | 10.4 | .95 | Met | 325 |
| 207260 | F5V | 3 | 1330.6 | 216.4 | 41.51 | Hl | 194 |
| 207757 | WN | 19 | 575.7 | 210.3 | 9.61 | Met | 1 4772 |
| 207840 | B8V | 1 | 1300.0 | 530.0 | 6.02 | Met | 120 |
| 208063 | A1p | 1 | 730.0 | 460.0 | 2.52 | Met | 331 |
| 208095 | B8V-IV | 2 | 7636.9 | 3206.3 | 4.52 | all | 91 327 |
| 208392 | B1IVe | 5 | 305.1 | 375.6 | .81 | Hl | 205 |
| 208816 | A2Ia | 8 | 410.0 | 194.3 | 8.57 | Met | 1 72 |
| 209308 | B9 | 1 | 452.0 | 1039.0 | .19 | Hl | 326 |
| 209339 | B0IV | 3 | 493.3 | 545.5 | 1.71 | Hl | 327 |
| 209459 | B9.5V | 6 | 176.4 | 238.5 | .84 | Hl | 183 |
| 209515 | A0IV | 10 | 466.4 | 399.9 | 1.33 | Hl | 2 25 327 |
| 209664 | B9 | 1 | 1206.0 | 709.0 | 2.89 | Hl | 326 |
| 209790 | A3m | 1 | 80.0 | 140.0 | .33 | Hl | 2 |
| 210027 | F5V | 8 | 30.4 | 19.6 | 4.10 | all | 61 77 82 |
| 210336 | M5III | 1 | 77.0 | 123.0 | .39 | Hl | 266 |
| 210418 | A2IV | 9 | 63.7 | 127.4 | .35 | Hl | 164 183 185 |
| 210418 | B9p | 13 | 150.2 | 225.1 | .43 | all | 164 183 185 334 |
| 210873 | B9 | 10 | 986.3 | 593.0 | 3.21 | Met | 327 |
| 212454 | A0IV | 4 | 434.0 | 506.9 | .87 | Met | 40 327 |
| 212593 | B9lab | 2 | 247.8 | 410.5 | .40 | all | 163 325 |
| 213258 | A3 | 1 | 204.1 | 121.1 | 3.00 | Met | 221 |
| 213558 | B9 | 2 | 161.4 | 220.9 | .61 | Met | 334 |
| 213871 | B9 | 1 | 112.0 | 807.0 | .02 | Hl | 326 |
| 213918 | B6p | 3 | 1751.1 | 381.3 | 22.13 | Hl | 204 |
| 214923 | B9 | 2 | 35.4 | 260.0 | .02 | Met | 334 |
| 214783 | B9p | 1 | 50.0 | 280.0 | .03 | Hl | 204 |
| 214993 | A2Ia | 6 | 2352.3 | 1604.9 | 1.58 | Hl | 96 |
| 214994 | A1III | 1 | 32.0 | 20.0 | 2.56 | LSD | 333 |
| 215441 | B9 | 75 | 19437.3 | 2086.5 | 113.26 | all | 5 12 30 190 |
| 215441 | 217522 | A5p | 1 | 394.0 | 124.0 | 10.10 | Met | 256 |
| 217675 | B6III+A2 | 1 | 10.0 | 120.0 | .01 | Hl | 200 |
### Table A.1. List of stellar magnetic fields – continued

| HD     | Sp.type | N  | $\langle B_e \rangle$ | $\sigma(B_e)$ | $\chi^2$ | Method | References/notes |
|--------|---------|----|-----------------------|--------------|----------|--------|------------------|
| 217833 | B9III   | 23 | 3648.7                | 697.5        | 36.59    | all    | 40 230 233 326   |
| 217833 | B9III   | 18 | 4105.5                | 768.2        | 45.42    | Met    | 40 233           |
| 217833 | B9III   | 5  | 748.9                 | 336.5        | 4.78     | HI     | 230 326          |
| 218393 | Bpe     | 3  | 1820.7                | 416.6        | 23.57    | Met    | 327              |
| 218398 | F0      | 2  | 436.6                 | 418.4        | .98      | Met    | 41               |
| 218495 | A2p     | 1  | 606.0                 | 280.0        | 4.68     | Met    | 256              |
| 219749 | B9p     | 26 | 1000.5                | 412.1        | 6.38     | HI     | 198 230 327      |
| 220825 | A1p     | 13 | 269.3                 | 247.7        | 1.37     | all    | 2.25 327         |
| 220825 |         | 10 | 193.9                 | 245.6        | .94      | HI     | 2.25             |
| 221006 | Ap      | 3  | 772.1                 | 163.8        | 21.75    | HI     | 230              |
| 221336 | K       | 1  | 77.0                  | 123.0        | .39      | HI     | 328              |
| 221394 | A0p     | 4  | 1275.8                | 446.0        | 9.79     | Met    | 41               |
| 221507 | B9.5IVp | 1  | 660.0                 | 196.0        | 11.34    | Met    | 1               |
| 221568 | A1      | 3  | 595.5                 | 120.4        | 36.16    | Met    | 327              |
| 221756 | A1III   | 6  | 193.2                 | 265.2        | .60      | HI     | 183              |
| 221760 | A2Vp    | 5  | 104.3                 | 121.9        | .55      | HI     | 2               |
| 223385 | A3Ia    | 1  | 43.6                  | 35.8         | 1.49     | Met    | 325              |
| 223438 | A5m     | 1  | 809.0                 | 545.0        | 2.20     | Met    | 327              |
| 223640 | B9p     | 27 | 643.0                 | 217.9        | 15.47    | HI     | 224              |
| 223960 | B0Ia    | 2  | 201.5                 | 136.5        | 1.64     | Met    | 325              |
| 224166 | B9      | 1  | 410.0                 | 470.0        | .76      | HI     | 230              |
| 224559 | B4Ven   | 8  | 886.6                 | 916.2        | 1.35     | HI     | 199 205          |
| 224801 | B9.5p   | 3  | 1318.5                | 382.4        | 9.94     | Met    | 1               |
| 224926 | B7III   | 4  | 47.2                  | 168.8        | .102     | HI     | 37               |
| 226868 | O9.7Iab | 7  | 824.7                 | 2300.1       | .16      | all    | 75 295 327       |
| 231054 | A2      | 4  | 1647.2                | 238.1        | 40.43    | Met    | 329              |
| 234677 | K6Ve    | 5  | 161.1                 | 100.0        | 2.59     | Met    | 70 A star        |
| 234677 |         | 5  | 119.8                 | 100.0        | 1.43     | Met    | 70 B star        |
| 250550 | B9eq    | 5  | 1148.5                | 575.8        | 4.02     | Met    | 286              |
| 293764 | A2      | 3  | 3804.5                | 278.7        | 203.23   | Met    | 329              |
| 318107 | B8p     | 1  | 1985.0                | 230.0        | 74.48    | Met    | 256              |
| 335238 | A1p     | 1  | 1738.0                | 247.0        | 29.34    | Met    | 256              |
| 338226 | A0      | 3  | 1079.4                | 195.1        | 34.41    | Met    | 329              |
| 343872 | Ap      | 17 | 2658.3                | 280.8        | 123.45   | Met    | 319 329          |
| Feige  | Bp      | 1  | 100.0                 | 2800.0       | .00      | HI     | 37               |
| BD + 15 115 | B2 | 1 | 3914.0 | 2720.0 | 2.07 | HI | 327 |
| BD + 40 175A | A2 | 5 | 2910.6 | 208.4 | 225.61 | Met | 289 A star |
| BD + 40 175B | A2 | 5 | 1603.0 | 170.4 | 111.04 | Met | 289 B star |
| BD + 51 3356 | B9 | 1 | 2407.0 | 971.0 | 6.14 | HI | 326 |
| BD + 17 3622 | A2 | 3 | 1390.5 | 182.7 | 65.47 | Met | 319 329 |
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