Accurate Radial Velocities of
2086 Nearby FGKM Stars and 132 Standards[1]

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ABSTRACT

We present radial velocities with an accuracy of 0.1 km s^{-1} for 2086 stars of spectral type F,G,K, and M, based on ∼29000 spectra taken with the Keck I telescope. We also present 132 FGKM standard stars, all of which exhibit constant radial velocity within 0.01 km s^{-1} (RMS) for at least 10 years. All velocities are measured relative to the solar system barycenter and are placed on the velocity scale of Nidever et al. (2002). Comparison of our absolute radial velocities with IAU standards shows agreement within ∼0.1 km s^{-1}. Small zero-point differences from the different spectrometers are well characterized. The quoted radial velocities contain no corrections for convective blueshift or gravitational redshift. The radial velocities presented here serve as standards for all-sky surveys such as Gaia and RAVE.

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[1] Based on observations obtained at the W.M. Keck Observatory, which is operated jointly by the University of California and the California Institute of Technology, and on observations obtained at the Lick Observatory which is operated by the University of California.

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1. Introduction

Here we establish 132 absolute radial velocity standard stars, and provide the velocities for 2086 additional stars. By "absolute" radial velocities, we mean "barycentric" radial velocities, referring to the star's velocity relative to the center of mass of the solar system, or the barycenter. We provide these velocities with uncertainties less than 0.1 km s^{-1}.

Radial velocity standard stars serve two notable purposes: allowing for comparison between different instruments or observatories, and establishing absolute velocity zero points for use in calibrations. Different surveys of stars have their own scientific objectives, but all need accurate wavelength scales to ensure the quality of spectroscopic data.

Radial velocities are used for more than just calibrations, however. Our radial velocities also serve as a tool for studying the kinematics of the galaxy. When combined with the proper motion and positions detected using the upcoming Gaia space telescope, one can create a vision of the three dimensional movement of the stars around us. Determining the velocity vectors of various stars allows for the study of galactic structure and of fundamental stellar properties.

Another area of interest is the search for possible long period binary stars. By making available the velocities of so many stars at this time, we enable future observers to compare their velocities and perhaps discover hidden companion stars.

2. Spectroscopic Observations

We obtained the spectra using the HIRES echelle spectrometer on the 10-m Keck 1 telescope. The standard stars observed have precise relative radial velocities computed using the iodine cell/planet hunting technique, which confirmed the stability of their velocities over 10 years. However, to calculate our own absolute barycentric velocities, we use two template spectra. For the FGK stars, we use a spectrum of Vesta as a solar proxy. For M dwarfs we use a spectrum of HIP 80824 (spectral type M3.5). For both of these templates, we used only certain sections of the spectrum: those unpolluted by telluric lines. We used an A star to accurately determine the placement of these telluric lines, and chose four segments that were free of them, as detailed in Section 4.

For our standard stars, we required that at least 3 spectra were obtained over a period of 10 years. This guaranteed that the velocities obtained were indeed constant over a long timescale.

3. Barycentric Radial Velocities

Establishing and maintaining a single, well-defined velocity scale, including zero-point accuracy and precision, is incredibly important in making radial velocities useful. They must be comparable to and preferably quite close to other well–known scales. In particular, our velocities are tied closely to those from Geneva, Harvard-Smithsonian, and the California Planet Survey[1].

We based our barycentric velocity measurements on the scale of Nidever et al. (2002) Thus, we list the velocities as if measured from the Solar System barycenter, but with the effects of the solar gravitational potential well removed. However, we do not take into account the gravitational redshift nor convective blueshift of the star. The effects of redshift vary with stellar masses and radii. Uncertainties in these quantities hinder the accurate removal of the effects of gravitational redshift. Convective blueshift depends on spectral type Dravins (1999), and we do not do the involved calculations necessary to account for it here.

4. Doppler Method

We use the well-known Doppler method to determine our absolute radial velocities. We follow the example of Griffin et al. (2002) in using telluric lines to determine a zero point, which is gone into more detail in Section 5.

We used a spline to transform the spectra to a logarithmic wavelength scale. Binning the spectra linearly with $\ln\lambda$ enabled us to detect any Doppler shift as a uniform linear shift, with a shift of 1 pixel representing a Doppler shift of 1.30 km s^{-1}. To account for fractional pixel shifts, we oversampled a subarray around the minimum of each chi squared function and fit a spline to the data.

We used the solar spectrum as a template with which to compare our stellar spectra. Because the A and B bands, at 7594-7621 Å and 6867-6884 Å respectively, were present in all of our spectra, we first used the A5 star HR 3662 to determine which sections of the spectra were unpolluted by these telluric lines. We selected portions of the spectra rich in stellar absorption lines but unaffected by telluric lines, and ran these segments against the solar spectrum using a chi squared minimization. This provides us with the Doppler shift of the stellar absorption lines. We applied a barycentric correction and ended up with a velocity for each spectrum.

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[1]http://exoplanets.org

We did not account for gravitational redshift or convective blueshift. Both of these errors are about a few tenths of a kilometer per second, and probably opposite in sign. Our uncertainty is then for internal precision, not actual velocity.

5. Velocity Zero-Point

The velocities calculated were systematically off until we applied a correction the correct zero-point. We first needed to determine the barycentric corrections for our original template spectra. We calculated this by taking a sample of standard stars and comparing them to the Nidever et al. (2002) velocities. By plotting the differences in velocities (present minus Nidever) against the Nidever velocities, we were able to remove any systematic error and force our absolute velocities onto the scale of Nidever et al. (2002).

To further improve our zero-point, we needed to account for small shifts of the CCD over time. This time, we used the segments of our spectra that did contain telluric lines, and again utilized χ^2 minimization method to find the displacement of the telluric lines.

We subtracted this displacement from the apparent shift of the stellar lines in order to find the true Doppler shift. Thus, we found the radial velocity as determined by the Doppler shift of stellar absorption lines. We averaged the velocities given by each of the segments of the spectra and give this as the present day value of the stars absolute radial velocity.

6. Comparison of Present Velocities with Standard Stars

The velocities of Nidever et al. (2002)'s varied from those of Udry et al. (1999a) and Stefanik et al. (1999) by less than 0.1km s^{-1} , and our own velocities' differences from these previous standard measurements are within a similar margin.

Our velocities differ from the standard stars of Udry et al. (1999a) by 0.072 km s^{-1} (RMS) for the 30 standard stars in common, with the zero–point differing by: $< V_{\mathrm{present}} - V_{\mathrm{Udry}} >$ = +0.063 km s^{-1}. They differ from the standard stars of Stefanik et al. (1999) by 0.13 km s^{-1} (RMS) for the 25 standard stars in common, and the zero–point changes by: $< V_{\mathrm{present}} - V_{\mathrm{Stefanik}} >$ = +0.15 km s^{-1}. We also compare our measurements of M dwarves to those of Marcy et al. (1987). We find that our velocities differ by 0.26 km s^{-1} (RMS) and our zero–points by: $< V_{\mathrm{present}} - V_{\mathrm{Marcy}} >$ = 0.005 km s^{-1} for the 17 stars in common.

These new velocities are thus congruent with the best known standard stars to within 0.1 km s^{-1} , in both precision and zero-point.

7.   Uncertainty Estimates

We used two methods to estimate uncertainties for our 132 standard stars: the standard deviation of the mean (the internal RMS scatter of points) and comparison with the published values in Nidever et al. (2002). We considered the smallest viable uncertainty to be 0.03 km s^{-1} , as this was the uncertainty of the velocities given in Nidever et al. (2002). The biggest of these three uncertainty values is listed in Tables 1 and 2 as a conservative estimate of the uncertainty for each radial velocity.

We display the consistency of our radial velocities with those of Nidever et al. (2002) in figures 5 and 6. The outliers with seemingly inconsistent radial velocities (a difference greater than 0.5 km s^{-1}) are in fact easily explained–they are confirmed binary systems. This exemplifies the usefulness of our results in the search for long term binary stars.

8.   Final Radial Velocities and Description of Tables

The barycentric radial velocities for our 132 standard stars are reported in Tables 1 and 2. In Table 1, primary and alternate star names are given in the first three columns, and the spectral type in column 4. Columns 5, 6, and 7 give information regarding the period of observation, and columns 8 and 9 give the Nidever et al. (2002) velocities along with our own present day ones. In the next two columns we list the standard deviation of our calculated velocities, and the number of spectra used. We report the final velocity as an average of the Nidever et al. (2002) and present velocities. We consider this appropriate as each set of velocities is valid, and was determined using different spectral techniques. The uncertainty recorded is the largest of three numbers: the difference between our velocity and Nidever's, the uncertainty in the mean, or 0.03 km s^{-1} , which we called our cut–off point to prevent artificially low uncertainties. Table 2 lists the same standard stars, but in a format more suitable for observing. We give the primary name, position in RA and DEC, magnitude, spectral type, final absolute radial velocity, and uncertainty.

Table 3 reports all 2086 stars (including the standards). The primary star name is given in column 1, and the template type in column 2. V represents the Vesta spectrum (solar), and M the M-dwarf spectrum. Next we give the average Julian date of our observations, along with the number of days between the first and last observation. We then give the barycentric radial velocity, number of observations, and standard deviation of our measurements.

9. Conclusion

We have provided barycentric radial velocities with an internal precision of 0.1 km s^{-1} for 2086 stars, of which 132 are standards. The error estimates come from both the internal errors found from our measurements and from the comparison with the standard velocities of Stefanik et al. (1999) and (Udry et al. 1999a). Our absolute radial velocities were forced to share the velocity zero–point defined by Nidever et al. (2002). Our velocity scale differs by only 0.063 km s^{-1} from that of Udry et al. (1999a), 0.15 km s^{-1} from that of Stefanik et al. (1999), and 0.007 km s^{-1} from that of Marcy et al. (1987), which adds confidence to the zero points of all three sets of velocities.

These velocities will be important in helping the upcoming Gaia space telescope in their calibrations, along with supporting any work examining the kinematics of the galaxy. They will act as a stepping stone to allow even more distant stars to be measured, as well as assisting in the search for long-term binary stars.

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Table 1. Radial Velocities of Standard Stars

Star Name			Spectral Type	JD First (-2440000)	JD Last (-2440000)	Duration (years)	Nidever RV[a] (km s^{-1})	Present RV[b] (km s^{-1})	σ_{RV}[c] (km s^{-1})	# Obs[d]	Final RV[e] (km s^{-1})	Unc[f] (km s^{-1})
HD 166	GJ 5	HIP 544	K0	6960	15252	23	-6.537	-6.350	0.118	12	-6.444	0.110
HD 283	GJ 9003	HIP 616	K0	10367	14457	11	-43.102	-43.247	0.077	7	-43.174	0.147
HD 3651	GJ 27	HIP 3093	K0	7048	15251	22	-32.961	-32.919	0.108	63	-32.940	0.059
HD 3765	GJ 28	HIP 3206	K2	10462	15252	13	-63.202	-63.179	0.119	62	-63.191	0.030
HD 4256	GJ 31.4	HIP 3535	K2	10367	15172	13	9.460	9.393	0.104	49	9.426	0.070
HD 4628	GJ 33	HIP 3765	K2	7047	15252	22	-10.230	-10.228	0.121	79	-10.229	0.041
HD 8389	GJ 57.1	HIP 6456	K0	10367	15016	13	34.647	34.606	0.110	58	34.626	0.031
HD 9562	GJ 59.2	HIP 7276	G2	10367	15230	13	-14.989	-14.990	0.132	7	-14.990	0.030
HD 10002	GJ 62	HIP 7539	K0	10463	14431	11	11.562	11.494	0.045	5	11.528	0.059
HD 10145	GJ 9059	HIP 7902	G5	10462	15110	13	17.838	17.938	0.158	4	17.888	0.163
HD 10476	GJ 68	HIP 7981	K1	7048	15172	22	-33.647	-33.650	0.103	137	-33.648	0.030
HD 10700	GJ 71	HIP 8102	G8	7047	15232	22	-16.619	-16.640	0.121	466	-16.629	0.030
HD 12051	GJ 82.1	HIP 9269	G5	10419	15257	13	-35.102	-35.163	0.146	117	-35.133	0.066
HD 13043	GJ 9073	HIP 9911	G2	10367	15232	13	-39.333	-39.326	0.102	122	-39.329	0.030
HD 14412	GJ 95	HIP 10798	G5	10366	15232	13	7.383	7.297	0.129	73	7.340	0.057
HD 16141	GJ 9085	HIP 12048	G5	10366	15230	13	-50.971	-50.909	0.109	18	-50.940	0.038
HD 18803	GJ 120.2	HIP 14150	G8	10367	15135	13	9.878	9.847	0.092	69	9.862	0.030
HD 20165	GJ 9112	HIP 15099	K1	10366	15173	13	-16.676	-16.667	0.164	28	-16.672	0.030
HD 20619	GJ 135	HIP 15442	G1.5	10366	15135	13	22.689	22.637	0.130	40	22.663	0.030
HD 22484	GJ 147	HIP 16852	F9	7049	15261	22	28.080	28.253	0.073	3	28.167	0.173
HD 22879	GJ 147.1	HIP 17147	F9	10366	15173	13	120.356	120.325	0.107	31	120.340	0.049
HD 23439	GJ 1064	HIP 17666	K1	10463	15134	13	50.704	50.572	0.119	25	50.638	0.085
HD 24365	GJ 3254	HIP 18208	G8	10463	15172	13	19.278	19.274	0.083	6	19.276	0.030
HD 24238	GJ 15	HIP 18324	K0	10463	15257	13	38.809	38.736	0.136	31	38.772	0.053
HD 26794	GJ 165.2	HIP 19788	K3	10420	14456	11	56.573	56.402	0.112	7	56.487	0.109
HD 26965	GJ 166A	HIP 19849	K1	7049	15261	22	-42.331	-42.344	0.118	83	-42.337	0.030
HD 28187	GJ -	HIP 20638	G3	10366	14024	10	18.321	18.324	0.137	3	18.322	0.046
HD 31253	GJ -	HIP 22826	F8	10839	14807	11	12.184	12.285	0.167	14	12.235	0.030
HD 31560	GJ 2037	HIP 22907	K3	10366	14780	12	6.203	6.208	0.112	8	6.205	0.058
HD 32147	GJ 183	HIP 23311	K3	7047	15286	23	21.552	21.536	0.115	126	21.544	0.030
HD 34721	GJ 198	HIP 24786	G0	10366	15081	13	40.448	40.503	0.130	32	40.475	0.047
HD 34411	GJ 197	HIP 24813	G0	7049	15322	23	66.511	66.482	0.135	88	66.497	0.030
HD 36003	GJ 204	HIP 25623	K5	10367	15109	13	-55.527	-55.588	0.111	69	-55.558	0.030
HD 36395	GJ 205	HIP 25878	M1.5	10420	15257	13	8.665	8.687	0.169	13	8.676	0.039

Table 1—Continued

Star Name			Spectral Type	JD First (-2440000)	JD Last (-2440000)	Duration (years)	Nidever RV[a] (km s^{-1})	Present RV[b] (km s^{-1})	σ_{RV}[c] (km s^{-1})	# Obs[d]	Final RV[e] (km s^{-1})	Unc[f] (km s^{-1})
HD 245409	GJ 208	HIP 26335	K7	10420	15257	13	22.046	22.333	0.273	6	22.190	0.208
HD 37124	GJ 209	HIP 26381	G4	10420	15230	13	-23.076	-23.032	0.094	28	-23.054	0.097
HD 38858	GJ 1085	HIP 27435	G4	10419	15262	13	31.543	31.471	0.093	76	31.507	0.043
HD 39881	GJ 224	HIP 28066	G5	10366	14865	12	0.333	0.307	0.085	14	0.320	0.064
HD 42581	GJ 229A	HIP 29295	M1	10420	15199	13	4.724	4.753	0.115	14	4.738	0.030
HD 42618	GJ 3387	HIP 29432	G4	10366	15322	14	-53.501	-53.499	0.127	164	-53.500	0.033
HD 45184	GJ 3394	HIP 30503	G2	10366	15199	13	-3.856	-3.863	0.119	117	-3.859	0.030
HD 48682	GJ 245	HIP 32480	G0	7049	15343	23	-23.933	-23.881	0.101	33	-23.907	0.092
HD 265866	GJ 251	HIP 33226	M3	10784	15173	12	22.914	22.969	0.165	24	22.942	0.120
HD 51866	GJ 257.1	HIP 33852	K3	10462	15134	13	-21.624	-21.688	0.128	33	-21.656	0.032
HD 52711	GJ 262	HIP 34017	G4	7049	15230	22	24.604	24.566	0.115	95	24.585	0.030
HD -	GJ 273	HIP 36208	M3.5	7049	15290	23	18.216	18.203	0.095	20	18.210	0.030
HD 65583	GJ 295	HIP 39157	G8	10419	15345	13	14.832	14.760	0.114	61	14.796	0.061
HD 67767	GJ -	HIP 40023	G7	10419	15345	13	-44.318	-44.225	0.091	5	-44.272	0.195
HD 71334	GJ 306.1	HIP 41317	G4	10462	14130	10	17.286	17.493	0.148	3	17.389	0.127
HD 73667	GJ 315	HIP 42499	K1	10462	15290	13	-12.088	-12.159	0.102	29	-12.123	0.060
HD 84035	GJ 365	HIP 47690	K5	10462	15199	13	-12.225	-12.317	0.104	23	-12.271	0.061
HD 84737	GJ 368	HIP 48113	G0.5	6960	15351	23	4.900	4.862	0.128	32	4.881	0.030
HD 88230	GJ 380	HIP 49908	K5	7195	15017	21	-25.729	-25.692	0.118	18	-25.710	0.063
HD 88371	GJ -	HIP 49942	G2	10463	14811	12	82.497	82.430	0.070	4	82.463	0.099
HD 88725	GJ 9322	HIP 50139	G1	10463	14131	10	-22.045	-21.987	0.187	3	-22.016	0.062
HD 89269	GJ 3593	HIP 50505	G5	10419	15351	14	-7.551	-7.563	0.125	94	-7.557	0.040
HD -	GJ 388	HIP -	M4.5	8020	15198	20	12.420	12.486	0.104	30	12.453	0.064
HD 90156	GJ 3597	HIP 50921	G5	10419	15352	14	26.934	26.902	0.147	70	26.918	0.122
HD 90711	GJ 3603	HIP 51257	K0	10462	14642	11	29.940	29.867	0.090	21	29.903	0.030
HD 95735	GJ 411	HIP 54035	M2	6959	15343	23	-84.689	-84.678	0.136	149	-84.683	0.030
HD 96700	GJ 412.2	HIP 54400	G2	10419	14928	12	12.769	12.805	0.170	5	12.787	0.066
HD 97101	GJ 414	HIP 54646	K8	8649	15351	18	-16.376	-15.942	0.107	24	-16.159	0.034
HD 97343	GJ 3648	HIP 54704	G8	10419	15352	14	39.794	39.783	0.132	66	39.789	0.035
HD 97658	GJ 3651	HIP 54906	K1	10463	15352	13	-1.654	-1.758	0.122	151	-1.706	0.086
HD 98281	GJ 423.1	HIP 55210	G8	10462	15352	13	13.330	13.294	0.128	70	13.312	0.030
HD 99491	GJ 429A	HIP 55846	K0	10419	15320	13	4.190	4.151	0.134	109	4.171	0.030
HD 100180	GJ 3669A	HIP 56242	G0	10419	15351	14	-4.854	-4.867	0.118	39	-4.860	0.030
HD 100623	GJ 432A	HIP 56452	K0	10419	15352	14	-21.959	-21.970	0.111	54	-21.964	0.030

Table 1—Continued

Star Name			Spectral Type	JD First (-2440000)	JD Last (-2440000)	Duration (years)	Nidever RV[a] (km s⁻¹)	Present RV[b] (km s⁻¹)	σ_{RV}[c] (km s⁻¹)	# Obs[d]	Final RV[e] (km s⁻¹)	Unc[f] (km s⁻¹)
HD 101259	HIP 56830	GJ 3679	G6	10462	14808	12	96.905	96.718	0.156	3	96.812	0.161
HD 104067	HIP 58451	GJ 1153	K2	10462	15315	13	15.021	14.963	0.110	40	14.992	0.056
HD 105631	HIP 59280	GJ 3706	K0	10463	15231	13	-2.428	-2.516	0.121	120	-2.472	0.077
HD 106156	HIP 59572	GJ 3715	G8	10463	15174	13	-7.415	-7.256	0.069	4	-7.336	0.118
HD 111515	HIP 62607	GJ 3752	G8	10463	14549	11	2.548	2.578	0.069	7	2.563	0.030
HD 116442	HIP 65352	GJ 3781A	G5	10463	15315	13	28.421	28.401	0.151	37	28.411	0.030
HD 116443	HIP 65355	GJ 3782B	G5	10463	15320	13	27.416	27.351	0.117	82	27.383	0.046
HD -	HIP 65859	GJ 514	M0.5	10546	14964	12	14.556	14.506	0.107	25	14.531	0.043
HD 119850	HIP 67155	GJ 526	M1.5	10546	15257	13	15.809	15.748	0.110	20	15.778	0.030
HD 120467	HIP 67487	GJ 529	K4	10546	15315	13	-37.806	-37.450	0.089	21	-37.628	0.060
HD 122120	HIP 68337	GJ 535	K5	10546	15285	13	-57.444	-57.440	0.105	45	-57.442	0.030
HD 122652	HIP 68593	GJ -	F8	10832	15232	12	1.409	1.558	0.107	5	1.484	0.149
HD 125184	HIP 69881	GJ 541.1	G5	10277	13985	10	-12.377	-12.285	0.117	12	-12.331	0.094
HD 125455	HIP 70016	GJ 544	K1	10276	15315	14	-9.806	-9.906	0.117	26	-9.856	0.036
HD 132142	HIP 73005	GJ 31.4	K1	10546	15345	13	-14.771	-14.806	0.104	32	-14.789	0.076
HD 136713	HIP 75253	GJ 1191	K2	10277	15256	14	-6.037	-6.067	0.127	93	-6.052	0.030
HD 136834	HIP 75266	GJ 1192	K3	10276	13935	10	-26.374	-26.460	0.018	3	-26.417	0.077
HD 139323	HIP 76375	GJ 591	K3	10546	15261	13	-67.101	-67.108	0.131	123	-67.105	0.030
HD 141004	HIP 77257	GJ 598	G0	6960	15315	23	-66.416	-66.363	0.126	179	-66.390	0.070
HD 144585	HIP 78955	GJ -	G5	10547	14295	10	-14.067	-13.961	0.116	17	-14.014	0.112
HD 146233	HIP 79672	GJ 616	G2	10284	15352	14	11.748	11.763	0.124	114	11.756	0.046
HD 151541	HIP 81813	GJ 637.1	K1	10546	15285	13	9.475	9.470	0.131	39	9.473	0.030
HD 151288	HIP 82003	GJ 638	K5	10602	15343	13	-31.357	-31.341	0.121	35	-31.349	0.030
HD 154345	HIP 83389	GJ 54.2	G8	10547	15351	13	-46.930	-46.959	0.122	88	-46.945	0.030
HD 154363	HIP 83591	GJ 653	K5	10276	15322	14	34.146	34.044	0.118	34	34.095	0.140
HD 157214	HIP 84862	GJ 672	G0	6958	15351	23	-78.546	-78.572	0.119	40	-78.559	0.041
HD 157881	HIP 85295	GJ 673	K5	10276	15081	13	-23.199	-23.037	0.065	3	-23.118	0.291
HD 159222	HIP 85810	GJ 56.3	G5	10547	15322	13	-51.605	-51.506	0.121	90	-51.556	0.069
HD -	HIP 86162	GJ 687	M3.5	10604	15016	12	-28.779	-28.660	0.109	73	-28.720	0.104
HD -	HIP 86287	GJ 686	M1	10605	15043	12	-9.515	-9.483	0.112	37	-9.499	0.047
HD 161848	HIP 87089	GJ 9605	K1	10276	13935	10	-94.929	-94.982	0.124	3	-94.955	0.041
HD -	HIP 87937	GJ 699	M4	6958	14930	22	-110.506	-110.326	0.132	75	-110.416	0.158
HD 164922	HIP 88348	GJ 700.2	K0	10276	15321	14	20.248	20.224	0.098	100	20.236	0.031
HD 165222	HIP 88574	GJ 701	M1	6959	15352	23	32.671	32.571	0.160	58	32.621	0.067

Table 1—Continued

Star Name		GJ	Spectral Type	JD First (−2440000)	JD Last (−2440000)	Duration (years)	Nidever RV[a] (km s⁻¹)	Present RV[b] (km s⁻¹)	σ_{RV}[c] (km s⁻¹)	# Obs[d]	Final RV[e] (km s⁻¹)	Unc[f] (km s⁻¹)
HD 166620	HIP 88972	GJ 706	K2	6959	15261	23	-19.418	-19.512	0.107	42	-19.465	0.054
HD 170493	HIP 90656	GJ 715	K3	10276	15043	13	-54.752	-54.801	0.109	44	-54.776	0.031
HD 170657	HIP 90790	GJ 716	K1	9201	15322	17	-43.131	-43.142	0.161	13	-43.137	0.065
HD 172051	HIP 91438	GJ 722	G5	10284	15136	13	37.103	37.087	0.121	43	37.095	0.030
HD 173701	HIP 91949	GJ 725.1	K0	10548	14987	12	-45.602	-45.658	0.093	31	-45.630	0.038
HD 175541	HIP 92895	GJ 736	G8	10284	15352	14	19.698	19.650	0.112	41	19.674	0.031
HD 176982	HIP 93518	GJ 740.1	G5	10284	14024	10	-6.793	-6.856	0.062	3	-6.825	0.070
HD 182488	HIP 95319	GJ 758	G8	11005	15319	12	-21.508	-21.462	0.134	55	-21.485	0.046
HD 182572	HIP 95447	GJ 759	G8	10367	15319	14	-100.292	-100.285	0.126	61	-100.289	0.030
HD 187923	HIP 97767	GJ 4126	G0	10277	15319	14	-20.611	-20.626	0.138	99	-20.619	0.030
HD 188512	HIP 98036	GJ 771A	G8	6960	15319	23	-40.109	-40.039	0.122	20	-40.074	0.082
HD 190404	HIP 98792	GJ 778	K1	10276	15016	13	-2.527	-2.543	0.155	30	-2.535	0.038
HD 191785	HIP 99452	GJ 783.2	K1	10277	15111	13	-49.286	-49.291	0.119	28	-49.289	0.054
HD 196761	HIP 101997	GJ 796	G8	10277	15318	14	-41.987	-41.873	0.115	46	-41.930	0.065
HD 197076	HIP 102040	GJ 797A	G5	10366	15318	14	-35.409	-35.395	0.110	160	-35.402	0.030
HD -	HIP 102401	GJ 806	M1.5	7374	15015	21	-24.702	-24.692	0.116	41	-24.697	0.070
HD 199305	HIP 103096	GJ 809	M0.5	10602	14984	12	-17.161	-17.127	0.133	19	-17.144	0.086
HD 202751	HIP 105152	GJ 825.3	K2	10366	15111	13	-27.427	-27.468	0.104	39	-27.448	0.030
HD 204587	HIP 106147	GJ 830	K5	10366	15084	13	-84.186	-84.021	0.103	20	-84.103	0.116
HD 210302	HIP 109422	GJ 849.1	F6	11342	15136	10	-16.259	-16.049	0.194	36	-16.154	0.210
HD 216259	HIP 112870	GJ -	K0	10276	14809	12	1.291	1.192	0.125	63	1.241	0.096
HD 216899	HIP 113296	GJ 880	M1.5	10666	14809	11	-27.317	-27.194	0.156	24	-27.255	0.124
HD 217357	HIP 113576	GJ 884	K5	10366	15135	13	16.420	16.502	0.105	49	16.461	0.060
HD 217877	HIP 113896	GJ -	F8	11006	15019	11	-12.676	-12.800	0.100	3	-12.738	0.124
HD 218566	HIP 114322	GJ 4313	K3	10367	15198	13	-37.804	-37.846	0.119	31	-37.825	0.030
HD 219538	HIP 114886	GJ 4320	K2	10462	15111	13	9.990	9.943	0.108	46	9.967	0.038
HD 220339	HIP 115445	GJ 894.5	K2	10367	15173	13	34.001	33.966	0.112	41	33.984	0.047
HD 221356	HIP 116106	GJ 9829	F8	10277	15017	13	-12.713	-12.537	0.327	4	-12.625	0.176
HD -	HIP 117473	GJ 908	M2	7047	15199	22	-71.147	-71.022	0.169	52	-71.084	0.138
HD 223498	HIP 117526	GJ 4366	G7	10367	14839	12	-23.985	-24.025	0.037	3	-24.005	0.041

[a]Radial velocities from Nidever et al. (2002)

[b]Radial velocities from the measurements made here.

cStandard deviation of all RVs measured here for this star.

dNumber of observations (spectra) used for this star.

eUnweighted average of the Nidever RV and the RV measured here. This is the recommended RV for use as a standard star.

fUncertainty in the Final RV (see text).

Table 2. Standard Star Radial Velocities with RA and DEC

Star Name	RA	DEC	V_{mag}	Spectral Type	Final RV (km s^{-1})	Unc (km s^{-1})
HD 166	0 6 36.8	29 1 17.4	6.13	K0	-6.444	0.110
HD 283	0 7 32.5	-23 49 7.4	8.70	K0	-43.174	0.147
HD 3651	0 39 21.8	21 15 1.7	5.80	K0	-32.940	0.059
HD 3765	0 40 49.3	40 11 13.8	7.36	K2	-63.191	0.030
HD 4256	0 45 4.9	1 47 7.9	8.03	K2	9.426	0.070
HD 4628	0 48 23.0	5 16 50.2	5.75	K2	-10.229	0.041
HD 8389	1 23 2.6	-12 57 57.8	7.84	K0	34.626	0.031
HD 9562	1 33 42.8	-7 1 31.2	5.76	G2	-14.990	0.030
HD 10002	1 37 8.6	-29 23 35.7	8.13	K0	11.528	0.059
HD 10145	1 41 37.7	66 54 35.8	7.70	G5	17.888	0.163
HD 10476	1 42 29.8	20 16 6.6	5.20	K1	-33.648	0.030
HD 10700	1 44 4.1	-15 56 14.9	3.50	G8	-16.629	0.030
HD 12051	1 59 6.6	33 12 34.8	7.14	G5	-35.133	0.066
HD 13043	2 7 34.3	0 -37 2.7	6.87	G2	-39.329	0.030
HD 14412	2 18 58.5	-25 56 44.5	6.34	G5	7.340	0.057
HD 16141	2 35 19.9	-3 33 38.2	6.78	G5	-50.940	0.038
HD 18803	3 2 26.0	26 36 33.3	6.62	G8	9.862	0.030
HD 20165	3 14 47.2	8 58 50.9	7.83	K1	-16.672	0.030
HD 20619	3 19 1.9	-2 50 35.5	7.10	G1.5	22.663	0.030
HD 22484	3 36 52.4	0 24 6.0	4.28	F9	28.167	0.173
HD 22879	3 40 22.1	-3 13 1.1	6.74	F9	120.340	0.049
HD 23439	3 47 2.1	41 25 38.2	8.18	K1	50.638	0.085
HD 24365	3 53 37.7	28 8 53.2	7.87	G8	19.276	0.030
HD 24238	3 55 3.8	61 10 0.5	7.85	K0	38.772	0.053
HD 26794	4 14 30.3	3 1 19.4	8.81	K3	56.487	0.109
HD 26965	4 15 16.3	-7 39 10.3	4.41	K1	-42.337	0.030
HD 28187	4 25 23.8	-35 40 32.0	7.80	G3	18.322	0.046
HD 31253	4 54 43.7	12 21 7.9	7.14	F8	12.235	0.030
HD 31560	4 55 41.9	-28 33 50.1	8.12	K3	6.205	0.058
HD 32147	5 0 49.0	-5 45 13.2	6.22	K3	21.544	0.030
HD 34721	5 18 50.5	-18 7 48.2	5.96	G0	40.475	0.047
HD 34411	5 19 8.5	40 5 56.6	4.70	G0	66.497	0.030
HD 36003	5 28 26.1	-3 29 58.4	7.64	K5	-55.558	0.030
HD 36395	5 31 27.4	-3 40 38.0	7.92	M1.5	8.676	0.039

Table 2—Continued

Star Name	RA	DEC	V_{mag}	Spectral Type	Final RV (km s^{-1})	Unc (km s^{-1})
HD 245409	5 36 31.0	11 19 40.3	8.89	K7	22.190	0.208
HD 37124	5 37 2.5	20 43 50.8	7.68	G4	-23.054	0.097
HD 38858	5 48 34.9	-4 5 40.7	5.97	G4	31.507	0.043
HD 39881	5 56 3.4	13 55 29.7	6.60	G5	0.320	0.064
HD 42581	6 10 34.6	-21 51 52.7	8.14	M1	4.738	0.030
HD 42618	6 12 0.6	6 46 59.1	6.87	G4	-53.500	0.033
HD 45184	6 24 43.9	-28 46 48.4	6.37	G2	-3.859	0.030
HD 48682	6 46 44.3	43 34 38.7	5.25	G0	-23.907	0.092
HD 265866	6 54 49.0	33 16 5.4	9.89	M3	22.942	0.120
HD 51866	7 1 38.6	48 22 43.2	8.00	K3	-21.656	0.032
HD 52711	7 3 30.5	29 20 13.5	5.93	G4	24.585	0.030
GJ 273	7 27 24.5	5 13 32.8	9.89	M3.5	18.210	0.030
HD 65583	8 0 32.1	29 12 44.5	6.94	G8	14.796	0.061
HD 67767	8 10 27.2	25 30 26.4	5.73	G7	-44.272	0.195
HD 71334	8 25 49.5	-29 55 50.1	7.82	G4	17.389	0.127
HD 73667	8 39 50.8	11 31 21.6	7.64	K1	-12.123	0.060
HD 84035	9 43 25.7	42 41 29.6	8.12	K5	-12.271	0.061
HD 84737	9 48 35.4	46 1 15.6	5.10	G0.5	4.881	0.030
HD 88230	10 11 22.1	49 27 15.3	6.61	K5	-25.710	0.063
HD 88371	10 11 48.1	23 45 18.7	8.43	G2	82.463	0.099
HD 88725	10 14 8.3	3 9 4.7	7.74	G1	-22.016	0.062
HD 89269	10 18 51.9	44 2 54.0	6.65	G5	-7.557	0.040
GJ 388	10 19 36.3	19 52 11.9	9.43	M4.5	12.453	0.064
HD 90156	10 23 55.3	-29 38 43.9	6.95	G5	26.918	0.122
HD 90711	10 28 12.1	-6 36 2.1	7.90	K0	29.903	0.030
HD 95735	11 3 20.2	35 58 11.5	7.49	M2	-84.683	0.030
HD 96700	11 7 54.4	-30 10 28.4	6.54	G2	12.787	0.066
HD 97101	11 11 5.2	30 26 45.7	8.31	K8	-16.159	0.034
HD 97343	11 12 1.2	-26 8 12.0	7.04	G8	39.789	0.035
HD 97658	11 14 33.2	25 42 37.4	7.78	K1	-1.706	0.086
HD 98281	11 18 22.0	-5 4 2.3	7.31	G8	13.312	0.030
HD 99491	11 26 45.3	3 0 47.2	6.49	K0	4.171	0.030
HD 100180	11 31 44.9	14 21 52.2	6.20	G0	-4.860	0.030
HD 100623	11 34 29.5	-32 49 52.8	5.98	K0	-21.964	0.030

Table 2—Continued

Star Name	RA	DEC	V_{mag}	Spectral Type	Final RV (km s^{-1})	Unc (km s^{-1})
HD 101259	11 39 0.4	-24 43 15.9	6.42	G6	96.812	0.161
HD 104067	11 59 10.0	-20 21 13.6	7.93	K2	14.992	0.056
HD 105631	12 9 37.3	40 15 7.4	7.47	K0	-2.472	0.077
HD 106156	12 12 57.5	10 2 15.8	7.92	G8	-7.336	0.118
HD 111515	12 49 44.8	1 11 16.9	8.10	G8	2.563	0.030
HD 116442	13 23 39.2	2 43 24.0	7.06	G5	28.411	0.030
HD 116443	13 23 40.8	2 43 31.0	7.36	G5	27.383	0.046
GJ 514	13 29 59.8	10 22 37.8	9.04	M0.5	14.531	0.043
HD 119850	13 45 43.8	14 53 29.5	8.46	M1.5	15.778	0.030
HD 120467	13 49 44.8	-22 6 39.9	8.16	K4	-37.628	0.060
HD 122120	13 59 19.4	22 52 11.1	9.04	K5	-57.442	0.030
HD 122652	14 2 31.6	31 39 39.1	7.17	F8	1.484	0.149
HD 125184	14 18 0.7	-7 32 32.6	6.50	G5	-12.331	0.094
HD 125455	14 19 34.9	-5 9 4.3	7.58	K1	-9.856	0.036
HD 132142	14 55 11.0	53 40 49.2	7.73	K1	-14.789	0.076
HD 136713	15 22 36.7	-10 39 40.0	7.99	K2	-6.052	0.030
HD 136834	15 22 42.5	1 25 7.1	8.30	K3	-26.417	0.077
HD 139323	15 35 56.6	39 49 52.0	7.56	K3	-67.105	0.030
HD 141004	15 46 26.6	7 21 11.1	4.43	G0	-66.390	0.070
HD 144585	16 7 3.4	-14 4 16.6	6.32	G5	-14.014	0.112
HD 146233	16 15 37.3	-8 22 10.0	5.50	G2	11.756	0.046
HD 151541	16 42 38.6	68 6 7.8	7.56	K1	9.473	0.030
HD 151288	16 45 6.4	33 30 33.2	8.11	K5	-31.349	0.030
HD 154345	17 2 36.4	47 4 54.8	6.74	G8	-46.945	0.030
HD 154363	17 5 3.4	-5 3 59.4	7.73	K5	34.095	0.140
HD 157214	17 20 39.6	32 28 3.9	5.40	G0	-78.559	0.041
HD 157881	17 25 45.2	2 6 41.1	7.54	K5	-23.118	0.291
HD 159222	17 32 1.0	34 16 16.1	6.56	G5	-51.556	0.069
GJ 687	17 36 25.9	68 20 20.9	9.15	M3.5	-28.720	0.104
GJ 686	17 37 53.3	18 35 30.2	9.62	M1	-9.499	0.047
HD 161848	17 47 42.1	4 56 22.7	8.91	K1	-94.955	0.041
GJ 699	17 57 48.5	4 41 36.2	9.54	M4	-110.416	0.158
HD 164922	18 2 30.9	26 18 46.8	6.99	K0	20.236	0.031
HD 165222	18 5 7.6	-3 1 52.8	9.37	M1	32.621	0.067

Table 2—Continued

Star Name	RA	DEC	V_{mag}	Spectral Type	Final RV (km s^{-1})	Unc (km s^{-1})
HD 166620	18 9 37.4	38 27 28.0	6.37	K2	-19.465	0.054
HD 170493	18 29 52.4	-1 49 5.2	8.05	K3	-54.776	0.031
HD 170657	18 31 19.0	-18 54 31.7	6.82	K1	-43.137	0.065
HD 172051	18 38 53.4	-21 3 6.7	5.87	G5	37.095	0.030
HD 173701	18 44 35.1	43 49 59.8	7.52	K0	-45.630	0.038
HD 175541	18 55 40.9	4 15 55.2	8.03	G8	19.674	0.031
HD 176982	19 2 44.4	0 -42 40.4	8.35	G5	-6.825	0.070
HD 182488	19 23 34.0	33 13 19.1	6.36	G8	-21.485	0.046
HD 182572	19 24 58.2	11 56 39.9	5.16	G8	-100.289	0.030
HD 187923	19 52 3.4	11 37 42.0	6.10	G0	-20.619	0.030
HD 188512	19 55 18.8	6 24 24.3	3.71	G8	-40.074	0.082
HD 190404	20 3 52.1	23 20 26.5	7.28	K1	-2.535	0.038
HD 191785	20 11 6.1	16 11 16.8	7.33	K1	-49.289	0.054
HD 196761	20 40 11.8	-23 46 25.9	6.37	G8	-41.930	0.065
HD 197076	20 40 45.1	19 56 7.9	6.45	G5	-35.402	0.030
GJ 806	20 45 4.1	44 29 56.7	10.79	M1.5	-24.697	0.070
HD 199305	20 53 19.8	62 9 15.8	8.54	M0.5	-17.144	0.086
HD 202751	21 18 3.0	0 9 41.7	8.23	K2	-27.448	0.030
HD 204587	21 30 2.8	-12 30 36.3	9.10	K5	-84.103	0.116
HD 210302	22 10 8.8	-32 32 54.3	4.92	F6	-16.154	0.210
HD 216259	22 51 26.4	13 58 11.9	8.30	K0	1.241	0.096
HD 216899	22 56 34.8	16 33 12.4	8.66	M1.5	-27.255	0.124
HD 217357	23 0 16.1	-22 31 27.6	7.89	K5	16.461	0.060
HD 217877	23 3 57.3	-4 47 41.5	6.68	F8	-12.738	0.124
HD 218566	23 9 10.7	-2 15 38.7	8.60	K3	-37.825	0.030
HD 219538	23 16 18.2	30 40 12.7	8.09	K2	9.967	0.038
HD 220339	23 23 4.9	-10 45 51.3	7.80	K2	33.984	0.047
HD 221356	23 31 31.5	-4 5 14.7	6.49	F8	-12.625	0.176
GJ 908	23 49 12.5	2 24 4.4	8.98	M2	-71.084	0.138
HD 223498	23 50 5.7	2 52 37.8	8.41	G7	-24.005	0.041

Table 3. Absolute Radial Velocities for 2086 Nearby FGKM Stars

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 10002	V	3945	1193	11.528	5	0.045
HD 100069	V	3778	0	-7.674	1	NaN
HD 10008	V	3971	620	11.689	5	0.026
HD 10013	V	4072	447	-61.891	5	0.057
HD 10015	V	3983	2	2.281	4	0.105
HD 100180	V	4539	2009	-4.860	40	0.117
HD 100337	V	4868	1096	-30.480	8	0.134
HD 100623	V	4376	1950	-21.964	56	0.110
HD 100920	V	3838	0	14.662	1	NaN
HD 101165	V	3778	0	18.010	1	NaN
HD 101259	V	3887	1438	96.812	3	0.156
HD 101348	V	4086	0	11.697	1	NaN
HD 101444	V	3778	0	-1.443	1	NaN
HD 10145	V	4257	1871	17.888	4	0.158
HD 101501	V	5052	243	-5.464	2	0.105
HD 101675	V	3897	473	-13.786	4	0.143
HD 101847	V	3758	83	4.100	9	0.133
HD 101904	V	3846	156	-10.364	9	0.139
HD 10195	V	3689	0	10.076	1	NaN
HD 101959	V	4234	1828	-0.912	6	0.058
HD 102070	V	3838	0	4.121	1	NaN
HD 102071	V	4228	1828	-10.600	6	0.781
HD 102158	V	3576	354	28.124	2	0.174
HD 102195	V	4075	1605	1.930	18	0.153
HD 102283	V	3778	0	-13.092	1	NaN
HD 102329	V	5042	1157	14.580	14	0.093
HD 102365	V	4497	742	16.911	18	0.070
HD 102444	V	4951	1104	23.056	8	0.143
HD 102956	V	5181	1164	-26.025	23	0.113
HD 103047	V	5317	55	-4.593	2	0.013
HD 10336	V	3689	0	-13.548	1	NaN
HD 103417	V	3937	473	-9.408	3	0.016
HD 103432	V	3619	437	6.164	2	0.163
HD 103459	V	4372	1830	19.708	15	0.125

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 10353	V	3695	2	-6.463	3	0.078
HD 103813	V	5333	86	42.203	2	0.170
HD 103828	V	3898	473	-50.050	4	0.156
HD 103829	V	4173	1753	-2.162	3	0.481
HD 10383	V	4947	1041	20.676	11	0.153
HD 103847	V	4103	704	5.048	5	0.079
HD 103890	V	3612	851	31.076	4	0.170
HD 103932	V	4195	1980	48.388	65	0.152
HD 104017	V	4935	1097	-4.577	8	0.134
HD 104067	V	4597	1914	14.992	40	0.110
HD 104263	V	3929	6	42.969	5	0.127
HD 104304	V	4805	1239	0.105	36	0.109
HD 10436	V	4032	1541	-50.946	9	0.063
HD 104389	V	4005	474	-11.336	12	0.132
HD 10442	V	4827	1355	7.804	17	0.108
HD 104437	V	3898	473	-18.695	4	0.190
HD 104556	V	3635	354	-10.791	3	0.179
HD 104576	V	4493	0	-10.458	1	NaN
HD 104588	V	3898	473	-10.058	4	0.159
HD 10476	V	3966	2139	-33.648	136	0.103
HD 10479	V	5106	704	2.045	15	0.191
HD 104800	V	3565	472	10.027	3	0.142
HD 104860	V	3907	1798	-11.660	8	0.149
HD 104985	V	4128	1833	-20.102	3	0.277
HD 105	V	3955	1778	2.162	4	0.200
HD 105113	V	3834	769	31.913	6	0.054
HD 105279	V	3923	1469	-13.199	5	0.080
HD 105304	V	4329	301	35.585	6	0.079
HD 105546	V	4258	0	18.195	1	NaN
HD 105618	V	3546	468	7.460	3	0.097
HD 105631	V	4558	1832	-2.472	120	0.121
HD 105811	V	5336	84	-37.612	3	0.138
HD 105844	V	3778	0	0.474	1	NaN
HD 105963	V	3778	0	-5.379	1	NaN

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 106088	V	4176	508	-14.107	9	0.112
HD 106116	V	3619	437	14.634	2	0.089
HD 106156	V	4336	1773	-7.336	4	0.069
HD 106270	V	5016	1156	24.331	14	0.152
HD 106279	V	4905	1127	-45.801	8	0.403
HD 106314	V	5332	84	-4.116	2	0.015
HD 106421	V	3666	686	6.222	8	0.078
HD 106949	V	3481	0	6.936	1	NaN
HD 10697	V	4723	2139	-45.919	7	0.132
HD 10700	V	4309	1994	-16.629	460	0.121
HD 107087	V	3616	382	8.635	2	0.448
HD 107146	V	4245	1796	1.904	6	0.196
HD 107148	V	4289	1982	25.287	23	0.128
HD 107211	V	3937	473	4.802	3	0.056
HD 10780	V	4045	1871	2.814	13	0.086
HD 10790	V	4564	1993	-25.689	7	0.122
HD 107990	V	4839	1097	-6.554	11	0.071
HD 108189	V	4821	1104	-3.686	7	0.153
HD 10823	V	4940	916	25.650	19	0.138
HD 108300	V	3778	0	1.004	1	NaN
HD 108351	V	3849	732	0.529	4	0.154
HD 108863	V	5003	1160	-27.984	16	0.109
HD 108874	V	4512	1978	-30.069	23	0.101
HD 108916	V	3778	0	-0.020	1	NaN
HD 108942	V	3937	473	-11.008	3	0.025
HD 109159	V	4908	1159	9.348	8	0.114
HD 109202	V	3780	3	-9.391	2	0.024
HD 109218	V	4894	1159	18.423	8	0.091
HD 109286	V	3778	0	-7.587	1	NaN
HD 109331	V	3954	354	6.143	2	0.105
HD 109358	V	4278	1952	6.228	70	0.151
HD 109409	V	3548	441	18.191	3	0.129
HD 109718	V	3898	473	-16.054	4	0.135
HD 109749	V	3820	1952	-13.135	20	0.122

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 109929	V	3874	1438	-10.706	13	0.170
HD 1100	V	4663	795	22.749	7	0.132
HD 110044	V	4048	473	-6.730	7	0.148
HD 1020	V	3622	784	22.739	3	0.079
HD 110315	V	4476	1828	24.357	39	0.129
HD 110537	V	3477	414	35.585	8	0.108
HD 110743	V	3927	1	-2.980	3	0.045
HD 110745	V	3779	2	-3.326	2	0.300
HD 110897	V	4667	1801	80.358	36	0.139
HD 111031	V	4751	1922	-20.346	55	0.118
HD 111096	V	3425	0	14.520	1	NaN
HD 111153	V	3432	114	-24.307	12	0.147
HD 11131	V	3753	53	-4.394	12	0.111
HD 111395	V	4283	1639	-8.911	5	0.107
HD 111484a	V	3634	376	-20.797	3	0.157
HD 111484b	V	3413	27	-19.037	4	0.377
HD 111515	V	4249	1148	2.563	7	0.069
HD 111528	V	3778	0	45.463	1	NaN
HD 111606	V	3778	0	-27.659	2	0.009
HD 111631	M	4456	1920	5.017	17	0.085
HD 11170	V	3798	596	-10.803	6	0.139
HD 111814	V	4157	1410	-2.185	11	0.121
HD 112019	V	3954	353	25.066	2	0.271
HD 112115	V	5175	832	3.973	10	0.101
HD 112257	V	4297	1772	-39.428	6	0.118
HD 112337	V	4250	3	-20.215	3	0.096
HD 112415	V	4060	474	7.530	4	0.045
HD 11271	V	4223	827	9.276	4	0.098
HD 112742	V	5333	86	7.046	2	0.008
HD 112973	V	4818	1097	-34.986	8	0.146
HD 112988	V	4989	1163	-32.842	13	0.184
HD 113039	V	3778	0	-4.714	1	NaN
HD 113194	V	3748	0	10.632	1	NaN
HD 115595	V	5350	60	-40.717	2	0.029

Table 3—Continued

Star Name	Template[a]	$<JD>$ -2450000	ΔT (days)	$<RV>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 11373	V	3621	723	-27.449	5	0.191
HD 113938	V	3778	0	7.395	1	NaN
HD 113983	V	3452	151	0.495	4	0.194
HD 114161	V	4893	1100	-7.180	9	0.157
HD 114174	V	3480	0	24.587	2	0.028
HD 11437	V	5259	6	25.574	3	0.133
HD 114375	V	4250	3	-39.976	4	0.144
HD 114506	V	3778	0	-26.778	1	NaN
HD 114613	V	4476	1039	-13.095	28	0.061
HD 114659	V	4889	1081	-1.322	8	0.096
HD 114729	V	4957	1536	64.905	4	0.084
HD 114783	V	4503	2138	-12.012	63	0.096
HD 114826	V	3778	0	-12.843	1	NaN
HD 114946	V	4552	1655	-48.283	2	0.159
HD 1506	V	4633	2012	-7.421	55	0.117
HD 115404a	V	3828	2015	7.853	6	0.209
HD 115589	V	3633	417	-21.193	2	0.544
HD 115617	V	4251	2011	-7.844	184	0.128
HD 116029	V	4958	1163	-6.923	15	0.181
HD 1616	V	3689	0	-11.790	1	NaN
HD 116321	V	3475	201	-25.119	20	0.106
HD 116442	V	4141	1917	28.411	37	0.151
HD 116443	V	4309	2141	27.383	83	0.117
HD 116956	M	4148	794	-12.183	22	0.096
HD 117122	V	4093	473	0.280	6	0.123
HD 117176	V	4780	1442	4.882	37	0.124
HD 117207	V	4957	1536	-17.457	4	0.073
HD 11731	V	3804	436	-22.767	4	0.108
HD 117378	V	3778	0	-9.485	1	NaN
HD 117434	V	5334	89	2.879	2	0.039
HD 117497	V	3446	58	-6.618	9	0.064
HD 117576	V	3779	2	-25.532	2	0.275
HD 117623	V	3530	515	-6.631	15	0.127
HD 117762	V	4825	1103	-26.104	8	0.131

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 11791	V	3695	2	18.130	3	0.084
HD 117936	V	3839	1991	-5.864	4	0.212
HD 117987	V	3725	0	-74.955	1	NaN
HD 118006	V	3778	0	-36.779	1	NaN
HD 118034	V	3778	0	-7.958	1	NaN
HD 118082	V	4799	1103	-26.805	8	0.129
HD 11850	V	4369	1933	1.941	5	0.153
HD 118722	V	3780	0	0.927	1	NaN
HD 118744	V	5017	1159	-0.025	15	0.107
HD 118914	V	3441	85	16.680	2	0.140
HD 11964a	V	4049	2023	-9.306	76	0.150
HD 11970	V	4747	832	-14.377	6	0.734
HD 119824	V	3778	0	-2.630	1	NaN
HD 119850	M	4405	1291	15.778	20	0.110
HD 11997	V	3695	1	29.297	2	0.067
HD 120066	V	4604	1772	-30.559	3	0.045
HD 12039	V	5092	424	6.341	4	0.273
HD 120467	V	4530	1979	-37.628	23	0.121
HD 120476a	V	4037	1833	-20.238	3	0.106
HD 1205	V	4944	1355	6.561	14	0.183
HD 12051	V	4492	2017	-35.133	117	0.146
HD 120528	V	4048	473	-22.803	7	0.181
HD 120531	V	4840	1069	24.663	9	0.278
HD 120636	V	5334	89	-13.517	2	0.096
HD 120666	V	3780	3	-1.675	2	0.016
HD 121135	V	4258	0	125.174	1	NaN
HD 121151	V	3778	0	-37.437	1	NaN
HD 121320	V	4275	1959	-11.944	5	0.079
HD 12137	V	4701	830	-12.799	7	0.192
HD 121550	V	4439	1085	-11.057	35	0.094
HD 121579	V	3670	1151	13.162	5	0.097
HD 12164	V	4718	735	-18.252	6	0.148
HD 12165	V	3695	2	-15.730	3	0.065
HD 122064	V	3950	2076	-26.524	85	0.120

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 122120	V	4305	1884	-57.442	45	0.105
HD 122253	V	4679	1098	-9.990	7	0.106
HD 122255	V	3389	29	25.546	3	0.103
HD 122303	M	4335	1895	-25.825	24	0.096
HD 12235	V	5257	0	-18.243	1	NaN
HD 122517	V	5366	23	-12.121	3	0.013
HD 122563	V	4258	0	-26.508	1	NaN
HD 122652	V	4235	1806	1.484	5	0.107
HD 122683	V	3495	206	6.077	3	0.065
HD 122973	V	4014	617	-11.875	9	0.138
HD 123239	V	4764	1025	41.990	8	0.090
HD 123265	V	4088	647	-41.642	4	0.052
HD 123613	V	3601	350	-1.890	2	0.119
HD 123812	V	4377	389	23.502	3	0.115
HD 124106	V	4765	1915	3.352	8	0.046
HD 124257a	V	3566	416	3.135	3	0.071
HD 124257b	V	3671	559	3.091	4	0.098
HD 124292	V	4711	1832	37.725	39	0.133
HD 124641	V	5049	743	11.842	5	0.424
HD 124642	M	3560	350	-16.049	3	0.105
HD 12484	V	4344	1537	4.960	9	0.101
HD 125184	V	3701	746	-12.331	12	0.117
HD 125217	V	4778	1122	-6.304	8	0.430
HD 125390	V	4830	1162	-76.758	7	0.222
HD 125455	V	4402	1979	-9.856	28	0.114
HD 125612	V	4671	1776	-18.255	42	0.107
HD 126053	V	4385	1898	-19.287	43	0.121
HD 126203	V	3763	849	-29.360	10	0.090
HD 126532	V	3589	375	22.344	2	0.002
HD 126583	V	3512	416	0.702	5	0.090
HD 12661	V	4566	1992	-47.309	20	0.141
HD 126614	V	4713	1537	-32.896	49	0.174
HD 126631	V	4258	0	-19.112	1	NaN
HD 126831	V	3456	55	19.391	2	0.104

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 126990	V	5288	54	7.697	2	0.242
HD 126991	V	4792	1097	-94.578	9	0.112
HD 127334	V	4678	1445	-0.401	51	0.118
HD 127374	V	4765	1027	-35.966	20	0.122
HD 127741	V	5320	0	9.336	1	NaN
HD 128095	V	4861	1162	28.952	9	0.309
HD 128165	M	3560	350	11.441	3	0.218
HD 128311	V	4368	2137	-9.521	38	0.191
HD 12846	V	4297	1957	-4.694	86	0.105
HD 128642	V	3429	3	-35.902	6	0.723
HD 128720	V	4896	1122	16.832	8	0.100
HD 128987	V	3961	1768	-22.948	7	0.073
HD 129010	V	3634	417	-7.671	2	0.602
HD 129191	V	3634	416	12.673	2	0.076
HD 1293	V	4652	507	45.140	10	0.082
HD 129333	V	4246	1771	-20.044	10	0.677
HD 129471	V	3925	643	26.166	2	0.073
HD 129601	V	4892	1162	-14.491	8	0.150
HD 129814	V	3541	602	6.501	2	0.076
HD 130004	M	3537	347	-9.531	6	0.124
HD 130048	V	5320	0	-20.891	1	NaN
HD 130087	V	3634	416	-15.624	2	0.143
HD 130307	M	3455	58	12.844	2	0.160
HD 130322	V	4675	1952	-12.503	5	0.113
HD 13043	V	4593	1994	-39.329	122	0.102
HD 130666	V	4250	3	-49.056	3	0.142
HD 130672	V	3604	0	-30.798	1	NaN
HD 130871	V	3426	0	-32.318	1	NaN
HD 130992	V	4264	1537	-57.193	51	0.127
HD 131117	V	3634	416	-28.754	2	0.139
HD 131156	V	4998	322	1.762	3	0.088
HD 131156b	V	4839	0	2.610	1	NaN
HD 131183	V	4437	1627	-26.414	8	0.076
HD 131496	V	4983	1122	1.146	14	0.131

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 131509	V	3503	603	-44.749	3	0.167
HD 131580	V	3778	0	-31.124	1	NaN
HD 13167	V	4886	892	15.780	11	0.075
HD 131977	V	4461	1388	27.063	3	0.140
HD 132130	V	3778	0	11.222	1	NaN
HD 132133	V	3604	0	-30.056	1	NaN
HD 132142	V	4628	2106	-14.789	32	0.104
HD 132425	V	3763	29	-10.219	2	0.222
HD 132505	V	3426	0	-15.563	1	NaN
HD 1326	M	4037	1796	11.817	44	0.110
HD 1326b	M	3928	0	10.960	1	NaN
HD 133125	V	3992	320	-14.263	5	0.050
HD 133233	V	3876	431	1.537	18	0.133
HD 133295	V	4354	1989	-2.174	6	0.208
HD 1345	V	4024	0	22.362	1	NaN
HD 1357	V	3622	784	25.145	3	0.093
HD 1361	V	4024	0	6.802	1	NaN
HD 1382	V	4386	1779	20.026	7	0.112
HD 134047	V	3842	0	3.039	1	NaN
HD 134048	V	3574	6	13.608	3	0.107
HD 134319	V	4396	1805	-6.357	5	0.110
HD 134353	V	3651	350	-24.131	3	0.064
HD 134439	V	3427	0	-119.632	1	NaN
HD 134440	V	3427	0	-72.423	1	NaN
HD 13483	V	3641	693	-12.077	3	0.152
HD 134987	V	4523	1948	5.068	29	0.111
HD 135101a	V	4891	1719	-38.885	13	0.122
HD 135143	V	3778	0	-4.299	1	NaN
HD 135148	V	4258	0	-96.007	1	NaN
HD 135446	V	3562	30	-9.102	12	0.110
HD 13555	V	4085	0	5.771	1	NaN
HD 135724	V	3778	0	12.252	1	NaN
HD 13579	V	3899	1059	-12.859	3	0.121
HD 13584	V	3604	0	6.212	1	NaN

Table 3—Continued

Star Name	Template[a]	$\langle JD\rangle$ -2450000	ΔT (days)	$\langle RV\rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 135872	V	5335	31	-20.488	2	0.108
HD 136028	V	3842	0	-13.813	1	NaN
HD 13612b	V	3605	729	-5.422	2	0.156
HD 136159	V	5330	115	-11.975	3	0.070
HD 136274	V	3732	536	-30.515	3	0.125
HD 136352	V	4340	1039	-68.923	37	0.083
HD 136418	V	5004	1158	-34.407	28	0.197
HD 136442	V	4259	1960	-46.986	37	0.102
HD 136513	V	4972	1094	-59.606	15	0.152
HD 136618	V	3604	0	-18.962	1	NaN
HD 136713	V	4446	2017	-6.052	93	0.127
HD 136834	V	3534	695	-26.417	3	0.018
HD 136925	V	3680	509	-49.011	2	0.028
HD 137368	V	5288	54	-8.820	2	0.146
HD 13747	V	5261	0	18.603	1	NaN
HD 137631	V	3604	0	-50.093	1	NaN
HD 13773	V	4172	295	9.193	2	0.068
HD 137778	V	4093	2082	7.911	6	0.295
HD 137985	V	3624	154	-0.660	3	0.100
HD 138278	V	3399	1	-12.712	2	0.087
HD 13836	V	3642	693	1.076	3	0.121
HD 1384	V	4987	973	-35.185	30	0.135
HD 138549	V	3774	534	11.927	3	0.038
HD 138600	V	3552	24	-37.465	7	0.085
HD 138776	V	3633	411	10.632	2	0.144
HD 1388	V	3856	1487	28.574	3	0.157
HD 13931	V	4815	2022	30.586	27	0.139
HD 139323	V	4593	2135	-67.105	124	0.131
HD 139457	V	3534	695	37.592	3	0.049
HD 139477	V	4370	1782	-8.630	2	0.077
HD 139813	V	4193	1805	-15.787	5	0.216
HD 139879	V	3604	0	-8.865	1	NaN
HD 139907	V	3905	978	-29.394	5	0.171
HD 13997	V	3793	1193	-20.788	6	0.112

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 13999	V	3695	1	18.536	2	0.133
HD 140025	V	4881	976	30.158	9	0.103
HD 140296	V	3778	0	-10.063	1	NaN
HD 140538a	V	4181	2075	19.021	131	0.105
HD 141004	V	4211	1914	-66.390	179	0.126
HD 141085	V	3604	0	-44.352	1	NaN
HD 141186	V	3633	236	-39.418	4	0.116
HD 141272	V	3878	1743	-26.394	7	0.076
HD 141399	V	5051	1954	-21.912	49	0.129
HD 141680	V	3842	0	-3.770	1	NaN
HD 141712	V	4685	1121	-23.235	13	0.144
HD 141885	V	3594	380	-15.963	3	0.106
HD 141937	V	4391	2112	-2.815	14	0.135
HD 141943	V	4838	296	-0.907	2	0.369
HD 142091	V	5330	116	-25.107	3	0.110
HD 142229	V	4199	1002	-22.315	5	0.221
HD 14223	V	3604	0	31.544	1	NaN
HD 142245	V	4907	1122	6.708	12	0.117
HD 142626	V	3733	537	9.116	3	0.141
HD 142943	V	3399	1	-16.177	2	0.118
HD 143006	V	3809	1775	-1.800	14	0.167
HD 143174	V	4542	1806	-43.590	52	0.133
HD 143291	V	3502	598	-72.594	3	0.091
HD 143332	V	3472	149	-30.485	9	0.114
HD 14374	V	3623	783	25.195	3	0.315
HD 143761	V	5178	1449	17.873	79	0.111
HD 14412	V	4062	1993	7.340	73	0.129
HD 144287	V	4128	1297	-49.293	35	0.259
HD 144579	V	3919	2076	-59.457	61	0.099
HD 144585	V	4072	1055	-14.014	17	0.116
HD 144988	V	3335	191	-53.220	2	0.058
HD 145224	V	3778	0	-27.545	1	NaN
HD 145229	V	5026	542	-36.103	4	0.045
HD 145331	V	3604	0	-58.052	1	NaN

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s⁻¹)	Obs	σ_RV (km s⁻¹)
HD 145675	V	4515	2141	-13.803	90	0.124
HD 145809	V	3425	365	21.158	3	0.027
HD 145934	V	4496	1916	-28.013	14	0.214
HD 145958a	V	4244	1690	18.308	70	0.103
HD 145958b	V	4144	1484	18.426	46	0.100
HD 146050	V	3729	392	-0.702	4	0.087
HD 1461	V	4330	2143	-10.158	437	0.116
HD 146233	V	4245	1901	11.756	117	0.128
HD 146278	V	4834	976	11.352	8	0.085
HD 146362b	V	4509	1952	-14.828	37	0.107
HD 146434	V	3604	0	-52.566	1	NaN
HD 14651	V	3793	1104	53.685	5	0.427
HD 14655	V	3899	1863	0.787	37	0.108
HD 146775	V	3400	240	-30.111	3	0.061
HD 147062	V	3604	0	-46.978	1	NaN
HD 147231	V	3547	0	-16.654	1	NaN
HD 147379a	M	4128	1585	-18.864	8	0.060
HD 147379b	M	4365	1556	-18.460	5	0.148
HD 147506	V	4274	1369	-19.930	119	0.305
HD 147719	V	3571	0	14.619	1	NaN
HD 147750	V	3642	723	-37.053	4	0.041
HD 147752	V	3928	6	-35.016	5	0.025
HD 147776	V	4418	1743	7.218	2	0.060
HD 14787	V	4863	892	-8.220	10	0.077
HD 147887	V	3604	0	6.721	1	NaN
HD 148164	V	4150	1833	-64.494	13	0.132
HD 148238	V	3778	0	-16.948	1	NaN
HD 148284	V	4622	1751	-36.083	13	0.212
HD 148428	V	3604	0	-23.092	1	NaN
HD 148467	V	4671	1569	-36.189	23	0.090
HD 148979	V	5335	31	7.133	2	0.046
HD 149026	V	3741	1924	-18.057	46	0.107
HD 149143	V	3970	1953	12.266	32	0.167
HD 149661	V	4264	1896	-12.794	5	0.295

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 1497	V	3867	525	-7.488	2	0.210
HD 149724	V	3682	504	-33.541	2	0.109
HD 149750	V	3962	978	15.330	6	0.213
HD 149760	V	3604	0	9.309	1	NaN
HD 149806	V	4530	1425	10.471	38	0.114
HD 149907	V	5333	86	-9.995	2	0.041
HD 150122	V	3399	3	-58.657	3	0.096
HD 1502	V	4988	1037	-10.024	43	0.114
HD 150237	V	3573	5	-46.708	2	0.198
HD 150331	V	3818	744	-6.637	15	0.129
HD 150420	V	3509	568	-11.217	3	0.181
HD 150433	V	3360	240	-40.119	2	0.204
HD 150437	V	3360	240	14.142	2	0.128
HD 150554	V	4297	1804	-18.379	10	0.188
HD 150698	V	3360	240	48.248	2	0.073
HD 150706	V	4402	1805	-17.191	7	0.114
HD 150936	V	3604	0	-37.219	1	NaN
HD 151288	M	4926	1913	-31.349	33	0.132
HD 151329	V	3577	444	-26.417	5	0.482
HD 151504	V	4224	1128	-75.510	22	0.098
HD 151522	V	4469	670	-45.210	7	0.472
HD 151541	V	4290	2141	9.473	41	0.136
HD 151627	V	3842	0	-14.058	1	NaN
HD 151852	V	4823	1001	-38.440	7	0.157
HD 151877	V	3938	1116	2.117	3	0.345
HD 151995	V	3430	0	-5.554	1	NaN
HD 152125	V	3960	680	-25.716	7	0.171
HD 152391	V	5257	0	25.162	1	NaN
HD 152555	V	4337	1992	-15.891	5	0.241
HD 152581	V	4902	1116	3.739	12	0.111
HD 152733	V	4693	1054	-27.517	9	0.113
HD 152792	V	3767	505	4.624	3	0.131
HD 15335	V	3722	724	41.202	3	0.095
HD 15336	V	4756	734	-30.453	6	0.186

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 15337	V	3814	420	-3.995	2	0.089
HD 153378	V	3803	1143	-24.765	9	0.083
HD 153458	V	3535	695	0.591	3	0.073
HD 153525	V	4404	1886	-7.339	5	0.108
HD 153557	V	4187	1861	-6.564	3	0.020
HD 15367	V	3604	0	-64.275	1	NaN
HD 15391	V	4899	582	28.682	6	0.192
HD 154088	V	4463	2136	14.163	167	0.102
HD 154144	V	3883	1002	-19.163	23	0.148
HD 154325	V	3845	680	-28.603	5	0.206
HD 154345	V	4456	1945	-46.945	89	0.121
HD 154363	V	4478	1811	34.095	34	0.118
HD 154656	V	4121	648	-22.618	5	0.070
HD 154697	V	3604	0	-33.717	1	NaN
HD 154994	V	4142	648	-58.311	6	0.051
HD 155413	V	3955	142	-23.274	10	0.105
HD 155415	V	3604	0	-5.489	1	NaN
HD 155456	V	3745	535	-59.531	3	0.125
HD 155524	V	5320	0	-6.037	1	NaN
HD 155712	V	4373	1923	19.778	54	0.108
HD 155817	V	3605	0	-54.182	1	NaN
HD 155968	V	3927	646	-29.848	2	0.025
HD 156026	V	4288	1896	0.061	5	0.179
HD 156079	V	3926	645	-103.318	2	0.085
HD 156279	V	4908	2134	-20.670	36	0.289
HD 156342	V	4545	1174	-63.164	17	0.084
HD 156365	V	3360	240	-13.057	2	0.122
HD 156549	V	3552	24	16.765	7	0.123
HD 156668	V	5042	1832	-44.547	254	0.110
HD 156826	V	3422	366	-32.685	2	0.017
HD 156846	V	5071	419	-68.386	55	0.242
HD 156985	V	4736	1950	-4.805	84	0.105
HD 157172	V	3360	240	-78.978	2	0.057
HD 157214	V	4511	1923	-78.559	40	0.119

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 157261	V	5336	32	-1.087	2	0.004
HD 157299	V	3604	0	-47.361	1	NaN
HD 157338	V	3718	1569	-24.248	18	0.110
HD 157347	V	4257	2081	-35.854	99	0.126
HD 157481	V	5320	0	-52.955	1	NaN
HD 157719	V	4664	1042	-76.728	5	0.983
HD 157881	M	4119	1840	-23.118	4	0.217
HD 158038	V	4945	1121	19.632	14	0.159
HD 158173	V	3604	0	-62.633	1	NaN
HD 158210	V	3573	5	-20.555	2	0.135
HD 158259	V	4405	1712	13.605	2	0.078
HD 158449	V	4807	1065	-26.926	8	0.098
HD 158633	V	4366	1915	-38.564	31	0.113
HD 159062	V	4188	1527	-83.967	40	0.115
HD 159063	V	3431	0	-6.176	1	NaN
HD 159222	V	4148	1706	-51.556	90	0.121
HD 15928	V	4778	916	11.064	7	0.129
HD 159798	V	5320	0	-47.048	1	NaN
HD 159868	V	4297	89	-23.525	33	0.092
HD 160013	V	3635	415	1.327	2	0.250
HD 160215	V	4718	1087	-59.230	11	0.087
HD 160247	V	5312	0	-8.367	1	NaN
HD 160371	V	5379	0	-8.715	1	NaN
HD 1605	V	4371	1632	9.775	18	0.104
HD 160693	V	3683	505	33.975	2	0.176
HD 161131	V	5312	0	5.747	1	NaN
HD 161284	V	4071	474	-7.570	13	0.145
HD 16141	V	4387	1992	-50.940	17	0.112
HD 161424	V	3604	0	-49.070	1	NaN
HD 16160	V	4695	1299	25.756	62	0.142
HD 161622	V	5379	0	-6.795	1	NaN
HD 16175	V	5256	0	21.949	1	NaN
HD 16178	V	4664	796	-24.585	7	0.107
HD 161797	V	4843	587	-17.576	25	0.092

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 161848	V	3551	696	-94.955	3	0.124
HD 161897	V	4389	1587	-16.653	3	0.171
HD 162232	V	4550	1771	-72.674	20	0.083
HD 16249	V	3695	2	6.924	3	0.018
HD 162587	V	5379	0	-16.157	1	NaN
HD 16275	V	3831	1436	-7.552	4	0.057
HD 162808	V	3576	0	-30.173	1	NaN
HD 16297	V	4311	1204	-1.032	4	0.032
HD 163153	V	3532	364	-72.845	14	0.086
HD 163489	V	4320	1556	-49.414	18	0.144
HD 163528	V	4708	1122	-65.155	16	0.197
HD 163589	V	3966	824	-36.033	4	0.091
HD 163607	V	4791	1803	-10.118	38	0.142
HD 16397	V	3587	693	-99.654	2	0.115
HD 16417	V	4673	8	11.096	18	0.102
HD 164213	V	5320	0	-4.060	1	NaN
HD 164330	V	3912	680	-12.803	4	0.694
HD 164507	V	3943	793	5.310	2	0.108
HD 164509	V	4810	1810	13.640	36	0.119
HD 164595	V	3724	490	2.120	2	0.340
HD 164651	V	3393	308	-80.539	2	0.005
HD 164922	V	4151	2137	20.236	100	0.098
HD 165109	V	5330	116	-4.620	3	0.158
HD 165173	V	3583	725	0.164	3	0.061
HD 165222	M	4561	2142	32.621	62	0.141
HD 165269	V	3490	118	-0.814	2	0.270
HD 165401	V	4264	1710	-118.491	8	0.244
HD 16559	V	5261	0	-12.757	1	NaN
HD 165672	V	3604	0	-5.497	1	NaN
HD 166	V	4128	1326	-6.444	12	0.118
HD 16623	V	3551	744	17.541	3	0.097
HD 166435	V	3550	0	-14.487	1	NaN
HD 166494	V	4594	1028	-30.304	10	0.147
HD 166620	V	4342	1992	-19.465	41	0.101

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 167042	V	5317	121	-18.181	2	0.093
HD 167215	V	3696	292	-41.855	2	0.129
HD 167216	V	3561	721	-42.731	3	0.266
HD 167389	V	3720	483	-5.395	2	0.259
HD 16760	V	4126	1092	-3.566	18	0.372
HD 167665	V	3852	1486	8.523	4	0.039
HD 168009	V	4631	1380	-64.634	29	0.118
HD 168443	V	4649	2140	-48.446	24	0.328
HD 168603	V	3949	29	-32.771	2	0.007
HD 168723	V	5218	377	9.219	4	0.086
HD 168746	V	4265	1437	-25.604	2	0.075
HD 168874	V	3550	0	-20.092	1	NaN
HD 168960	V	3678	258	-9.966	2	0.078
HD 169830	V	4583	1834	-17.197	18	0.133
HD 16984	V	4664	796	69.677	7	0.258
HD 169889	V	3832	437	-17.691	3	0.031
HD 170003	V	5320	0	-3.058	1	NaN
HD 170174	V	3394	306	-28.564	2	0.519
HD 170469	V	4128	1827	-59.340	18	0.117
HD 170493	V	4382	1466	-54.776	44	0.109
HD 170512	V	3830	1127	-36.281	11	0.107
HD 170657	V	4212	2082	-43.137	13	0.161
HD 17075	V	3695	2	-34.298	3	0.044
HD 171010	V	5320	0	-33.552	1	NaN
HD 171067	V	3754	414	-46.246	2	0.025
HD 171238	V	3604	0	21.446	1	NaN
HD 17152	V	3241	0	27.857	1	NaN
HD 17156	V	4197	1425	-3.207	38	0.110
HD 171665	V	3393	307	-23.279	2	0.005
HD 17190	V	4341	523	14.045	5	0.052
HD 171918	V	3393	307	-67.213	2	0.058
HD 171999	V	3604	0	-51.888	1	NaN
HD 172043	V	5320	0	3.164	1	NaN
HD 172051	V	4237	1898	37.095	41	0.110

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 17230	V	4619	2042	11.006	32	0.110
HD 172310	V	3661	363	31.210	2	0.146
HD 172365	V	5379	0	-20.204	1	NaN
HD 172513	V	3547	0	-11.558	1	NaN
HD 17311	V	4778	916	18.516	7	0.114
HD 17354	V	3320	158	16.794	2	0.851
HD 173701	V	4285	1439	-45.630	31	0.093
HD 173739	M	4325	1436	-0.794	31	0.122
HD 173740	M	4341	1436	1.118	30	0.135
HD 173818	V	3717	2084	15.468	5	0.059
HD 17382	V	3833	407	5.841	4	0.441
HD 174080	V	3942	789	-7.083	2	0.016
HD 17449	V	3694	0	-48.965	1	NaN
HD 174622	V	3828	767	-49.990	3	0.130
HD 174719	V	3944	786	-17.270	2	0.036
HD 175425	V	3845	680	-67.588	5	0.190
HD 175441	V	3574	6	-21.276	3	0.094
HD 175541	V	4592	2141	19.674	42	0.114
HD 17620	V	4826	798	1.340	7	0.099
HD 176377	V	4845	1831	-40.681	71	0.096
HD 176414	V	3539	98	33.544	9	0.108
HD 17660	V	4248	1540	-28.997	7	0.118
HD 176650	V	5322	0	29.613	1	NaN
HD 176982	V	3604	784	-6.825	3	0.062
HD 177033	V	3604	0	-46.802	1	NaN
HD 177274	V	4230	1067	-5.141	7	0.215
HD 177572	V	3720	483	-10.245	2	0.191
HD 177830	V	4573	1841	-72.083	53	0.153
HD 178251	V	4805	982	91.769	14	0.118
HD 178911b	V	4733	1770	-40.551	16	0.345
HD 179079	V	4457	1715	19.440	70	0.107
HD 179152	V	5322	0	-20.725	1	NaN
HD 179306	V	5347	69	5.136	15	0.107
HD 179596	V	3480	1	-4.219	2	0.105

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 179949	V	4640	1468	-24.350	4	0.178
HD 179957	V	4242	1871	-41.824	79	0.119
HD 179958	V	4271	1560	-41.162	75	0.125
HD 180053	V	4999	1164	-5.874	84	0.135
HD 18015	V	4778	916	19.008	7	0.140
HD 180161	V	4185	1738	-27.036	4	0.130
HD 180617	M	4668	1829	35.730	100	0.154
HD 180684	V	3632	783	-2.002	2	0.233
HD 180902	V	4944	1041	-4.651	17	0.176
HD 181234	V	3604	784	-46.730	3	0.051
HD 181253	V	3768	1195	-28.168	21	0.153
HD 18131	V	5261	0	14.493	1	NaN
HD 181342	V	4952	1041	-0.837	21	0.135
HD 18143	V	4543	1475	31.970	44	0.145
HD 182407	V	3654	1196	-30.323	11	0.122
HD 182488	V	4838	1448	-21.485	56	0.138
HD 182572	V	3886	2081	-100.289	60	0.125
HD 182619	V	3826	412	8.280	3	0.106
HD 1832	V	3585	692	-30.492	2	0.034
HD 183216	V	4852	326	-43.069	2	0.024
HD 183263	V	4530	1831	-50.240	29	0.107
HD 183298	V	5345	69	-19.122	16	0.071
HD 183473	V	4753	1123	-46.421	10	0.089
HD 1835	V	5232	0	-2.280	1	NaN
HD 183650	V	3584	723	-9.752	3	0.031
HD 183658	V	3570	784	58.219	9	0.089
HD 183756	V	5322	0	-5.083	1	NaN
HD 183870	V	4025	2049	-48.823	4	0.304
HD 18436a	V	3642	323	30.598	3	0.058
HD 18445	V	3839	1004	50.465	5	0.487
HD 185144	V	4297	2138	26.620	424	0.112
HD 185269	V	5101	575	0.620	26	0.112
HD 185295	V	3758	422	-18.710	2	0.020
HD 185414	V	4461	1826	-15.771	36	0.189

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 186104	V	3604	0	-61.389	1	NaN
HD 18632	V	3541	743	28.924	3	0.144
HD 186408	V	4692	1391	-27.391	49	0.122
HD 186427	V	4841	1423	-27.859	62	0.147
HD 18645	V	4714	794	-2.656	7	0.122
HD 18667	V	4702	528	3.660	8	0.364
HD 186932	V	3604	0	-57.813	1	NaN
HD 18702	V	3820	1189	71.313	5	0.162
HD 187091	V	5314	9	-14.941	6	0.050
HD 187123	V	4404	2105	-16.896	30	0.099
HD 187237	V	3773	1098	-32.797	4	0.215
HD 18742	V	4868	916	-13.831	18	0.106
HD 18747	V	4489	1628	49.424	6	0.105
HD 18752	V	3562	269	20.248	2	0.391
HD 187748	V	3944	789	-5.456	2	0.135
HD 187897	V	4749	120	-37.507	2	0.044
HD 187923	V	4231	2079	-20.619	99	0.138
HD 187944	V	3480	1	-12.006	2	0.130
HD 188015	V	4201	2141	0.060	10	0.075
HD 18803	V	3909	1796	9.862	68	0.093
HD 188268	V	4121	648	9.295	5	0.105
HD 188298	V	3604	0	33.769	1	NaN
HD 188311	V	4121	648	9.773	5	0.114
HD 188345	V	4124	824	-85.627	3	0.073
HD 188376	V	3936	1768	-16.090	5	0.122
HD 188386	V	5068	1041	-73.744	22	0.145
HD 188510	V	3604	729	-192.628	2	0.175
HD 188512	V	4401	1452	-40.074	21	0.119
HD 189087	V	3945	787	-30.109	2	0.203
HD 18916	V	3654	729	-51.057	3	0.139
HD 189186	V	5322	0	56.577	1	NaN
HD 189625	V	3752	544	-28.176	2	0.064
HD 189627	V	3604	0	-14.995	1	NaN
HD 189733	V	3983	1618	-2.570	86	0.143

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 18975	V	3676	613	35.268	2	0.073
HD 18993	V	4159	375	-19.391	4	0.119
HD 190007	V	3761	1828	-30.270	11	0.105
HD 190067	V	4207	1472	20.375	96	0.126
HD 19019	V	4148	1896	24.867	7	0.122
HD 190228	V	4631	1827	-50.196	8	0.114
HD 19034	V	3551	744	-20.281	3	0.051
HD 190360	V	3979	2135	-45.253	88	0.141
HD 190404	V	4255	1777	-2.535	29	0.157
HD 190406	V	4549	1768	4.617	46	0.125
HD 19056	V	3695	2	41.549	3	0.029
HD 190571	V	5321	2	37.432	2	0.101
HD 190594	V	4281	1086	-33.632	20	0.129
HD 190821	V	4024	1089	-8.951	12	0.128
HD 190931	V	4397	1072	-25.905	10	0.098
HD 191067	V	5332	84	-3.437	2	0.120
HD 191359	V	5322	0	27.090	1	NaN
HD 191408	V	4096	2113	-129.355	78	0.121
HD 191785	V	4335	1872	-49.289	27	0.121
HD 191957	V	3271	62	-24.506	2	0.041
HD 192020	V	3755	415	-11.537	2	0.142
HD 192148	V	3576	0	-26.591	1	NaN
HD 192153	V	4830	1034	-37.994	10	0.106
HD 192263	V	4122	1804	-10.853	5	0.153
HD 192310	V	4872	2143	-54.374	103	0.118
HD 192343	V	3758	422	-0.611	2	0.035
HD 192344	V	3688	422	-0.546	3	0.032
HD 19308	V	3551	744	32.828	3	0.168
HD 193202	V	4494	1791	-1.675	51	0.111
HD 193342	V	4699	1085	-24.246	9	0.128
HD 193391	V	4998	1041	-41.912	14	0.095
HD 193690	V	4469	1038	-1.419	13	0.098
HD 193728	V	3603	0	-21.142	1	NaN
HD 19373	V	4001	1957	49.400	128	0.114

Table 3—Continued

Star Name	Template[a]	$<JD>$ -2450000	ΔT (days)	$<RV>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 193795	V	3754	415	6.833	2	0.080
HD 193901	V	3604	784	-171.504	3	0.113
HD 194080	V	3888	420	2.383	4	0.025
HD 194110	V	5322	0	-20.027	1	NaN
HD 194541	V	4650	1064	-20.453	12	0.124
HD 19467	V	3607	744	7.002	4	0.090
HD 194913	V	3573	5	8.423	2	0.135
HD 195019	V	4555	1832	-91.443	19	0.253
HD 195019b	M	4256	1177	-89.211	5	0.254
HD 19502	V	4024	0	-8.604	1	NaN
HD 195034	V	4049	1565	-0.857	5	0.249
HD 19522	V	4727	834	57.359	7	0.118
HD 195564	V	4070	1827	9.460	24	0.138
HD 195787	V	4314	82	-10.278	4	0.481
HD 195824	V	4851	1038	7.740	9	0.129
HD 196124	V	4554	1686	-42.450	59	0.108
HD 19617	V	4073	447	-27.372	5	0.133
HD 19618	V	3984	3	-26.551	4	0.094
HD 196199	V	3479	0	-27.296	1	NaN
HD 196201	V	3550	0	-19.175	1	NaN
HD 19638	V	4428	0	-1.124	1	NaN
HD 19659	V	3828	556	1.974	7	0.077
HD 196645	V	4912	1012	-33.297	12	0.114
HD 196676	V	5363	23	-0.545	2	0.150
HD 19668	V	4148	1896	14.664	7	0.062
HD 19676	V	4636	0	-41.965	1	NaN
HD 196761	V	4013	2136	-41.930	46	0.115
HD 196850	V	3337	487	-21.107	90	0.090
HD 197076	V	4518	1738	-35.402	160	0.110
HD 197162	V	4676	1094	-139.688	18	0.135
HD 197623	V	4153	825	-69.405	3	0.059
HD 19773	V	4029	1001	21.789	11	0.116
HD 197964	V	5290	0	-6.208	1	NaN
HD 198425	V	4212	1828	10.659	4	0.044

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 198483	V	3605	0	-19.338	1	NaN
HD 198599	V	3922	299	20.713	14	0.128
HD 198683	V	3604	0	-30.569	1	NaN
HD 198802	V	4261	2134	-3.102	5	0.089
HD 199019	V	4357	1651	-11.467	4	0.134
HD 199086	V	3970	734	15.766	2	0.034
HD 199100	V	3605	0	-25.874	1	NaN
HD 199178	V	5322	0	-10.198	1	NaN
HD 199255	V	5322	0	21.641	1	NaN
HD 199260	V	4838	326	-15.836	3	0.155
HD 199305	M	4498	1434	-17.144	19	0.133
HD 199381	V	5363	22	49.179	2	0.084
HD 199476	V	4503	1469	-30.335	24	0.140
HD 199580	V	5322	0	-20.795	1	NaN
HD 19961	V	3695	1	-11.626	2	0.092
HD 199683	V	3604	0	-11.223	1	NaN
HD 199960	V	4658	1825	-17.526	5	0.237
HD 200078	V	3604	0	-60.325	1	NaN
HD 200156	V	3604	0	-5.215	1	NaN
HD 200491	V	4743	1121	-7.484	8	0.157
HD 200538	V	3786	475	15.455	2	0.185
HD 200565	V	4136	1173	-3.857	2	0.214
HD 200625	V	3787	473	5.300	2	0.187
HD 200964	V	4978	974	-71.884	40	0.148
HD 200968	V	3737	1805	-32.680	12	0.117
HD 201091	V	4529	1960	-65.841	104	0.137
HD 201092	V	4312	1960	-64.420	93	0.134
HD 201203	V	3549	0	-16.550	1	NaN
HD 201219	V	4341	1468	4.919	6	0.109
HD 201378	V	3604	0	-30.698	1	NaN
HD 20155	V	3320	158	-7.949	2	0.070
HD 20165	V	4510	1803	-16.672	28	0.164
HD 201651	V	3929	1191	-12.775	6	0.072
HD 201924	V	4067	884	-49.826	5	0.071

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 201989	V	4517	1439	-23.863	4	0.097
HD 2025	V	4052	2140	3.094	4	0.153
HD 202560	V	4673	8	20.932	5	0.117
HD 202575	V	4298	1826	-18.263	3	0.109
HD 202696	V	4929	1085	-34.433	32	0.125
HD 202751	V	4505	1257	-27.448	39	0.104
HD 202867	V	4753	1067	14.212	8	0.109
HD 202917	V	3845	473	-1.499	3	0.533
HD 203030	V	4251	1259	-16.696	4	0.043
HD 203471	V	4751	1034	23.620	14	0.126
HD 203473	V	4226	404	-61.949	2	0.081
HD 204277	V	4616	1238	9.390	6	0.100
HD 20439	V	3813	209	32.234	10	0.133
HD 204587	V	4492	1533	-84.103	20	0.111
HD 204814	V	3977	878	-87.086	4	0.093
HD 205163	V	4858	1068	50.098	10	0.097
HD 205351	V	3724	453	-17.932	3	0.142
HD 205353	V	4180	313	6.028	2	0.191
HD 205855	V	4513	666	7.125	20	0.086
HD 205905	V	4270	1748	-17.076	6	0.227
HD 206116	V	4293	405	-6.512	3	0.080
HD 20618	V	5261	0	-4.708	1	NaN
HD 20619	V	4588	1895	22.663	40	0.130
HD 206332	V	4346	0	-44.428	1	NaN
HD 206374	V	4220	1776	-42.981	6	0.197
HD 206387	V	3600	718	-7.438	2	0.508
HD 206610	V	4961	1065	-18.658	26	0.104
HD 206635	V	4749	1037	-40.357	8	0.108
HD 206658	V	4286	1322	6.091	36	0.112
HD 20670	V	4416	785	15.573	2	0.050
HD 20675	V	4584	1230	23.029	2	0.487
HD 20678	V	3705	62	35.051	5	0.154
HD 206993	V	5348	52	-3.681	2	0.097
HD 207077	V	4709	1060	-20.370	7	0.090

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 207485	V	3864	421	-19.099	3	0.043
HD 207583	V	3962	715	21.955	2	0.073
HD 20781	V	3604	0	40.135	1	NaN
HD 207832	V	4486	1445	-16.682	51	0.102
HD 207839	V	4072	827	-29.891	5	0.091
HD 207874	V	4017	826	-26.747	2	0.143
HD 207897	V	3843	361	-6.551	3	0.060
HD 207966	V	3241	0	-24.701	1	NaN
HD 207978	V	4086	0	19.053	2	0.055
HD 207994	V	3620	454	-29.755	9	0.156
HD 208038	V	4226	1773	13.536	4	0.042
HD 208313	V	4673	1185	-13.228	28	0.107
HD 2085	V	4024	0	-47.402	2	0.950
HD 208585	V	4845	1062	-26.979	9	0.143
HD 208801	V	4072	2135	-50.081	3	0.067
HD 208880	V	3784	360	-15.791	2	0.019
HD 208897	V	5322	0	-14.780	1	NaN
HD 209203	V	3759	335	9.381	5	0.116
HD 209253	V	4389	1057	16.519	6	0.145
HD 209290	M	4326	1123	18.275	36	0.120
HD 209340	V	3724	453	-33.511	4	0.186
HD 209393	V	4427	1412	5.032	5	0.125
HD 209458	V	4070	1951	-14.691	28	0.114
HD 209599	V	4062	881	-0.117	5	0.101
HD 209706	V	3759	335	-19.446	5	0.140
HD 209875	V	3604	0	-40.972	1	NaN
HD 210011	V	3669	510	-10.319	10	0.070
HD 210144	V	4090	828	-33.433	5	0.054
HD 21019a	V	3970	2016	41.737	4	0.207
HD 210277	V	4358	2142	-20.844	89	0.126
HD 210302	V	4331	1584	-16.154	36	0.194
HD 210312	V	3604	0	16.476	1	NaN
HD 210320	V	4024	0	30.523	1	NaN
HD 210323	V	3759	335	-17.431	5	0.147

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 210373	V	5381	0	-40.170	1	NaN
HD 210392	V	3604	0	-1.541	1	NaN
HD 210460	V	4041	1858	20.381	4	0.047
HD 210521	V	4568	451	-13.818	5	0.135
HD 210702	V	5270	164	16.340	2	0.166
HD 211038	V	3421	365	10.331	2	0.065
HD 211080	V	3604	0	8.305	2	0.021
HD 211567	V	3624	154	-46.834	3	0.146
HD 211681	V	4319	1413	-40.288	3	0.282
HD 211810	V	4285	1484	-36.581	16	0.088
HD 21197	V	3472	744	-13.023	5	0.130
HD 212291	V	4059	2013	-5.589	39	0.100
HD 212315	V	3466	177	-10.645	3	0.614
HD 212585	V	3693	7	-16.314	4	0.129
HD 212733	V	3843	361	6.913	3	0.302
HD 212771	V	4954	1041	14.863	22	0.122
HD 212801	V	3767	434	-8.588	2	0.015
HD 213042	V	4398	1533	5.632	47	0.157
HD 213066	V	4226	405	-39.161	2	0.034
HD 21313	V	3969	0	-20.188	1	NaN
HD 21316	V	3695	2	40.584	3	0.065
HD 213278	V	4633	817	-53.476	7	0.077
HD 213329	V	4226	405	-12.736	2	0.106
HD 21340	V	4861	357	21.900	4	0.096
HD 213472	V	3603	0	16.907	1	NaN
HD 213519	V	3603	0	-31.688	1	NaN
HD 213628	V	3604	0	-50.513	1	NaN
HD 21449	V	3870	706	-5.328	14	0.123
HD 214683	V	3846	365	23.821	3	0.039
HD 214749	V	4304	744	-0.011	4	0.101
HD 214759	V	4322	30	-20.153	7	0.053
HD 214823	V	4281	1564	-44.542	14	0.230
HD 215032	V	3898	1602	21.062	13	0.083
HD 215049	V	4668	795	-29.844	5	0.130

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 215152	V	4359	1524	-13.842	39	0.121
HD 215274	V	3931	6	-9.418	4	0.138
HD 215500	V	4082	828	-45.555	5	0.064
HD 215578	V	4294	1951	-20.817	4	0.429
HD 215625	V	3604	0	8.439	1	NaN
HD 215704	V	4154	828	-51.527	8	0.092
HD 21581	V	4726	734	152.943	6	0.119
HD 215908	V	4636	705	6.348	7	0.092
HD 216083	V	3575	6	-6.312	3	0.214
HD 216175	V	3759	335	-41.508	5	0.128
HD 216191	V	4125	828	18.901	6	0.110
HD 216259	V	4389	1257	1.241	63	0.125
HD 216275	V	4426	1412	13.676	5	0.152
HD 216320	V	3793	381	-18.997	2	0.984
HD 216520	V	4935	2040	-18.720	94	0.113
HD 216722	V	5378	0	-45.529	1	NaN
HD 216803	V	4274	1619	7.152	4	0.086
HD 216834	V	4537	472	-32.615	7	0.276
HD 216899	M	4495	1257	-27.255	23	0.141
HD 217004	V	3604	0	0.298	1	NaN
HD 217014	V	4637	1452	-33.118	36	0.128
HD 217107	V	4353	2135	-13.269	50	0.132
HD 217165	V	4707	141	13.225	8	0.147
HD 217357	M	4384	1765	16.461	49	0.203
HD 21742	V	4055	678	-36.126	3	0.093
HD 217496	V	4678	854	-2.206	6	0.128
HD 217523	V	3759	335	-15.383	5	0.075
HD 217591	V	4877	1062	-9.106	18	0.149
HD 217681	V	4685	796	-0.257	6	0.079
HD 21774	V	3983	0	-3.116	1	NaN
HD 217850	V	4516	1810	7.224	17	0.177
HD 217877	V	4197	1416	-12.738	3	0.100
HD 217987	M	4485	1846	8.759	32	0.165
HD 218133	V	3563	630	-48.818	4	0.165

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 218168	V	3794	381	2.673	2	0.148
HD 218209	V	3793	381	-16.058	2	0.006
HD 218354	V	3867	592	-10.368	5	0.097
HD 218445	V	3795	858	27.606	7	0.199
HD 21847	V	3540	746	30.289	3	0.094
HD 218566	V	4548	1595	-37.825	31	0.119
HD 218868	V	4420	1245	-30.613	70	0.101
HD 218935	V	5376	0	-9.811	1	NaN
HD 219134	V	4023	2135	-18.560	151	0.127
HD 219396	V	3822	650	-46.903	5	0.119
HD 219428	V	3978	769	-6.478	10	0.154
HD 219498	V	4461	1238	-9.499	6	0.087
HD 219538	V	4367	1506	9.967	45	0.109
HD 219542	V	3421	364	-10.995	2	0.005
HD 219553	V	4533	451	3.458	5	0.101
HD 219623	V	4975	510	-27.153	5	0.114
HD 219770	V	4226	405	8.483	2	0.013
HD 219781	V	3832	679	-20.145	8	0.234
HD 219828	V	3867	592	-24.104	7	0.075
HD 219834b	V	4395	1432	10.752	29	0.097
HD 219953	V	3793	381	-48.231	2	0.047
HD 220122	V	4865	859	-46.327	13	0.124
HD 220182	V	3972	734	3.437	2	0.292
HD 220221	V	4120	1771	-13.568	4	0.123
HD 220339	V	4633	1621	33.984	41	0.112
HD 22049	V	5217	151	16.428	8	0.087
HD 22072	V	3542	744	11.039	3	0.107
HD 220845	V	3749	4	-7.269	4	0.076
HD 220908	V	4014	650	-13.666	2	0.067
HD 220952	V	4686	932	-15.604	9	0.115
HD 221149	V	4226	405	-7.161	2	0.055
HD 221354	V	4380	2039	-25.113	186	0.122
HD 221356	V	4705	1649	-12.625	3	0.081
HD 221504	V	4668	796	-1.391	5	0.133

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 221561	V	4024	0	18.685	1	NaN
HD 221822	V	3722	148	-12.709	5	0.142
HD 221851	V	4177	1771	-21.201	4	0.058
HD 221974	V	4293	405	-26.035	3	0.074
HD 222038	V	3753	393	-22.881	3	0.019
HD 222089	V	5377	0	-3.161	1	NaN
HD 222112	V	4632	854	-12.685	7	0.076
HD 22233	V	4747	916	19.434	7	0.127
HD 222335	V	4322	30	-7.296	7	0.072
HD 222368	V	4085	0	5.846	2	0.019
HD 222391	V	3803	768	-2.850	4	0.118
HD 222404	V	4371	0	-44.036	2	0.024
HD 222582	V	4809	1035	12.032	7	0.117
HD 222697	V	3954	766	14.534	2	0.106
HD 22282	V	3512	745	-4.945	4	0.145
HD 222986	V	3829	748	-3.355	11	0.082
HD 223171	V	4256	0	14.836	2	0.013
HD 223205	V	3695	2	-43.921	3	0.079
HD 223238	V	3571	0	-15.254	1	NaN
HD 223315	V	3974	739	0.017	2	0.236
HD 223498	V	4119	1289	-24.005	3	0.037
HD 223627	V	4755	736	-52.620	5	0.134
HD 223691	V	3422	367	1.494	2	0.146
HD 223869	V	5381	0	15.833	1	NaN
HD 224040	V	4226	405	9.641	2	0.011
HD 224383	V	3598	746	-31.245	3	0.110
HD 224601	V	4219	405	-49.248	4	0.067
HD 224619	V	4367	424	21.009	31	0.108
HD 224679	V	4684	817	-17.394	9	0.114
HD 224693	V	3885	1830	1.396	29	0.113
HD 22484	V	5209	150	28.167	3	0.073
HD 224983	V	4176	1619	-17.486	8	0.136
HD 225021	V	4646	832	-6.225	7	0.176
HD 225118	V	3810	594	10.869	9	0.069

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 225213	M	4290	1474	25.379	34	0.094
HD 225261	V	3585	692	7.493	2	0.022
HD 22657	V	4887	892	65.610	11	0.115
HD 22670	V	3709	57	9.937	4	0.078
HD 22778	V	4172	414	-24.909	3	0.082
HD 22844	V	5062	912	-26.972	8	0.107
HD 22879	V	4317	1934	120.340	31	0.107
HD 230409	V	3785	477	-2.415	2	0.064
HD 230999	V	3585	722	-81.456	3	0.192
HD 231157	V	3604	0	-43.279	1	NaN
HD 23134	V	4747	916	18.831	7	0.091
HD 231701	V	4159	1748	-63.476	16	0.098
HD 23221	V	3695	2	46.649	3	0.047
HD 232301	V	3693	7	-15.072	4	0.094
HD 23249	V	4040	2016	-6.189	38	0.177
HD 232979	M	4153	1526	34.269	24	0.131
HD 2331	V	3928	6	-16.702	5	0.055
HD 233153	M	3711	626	2.061	2	0.031
HD 233165	V	3696	1	27.870	2	0.017
HD 23356	V	4257	1858	25.278	30	0.114
HD 233641	V	3398	56	36.237	2	0.041
HD 234314	V	3845	680	-22.113	5	0.230
HD 23439	V	4425	1896	50.638	25	0.119
HD 23486	V	3985	0	-19.860	1	NaN
HD 236427	V	4747	832	-12.479	6	0.081
HD 237903	V	3777	1861	8.885	7	0.143
HD 238008	V	3780	3	-18.913	3	0.185
HD 238069	V	3897	473	-10.063	4	0.203
HD 23825	V	4832	945	-16.793	7	0.080
HD 238433	V	5046	1162	9.244	5	0.784
HD 239960	M	4502	1568	-34.536	27	0.097
HD 24040	V	4086	1833	-9.379	18	0.077
HD 24148	V	4876	946	49.483	8	0.101
HD 24213	V	3541	747	-39.627	3	0.141

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 24238	V	4559	1856	38.772	30	0.138
HD 24316	V	4934	892	52.272	12	0.103
HD 24341	V	3611	746	142.692	2	0.100
HD 24365	V	4089	1934	19.276	6	0.083
HD 24451	V	4264	1441	17.585	7	0.081
HD 24496	V	4586	2046	18.869	118	0.138
HD 244992	V	3749	148	11.340	8	0.110
HD 24505	V	4081	1747	-12.696	6	0.179
HD 24521	V	3969	0	-0.159	1	NaN
HD 245409	M	3733	1206	22.190	5	0.200
HD 24612	V	3985	0	33.976	1	NaN
HD 24727	V	3540	744	-18.076	3	0.136
HD 24892	V	3600	743	45.545	4	0.250
HD 24916	V	3412	783	3.585	7	0.234
HD 25311	V	4012	1833	-40.043	11	0.075
HD 25329	V	4327	1772	-25.845	33	0.107
HD 25445	V	3695	2	7.638	3	0.034
HD 25457	V	3997	2017	17.846	10	0.196
HD 25565	V	4044	1470	-27.168	3	0.098
HD 25622	V	4827	917	-1.817	7	0.096
HD 25665	V	4406	1795	-13.556	18	0.121
HD 256714	V	3779	2	19.505	3	0.090
HD 25682	V	3554	785	-30.338	3	0.161
HD 25825	V	3555	784	37.625	3	0.139
HD 2589	V	3754	0	13.743	2	0.026
HD 25894	V	3779	2	-15.393	3	0.080
HD 25998	V	5057	424	26.066	3	0.234
HD 26007	V	4870	946	9.167	7	0.089
HD 26140	V	4748	972	-6.970	7	0.142
HD 26151	V	4438	2017	-6.752	7	0.151
HD 26161	V	3984	0	12.870	1	NaN
HD 26257	V	3387	61	33.841	5	0.083
HD 265866	M	4530	1775	22.942	24	0.165
HD 26633	V	5262	0	91.484	1	NaN

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 26634	V	4790	917	8.476	7	0.118
HD 26736	V	4276	1061	37.430	13	0.118
HD 26756	V	3778	1	38.162	2	0.001
HD 26794	V	4019	1216	56.487	7	0.112
HD 26874	V	3399	0	61.401	1	NaN
HD 26965	V	4174	2021	-42.337	83	0.118
HD 27063	V	4034	101	-9.580	2	0.093
HD 27250	V	3778	1	38.520	2	0.003
HD 27282	V	3765	55	37.949	8	0.107
HD 27297	V	4846	922	42.493	6	0.136
HD 27371	V	4336	0	38.581	1	NaN
HD 27496	V	3785	238	27.783	8	0.083
HD 27530	V	4084	1469	42.209	7	0.098
HD 27697	V	4336	0	37.470	1	NaN
HD 27732	V	4016	715	38.507	3	0.035
HD 27748	V	3695	2	-23.892	3	0.019
HD 27771	V	4336	0	39.601	1	NaN
HD 278253	V	3779	2	12.896	3	0.062
HD 27859	V	4493	0	37.692	1	NaN
HD 27956	V	4793	917	45.984	7	0.131
HD 27990	V	4336	0	42.593	1	NaN
HD 28005	V	4448	1627	34.729	21	0.108
HD 28097	V	3884	710	8.375	6	0.120
HD 28099	V	4016	715	38.431	3	0.018
HD 281309	V	3695	2	20.526	3	0.088
HD 28137	V	3779	2	18.922	3	0.092
HD 281540	V	4264	561	110.315	2	0.106
HD 28185	V	3884	1089	50.253	2	0.298
HD 28187	V	3554	784	18.322	3	0.137
HD 28192	V	3778	1	-4.138	2	0.005
HD 281934	V	4413	1862	16.294	7	0.644
HD 28237	V	4162	1957	39.690	7	0.147
HD 28258	V	4336	0	40.436	1	NaN
HD 283	V	4153	1219	-43.174	7	0.077

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 28305	V	4336	0	38.442	1	NaN
HD 28307	V	4336	0	39.281	1	NaN
HD 28343	M	4466	1797	-35.000	17	0.158
HD 283704	V	3779	1	38.509	2	0.142
HD 28388	V	4481	388	20.406	4	0.462
HD 284253	V	4336	0	38.183	1	NaN
HD 28437	V	3806	598	26.731	3	0.453
HD 284414	V	4336	0	39.585	1	NaN
HD 28462	V	3778	1	40.090	2	0.022
HD 285773	V	4336	0	39.992	1	NaN
HD 28593	V	3778	1	39.666	2	0.046
HD 285968	M	4725	1886	26.244	39	0.139
HD 28678	V	4968	973	61.465	13	0.152
HD 28737	V	4770	922	-5.702	6	0.203
HD 28946	V	3875	1059	-46.327	8	0.101
HD 28992	V	3778	1	40.214	2	0.074
HD 2946	V	4682	795	10.460	11	0.174
HD 29461	V	4680	1146	40.326	3	0.239
HD 29528	V	3554	783	-18.789	3	0.254
HD 29621	V	3779	2	35.022	3	0.102
HD 29818	V	3696	1	46.573	2	0.017
HD 29883	V	4198	1951	17.776	25	0.111
HD 2992	V	4024	0	-16.150	1	NaN
HD 29980	V	4084	1116	32.286	6	0.089
HD 30090	V	3697	0	23.377	1	NaN
HD 30128	V	4798	917	20.863	7	0.149
HD 30166	M	4701	794	-32.300	6	0.114
HD 30246	V	3778	1	41.721	2	0.029
HD 30286	V	3779	2	18.334	3	0.113
HD 30339	V	3696	2	8.686	3	0.561
HD 30572	V	3778	1	32.450	2	0.051
HD 30649	V	4977	509	32.241	2	0.067
HD 30663	V	3715	83	-15.485	4	0.063
HD 30708	V	3985	0	-55.696	1	NaN

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 30712	V	4130	1	42.593	2	0.174
HD 3074a	V	4201	1412	29.412	3	0.064
HD 30856	V	4901	916	35.457	11	0.130
HD 30882	V	4915	974	-39.511	7	0.089
HD 31018	V	3892	1002	-4.147	12	0.107
HD 31253	V	4152	1566	12.235	14	0.167
HD 31392	V	4419	1917	29.447	8	0.114
HD 3141	V	4136	679	0.606	4	0.108
HD 31412	V	4876	391	42.118	5	0.226
HD 31451	M	4794	859	0.644	7	0.108
HD 31452	V	3360	30	15.151	3	0.106
HD 31543	V	4669	590	-6.940	8	0.144
HD 31560	V	4159	1440	6.205	8	0.112
HD 31609	V	3695	2	42.825	3	0.074
HD 31664	V	5314	0	-8.368	1	NaN
HD 31675	V	4546	1	16.049	2	0.063
HD 31693	V	4686	922	29.318	6	0.170
HD 31864	V	3992	705	-26.445	6	0.095
HD 31966	V	3532	743	-17.897	3	0.214
HD 32147	V	4496	1946	21.544	125	0.112
HD 32259	V	3779	2	28.075	3	0.093
HD 32483	V	5262	0	9.115	1	NaN
HD 32673	V	4024	0	-6.714	1	NaN
HD 32923	V	4673	1339	20.594	48	0.115
HD 32963	V	4913	1911	-62.295	19	0.127
HD 33021	V	4655	1262	-22.388	2	0.132
HD 33108	V	3695	2	55.861	3	0.050
HD 33142	V	4971	973	33.525	27	0.126
HD 33240	V	4938	946	10.465	18	0.133
HD 33283	V	3981	1917	4.721	30	0.139
HD 33298	V	4931	945	-6.983	6	0.139
HD 33334	V	3825	1834	83.122	11	0.122
HD 335129	V	3573	5	-49.255	2	0.112
HD 33636	V	4705	1982	5.710	12	0.138

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 33822	V	3723	1059	-6.639	3	0.173
HD 33844	V	4931	973	36.307	20	0.135
HD 3404	V	4411	317	5.770	6	0.080
HD 34411	V	4147	1983	66.497	87	0.135
HD 34445	V	4712	1973	-78.867	57	0.122
HD 34575	V	4309	707	-23.592	5	0.113
HD 3458	V	4585	507	-4.607	6	0.365
HD 34721	V	4311	1682	40.475	32	0.130
HD 34745	V	3725	597	35.225	2	0.090
HD 34887	V	4346	1975	-25.569	26	0.115
HD 34909	V	4736	973	-0.426	6	0.090
HD 34957	V	4560	1567	0.909	31	0.419
HD 3545	V	4773	1174	-24.951	28	0.107
HD 355183	V	4161	1120	-16.025	24	0.107
HD 35627	V	3626	597	27.220	3	0.054
HD 3578	V	3695	2	3.187	3	0.034
HD 3592	V	3695	2	7.395	3	0.034
HD 35974	V	3725	597	76.502	2	0.045
HD 36003	V	4168	1769	-55.558	69	0.111
HD 36130	V	3697	654	-62.445	2	0.145
HD 36215	V	3849	738	-16.323	7	0.131
HD 36308	V	3662	646	26.064	2	0.111
HD 36387	V	3779	2	37.290	3	0.061
HD 36395	M	4313	1917	8.676	12	0.170
HD 3651	V	3949	2140	-32.940	63	0.109
HD 3684	V	4158	295	-23.238	3	0.064
HD 36974	V	4646	471	15.106	6	0.847
HD 3700	V	3689	893	-1.356	3	0.141
HD 37006	V	4356	1771	-11.556	4	0.154
HD 37008	V	3931	1772	-45.861	35	0.116
HD 37124	V	4118	1990	-23.054	27	0.096
HD 37213	V	3427	0	12.264	1	NaN
HD 37216	V	4441	1771	11.418	5	0.097
HD 37250	V	5299	29	43.275	2	0.005

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 37394	V	4064	1946	1.323	7	0.114
HD 37445	V	4885	973	38.804	8	0.153
HD 37484	V	4305	1380	24.019	4	0.483
HD 37605	V	4264	1191	-22.197	12	0.286
HD 3765	V	4160	2137	-63.191	60	0.107
HD 377	V	3670	1961	1.321	19	0.175
HD 37879	V	3339	0	-28.427	1	NaN
HD 3795	V	4515	1844	-45.481	4	0.278
HD 37962	V	3427	0	2.949	1	NaN
HD 37977	V	3779	2	20.667	3	0.056
HD 37986	V	3813	1060	59.202	4	0.093
HD 38230	V	4128	1886	-29.212	46	0.110
HD 38308	V	3642	349	43.522	3	0.149
HD 38392	V	3517	684	-9.570	5	0.183
HD 38393	V	5116	480	-9.152	3	0.088
HD 38400	V	3339	0	18.969	1	NaN
HD 38467	V	3999	1091	-17.783	5	0.126
HD 38505	V	4826	981	75.613	9	0.329
HD 38529	V	4564	1570	30.247	30	0.177
HD 3861	V	4258	0	-14.786	3	0.023
HD 38801	V	4315	1093	-25.370	12	0.184
HD 38858	V	3849	1922	31.507	76	0.093
HD 38949	V	4471	1746	3.485	8	0.136
HD 38a	M	4172	1482	1.654	10	0.142
HD 38b	M	4219	1480	-1.700	18	0.101
HD 39094	V	4206	447	10.170	10	0.106
HD 39142	V	4938	981	8.977	12	0.121
HD 39251	V	3398	0	-9.594	1	NaN
HD 39352	V	3339	0	48.226	1	NaN
HD 39480	V	3340	0	48.733	1	NaN
HD 39715	V	3468	385	-33.724	3	0.170
HD 39731	V	4812	981	32.695	7	0.103
HD 39796	V	3724	745	62.824	3	0.105
HD 39828	V	4781	974	28.802	9	0.097

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 39833	V	3817	791	24.891	3	0.064
HD 39881	V	4214	1438	0.320	13	0.087
HD 39997	V	4024	0	10.263	1	NaN
HD 40126	V	3339	0	35.865	1	NaN
HD 40330	V	3779	2	56.603	3	0.059
HD 40397	V	3993	1789	143.356	54	0.098
HD 40537	V	4736	886	53.783	8	0.123
HD 40647	V	4489	1771	-14.112	6	0.287
HD 4075	V	3642	693	-9.485	3	0.110
HD 40979	V	4075	1772	32.597	7	0.127
HD 4113	V	4242	677	4.944	7	0.096
HD 41484	V	3339	0	0.385	1	NaN
HD 41593	M	3974	674	-9.644	7	0.133
HD 41700	V	4149	1804	27.944	5	0.359
HD 4203	V	4452	1657	-14.092	14	0.131
HD 4208	V	4843	1566	56.785	5	0.074
HD 42182	V	3339	0	60.735	1	NaN
HD 42250	V	3577	353	19.806	2	0.263
HD 4256	V	4387	1980	9.426	52	0.109
HD 42581	M	4033	1830	4.738	13	0.119
HD 42618	V	4626	1923	-53.500	164	0.127
HD 42698	V	3750	52	18.707	2	0.013
HD 4313	V	4927	1038	14.482	30	0.113
HD 43162	V	4114	1533	22.089	8	0.092
HD 43296	V	3779	2	-8.388	3	0.057
HD 43691	V	4156	1689	-28.916	4	0.045
HD 43745	V	3401	0	-2.423	1	NaN
HD 43947	V	4377	1798	40.880	6	0.221
HD 4395	V	4710	795	-0.439	7	0.158
HD 4406	V	4007	1223	2.431	13	0.353
HD 44420	V	3713	623	-0.439	2	0.285
HD 44614	V	3484	0	32.807	1	NaN
HD 44663	V	3369	0	5.919	1	NaN
HD 44985	V	3401	0	32.481	1	NaN

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 45067	V	3414	26	47.311	2	0.261
HD 45161	V	3780	3	-16.441	3	0.167
HD 45184	V	4113	1800	-3.859	117	0.119
HD 45210	V	4866	943	53.781	10	0.565
HD 45350	V	4308	1982	-20.649	18	0.089
HD 45410	V	5273	34	39.477	2	0.139
HD 45588	V	3973	1145	36.220	2	0.086
HD 45652	V	3941	651	-5.021	4	0.188
HD 457	V	3604	0	-19.447	1	NaN
HD 46013	V	3779	2	-67.985	3	0.078
HD 4614	V	5017	789	8.397	37	0.117
HD 4614b	M	4862	1147	11.196	26	0.107
HD 4628	V	4859	1319	-10.229	79	0.121
HD 4635	V	4349	1443	-31.508	5	0.107
HD 46375	V	4602	1918	-0.906	6	0.095
HD 47157	V	4725	1469	25.215	27	0.056
HD 47186	V	4618	1947	4.322	11	0.103
HD 47309	V	3779	2	27.765	3	0.049
HD 4741	V	3495	513	11.513	2	0.017
HD 4747	V	4506	1960	10.078	23	0.117
HD 47562	V	4744	886	17.309	8	0.100
HD 47625	V	3441	86	31.181	2	0.237
HD 47752	V	3940	1411	-44.389	10	0.148
HD 48122	V	4803	913	2.698	8	0.148
HD 4813	V	4516	1292	8.303	3	0.135
HD 48345	V	5290	0	24.701	1	NaN
HD 48682	V	4730	1199	-23.907	33	0.101
HD 48938	V	3401	0	-10.293	1	NaN
HD 4915	V	4687	1448	-3.729	49	0.129
HD 4917	V	5039	916	-11.482	31	0.114
HD 49197	V	4437	1738	10.398	3	0.126
HD 49674	V	4647	1944	12.034	22	0.148
HD 50275	V	5006	945	84.308	9	0.132
HD 50281	V	3969	1742	-6.985	3	0.149

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 5035	V	3931	0	-7.177	1	NaN
HD 50499	V	4507	1946	36.883	16	0.206
HD 50554	V	4637	1916	-3.919	7	0.094
HD 50639	V	5099	447	-4.066	3	0.096
HD 50692	V	4466	1974	-14.968	64	0.178
HD 50806	V	3713	623	72.443	2	0.167
HD 51046	V	3381	32	0.470	5	0.088
HD 51067a	V	3778	0	13.184	1	NaN
HD 51067b	V	3778	0	13.548	1	NaN
HD 51219	V	3401	0	-7.809	1	NaN
HD 5133	V	4408	1239	-13.071	4	0.072
HD 51419	V	5041	1257	-26.804	89	0.124
HD 51813	V	3778	1	36.427	2	0.076
HD 51845	V	3601	349	23.616	2	0.089
HD 51866	V	4442	1735	-21.656	32	0.118
HD 52265	V	3806	1857	53.763	29	0.126
HD 52456	V	3383	87	-12.138	2	0.036
HD 52711	V	4599	1861	24.585	95	0.115
HD 52919	V	4201	1411	-30.526	6	0.090
HD 5294	V	4065	615	-8.202	3	0.029
HD 5319	V	4289	2013	0.344	44	0.105
HD 531a	V	3422	367	13.338	2	0.149
HD 531b	V	3422	367	14.525	2	0.157
HD 533	V	3605	0	24.101	1	NaN
HD 53532	V	4077	417	42.868	6	0.102
HD 53665	V	3713	623	-14.543	2	0.200
HD 5372	V	3931	0	0.698	1	NaN
HD 55575	V	4923	1214	84.769	47	0.135
HD 55647	V	3695	2	-16.717	3	0.084
HD 55696	V	4335	1799	19.631	9	0.135
HD 56083	V	4497	1573	-11.680	7	0.132
HD 56122	V	5290	0	24.363	1	NaN
HD 56274	V	3383	88	66.529	2	0.134
HD 56303	V	3401	0	8.431	1	NaN

Table 3—Continued

Star Name	Template[a]	$\langle JD\rangle$ -2450000	ΔT (days)	$\langle RV\rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 56322	V	3778	0	6.295	1	NaN
HD 56957	V	3398	0	54.806	1	NaN
HD 57204	V	4165	447	-13.211	8	0.072
HD 57813	V	3984	3	46.063	4	0.036
HD 58727	V	3984	3	-13.584	4	0.047
HD 58781	V	3383	88	4.920	2	0.115
HD 5891	V	5006	916	-96.564	22	0.241
HD 59062	V	3481	0	46.114	1	NaN
HD 5946	V	3983	2	-2.850	4	0.057
HD 60041	V	3481	0	-77.051	1	NaN
HD 6019	V	4827	459	-23.812	5	0.247
HD 60234	V	3590	328	-0.242	2	0.408
HD 60491	V	4154	1888	-9.586	5	0.142
HD 60521	V	3725	0	29.355	1	NaN
HD 60737	V	5149	450	6.448	5	0.045
HD 60803	V	3697	0	47.102	1	NaN
HD 61005	V	4910	1177	22.558	5	0.081
HD 61236	V	3601	349	3.903	2	0.691
HD 61364	V	3705	31	-10.536	3	0.033
HD 61447	V	3587	378	89.308	2	0.133
HD 61606	V	4154	1888	-18.085	5	0.144
HD 61994	V	4207	1828	-16.429	5	0.920
HD 61995	V	5290	0	-36.443	1	NaN
HD 62068	V	5290	0	-66.510	1	NaN
HD 62128	V	4087	1090	107.066	6	0.231
HD 62613	V	4141	1943	-7.861	50	0.137
HD 6268	V	3983	0	38.966	1	NaN
HD 62694	V	3779	2	-30.779	3	0.172
HD 62857	V	3778	1	13.142	2	0.029
HD 63754	V	3383	88	44.963	2	0.117
HD 64324	V	4203	1767	17.182	6	0.105
HD 64413	V	5052	952	15.856	16	0.122
HD 64502	V	3558	436	55.165	2	0.048
HD 64730	V	4812	952	15.976	9	0.194

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Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 64942	V	3935	1538	-8.022	7	0.084
HD 65080	V	3715	82	-8.280	4	0.120
HD 6512	V	4257	405	10.246	3	0.038
HD 65277	V	4371	1974	-4.457	25	0.146
HD 65368	V	3695	2	-11.239	2	0.078
HD 65430	V	4614	1566	-28.568	18	0.322
HD 65486	V	4010	1827	-8.135	10	0.090
HD 6558	V	3422	367	8.839	2	0.127
HD 65583	V	4071	1975	14.796	61	0.114
HD 66171	V	3384	28	36.520	2	0.152
HD 66221	V	3481	0	26.216	1	NaN
HD 66428	V	4057	1944	44.143	19	0.119
HD 66485	V	3864	735	25.094	5	0.054
HD 6697	V	4226	405	-24.752	2	0.001
HD 6715	V	3999	1192	-23.680	5	0.080
HD 6734	V	4661	1625	-94.606	8	0.103
HD 67346	V	3370	0	26.906	1	NaN
HD 67458	V	3383	88	-15.689	2	0.186
HD 67767	V	4424	1919	-44.272	5	0.091
HD 68017	V	4314	1946	29.496	103	0.139
HD 68165	V	5290	0	-69.928	1	NaN
HD 68168	V	4244	1125	9.076	10	0.086
HD 6872a	V	3586	694	-34.681	2	0.121
HD 6872b	V	3996	1486	-35.158	3	0.626
HD 68978	V	3536	503	51.726	3	0.126
HD 68988	V	4441	1943	-69.383	20	0.153
HD 69027	V	3779	2	2.670	3	0.391
HD 69056	V	3340	0	20.395	1	NaN
HD 69076	V	3598	383	-8.894	5	0.491
HD 691	V	4241	1776	-2.864	4	0.043
HD 6963	V	4307	1950	-31.840	6	0.090
HD 69809	V	3507	415	17.486	3	0.100
HD 69830	V	4988	1261	30.207	143	0.124
HD 69960	V	3727	1060	32.292	6	0.117

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 70516	V	4335	1804	8.481	5	0.153
HD 70573	V	4862	1146	20.133	5	0.049
HD 71067	V	3778	0	-1.017	1	NaN
HD 71334	V	3751	761	17.389	3	0.148
HD 71479	V	3507	415	60.142	3	0.100
HD 71835	V	3572	349	-1.204	2	0.250
HD 71881	V	3426	0	13.699	1	NaN
HD 72003	V	4830	1134	-6.950	9	0.130
HD 72429	V	4658	798	79.290	7	0.282
HD 72440	V	4871	1096	-33.261	7	0.119
HD 72490	V	4992	943	31.512	18	0.121
HD 72616	V	3481	0	24.101	1	NaN
HD 72659	V	4299	1974	-18.294	27	0.135
HD 72673	V	3969	1915	14.666	45	0.128
HD 72687	V	5144	450	21.951	5	0.109
HD 72905	V	4285	1827	-12.715	8	0.122
HD 73226	V	3968	1693	25.670	10	0.120
HD 73256	V	4677	1834	29.736	6	0.253
HD 73534	V	4355	1765	9.720	32	0.137
HD 73667	V	4515	1920	-12.123	29	0.102
HD 73933	V	4131	0	0.598	1	NaN
HD 73940	V	3634	323	13.057	3	0.163
HD 74104	V	3587	320	-4.258	2	0.007
HD 74156	V	4818	1947	3.833	27	0.090
HD 74390	V	4870	1134	-58.086	8	0.148
HD 745	V	5379	0	-2.357	1	NaN
HD 74669	V	5288	52	26.821	2	0.094
HD 74777	V	3696	1	-20.251	2	0.080
HD 7510	V	4072	447	-35.616	5	0.097
HD 7530	V	4717	734	55.245	6	0.073
HD 75407	V	5321	1	-25.430	2	0.034
HD 75576	V	3484	0	-12.343	1	NaN
HD 75732	V	4565	2013	27.360	378	0.130
HD 75732b	M	4433	1495	27.356	15	0.104

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 75784	V	4333	1892	45.415	13	0.105
HD 75898	V	4340	1885	21.790	30	0.122
HD 76078	V	3696	1	-34.605	2	0.051
HD 76151	V	5232	0	32.276	1	NaN
HD 76218	V	4252	1766	-12.576	4	0.125
HD 76445	V	4750	913	-16.402	8	0.121
HD 76539	V	3779	2	15.328	2	0.269
HD 76617	V	3861	646	5.565	4	0.177
HD 76780	V	4305	1384	31.129	6	0.145
HD 76909	V	3547	355	3.286	2	0.004
HD 76974	V	3778	0	-40.520	1	NaN
HD 77172	V	4997	1162	-15.808	12	0.130
HD 77519	V	3481	0	28.397	1	NaN
HD 77803	V	3695	2	2.006	3	0.048
HD 77818	V	4764	1096	-44.051	8	0.128
HD 78277	V	3481	0	2.832	1	NaN
HD 78538	V	3778	1	5.087	2	0.088
HD 78752	V	3481	0	72.179	1	NaN
HD 79210	M	4069	1829	11.224	8	0.107
HD 79211	M	3722	1176	12.683	6	0.274
HD 7924	V	4620	2046	-22.711	374	0.122
HD 79282	V	3779	2	4.031	3	0.129
HD 7931	V	4661	794	11.248	6	0.049
HD 79498	V	3481	0	20.023	1	NaN
HD 80355	V	3845	407	-6.714	4	0.065
HD 80367	V	3985	1086	50.896	6	0.134
HD 8038	V	3422	367	9.606	2	0.112
HD 804	V	3695	3	-47.871	4	0.077
HD 80606	V	4703	1976	3.948	47	0.241
HD 80811	V	4755	913	30.014	8	0.113
HD 80846	V	3779	2	34.993	3	0.160
HD 80903	V	3725	0	41.726	1	NaN
HD 8110	V	3697	0	9.519	1	NaN
HD 81110	V	3481	0	30.443	1	NaN

Table 3—Continued

Star Name	Template[a]	$<JD>$ -2450000	ΔT (days)	$<RV>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 81324	V	3779	2	33.418	3	0.134
HD 81505	V	3481	0	17.279	1	NaN
HD 81856	V	3587	321	17.028	2	0.020
HD 82460	V	3779	2	9.579	3	0.115
HD 8250	V	5257	0	5.364	1	NaN
HD 82886	V	4993	1156	12.554	24	0.119
HD 82905	V	3779	2	5.058	3	0.141
HD 82943	V	4791	1975	8.111	38	0.137
HD 83024	V	4750	913	4.556	8	0.159
HD 8328	V	3599	720	-3.874	2	0.076
HD 83394	V	4933	1162	40.345	9	0.138
HD 834	V	4294	405	5.199	3	0.112
HD 83443	V	4292	1829	28.990	4	0.112
HD 8389	V	4387	1778	34.626	57	0.109
HD 83983	V	3778	1	30.812	2	0.117
HD 84035	V	4600	1829	-12.271	23	0.104
HD 8407	V	4664	794	-6.833	7	0.064
HD 84117	V	4739	2006	34.687	70	0.146
HD 84453	V	5334	89	-44.436	2	0.125
HD 8446	V	4210	405	19.785	5	0.123
HD 84501	V	3481	0	2.795	1	NaN
HD 8467	V	4394	1958	14.712	7	0.111
HD 84703	V	3481	0	22.288	1	NaN
HD 84737	V	4825	1296	4.881	33	0.134
HD 8508	V	4930	916	9.086	18	0.149
HD 85301	V	4588	1861	15.345	17	0.101
HD 85440	V	4940	1069	-4.184	10	0.127
HD 85472	V	4869	1068	-9.954	8	0.100
HD 8553	V	4036	1193	6.898	7	0.112
HD 85689	V	4378	1483	8.562	21	0.133
HD 85725	V	3921	1854	61.744	4	0.201
HD 8574	V	4609	1958	19.041	6	0.094
HD 86081	V	3824	1479	30.882	29	0.184
HD 86359	V	5333	87	17.864	2	0.016

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 8648	V	4067	1787	0.859	3	0.099
HD 86728	V	4074	2005	55.955	64	0.145
HD 87001	V	3779	2	-26.036	3	0.134
HD 87230	V	4975	1157	42.625	11	0.123
HD 87359	V	4545	1	0.553	2	0.044
HD 87424	M	3705	1178	-11.723	4	0.316
HD 8765	V	3728	60	-23.399	11	0.076
HD 87669	V	4889	1161	8.257	10	0.107
HD 87836	V	4017	1558	-42.128	3	0.116
HD 87883	V	4947	739	9.188	35	0.126
HD 88072	V	3573	350	-17.778	2	0.276
HD 88133	V	4122	1825	-3.454	12	0.119
HD 88134	V	4799	1096	21.617	8	0.094
HD 88218	V	3427	0	36.322	1	NaN
HD 88230	M	4390	932	-25.710	18	0.170
HD 8828	V	4256	1437	13.603	27	0.104
HD 88371	V	4186	1441	82.463	4	0.070
HD 88402	V	3779	2	34.453	3	0.140
HD 8859	V	3610	743	24.586	2	0.102
HD 88609	V	4258	0	-38.237	1	NaN
HD 88638	V	3778	1	49.355	2	0.130
HD 88654	V	5055	1159	-6.933	13	0.102
HD 88656	V	4049	1441	8.252	6	0.186
HD 88725	V	3761	733	-22.016	3	0.187
HD 88775	V	3779	2	-26.633	3	0.131
HD 88986	V	4167	1920	29.106	3	0.033
HD 89022	V	3779	2	-33.598	3	0.057
HD 8907	V	4379	1957	8.966	5	0.169
HD 8912	V	3610	743	24.512	2	0.138
HD 89269	V	4745	1981	-7.557	94	0.125
HD 8939	V	4024	0	-5.838	1	NaN
HD 89391	V	4608	1096	29.603	12	0.108
HD 89454	V	3576	356	18.872	2	0.205
HD 89793	V	4051	1090	32.705	4	0.121

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HD 89886	V	3425	0	12.990	1	NaN
HD 90028	V	3479	0	12.098	2	0.005
HD 90043	V	5062	571	7.088	29	0.123
HD 90054	V	4112	950	48.645	3	0.205
HD 90125	V	4325	1980	-13.933	5	0.100
HD 90156	V	4567	1954	26.918	70	0.147
HD 90211	V	3479	0	17.551	1	NaN
HD 90323	V	3479	0	10.565	1	NaN
HD 90383	V	3779	2	-34.012	3	0.087
HD 90432	V	3838	0	56.761	1	NaN
HD 90681	V	3779	2	4.241	3	0.112
HD 9070	V	3601	721	11.805	2	0.049
HD 90711	V	4552	187	29.903	21	0.090
HD 90722	V	3618	440	40.113	2	0.111
HD 90792	V	4784	1069	32.556	8	0.105
HD 9081	V	4226	405	28.668	2	0.049
HD 90875	V	4900	1920	4.968	22	0.109
HD 90905	V	4495	1801	16.726	6	0.118
HD 9113	V	4073	825	-32.621	4	0.120
HD 91148	V	3779	2	-23.126	3	0.124
HD 91204	V	4315	1834	-9.619	2	0.553
HD 91275	V	3779	2	-18.634	3	0.138
HD 91331	V	3779	2	-13.428	3	0.119
HD 91332	V	3779	2	-43.504	3	0.111
HD 91348	V	3779	2	8.193	3	0.145
HD 9156	V	4749	736	28.918	8	0.095
HD 91702	V	3941	651	-46.684	4	0.145
HD 91856	V	3779	2	46.234	3	0.138
HD 91876	V	3820	456	-2.873	4	0.199
HD 91909	V	3779	2	20.943	3	0.138
HD 9218	V	4662	794	11.171	6	0.056
HD 92194	V	3778	1	-0.588	2	0.075
HD 92222a	V	3687	384	8.339	6	0.077
HD 92222b	V	3501	377	7.904	6	0.178

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 92266	V	5320	61	5.744	2	0.013
HD 92320	V	3779	2	2.805	3	0.246
HD 92719	V	4370	1954	-17.924	38	0.120
HD 92788	V	4311	1823	-4.399	7	0.180
HD 92885	V	3779	2	14.992	3	0.046
HD 92945	V	5073	615	22.900	4	0.057
HD 93215	V	3941	651	-15.301	4	0.139
HD 9331	V	3600	722	-19.961	2	0.043
HD 93396	V	4788	1103	34.959	8	0.127
HD 93461	V	4788	1103	13.093	8	0.114
HD 93664	V	3839	1003	-1.315	4	0.087
HD 93745	V	3494	326	38.200	4	0.390
HD 93811	V	3778	1	-0.814	2	0.045
HD 93849	V	3479	0	8.919	1	NaN
HD 93864	V	4809	1097	15.935	8	0.101
HD 93932	V	3479	0	43.653	1	NaN
HD 9407	V	4668	2046	-33.313	309	0.124
HD 94151	V	4038	1775	4.553	6	0.180
HD 94178	V	5320	61	9.958	2	0.019
HD 94292	V	3779	2	27.630	3	0.125
HD 94375	V	3479	0	28.754	1	NaN
HD 94383	V	3779	2	44.596	3	0.137
HD 94482	V	3479	0	29.395	1	NaN
HD 94587	V	3779	2	8.757	3	0.108
HD 9472	V	4657	1265	11.443	4	0.091
HD 94834	V	4940	1164	2.813	11	0.107
HD 95022	V	4052	1090	19.377	4	0.127
HD 95088	V	4345	1483	0.263	17	0.119
HD 95089	V	4932	1157	8.081	25	0.128
HD 95128	V	5096	449	11.293	24	0.108
HD 95188	V	4362	1827	6.023	7	0.083
HD 9518a	V	3600	722	-17.100	2	0.066
HD 9540	V	4672	0	2.598	1	NaN
HD 9540a	V	3490	745	2.456	4	0.154

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 95456	V	3620	444	-1.227	2	0.148
HD 95526	V	4906	1098	22.059	8	0.183
HD 9554	V	4630	507	-18.085	6	0.136
HD 9562	V	4410	1992	-14.990	7	0.132
HD 95622	V	4042	1395	-8.861	11	0.147
HD 95650	M	3806	1915	-13.832	12	0.104
HD 95735	M	4245	2004	-84.683	148	0.136
HD 95900	V	5337	88	4.483	3	0.086
HD 96063	V	5042	1156	-1.373	12	0.104
HD 96108	V	3369	0	-11.083	1	NaN
HD 96167	V	4057	1805	12.031	41	0.132
HD 9625	V	4890	892	-26.883	12	0.640
HD 96361	V	4004	650	12.921	5	0.135
HD 96529	V	4148	1090	-14.752	6	0.129
HD 96626	V	3778	0	23.107	1	NaN
HD 96683	V	4991	836	17.922	8	0.143
HD 96700	V	4368	1530	12.787	5	0.170
HD 9672	V	4724	0	-2.838	1	NaN
HD 96937	V	3479	0	10.474	1	NaN
HD 97038	V	3479	0	-3.176	1	NaN
HD 97089	V	3398	0	-26.400	1	NaN
HD 97101	V	4803	1981	-16.159	24	0.102
HD 97101b	M	4567	1916	-15.421	17	0.098
HD 97343	V	4803	1628	39.789	66	0.132
HD 97584a	M	3697	732	9.114	4	0.095
HD 97645	V	3780	3	-7.324	3	0.127
HD 97658	V	4999	1633	-1.706	178	0.119
HD 9782	V	3749	891	11.408	4	0.078
HD 97854	V	3849	156	-7.751	7	0.156
HD 98219	V	5044	1160	-10.458	15	0.119
HD 9826	V	4085	0	-28.351	1	NaN
HD 98281	V	4258	1983	13.312	70	0.128
HD 98427	V	3600	351	20.258	2	0.466
HD 98553	V	4354	1829	-36.612	5	0.059

Table 3—Continued

Star Name	Template[a]	$\langle$JD$\rangle$ -2450000	ΔT (days)	$\langle$RV$\rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HD 98618	V	3574	349	7.078	2	0.247
HD 98630	V	3992	1470	13.530	6	0.954
HD 98736	V	3370	1	-3.411	2	0.189
HD 98744	V	3574	349	-40.311	2	0.281
HD 99109	V	3980	1975	33.069	16	0.143
HD 99491	V	4329	1896	4.171	110	0.134
HD 99492	V	4236	2038	3.676	73	0.138
HD 99706	V	4981	916	-30.256	12	0.110
HD 9986	V	4749	1776	-20.984	38	0.145
HD 99934	V	3492	436	-9.321	4	0.366
bd+23 3912	V	3552	0	-115.163	1	NaN
bd-103166	V	4838	1983	26.787	4	0.153
corot1	V	5232	0	23.802	1	NaN
corot2	V	5286	0	23.603	1	NaN
corot7	V	5321	0	31.020	1	NaN
dntau	V	5200	96	18.462	3	0.061
dqtau	V	3339	0	44.489	1	NaN
fptau	V	5229	58	4.617	3	0.289
g097-054	M	3870	558	37.572	5	0.114
g161-29	V	3517	383	22.226	3	0.138
g192-13	M	4036	1001	1.939	6	0.047
g195-59	M	3623	380	-3.548	3	0.105
g205-028	M	3721	483	-18.890	2	0.337
g207-019	M	3757	410	-1.750	2	0.117
g244-047	M	3837	1073	-84.256	3	0.116
g60-06	V	3333	184	-17.519	2	0.179
GJ 105b	M	4104	1896	26.159	9	0.194
GJ 107b	M	3601	722	25.784	2	0.012
GJ 109	M	4479	1896	30.458	11	0.149
GJ 1245b	M	4242	1434	5.081	10	0.178
GJ 2066	M	4524	1921	61.992	19	0.114
GJ 226	M	4421	1858	-1.682	9	0.070
GJ 239	M	4633	1921	-58.224	31	0.113
GJ 250b	M	4791	1796	-7.280	25	0.120

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
GJ 26	M	3966	1776	-0.383	14	0.115
GJ 272	M	4778	0	-31.158	1	NaN
GJ 273	M	4278	1921	18.210	20	0.095
GJ 317	M	4543	1862	87.728	29	0.117
GJ 357	M	4424	1920	-34.484	15	0.092
GJ 382	M	4147	1945	8.021	10	0.162
GJ 388	M	3803	1859	12.453	30	0.104
GJ 393	M	4436	1410	8.294	23	0.085
GJ 397	V	4252	1818	20.613	9	0.152
GJ 406	M	3918	1092	19.321	9	0.145
GJ 4063	M	3707	456	12.618	2	0.255
GJ 408	M	4383	1920	3.181	10	0.131
GJ 412a	M	4453	1828	68.675	103	0.139
GJ 433	M	4420	1921	17.934	14	0.110
GJ 445	M	4315	1915	-111.750	18	0.110
GJ 450	M	4434	1887	0.295	10	0.128
GJ 47	M	4654	1445	7.599	2	0.094
GJ 48	M	4475	1771	1.377	15	0.122
GJ 486	M	4083	1145	19.471	4	0.268
GJ 49	M	4136	409	-5.895	2	0.114
GJ 514	M	4519	1565	14.531	25	0.107
GJ 528b	V	4412	1922	-22.549	5	0.180
GJ 546	V	4046	1806	-36.783	3	0.180
GJ 569a	M	4307	1894	-7.217	4	0.246
GJ 625	M	4310	1915	-13.063	34	0.139
GJ 667c	M	4346	1688	6.448	7	0.202
GJ 686	M	4324	1434	-9.499	37	0.112
GJ 687	M	4339	1537	-28.720	73	0.109
GJ 694	M	4487	1292	-14.328	14	0.084
GJ 699	M	4192	1692	-110.416	74	0.130
GJ 708	V	4279	0	2.332	1	NaN
GJ 745a	M	4555	845	32.263	8	0.106
GJ 745b	M	4629	440	31.940	5	0.093
GJ 793	M	4224	1088	10.429	5	0.083

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
GJ 803	M	4180	1089	-4.499	14	0.155
GJ 806	M	4715	1468	-24.697	41	0.116
GJ 83.1	M	4003	1158	-28.308	6	0.192
GJ 87	M	4627	1238	-2.655	37	0.152
GJ 876	M	4312	1860	-1.519	50	0.157
GJ 905	M	4581	745	-77.715	8	0.124
GJ 908	M	4469	1801	-71.084	52	0.169
gmaur	V	4385	1891	16.180	6	0.994
hat5	V	5286	0	7.759	1	NaN
hat9	V	5258	53	22.823	2	0.026
hii 1101	V	5087	450	5.563	3	0.357
hii 152	V	5087	450	5.807	3	0.044
hii 514	V	5087	450	4.976	3	0.070
HIP 100040	V	3573	5	-98.254	2	0.099
HIP 10072	M	5151	118	17.642	3	0.066
HIP 101262	V	5203	352	-26.987	2	0.046
HIP 102332	V	5028	2	-73.673	2	0.312
HIP 102870	V	4720	1	-52.510	3	0.049
HIP 103256	V	4719	2	-39.414	4	0.129
HIP 103269	V	3585	721	-130.498	3	0.276
HIP 10337	V	4997	452	3.058	19	0.186
HIP 103650	V	4918	365	-29.652	10	0.166
HIP 104092	V	4719	2	-66.502	4	0.102
HIP 10416	V	4976	484	-8.576	7	0.081
HIP 104432	M	4579	1178	-58.200	20	0.147
HIP 10449	V	3605	729	27.893	2	0.223
HIP 105341	V	4719	2	18.079	4	0.120
HIP 1055	V	4736	87	-36.137	7	0.317
HIP 105904	V	3878	768	-64.110	4	0.177
HIP 107062	V	5029	0	-51.449	1	NaN
HIP 108056	V	3724	453	-97.943	3	0.167
HIP 108388	V	3574	5	-16.960	2	0.132
HIP 108940	V	4722	10	-24.619	6	0.062
HIP 109388	M	4550	2137	-15.334	46	0.155

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 109555	M	4194	1064	-51.312	5	0.087
HIP 109980	V	4921	472	-4.563	14	0.150
HIP 11000	V	4933	539	26.409	9	0.102
HIP 11048	M	4457	1896	-37.964	18	0.151
HIP 110750	V	4927	470	-20.659	10	0.101
HIP 110774	V	4837	471	0.802	4	0.078
HIP 112460	M	4210	1086	0.192	3	0.041
HIP 112496	V	5083	163	-23.929	5	0.151
HIP 112918	V	4813	472	-7.787	5	0.119
HIP 113026	V	4719	2	-17.765	4	0.137
HIP 113207	V	3817	680	-22.104	5	0.177
HIP 113409	V	4944	470	10.016	10	0.148
HIP 114156	V	4839	467	15.298	4	0.031
HIP 114411	M	4067	793	-6.676	7	0.131
HIP 114587	V	3937	680	2.493	6	0.180
HIP 114914	V	3603	0	-12.124	1	NaN
HIP 115004	V	5193	10	27.132	3	0.080
HIP 115332	M	4092	733	-6.504	3	0.034
HIP 115562	M	3967	2137	-33.184	7	0.071
HIP 116215	V	4722	2	-0.640	4	0.127
HIP 116838	V	4783	364	-18.154	6	0.121
HIP 117197	V	4888	469	-20.792	19	0.116
HIP 117386	V	3695	2	-10.935	3	0.128
HIP 117492	V	4816	469	-12.262	5	0.173
HIP 117559	V	5164	324	-3.701	7	0.182
HIP 117886	M	4565	1422	-1.903	19	0.141
HIP 117946	V	4972	657	-11.442	9	0.114
HIP 118261	V	5054	657	1.702	28	0.131
HIP 118310	V	5189	3	6.494	3	0.037
HIP 12493	V	4817	470	72.885	5	0.119
HIP 12635	V	5049	0	-3.455	1	NaN
HIP 12709	V	4740	69	34.053	4	0.171
HIP 1294	V	4779	2	-0.325	4	0.079
HIP 13342	V	4961	541	0.313	17	0.129

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Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 13375	M	4945	540	-49.470	8	0.095
HIP 13447	V	3695	2	-1.291	3	0.038
HIP 1368	M	3972	2137	2.822	4	0.223
HIP 14113	V	3762	269	40.386	4	0.065
HIP 14729	V	4928	483	39.134	6	0.080
HIP 14809	V	3694	0	5.203	1	NaN
HIP 14810	V	4202	1591	-4.971	64	0.300
HIP 15095	V	5002	484	15.315	8	0.153
HIP 1532	V	5042	476	-10.994	22	0.146
HIP 15563	V	5212	70	31.102	4	0.114
HIP 15673	V	4856	386	-40.148	5	0.072
HIP 15904	V	3779	1104	86.643	4	0.047
HIP 16134	V	4724	1	34.050	3	0.020
HIP 16404	V	3604	731	-161.665	2	0.134
HIP 1734	M	3702	150	16.928	3	0.076
HIP 17346	V	4928	483	16.023	6	0.078
HIP 17496	V	4861	412	83.869	5	0.115
HIP 1780	V	3695	2	-47.094	3	0.045
HIP 19165	V	4019	2022	25.068	22	0.111
HIP 19472	V	5188	0	45.412	1	NaN
HIP 19946	V	3695	2	145.427	3	0.015
HIP 19981	V	5204	72	27.994	5	0.064
HIP 20218	V	4162	1958	18.253	7	0.093
HIP 20359	V	5208	72	-78.582	4	0.130
HIP 20705	V	3767	288	23.394	4	0.041
HIP 21091	V	3710	60	14.402	4	0.101
HIP 21556	M	4641	1273	-6.831	9	0.080
HIP 22288	V	4987	456	27.274	9	0.092
HIP 2247	V	4816	468	2.913	5	0.188
HIP 22627	M	4844	1278	-8.865	21	0.080
HIP 22762	M	4727	1450	-14.554	25	0.132
HIP 23512	M	3661	645	15.432	2	0.095
HIP 23516	V	4779	2	122.509	4	0.130
HIP 24121	V	4862	413	115.339	5	0.032

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 24141	V	3694	0	-7.256	1	NaN
HIP 24284	M	4548	1827	-24.999	15	0.113
HIP 25220	V	4987	484	38.254	10	0.138
HIP 26080	V	3779	2	-14.572	3	0.044
HIP 26196	V	5154	332	29.980	7	0.176
HIP 26857	M	4359	561	106.040	3	0.037
HIP 27793	V	3930	1116	7.549	5	0.047
HIP 29052	M	4016	1029	13.640	9	0.091
HIP 29067	V	5190	1	-1.799	3	0.060
HIP 29548	V	5207	72	21.739	4	0.088
HIP 30112	V	5179	332	31.760	10	0.129
HIP 30979	V	4856	386	43.193	5	0.055
HIP 3143	M	3766	354	12.249	4	0.169
HIP 31546	V	3695	2	6.343	3	0.046
HIP 32132	V	3719	83	16.220	6	0.123
HIP 32769	V	4946	483	-52.417	7	0.103
HIP 32892	V	3695	2	23.587	3	0.073
HIP 32919	V	4868	386	19.244	5	0.134
HIP 33241	V	3864	1177	15.007	5	0.162
HIP 33287	V	5188	0	31.134	1	NaN
HIP 3418	V	4816	469	-36.313	5	0.192
HIP 35093	V	3695	2	-50.685	3	0.053
HIP 36338	M	3659	1176	1.685	6	0.208
HIP 36551	V	4862	385	65.876	5	0.070
HIP 36635	M	5322	0	-17.917	1	NaN
HIP 36834	M	4027	1090	-41.708	13	0.141
HIP 37217	M	3853	1178	-28.833	4	0.147
HIP 37766	M	4018	1177	26.643	11	0.149
HIP 37798	V	5161	331	-34.465	7	0.229
HIP 38117	V	5043	420	-7.653	11	0.236
HIP 38340	V	4493	0	18.816	2	0.020
HIP 38969	V	5245	126	53.208	7	0.076
HIP 39939	V	3695	2	-8.074	3	0.050
HIP 3998	V	5189	2	6.693	4	0.036

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 40375	V	5036	511	21.316	16	0.106
HIP 40671	V	4923	483	13.385	6	0.123
HIP 40910	V	4879	358	6.992	5	0.129
HIP 41130	V	4879	358	-27.105	5	0.078
HIP 41443	V	5027	455	55.036	9	0.117
HIP 41689	M	4913	1975	-51.570	21	0.128
HIP 42220	M	4532	1917	11.309	20	0.290
HIP 42491	V	4105	1802	-20.050	5	0.160
HIP 42567	V	4923	453	54.509	6	0.049
HIP 42731	V	3779	2	24.067	3	0.123
HIP 428	M	4292	1933	-0.287	13	0.175
HIP 43151	V	3695	2	15.962	3	0.076
HIP 43212	V	4866	920	2.819	7	0.127
HIP 4353	V	4722	2	7.727	4	0.154
HIP 43534	V	4950	483	-22.259	15	0.149
HIP 43667	V	4949	410	45.614	7	0.082
HIP 44072	V	4856	386	-50.545	5	0.051
HIP 4454	V	5101	112	-51.402	5	0.072
HIP 45042	V	4995	235	-27.301	4	0.069
HIP 45839	V	4808	5	36.642	4	0.165
HIP 46018	V	5190	0	0.645	1	NaN
HIP 46199	V	5237	73	1.016	3	0.082
HIP 46343	V	4922	412	-6.589	11	0.087
HIP 46417	V	4949	454	-18.190	7	0.175
HIP 46627	V	3697	0	18.432	1	NaN
HIP 46655	M	3772	1177	46.107	4	0.228
HIP 46769	M	4330	1916	19.894	15	0.199
HIP 47201	V	4866	358	-36.400	6	0.077
HIP 47261	V	5190	0	-4.277	1	NaN
HIP 47455	V	3779	2	27.370	3	0.153
HIP 47513	M	4341	1892	11.493	8	0.109
HIP 47650	M	3546	472	6.495	3	0.063
HIP 48139	V	4893	357	-20.978	6	0.108
HIP 48205	V	3697	0	15.718	1	NaN

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 48411	V	4808	5	21.452	4	0.155
HIP 4845	M	4879	478	9.538	6	0.149
HIP 48714	M	4118	1440	15.430	6	0.080
HIP 48740	V	5155	332	-4.735	6	0.114
HIP 48855	V	4851	1104	50.236	8	0.154
HIP 49091	M	5154	332	51.409	4	0.125
HIP 49197	V	5059	546	30.204	9	0.138
HIP 5004	V	3422	367	45.432	2	0.169
HIP 50341	M	5337	30	-10.688	2	0.155
HIP 50960	V	5094	332	19.415	5	0.091
HIP 51007	M	4174	1945	21.800	6	0.371
HIP 51443	V	5114	539	31.476	12	0.120
HIP 5247	V	4861	413	2.661	5	0.034
HIP 52942a	V	4357	1945	24.538	13	0.114
HIP 53020	M	3796	1178	-0.794	4	0.295
HIP 53327	V	5116	416	-26.223	4	0.118
HIP 53541	V	4808	4	-34.087	4	0.092
HIP 54459	V	5256	452	103.869	9	0.125
HIP 54498	V	3897	473	-11.462	4	0.150
HIP 54532	M	4527	1892	-3.821	12	0.098
HIP 54651	V	5143	332	37.054	5	0.119
HIP 54810	V	4808	5	16.435	4	0.145
HIP 55360	M	4740	1887	60.466	15	0.132
HIP 55368	V	3779	2	-13.224	3	0.153
HIP 55507	V	5230	448	-5.554	14	0.159
HIP 55915	M	5337	30	-3.148	2	0.419
HIP 5643	M	3605	0	27.840	1	NaN
HIP 5663	V	5041	478	-4.765	22	0.145
HIP 56630	V	5114	357	-38.943	5	0.239
HIP 57050	M	4962	1886	-9.006	26	0.113
HIP 57058	V	4808	5	18.225	4	0.118
HIP 57087	M	4680	1982	9.544	169	0.107
HIP 57274	V	5244	575	29.701	30	0.140
HIP 57450	V	3399	0	64.732	1	NaN

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	$\sigma_{\rm RV}$ (km s^{-1})
HIP 57493	V	5032	484	0.360	9	0.095
HIP 57548	M	3428	114	-31.173	5	0.087
HIP 57683	V	4808	4	11.568	3	0.114
HIP 5938	V	4461	1994	8.327	6	0.133
HIP 59406	M	3971	1177	-8.924	4	0.247
HIP 59406b	M	3604	468	-9.281	2	0.100
HIP 59431	V	3778	0	-4.003	1	NaN
HIP 59496	V	5040	332	-9.977	4	0.119
HIP 59748	M	4957	114	-13.240	5	0.126
HIP 60093	M	5002	260	-0.665	7	0.118
HIP 60357	M	5358	58	-22.105	4	0.103
HIP 60559	M	3929	1146	51.096	3	0.306
HIP 60633	V	5358	58	12.841	4	0.078
HIP 61205	V	3935	35	-1.029	7	0.110
HIP 61706	M	5082	423	-4.334	14	0.179
HIP 62406	V	5224	452	2.402	19	0.166
HIP 6276	V	4302	1935	10.549	5	0.099
HIP 62794	V	4929	0	9.818	2	0.106
HIP 62847	V	5023	444	11.596	12	0.106
HIP 63257	V	5321	2	-7.336	4	0.099
HIP 6344	V	4816	470	-20.485	5	0.163
HIP 63510	M	4609	997	-13.740	15	0.309
HIP 63759	V	5321	2	-17.423	4	0.045
HIP 63762	V	4887	236	-48.729	6	0.361
HIP 63894	V	5317	8	-6.834	4	0.095
HIP 64048	V	5317	8	-8.371	4	0.086
HIP 64262	V	5331	25	18.703	7	0.078
HIP 65016	M	5000	333	-11.540	5	0.109
HIP 66074	V	5022	333	-30.851	6	0.122
HIP 66193	V	5317	8	1.512	4	0.081
HIP 66222	M	5216	449	14.986	7	0.130
HIP 66283	V	5327	31	7.892	5	0.100
HIP 66459	M	4066	1618	-14.518	11	0.124
HIP 67164	M	4090	1121	5.389	4	0.325

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 67691	V	4991	455	-45.112	8	0.246
HIP 6778	V	3575	6	-0.659	3	0.138
HIP 67842	M	5351	58	1.053	4	0.126
HIP 68461	V	3870	185	15.141	2	0.097
HIP 70865	M	4600	1865	7.867	12	0.275
HIP 70975	M	4120	1243	-1.351	4	0.351
HIP 71253	M	4223	459	-1.638	7	0.111
HIP 71898	M	4549	1864	18.687	12	0.082
HIP 73302	V	3778	0	-7.481	1	NaN
HIP 7339	V	5080	0	-33.357	2	0.046
HIP 73427	V	5119	452	-26.337	6	0.133
HIP 74346	V	5331	67	-69.158	4	0.132
HIP 74995	M	4555	2136	-9.523	150	0.132
HIP 7728	V	3695	2	-15.350	3	0.092
HIP 77908	V	4929	1	5.462	2	0.026
HIP 7830	V	5189	2	10.162	4	0.076
HIP 78423	V	5034	445	-35.942	5	0.136
HIP 7924	V	3575	6	1.397	3	0.124
HIP 79308	V	3744	534	-50.240	3	0.103
HIP 79431	M	5109	451	-4.656	21	0.196
HIP 79698	V	5007	451	-45.404	7	0.139
HIP 80096	V	5329	32	-73.034	4	0.080
HIP 80295	V	3516	178	-17.445	2	0.100
HIP 8051	M	4528	1961	-25.945	18	0.212
HIP 80824	M	4507	1300	-21.249	36	0.115
HIP 82408	V	5380	0	-0.461	1	NaN
HIP 83043	M	4726	1914	4.145	25	0.101
HIP 8361	V	5191	0	8.351	1	NaN
HIP 83762	M	3872	484	-50.725	6	0.172
HIP 84099	M	3551	696	-44.404	3	0.323
HIP 84790	M	3479	0	-19.189	1	NaN
HIP 85582	V	4751	238	-8.080	8	0.149
HIP 85977	V	4749	209	-94.063	8	0.130
HIP 86961	M	4626	1842	-28.929	8	0.095

Table 3—Continued

Star Name	Template[a]	$\langle JD \rangle$ -2450000	ΔT (days)	$\langle RV \rangle$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
HIP 87062	V	3360	239	84.660	2	0.298
HIP 87123	V	4658	1064	-66.098	8	0.104
HIP 87464	V	4719	2	-24.462	4	0.061
HIP 89087	V	4719	2	-39.517	4	0.135
HIP 8920	V	3933	0	-41.325	1	NaN
HIP 89215	V	3394	306	-0.842	2	0.366
HIP 8943	V	3399	2	-4.714	2	0.051
HIP 90075	V	3576	0	-36.087	1	NaN
HIP 90376	V	4719	2	-23.264	4	0.141
HIP 916	V	4723	4	-11.418	4	0.302
HIP 91699	M	3758	421	-31.873	2	0.060
HIP 92403	M	3575	695	-10.535	3	0.060
HIP 92922	V	4010	680	-39.302	8	0.203
HIP 93119	V	4720	4	-14.846	5	0.138
HIP 93703	V	5347	69	-41.083	15	0.086
HIP 93871	V	4719	2	9.032	4	0.065
HIP 97051	V	5057	660	-12.314	15	0.127
HIP 9788	V	4920	541	-10.703	16	0.151
HIP 99205	V	4822	311	-33.930	6	0.101
HIP 99332	V	4896	326	-7.735	9	0.124
HIP 99385	V	4719	1	21.998	3	0.043
htr125-001	V	4616	1039	-22.489	25	0.741
htr126-015	V	4456	0	-64.467	1	NaN
htr127-008	V	4677	263	9.659	9	0.096
htr133-004	V	4549	1	-28.778	4	0.201
htr136-001	V	5068	742	14.766	101	0.165
htr145-001	V	4305	1134	-23.372	11	0.155
htr145-002	V	4442	1135	-40.639	24	0.125
htr152-001	V	4222	65	7.703	9	0.239
htr153-004	V	4402	267	-26.058	7	0.596
htr154-011	V	4947	1039	-10.525	35	0.212
htr155-001	V	4885	1040	-63.511	114	0.101
htr161-003	V	4319	1353	-22.390	18	0.104
htr169-024	V	4548	1	28.676	3	0.071

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
htr170-004	V	4558	857	31.668	25	0.155
htr173-008	V	4761	63	16.707	5	0.126
htr176-001	V	4925	524	23.460	18	0.163
htr176-002	V	4361	417	-9.999	17	0.169
htr176-007	V	4845	151	-24.126	5	0.264
htr180-001	V	4956	2	9.773	6	0.160
htr182-001	V	4188	2	-14.183	5	0.090
htr183-005	V	5057	441	22.210	11	0.123
htr185-002	V	4665	207	-33.428	5	0.168
htr187-001	V	4188	0	2.213	2	0.033
htr188-001	V	5049	0	-23.242	2	0.109
htr188-002	V	4188	2	0.399	4	0.147
htr189-001	V	4727	1	-14.960	3	0.019
htr191-001	V	5055	1103	-1.317	47	0.093
htr194-006	V	4724	649	-17.656	12	0.207
htr195-003	V	5180	715	-20.393	59	0.095
htr196-004	V	4681	176	-51.160	9	0.104
htr198-002	V	4470	121	-9.588	7	0.117
htr204-007	V	4338	2	-43.809	9	0.637
htr204-010	V	4603	1	-51.049	3	0.103
htr204-011	V	4603	1	-27.183	3	0.147
htr204-014	V	4338	2	5.775	6	0.048
htr205-024	V	4506	1039	-22.143	14	0.168
htr205-22	V	4059	1449	-3.034	12	0.121
htr205-23	V	4278	1449	-2.698	72	0.156
htr213-001	V	4688	261	18.729	8	0.149
htr213-002	V	4748	643	4.779	10	0.153
htr239-001	V	4612	381	-22.137	12	0.104
htr239-004	V	4790	863	-11.250	29	0.129
htr239-008	V	4783	228	42.205	5	0.152
htr241-002	V	4804	229	-162.356	8	0.137
htr248-002	V	4797	955	20.094	37	0.113
htr294-002	V	4898	649	11.991	20	0.213
htr294-003	V	4942	649	3.641	14	0.141

Table 3—Continued

Star Name	Template[a]	<JD> -2450000	ΔT (days)	<RV> (km s^{-1})	Obs	σ_{RV} (km s^{-1})
htr341-004	V	4840	556	-14.356	15	0.263
Kepler-4	V	5075	93	-60.975	23	0.168
Kepler-8	V	5050	152	-52.890	36	0.355
Kepler-6	V	5003	59	-49.222	11	0.107
Kepler-5	V	5020	125	-18.527	9	0.113
Kepler-7	V	5134	1	0.222	2	0.575
KIC 8394721	V	5351	0	-23.258	1	NaN
KIC 5972334	V	5352	0	-62.979	1	NaN
KIC 10723750	V	5352	0	-12.784	1	NaN
KIC 3323887	V	5359	35	2.187	10	0.100
KIC 7287995	V	5351	0	0.533	1	NaN
KIC 7825899	V	5351	0	-21.275	1	NaN
lhs462	M	3706	454	0.491	2	0.252
lkca15	V	5259	54	18.187	2	0.011
pz99 j155847	V	4690	0	-7.436	1	NaN
pz99 j161459	V	4689	0	-0.987	1	NaN
pz99 j161618	V	4690	0	-8.416	1	NaN
rx j1600	V	4689	0	-0.901	1	NaN
s101438b	V	3501	599	-38.877	3	0.110
s11844	V	4080	1100	-17.089	6	0.133
s122446	M	4483	1536	-12.468	23	0.110
s130811	V	4645	2047	62.441	25	0.190
s92823	V	3622	784	26.000	3	0.075
sr21	V	4690	0	-26.537	1	NaN
tres1	V	4053	2052	-20.569	14	0.195
tres2	V	4260	799	-0.640	63	0.059
tres3	V	4343	1073	9.647	19	0.136
tres4	V	4829	913	-15.865	2	0.158
twhya	V	4962	655	12.600	2	0.334
usco j160357	V	5257	0	93.108	1	NaN
usco j160823	V	5257	0	283.156	1	NaN
v383lac	V	4355	1412	-18.624	4	0.950
wasp-1	V	4345	6	-13.430	37	0.089
wasp-2	V	4675	0	-27.958	1	NaN

Table 3—Continued

Star Name	Template[a]	$<$JD$>$ -2450000	ΔT (days)	$<$RV$>$ (km s^{-1})	Obs	σ_{RV} (km s^{-1})
wasp-3	V	4655	350	-5.409	28	0.126
wasp12	V	5239	125	18.921	14	0.232
wasp13	V	5243	25	9.940	2	0.058
wasp14	V	4843	348	-5.627	4	0.318
wasp17	V	5232	0	-49.251	1	NaN
wasp18	V	5232	0	2.780	2	0.042
wasp19	V	5232	0	21.001	1	NaN
wasp4	V	5378	0	57.414	1	NaN
xo-1	V	5232	0	1.972	1	NaN
xo-2	V	4667	884	46.856	3	0.071
xo-3	V	4876	420	-10.702	43	0.532
xo-4	V	5270	29	1.620	2	0.046

[a]We used the Vesta spectrum as a template when V is listed, and a spectrum for HIP 80824 as a template when M is listed.
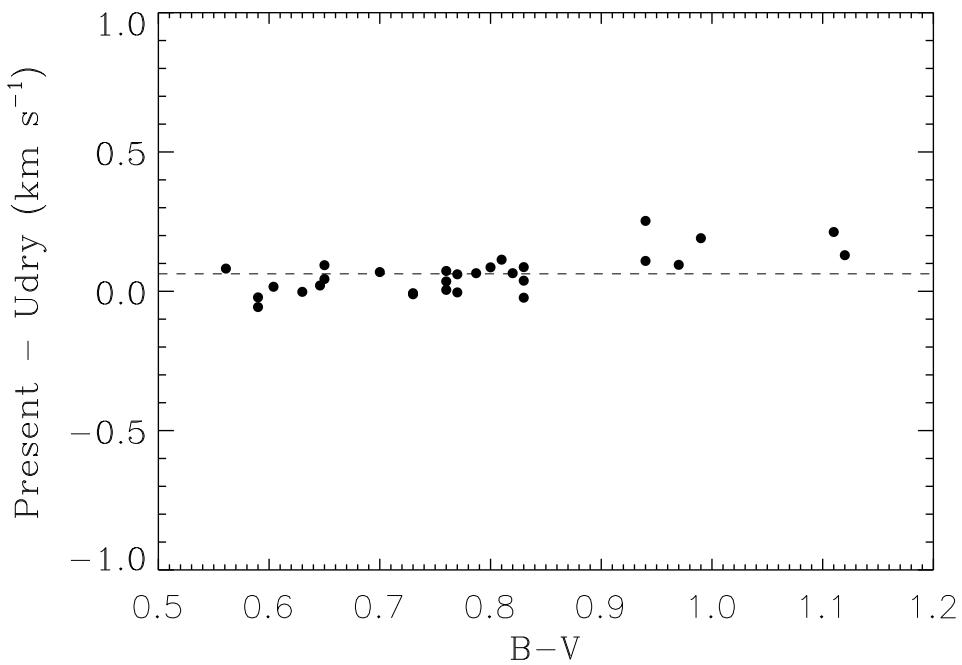
Fig. 1.— Difference between velocities of standard stars and velocities measured here, for stars in common with Udry et al. (1999a). The present velocities agree well with the standards, with an RMS scatter of 0.072 km s^{-1} and a zero-point difference of 0.063 km s^{-1}.
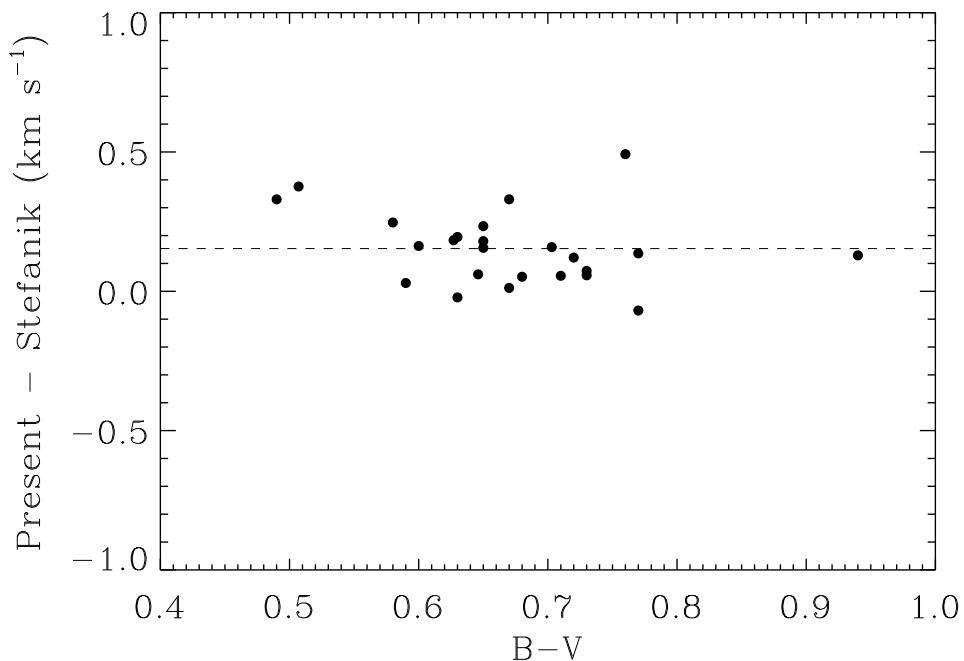
Fig. 2.— Difference between velocities of standard stars and velocities measured here, for stars in common with Stefanik et al. (1999). The present velocities agree well with the standards, with an RMS scatter of 0.13 km s^{-1} and a zero-point difference of 0.15 km s^{-1}.
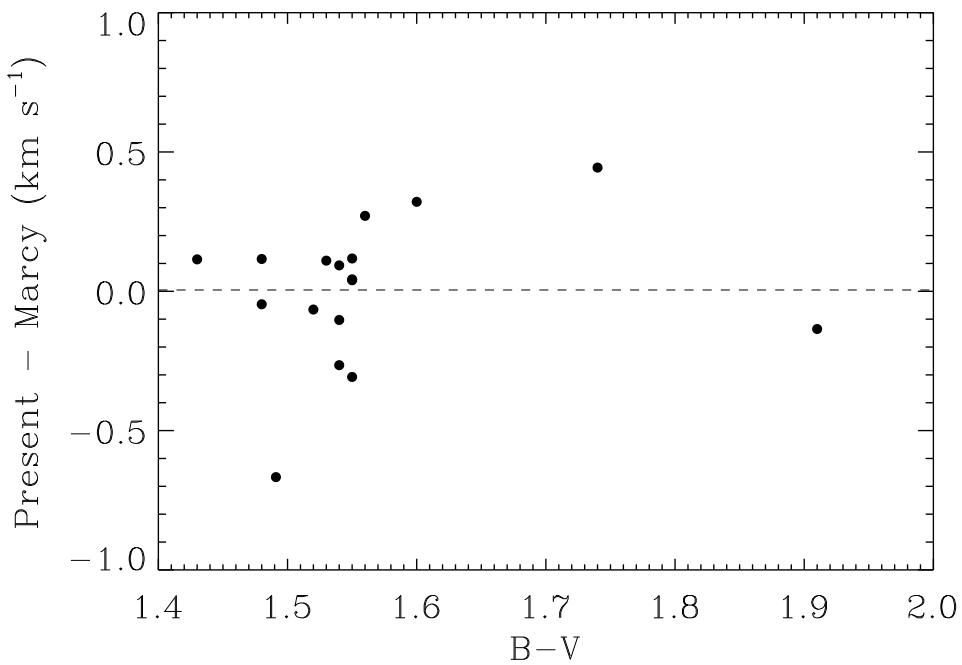
Fig. 3.— Difference between velocities of standard stars and velocities measured here, for M dwarfs in common with Marcy et al. (1987). The present velocities agree well with the standards, with an RMS scatter of 0.26 km s^{-1} and a zero-point difference of 0.005 km s^{-1}.
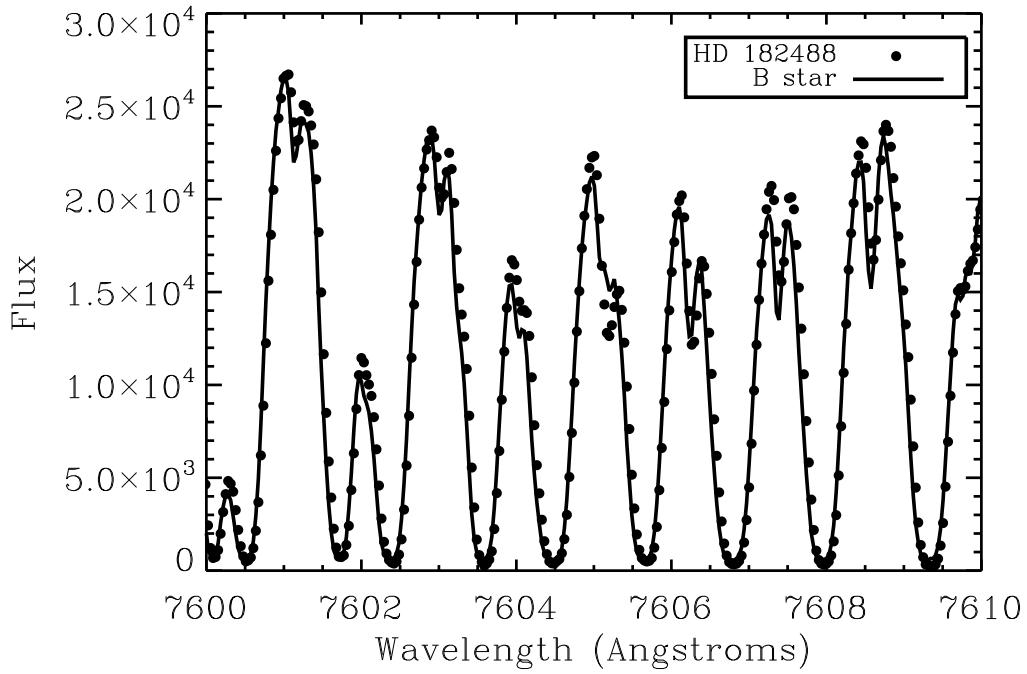
Fig. 4.— Telluric A band seen in both the reference B star, HD 79439 (solid line) and the program star, HD 182488 (dots). The spectrum of the program star is apparently displaced redward by 0.437 pixels, due entirely to a change in the zero-point of the wavelength scale caused by instrumental effects. This new zero-point is determined to within a hundredth of a pixel (13 m s^{-1}) by χ^2 fitting.
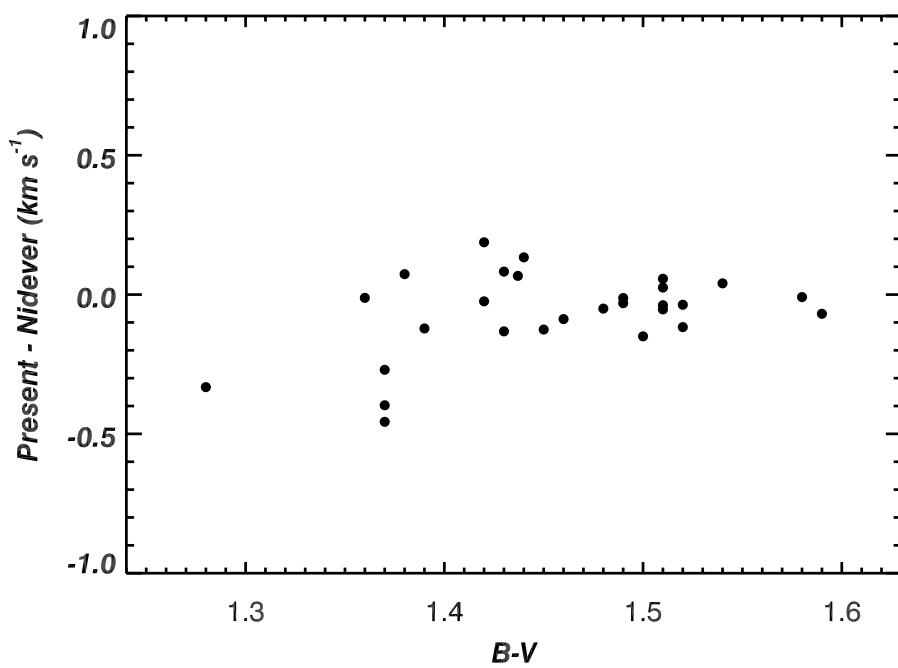
Fig. 5.— Difference between present velocities and those of Nidever et al. (2002) for all M dwarfs in common.
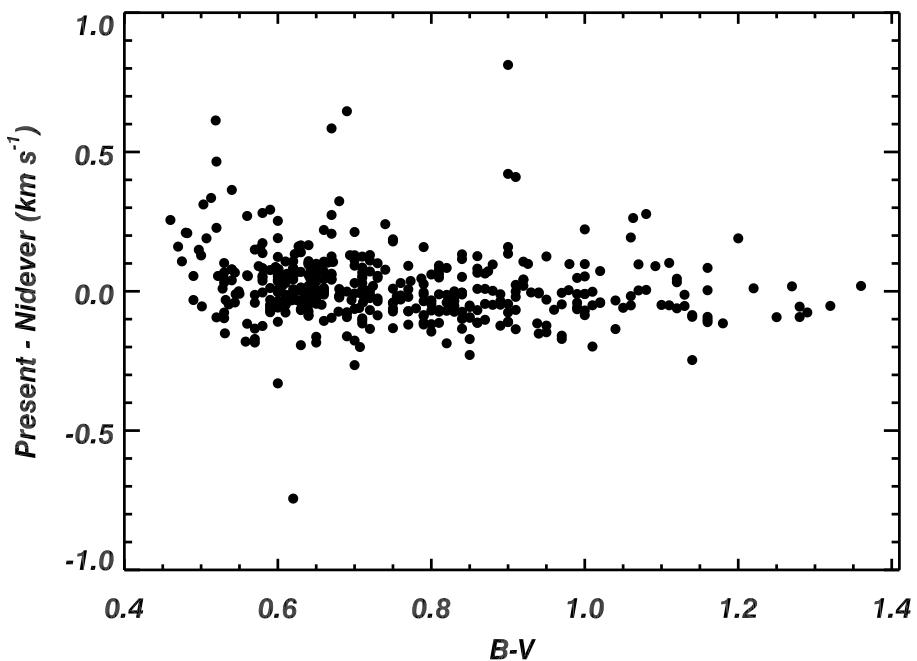
Fig. 6.— Difference between present velocities and those of Nidever et al. (2002) for all F,G, and K stars in common. Note that the stars with a velocity difference greater than 0.5 km s^{-1} are actually confirmed binary systems.
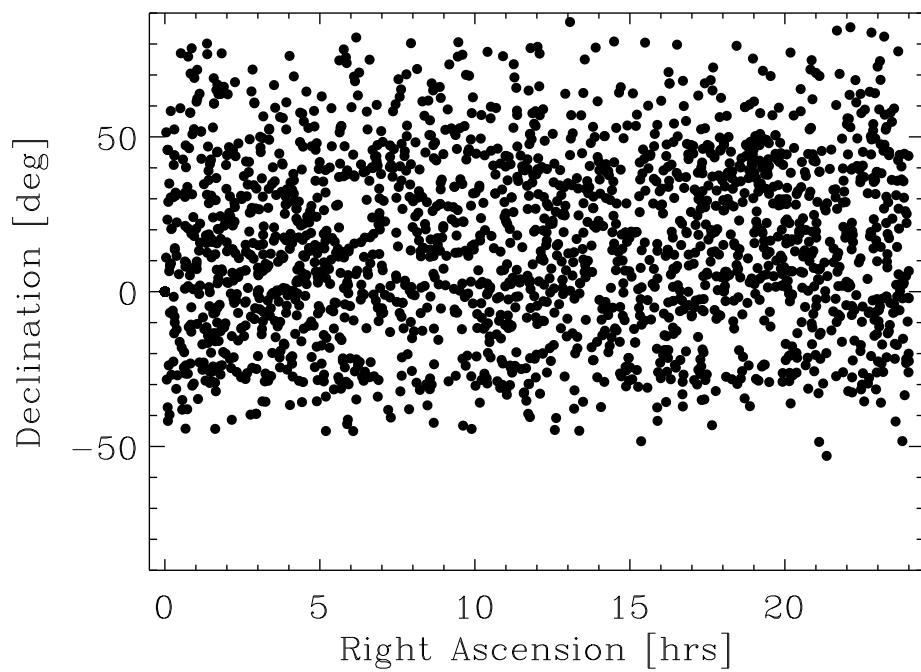
Fig. 7.— Location of the stars in this program in equatorial coordinates.