

CATALOG OF SPECTROPHOTOMETRIC SCANS OF STARS

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ABSTRACT

A catalog of stellar energy distributions from 3200 to 12000 Å measured with photoelectric scanners has been compiled. Some previously unpublished measurements have been included. The data have been converted to the Hayes-Latham calibration of α Lyrae.

Subject heading: spectrophotometry

I. INTRODUCTION

This catalog contains 937 sets of stellar spectrophotometric measurements in the spectral range of 3200 to 12000 Å. The data were collected from the literature as well as several unpublished sources, and were converted to a uniform absolute calibration of the primary standard star, α Lyrae. The new calibration of Hayes and Latham (1975) was adopted. Should another absolute calibration be desired, it would be easy to add small constants to all the listed magnitudes. The choice of stars included in this catalog has been explained in the preceding paper (Breger 1976), where the different sources of data were analyzed for systematic and random errors. The stars listed in this catalog represent the more precise observations.

The listed magnitudes were generally obtained at continuum or near-continuum wavelengths with bandpasses between 10 and 100 Å. Any measurements inside strong spectral lines, such as hydrogen lines, or on the steep part of the Balmer discontinuity were excluded. At these wavelengths, the measured fluxes depend critically on the bandpass used and the exact wavelength centering at the time of observation, and seem to differ from observer to observer. Some stars included are small-amplitude variables, mainly β CMa, δ Sct, and peculiar A stars. The references to the data are shown in Table 1 together with the observer code adopted in the catalog.

II. NOTES ON THE USE OF THE CATALOG

The stars are ordered in increasing right ascension. A minority of the stars were observed by several different observers, and consequently are listed more than once. The magnitudes listed are the observed values, transformed to the Hayes-Latham calibration of α Lyrae. Two sets of measurements of southern stars (AFN, MOR) needed adjustments, which were determined from stars in common with primary observers such as Oke and Hayes. For AFN the average correction amounted to -0.006 mag shortward of the Balmer discontinuity, 0.000 mag in the blue and $+0.005$ mag in the yellow region. The MOR corrections are

strongly wavelength dependent. The MOR data also require further right ascension-dependent flux corrections (not applied here).

If high-precision fluxes are required by the user, the error analysis of the different sources of data in the preceding paper is strongly recommended. Especially, the sizes of the systematic residuals as a function of right ascension should be studied. Where multiple observations of the same star are available, the "best" observations should be used to form means. For 11 stars such means have already been established (STD).

The user can estimate an upper limit to the precision of any individual B, A, and early F star by computing synthetic $(u - b)$ and $(b - y)$ indices in the $uwby$ system by means of the approximation formulae given earlier. These should fit the observed values to ± 0.02 mag or better. A compilation of $uwby$ photometry can be found in the catalog by Lindemann and Hauck (1973). A note of caution may be in order: the $uwby$ catalog computes observed $uwby$ values for some stars observed by Eggen (1971*a, b*) from the reddening-free indices as defined in Eggen's original papers. These definitions, as listed and used, are very probably afflicted by typographical errors. (The reddening-free $[c_1]$ index is usually defined as $[c_1] = c_1 - 0.20(b - y)$.)

Several probable typographical errors were detected in several sources of spectrophotometric data. In a few obvious cases corrections could be made. A few more magnitudes were omitted by us, and several other suspected typographical errors were retained and copied. This catalog should also contain some copying errors of its own: we have already detected several during our proofing, and consequently a few more may exist.

The magnitudes listed have been normalized to 0.00 at 5000 Å. In some applications, the actual magnitudes at each wavelength may be required. Only some of the original sources actually list their normalization constants: these often disagree from observer to observer for the same star, since relatively little attention is given to this aspect of their observations. If the normalization constant is desired, the user is urged to refer to the original references or use a well-determined V magnitude for the flux at 5445 Å.

TABLE 1
OBSERVERS INCLUDED IN THE CATALOG

Code	References and Remarks
AD	Adelman, S. J. 1973, <i>Ap. J.</i> , 182 , 531. Sign of flux measurements below the Balmer jump changed to positive. A recent preprint by Adelman was also included.
AFN	Aller, L. H., Faulkner, D. J., and Norton, R. H. 1966, <i>Ap. J.</i> , 144 , 1073.
BA	Bahner, K. 1963, <i>Ap. J.</i> , 138 , 1314.
BAO	Baschek, B., and Oke, J. B. 1965, <i>Ap. J.</i> , 141 , 1404.
BRE	Breger, M., unpublished measurements.
BRK	Breger, M., and Kuhl, L. V. 1970, <i>Ap. J.</i> , 160 , 1129.
DAD	Danziger, I. J., and Dickens, R. J. 1967, <i>Ap. J.</i> , 149 , 55. Since most stars were scanned several times, averages were taken.
DAJ	Danziger, I. J., and Jura, M. A. 1970, <i>Ap. J.</i> , 161 , 997.
DP	Dickens, R. J., and Penny, A. J. 1971, <i>M.N.R.A.S.</i> , 153 , 287.
DW	Davis, J., and Webb, R. J. 1974, <i>M.N.R.A.S.</i> , 168 , 163.
FSW	Fař, T. D., Jr., Stein, W. L., and Warren, W. H., Jr. 1972, private communication.
HAY	Hayes, D. S. 1970, <i>Ap. J.</i> , 159 , 165.
HSD	Higginbotham, N. A., Shiffer, F. H., III, and Dufour, R. J. 1974, preprint.
HYL	Hyland, A. R. 1967, Ph.D. dissertation, Australian National University, Canberra.
JON	Jones, D. H. P. 1966, in <i>IAU Symposium No. 24, Spectral Classification and Multicolour Photometry</i> , ed. K. Loden, L. O. Loden, and U. Sinnerstad (New York: Academic Press), p. 141.
JUS	Jugaku, J., and Sargent, W. L. W. 1968, <i>Ap. J.</i> , 151 , 259.
KHA	Kharnitov, A. V. 1963, <i>Soviet Astr.—AJ</i> , 7 , 258 (English translation).
KO	Kodaira, K. 1970, <i>Ap. J.</i> , 159 , 931.
KOE	Koelbloed, D. 1967, <i>Ap. J.</i> , 149 , 299.
KUB	Kubiak, M. 1973, <i>Acta Astr.</i> , 23 , 23.
LEC	Leckrone, D. S. 1971, <i>Astr. and Ap.</i> , 11 , 387.
MOR	Gutierrez-Moreno, A., Moreno, H., and Stock, J. 1968, <i>Univ. Chile Dept. Astr. Pub.</i> , 8 , 127.
NOR	Norris, J. 1971, <i>Ap. J. Suppl.</i> , 23 , pp. 193, 213.
OC	Oke, J. B., and Conti, P. S. 1966, <i>Ap. J.</i> , 143 , 134.
OKE	Oke, J. B. 1967, <i>Ap. J.</i> , 150 , 513; and Oke, J. B. 1964, <i>Ap. J.</i> , 140 , 689.
ROD	Rodgers, A. W. 1970, <i>Ap. J.</i> , 152 , 109.
RPS	Stone, R. P. S. 1974, <i>Ap. J.</i> , 193 , 135.
SAR	Sargent, W. L. W. 1968, <i>Ap. J.</i> , 152 , 885.
SC	Schild, R., and Chaffee, F. 1971, <i>Ap. J.</i> , 169 , 529.
SCF	Schild, R., Chaffee, F., Frogel, J. A., and Persson, S. E. 1974, <i>Ap. J.</i> , 190 , 73.
SCH	Schild, R., unpublished measurements.
SEG	Schmidt, E. G. 1971, <i>Ap. J.</i> , 165 , 335.
SPO	Schild, R., Peterson, D. M., and Oke, J. B. 1971, <i>Ap. J.</i> , 166 , 95. Their actual measurements were used (private communication), instead of the less extensive tables published.
SS	Sargent, W. L. W., and Searle, L. 1968, <i>Ap. J.</i> , 152 , 443.
STD	Secondary standards established from averages of primary observers.
STI	Stickland, D. J. 1971, <i>M.N.R.A.S.</i> , 153 , 501.
WAT	Watson, R. D. 1972, <i>Ap. J. Suppl.</i> , 24 , 167.
WHI	Whiteoak, J. B. 1967, <i>Ap. J.</i> , 150 , 521.
WKH	Wolff, S. C., Kuhl, L. V., and Hayes, D. S. 1968, <i>Ap. J.</i> , 152 , 871. Measurements of η UMa = HR 5191 were omitted, since they appear very discordant.
WOL	Wolff, S. C. 1967, <i>Ap. J. Suppl.</i> , 15 , 21.

III. EXPLANATION OF SYMBOLS IN THE CATALOG

The catalog is listed in Table 2. The top two lines give the name of the star, followed by the $(B - V)$ color taken from the literature and the spectral type. The following row lists the bandwidth, BW, for the observations, when given in the original paper. Many sets of observations were made with different bandpasses at different wavelengths, and the range of bandpasses is usually given. The sixth row lists the observer and original reference in a coded form, which has been decoded in Table 1.

The column headed by "LAMBDA" refers to the wavelength of observation in angstroms, while "MAG" refers to the conventional magnitude *per unit frequency*.

IV. FORMULAE

Let

F_ν = stellar flux per unit frequency at frequency ν (ergs cm⁻² s⁻¹ Hz⁻¹),

F_λ = stellar flux per unit wavelength at wavelength λ (ergs cm⁻² s⁻¹ Å⁻¹),

F_{ν_0} = stellar flux at the normalization frequency (usually at 5000 Å),

m_ν = magnitude per unit frequency at ν as listed in the catalog,

$m_{\nu,5445}$ = magnitude per unit frequency at 5445 Å as listed in the catalog,

V = apparent magnitude of the star in the *UBV* system,

N_λ = number of photons cm⁻² s⁻¹ Å⁻¹ reaching Earth,

c = speed of light (3×10^{10} cm s⁻¹).

The following formulae and calibrations may be useful:

$$F_\lambda(\text{star}) = F_\nu(\text{star})c/\lambda^2, \quad (1)$$

$$F_\nu(\text{star}) = F_{\nu_0}(\text{star}) \text{dex}(-0.4m_\nu). \quad (2)$$

The number of photons received (λ in angstroms) is

$$N_\lambda(\text{star}) = 1.509 \times 10^{26} F_\nu/\lambda. \quad (3)$$

If one assumes the Hayes-Latham calibration of Vega,

$F_\nu(\text{star})$

$$\approx 3.694 \times 10^{-20} \text{dex}[-0.4(V + m_\nu - m_{\nu,5445})]. \quad (4)$$

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TABLE 2
THE CATALOG

ALPHA AND		ALPHA AND		BETA CAS		GAMMA PEG		GAMMA PEG		GAMMA PEG	
B-V	HR 15	HR 15	HR 15	HR 21	HR 21	HR 39	HR 39	HR 39	HR 39	HR 39	HR 39
-0.11	-0.11	-0.11	-0.11	0.34	0.34	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23
SP	89P	89P	89P	F21V	F21V	B21V	B21V	B21V	B21V	B21V	B21V
10	10	10	10	50	50	50	50/100	50	50	50	50
OBS	JUS	WOL	WOL	BA	BA	BA	SPO	SPO	SPO	WAT	WAT
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.465	4032	-.266	3294	1.593	3294	-.219	3300	-.216	3390	-.178
3448	.459	4255	-.165	3396	1.562	3396	-.170	3390	-.174	3448	-.165
3509	.447	4464	-.155	3492	1.479	3492	-.131	3448	-.167	3509	-.133
3571	.445	4566	-.131	3594	1.420	3594	-.100	3509	-.147	3571	-.114
3636	.427	4780	-.071	4026	.212	4026	-.305	3570	-.122	3636	-.106
4032	-.266	5000	0.000	4172	.182	4172	-.281	3636	-.115	4032	-.332
4082	-.256	5260	.072	4418	.083	4418	-.219	4036	-.349	4167	-.315
4167	-.235	5550	.118	4544	.059	4544	-.166	4167	-.298	4255	-.274
4255	-.205	5800	.177	4724	-.004	4724	-.087	4255	-.276	4464	-.196
4367	-.185	6060	.239	4954	-.012	4954	-.009	4464	-.206	4566	-.160
4464	-.165	6370	.300	5120	-.009	5120	.050	4566	-.177	4785	-.085
4566	-.131	6800	.372	5368	-.036	5368	.122	4780	-.096	5000	0.000
4673	-.136	7110	.425	5672	-.060	5672	.220	5000	0.000	5263	.065
4780	-.081	7530	.525	6014	-.074	6014	.321	5264	.086	5400	.120
4902	-.029	7850	.578	6404	-.076	6404	.419	5556	.182	5556	.187
5000	0.000	8080	.611	0	0.000	0	0.000	5840	.263	5840	.239
5128	.037	8400	.633	0	0.000	0	0.000	6050	.320	6055	.313
5263	.093	8800	.686	0	0.000	0	0.000	0	0.000	6370	.380
5556	.118	0	0.000	0	0.000	0	0.000	0	0.000	6800	.462
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.524
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.596

GAMMA PEG		GAMMA PEG		THETA AND		THETA AND		FEIGE 1A		KAPPA PHE	
B-V	HR 39	HR 39	HR 39	HR 63	HR 63	HR 63	HR 63	0.07	0.07	HR 100	HR 100
-0.23	-0.23	-0.23	-0.23	0.06	0.06	0.06	0.06	0.07	0.07	0.17	0.17
SP	B21V	B21V	B21V	A2V	A2V	A2V	A2V	A1V	A1V	A7VN	A7VN
50	50	60	60	50	50	48/64	48/64	50	50	60	60
OBS	WKH	MOR	MOR	WKH	WKH	KUB	KUB	SS	SS	MOR	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.216	3300	-.256	3300	1.276	3400	1.215	3390	1.165	3300	1.424
3400	-.211	3400	-.197	3400	1.254	3450	1.195	3448	1.119	3400	1.353
3450	-.178	3500	-.160	3450	1.240	3560	1.144	3571	1.075	3500	1.350
3500	-.160	3600	-.133	3500	1.208	3615	1.135	3636	1.107	3600	1.297
3570	-.152	4200	-.316	3570	1.193	3670	1.093	4032	-.126	4200	-.026
3636	-.091	4425	-.237	3636	1.166	4050	-.199	4255	-.115	4425	-.047
4032	-.296	4600	-.166	4032	-.172	4170	-.184	4566	-.071	4600	-.036
4167	-.283	4750	-.084	4167	-.139	4230	-.167	5000	0.000	4750	-.034
4255	-.251	5000	0.000	4255	-.129	4300	-.129	5556	.078	5000	0.000
4466	-.131	5200	.031	4466	-.135	4440	-.154	0	0.000	5200	.011
4566	-.149	5400	.085	4566	-.089	4510	-.138	0	0.000	5400	-.005
4780	-.088	5600	.216	4780	-.074	4580	-.100	0	0.000	5600	-.004
5000	0.000	5800	.252	5000	0.000	4615	-.101	0	0.000	5800	.012
5263	.048	6000	.271	5263	.029	4680	-.082	0	0.000	6000	-.009
5556	.156	0	0.000	5556	.060	4785	-.075	0	0.000	0	0.000
5840	.228	0	0.000	5840	.105	5000	0.000	0	0.000	0	0.000
6056	.292	0	0.000	6056	.141	5260	.025	0	0.000	0	0.000
6370	.378	0	0.000	6370	.192	5560	.068	0	0.000	0	0.000
6800	.488	0	0.000	6800	.263	5840	.109	0	0.000	0	0.000
7100	.531	0	0.000	7100	.296	6050	.153	0	0.000	0	0.000
7530	.641	0	0.000	7530	.327	6370	.210	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.252	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.284	0	0.000	0	0.000

TABLE 2—Continued

HD 2665		BETA1 TUC		BETA2 TUC		HD 3322		54 PSC		ETA PHE	
B-V	HR 126	B-V	HR 126	B-V	HR 127	B-V	HR 149	B-V	HR 166	B-V	HR 191
SP	-0.07	SP	-0.07	SP	0.15	SP	-0.08	SP	0.86	SP	0.00
BW	B8V	BW	B8V	BW	A2V	BW	A SI	BW	K0V	BW	A0IV
OBS	50	OBS	60	OBS	60	OBS	30/60	OBS	50	OBS	60
	KOE		MOR		MOR		WOL		WHI		MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3448	1.663	3300	.864	3300	1.224	5260	.050	4955	.022	3300	1.214
3509	1.602	3400	.883	3400	1.183	5550	.105	5311	-.159	3400	1.243
3571	1.539	3500	.880	3500	1.180	5800	.165	5556	-.265	3500	1.220
3636	1.411	3600	.867	3600	1.127	6060	.206	5747	-.351	3600	1.137
4036	1.067	4200	-.206	4200	-.076	6370	.268	6053	-.415	4200	-.176
4167	.569	4425	-.167	4425	-.067	6800	.339	6431	-.493	4425	-.137
4255	.550	4600	-.106	4600	-.066	7110	.382	6821	-.561	4600	-.106
4464	.287	4750	-.064	4750	-.044	7530	.482	7102	-.588	4750	-.064
4566	.230	5000	0.000	5000	0.000	7850	.515	7530	-.628	5000	0.000
4780	.087	5200	.031	5200	-.009	8080	.558	7819	-.635	5200	.031
5319	-.167	5400	.085	5400	.005	8400	.580	8065	-.672	5400	.055
5556	-.278	5600	.126	5600	.016	8800	.614	8598	-.719	5600	.096
5747	-.331	5800	.162	5800	.042	0	0.000	8850	-.737	5800	.152
6053	-.416	6000	.211	6000	.071	0	0.000	9950	-.752	6000	.211
6431	-.514	0	0.000	0	0.000	0	0.000	10246	-.754	0	0.000
6821	-.631	0	0.000	0	0.000	0	0.000	10526	-.777	0	0.000
7100	-.673	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7530	-.711	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7819	-.740	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8065	-.795	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8400	-.855	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8560	-.854	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8850	-.858	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9950	-.795	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

HD 4628		MU AND		ALPHA SCL		ALPHA SCL		ALPHA SCL		HO 5916	
B-V	HR 222	B-V	HR 269	B-V	HR 280	B-V	HR 280	B-V	HR 280	B-V	HR 5916
SP	0.88	SP	0.13	SP	-0.18	SP	-0.18	SP	-0.18	SP	0.90
BW	DK4	BW	A5V	BW	B8III	BW	B8III	BW	B8III	BW	G8 III
OBS	50	OBS	50	OBS	50	OBS	9	OBS	60	OBS	60
	WHI		OKE		NOR		AFN		MOR		JOY
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.023	3390	1.425	3390	.322	3392	.298	3300	.284	5060	-.025
5311	-.158	3448	1.389	3448	.316	3441	.297	3400	.333	5560	-.233
5556	-.294	3509	1.367	3509	.327	3504	.294	3500	.320	5810	-.299
5747	-.379	3571	1.345	3571	.346	3567	.293	3600	.327	6050	-.334
6053	-.464	3636	1.297	3636	.343	3634	.283	4200	-.226	6670	-.544
6431	-.552	4032	-.086	4032	-.288	4032	-.305	4425	-.177	7460	-.701
6821	-.649	4167	-.075	4167	-.245	4082	-.280	4600	-.116	8000	-.714
7102	-.687	4255	-.075	4255	-.214	4167	-.247	4750	-.064	8750	-.823
7530	-.737	4464	-.075	4464	-.166	4255	-.217	5000	0.000	9190	-.788
7819	-.773	4566	-.061	4566	-.120	4367	-.192	5200	.061	10000	-.923
8065	-.811	4785	-.050	4785	-.075	4464	-.174	5400	.115	10550	-.964
8598	-.858	5000	0.000	5000	0.000	4566	-.128	5600	.176	0	0.000
8850	-.885	5263	.023	5263	.085	4673	-.102	5800	.242	0	0.000
9950	-.921	5556	.028	5556	.187	5000	0.000	6000	.361	0	0.000
10246	-.923	5840	.070	0	0.000	5127	.028	0	0.000	0	0.000
10526	-.935	6055	.089	0	0.000	5261	.058	0	0.000	0	0.000
0	0.000	6436	.121	0	0.000	5556	.118	0	0.000	0	0.000
0	0.000	6790	.141	0	0.000	5868	.175	0	0.000	0	0.000
0	0.000	7100	.165	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7550	.206	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7780	.221	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8090	.221	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8370	.215	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8708	.215	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 6755		HD 6870		HILTNER 102		ZETA PHE		FEIGE 11		NU PSC	
B-V	0.72	0.22				HR 338				HR 383	
SP	G0	A5III		B0III		-0.10		-0.26		0.03	
BW		50		49/98		B6V		S0B		A3V	
OBS	KOE	ROO		RPS		60		50		50	
						MOR		SS		WKH	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3509	1.437	3390	1.295	3300	1.124	3300	.394	3390	-.365	3300	1.425
3571	1.395	3448	1.269	3350	1.137	3400	.473	3448	-.331	3400	1.389
3636	1.277	3509	1.217	3400	1.066	3500	.460	3571	-.285	3450	1.359
4036	.583	3571	1.170	3450	1.042	3600	.487	3636	-.333	3500	1.340
4167	.495	3636	1.112	3500	.984	4200	-.226	4032	-.426	3570	1.328
4255	.495	4036	.054	3571	.938	4425	-.197	4255	-.355	3636	1.270
4464	.255	4167	.075	3636	.895	4600	-.136	4566	-.181	4032	-.175
4566	.179	4255	.070	4036	.511	4750	-.084	5000	0.000	4167	-.124
4780	.119	4464	-.015	4167	.432	5000	0.000	5556	.168	4255	-.128
5000	0.000	4566	.004	4255	.394	5200	.021	0	0.000	4466	-.119
5264	-.107	4780	-.041	4464	.294	5400	.075	0	0.000	4566	-.071
5556	-.262	5000	0.000	4566	.223	5600	.126	0	0.000	4780	-.054
5882	-.296	5264	-.017	4785	.144	5800	.182	0	0.000	5000	0.000
0	0.000	5556	-.052	5000	0.000	6000	.201	0	0.000	5263	.039
0	0.000	6050	-.047	5263	-.194	0	0.000	0	0.000	5556	.069
0	0.000	6800	.002	5556	-.398	0	0.000	0	0.000	5840	.117
0	0.000	7530	-.070	5840	-.447	0	0.000	0	0.000	6056	.159
0	0.000	8400	-.127	6056	-.510	0	0.000	0	0.000	6370	.213
0	0.000	9709	-.052	6436	-.618	0	0.000	0	0.000	6800	.266
0	0.000	0	0.000	6790	-.754	0	0.000	0	0.000	7100	.306
0	0.000	0	0.000	7100	-.811	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7550	-.872	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7780	-.920	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8090	-1.005	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8370	-1.041	0	0.000	0	0.000	0	0.000

DELTA CAS		ALPHA ERI		ALPHA ERI		ALPHA ERI		107 PSC		TAU CET	
B-V	0.13	HR 472		HR 472		HR 472		HR 493		HR 509	
SP	A5V	B5IV		B5IV		B5IV		K1V		G8VP	
BW	50/100	50		7		60		50			
OBS	SPO	DW		ΔFN		MOR		WHI		FSW	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.444	3300	.175	3392	.196	3300	.149	4955	.020	3500	1.626
3390	1.486	3390	.250	3441	.202	3400	.219	5311	-.141	3571	1.716
3448	1.473	3448	.259	3504	.208	3500	.225	5556	-.247	3636	1.415
3509	1.433	3509	.272	3567	.216	3600	.223	5747	-.323	4037	.714
3570	1.388	3571	.270	3634	.215	4200	-.258	6053	-.397	4168	.572
3636	1.345	3636	.267	4032	-.309	4425	-.195	6431	-.465	4255	.617
4036	-.079	4032	-.251	4082	-.281	4600	-.127	6821	-.553	4464	.253
4167	-.058	4167	-.225	4167	-.245	4750	-.081	7102	-.580	4566	.164
4255	-.066	4255	-.185	4255	-.207	5000	0.000	7530	-.610	4787	.037
4464	-.066	4464	-.140	4367	-.182	5200	.035	7819	-.636	5000	0.000
4566	-.057	4566	-.131	4464	-.162	5400	.090	8065	-.664	5263	-.070
4780	-.011	4785	-.060	4566	-.114	5600	.139	8598	-.721	5559	-.227
5000	0.000	5000	0.000	4673	-.089	5800	.183	8850	-.729	5841	-.319
5264	.076	5263	.048	5000	0.000	6000	.221	9950	-.754	6057	-.364
5556	.072	5500	.083	5127	.022	0	0.000	10246	-.756	6439	-.441
5840	.093	5556	.093	5261	.044	0	0.000	10526	-.759	6793	-.516
6050	.160	5840	.160	5556	.082	0	0.000	0	0.000	0	0.000
0	0.000	6055	.199	5868	.123	0	0.000	0	0.000	0	0.000
0	0.000	6370	.265	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.312	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.365	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.460	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.538	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.551	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

TAU CET		HD 10780		FEIGE 15		FEIGE 15		EPSILON CAS		BETA ARI	
HR 509		HR 511		0.06		0.06		HR 542		HR 553	
B-V	0.72		0.82						-0.15		0.13
SP	G8VP		K0V		A1V				B3III		A5M
BW	50		50		49/98		50		50/100		50/100
OBS	WHI		WHI		RPS		SS		SPO		SPO
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.017	4955	.018	3300	1.264	3390	1.155	3300	.224	3300	1.384
5311	-.114	5311	-.124	3350	1.297	3448	1.139	3390	.256	3390	1.406
5556	-.220	5556	-.220	3400	1.266	3571	1.105	3448	.263	3448	1.393
5747	-.275	5747	-.295	3450	1.252	3636	1.087	3509	.253	3509	1.343
6053	-.340	6053	-.349	3500	1.224	4032	-.176	3570	.258	3570	1.318
6431	-.418	6431	-.417	3571	1.198	4255	-.125	3636	.275	3636	1.245
6821	-.505	6821	-.495	3636	1.165	4566	-.091	4036	-.299	4036	-.069
7102	-.533	7102	-.522	4036	-.139	5000	0.000	4167	-.248	4167	-.058
7530	-.563	7530	-.553	4167	-.128	5556	.078	4255	-.226	4255	-.066
7819	-.589	7819	-.569	4255	-.116	0	0.000	4464	-.156	4464	-.086
8065	-.627	8065	-.586	4464	-.106	0	0.000	4566	-.137	4566	-.067
8598	-.664	8598	-.633	4566	-.077	0	0.000	4780	-.066	4780	-.031
8850	-.691	8850	-.641	4785	-.046	0	0.000	5000	0.000	5000	0.000
9950	-.677	9950	-.646	5000	0.000	0	0.000	5264	.076	5264	.046
10246	-.679	10246	-.648	5263	.036	0	0.000	5556	.152	5556	.062
10526	-.681	10526	-.641	5556	.062	0	0.000	5840	.223	5840	.103
0	0.000	0	0.000	5840	.103	0	0.000	6050	.300	6050	.140
0	0.000	0	0.000	6056	.160	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6436	.202	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6790	.236	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.279	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7550	.368	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7780	.390	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8090	.395	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8370	.399	0	0.000	0	0.000	0	0.000

BETA ARI		BETA ARI		BETA ARI		BETA ARI		PHI PHE		ALPHA HYI	
HR 553		HR 553		HR 553		HR 553		HR 558		HR 529	
B-V	0.13		0.13		0.13		0.13		A0		F0V
SP	A5M		A5M		A5M		A5M		A0		F0V
BW	50		50		30/60				50		9
OBS	WKH		BA0		WOL		KHA		HYL		AFN
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.404	3390	1.380	4032	-.066	3300	1.423	3390	.925	3392	1.541
3400	1.369	3448	1.359	4255	-.065	3400	1.356	3448	.909	3441	1.489
3450	1.359	3509	1.332	4464	-.075	3500	1.308	3509	.887	3504	1.423
3500	1.310	3571	1.285	4566	-.051	3600	1.255	3570	.905	3567	1.361
3570	1.308	3636	1.237	4780	-.061	3700	1.111	3636	.877	3634	1.290
3636	1.256	4032	-.081	5000	0.000	4036	-.060	4036	-.237	4032	.076
4032	-.050	4167	-.070	5260	.032	4221	-.060	4167	-.195	4082	.074
4167	-.040	4255	-.085	5550	.038	4500	-.086	4255	-.175	4167	.064
4255	-.032	4464	-.095	5800	.067	4600	-.073	4464	-.145	4255	.053
4466	-.065	4566	-.081	6060	.099	4700	-.070	4566	-.111	4367	.028
4566	-.049	4785	-.090	6370	.140	4861	-.043	4780	-.051	4464	.005
4780	-.047	5000	0.000	6800	.172	5000	0.000	5000	0.000	4566	.011
5000	0.000	5263	-.022	7110	.205	5150	.024	5264	.103	4673	-.002
5263	.041	5556	-.022	7530	.275	5300	.038	5556	.138	5000	0.000
5556	.057	5882	.045	7850	.298	5500	.050	5840	.250	5127	-.003
5840	.074	6055	.044	8080	.321	5700	.073	0	0.000	5261	-.001
6056	.110	6370	.085	8400	.323	5850	.103	0	0.000	5556	-.002
6370	.150	6800	.117	8800	.356	6000	.140	0	0.000	5868	.007
6800	.195	7100	.160	0	0.000	6200	.171	0	0.000	0	0.000
7100	.216	7530	.225	0	0.000	6400	.199	0	0.000	0	0.000
7530	.259	7850	.263	0	0.000	6500	.202	0	0.000	0	0.000
0	0.000	8080	.276	0	0.000	6600	.172	0	0.000	0	0.000
0	0.000	8400	.278	0	0.000	6700	.143	0	0.000	0	0.000
0	0.000	8805	.296	0	0.000	6800	.140	0	0.000	0	0.000
0	0.000	9700	.322	0	0.000	7000	.146	0	0.000	0	0.000
0	0.000	9950	.352	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10250	.369	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10400	.394	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10800	.407	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

DELTA HYI		RHO CET		HD 15144		X12 CET		X12 CET		X12 CET	
HR	705	HR	708	HR	710	HR	718	HR	718	HR	718
B-V	0.04		-0.02		0.14		-0.06		-0.06		-0.06
SP	A2V		B9.5VN		AP		B9.5III		B9.5III		B9.5III
BW	60		50		30/60				50/100		50
OBS	MOR		WKM		WOL		STD		SPO		OKE
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.374	3300	1.204	5260	-0.22	3390	1.003	3390	1.016	3390	1.000
3400	1.363	3400	1.175	5550	-0.046	3448	.998	3448	1.013	3448	.994
3500	1.300	3450	1.155	5800	-0.07	3509	.982	3509	.993	3509	.987
3600	1.247	3500	1.140	6060	.014	3571	.971	3571	.978	3571	.975
4200	-.156	3570	1.111	6370	.066	3636	.945	3636	.945	3636	.952
4425	-.117	3636	1.088	6800	.088	4036	-.238	4036	-.239	4036	-.236
4600	-.106	4032	-.209	7110	.121	4167	-.197	4167	-.188	4167	-.200
4750	-.054	4167	-.178	7530	.191	4255	-.174	4255	-.176	4255	-.185
5000	0.000	4255	-.159	7850	.204	4464	-.151	4464	-.156	4464	-.150
5200	.031	4466	-.143	8080	.237	4566	-.108	4566	-.107	4566	-.111
5400	.085	4566	-.076	8400	.228	4785	-.062	4780	-.056	4785	-.065
5600	.116	4780	-.055	8800	.262	5000	0.000	5000	0.000	5000	0.000
5800	-.152	5000	0.000	0	0.000	5264	.057	5264	.056	5263	.048
6000	-.191	5263	.101	0	0.000	5556	.115	5556	.102	5556	.093
0	0.000	5556	.140	0	0.000	5840	.167	5840	.163	5840	.165
0	0.000	5840	.175	0	0.000	6050	.220	6050	.220	6055	.219
0	0.000	6056	.227	0	0.000	0	0.000	0	0.000	6370	.270
0	0.000	6370	.289	0	0.000	0	0.000	0	0.000	6800	.332
0	0.000	6800	.360	0	0.000	0	0.000	0	0.000	7100	.395
0	0.000	7100	.389	0	0.000	0	0.000	0	0.000	7530	.485
0	0.000	7530	.448	0	0.000	0	0.000	0	0.000	7850	.528
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	.561
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8400	.573
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8805	.586
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9700	.647
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9950	.682
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10250	.729
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.754
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10800	.812

X12 CET		X12 CET		KAPPA ERI		KAPPA ERI		KAPPA ERI		FEIGE 23	
HR	718	HR	718	HR	721	HR	721	HR	721		
B-V	-0.06		-0.06		-0.13		-0.13		-0.13		-0.11
SP	B9.5III		B9.5III		B8III		B8III		B8III		B6V
BW	50		60		50		9		60		50
OBS	HAY		MOR		NOR		AFN		MOR		SS
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.011	3300	1.114	3390	.442	3392	.374	3300	.414	3390	.505
3350	1.002	3400	1.163	3448	.445	3441	.379	3400	.443	3448	.529
3400	.986	3500	1.100	3509	.437	3504	.383	3500	.470	3571	.515
3450	.982	3600	1.067	3571	.456	3567	.389	3600	.447	3636	.527
3500	.971	4200	-.196	3636	.454	3634	.387	4200	-.216	4032	-.266
3571	.963	4425	-.147	4032	-.268	4032	-.297	4425	-.167	4255	-.205
3636	.945	4600	-.106	4167	-.235	4082	-.272	4600	-.106	4566	-.141
4037	-.238	4750	-.054	4255	-.214	4167	-.238	4750	-.054	5000	0.000
4167	-.206	5000	0.000	4464	-.166	4255	-.206	5000	0.000	5556	.178
4255	-.172	5200	.051	4566	-.120	4367	-.184	5200	.081	0	0.000
4464	-.148	5400	.095	4785	-.075	4464	-.168	5400	.125	0	0.000
4566	-.109	5600	.136	5000	0.000	4566	-.122	5600	.156	0	0.000
4786	-.069	5800	.172	5263	.065	4673	-.098	5800	.242	0	0.000
5000	0.000	6000	.121	5556	.097	5000	0.000	6000	.191	0	0.000
5263	.057	0	0.000	0	0.000	5127	.028	0	0.000	0	0.000
5556	.128	0	0.000	0	0.000	5261	.059	0	0.000	0	0.000
5840	.169	0	0.000	0	0.000	5556	.116	0	0.000	0	0.000
6056	.220	0	0.000	0	0.000	5868	.184	0	0.000	0	0.000
6440	.296	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6800	.370	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.403	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7500	.495	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7782	.532	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8091	.565	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8375	.567	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8711	.601	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9833	.665	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10256	.743	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10406	.786	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10616	.847	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10799	.852	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10881	.819	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2--Continued

26 ARI		SIGMA CET		FEIGE 25		DELTA CET		DELTA CET		DELTA CET	
B-V	HR 729	HR 740	HR 740	HR 779	HR 779	HR 779	HR 779	HR 779	HR 779	HR 779	HR 779
SP	A4N	F5V	B6V	R21V	R21V	R21V	R21V	R21V	R21V	R21V	R21V
BW	50	60	50	50/100	50/100	50	50	50	50	50	60
OBS	BRK	MOR	SS	SPD	SPD	WAT	WAT	WAT	WAT	WAT	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3310	1.466	3300	1.464	3390	.635	3300	-.226	3390	-.208	3300	-.276
3390	1.447	3400	1.423	3448	.609	3390	-.174	3448	-.195	3400	-.227
3448	1.419	3500	1.330	3571	.635	3448	-.177	3509	-.163	3500	-.170
3510	1.392	3600	1.327	3636	.627	3509	-.147	3571	-.134	3600	-.143
3570	1.341	4200	.244	4032	-.126	3570	-.112	3636	-.116	4200	-.316
3636	1.298	4425	.123	4255	-.135	3636	-.125	4032	-.332	4425	-.227
4032	.092	4600	.054	4566	-.071	4036	-.319	4167	-.315	4600	-.146
4165	.089	4750	.016	5000	0.000	4167	-.278	4255	-.284	4750	-.104
4255	.040	5000	0.000	5556	.108	4255	-.266	4464	-.206	5000	0.000
4465	.009	5200	-.019	0	0.000	4464	-.186	4566	-.180	5200	.041
4565	.014	5400	-.085	0	0.000	4566	-.177	4785	-.095	5400	.115
4780	-.012	5600	-.114	0	0.000	4780	-.091	5000	0.000	5600	.196
5100	-.007	5800	-.168	0	0.000	5000	0.000	5263	.065	5800	.252
5556	.001	6000	-.149	0	0.000	5264	.086	5400	.110	6000	.311
5850	.014	0	0.000	0	0.000	5556	.172	5556	.167	0	0.000
6364	.075	0	0.000	0	0.000	5840	.273	5840	.239	0	0.000
0	0.000	0	0.000	0	0.000	6050	.350	6055	.303	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6370	.400	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.522	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.584	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	.656	0	0.000

35 ARI		35 ARI		35 ARI		GAMMA CET		EPSILON HYI			
B-V	HR 789	HR 801	HR 801	HR 801	HR 801	HR 804	HR 806	HR 806	HR 806		
SP	A2V	B3V	B3V	B3V	B3V	A2V	B9III	B9III	B9III		
BW	60	50/100	50/100	50/100	60	60	60	60	60		
OBS	MOR	KO	AD	AD	MOR	MOR	MOR	MOR	MOR		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.		
3300	1.284	3297	.180	3571	.292	3300	.191	3300	1.484	3300	.854
3400	1.263	3390	.205	3636	.295	3400	.268	3400	1.403	3400	.933
3500	1.220	3448	.209	4167	-.222	3500	.251	3500	1.350	3500	.900
3600	1.197	3509	.217	4255	-.208	3600	.249	3600	1.287	3600	.867
4200	-.126	3571	.225	4464	-.136	4200	-.241	4200	-.076	4200	-.226
4425	-.117	3636	.237	4785	-.073	4425	-.194	4425	-.077	4425	-.177
4600	-.106	4032	-.236	5264	.073	4600	-.122	4600	-.046	4600	-.126
4750	-.054	4167	-.245	5840	.234	4750	-.071	4750	-.034	4750	-.054
5000	0.000	4255	-.205	0	0.000	5000	0.000	5000	0.000	5000	0.000
5200	.031	4464	-.135	0	0.000	5200	.048	5200	.021	5200	.021
5400	.045	4566	-.141	0	0.000	5400	.072	5400	.055	5400	.075
5600	.106	4780	-.101	0	0.000	5600	.155	5600	.036	5600	.116
5800	.122	5000	0.000	0	0.000	5800	.156	5800	.072	5800	.192
6000	.131	5255	.061	0	0.000	6000	.196	6000	.061	6000	.191
0	0.000	5556	.128	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	5840	.210	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6055	.259	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6370	.330	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.412	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.465	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.555	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.538	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

PI CET HR 811		PI CET HR 811		PI CET HR 811		PI CET HR 811		MU CET HR 813		41 ARI HR 838	
B-V	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	-0.14	0.31	0.31	-0.10	-0.10
SP	87V	87V	87V	87V	87V	87V	87V	F01V	F01V	88V	88V
BW	50	50	30/60	30/60	60	60	60	50	50	50	50
OBS	NOR	WKH	WOL	WOL	MOR	MOR	MOR	BRK	BRK	WKH	WKH
LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.482	3300	.507	4032	-.276	3300	.484	3310	1.442	3300	.616
3448	.475	3400	.485	4255	-.215	3400	.513	3390	1.443	3350	.614
3509	.477	3450	.487	4464	-.155	3500	.530	3448	1.405	3400	.613
3571	.486	3500	.506	4566	-.131	3600	.517	3510	1.358	3450	.629
3636	.494	3570	.482	4780	-0.071	4200	-.236	3570	1.326	3500	.605
4032	-.272	3636	.475	5000	0.000	4425	-.197	3636	1.275	3550	.614
4167	-.225	4032	-.248	5260	.052	4600	-.126	4032	.143	3570	.604
4255	-.224	4167	-.257	5550	.108	4750	-.084	4165	.135	3636	.618
4464	-.156	4255	-.209	5800	.177	5000	0.000	4255	.107	4032	-.248
4566	-.130	4466	-.145	6060	.239	5200	.051	4465	.044	4167	-.213
4785	-.065	4566	-.124	6370	.320	5400	.095	4565	.030	4255	-.180
5000	0.000	4780	-.079	6800	.392	5600	.116	4785	-.014	4466	-.141
5263	.055	5000	0.000	7110	.445	5800	.182	5100	-.011	4566	-.112
5556	.117	5263	.040	7530	.545	6000	.221	5556	-.022	4780	-.067
0	0.000	5556	.110	7850	.588	0	0.000	5840	-.050	5000	0.000
0	0.000	5840	.161	8080	.621	0	0.000	6364	-.029	5263	.041
0	0.000	6056	.216	8400	.643	0	0.000	6764	.003	5556	.097
0	0.000	6370	.288	8800	.676	0	0.000	7100	-.015	5840	.165
0	0.000	6800	.379	0	0.000	0	0.000	0	0.000	6056	.236
0	0.000	7100	.428	0	0.000	0	0.000	0	0.000	6364	.321
0	0.000	7530	.513	0	0.000	0	0.000	0	0.000	6800	.405
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.452

41 ARI HR 838		16 PER HR 840		HD 17925 HR 857		FFIGF 28		21 PER HR 873		21 PER HR 873	
B-V	-0.10	0.34	0.34	0.87	0.13	0.13	0.13	-0.01	-0.01	-0.01	-0.01
SP	88V	F2III	F2III	DK0	A2V	A2V	A2V	A SI	A SI	AS1	AS1
BW	50/100	50/100	50/100	50	50	50	50	30/60	30/60	50/100	50/100
OBS	AD	AD	AD	WHI	SS	SS	SS	WOL	WOL	AD	AD
LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.
3571	.656	3571	1.446	4955	.023	3390	1.385	4032	-.166	3571	.841
3636	.659	3636	1.373	5311	-.159	3448	1.439	4255	-.135	3636	.821
4167	-.233	4167	.177	5556	-.275	3571	1.425	4464	-.145	4167	-.126
4200	-.224	4255	.130	5747	-.350	3636	1.237	4566	-.111	4255	-.115
4255	-.222	4464	.068	6053	-.465	4032	-.116	4780	-.091	4464	-.130
4464	-.162	4785	-.011	6431	-.513	4255	-.095	5000	0.000	4785	-.070
4785	-.064	5264	-.020	6821	-.600	4566	-.071	5260	.062	5264	.070
5000	0.000	0	0.000	7102	-.628	5000	0.000	5550	.088	5840	.152
5264	.064	0	0.000	7530	-.678	5556	.068	5800	.147	0	0.000
5556	.121	0	0.000	7819	-.714	0	0.000	6060	.189	0	0.000
0	0.000	0	0.000	8065	-.752	0	0.000	6370	.260	0	0.000
0	0.000	0	0.000	8598	-.809	0	0.000	6800	.312	0	0.000
0	0.000	0	0.000	8850	-.816	0	0.000	7110	.365	0	0.000
0	0.000	0	0.000	9950	-.821	0	0.000	7530	.465	0	0.000
0	0.000	0	0.000	10246	-.834	0	0.000	7850	.508	0	0.000
0	0.000	0	0.000	10526	-.856	0	0.000	8080	.541	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8400	.553	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8800	.576	0	0.000

TABLE 2—Continued

HD 18331 HR 875		HR 916		TAU3 ERI HR 919		53 ARI HR 938		56 ARI HR 954		56 ARI HR 954	
B-V	0.08				0.16				-0.09		-0.09
SP	A3VN		F0V		A5V		B2V		AP		AP
BW	50		50		60		50		50/100		30/60
OBS	WKH		BRK		MOR		WAT		AD		WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.380	3310	1.362	3300	1.394	3390	-.028	3571	.531	5260	.041
3400	1.337	3390	1.363	3400	1.373	3448	-.025	3636	.535	5550	.086
3450	1.310	3448	1.305	3500	1.340	3509	-.003	4200	-.195	5800	.156
3500	1.292	3510	1.278	3600	1.287	3571	.016	4464	-.146	6060	.197
3570	1.286	3570	1.237	4200	-.056	3636	.024	5000	0.000	6370	.279
3636	1.243	3636	1.175	4425	-.077	4032	-.232	5556	.128	6800	.340
4032	-.124	4032	.143	4600	-.076	4167	-.235	0	0.000	7110	.393
4167	-.102	4165	.126	4750	-.044	4255	-.194	0	0.000	7530	.494
4255	-.093	4255	.097	5000	0.000	4464	-.136	0	0.000	7850	.536
4466	-.091	4465	.035	5200	.011	4566	-.120	0	0.000	8080	.569
4566	-.071	4565	.021	5400	.025	4785	-.065	0	0.000	8400	.591
4780	-.054	4785	-.014	5600	.016	5000	0.000	0	0.000	8800	.645
5000	0.000	5100	-.001	5800	.052	5263	.055	0	0.000	0	0.000
5263	.003	5556	-.022	6000	.081	5400	.080	0	0.000	0	0.000
5556	.034	5840	-.040	0	0.000	5556	.117	0	0.000	0	0.000
5840	.069	6364	-.019	0	0.000	5840	.169	0	0.000	0	0.000
6056	.109	6764	.003	0	0.000	6055	.213	0	0.000	0	0.000
6370	.153	7100	-.015	0	0.000	6370	.280	0	0.000	0	0.000
6800	.192	0	0.000	0	0.000	6800	.342	0	0.000	0	0.000
7100	.220	0	0.000	0	0.000	7100	.404	0	0.000	0	0.000
7530	.251	0	0.000	0	0.000	7530	.446	0	0.000	0	0.000

58 ARI HR 972		EPSILON ERI HR 984		29 PER HR 987		HY1 HD 20430		HY2 HD 20439		KAPPA CET HR 996	
B-V	-0.02		0.23		-0.06		0.57		0.62		0.68
SP	A1V		AM		B3V		F8		G0		G5V
BW	50		30		25/50		50		50		50
OBS	WKH		FSW		K0		OC		OC		WHI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.232	3500	1.917	3297	.340	3390	1.455	3390	1.565	4955	.014
3400	1.204	3571	2.197	3390	.335	3448	1.529	3448	1.559	5311	-.088
3450	1.179	3636	1.640	3448	.329	3509	1.407	3509	1.507	5556	-.174
3500	1.164	4037	.943	3509	.327	3571	1.415	3571	1.485	5747	-.239
3570	1.156	4168	.759	3571	.325	3636	1.277	3636	1.337	6053	-.294
3636	1.150	4255	.756	3636	.327	4032	.484	4032	.534	6431	-.342
4032	-.221	4464	.262	4032	-.176	4167	.395	4167	.455	6821	-.409
4167	-.184	4566	.076	4167	-.185	4255	.355	4255	.425	7102	-.427
4255	-.171	4787	-.050	4255	-.175	4464	.175	4464	.185	7530	-.437
4466	-.142	5000	0.000	4464	-.095	4566	.069	4566	.109	7819	-.453
4566	-.104	5263	-.084	4566	-.111	4785	-.010	4785	.010	8065	-.490
4780	-.064	5559	-.274	4780	-.041	5000	0.000	5000	0.000	8598	-.518
5000	0.000	5841	-.459	5000	0.000	5263	-.077	5263	-.057	8850	-.515
5263	.052	6057	-.513	5255	.021	5556	-.192	5556	-.192	9950	-.500
5556	.106	6439	-.604	5556	.068	5882	-.216	5882	-.246	10246	-.493
5840	.173	6793	-.746	5840	.130	6055	-.261	6055	-.281	10526	-.505
6056	.219	0	0.000	6055	.179	6370	-.300	6370	-.310	0	0.000
6370	.281	0	0.000	6370	.230	6800	-.338	6800	-.388	0	0.000
6800	.350	0	0.000	6800	.282	7100	-.345	7100	-.395	0	0.000
7100	.416	0	0.000	7100	.335	7530	-.355	7530	-.415	0	0.000
7530	.459	0	0.000	7530	.425	7850	-.392	7850	-.422	0	0.000
0	0.000	0	0.000	7850	.418	8080	-.399	8080	-.409	0	0.000
0	0.000	0	0.000	0	0.000	8400	-.437	8400	-.457	0	0.000
0	0.000	0	0.000	0	0.000	8805	-.364	8805	-.364	0	0.000
0	0.000	0	0.000	0	0.000	9700	-.383	9700	-.413	0	0.000
0	0.000	0	0.000	0	0.000	9950	-.408	9950	-.428	0	0.000
0	0.000	0	0.000	0	0.000	10250	-.411	10250	-.421	0	0.000
0	0.000	0	0.000	0	0.000	10400	-.436	10400	-.436	0	0.000
0	0.000	0	0.000	0	0.000	10800	-.428	10800	-.408	0	0.000

TABLE 2—Continued

ALPHA PER		HD 21197		HR 1034		XI TAU		KAPPA RET		EPSILON ERI	
B-V	HR 1017						HR 1038		HR 1083		HR 1084
0.48				-0.10			-0.08		0.39		0.89
SP	F5I8		K4	R3V			B8P		F5V		K2V
BW	50		50	25/50			60		60		50
OBS	BA		WHI	KO			MOR		MOR		WHI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3294	2.224	4955	.035	3297	.310	3300	.554	3300	1.344	4955	.022
3396	2.134	5311	-.246	3390	.305	3400	.583	3400	1.333	5311	-.140
3492	2.032	5556	-.432	3448	.319	3500	.590	3500	1.250	5556	-.276
3594	1.923	5747	-.618	3509	.317	3600	.587	3600	1.207	5747	-.371
4026	.373	6053	-.752	3571	.325	4200	-.236	4200	.194	6053	-.456
4172	.323	6431	-.820	3636	.327	4425	-.197	4425	.083	6431	-.534
4418	.194	6821	-.948	4032	-.726	4600	-.126	4600	.034	6821	-.631
4544	.130	7102	-1.025	4167	-.225	4750	-.084	4750	-.004	7102	-.669
4724	.009	7530	-1.115	4255	-.195	5000	0.000	5000	0.000	7530	-.709
4954	-.022	7819	-1.161	4464	-.135	5200	.041	5200	-.009	7819	-.745
5120	-.022	8065	-1.199	4566	-.131	5400	.065	5400	-.035	8065	-.782
5368	-.090	8598	-1.266	4780	-.101	5600	.116	5600	-.064	8598	-.820
5672	-.135	8850	-1.283	5000	0.000	5800	.142	5800	-.078	8850	-.847
6014	-.181	9950	-1.369	5255	.031	6000	.241	6000	-.169	9950	-.862
6404	-.206	10246	-1.381	5556	.088	0	0.000	0	0.000	10246	-.865
0	0.000	10526	-1.413	5840	.150	0	0.000	0	0.000	10526	-.877
0	0.000	0	0.000	6055	.209	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6370	.260	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6800	.322	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.385	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7530	.485	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7850	.538	0	0.000	0	0.000	0	0.000

TAU5 ERI		DELTA PER		DELTA PER		29 TAU		23 TAU		30 TAU	
B-V	HR 1088	HR 1122		HR 1122		HR 1153		HR 1156		HR 1174	
-0.10		-0.12		-0.12		-0.12		-0.06			
SP	B8V	B5III		B5III		B3V		B6IVNN		B3V	
BW	60	50		50/100		25/50		30/60		25/50	
OBS	MOR	BA		SP0		K0		A0		K0	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.464	3294	.392	3300	.394	3297	.220	3300	.594	3297	.180
3400	.543	3396	.412	3390	.416	3390	.215	3390	.601	3390	.205
3500	.540	3492	.421	3448	.423	3448	.219	3448	.601	3448	.219
3600	.517	3594	.427	3509	.413	3509	.227	3509	.601	3509	.227
4200	-.316	4026	-.237	3570	.418	3571	.245	3571	.594	3571	.235
4425	-.257	4172	-.211	3636	.415	3636	.247	3636	.570	3636	.247
4600	-.196	4418	-.160	4032	-.259	4032	-.186	4032	-.190	4032	-.286
4750	-.124	4544	-.129	4167	-.278	4167	-.215	4167	-.160	4167	-.235
5000	0.000	4724	-.067	4255	-.206	4255	-.185	4255	-.166	4255	-.215
5200	.021	4954	-.012	4464	-.156	4464	-.155	4464	-.133	4464	-.135
5400	.035	5120	.043	4566	-.137	4566	-.111	4566	-.106	4566	-.141
5600	.106	5368	.089	4780	-.061	4780	-.081	4785	-.059	4780	-.081
5800	.172	5672	.164	5000	0.000	5000	0.000	5000	0.000	5000	0.000
6000	.271	6014	.260	5255	.066	5255	.041	5264	.032	5255	.051
0	0.000	6404	.326	5556	.152	5556	.108	5556	.071	5556	.118
0	0.000	0	0.000	5840	.203	5840	.160	5840	.106	5840	.200
0	0.000	0	0.000	6050	.250	6055	.209	6056	.177	6055	.259
0	0.000	0	0.000	0	0.000	6370	.280	6370	.216	6370	.320
0	0.000	0	0.000	0	0.000	6800	.332	6800	.260	6800	.402
0	0.000	0	0.000	0	0.000	7100	.375	7100	.327	7100	.455
0	0.000	0	0.000	0	0.000	7530	.455	0	0.000	7530	.545
0	0.000	0	0.000	0	0.000	7850	.518	0	0.000	7850	.568

TABLE 2—Continued

HR 1197		ZETA PER HR 1203		ZETA PER HR 1203		ZETA PER HR 1203		EPSILON PER HR 1220		EPSILON PER HR 1220	
B-V	A3	0.12	0.12	0.12	0.12	0.12	0.12	-0.18	-0.18	0.5V	0.5V
SP	A3	011B	011B	011B	011B	011B	011B	R0.5V	R0.5V	50/100	50/100
BW	25/50	50/100	50/100	50	50	50	50	50	50	50/100	50/100
OBS	AD	SPO	SPO	RA	RA	KHA	KHA	BA	BA	SPO	SPO
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3200	1.752	3300	.184	3294	.171	3300	.179	3294	-.356	3300	-.316
3300	1.506	3390	.196	3396	.185	3400	.154	3396	-.296	3390	-.284
3390	1.489	3448	.183	3492	.162	3500	.149	3492	-.258	3448	-.267
3448	1.416	3519	.173	3594	.173	3600	.149	3594	-.225	3509	-.257
3509	1.428	3570	.168	4026	-.020	3700	.091	4026	-.285	3570	-.232
3571	1.367	3636	.145	4172	-.015	4036	-.042	4172	-.243	3636	-.225
3636	1.320	4036	-.029	4418	-.011	4221	-.009	4418	-.184	4036	-.309
4032	-.015	4167	-.018	4544	-.005	4500	-.020	4544	-.138	4167	-.248
4167	-.007	4255	-.026	4724	-.001	4600	-.009	4724	-.075	4255	-.236
4255	-.034	4464	-.016	4954	.009	4700	-.006	4954	-.010	4464	-.176
4464	-.059	4566	-.017	5120	.001	4861	-.004	5120	.042	4566	-.137
4566	-.051	4780	-.001	5368	.002	5000	0.000	5368	.104	4780	-.091
4785	-.030	5000	0.000	5672	.030	5150	-.013	5672	.189	5000	0.000
5000	0.000	5264	.006	6014	.059	5300	-.018	6014	.292	5264	.076
5264	.011	5556	.012	6404	.090	5500	-.017	6404	.363	5556	.142
5556	-.005	5840	.053	0	0.000	5700	.016	0	0.000	5840	.243
5840	-.012	6050	.070	0	0.000	5850	.034	0	0.000	6050	.280
6056	.025	0	0.000	0	0.000	6000	.054	0	0.000	0	0.000
6370	.604	0	0.000	0	0.000	6200	.058	0	0.000	0	0.000
6800	.041	0	0.000	0	0.000	6400	.058	0	0.000	0	0.000
7100	.069	0	0.000	0	0.000	6500	.053	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6600	.034	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6700	.022	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.027	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7000	.030	0	0.000	0	0.000

HD 24916		TAU 9 ERI HR 1240		HD 25329		NU TAU HR 1251		40 TAU HR 1253		41 TAU HP 1268	
B-V	K4	-0.14	-0.14	K3	K3	0.02	0.02	-0.08	-0.08	-0.14	-0.14
SP	A0IIISI	A0IIISI	A0IIISI	K3	K3	A1V	A1V	B3V	B3V	A SI	A SI
BW	50	50	50	50	50	60	60	25/50	25/50	25/50	25/50
OBS	WHI	MYL	MYL	WHI	WHI	MOR	MOR	KO	KO	AD	AD
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.033	3390	.535	4955	.020	3300	1.304	3297	.170	3200	.491
5311	-.208	3448	.529	5311	-.141	3400	1.303	3390	.195	3300	.380
5556	-.425	3509	.517	5556	-.247	3500	1.250	3448	.239	3390	.400
5747	-.590	3570	.515	5747	-.323	3600	1.207	3509	.247	3448	.377
6053	-.714	3636	.507	6053	-.407	4200	-.196	3571	.255	3509	.409
6431	-.822	4036	-.267	6431	-.515	4425	-.147	3636	.257	3571	.386
6821	-.920	4167	-.245	6821	-.623	4600	-.116	4032	-.196	3636	.379
7102	-.987	4255	-.235	7102	-.650	4750	-.074	4167	-.215	4032	-.299
7530	-1.078	4464	-.175	7530	-.730	5000	0.000	4255	-.195	4167	-.241
7819	-1.144	4566	-.131	7819	-.756	5200	.071	4464	-.125	4255	-.214
8065	-1.191	4780	-.111	8065	-.804	5400	.065	4566	-.121	4464	-.198
8598	-1.278	5000	0.000	8598	-.861	5600	.066	4780	-.061	4566	-.148
8850	-1.296	5264	.083	8850	-.879	5800	.132	5000	0.000	4785	-.078
9950	-1.371	5556	.148	9950	-.924	6000	.101	5255	.031	5000	0.000
10246	-1.383	5840	.240	10246	-.946	0	0.000	5556	.088	5264	.086
10526	-1.396	0	0.000	10526	-.959	0	0.000	5840	.160	5556	.122
0	0.000	0	0.000	0	0.000	0	0.000	6055	.209	5740	.174
0	0.000	0	0.000	0	0.000	0	0.000	6370	.260	6056	.232
0	0.000	0	0.000	0	0.000	0	0.000	6800	.322	6370	.314
0	0.000	0	0.000	0	0.000	0	0.000	7100	.365	6800	.369
0	0.000	0	0.000	0	0.000	0	0.000	7530	.445	7100	.429
0	0.000	0	0.000	0	0.000	0	0.000	7850	.438	0	0.000

TABLE 2—Continued

41 TAU		48 PER		44 TAU		45 TAU		HY19			
HR 1268		HR 1273		HR 1287		HR 1292		HD 26784			
B-V	-0.14	B-V	-0.03	B-V	0.34	B-V	0.36	B-V	0.51		
SP	A 9I	SP	B3VP	SP	DF3	SP	DF3	SP	F5		
RW	30/60	RW	25/50	RW	50	RW	50	RW	50		
OBS	WOL	OBS	KO	OBS	DAD	OBS	DAD	OBS	OC		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.		
4032	-.296	3297	.390	3390	1.470	6050	-.037	3390	1.435	3390	1.365
4255	-.215	3390	.385	3448	1.419	6800	-.064	3448	1.379	3448	1.369
4464	-.185	3448	.379	3509	1.392	7550	-.040	3509	1.347	3509	1.297
4566	-.141	3509	.367	3571	1.350	8080	-.055	3571	1.305	3571	1.285
4780	-.081	3571	.355	3636	1.272	8696	-.030	3636	1.267	3636	1.177
5000	0.000	3636	.357	4032	.163	9804	-.017	4032	.234	4032	.384
5260	.072	4032	-.146	4167	.150	10204	.002	4167	.205	4167	.325
5550	.118	4167	-.155	4255	.100	10638	.053	4255	.155	4255	.285
5800	.187	4255	-.145	4464	.040	10752	.086	4464	.075	4464	.135
6060	.229	4464	-.085	4566	.019	0	0.000	4566	.049	4566	.069
6370	.320	4566	-.101	4780	-.025	0	0.000	4785	-.010	4785	-.010
6800	.392	4780	-.041	5000	0.000	0	0.000	5000	0.000	5000	0.000
7110	.435	5000	0.000	5264	-.012	0	0.000	5263	-.027	5263	-.067
7530	.545	5255	.031	5556	-.082	0	0.000	5556	-.092	5556	-.162
7850	.588	5556	.078	5848	-.059	0	0.000	5882	-.106	5882	-.206
8080	.611	5840	.140	0	0.000	0	0.000	6055	-.091	6055	-.221
8400	.643	6055	.179	0	0.000	0	0.000	6370	-.090	6370	-.250
8800	.696	6370	.210	0	0.000	0	0.000	6800	-.128	6800	-.298
0	0.000	6800	.252	0	0.000	0	0.000	7100	-.115	7100	-.305
0	0.000	7100	.295	0	0.000	0	0.000	7530	-.095	7530	-.295
0	0.000	7530	.335	0	0.000	0	0.000	7850	-.092	7850	-.312
0	0.000	7850	.378	0	0.000	0	0.000	8080	-.099	8080	-.329
0	0.000	0	0.000	0	0.000	0	0.000	8400	-.127	8400	-.357
0	0.000	0	0.000	0	0.000	0	0.000	8805	-.054	8805	-.274
0	0.000	0	0.000	0	0.000	0	0.000	9700	-.053	9700	-.293
0	0.000	0	0.000	0	0.000	0	0.000	9950	-.068	9950	-.298
0	0.000	0	0.000	0	0.000	0	0.000	10250	-.051	10250	-.311
0	0.000	0	0.000	0	0.000	0	0.000	10400	-.046	10400	-.306
0	0.000	0	0.000	0	0.000	0	0.000	10800	-.008	10800	-.288

MU TAU		MU TAU		HY27		HY35		HY50		53 TAU	
HR 1320		HR 1320		HD 272A2		HD 27524		HD 27836		HR 1339	
B-V	-0.05	B-V	-0.05	B-V	0.72	B-V	0.44	B-V	0.60	B-V	-0.05
SP	A 9I	SP	B3V	SP	R3V	SP	GAV	SP	F5V	SP	AP
RW	60	RW	25/50	RW	50	RW	50	RW	50	RW	30/60
OBS	MOP	OBS	KO	OBS	OC	OBS	OC	OBS	OC	OBS	WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.264	3297	.320	3390	1.765	3390	1.265	3390	1.495	4032	-.256
3400	.363	3390	.335	3448	1.779	3448	1.249	3448	1.479	4255	-.185
3500	.350	3448	.339	3509	1.667	3509	1.207	3509	1.437	4464	-.155
3600	.397	3509	.347	3571	1.715	3571	1.175	3571	1.415	4566	-.121
4200	-.196	3571	.345	3636	1.467	3636	1.107	3636	1.287	4780	-.061
4425	-.167	3636	.347	4032	.664	4032	.274	4032	.544	5000	0.000
4600	-.126	4032	-.206	4167	.565	4167	.235	4167	.455	5260	.052
4750	-.104	4167	-.185	4255	.535	4255	.195	4255	.425	5550	.108
5000	0.000	4255	-.175	4464	.195	4464	.095	4464	.195	5800	.167
5200	.051	4464	-.115	4566	.089	4566	.029	4566	.119	6060	.219
5400	.065	4566	-.121	4785	-.010	4785	-.010	4785	.010	6370	.280
5600	.116	4780	-.061	5000	0.000	5000	0.000	5000	0.000	6800	.352
5800	.242	5000	0.000	5263	-.107	5263	-.057	5263	-.057	7110	.405
6000	.221	5255	.021	5556	-.232	5556	-.122	5556	-.182	7530	.505
0	0.000	5556	.068	5882	-.306	5882	-.156	5882	-.216	7850	.548
0	0.000	5840	.130	6055	-.361	6055	-.171	6055	-.261	8080	.571
0	0.000	6055	.179	6370	-.400	6370	-.190	6370	-.300	8400	.603
0	0.000	6370	.230	6800	-.478	6800	-.218	6800	-.368	8800	.636
0	0.000	6800	.292	7100	-.495	7100	-.215	7100	-.395	0	0.000
0	0.000	7100	.345	7530	-.495	7530	-.205	7530	-.405	0	0.000
0	0.000	7530	.445	7850	-.512	7850	-.202	7850	-.442	0	0.000
0	0.000	7850	.448	8080	-.539	8080	-.219	8080	-.439	0	0.000
0	0.000	0	0.000	8400	-.597	8400	-.247	8400	-.487	0	0.000
0	0.000	0	0.000	8805	-.504	8805	-.154	8805	-.404	0	0.000
0	0.000	0	0.000	9700	-.583	9700	-.153	9700	-.453	0	0.000
0	0.000	0	0.000	9950	-.588	9950	-.208	9950	-.488	0	0.000
0	0.000	0	0.000	10250	-.591	10250	-.181	10250	-.451	0	0.000
0	0.000	0	0.000	10400	-.636	10400	-.186	10400	-.476	0	0.000
0	0.000	0	0.000	10800	-.618	10800	-.178	10800	-.458	0	0.000

TABLE 2—Continued

53 TAU		56 TAU		GAMMA TAU		41 ERI		41 ERI		57 TAU	
HR 1339		HR 1341		HR 1346		HR 1347		HR 1347		HR 1351	
B-V	-0.05		-0.14		0.99		-0.12		-0.12		0.28
SP	AP		A SI		K0III		B8.5V		B8.5V		F0V
BW	10		30/60		50		60		9		50
OBS	JUS		WOL		OC		MOR		AFN		OC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.765	4032	-.296	3390	-3.955	3300	.524	3392	.562	3390	1.345
3448	.729	4255	-.215	3448	-3.951	3400	.523	3441	.555	3448	1.329
3509	.707	4464	-.195	3509	-3.953	3500	.550	3504	.545	3509	1.317
3571	.715	4566	-.141	3571	-3.945	3600	.547	3567	.538	3571	1.245
3636	.687	4780	-.091	3636	-3.943	4200	-.236	3634	.523	3636	1.217
4032	-.276	5000	0.000	4032	.994	4425	-.197	4032	-.298	4032	.094
4082	-.266	5260	.092	4167	1.065	4600	-.126	4082	-.275	4167	.085
4167	-.235	5550	.118	4255	.755	4750	-.104	4167	-.245	4255	.055
4255	-.215	5800	.177	4464	.335	5000	0.000	4255	-.215	4464	-.005
4367	-.185	6060	.229	4566	.229	5200	.051	4367	-.191	4566	-.001
4464	-.165	6370	.320	4785	.010	5400	.075	4464	-.175	4785	-.040
4566	-.131	6800	.392	5000	0.000	5600	.116	4566	-.128	5000	0.000
4673	-.116	7110	.445	5263	-.137	5800	.172	4673	-.104	5263	-.007
4780	-.071	7530	.545	5556	-.322	6000	.191	5000	0.000	5556	-.032
4902	-.019	7850	.588	5882	-.436	0	0.000	5127	.030	5882	-.026
5000	0.000	8080	.621	6055	-.541	0	0.000	5261	.064	6055	-.021
5128	.047	8400	.643	6370	-.590	0	0.000	5556	.130	6370	-.020
5263	.103	8800	.696	6800	-.718	0	0.000	5868	.204	6800	-.018
5556	.158	0	0.000	7100	-.735	0	0.000	0	0.000	7100	-.005
0	0.000	0	0.000	7530	-.795	0	0.000	0	0.000	7530	.025
0	0.000	0	0.000	7850	-.862	0	0.000	0	0.000	7850	.038
0	0.000	0	0.000	8080	-.839	0	0.000	0	0.000	8080	.031
0	0.000	0	0.000	8400	-.927	0	0.000	0	0.000	8400	.013
0	0.000	0	0.000	8805	-.894	0	0.000	0	0.000	8805	.076
0	0.000	0	0.000	9700	-.923	0	0.000	0	0.000	9700	.097
0	0.000	0	0.000	9950	-.998	0	0.000	0	0.000	9950	.092
0	0.000	0	0.000	10250	-1.021	0	0.000	0	0.000	10250	.109
0	0.000	0	0.000	10400	-1.036	0	0.000	0	0.000	10400	.114
0	0.000	0	0.000	10800	-1.028	0	0.000	0	0.000	10800	.152

58 TAU		HY 69		63 TAU		63 TAU		64 TAU		HY 53	
HR 1356		HR 28291		HR 1376		HR 1376		HR 1380		HR 1385	
R-V	0.22		0.75		0.30		0.30		0.15		0.37
SP	A9V		G8V		A1M		A1M		A7V		A9N
BW	50		50		50		50		50		50
OBS	OC		OC		OC		B:O		OC		OC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.425	3390	1.775	3390	1.465	3390	1.460	3390	1.445	3390	1.375
3448	1.389	3448	1.789	3448	1.449	3448	1.469	3448	1.399	3448	1.359
3509	1.357	3509	1.687	3509	1.437	3509	1.442	3509	1.367	3509	1.307
3571	1.305	3571	1.795	3571	1.355	3571	1.365	3571	1.335	3571	1.285
3636	1.257	3636	1.527	3636	1.297	3636	1.297	3636	1.287	3636	1.207
4032	.034	4032	.694	4032	.164	4032	.179	4032	-.046	4032	.234
4167	.025	4167	.615	4167	.145	4167	.160	4167	-.045	4167	.215
4255	.005	4255	.565	4255	.085	4255	.095	4255	-.055	4255	.155
4464	-.025	4464	.255	4464	.015	4464	.035	4464	-.065	4464	.075
4566	-.031	4566	.119	4566	-.011	4566	-.001	4566	-.041	4566	.029
4785	-.030	4785	.000	4785	-.040	4785	-.040	4785	-.040	4785	-.010
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5263	.023	5263	-.097	5263	-.017	5263	.008	5263	.023	5263	-.037
5556	.008	5556	-.242	5556	-.052	5556	-.032	5556	.018	5556	-.102
5882	.034	5882	-.296	5882	-.036	5882	-.025	5882	.064	5882	-.136
6055	.049	6055	-.381	6055	-.021	6055	-.006	6055	.089	6055	-.131
6370	.050	6370	-.430	6370	-.020	6370	.005	6370	.110	6370	-.140
6800	.072	6800	-.488	6800	-.028	6800	.017	6800	.132	6800	-.168
7100	.095	7100	-.505	7100	-.015	7100	.040	7100	.155	7100	-.155
7530	.135	7530	-.535	7530	.025	7530	.085	7530	.215	7530	-.145
7850	.148	7850	-.562	7850	.028	7850	.113	7850	.238	7850	-.152
8080	.151	8080	-.569	8080	.031	8080	.126	8080	.241	8080	-.149
8400	.163	8400	-.627	8400	.013	8400	.128	8400	.233	8400	-.177
8805	.196	8805	-.544	8805	.076	8805	.136	8805	.266	8805	-.104
9700	.227	9700	-.633	9700	.107	9700	.202	9700	.307	9700	-.093
9950	.222	9950	-.668	9950	.072	9950	.192	9950	.302	9950	-.118
10250	.239	10250	-.641	10250	.119	10250	.239	10250	.339	10250	-.121
10400	.244	10400	-.666	10400	.114	10400	.234	10400	.344	10400	-.126
10800	.282	10800	-.638	10800	.152	10800	.287	10800	.372	10800	-.088

TABLE 2—Continued

KAPPA TAU		68 TAU		HY 79		76 TAU		EPSILON TAU		HY97	
HR 1387		HR 1389		BD+17 734		HR 1408		HR 1409		HD 28992	
B-V	0.13		0.04		0.83		0.32		1.01		0.63
SP	A7IV-V		A2IV		K0V		F0V		K1III		G1V
Bw	50		50		50		50		50		50
OBS	OC		BA0		OC		OC		OC		OC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.475	3390	1.355	3390	1.915	3390	1.365	3390	2.555	3390	1.525
3448	1.429	3448	1.309	3448	2.099	3448	1.339	3448	2.659	3448	1.509
3509	1.397	3509	1.277	3509	1.827	3509	1.307	3509	2.437	3509	1.467
3571	1.355	3571	1.235	3571	2.115	3571	1.245	3571	2.805	3571	1.455
3636	1.307	3636	1.187	3636	1.687	3636	1.197	3636	2.097	3636	1.297
4032	-0.066	4032	-0.116	4032	.784	4032	.144	4032	1.024	4032	.514
4167	-0.065	4167	-0.105	4167	.695	4167	.115	4167	1.135	4167	.455
4255	-0.065	4255	-0.115	4255	.655	4255	.085	4255	.775	4255	.425
4464	-0.075	4464	-0.105	4464	.295	4464	.035	4464	.395	4464	.175
4566	-0.071	4566	-0.081	4566	.099	4566	-0.01	4566	.229	4566	.089
4785	-0.050	4785	-0.060	4785	-0.010	4785	-0.030	4785	.030	4785	-0.020
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5263	.033	5263	.043	5263	-0.107	5263	-0.007	5263	-0.097	5263	-0.077
5556	.028	5556	.068	5556	-0.292	5556	-0.072	5556	-0.332	5556	-0.192
5882	.084	5882	.140	5882	-0.366	5882	-0.076	5882	-0.436	5882	-0.236
6055	.099	6055	.169	6055	-0.451	6055	-0.071	6055	-0.531	6055	-0.271
6370	.140	6370	.210	6370	-0.500	6370	-0.070	6370	-0.580	6370	-0.310
6800	.162	6800	.252	6800	-0.598	6800	-0.098	6800	-0.718	6800	-0.378
7100	.195	7100	.285	7100	-0.615	7100	-0.085	7100	-0.745	7100	-0.375
7530	.245	7530	.355	7530	-0.645	7530	-0.065	7530	-0.805	7530	-0.375
7850	.268	7850	.388	7850	-0.672	7850	-0.072	7850	-0.882	7850	-0.402
8080	.291	8080	.401	8080	-0.689	8080	-0.069	8080	-0.849	8080	-0.409
8400	.283	8400	.413	8400	-0.757	8400	-0.097	8400	-0.927	8400	-0.457
8805	.306	8805	.436	8805	-0.664	8805	-0.024	8805	-0.904	8805	-0.354
9700	.337	9700	.487	9700	-0.733	9700	-0.003	9700	-0.923	9700	-0.413
9950	.342	9950	.482	9950	-0.788	9950	-0.018	9950	-1.018	9950	-0.418
10250	.369	10250	.519	10250	-0.811	10250	-0.011	10250	-1.051	10250	-0.431
10400	.384	10400	.524	10400	-0.846	10400	-0.006	10400	-1.066	10400	-0.386
10800	.432	10800	.582	10800	-0.898	10800	.002	10800	-1.048	10800	-0.328

THETA2 TAU		THETA2 TAU		HD 28343		DELTA CAE		HD 28929		ALPHA TAU	
HR 1412		HR 1412		HD 28343		HR 1443		HR 1445		HR 1457	
B-V	0.18		0.18				-0.20		-0.05		1.53
SP	A7IVN		A7IVN		K7		B3V		AP		K5III
Bw	50/100		50		50		9		30/60		30
OBS	SPO		OC		WHI		AFN		WOL		FSW
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.474	3390	1.485	4955	.045	3392	-0.108	5260	.050	3500	3.454
3390	1.506	3448	1.439	5311	-0.277	3441	-0.086	5550	.105	3571	3.672
3448	1.483	3509	1.417	5556	-0.583	3504	-0.070	5800	.175	3636	3.234
3509	1.463	3571	1.375	5747	-0.808	3567	-0.051	6060	.226	4037	1.968
3570	1.388	3636	1.327	6053	-0.983	3634	-0.045	6370	.278	4168	1.691
3636	1.345	4032	-0.026	6431	-1.111	4032	-0.358	6800	.349	4255	1.450
4036	-0.009	4167	-0.025	6821	-1.148	4082	-0.339	7110	.392	4464	.657
4167	-0.008	4255	-0.035	7102	-1.356	4167	-0.300	7530	.482	4566	.339
4255	-0.026	4464	-0.045	7530	-1.626	4255	-0.262	7850	.535	4787	.154
4464	-0.056	4566	-0.041	7819	-1.642	4367	-0.231	8080	.548	5000	0.000
4566	-0.037	4785	-0.050	8065	-1.769	4464	-0.206	8400	.550	5263	-0.277
4780	-0.031	5000	0.000	8598	-1.817	4566	-0.158	8800	.614	5559	-0.738
5000	0.000	5263	.023	8850	-1.874	4673	-0.125	0	0.000	5841	-1.000
5264	.036	5556	.018	9950	-1.989	5000	0.000	0	0.000	6057	-1.161
5556	.042	5882	.044	10246	-2.032	5127	.040	0	0.000	6439	-1.352
5840	.053	6055	.059	10526	-2.054	5261	.068	0	0.000	6793	-1.463
6050	.070	6370	.080	0	0.000	5556	.158	0	0.000	0	0.000
0	0.000	6800	.092	0	0.000	5868	.259	0	0.000	0	0.000
0	0.000	7100	.105	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.155	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.168	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.191	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8400	.173	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8805	.206	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9700	.267	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9950	.252	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10250	.269	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10400	.274	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10800	.332	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

88 TAU		NU ERI		NU ERI		ALPHA DOR		90 TAU		HD 29697	
B-V	HR 1458	B-V	HR 1463	B-V	HR 1463	B-V	HR 1465	B-V	HR 1473	B-V	K3
0.18		-0.21		-0.21		-0.10		0.12		A6V	50
SP	A7	B2IIII		B2IIII		A3S1		A6V		OC	WHI
BW	60	50		60		60		50			
OBS	MOR	WAT		MOR		MOR		OC			
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.384	3390	-.228	3300	-.296	3300	.534	3390	1.405	4955	.030
3400	1.403	3448	-.215	3400	-.227	3400	.563	3448	1.379	5311	-.162
3500	1.360	3509	-.193	3500	-.210	3500	.560	3509	1.357	5556	-.408
3600	1.317	3571	-.164	3600	-.063	3600	.547	3571	1.325	5747	-.523
4200	-.066	3636	-.156	4200	-.306	4200	-.226	3636	1.287	6053	-.658
4425	-.077	4032	-.112	4425	-.227	4425	-.177	4032	-.086	6431	-.776
4600	-.086	4167	-.305	4600	-.146	4600	-.116	4167	-.065	6821	-.883
4750	-.064	4255	-.264	4750	-.104	4750	-.084	4255	-.075	7102	-.981
5000	0.000	4464	-.196	5000	0.000	5000	0.000	4464	-.075	7530	-1.101
5200	.011	4566	-.160	5200	.021	5200	.051	4566	-.061	7819	-1.137
5400	-.005	4785	-.095	5400	.105	5400	.085	4785	-.030	8065	-1.194
5600	.006	5000	0.000	5600	.166	5600	.106	5000	0.000	8598	-1.252
5800	.042	5263	.055	5800	.232	5800	.162	5263	.033	8850	-1.309
6000	.071	5400	.090	6000	.301	6000	.141	5556	.038	9950	-1.364
0	0.000	5556	.137	0	0.000	0	0.000	5882	.094	10246	-1.417
0	0.000	5840	.219	0	0.000	0	0.000	6055	.119	10526	-1.429
0	0.000	6055	.283	0	0.000	0	0.000	6370	.150	0	0.000
0	0.000	6370	.360	0	0.000	0	0.000	6800	.162	0	0.000
0	0.000	6800	.472	0	0.000	0	0.000	7100	.195	0	0.000
0	0.000	7100	.534	0	0.000	0	0.000	7530	.255	0	0.000
0	0.000	7530	.516	0	0.000	0	0.000	7850	.268	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	.291	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8400	.283	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8805	.316	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9700	.357	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9950	.342	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10250	.369	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10400	.374	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10800	.442	0	0.000

MU ERI		PI2 ORI		PI4 ORI		PI5 ORI		HR 1570		HR 1570	
B-V	HR 1520	B-V	HR 1544	B-V	HR 1552	B-V	HR 1567	B-V	HR 1570	B-V	HR 1570
-0.15		0.00		-0.17		-0.17		0.07		0.07	
SP	B5IV	A0V		B2IIII		B2IIII		A0P		A0P	
BW	60	60		60		60		50		60	
OBS	MOR	MOR		MOR		MOR		OKE		MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.164	3300	1.324	3300	-.176	3300	-.176	3390	1.285	3300	1.324
3400	.213	3400	1.283	3400	-.107	3400	-.127	3448	1.259	3400	1.343
3500	.220	3500	1.240	3500	-.090	3500	-.090	3509	1.257	3500	1.260
3600	.337	3600	1.297	3600	.027	3600	-.003	3571	1.235	3600	1.217
4200	-.266	4200	-.156	4200	-.266	4200	-.276	3636	1.207	4200	-.146
4425	-.207	4425	-.127	4425	-.237	4425	-.207	4032	-.136	4425	-.127
4600	-.146	4600	-.086	4600	-.116	4600	-.126	4167	-.125	4600	-.076
4750	-.094	4750	-.054	4750	-.104	4750	-.094	4255	-.115	4750	-.044
5000	0.000	5000	0.000	5000	0.000	5000	0.000	4464	-.115	5000	0.000
5200	.011	5200	.041	5200	.021	5200	.041	4566	-.081	5200	.011
5400	.085	5400	.075	5400	.075	5400	.105	4785	-.030	5400	.045
5600	.146	5600	.106	5600	.146	5600	.176	5000	0.000	5600	.066
5800	.242	5800	.162	5800	.232	5800	.242	5263	.043	5800	.042
6000	.321	6000	.221	6000	.381	6000	.351	5556	.068	6000	.041
0	0.000	0	0.000	0	0.000	0	0.000	5840	.130	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6055	.149	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6436	.201	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6790	.221	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.255	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7550	.316	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7780	.341	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8090	.351	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8370	.365	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8708	.385	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9832	.410	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10256	.469	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10610	.498	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10796	.502	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10870	.522	0	0.000

TABLE 2—Continued

ZETA AUR HR 1612		11 ORI HR 1638		HR 1639		ETA AUR HR 1641		HR 1641		BETA ERI HR 1666	
B-V	K5II+B	-0.07	A0 SI	A3	B3V	-0.18	-0.1A	B3V	43III	0.13	50
BW	30	30/60	30/60	AD	50/100	25/50	AD	50	BA	80	50
OBS	FSW	WOL									
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3571	3.908	5260	.023	3200	1.659	3300	.084	3297	.110	3294	1.493
3636	3.378	5550	.049	3300	1.437	3390	.116	3390	.125	3396	1.471
4037	2.144	5800	.088	3390	1.412	3448	.143	3448	.149	3492	1.423
4168	1.982	6060	.139	3448	1.349	3509	.143	3509	.147	3594	1.382
4255	1.632	6370	.211	3509	1.350	3570	.148	3571	.155	4026	-.053
4444	.871	6800	.273	3571	1.300	3636	.155	3636	.167	4172	-.048
4566	.569	7110	.326	3636	1.261	4036	-.299	4032	-.286	4418	-.059
4787	.183	7530	.406	4032	-.023	4167	-.258	4167	-.295	4544	-.043
5000	0.000	7850	.449	4167	-.014	4255	-.256	4255	-.275	4724	-.045
5263	-.183	8080	.482	4255	-.031	4464	-.176	4464	-.185	4954	-.010
5559	-.770	8400	.483	4464	-.061	4566	-.147	4566	-.181	5120	.017
5841	-1.074	8800	.477	4566	-.050	4780	-.081	4780	-.081	5368	.039
6057	-1.237	0	0.000	4785	-.039	5000	0.000	5000	0.000	5672	.064
6439	-1.395	0	0.000	5000	0.000	5264	.066	5255	.061	6014	.113
6793	-1.629	0	0.000	5264	.018	5556	.142	5556	.138	6404	.136
0	0.000	0	0.000	5559	.004	5840	.243	5840	.230	0	0.000
0	0.000	0	0.000	5840	.010	6050	.290	6055	.309	0	0.000
0	0.000	0	0.000	6056	.049	0	0.000	6370	.360	0	0.000
0	0.000	0	0.000	6370	.065	0	0.000	6800	.452	0	0.000
0	0.000	0	0.000	6800	.075	0	0.000	7100	.525	0	0.000
0	0.000	0	0.000	7100	.111	0	0.000	7530	.635	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	.708	0	0.000

BETA ERI HR 1666		BETA ERI HR 1666		16 ORI HR 1672		15 ORI HR 1676		LAMBDA ERI HR 1670		MU LEP HR 1702	
B-V	0.13	0.13	A3III	A7M	F2IV	R2IV	60	60	60	50	HYL
SP	A3III	A3III	60	50	OC	BRK	MOR	MOR	MOR	HYL	
BW	50/100	50/100	60	50	OC	BRK	MOR	MOR	MOR	HYL	
OBS	SPO	MOR									
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.434	3300	1.524	3390	1.495	3310	1.642	3300	-.306	3390	.565
3390	1.456	3400	1.433	3448	1.479	3390	1.652	3400	-.197	3448	.559
3448	1.433	3500	1.400	3509	1.447	3448	1.616	3500	-.160	3509	.557
3509	1.393	3600	1.367	3571	1.405	3510	1.567	3600	-.133	3570	.555
3570	1.358	4200	-.066	3636	1.357	3570	1.506	4200	-.256	3636	.557
3636	1.305	4425	-.057	4032	.104	3636	1.454	4425	-.197	4036	-.287
4036	-.089	4600	-.056	4167	.085	4032	.162	4600	-.136	4167	-.235
4167	-.068	4750	-.024	4255	.045	4165	.146	4750	-.074	4255	-.195
4255	-.076	5000	0.000	4464	.005	4255	.096	5000	0.000	4464	-.165
4464	-.096	5200	.021	4566	-.031	4465	.044	5200	.051	4566	-.091
4566	-.067	5400	.015	4785	-.050	4565	.060	5400	.125	4780	-.071
4780	-.021	5600	.046	5000	0.000	4785	-.005	5600	.176	5000	0.000
5000	0.000	5800	.042	5263	.033	5100	-.012	5800	.252	5264	.073
5264	.036	6000	.051	5556	-.002	5556	-.043	6000	.301	5556	.148
5556	.032	0	0.000	5882	.014	5840	-.041	0	0.000	5840	.310
5840	.063	0	0.000	6055	.039	6364	-.030	0	0.000	0	0.000
6050	.110	0	0.000	6370	.050	6764	.002	0	0.000	0	0.000
0	0.000	0	0.000	6800	.052	7100	.014	0	0.000	0	0.000
0	0.000	0	0.000	7100	.065	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7530	.125	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7850	.138	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8080	.141	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8400	.133	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8805	.176	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	9700	.197	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	9950	.202	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10250	.229	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10400	.234	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10800	.282	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

MU LEP HR 1702		HD 33948 HR 1704		14 AUR HR 1706		14 AUR HR 1706		BETA ORI HR 1713		BETA ORI HR 1713	
B-V	-0.11	B-V	-0.14	B-V	0.25	B-V	0.25	B-V	-0.03	B-V	-0.03
SP	B9P	SP	B5V	SP	D DEL	SP	D DEL	SP	B8IA	SP	B8IA
RW	60	RW	50	RW	50	RW	50	RW		RW	50
OBS	MOR	OBS	SC	OBS	DAD	OBS	DAD	OBS	KHA	OBS	BA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.514	3300	.264	3390	1.535	6050	.019	3300	.267	3294	.255
3400	.573	3350	.297	3448	1.479	6800	.032	3400	.226	3396	.270
3500	.550	3400	.296	3509	1.452	7550	.096	3500	.213	3492	.263
3600	.547	3450	.302	3571	1.425	8080	.101	3600	.200	3594	.259
4200	-.226	3500	.304	3636	1.357	8696	.126	3700	.049	4026	-.134
4425	-.177	3571	.318	4036	.038	9804	.139	4036	-.179	4172	-.122
4600	-.116	3636	.325	4167	.045	10204	.178	4221	-.154	4418	-.105
4750	-.074	4036	-.249	4255	.005	10638	.259	4500	-.112	4544	-.077
5000	0.000	4167	-.218	4464	-.020	10752	.292	4600	-.073	4724	-.046
5200	.041	4255	-.206	4566	-.006	0	0.000	4700	-.047	4954	-.009
5400	.085	4464	-.156	4780	-.035	0	0.000	4861	-.074	5120	.024
5600	.126	4566	-.137	5000	0.000	0	0.000	5000	0.000	5368	.061
5800	.162	4785	-.066	5264	.018	0	0.000	5150	.027	5672	.110
6000	.171	5000	0.000	5556	-.002	0	0.000	5300	.064	6014	.174
0	0.000	5263	.066	5848	.006	0	0.000	5500	.118	6404	.225
0	0.000	5556	.112	0	0.000	0	0.000	5700	.167	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5850	.195	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6000	.219	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6200	.211	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6400	.221	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6500	.229	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6600	.218	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6700	.226	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.240	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7000	.266	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.297	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7200	.323	0	0.000

BETA ORI HR 1713		BETA ORI HR 1713		BETA ORI HR 1713		BETA ORI HR 1713		HD 34452 HR 1732		TAU ORI HR 1735	
B-V	-0.03	B-V	-0.03	B-V	-0.03	B-V	-0.03	B-V	-0.17	B-V	-0.12
SP	B8IA	SP	B8IA	SP	B8IA	SP	B8IA	SP	AP	SP	B5III
RW	50/100	RW	50	RW	9	RW	60	RW	30/60	RW	60
OBS	SPO	OBS	DW	OBS	AFN	OBS	MOR	OBS	WOL	OBS	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.244	3300	.230	3392	.258	3300	.218	4032	-.336	3300	.284
3390	.266	3390	.265	3441	.259	3400	.253	4255	-.245	3400	.363
3448	.263	3448	.244	3504	.252	3500	.237	4464	-.205	3500	.360
3509	.263	3509	.247	3567	.237	3600	.232	4566	-.171	3600	.357
3571	.248	3571	.230	3634	.197	4200	-.141	4780	-.121	4200	-.276
3636	.235	3636	.217	4032	-.186	4425	-.118	5000	0.000	4425	-.227
4036	-.159	4032	-.176	4082	-.167	4600	-.076	5260	.102	4600	-.166
4167	-.138	4167	-.150	4167	-.141	4750	-.056	5550	.129	4750	-.084
4255	-.126	4255	-.135	4255	-.120	5000	0.000	5800	.197	5000	0.000
4464	-.126	4464	-.110	4367	-.110	5200	.026	6060	.259	5200	.001
4566	-.097	4566	-.096	4464	-.105	5400	.045	6370	.350	5400	.075
4780	-.046	4785	-.050	4566	-.072	5600	.074	6800	.422	5600	.116
5000	0.000	5000	0.000	4673	-.060	5800	.093	7110	.485	5800	.172
5264	.036	5263	.038	5000	0.000	6000	.213	7530	.585	6000	.211
5556	.072	5500	.063	5127	.014	0	0.000	7850	.628	0	0.000
5840	.123	5556	.068	5261	.033	0	0.000	8080	.671	0	0.000
6050	.170	5840	.125	5556	.068	0	0.000	8400	.703	0	0.000
0	0.000	6055	.164	5868	.113	0	0.000	8800	.776	0	0.000
0	0.000	6370	.225	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.247	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.290	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.360	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.408	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.416	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

LAMBDA LEP		25 ORI		GAMMA ORI		GAMMA ORI		GAMMA ORI		BETA TAU	
HR 1756		HR 1789		HR 1790		HR 1790		HR 1790		HR 1791	
B-V	-0.28		-0.21		-0.22		-0.22		-0.22		-0.13
SP	B0.51V		B2VPE		B2111		B2111		B2111		B7111
BW	60		60		50/100		50		60		50
OBS	MOR		MOR		SPO		DW		MOR		BA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.476	3300	-.316	3300	-.206	3300	-.275	3300	-.306	3294	.419
3400	-.417	3400	-.227	3390	-.174	3390	-.200	3400	-.197	3396	.452
3500	-.390	3500	-.200	3448	-.157	3448	-.191	3500	-.180	3492	.452
3600	-.233	3600	-.153	3509	-.137	3509	-.163	3600	-.143	3594	.456
4200	-.316	4200	-.296	3570	-.122	3571	-.160	4200	-.306	4026	-.252
4425	-.247	4425	-.217	3636	-.115	3636	-.143	4425	-.217	4172	-.223
4600	-.166	4600	-.126	4036	-.319	4032	-.341	4600	-.146	4418	-.174
4750	-.124	4750	-.104	4167	-.268	4167	-.305	4750	-.104	4544	-.128
5000	0.000	5000	0.000	4255	-.256	4255	-.295	5000	0.000	4724	-.072
5200	.041	5200	.051	4464	-.186	4464	-.210	5200	.041	4954	-.012
5400	.105	5400	.095	4566	-.157	4566	-.191	5400	.115	5120	.043
5600	.176	5600	.146	4780	-.101	4785	-.100	5600	.176	5368	.095
5800	.282	5800	.132	5000	0.000	5000	0.000	5800	.282	5672	.167
6000	.311	6000	.101	5264	.086	5263	.078	6000	.441	6014	.259
0	0.000	0	0.000	5556	.162	5500	.138	0	0.000	6404	.336
0	0.000	0	0.000	5840	.283	5556	.148	0	0.000	0	0.000
0	0.000	0	0.000	6050	.300	5840	.245	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6055	.314	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6370	.395	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.477	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.550	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7530	.655	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7850	.738	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8080	.766	0	0.000	0	0.000

BETA TAU		BETA TAU		114 TAU		HD 35715		32 ORI		HD 36003	
HR 1791		HR 1791		HR 1810		HR 1811		HR 1839		K4	
B-V	-0.13		-0.13		-0.14		-0.22		-0.15		
SP	B7111		B7111		B3V		B21V		R51V		
BW	50/100				50/100		50		60		50
OBS	SPO		KHA		KO		WAT		MOR		WHI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.434	3300	.474	3297	-.050	3390	-.258	3300	.204	4955	.031
3390	.456	3400	.417	3390	-.025	3448	-.245	3400	.263	5311	-.191
3448	.453	3500	.408	3448	-.001	3509	-.213	3500	.270	5556	-.397
3509	.453	3600	.411	3509	-.003	3571	-.174	3600	.347	5747	-.552
3570	.438	3700	.378	3571	.015	3636	-.166	4200	-.266	6053	-.707
3636	.445	4036	-.279	3636	.037	4032	-.332	4425	-.197	6431	-.795
4036	-.269	4221	-.225	4032	-.256	4167	-.295	4600	-.136	6821	-.912
4167	-.218	4500	-.161	4167	-.255	4255	-.254	4750	-.094	7102	-.990
4255	-.196	4600	-.121	4255	-.235	4464	-.186	5000	0.000	7530	-1.100
4464	-.166	4700	-.089	4464	-.145	4566	-.160	5200	.051	7819	-1.126
4566	-.127	4861	-.042	4566	-.151	4785	-.095	5400	.115	8065	-1.174
4780	-.051	5000	0.000	4780	-.081	5000	0.000	5600	.166	8598	-1.261
5000	0.000	5150	.032	5000	0.000	5263	.065	5800	.232	8850	-1.298
5264	.086	5300	.073	5255	.021	5400	.110	6000	.301	9950	-1.353
5556	.152	5500	.135	5556	.098	5556	.147	0	0.000	10246	-1.366
5840	.213	5700	.205	5840	.170	5840	.199	0	0.000	10526	-1.368
6050	.270	5850	.254	6055	.229	6055	.273	0	0.000	0	0.000
0	0.000	6000	.300	6370	.290	6370	.370	0	0.000	0	0.000
0	0.000	6200	.331	6800	.372	6800	.462	0	0.000	0	0.000
0	0.000	6400	.341	7100	.435	7100	.514	0	0.000	0	0.000
0	0.000	6500	.346	7530	.525	7530	.586	0	0.000	0	0.000
0	0.000	6600	.330	7850	.568	0	0.000	0	0.000	0	0.000
0	0.000	6700	.337	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.356	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7000	.391	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.438	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7200	.483	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 36012		DELTA ORI HR 1851-2		HD 36629		HD 36760		HD 36777 HR 1872		HD 36779 HR 1873	
B-V	-0.10		-0.22				-0.10		0.05		-0.18
SP	R5VNE		09.511				B7V		A2		B2.5V
BW	50		50/100		50		50		50		50
OBS	SC		SPO		MOR		SC		SC		SC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.284	3300	-.446	3390	.182	3300	.504	3300	1.344	3300	-.096
3350	.307	3390	-.404	3448	.146	3350	.527	3350	1.357	3350	-.063
3400	.316	3448	-.397	3509	.167	3400	.516	3400	1.316	3400	-.054
3450	.322	3509	-.367	3571	.206	3450	.522	3450	1.292	3450	-.038
3500	.304	3570	-.352	3636	.213	3500	.514	3500	1.264	3500	-.046
3571	.318	3636	-.335	4032	-.148	3571	.518	3571	1.228	3571	-.012
3636	.315	4032	-.309	4167	-.145	3636	.505	3636	1.195	3636	-.005
4036	-.249	4167	-.258	4255	-.144	4036	-.239	4036	-.139	4036	-.279
4167	-.208	4255	-.246	4464	-.106	4167	-.198	4167	-.108	4167	-.238
4255	-.196	4464	-.166	4566	-.120	4255	-.186	4255	-.106	4255	-.226
4464	-.156	4566	-.127	4785	-.055	4464	-.146	4464	-.096	4464	-.176
4566	-.137	4780	-.076	5000	0.000	4566	-.127	4566	-.077	4566	-.157
4785	-.066	5000	0.000	5263	.005	4785	-.056	4785	-.036	4785	-.076
5000	0.000	5264	.096	5556	.007	5000	0.000	5000	0.000	5000	0.000
5263	.046	5556	.182	0	0.000	5263	.046	5263	.036	5263	.066
5556	.082	5840	.273	0	0.000	5556	.102	5556	.032	5556	.112
0	0.000	6050	.310	0	0.000	0	0.000	0	0.000	0	0.000

121 TAU HR 1875		PHIL ORI HR 1876		HD 36842		HD 36865		HD 36895		HD 36935	
B-V			-0.17		-0.11		-0.07		-0.20		-0.12
SP	R3V		R01V		R7V		R8V		B21V-V		R7V
BW	25/50		60		50		50		50		50
OBS	K0		MOR		SC		SC		SC		SC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3297	.200	3300	-.416	3300	.394	3300	.534	3300	-.006	3300	.324
3390	.215	3400	-.337	3350	.407	3350	.557	3350	.027	3350	.347
3448	.209	3500	-.310	3400	.416	3400	.556	3400	.036	3400	.346
3509	.267	3600	-.173	3450	.422	3450	.562	3450	.052	3450	.352
3571	.275	4200	-.286	3500	.404	3500	.544	3500	.064	3500	.344
3636	.267	4425	-.197	3571	.418	3571	.548	3571	.078	3571	.358
4032	-.196	4600	-.136	3636	.415	3636	.545	3636	.075	3636	.365
4167	-.185	4750	-.104	4036	-.239	4036	-.209	4036	-.249	4036	-.249
4255	-.155	5000	0.000	4167	-.208	4167	-.178	4167	-.208	4167	-.208
4464	-.075	5200	.031	4255	-.196	4255	-.166	4255	-.196	4255	-.196
4566	-.101	5400	.075	4464	-.176	4464	-.136	4464	-.156	4464	-.156
4780	-.051	5600	.146	4566	-.127	4566	-.107	4566	-.137	4566	-.137
5000	0.000	5800	.222	4785	-.066	4785	-.056	4785	-.066	4785	-.066
5255	.041	6000	.301	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5556	.098	0	0.000	5263	.046	5263	.036	5263	.056	5263	.056
5840	.160	0	0.000	5556	.082	5556	.062	5556	.072	5556	.092
6055	.209	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6370	.250	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6800	.322	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.395	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7530	.445	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7850	.468	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 36936		HD 36958		HD 36981		HD 37017		HD 37016		IOTA ORI	
B-V	SP	B2 IV	HR 1891	HR 1890	B2 IV	HR 1891	B2 IV	HR 1899	HR 1899	09111	BA
BW	50	50	50	50	50	50	50	50	50	50	BA
OBS	SC	SC	SC	SC	SC	SC	SC	SC	SC	SC	BA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.274	3300	.214	3300	.254	3300	-.006	3300	.074	3294	-.527
3350	.287	3350	.237	3350	.287	3350	.037	3350	.107	3396	-.467
3400	.296	3400	.246	3400	.286	3400	.036	3400	.106	3492	-.422
3450	.302	3450	.252	3450	.282	3450	.042	3450	.112	3594	-.377
3500	.304	3500	.244	3500	.274	3500	.034	3500	.114	4026	-.326
3571	.318	3571	.258	3571	.298	3571	.058	3571	.138	4172	-.274
3636	.315	3636	.275	3636	.305	3636	.045	3636	.145	4418	-.211
4036	-.239	4036	-.199	4036	-.239	4036	-.219	4036	-.259	4544	-.155
4167	-.208	4167	-.178	4167	-.218	4167	-.208	4167	-.228	4724	-.088
4255	-.206	4255	-.186	4255	-.186	4255	-.216	4255	-.206	4954	-.016
4464	-.156	4464	-.136	4464	-.146	4464	-.146	4464	-.166	5120	.051
4566	-.137	4566	-.117	4566	-.127	4566	-.147	4566	-.147	5368	.118
4785	-.066	4785	-.066	4785	-.056	4785	-.076	4785	-.066	5672	.208
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	6014	.321
5263	.046	5263	.046	5263	.056	5263	.046	5263	.066	6404	.407
5556	.072	5556	.062	5556	.092	5556	.102	5556	.102	0	0.000

HD 37058		HD 37061		EPSILON ORI		EPSILON ORI		EPSILON ORI		EPSILON ORI	
B-V	SP	B0.5V	HR 1903	HR 1903	B0IA	HR 1903	B0IA	HR 1903	B0IA	B0IA	KHA
BW	50	50	50	50	50	50	50	50	50	50	KHA
OBS	NOK	SC	BA	BA	HAY	OKE	OKE	OKE	OKE	OKE	KHA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	-.068	3300	.324	3294	-.432	3300	-.429	3390	-.375	3300	-.343
3448	-.064	3350	.337	3396	-.375	3350	-.414	3448	-.371	3400	-.372
3509	-.043	3400	.336	3492	-.341	3400	-.412	3509	-.343	3500	-.349
3571	-.024	3450	.332	3594	-.308	3450	-.389	3571	-.320	3600	-.318
3636	-.007	3500	.324	4026	-.273	3500	-.376	3636	-.308	3700	-.349
4032	-.298	3571	.328	4172	-.231	3571	-.349	4032	-.291	4036	-.312
4167	-.275	3636	.325	4418	-.180	3636	-.326	4167	-.250	4221	-.240
4255	-.254	4036	.091	4544	-.171	4037	-.301	4255	-.235	4500	-.159
4464	-.176	4167	.092	4724	-.069	4167	-.262	4464	-.170	4600	-.114
4566	-.160	4255	.074	4954	-.010	4255	-.229	4566	-.136	4700	-.096
4785	-.085	4464	.034	5120	.038	4464	-.175	4785	-.075	4861	-.053
5000	0.000	4566	.023	5368	.099	4566	-.133	5000	0.000	5000	0.000
5263	.045	4785	.014	5672	.169	4786	-.088	5263	.068	5150	.047
5556	.137	5000	0.000	6014	.273	5000	0.000	5556	.133	5300	.099
0	0.000	5263	-.044	6404	.349	5263	.062	5840	.210	5500	.163
0	0.000	5556	-.118	0	0.000	5556	.141	6055	.269	5700	.215
0	0.000	0	0.000	0	0.000	5840	.200	6370	.340	5850	.244
0	0.000	0	0.000	0	0.000	6056	.266	6800	.412	6000	.282
0	0.000	0	0.000	0	0.000	6440	.371	7100	.475	6200	.315
0	0.000	0	0.000	0	0.000	6800	.452	7530	.575	6400	.301
0	0.000	0	0.000	0	0.000	7100	.499	7850	.648	6500	.285
0	0.000	0	0.000	0	0.000	7550	.603	8080	.661	6600	.266
0	0.000	0	0.000	0	0.000	7782	.642	8400	.693	6700	.297
0	0.000	0	0.000	0	0.000	8091	.701	8805	.816	6800	.306
0	0.000	0	0.000	0	0.000	8375	.725	9700	.957	7000	.337
0	0.000	0	0.000	0	0.000	8711	.825	9950	.982	7100	.342
0	0.000	0	0.000	0	0.000	9833	.995	10250	1.039	7200	.366
0	0.000	0	0.000	0	0.000	10256	1.088	10400	1.064	0	0.000
0	0.000	0	0.000	0	0.000	10406	1.119	10800	1.122	0	0.000
0	0.000	0	0.000	0	0.000	10616	1.167	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10799	1.174	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10881	1.137	0	0.000	0	0.000

TABLE 2—Continued

EPSILON ORI HR 1903		EPSILON ORI HR 1903		HD 37112		HD 37129		ZETA TAU HR 1910		HD 37356 HR 1923	
B-V	-0.18	-0.18	-0.18	-0.08	-0.08	B6V	B6V	-0.19	-0.19	B2 IIV	B2 IV
SP	B0 IA	B0 IA	B0 IA	50	50	50	50	B2 IIP	B2 IIP	50/100	50
BW	9	60	60	50	50	NOR	NOR	SPO	SPO	50	50
OBS	AFN	MOR	MOR	SC	SC					SC	SC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3392	-.407	3300	-.436	3300	.394	3390	.052	3300	.014	3300	.074
3441	-.388	3400	-.371	3350	.417	3448	.060	3390	.056	3350	.107
3504	-.365	3500	-.344	3400	.416	3509	.057	3448	.063	3400	.116
3567	-.337	3600	-.318	3450	.422	3571	.076	3509	.103	3450	.122
3634	-.316	4200	-.248	3500	.424	3636	.103	3570	.118	3500	.114
4032	-.319	4425	-.197	3571	.428	4032	-.248	3636	.125	3571	.128
4082	-.290	4600	-.113	3636	.435	4167	-.255	4036	-.309	3636	.135
4167	-.252	4750	-.074	4036	-.229	4255	-.244	4167	-.268	4036	-.159
4255	-.217	5000	0.000	4167	-.198	4464	-.156	4255	-.236	4167	-.138
4367	-.191	5200	.040	4255	-.186	4566	-.150	4464	-.166	4255	-.136
4464	-.172	5400	.105	4464	-.146	4785	-.065	4566	-.147	4464	-.116
4566	-.127	5600	.150	4566	-.127	5000	0.000	4780	-.096	4566	-.107
4673	-.102	5800	.220	4785	-.066	5263	.055	5000	0.000	4785	-.046
5000	0.000	6000	.293	5000	0.000	5556	.137	5264	.086	5000	0.000
5127	.031	0	0.000	5263	.056	0	0.000	5556	.162	5263	.016
5261	.066	0	0.000	5556	.062	0	0.000	5840	.253	5556	.042
5556	.137	0	0.000	0	0.000	0	0.000	6050	.300	0	0.000
5868	.216	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

HD 37470		HD 37490 HR 1934		HR 1934		ZETA ORI HR 1948		ZETA ORI HR 1948		HD 37776	
B-V	0.06	-0.09	-0.09	-0.09	-0.09	09.51B	09.51B	09.51B	09.51B	B2V	B2V
SP	B8P	B2 IVE	B2 IVE	B2 IVE	B2 IVE	50	50	50	50	50	50
BW	50	50	50	50	50	DW	DW	KHA	KHA	WAT	WAT
OBS	SC	SC	SC	MOR	MOR						
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.834	3300	-.026	3300	-.036	3300	-.545	3300	-.363	3390	-.128
3350	.857	3350	-.003	3400	.023	3390	-.455	3400	-.340	3448	-.115
3400	.856	3400	-.004	3500	.010	3448	-.446	3500	-.354	3509	-.103
3450	.832	3450	.002	3600	.037	3509	-.418	3600	-.326	3571	-.094
3500	.814	3500	-.016	4200	-.206	3571	-.395	3700	-.347	3636	-.086
3571	.808	3571	.008	4425	-.157	3636	-.378	4036	-.293	4032	-.272
3636	.795	3636	.005	4600	-.106	4032	-.356	4221	-.222	4167	-.265
4036	-.119	4036	-.219	4750	-.074	4167	-.310	4500	-.142	4255	-.224
4167	-.098	4167	-.178	5000	0.000	4255	-.260	4600	-.104	4464	-.136
4255	-.086	4255	-.166	5200	.021	4464	-.190	4700	-.074	4566	-.140
4464	-.086	4464	-.146	5400	.075	4566	-.156	4861	-.038	4785	-.075
4566	-.047	4566	-.127	5600	.136	4785	-.075	5000	0.000	5000	0.000
4785	-.026	4785	-.056	5800	.182	5000	0.000	5150	.041	5263	.055
5000	0.000	5000	0.000	6000	.211	5263	.073	5300	.077	5400	.080
5263	.006	5263	.056	0	0.000	5500	.128	5500	.139	5556	.107
5556	.002	5556	.092	0	0.000	5556	.143	5700	.238	0	0.000
0	0.000	0	0.000	0	0.000	5840	.225	5850	.286	0	0.000
0	0.000	0	0.000	0	0.000	6055	.284	6000	.354	0	0.000
0	0.000	0	0.000	0	0.000	6370	.360	6200	.378	0	0.000
0	0.000	0	0.000	0	0.000	6800	.432	6400	.412	0	0.000
0	0.000	0	0.000	0	0.000	7100	.495	6500	.430	0	0.000
0	0.000	0	0.000	0	0.000	7530	.595	6600	.432	0	0.000
0	0.000	0	0.000	0	0.000	7850	.673	6700	.442	0	0.000
0	0.000	0	0.000	0	0.000	8080	.691	6800	.459	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7000	.495	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.530	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7200	.579	0	0.000

TABLE 2—Continued

ALPHA COL HR 1956		ZETA LEP HR 1998		KAPPA ORI HR 2004		KAPPA ORI HR 2004		134 TAU HR 2010		DELTA DOR HR 2015	
B-V	-0.12		0.10		-0.18		-0.18		-0.07		0.22
SP	BHVE		A3V		B0.51A		B0.51A		B9IV		A6IV
Bw	60		60		50		60		50		60
OBS	MOR		MOR		DW		MOR		LEC		MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.474	3300	1.354	3300	-.475	3300	-.456	3300	.983	3300	1.594
3400	.523	3400	1.333	3390	-.385	3400	-.367	3350	.983	3400	1.553
3500	.510	3500	1.260	344A	-.381	3500	-.340	3400	.994	3500	1.480
3600	.547	3600	1.327	3509	-.348	3600	-.313	3450	.970	3600	1.427
4200	-.226	4200	-.116	3571	-.335	4200	-.256	3500	.863	4200	.004
4425	-.177	4425	-.127	3636	-.323	4425	-.207	3571	.889	4425	-.027
4600	-.126	4600	-.096	4032	-.326	4600	-.136	3636	.891	4600	-.026
4750	-.054	4750	-.074	4167	-.280	4750	-.094	4032	-.212	4750	-.034
5000	0.000	5000	0.000	4255	-.235	5000	0.000	4167	-.203	5000	0.000
5200	.051	5200	.011	4464	-.165	5200	.041	4255	-.189	5200	.031
5400	.085	5400	.035	4566	-.136	5400	.075	4464	-.152	5400	.025
5600	.166	5600	.076	4785	-.070	5600	.126	4566	-.121	5600	.016
5800	.182	5800	.082	5000	0.000	5800	.172	4786	-.061	5800	.012
6000	.341	6000	.161	5263	.058	6000	.281	5000	0.000	0	0.000
0	0.000	0	0.000	5500	.108	0	0.000	5263	.067	0	0.000
0	0.000	0	0.000	5556	.118	0	0.000	5556	.139	0	0.000
0	0.000	0	0.000	5840	.190	0	0.000	5840	.191	0	0.000
0	0.000	0	0.000	6055	.249	0	0.000	6056	.250	0	0.000
0	0.000	0	0.000	6370	.320	0	0.000	6436	.319	0	0.000
0	0.000	0	0.000	6800	.387	0	0.000	6790	.369	0	0.000
0	0.000	0	0.000	7100	.440	0	0.000	7100	.439	0	0.000
0	0.000	0	0.000	7530	.540	0	0.000	7550	.538	0	0.000
0	0.000	0	0.000	7850	.613	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8080	.631	0	0.000	0	0.000	0	0.000

BETA PIC HR 2020		THETA AUR HR 2095		GAMMA COL HR 2106		I MON HR 2107		I MON HR 2107		HR 2154	
B-V	0.17		-0.08		-0.18		0.29		0.29		-0.15
SP	A3V		A0P		B3IV		F2II		F2II		B5IV
Bw	60		50/100		60		50		50		50
OBS	MOR		SPO		MOR		DAD		DAD		LAC
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.384	3300	.944	3300	.134	3390	1.441	6050	-.009	3300	.332
3400	1.363	3390	.986	3400	.183	3448	1.372	6800	-.016	3350	.351
3500	1.310	3448	.973	3500	.180	3509	1.380	7550	.068	3400	.347
3600	1.287	3509	.923	3600	.187	3571	1.341	8080	-.007	3450	.351
4200	-.056	3570	.908	4200	-.256	3636	1.230	8696	.008	3500	.354
4425	-.067	3636	.905	4425	-.207	4036	.156	9804	.061	3571	.373
4600	-.066	4036	-.249	4600	-.126	4167	.148	10204	.070	3636	.370
4750	-.054	4167	-.198	4750	-.084	4255	.098	10638	.141	4032	-.225
5000	0.000	4255	-.186	5000	0.000	4464	.045	10752	.154	4167	-.195
5200	.031	4464	-.186	5200	.031	4566	.025	0	0.000	4255	-.181
5400	.025	4566	-.127	5400	.155	4780	-.034	0	0.000	4464	-.141
5600	.036	4780	-.061	5600	.176	5000	0.000	0	0.000	4566	-.119
5800	.052	5000	0.000	5800	.232	5264	-.017	0	0.000	4786	-.071
6000	.121	5264	.086	6000	.391	5556	-.082	0	0.000	5000	0.000
0	0.000	5556	.122	0	0.000	5848	-.056	0	0.000	5263	.068
0	0.000	5840	.173	0	0.000	0	0.000	0	0.000	5556	.148
0	0.000	6050	.210	0	0.000	0	0.000	0	0.000	5840	.192
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6056	.285
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6436	.344
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6790	.396
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.475
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7550	.572

TABLE 2—Continued

NU ORI HR 2159		XI ORI HR 2199		ZETA CMA HR 2282		BETA CMA HR 2294		BETA CMA HR 2294			
B-V	-0.27	B-V	-0.17	B-V	-0.09	B-V	-0.24	B-V	-0.24		
SP	B3V	SP	B3V	SP	A4	SP	B1III	SP	B1III		
BW	60	BW	25/50	BW	20-5	BW	60	BW	50		
OBS	MOR	OBS	KO	OBS	AD	OBS	MOR	OBS	DW		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.		
3300	.064	3297	.120	3200	.756	3300	.004	3300	-.435	3390	-.348
3400	.113	3390	.115	3300	.732	3400	.043	3390	-.345	3448	-.335
3500	.110	3448	.139	3390	.747	3500	.080	3448	-.341	3509	-.293
3600	.157	3509	.147	3448	.719	3600	.107	3509	-.313	3571	-.254
4200	-.286	3571	.165	3509	.737	4200	-.266	3571	-.300	3636	-.246
4425	-.207	3636	.177	3571	.718	4425	-.217	3636	-.288	4032	-.362
4600	-.156	4032	-.276	3636	.701	4600	-.136	4032	-.391	4167	-.325
4750	-.104	4167	-.255	4032	-.260	4750	-.084	4167	-.335	4255	-.284
5000	0.000	4255	-.235	4167	-.208	5000	0.000	4255	-.300	4464	-.206
5200	.051	4464	-.145	4255	-.196	5200	.051	4464	-.210	4566	-.170
5400	.155	4566	-.141	4464	-.174	5400	.115	4566	-.181	4785	-.105
5600	.196	4785	-.061	4566	-.105	5600	.166	4785	-.095	5000	0.000
5800	.242	5000	0.000	4785	-.064	5800	.212	5000	0.000	5263	.075
0	0.000	5255	.061	5000	0.000	0	0.000	5263	.078	5400	.110
0	0.000	5556	.128	5264	.090	0	0.000	5500	.138	5556	.147
0	0.000	5840	.220	5556	.119	0	0.000	5556	.148	5840	.219
0	0.000	6055	.279	5840	.158	0	0.000	5840	.240	6055	.283
0	0.000	6370	.330	6056	.220	0	0.000	6055	.299	6370	.390
0	0.000	6800	.412	6370	.292	0	0.000	6370	.375	6800	.522
0	0.000	7100	.465	6800	.328	0	0.000	6800	.457	7100	.574
0	0.000	7530	.565	7100	.383	0	0.000	7100	.520	7530	.666
0	0.000	7850	.548	0	0.000	0	0.000	7530	.635	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	.718	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	.736	0	0.000

BETA CMA HR 2294		ALPHA CAR HR 2326		ALPHA CAR HR 2326		ALPHA CAR HR 2326		LAMBDA CMA HR 2361		XII CMA HR 2387	
B-V	-0.24	B-V	0.16	B-V	0.16	B-V	0.16	B-V	-0.18	B-V	-0.25
SP	B1II	SP	F0IA	SP	F0IA	SP	F0IA	SP	B0.5IV	SP	B0.5IV
BW	60	BW	50	BW	9	BW	60	BW	60	BW	50
OBS	MOR	OBS	DW	OBS	AFN	OBS	MOR	OBS	MOR	OBS	WAT
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.376	3300	2.100	3392	1.919	3300	1.961	3300	.164	3390	-.378
3400	-.297	3390	2.075	3441	1.874	3400	1.920	3400	.203	3448	-.355
3500	-.270	3448	1.969	3504	1.819	3500	1.825	3500	.200	3509	-.313
3600	-.243	3509	1.937	3567	1.766	3600	1.739	3600	.217	3571	-.284
4200	-.276	3571	1.840	3634	1.672	4200	-.013	4200	-.266	3636	-.266
4425	-.207	3636	1.752	4032	-.030	4425	-.034	4425	-.217	4032	-.362
4600	-.116	4032	.019	4082	-.023	4600	-.036	4600	-.136	4167	-.325
4750	-.074	4167	.015	4167	-.017	4750	-.045	4750	-.094	4255	-.284
5000	0.000	4255	.020	4255	-.013	5000	0.000	5000	0.000	4464	-.206
5200	.051	4464	-.025	4367	-.021	5200	.022	5200	.061	4566	-.170
5400	.145	4566	-.016	4464	-.033	5400	.021	5400	.155	4785	-.105
5600	.206	4785	-.035	4566	-.013	5600	.012	5600	.186	5000	0.000
5800	.252	5000	0.000	4673	-.017	5800	.007	5800	.252	5263	.065
6000	.341	5263	.038	5000	0.000	6000	.022	0	0.000	5400	.110
0	0.000	5500	.003	5127	.001	0	0.000	0	0.000	5556	.157
0	0.000	5556	-.002	5261	.005	0	0.000	0	0.000	0	0.000
0	0.000	5840	.010	5556	.008	0	0.000	0	0.000	0	0.000
0	0.000	6055	.019	5868	.019	0	0.000	0	0.000	0	0.000
0	0.000	6370	.050	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.032	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.055	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.090	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.128	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.091	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

GAMMA GEM HR 2421		GAMMA GEM HR 2421		GAMMA GEM HR 2421		GAMMA GEM HR 2421		GAMMA GEM HR 2421		NU PUP HR 2451	
B-V	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.11
SP	A1IV	A1IV	A1IV	A1IV	A1IV	A1IV	A1IV	A1IV	A1IV	A1IV	B811I
BW	50	50	50	50	10	60	60	60	60	60	60
OBS	OKE	HAY	DW	JUS	MOR	MOR	MOR	MOR	MOR	MOR	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.300	3300	1.346	3300	1.320	3390	1.415	3300	1.294	3300	.624
3448	1.259	3350	1.336	3390	1.330	3448	1.349	3400	1.303	3400	.653
3509	1.262	3400	1.302	3448	1.284	3509	1.317	3500	1.250	3500	.640
3571	1.245	3450	1.285	3509	1.267	3571	1.275	3600	1.287	3600	.757
3636	1.212	3500	1.266	3571	1.245	3636	1.237	4200	-.186	4200	-.226
4032	-.206	3571	1.238	3636	1.202	4032	-.216	4425	-.137	4425	-.177
4167	-.165	3636	1.207	4032	-.206	4082	-.216	4600	-.096	4600	-.126
4255	-.150	4032	-.209	4167	-.185	4167	-.195	4750	-.064	4750	-.094
4464	-.125	4167	-.184	4255	-.160	4255	-.185	5000	0.000	5000	0.000
4566	-.086	4255	-.158	4464	-.140	4367	-.165	5200	.051	5200	.021
4785	-.060	4464	-.126	4566	-.106	4464	-.145	5400	.085	5400	.055
5000	0.000	4566	-.099	4785	-.055	4566	-.111	5600	.116	5600	.126
5263	.053	4786	-.074	5000	0.000	4673	-.096	5800	.152	5800	.182
5556	.088	5000	0.000	5263	.068	4780	-.071	0	0.000	6000	.281
5840	.170	5263	.052	5500	.088	4902	-.039	0	0.000	0	0.000
0	0.000	5556	.105	5556	.098	5000	0.000	0	0.000	0	0.000
0	0.000	5840	.146	5840	.160	5128	.047	0	0.000	0	0.000
0	0.000	6056	.200	6055	.209	0	0.000	0	0.000	0	0.000
0	0.000	6440	.266	6370	.270	0	0.000	0	0.000	0	0.000
0	0.000	6800	.322	6800	.297	0	0.000	0	0.000	0	0.000
0	0.000	7100	.359	7100	.345	0	0.000	0	0.000	0	0.000
0	0.000	7550	.425	7530	.425	0	0.000	0	0.000	0	0.000
0	0.000	7782	.473	7850	.473	0	0.000	0	0.000	0	0.000
0	0.000	8091	.499	8080	.476	0	0.000	0	0.000	0	0.000
0	0.000	8375	.494	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8711	.490	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9R13	.544	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10256	.616	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10406	.646	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10616	.694	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10799	.705	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10881	.684	0	0.000	0	0.000	0	0.000	0	0.000

S MON HR 2456		EPSILON GEM HR 2473		EPSILON GEM HR 2473		ALPHA CMA HR 2491		ALPHA CMA HR 2491		ALPHA CMA HR 2491	
B-V	-0.25					0.00	0.00	0.00	0.00	0.00	0.00
SP	07	G8IB		G8IB		A1IV	A1IV	A1IV	A1IV	A1IV	
BW	9	30		50/100		50/100	50	50	50	9	
OBS	AFN	FSW		SCH		SPO	DW	DW	DW	AFN	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3392	-.520	3500	3.424	3509	3.437	3300	1.054	3300	1.125	3392	1.127
3441	-.499	3571	3.530	3571	3.545	3390	1.096	3390	1.160	3441	1.106
3504	-.473	3636	2.781	3636	2.957	3448	1.083	3448	1.119	3504	1.079
3567	-.444	4032	1.736	4036	1.703	3509	1.063	3509	1.102	3567	1.056
3634	-.421	4168	1.787	4167	1.775	3570	1.038	3571	1.070	3634	1.025
4032	-.400	4255	1.271	4255	1.225	3636	1.015	3636	1.032	4032	-.217
4082	-.371	4464	.776	4464	.725	4036	-.239	4032	-.251	4082	-.200
4167	-.328	4566	.527	4566	.489	4167	-.198	4167	-.215	4167	-.178
4255	-.288	4787	.040	4780	.099	4255	-.176	4255	-.195	4255	-.157
4367	-.254	5000	0.000	5000	0.000	4464	-.176	4464	-.170	4367	-.143
4464	-.227	5263	-.151	5264	-.197	4566	-.127	4566	-.131	4464	-.135
4566	-.171	5559	-.567	5556	-.422	4780	-.056	4785	-.070	4566	-.096
4673	-.135	5841	-.779	5840	-.690	5000	0.000	5000	0.000	4673	-.078
5000	0.000	6057	-.856	6050	-.751	5264	.066	5263	.068	5000	0.000
5127	.054	6439	-.871	0	0.000	5556	.102	5556	.108	5127	.020
5261	.111	6793	-1.009	0	0.000	5840	.143	5840	.175	5261	.042
5556	.231	0	0.000	0	0.000	6050	.200	6055	.224	5556	.080
5868	.354	0	0.000	0	0.000	0	0.000	6370	.280	5868	.120
0	0.000	0	0.000	0	0.000	0	0.000	6800	.332	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.370	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	.460	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	.518	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	.521	0	0.000

TABLE 2—Continued

ALPHA CMA HR 2491		KAPPA CMA HR 2538		ALPHA PIC HR 2550		15 CMA HR 2571		EPSILON CMA HR 2618		EPSILON CMA HR 2618	
B-V	0.00		-0.24		0.21		-0.23		-0.21		-0.21
SP	A11V		B2VE		ASV		B11V		B21I		B21I
BW	60		60		60		50		50/100		50
OBS	MOR		MOR		MOR		WAT		SPO		DW
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.099	3300	-.426	3300	1.544	3390	-.318	3300	-.336	3300	-.400
3400	1.103	3400	-.337	3400	1.543	3448	-.295	3390	-.314	3390	-.320
3500	1.068	3500	-.320	3500	1.460	3509	-.253	3448	-.297	3448	-.311
3600	1.033	3600	-.293	3600	1.357	3571	-.214	3509	-.257	3509	-.288
4200	-.188	4200	-.296	4200	.014	3636	-.206	3570	-.222	3571	-.260
4425	-.156	4425	-.217	4425	-.027	4032	-.322	3636	-.225	3636	-.248
4600	-.097	4600	-.146	4600	-.036	4167	-.295	4036	-.339	4032	-.366
4750	-.073	4750	-.084	4750	-.024	4255	-.254	4167	-.268	4167	-.325
5000	0.000	5000	0.000	5000	0.000	4464	-.186	4255	-.276	4255	-.285
5200	.040	5200	.041	5200	.001	4785	-.095	4464	-.186	4464	-.205
5400	.073	5400	.095	5400	.005	5000	0.000	4566	-.167	4566	-.171
5600	.101	5600	.176	5600	.006	5263	.055	4780	-.091	4785	-.100
5800	.139	5800	.202	5800	.002	5400	.100	5000	0.000	5000	0.000
6000	.182	6000	.231	6000	.071	5556	.147	5264	.056	5263	.063
0	0.000	0	0.000	0	0.000	0	0.000	5556	.152	5500	.123
0	0.000	0	0.000	0	0.000	0	0.000	5840	.233	5556	.138
0	0.000	0	0.000	0	0.000	0	0.000	6050	.330	5840	.235
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6055	.299
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6370	.375
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6800	.472
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.530
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.645
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	.723
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	.761

EPSILON CMA HR 2618		OMICRON CMA HR 2653		GAMMA CMA HR 2657		HD 53974 HR 2678		DELTA CMA HR 2693		HR 2702	
B-V	-0.21		-0.08		-0.12		0.05		0.67		-0.18
SP	B21I		B31A		B81I		B0.51V		F81A		B3V
BW	60		60		60		50		50		50
OBS	MOR		MOR		MOR		WAT		DW		NOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.356	3300	.004	3300	.464	3390	-.028	3300	2.510	3390	.062
3400	-.347	3400	.013	3400	.493	3448	-.025	3390	2.430	3448	.065
3500	-.280	3500	.010	3500	.480	3509	-.003	3448	2.324	3509	.077
3600	-.243	3600	.007	3600	.447	3571	.026	3509	2.257	3571	.106
4200	-.296	4200	-.196	4200	-.226	3636	.024	3571	2.130	3636	.104
4425	-.217	4425	-.147	4425	-.157	4032	-.112	3636	1.932	4032	-.302
4600	-.136	4600	-.096	4600	-.106	4167	-.105	4032	.619	4167	-.275
4750	-.094	4750	-.074	4750	-.054	4255	-.074	4167	.530	4255	-.264
5000	0.000	5000	0.000	5000	0.000	4464	-.066	4255	.425	4464	-.176
5200	.031	5200	.041	5200	.081	4566	-.040	4464	.270	4566	-.150
5400	.105	5400	.055	5400	.125	4785	-.035	4566	.209	4785	-.085
5600	.146	5600	.096	5600	.186	5000	0.000	4785	-.040	5000	0.000
5800	.192	5800	.122	5800	.232	5263	.005	5000	0.000	5263	.045
6000	.231	0	0.000	0	0.000	5400	.020	5263	-.027	5556	.137
0	0.000	0	0.000	0	0.000	5556	.047	5500	-.197	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5556	-.237	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5840	-.305	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6055	-.326	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6370	-.345	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	-.418	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	-.430	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	-.425	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	-.442	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	-.494	0	0.000

TABLE 2—Continued

27 CMA HR 2745		OMEGA CMA HR 2749		DELTA GEM HR 2777		UW CMA HR 2781		HR 2825		ETA CMA HR 2827	
B-V	-0.12	B-V	-0.17	B-V	0.34	B-V	0.34	B-V	-0.04	B-V	-0.07
SP	B3IIIFE	SP	B3IVE	SP	F0IV	SP	07F	SP	BE	SP	B5IA
BW	60	BW	60	BW	32/64	BW	60	BW	25/50	BW	50
OBS	MOR	OBS	MOR	OBS	BRK	OBS	MOR	OBS	KO	OBS	W
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.176	3300	-.006	3390	1.400	3300	-.446	3297	.090	3300	.015
3400	-.087	3400	.073	3448	1.351	3400	-.357	3390	.105	3390	.075
3500	-.080	3500	.090	3510	1.326	3500	-.310	3448	.119	3448	.069
3600	-.043	3600	.117	3570	1.281	3600	-.273	3509	.107	3509	.077
4200	-.276	4200	-.286	3636	1.215	4200	-.216	3571	.105	3571	.085
4425	-.207	4425	-.217	4032	.169	4425	-.147	3636	.655	3636	.077
4600	-.126	4600	-.146	4166	.172	4600	-.146	4032	-.146	4032	-.211
4750	-.084	4750	-.104	4257	.120	4750	-.094	4167	-.145	4167	-.185
5000	0.000	5000	0.000	4466	.061	5000	0.000	4255	-.135	4255	-.180
5200	.031	5200	.021	4566	.044	5200	.051	4464	-.075	4464	-.135
5400	.105	5400	.065	4780	.005	5400	.125	4566	-.081	4566	-.116
5600	.156	5600	.136	5100	-.015	5600	.176	4780	-.051	4785	-.070
5800	.202	5800	.262	5556	-.047	5800	.152	5000	0.000	5000	0.000
6000	.171	0	0.000	5840	-.071	6000	.231	5255	-.009	5263	.028
0	0.000	0	0.000	6056	-.068	0	0.000	5556	.028	5500	.063
0	0.000	0	0.000	6364	-.081	0	0.000	5840	.070	5556	.073
0	0.000	0	0.000	6764	-.092	0	0.000	6055	-.109	5840	.135
0	0.000	0	0.000	7100	-.084	0	0.000	6370	.120	6055	.179
0	0.000	0	0.000	7300	-.089	0	0.000	6800	.142	6370	.235
0	0.000	0	0.000	7530	-.063	0	0.000	7100	.165	6800	.272
0	0.000	0	0.000	7840	-.057	0	0.000	7530	.185	7100	.310
0	0.000	0	0.000	8080	-.063	0	0.000	7850	.208	7530	.390
0	0.000	0	0.000	8400	-.086	0	0.000	0	0.000	7850	.438
0	0.000	0	0.000	9960	-.003	0	0.000	0	0.000	8080	.446
0	0.000	0	0.000	10250	.007	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10400	.027	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10564	.036	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10830	.061	0	0.000	0	0.000	0	0.000

ETA CMA HR 2827		BETA CMI HR 2845		BETA CMI HR 2845		RHO GEM HR 2852		ALPHA CMI HR 2943		ALPHA CMI HR 2943	
B-V	-0.07	B-V	-0.09	B-V	-0.09	B-V	0.32	B-V	0.42	B-V	0.42
SP	B5IA	SP	B8V	SP	B8V	SP	F0V	SP	F5IV-V	SP	F5IV-V
BW	60	BW	50/100	BW	60	BW	48/64	BW	50	BW	50
OBS	MOR	OBS	SPO	OBS	MOR	OBS	STI	OBS	BA	OBS	W
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.054	3300	.744	3300	.713	3350	1.323	3294	1.419	3300	1.350
3400	.113	3390	.776	3400	.749	3400	1.285	3396	1.394	3390	1.375
3500	.090	3448	.763	3500	.734	3450	1.259	3492	1.332	3448	1.314
3600	.167	3509	.743	3600	.721	3500	1.222	3594	1.279	3509	1.282
4200	-.186	3570	.748	4200	-.228	3570	1.188	4026	.310	3571	1.215
4425	-.157	3636	.725	4425	-.181	3636	1.129	4172	.247	3636	1.157
4600	-.096	4036	-.249	4600	-.115	4035	.164	4418	.123	4032	.264
4750	-.074	4167	-.218	4750	-.078	4168	.131	4544	.076	4167	.220
5000	0.000	4255	-.186	5000	0.000	4255	.120	4724	.031	4255	.170
5200	-.009	4464	-.156	5200	.040	4465	.040	4954	-.007	4464	.070
5400	.045	4566	-.137	5400	.089	4565	.020	5120	-.012	4566	.034
5600	.106	4780	-.046	5600	.130	5264	-.005	5368	-.068	4785	-.010
5800	.122	5000	0.000	5800	.182	5560	-.046	5672	-.093	5000	0.000
6000	.201	5264	.126	6000	.288	5840	-.071	6014	-.122	5263	-.027
0	0.000	5556	.142	0	0.000	6054	-.060	6404	-.141	5500	-.092
0	0.000	5840	.183	0	0.000	6440	-.043	0	0.000	5556	-.102
0	0.000	6050	.220	0	0.000	6792	-.062	0	0.000	5840	-.135
0	0.000	0	0.000	0	0.000	7102	-.055	0	0.000	6055	-.136
0	0.000	0	0.000	0	0.000	7552	-.041	0	0.000	6370	-.145
0	0.000	0	0.000	0	0.000	7782	-.040	0	0.000	6800	-.188
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	-.195
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	-.180
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	-.177
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	-.209

TABLE 2—Continued

ALPHA CMI HR 2943		HR 3055		CHI CAR HR 3117		10 NGC 2516 HD 65869		NGC 2516 HD 65950		NGC 2516 BD-60 982	
B-V	0.42		-0.20		-0.19						
SP	F5IV-V		H0III		H2IV						
BW	60		50		60		50		50		50
ORS	MOR		NOR		MOR		HYL		HYL		HYL
LAMBDA	MAG.	LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.424	3390	-.348	3300	.048	3390	.825	3390	.645	3390	1.105
3400	1.410	3448	-.325	3400	.100	3448	.809	3448	.639	3448	1.089
3500	1.332	3509	-.303	3500	.099	3509	.807	3509	.637	3509	1.067
3600	1.259	3571	-.274	3600	.134	3570	.805	3570	.645	3570	1.045
4200	.226	3636	-.256	4200	-.273	3636	.767	3636	.647	3636	1.037
4425	.117	4032	-.298	4425	-.204	4036	-.147	4036	-.187	4036	-.087
4600	.056	4167	-.245	4600	-.124	4167	-.125	4167	-.165	4167	-.055
4750	.014	4255	-.234	4750	-.085	4255	-.125	4255	-.115	4255	-.075
5000	0.000	4464	-.196	5000	0.000	4464	-.075	4464	-.105	4464	-.045
5200	-.002	4566	-.130	5200	.065	4566	-.071	4566	-.091	4566	-.021
5400	-.053	4785	-.055	5400	.124	4780	-.021	4780	-.031	4780	-.021
5600	-.087	5000	0.000	5600	.176	5000	0.000	5000	0.000	5000	0.000
5800	-.142	5263	.045	5800	.230	5264	.023	5264	.093	5264	.043
0	0.000	5556	.117	6000	.350	5556	.068	5556	.108	5556	.038

15 NGC 2516 HD 65987		19 NGC 2516 HD 66137		13 NGC 2516 BD-60 947		NGC 2516 HR 3147		20 NGC 2516 HD 66259		37 NGC 2516 BD-60 985	
B-V							-0.11				
SP							R3FN				
BW	50		50		50		50		50		50
ORS	HYL		HYL		HYL		HYL		HYL		HYL
LAMBDA	MAG.	LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMRDA	MAG.
3390	.495	3390	.965	3390	.565	3390	-.105	3390	.825	3390	.855
3448	.499	3448	.949	3448	.549	3448	-.091	3448	.829	3448	.859
3509	.487	3509	.947	3509	.587	3509	-.073	3509	.767	3509	.837
3570	.495	3570	.895	3570	.555	3570	-.055	3570	.775	3570	.845
3636	.467	3636	.907	3636	.547	3636	-.043	3636	.777	3636	.817
4036	-.217	4036	-.167	4036	-.257	4036	-.277	4036	-.187	4036	-.177
4167	-.175	4167	-.125	4167	-.205	4167	-.245	4167	-.145	4167	-.125
4255	-.175	4255	-.135	4255	-.205	4255	-.225	4255	-.145	4255	-.145
4464	-.155	4464	-.085	4464	-.145	4464	-.155	4464	-.105	4464	-.105
4566	-.121	4566	-.081	4566	-.141	4566	-.161	4566	-.131	4566	-.081
4780	-.061	4780	-.041	4780	-.091	4780	-.101	4780	-.051	4780	-.031
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5264	.063	5264	.083	5264	.033	5264	.043	5264	.043	5264	.033
5556	.108	5556	.098	5556	.068	5556	.178	5556	.108	5556	.068

TABLE 2—Continued

ZETA PUP		ZETA PUP		ZETA PUP		BD +8 2015		HR 3237		HR 3265	
B-V	HR 3165	B-V	HR 3165	B-V	HR 3165			B-V	HR 3237	B-V	HR 3265
	0.26		0.26		0.26				0.12		0.30
SP	05F	SP	05F	SP	05F		G2V		B3NE		F2111
RW	50	RW	60	RW	9		49/98		60		32/64
OBS	DW	OBS	MOR	OBS	AFN		RPS		MOR		BRK
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.705	3300	-.616	3392	-.590	3300	1.754	3300	-.316	3310	1.541
3390	-.595	3400	-.527	3441	-.563	3350	1.837	3400	-.267	3390	1.561
3448	-.586	3500	-.500	3504	-.530	3400	1.656	3500	-.230	3448	1.534
3504	-.553	3600	-.403	3567	-.494	3450	1.712	3600	-.273	3510	1.486
3571	-.510	4200	-.286	3634	-.467	3500	1.534	4200	-.196	3570	1.435
3636	-.498	4425	-.237	4037	-.392	3571	1.588	4425	-.127	3636	1.373
4032	-.381	4600	-.156	4082	-.363	3636	1.375	4600	-.086	4032	.187
4167	-.330	4750	-.084	4167	-.321	4036	.581	4750	-.054	4165	.184
4255	-.295	5000	0.000	4255	-.280	4167	.472	5000	0.000	4255	.135
4464	-.235	5200	.061	4367	-.245	4255	.504	5200	.031	4465	.053
4566	-.171	5400	.125	4464	-.218	4464	.194	5400	.065	4565	.059
4785	-.085	5600	.166	4566	-.162	4566	.103	5600	.126	4780	-.027
5000	0.000	5800	.232	4673	-.127	4785	.004	5800	.162	5100	-.003
5263	.083	6000	.281	5000	0.000	5000	0.000	0	0.000	5556	-.044
5500	.143	0	0.000	5127	.039	5263	-.114	0	0.000	5850	-.042
5556	.163	0	0.000	5261	.080	5556	-.238	0	0.000	6364	-.031
5840	.250	0	0.000	5556	.162	5840	-.307	0	0.000	0	0.000
6055	.324	0	0.000	5868	.251	6056	-.350	0	0.000	0	0.000
6370	.395	0	0.000	0	0.000	6436	-.428	0	0.000	0	0.000
6800	.482	0	0.000	0	0.000	6790	-.494	0	0.000	0	0.000
7100	.520	0	0.000	0	0.000	7100	-.511	0	0.000	0	0.000
7530	.655	0	0.000	0	0.000	7550	-.522	0	0.000	0	0.000
7850	.733	0	0.000	0	0.000	7780	-.570	0	0.000	0	0.000
8080	.771	0	0.000	0	0.000	8090	-.585	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8370	-.571	0	0.000	0	0.000

HR 3265		HR 3265		OMICRON UMA		DELTA HYA		HD 73340		HR 3415	
B-V	HR 3265	B-V	HR 3265	B-V	HR 3323	B-V	HR 3410	B-V	HR 3413	B-V	HR 3415
	0.30		0.30		0.84		0.00		-0.14		-0.15
SP	F2111	SP	F2111	SP	G5 III	SP	A0V	SP	B9.5 I	SP	B3VN
RW	50	RW	50	RW	50/100	RW	60	RW	50	RW	60
OBS	D4D	OBS	D4D	OBS	SCH	OBS	MOR	OBS	HYL	OBS	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.505	6050	-.009	3300	2.020	3300	1.304	3390	.265	3300	.064
3448	1.429	6800	-.016	3390	2.175	3400	1.253	3448	.249	3400	.143
3509	1.457	7550	.078	3448	2.089	3500	1.190	3509	.257	3500	.140
3571	1.405	8080	.053	3509	1.977	3600	1.217	3570	.265	3600	.167
3636	1.287	8696	.058	3571	1.955	4200	-.206	3636	.267	4200	-.266
4036	.163	9804	.091	3636	1.727	4425	-.157	4036	-.287	4425	-.197
4167	.155	10204	.120	4036	.823	4600	-.126	4167	-.235	4600	-.126
4255	.095	10638	.201	4167	.735	4750	-.094	4255	-.215	4750	-.084
4464	.045	10752	.184	4255	.685	5000	0.000	4464	-.165	5000	0.000
4566	.039	0	0.000	4464	.325	5200	.021	4566	-.131	5200	.051
4780	-.040	0	0.000	4566	.239	5400	.075	4780	-.071	5400	.105
5000	0.000	0	0.000	4780	.039	5600	.116	5000	0.000	5600	.176
5264	-.017	0	0.000	5000	0.000	5800	.132	5264	.083	5800	.262
5556	-.072	0	0.000	5264	-.107	6000	.421	5556	.128	6000	.311
5848	-.079	0	0.000	5556	-.252	0	0.000	5840	.220	0	0.000
0	0.000	0	0.000	5840	-.350	0	0.000	6050	.289	0	0.000
0	0.000	0	0.000	6050	-.371	0	0.000	6370	.370	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.502	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.545	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7550	.656	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7874	.686	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	.721	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8400	.773	0	0.000

TABLE 2—Continued

13 IC 2391 HR 3435		12 IC 2391 HR 3440		2 IC 2391 HR 3442		11 IC 2391 HD 74169		OMICRON VEL HR 3447		OMICRON VEL HR 3447	
B-V	-0.10		-0.16		-0.15				-0.19		-0.19
SP	B9		B5		B5V				R3111		B3111
BW	50		50		50		50		50		60
OBS	HYL		HYL		HYL		HYL		HYL		MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.565	3390	.215	3390	.255	3390	.975	3390	.085	3300	.064
3448	.589	3448	.229	3448	.269	3448	.919	3448	.119	3400	.123
3509	.577	3509	.247	3509	.277	3509	.907	3509	.107	3500	.140
3570	.575	3570	.255	3570	.265	3570	.915	3570	.135	3600	.157
3636	.587	3636	.267	3636	.307	3636	.897	3636	.137	4200	-.276
4036	-.277	4036	-.277	4036	-.237	4036	-.177	4036	-.337	4425	-.207
4167	-.255	4167	-.265	4167	-.245	4167	-.145	4167	-.295	4600	-.136
4255	-.245	4255	-.255	4255	-.225	4255	-.125	4255	-.285	4750	-.094
4464	-.215	4464	-.165	4464	-.185	4464	-.125	4464	-.195	5000	0.000
4566	-.161	4566	-.141	4566	-.161	4566	-.081	4566	-.171	5200	.051
4780	-.091	4780	-.061	4780	-.051	4780	-.061	4780	-.111	5400	.105
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5600	.156
5264	.063	5264	.113	5264	.103	5264	.113	5264	.073	5800	.212
5556	.108	5556	.198	5556	.188	5556	.108	5556	.118	0	0.000
5840	.170	5840	.280	5840	.260	5840	.190	5840	.220	0	0.000
0	0.000	6050	.379	6050	.339	6050	.219	6050	.289	0	0.000
0	0.000	6370	.410	6370	.430	6370	.350	6370	.400	0	0.000
0	0.000	6800	.552	6800	.552	6800	.442	6800	.522	0	0.000
0	0.000	7100	.595	7100	.555	7100	.485	7100	.545	0	0.000
0	0.000	7550	.666	7550	.696	7550	.676	7550	.656	0	0.000
0	0.000	7874	.736	7874	.716	7874	.596	7874	.736	0	0.000
0	0.000	8080	.751	8080	.781	8080	.681	8080	.771	0	0.000
0	0.000	8400	.623	8400	.773	8400	.593	8400	.793	0	0.000

1 IC 2391 HR 3448		6 IC 2391 HD 74275		ETA HYA HR 3454		ETA HYA HR 3454		ETA HYA HR 3454		ETA HYA HD 3454	
B-V	-0.14				-0.20		-0.20		-0.20		-0.20
SP	B8IV				R3V		B3V		B3V		B3V
BW	50		50				50		50		25/50
OBS	HYL		HYL		STD		OKE		HAY		KO
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.365	3390	.985	3300	-.060	3390	-.035	3300	-.049	3297	-.070
3448	.369	3448	.989	3390	-.033	3448	-.016	3350	-.050	3390	-.025
3509	.397	3509	.977	3448	-.012	3509	.002	3400	-.035	3448	-.011
3570	.405	3570	.945	3509	-.001	3571	.025	3450	-.017	3509	.007
3636	.417	3636	.977	3571	.026	3636	.037	3500	-.015	3571	.035
4036	-.237	4036	-.207	3636	.032	4032	-.321	3571	.016	3636	.047
4167	-.235	4167	-.195	4036	-.315	4167	-.280	3636	.025	4032	-.306
4255	-.215	4255	-.195	4167	-.281	4255	-.265	4037	-.310	4167	-.275
4464	-.155	4464	-.155	4255	-.257	4464	-.190	4167	-.288	4255	-.255
4566	-.121	4566	-.131	4464	-.185	4566	-.161	4255	-.248	4464	-.175
4780	-.041	4780	-.051	4566	-.158	4785	-.085	4464	-.182	4566	-.151
5000	0.000	5000	0.000	4785	-.085	5000	0.000	4566	-.156	4780	-.081
5264	.133	5264	.083	5000	0.000	5263	.068	4786	-.087	5000	0.000
5556	.188	5556	.118	5263	.068	5556	.143	5000	0.000	5255	.071
5840	.300	0	0.000	5556	.149	5840	.220	5263	.067	5556	.148
6050	.339	0	0.000	5840	.226	0	0.000	5556	.159	5840	.230
6370	.410	0	0.000	6050	.294	0	0.000	5840	.227	6055	.299
6800	.552	0	0.000	0	0.000	0	0.000	6056	.295	6370	.360
7100	.595	0	0.000	0	0.000	0	0.000	6440	.402	6800	.442
7550	.716	0	0.000	0	0.000	0	0.000	6800	.482	7100	.505
7874	.726	0	0.000	0	0.000	0	0.000	7100	.535	7530	.595
8080	.751	0	0.000	0	0.000	0	0.000	7550	.648	7850	.538
8400	.733	0	0.000	0	0.000	0	0.000	7782	.682	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8091	.740	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8375	.758	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8711	.840	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9833	.989	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10256	1.079	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10406	1.108	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10616	1.155	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10799	1.181	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10881	1.132	0	0.000

TABLE 2—Continued

FTA HYA HR 3454		HD 74377		R IC 2391 HD 74516		49 CNC HR 3465		4 IC 2391 HR 3466		3 IC 2391 HR 3467	
B-V	-0.20						-0.11		-0.16		-0.18
SP	H3V		K3				AP		B8IV		B4IV
BW	60		50		50		20-60		50		50
OBS	MOR		WHI		HYL		AD		HYL		HYL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.056	4955	.025	3390	1.065	3200	.863	3390	.275	3390	.085
3400	.003	5311	-.166	3448	1.069	3300	.777	3448	.269	3448	.089
3500	.030	5556	-.313	3509	1.077	3390	.808	3509	.287	3509	.117
3600	.057	5747	-.398	3570	1.025	3448	.791	3570	.295	3570	.135
4200	-.276	6053	-.512	3636	1.027	3509	.773	3636	.307	3636	.167
4425	-.207	6431	-.570	4036	-.157	3571	.756	4036	-.287	4036	-.267
4600	-.136	6821	-.678	4167	-.165	3636	.729	4167	-.255	4167	-.275
4750	-.084	7102	-.735	4255	-.145	4032	-.238	4255	-.215	4255	-.255
5000	0.000	7530	-.796	4464	-.135	4167	-.179	4464	-.185	4464	-.195
5200	.051	7819	-.832	4566	-.091	4255	-.159	4566	-.141	4566	-.171
5400	.125	8065	-.869	4780	-.001	4464	-.155	4780	-.071	4780	-.051
5600	.176	8598	-.916	5000	0.000	4566	-.136	5000	0.000	5000	0.000
5800	.242	8850	-.954	5264	.103	4785	-.081	5264	.123	5264	.093
0	0.000	9950	-1.009	5556	.178	5000	0.000	5556	.148	5556	.158
0	0.000	10246	-1.021	0	0.000	5264	.133	5840	.230	5840	.270
0	0.000	10526	-1.034	0	0.000	5556	.130	6050	.279	6050	.329
0	0.000	0	0.000	0	0.000	5840	.177	6370	.370	6370	.390
0	0.000	0	0.000	0	0.000	6056	.219	6800	.512	6800	.582
0	0.000	0	0.000	0	0.000	6370	.332	7100	.555	7100	.575
0	0.000	0	0.000	0	0.000	6800	.392	7550	.656	7550	.696
0	0.000	0	0.000	0	0.000	7100	.435	7874	.686	7874	.746
0	0.000	0	0.000	0	0.000	0	0.000	8080	.771	8080	.771
0	0.000	0	0.000	0	0.000	0	0.000	8400	.773	8400	.803

3 IC 2391 HR 3467		ALPHA PYX HR 3468		ALPHA PYX HR 3468		HR 3498		M 67 FA 55		M 67 FA 81	
B-V	-0.18		-0.18		-0.18				0.30		-0.07
SP	B4IV		B2III		B2III		B2VNE		AM		B8V
BW	60		50		60		60		50		50
OBS	MOR		NOR		MOR		MOR		SAR		SAR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.064	3390	-.208	3300	-.246	3300	-.046	3390	1.575	3390	.465
3400	.123	3448	-.175	3400	-.207	3400	-.007	3448	1.519	3448	.619
3500	.100	3509	-.153	3500	-.190	3500	.010	3571	1.425	3571	.635
3600	.127	3571	-.134	3600	-.153	3600	.047	3636	1.347	3636	.597
4200	-.296	3636	-.126	4200	-.276	4200	-.276	4032	.154	4032	-.216
4425	-.217	4032	-.288	4425	-.207	4425	-.207	4255	.075	4255	-.165
4600	-.146	4167	-.245	4600	-.136	4600	-.126	4566	.019	4566	-.101
4750	-.094	4255	-.244	4750	-.094	4750	-.084	5000	0.000	5000	0.000
5000	0.000	4464	-.186	5000	0.000	5000	0.000	5556	-.052	5556	.118
5200	.031	4566	-.140	5200	.031	5200	.021	0	0.000	0	0.000
5400	.085	4785	-.075	5400	.105	5400	.125	0	0.000	0	0.000
5600	.116	5000	0.000	5600	.146	5600	.166	0	0.000	0	0.000
5800	.142	5263	.035	5800	.222	5800	.212	0	0.000	0	0.000
6000	.201	5556	.117	0	0.000	6000	.331	0	0.000	0	0.000

M 67 FA 40		M 67 FA 131		M 67 FA 153		M 67 FA 156		M 67 FA 185		M 67 FA 190	
B-V	0.50		0.41		0.13		0.11		0.30		0.24
SP	F3		F0IV		AM		A2V		A4		A8IV
BW	50		50		50		50		50		50
OBS	SAK		SAR		SAR		SAR		SAR		SAR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.695	3390	1.455	3390	1.395	3390	1.385	3390	1.525	3390	1.595
3448	1.559	3448	1.409	3448	1.409	3448	1.329	3448	1.509	3448	1.529
3571	1.485	3571	1.275	3571	1.285	3571	1.265	3571	1.415	3571	1.445
3636	1.327	3636	1.187	3636	1.237	3636	1.217	3636	1.367	3636	1.367
4032	.264	4032	.224	4032	-.096	4032	-.126	4032	.024	4032	.104
4255	.185	4255	.165	4255	-.065	4255	-.095	4255	-.005	4255	.075
4566	.089	4566	.069	4566	-.041	4566	-.051	4566	-.021	4566	.049
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5556	-.162	5556	-.132	5556	.048	5556	.058	5556	.008	5556	.018

TABLE 2—Continued

		M 67		IOTA UMA		KAPPA CNC		TAU UMA		HD 79210	
		FA 238	FA 280	HR 3569	HR 3569	HR 3623	HR 3623	HR 3624	HR 3624	K7	
B-V	0.20	0.11	0.19	0.19	0.11	0.36	0.36	0.36	0.36	K7	
SP	A3	A3V	A7V	A7V	AP	AM	AM	AM	AM	K7	
Rw	50	50	50/100	50/100	10	50	50	50	50	50	
OBS	SAR	SAR	SPO	SPO	JUS	BAO	BAO	BAO	BAO	WHI	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.525	3390	1.465	3300	1.314	3390	.625	3390	1.680	4955	.047
3448	1.469	3448	1.399	3390	1.306	3448	.609	3448	1.699	5311	-.314
3571	1.425	3571	1.355	3448	1.313	3509	.577	3509	1.632	5556	-.591
3636	1.287	3636	1.317	3509	1.273	3571	.575	3571	1.525	5747	-.796
4032	.024	4032	-.096	3570	1.258	3636	.577	3636	1.467	6053	-1.000
4255	-.015	4255	-.065	3636	1.165	4032	-.166	4032	.339	6431	-1.138
4566	-.021	4566	-.031	4036	-.039	4082	-.156	4167	.250	6821	-1.186
5000	0.000	5000	0.000	4167	-.028	4167	-.145	4255	.165	7102	-1.433
5556	-.032	5556	.068	4255	-.086	4255	-.135	4464	.045	7530	-1.704
0	0.000	0	0.000	4464	-.096	4367	-.115	4566	.029	7819	-1.750
0	0.000	0	0.000	4566	-.097	4464	-.105	4785	-.030	8065	-1.857
0	0.000	0	0.000	4780	-.036	4566	-.071	5000	0.000	8598	-1.944
0	0.000	0	0.000	5000	0.000	4673	-.076	5263	-.012	8850	-1.992
0	0.000	0	0.000	5264	-.024	4780	-.021	5556	-.082	9950	-2.147
0	0.000	0	0.000	5556	-.018	4902	.001	5882	-.065	10246	-2.179
0	0.000	0	0.000	5840	-.017	5000	0.000	6055	-.106	10526	-2.212
0	0.000	0	0.000	6050	-.000	5128	.047	6370	-.085	0	0.000
0	0.000	0	0.000	0	0.000	5263	.073	6800	-.093	0	0.000
0	0.000	0	0.000	0	0.000	5556	.088	7100	-.080	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	-.025	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	-.027	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	-.024	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8400	-.042	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8805	.026	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9700	.032	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9950	.042	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10250	.069	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10400	.074	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10800	.117	0	0.000

		ALPHA CAR		THETA HYA		THETA HYA		BETA CAR		BETA CAR	
HD 79211		HR 3659	HR 3659	HR 3665	HR 3665	HR 3665	HR 3665	HR 3685	HR 3685	HR 3685	
R-V	K7	-0.19	-0.19	-0.06	-0.06	-0.06	-0.06	0.00	0.00	0.00	
SP	A7	B2IV	B2IV	H9.5V	H9.5V	H9.5V	H9.5V	A1IV	A1IV	A1IV	
Rw	50	60	60	50	50	60	60	50	50	60	
OBS	WHI	MOR	MOR	OKE	OKE	MOR	MOR	DW	DW	MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.046	3300	-.026	3390	.965	3300	.984	3300	1.380	3300	1.372
5311	-.296	3400	.033	3448	.939	3400	1.023	3390	1.375	3400	1.369
5556	-.582	3500	.040	3509	.957	3500	.980	3448	1.334	3500	1.321
5747	-.787	3600	.067	3571	.945	3600	.967	3509	1.307	3600	1.273
6053	-.982	4200	-.276	3636	.927	4200	-.216	3571	1.295	4200	-.174
6431	-1.130	4425	-.197	4032	-.266	4425	-.177	3636	1.247	4425	-.141
6821	-1.177	4600	-.126	4167	-.225	4600	-.106	4032	-.231	4600	-.091
7102	-1.395	4750	-.074	4255	-.205	4750	-.074	4167	-.200	4750	-.054
7530	-1.655	5000	0.000	4464	-.155	5000	0.000	4255	-.180	5000	0.000
7819	-1.701	5200	.071	4566	-.131	5200	.071	4464	-.140	5200	.033
8065	-1.798	5400	.105	4785	-.070	5400	.115	4566	-.096	5400	.064
8598	-1.876	5600	.156	5000	0.000	5600	.156	4785	-.060	5600	.092
8850	-1.933	5800	.212	5263	.063	5800	.212	5000	0.000	5800	.133
9950	-2.068	6000	.311	5556	.108	0	0.000	5263	.063	6000	.175
10246	-2.111	0	0.000	5840	.170	0	0.000	5500	.083	0	0.000
10526	-2.143	0	0.000	6055	.219	0	0.000	5556	.093	0	0.000
0	0.000	0	0.000	6436	.291	0	0.000	5840	.155	0	0.000
0	0.000	0	0.000	6790	.331	0	0.000	6055	.189	0	0.000
0	0.000	0	0.000	7100	.385	0	0.000	6370	.240	0	0.000
0	0.000	0	0.000	7550	.476	0	0.000	6800	.297	0	0.000
0	0.000	0	0.000	7780	.511	0	0.000	7100	.330	0	0.000
0	0.000	0	0.000	8090	.541	0	0.000	7530	.410	0	0.000
0	0.000	0	0.000	8370	.565	0	0.000	7850	.443	0	0.000
0	0.000	0	0.000	8708	.575	0	0.000	8080	.446	0	0.000
0	0.000	0	0.000	9832	.660	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10256	.709	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10610	.738	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10796	.772	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10870	.752	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

KAPPA VEL HR 3731		KAPPA VEL HR 3734		ALPHA HYA HR 3748		THETA UMA HR 3775		11 LMI HR 3815		ZETA CHA HR 3860	
B-V	-0.19	-0.20		1.41		0.46		0.77		-0.15	
SP	R21V	B21V		K4111		F6 IV		G81V-V		B51V	
BW	9	60		30		50/100		50		60	
OBS	AFN	MOR		FSW		SCH		WHI		MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3392	-.043	3300	-.096	3500	3.778	3300	1.380	4955	.015	3300	.204
3441	-.031	3400	-.037	3571	3.863	3390	1.375	5311	-.106	3400	.243
3504	-.015	3500	-.030	3636	3.394	3448	1.359	5556	-.183	3500	.210
3567	.004	3600	-.013	4037	2.021	3509	1.307	5747	-.288	3600	.237
3634	.010	4200	-.286	4168	1.927	3571	1.275	6053	-.352	4200	-.276
4032	-.338	4425	-.207	4255	1.563	3636	1.177	6431	-.410	4425	-.227
4082	-.314	4600	-.136	4464	.796	4036	.373	6821	-.468	4600	-.146
4167	-.280	4750	-.094	4566	.525	4167	.315	7102	-.485	4750	-.104
4255	-.242	5000	0.000	4787	.152	4255	.285	7530	-.495	5000	0.000
4367	-.216	5200	.051	5000	0.000	4464	.125	7819	-.522	5200	.051
4464	-.196	5400	.115	5263	-.138	4566	.109	8065	-.549	5400	.085
4566	-.143	5600	.166	5559	-.573	4780	.024	8598	-.596	5600	.136
4673	-.115	5800	.222	5841	-.819	5000	0.000	8850	-.604	5800	.192
5000	0.000	6000	.251	6057	-.958	5264	-.027	9950	-.599	6000	.211
5127	.035	0	0.000	6439	-1.085	5556	-.112	10246	-.611	0	0.000
5261	.083	0	0.000	6793	-1.261	5840	-.170	10526	-.614	0	0.000
5556	.158	0	0.000	0	0.000	6050	-.161	0	0.000	0	0.000
5868	.239	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

HR 3886		NU UMA HR 3888		NU UMA HR 3888		HR 3925		PHI VEL HR 3940		21 LMI HR 3974	
B-V	-0.19	0.29		0.29		-0.14		-0.09		0.18	
SP	H3V	F71V		F21V		B4V		B511		A7V	
BW	60	50		50		60		60		48/64	
OBS	MOR	DAD		DAD		MOR		MOR		STI	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.016	3390	1.357	6050	-.037	3300	.244	3300	.234	3350	1.367
3400	.033	3448	1.383	6800	-.064	3400	.293	3400	.243	3400	1.328
3500	.020	3509	1.373	7550	-.020	3500	.280	3500	.240	3450	1.305
3600	.057	3571	1.329	8080	-.035	3600	.267	3600	.237	3500	1.278
4200	-.276	3636	1.266	8696	-.010	4200	-.236	4200	-.206	3570	1.244
4425	-.197	4036	.101	9804	-.007	4425	-.187	4425	-.167	3636	1.197
4600	-.126	4167	.098	10204	.022	4600	-.116	4600	-.116	4035	-.016
4750	-.094	4255	.071	10638	.083	4750	-.074	4750	-.074	4168	-.022
5000	0.000	4464	.021	10752	.136	5000	0.000	5000	0.000	4255	-.018
5200	.061	4566	.019	0	0.000	5200	.061	5200	.031	4465	-.044
5400	.125	4780	-.028	0	0.000	5400	.115	5400	.095	4565	-.051
5600	.176	5000	0.000	0	0.000	5600	.126	5600	.116	5264	.042
5800	.212	5264	-.009	0	0.000	5800	.192	5800	.172	5560	.039
6000	.141	5556	-.044	0	0.000	6000	.171	6000	.251	5840	.052
0	0.000	5848	-.029	0	0.000	0	0.000	0	0.000	6054	.082
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6440	.133
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6732	.154
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7102	.165
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7552	.213
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7782	.227

TABLE 2—Continued

HD 87884		ALPHA SEX HR 3981		ALPHA LEO HR 3982		ALPHA LEO HR 3982		ALPHA LEO HR 3982		ALPHA LEO HR 3982	
B-V	K2	A0111	-0.04	B7V	-0.11	-0.11	-0.11	-0.11	-0.11	B7V	-0.11
SP	50	60		50/100	50	50	50	50	50	50	50
RW	50	60		50/100	50	50	50	50	50	50	50
OBS	WHI	MOR		STD	SPO	OKE		OKE		HAY	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.021	3300	1.174	3390	.613	3390	.606	3390	.595	3300	.615
5311	-.140	3400	1.183	3448	.617	3448	.613	3448	.594	3350	.609
5556	-.266	3500	1.130	3509	.612	3509	.613	3509	.602	3400	.608
5747	-.362	3600	1.077	3571	.613	3571	.618	3571	.610	3450	.611
6053	-.466	4200	-.196	3636	.605	3636	.605	3636	.602	3500	.599
6431	-.524	4425	-.147	4036	-.261	4036	-.259	4032	-.256	3571	.601
6821	-.312	4600	-.106	4167	-.225	4167	-.208	4167	-.225	3636	.597
7102	-.679	4750	-.064	4255	-.201	4255	-.186	4255	-.205	4037	-.272
7530	-.719	5000	0.000	4464	-.163	4464	-.156	4464	-.160	4167	-.240
7819	-.746	5200	.041	4566	-.122	4566	-.107	4566	-.121	4255	-.212
8065	-.783	5400	.105	4785	-.065	4785	-.056	4785	-.060	4464	-.169
8598	-.850	5600	.136	5000	0.000	5000	0.000	5000	0.000	4566	-.134
8850	-.858	5800	.172	5263	.070	5264	.076	5263	.068	4786	-.078
9950	-.893	0	0.000	5556	.132	5556	.141	5556	.133	5000	0.000
10246	-.915	0	0.000	5840	.197	5840	.203	5840	.195	5263	.068
10526	-.938	0	0.000	6050	.250	6050	.250	6055	.244	5556	.132
0	0.000	0	0.000	0	0.000	0	0.000	6370	.315	5840	.193
0	0.000	0	0.000	0	0.000	0	0.000	6800	.377	6056	.251
0	0.000	0	0.000	0	0.000	0	0.000	7100	.430	6440	.349
0	0.000	0	0.000	0	0.000	0	0.000	7530	.530	6800	.415
0	0.000	0	0.000	0	0.000	0	0.000	7850	.593	7100	.464
0	0.000	0	0.000	0	0.000	0	0.000	8080	.606	7550	.552
0	0.000	0	0.000	0	0.000	0	0.000	8400	.628	7782	.597
0	0.000	0	0.000	0	0.000	0	0.000	8805	.641	8091	.641
0	0.000	0	0.000	0	0.000	0	0.000	9700	.752	8375	.651
0	0.000	0	0.000	0	0.000	0	0.000	9950	.787	8711	.665
0	0.000	0	0.000	0	0.000	0	0.000	10250	.844	9833	.790
0	0.000	0	0.000	0	0.000	0	0.000	10400	.869	10256	.870
0	0.000	0	0.000	0	0.000	0	0.000	10800	.937	10406	.899
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10616	.945
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10799	.961
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10881	.941

ALPHA LEO HR 3992		ALPHA LEO HR 3982		ALPHA LEO HR 3982		ALPHA LEO HR 3982		ALPHA LEO HR 3982		ALPHA LEO HR 3982	
B-V	-0.11	H7V	-0.11	H7V	-0.11	-0.11	-0.11	-0.11	-0.11	H7V	-0.11
SP	87V	47V	87V	87V	87V	87V	87V	87V	87V	87V	87V
RW	50	50	48/64	9	60	60	60	60	60	60	60
OBS	BA	DW	STI	AFN	MOR			MOR		JON	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3294	.618	3300	.610	3350	.624	3392	.693	3300	.590	5000	0.000
3396	.633	3390	.615	3400	.623	3441	.681	3400	.633	5060	.022
3492	.633	3448	.604	3450	.626	3504	.663	3500	.615	5263	.093
3594	.626	3509	.602	3500	.614	3567	.649	3600	.613	5560	.144
4026	-.246	3571	.610	3570	.616	3634	.627	4200	-.227	5810	.208
4172	-.214	3636	.597	3636	.612	4032	-.282	4425	-.178	5882	.245
4418	-.169	4032	-.271	4035	-.257	4082	-.262	4600	-.109	6050	.283
4544	-.125	4167	-.240	4168	-.225	4167	-.233	4750	-.077	6370	.350
4724	-.071	4255	-.230	4255	-.197	4255	-.205	5000	0.000	6670	.383
4954	-.009	4464	-.165	4465	-.154	4367	-.183	5200	.053	6800	.402
5120	.041	4566	-.136	4565	-.119	4464	-.168	5400	.099	7100	.465
5368	.093	4785	-.065	5264	.083	4566	-.123	5600	.141	7460	.546
5672	.160	5000	0.000	5560	.149	4673	-.098	5800	.197	7530	.550
6014	.249	5263	.053	5840	.208	5000	0.000	6000	.258	7850	.608
6404	.317	5500	.103	6054	.266	5127	.029	0	0.000	8000	.643
0	0.000	5556	.118	6440	.364	5261	.060	0	0.000	8080	.631
0	0.000	5840	.200	6792	.428	5556	.125	0	0.000	8400	.633
0	0.000	6055	.254	7102	.479	5868	.197	0	0.000	8750	.794
0	0.000	6370	.315	7552	.567	0	0.000	0	0.000	8805	.646
0	0.000	6800	.387	7782	.612	0	0.000	0	0.000	9190	.710
0	0.000	7100	.440	0	0.000	0	0.000	0	0.000	9700	.747
0	0.000	7530	.550	0	0.000	0	0.000	0	0.000	9950	.767
0	0.000	7850	.603	0	0.000	0	0.000	0	0.000	10000	.774
0	0.000	8080	.626	0	0.000	0	0.000	0	0.000	10250	.804
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.849
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10550	.853
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10800	.852

TABLE 2—Continued

ALPHA LEO				HD 88230				36 ZETA LEO			
HR 3992				HD 88230				HR 4023			
B-V	-0.11	HR 3990	-0.14	K7		K7		0.05		HR 4031	
SP	B7V	B2V		K7		K7		A2V		F0III	
Bw	60	60		S0		S0		60		40/80	
OBS	KHA	MOR		FSW		WHI		MOR		DP	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.581	3300	.094	3636	2.554	4955	.044	3300	1.324	3509	1.513
3400	.560	3400	.113	4037	1.536	5311	-.267	3400	1.323	3571	1.488
3500	.559	3500	.110	4168	1.189	5556	-.583	3500	1.250	3636	1.445
3600	.558	3600	.137	4255	1.263	5747	-.789	3600	1.217	4032	.116
3700	.509	4200	-.226	4464	.420	6053	-.963	4200	-.146	4167	.142
4036	-.290	4425	-.177	4566	.077	6431	-1.101	4425	-.127	4255	.074
4221	-.236	4600	-.116	4787	.111	6821	-1.159	4600	-.076	4464	.024
4500	-.157	4750	-.094	5000	0.000	7102	-1.336	4750	-.054	4566	.013
4600	-.120	5000	0.000	5263	-.350	7530	-1.556	5000	0.000	4785	-.056
4700	-.098	5200	.051	5559	-.851	7819	-1.602	5200	.061	5000	0.000
4861	-.047	5400	.115	5841	-1.084	8065	-1.690	5400	.065	5263	-.014
5000	0.000	5600	.146	6057	-1.146	8598	-1.747	5600	.106	5556	-.088
5150	.044	5800	.182	6439	-1.381	8850	-1.795	5800	.162	5848	-.107
5300	.095	6000	.251	6793	-1.417	9950	-1.930	6000	.231	6061	-.120
5500	.158	0	0.000	0	0.000	10246	-1.982	0	0.000	6452	-.079
5700	.221	0	0.000	0	0.000	10526	-2.005	0	0.000	6803	-.073
5850	.252	0	0.000	0	0.000	0	0.000	0	0.000	7092	-.071
6000	.283	0	0.000	0	0.000	0	0.000	0	0.000	7519	-.033
6200	.295	0	0.000	0	0.000	0	0.000	0	0.000	7752	.020
6400	.310	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6500	.319	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6600	.298	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6700	.287	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6800	.308	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7000	.352	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.387	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7200	.477	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

ZETA LEO		LAMBDA UMA		RETA SEX		RHO LEO		RHO LEO		HR 4140	
HR 4031		HR 4033		HR 4119		HR 4133		HR 4133			
B-V	0.31	0.03		-0.14		-0.14		-0.14			
SP	F0 III	A2IV		B6V		B1B		B1B		B5VE	
Bw	50/100	50/100		S0		48/64		60		60	
OBS	SCH	SPO		WKH		KUB		MOR		MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.660	3300	1.314	3300	.332	3400	-.315	3300	-.326	3300	.014
3390	1.655	3390	1.346	3350	.308	3450	-.295	3400	-.257	3400	.093
3448	1.589	3448	1.323	3400	.323	3500	-.274	3500	-.250	3500	.100
3509	1.587	3509	1.333	3450	.333	3560	-.276	3600	-.223	3600	.117
3571	1.555	3570	1.258	3500	.327	3670	-.247	4200	-.246	4200	-.226
3636	1.447	3636	1.235	3550	.353	4050	-.319	4425	-.197	4425	-.167
4036	.163	4036	-.169	3570	.354	4170	-.284	4600	-.116	4600	-.116
4167	.155	4167	-.138	3636	.357	4230	-.267	4750	-.094	4750	-.084
4255	.095	4255	-.116	4032	-.288	4300	-.269	5000	0.000	5000	0.000
4464	.055	4464	-.106	4167	-.364	4440	-.204	5200	.021	5200	.021
4566	.039	4566	-.077	4255	-.231	4510	-.198	5400	.085	5400	.115
4780	-.001	4780	-.006	4466	-.173	4580	-.160	5600	.116	5600	.116
5000	0.000	5000	0.000	4566	-.149	4615	-.111	5800	.202	5800	.192
5264	.013	5264	.086	4780	-.089	4680	-.092	0	0.000	0	0.000
5556	-.022	5556	.092	5000	0.000	4785	-.095	0	0.000	0	0.000
5840	-.050	5840	.143	5263	.094	5000	0.000	0	0.000	0	0.000
6050	-.061	6050	.190	5556	.185	5260	.005	0	0.000	0	0.000
0	0.000	0	0.000	5840	.180	5560	.098	0	0.000	0	0.000
0	0.000	0	0.000	6056	.252	5840	.159	0	0.000	0	0.000
0	0.000	0	0.000	6436	.343	6050	.203	0	0.000	0	0.000
0	0.000	0	0.000	6800	.447	6370	.280	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.342	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.414	0	0.000	0	0.000

TABLE 2—Continued

FEIGE 34		FEIGE 34		10 IC 2602		12 IC 2602		15 IC 2602		THETA CAR	
B-V	-0.30	B-V	-0.30	HR 4185	-0.17	HD 92783		HR 4196	-0.14	HR 4199	-0.22
SP	SD0	SP	SD0	A0SI				B3V	09.5V		09.5V
BW	49/98	BW	50	50				50	50		50
ORS	RPS	ORS	SS	HYL				HYL	HYL		HYL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.746	3390	-.675	3390	.175	3390	.835	3390	.205	3390	-.425
3350	-.693	3448	-.651	3448	.159	3448	.829	3448	.199	3448	-.411
3400	-.684	3571	-.585	3509	.177	3509	.807	3509	.227	3509	-.383
3450	-.658	3636	-.573	3570	.195	3570	.815	3570	.245	3570	-.345
3500	-.656	4032	-.436	3636	.207	3636	.787	3636	.237	3636	-.323
3571	-.602	4255	-.335	4036	-.307	4036	-.237	4036	-.307	4036	-.347
3636	-.585	4566	-.211	4167	-.265	4167	-.215	4167	-.285	4167	-.305
4036	-.469	5000	0.000	4255	-.235	4255	-.215	4255	-.285	4255	-.295
4167	-.388	5556	.198	4464	-.195	4464	-.155	4464	-.145	4464	-.195
4255	-.336	0	0.000	4566	-.151	4566	-.141	4566	-.151	4566	-.161
4464	-.276	0	0.000	4780	-.071	4780	-.071	4780	-.101	4780	-.101
4566	-.207	0	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
4785	-.086	0	0.000	5264	.093	5264	.043	5264	.073	5264	.073
5000	0.000	0	0.000	5556	.148	5556	.088	5556	.148	5556	.158
5263	.106	0	0.000	5840	.230	0	0.000	0	0.000	5840	.290
5556	.192	0	0.000	6050	.259	0	0.000	0	0.000	6050	.379
5840	.313	0	0.000	6370	.410	0	0.000	0	0.000	6370	.460
6056	.400	0	0.000	6800	.482	0	0.000	0	0.000	6800	.582
6436	.512	0	0.000	7100	.495	0	0.000	0	0.000	7100	.655
6790	.596	0	0.000	7550	.656	0	0.000	0	0.000	7550	.756
7100	.679	0	0.000	7874	.706	0	0.000	0	0.000	7874	.796
7550	.818	0	0.000	8080	.691	0	0.000	0	0.000	8080	.781
8090	.895	0	0.000	8400	.603	0	0.000	0	0.000	8400	.773
8370	.879	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

THETA CAR		21 IC 2602		21 IC 2602		MU VEL		26 IC 2602		27 IC 2602	
B-V	-0.22	HR 4199	-0.14	HR 4205	-0.14	HR 4216	0.90	HR 4219	-0.10	HR 4220	-0.08
SP	09.5V	B5VN	B5VN	B5VN	B5VN	G511I	B7 V	B7 V	B8	B8	B8
BW	60	50	60	60	60	50	50	50	50	50	50
ORS	MOR	HYL	HYL	MOR	MOR	SEG	HYL	HYL	HYL	HYL	HYL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.466	3390	.185	3300	.104	5556	-.270	3390	.375	3390	.375
3400	-.377	3448	.199	3400	.163	5840	-.408	3448	.349	3448	.349
3500	-.350	3509	.187	3500	.180	6055	-.494	3509	.367	3509	.367
3600	-.313	3570	.215	3600	.207	6370	-.486	3570	.375	3570	.375
4200	-.276	3636	.227	4200	-.266	6800	-.594	3636	.367	3636	.367
4425	-.207	4036	-.257	4425	-.197	7100	-.613	4036	-.257	4036	-.257
4600	-.126	4167	-.245	4600	-.106	7530	-.660	4167	-.235	4167	-.235
4750	-.094	4255	-.245	4750	-.064	7850	-.730	4255	-.235	4255	-.235
5000	0.000	4464	-.175	5000	0.000	8080	-.693	4464	-.155	4464	-.155
5200	.051	4566	-.151	5200	.051	8400	-.820	4566	-.151	4566	-.151
5400	.125	4780	-.081	5400	.115	8805	-.731	4780	-.091	4780	-.091
5600	.176	5000	0.000	5600	.166	9700	-.754	5000	0.000	5000	0.000
5800	.232	5264	.063	5800	.202	9950	-.816	5264	.053	5264	.053
0	0.000	5556	.138	6000	.211	10250	-.818	5556	.098	5556	.098
0	0.000	5840	.230	0	0.000	10400	-.820	0	0.000	0	0.000
0	0.000	6050	.279	0	0.000	10800	-.848	0	0.000	0	0.000
0	0.000	6370	.360	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.462	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.515	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7550	.626	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7874	.646	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.621	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8400	.583	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

27 IC 2602		29 IC 2602		32 IC 2602		BETA UMA		FEIGE 36		60 LEO	
HR 4220		HR 4222		HD 93738		HR 4295				HR 4300	
B-V	-0.08	B-V	-0.15				-0.02		-0.25		0.06
SP	B8	SP	B3IV				A1V		SDB		A1M
BW	60	BW	50		50		50/100		50		50
ORS	MOR	ORS	HYL		HYL		SPO		SS		B&O
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.394	3390	.065	3390	.955	3300	1.184	3390	-.275	3390	1.220
3400	.383	3448	.069	3448	.959	3390	1.216	3448	-.261	3448	1.199
3500	.380	3509	.097	3509	.917	3448	1.193	3509	-.273	3509	1.182
3600	.377	3570	.125	3570	.885	3509	1.163	3571	-.175	3571	1.165
4200	-.186	3636	.127	3636	.857	3570	1.158	3636	-.173	3636	1.117
4425	-.157	4036	-.277	4036	-.187	3636	1.115	4032	-.296	4032	-.131
4600	-.096	4167	-.275	4167	-.165	4036	-.209	4167	-.295	4167	-.090
4750	-.064	4255	-.265	4255	-.175	4167	-.168	4255	-.265	4255	-.095
5000	0.000	4464	-.175	4464	-.115	4255	-.176	4464	-.205	4464	-.115
5200	.071	4566	-.151	4566	-.111	4464	-.156	4566	-.151	4566	-.061
5400	.115	4780	-.091	4780	-.071	4566	-.097	4780	-.091	4785	-.050
5600	.126	5000	0.000	5000	0.000	4780	-.036	5000	0.000	5000	0.000
5800	.212	5264	.073	5264	.043	5000	0.000	5263	.053	5263	.058
6000	.281	5556	.158	5556	.068	5264	.056	5556	.188	5556	.058
0	0.000	5440	.250	0	0.000	5556	.102	0	0.000	5882	.095
0	0.000	6050	.329	0	0.000	5840	.153	0	0.000	6055	.104
0	0.000	6370	.390	0	0.000	6050	.210	0	0.000	6370	.135
0	0.000	6800	.482	0	0.000	0	0.000	0	0.000	6800	.167
0	0.000	7100	.615	0	0.000	0	0.000	0	0.000	7100	.210
0	0.000	7550	.688	0	0.000	0	0.000	0	0.000	7530	.275
0	0.000	7874	.736	0	0.000	0	0.000	0	0.000	7850	.313
0	0.000	8080	.641	0	0.000	0	0.000	0	0.000	8080	.336
0	0.000	8400	.623	0	0.000	0	0.000	0	0.000	8400	.338
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8805	.336
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9700	.382
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9950	.392
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10250	.439
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.454
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10800	.497

ALPHA UMA		ALPHA UMA		DELTA LEO		DELTA LEO		THETA LEO		THETA LEO	
HR 4301		HR 4301		HR 4357		HR 4357		HR 4359		HR 4359	
B-V	1.06	B-V	1.06		0.13		0.13		-0.02		-0.02
SP	K0II-III	SP	K0II-III		A4V		A4V		A2V		A2V
BW	30	BW	50		50/100		48/64		50/100		48/64
ORS	FSW	ORS	WHI		SPO		STI		SPO		STI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	2.562	4355	-.024	3300	1.424	3350	1.420	3300	1.304	3350	1.283
3450	2.673	5311	-.157	3390	1.456	3400	1.381	3390	1.316	3400	1.254
3500	2.495	5556	-.304	3448	1.413	3450	1.359	3448	1.283	3450	1.252
3571	2.711	5747	-.399	3509	1.373	3500	1.330	3509	1.253	3500	1.228
3636	2.179	6053	-.523	3570	1.338	3570	1.305	3570	1.228	3570	1.204
4037	1.109	6431	-.591	3636	1.295	3636	1.253	3636	1.185	3636	1.161
4168	1.153	6821	-.709	4036	-.079	4035	-.096	4036	-.189	4035	-.216
4255	.846	7102	-.726	4167	-.058	4168	-.084	4167	-.168	4168	-.184
4464	.456	7530	-.797	4255	-.066	4255	-.066	4255	-.146	4255	-.152
4566	.306	7819	-.863	4464	-.086	4465	-.087	4464	-.146	4465	-.141
4787	.052	8065	-.850	4566	-.037	4565	-.068	4566	-.097	4565	-.086
5000	0.000	8598	-.907	4780	.014	5264	.060	4780	-.041	5264	.073
5263	-.085	8850	-.935	5000	0.000	5560	.072	5000	0.000	5560	.120
5559	-.376	9950	-1.020	5264	.046	5840	.089	5264	.066	5840	.168
5841	-.542	10246	-1.052	5556	.042	6054	.138	5556	.102	6054	.215
6057	-.605	10526	-1.075	5840	.053	6440	.193	5840	.123	6440	.289
6439	-.673	0	0.000	6050	.090	6792	.229	6050	.190	6792	.349
6793	-.769	0	0.000	0	0.000	7102	.252	0	0.000	7102	.390
0	0.000	0	0.000	0	0.000	7552	.305	0	0.000	7552	.469
0	0.000	0	0.000	0	0.000	7782	.317	0	0.000	7782	.487

TABLE 2—Continued

THETA LEO HR 4359		PHI LEO HR 4368		78 IOTA LEO HR 4399		HR 4406		HR 4415		THETA CRT HR 4468	
B-V	-0.02	0.22	0.41	0.06						-0.08	
SP	A2V	A7III	F2IV	B3III				B5IV		B9.5VN	
BW	60	60	40/80	60				60			
OBS	MOR	MOR	DP	MOR				MOR			STD
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.484	3300	1.674	3509	1.333	3300	.304	3300	.324	3300	.940
3400	1.463	3400	1.663	3571	1.318	3400	.313	3400	.343	3390	.935
3500	1.370	3500	1.540	3636	1.245	3500	.290	3500	.300	3448	.922
3600	1.297	3600	1.457	4032	.246	3600	.307	3600	.327	3509	.914
4200	-.136	4200	.004	4167	.212	4200	-.146	4200	-.196	3571	.908
4425	-.107	4425	-.027	4255	.164	4425	-.097	4425	-.137	3636	.892
4600	-.076	4600	-.036	4464	.064	4600	-.056	4600	-.086	4036	-.241
4750	-.054	4750	-.034	4566	.063	4750	-.044	4750	-.064	4167	-.207
5000	0.000	5000	0.000	4785	-.016	5000	0.000	5000	0.000	4255	-.181
5200	.051	5200	.041	5000	0.000	5200	.011	5200	.051	4464	-.147
5400	.075	5400	.035	5263	-.034	5400	.055	5400	.065	4566	-.107
5600	.116	5600	.026	5556	-.078	5600	.056	5600	.136	4785	-.061
5800	.162	5800	.022	5848	-.137	5800	.072	5800	.152	5000	0.000
0	0.000	0	0.000	6061	-.130	6000	.061	0	0.000	5263	.065
0	0.000	0	0.000	6452	-.169	0	0.000	0	0.000	5556	.127
0	0.000	0	0.000	6803	-.193	0	0.000	0	0.000	5840	.191
0	0.000	0	0.000	7092	-.171	0	0.000	0	0.000	6050	.239
0	0.000	0	0.000	7519	-.143	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7752	-.140	0	0.000	0	0.000	0	0.000

THETA CRT HR 4468		THETA CRT HR 4468		THETA CRT HR 4468		THETA CRT HR 4468		THETA CRT HR 4468		OMEGA VIR HR 4483	
B-V	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08	-0.08		
SP	B9.5VN	B9.5VN	B9.5VN	B9.5VN	B9.5VN	B9.5VN	B9.5VN	B9.5VN	B9.5VN		GM6
BW	50	50/100	50	50	9	30/60					30
OBS	OKE	SPO	HAY	HAY	AFN	WOL					FSW
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.940	3390	.946	3300	.939	3392	.936	5260	.050	3500	3.208
3448	.914	3448	.923	3350	.939	3441	.926	5550	.105	3571	3.272
3509	.927	3509	.923	3400	.927	3504	.924	5800	.155	3636	2.749
3571	.920	3571	.918	3450	.925	3567	.919	6060	.216	4037	1.395
3636	.902	3636	.895	3500	.906	3634	.904	6370	.288	4168	.942
4032	-.231	4036	-.239	3571	.899	4032	-.263	6800	.339	4255	.906
4167	-.200	4167	-.198	3636	.890	4082	-.235	7110	.392	4464	.384
4255	-.185	4255	-.186	4037	-.238	4167	-.202	7530	.492	4566	.053
4464	-.135	4464	-.146	4167	-.216	4255	-.172	7850	.525	4787	.123
4566	-.101	4566	-.107	4255	-.174	4367	-.152	8080	.558	5000	0.000
4785	-.055	4780	-.056	4464	-.147	4464	-.141	8400	.570	5263	-.775
5000	0.000	5000	0.000	4566	-.106	4566	-.104	8800	.564	5559	-1.021
5263	.078	5264	.076	4786	-.066	4673	-.086	0	0.000	5841	-1.130
5556	.143	5556	.142	5000	0.000	5000	0.000	0	0.000	6057	-1.455
5840	.220	5840	.223	5263	.061	5127	.026	0	0.000	6439	-2.007
0	0.000	0	0.000	5556	.137	5261	.058	0	0.000	6793	-1.906
0	0.000	0	0.000	5840	.176	5556	.122	0	0.000	0	0.000
0	0.000	0	0.000	6056	.242	5868	.193	0	0.000	0	0.000
0	0.000	0	0.000	6440	.339	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6800	.403	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.440	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7550	.531	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7782	.574	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8091	.608	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8375	.605	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8711	.629	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	9833	.701	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10256	.813	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10406	.845	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10616	.895	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10799	.908	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10881	.853	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 101501		BETA LEO		BETA LEO		BETA LEO		BETA LEO		BETA LEO	
HR 4496		HR 4534		HR 4534		HR 4534		HR 4534		HR 4534	
B-V	0.72	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08
SP	G8V	A3V	A3V	A3V	A3V	A3V	A3V	A3V	A3V	A3V	A3V
BW	50		50	50/100	50	50/100	50	50	50	48/64	48/64
OBS	WHI	STD	BA	SPO	SPO	SPO	OW	OW	OW	STI	STI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.016	3300	1.347	3294	1.359	3300	1.334	3300	1.355	3350	1.332
5311	-.125	3390	1.342	3396	1.339	3390	1.346	3390	1.345	3400	1.301
5556	-.182	3448	1.313	3492	1.297	3448	1.323	3448	1.299	3450	1.284
5747	-.257	3509	1.286	3594	1.273	3509	1.293	3509	1.267	3500	1.268
6053	-.311	3571	1.274	4026	-.092	3570	1.288	3571	1.260	3570	1.242
6431	-.349	3636	1.217	4172	-.087	3636	1.225	3636	1.202	3636	1.193
6821	-.417	4036	-.106	4418	-.093	4036	-.109	4032	-.111	4035	-.119
7102	-.444	4167	-.099	4544	-.070	4167	-.098	4167	-.105	4168	-.101
7530	-.455	4255	-.099	4724	-.046	4255	-.096	4255	-.110	4255	-.090
7819	-.481	4464	-.103	4954	-.004	4464	-.106	4464	-.105	4465	-.107
8065	-.508	4566	-.069	5120	.023	4566	-.067	4566	-.071	4565	-.088
8598	-.535	4785	-.039	5368	.053	4780	-.016	4785	-.040	5264	.061
8850	-.533	5000	0.000	5672	.095	5000	0.000	5000	0.000	5560	.105
9950	-.548	5264	.046	6014	.147	5264	.056	5263	.043	5840	.146
10246	-.530	5556	.068	6404	.182	5556	.072	5500	.048	6054	.198
10526	-.533	5840	.102	0	0.000	5840	.083	5556	.063	6440	.263
0	0.000	6050	.136	0	0.000	6050	.120	5840	.110	6792	.293
0	0.000	0	0.000	0	0.000	0	0.000	6055	.144	7102	.287
0	0.000	0	0.000	0	0.000	0	0.000	6370	.185	7552	.349
0	0.000	0	0.000	0	0.000	0	0.000	6800	.222	7782	.365
0	0.000	0	0.000	0	0.000	0	0.000	7100	.260	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	.335	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7850	.363	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8080	.371	0	0.000

HR 4537		BETA VIR		HD 103095		GAMMA UMA		GAMMA UMA		95 LEO	
HR 4537		HR 4540		HR 4550		HR 4554		HR 4554		HR 4564	
B-V	0.16	0.55	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.10
SP	F8VNE	F8V	G8V1	A0V	A0V	A0V	A0V	A0V	A0V	A3V	A3V
BW	60	48/64	50	50/100	50/100	50/100	50/100	50/100	50/100	30/60	30/60
OBS	MUR	STI	WHI	SPO	SPO	SPO	SPO	SPO	SPO	KHA	WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.134	3350	1.544	4955	.017	3300	1.244	3300	1.447	5260	.014
3400	.183	3400	1.459	5311	-.114	3390	1.256	3400	1.369	5550	.030
3500	.170	3450	1.485	5556	-.220	3448	1.243	3500	1.309	5800	.049
3600	.197	3500	1.421	5747	-.295	3509	1.223	3600	1.253	6060	.070
4200	-.276	3570	1.377	6053	-.360	3570	1.208	3700	1.132	6370	.122
4425	-.247	3636	1.277	6431	-.448	3636	1.175	4036	-.159	6800	.154
4600	-.126	4036	.436	6821	-.515	4036	-.199	4221	-.116	7110	.177
4750	-.084	4168	.355	7102	-.573	4167	-.178	4500	-.099	7530	.247
5000	0.000	4255	.351	7530	-.593	4255	-.166	4600	-.075	7850	.280
5200	.051	4465	.142	7819	-.619	4464	-.146	4700	-.058	8080	.293
5400	.115	4565	.086	8065	-.667	4566	-.097	4861	-.024	8400	.284
5600	.166	5264	-.048	8598	-.704	4780	-.026	5000	0.000	8800	.248
5800	.202	5560	-.146	8850	-.721	5000	0.000	5150	.018	0	0.000
6000	.241	5840	-.201	9950	-.747	5264	.066	5300	.045	0	0.000
0	0.000	6054	-.211	10246	-.749	5556	.102	5500	.075	0	0.000
0	0.000	6440	-.231	10526	-.751	5840	.153	5700	.132	0	0.000
0	0.000	6792	-.272	0	0.000	6050	.200	5850	.169	0	0.000
0	0.000	7102	-.291	0	0.000	0	0.000	6000	.199	0	0.000
0	0.000	7552	-.290	0	0.000	0	0.000	6200	.211	0	0.000
0	0.000	7782	-.312	0	0.000	0	0.000	6400	.244	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6500	.264	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6600	.258	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6700	.261	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.253	0	0.000

TABLE 2—Continued

HR 4573		HD 104556		FEIGE 56		HR 4618		DELTA CEN HR 4621		RHO CEN HR 4638	
B-V	-0.16				-0.12		-0.17				-0.16
SP	R3V		G8		RW		B6III		B2VPE		B4V
BW	60		50		50		60		60		60
OBS	MOR		WHI		SS		MOR		MOR		MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.044	4955	.023	3390	.405	3300	.014	3300	-.286	3300	.104
3400	.043	5311	-.169	3448	.369	3400	.073	3400	-.217	3400	.163
3500	.080	5556	-.265	3509	.377	3500	.070	3500	-.230	3500	.140
3600	.127	5747	-.350	3571	.405	3600	.107	3600	-.203	3600	.177
4200	-.286	6053	-.415	3636	.387	4200	-.236	4200	-.236	4200	-.276
4425	-.207	6431	-.503	4032	-.176	4425	-.197	4425	-.187	4425	-.207
4600	-.136	6821	-.590	4167	-.165	4600	-.126	4600	-.106	4600	-.116
4750	-.104	7102	-.638	4255	-.145	4750	-.094	4750	-.074	4750	-.074
5000	0.000	7530	-.658	4464	-.115	5000	0.000	5000	0.000	5000	0.000
5200	.061	7819	-.704	4566	-.061	5200	.111	5200	.031	5200	.051
5400	.105	8065	-.742	4780	-.031	5400	.135	5400	.085	5400	.105
5600	.166	8598	-.799	5000	0.000	5600	.206	5600	.126	5600	.166
5800	.222	8850	-.796	5263	.073	5800	.262	5800	.192	5800	.212
6000	.331	9950	-.841	5556	.098	6000	.411	6000	.241	6000	.291
0	0.000	10246	-.864	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10526	-.876	0	0.000	0	0.000	0	0.000	0	0.000

DELTA CRU HR 4656		DELTA UMA HR 4660		GAMMA CRV HR 4662		GAMMA CRV HR 4662		COMA TR 60 HR 4684		ETA VIR HR 4689	
B-V	-0.24		0.08		-0.11		-0.11		0.18		0.02
SP	B2IV		A3V		B8III		B8III		A5V		A2V
BW	60		50/100		50		60		32/64		30/60
OBS	MOR		SPO		DW		MOR		BRK		WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.336	3300	1.344	3300	.595	3300	.684	3320	1.469	5260	.041
3400	-.287	3390	1.356	3390	.640	3400	.723	3370	1.458	5550	.086
3500	-.270	3448	1.313	3448	.624	3500	.710	3420	1.435	5800	.126
3600	-.203	3509	1.293	3509	.627	3600	.677	3470	1.396	6060	.177
4200	-.306	3570	1.258	3571	.615	4200	-.196	3520	1.369	6370	.239
4425	-.227	3636	1.225	3636	.612	4425	-.147	3570	1.356	6800	.280
4600	-.136	4032	-.129	4032	-.281	4600	-.086	3620	1.324	7110	.333
4750	-.094	4167	-.098	4167	-.245	4750	-.054	4032	.022	7530	.404
5000	0.000	4255	-.146	4255	-.225	5000	0.000	4165	.006	7850	.446
5200	.051	4464	-.126	4464	-.165	5200	.071	4255	-.004	8080	.459
5400	.095	4566	-.127	4566	-.126	5400	.085	4465	-.046	8400	.481
5600	.186	4780	-.016	4785	-.060	5600	.156	4565	-.019	8800	.455
5800	.242	5000	0.000	5000	0.000	5800	.192	4785	-.034	0	0.000
6000	.341	5264	.066	5263	.073	0	0.000	5100	.008	0	0.000
0	0.000	5556	.092	5500	.118	0	0.000	5556	.047	0	0.000
0	0.000	5840	.103	5556	.133	0	0.000	5840	.029	0	0.000
0	0.000	6050	.160	5840	.210	0	0.000	6056	.073	0	0.000
0	0.000	0	0.000	6055	.264	0	0.000	6364	.111	0	0.000
0	0.000	0	0.000	6370	.315	0	0.000	6764	.152	0	0.000
0	0.000	0	0.000	6800	.387	0	0.000	7100	.174	0	0.000
0	0.000	0	0.000	7100	.425	0	0.000	7300	.195	0	0.000
0	0.000	0	0.000	7530	.520	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7850	.568	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	8080	.586	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

ETA VIR		HR 4694		4 CVN		4 CVN		ALPHA CRU		17 COM	
HR 4689		HR 4694		HR 4715		HR 4715		HR 4730		HR 4752	
B-V	0.02		0.30		0.33		0.33		-0.25		-0.05
SP	A2V		F0IV		F0		F0		B1IV		A 5I
BW	10		32/64		50		50		9		30/60
OBS	JUS		BRK		DAD		DAD		AFN		WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.465	3320	1.484	3390	1.575	6050	-.051	3392	-.399	5260	.023
3448	1.419	3370	1.483	3448	1.529	6800	-.088	3441	-.376	5550	.049
3509	1.357	3420	1.441	3509	1.517	7550	-.034	3504	-.348	5800	.068
3571	1.305	3470	1.401	3571	1.448	8080	-.069	3567	-.316	6060	.109
3636	1.267	3520	1.375	3636	1.370	8696	-.064	3634	-.287	6370	.171
4032	-.146	3620	1.310	4036	.106	9804	-.041	4032	-.393	6800	.243
4082	-.136	4032	.177	4167	.182	10204	-.012	4082	-.363	7110	.286
4167	-.125	4165	.131	4255	.135	10638	.059	4167	-.316	7530	.376
4255	-.115	4255	.101	4464	.062	10752	.092	4255	-.276	7850	.419
4367	-.115	4465	.040	4566	.049	0	0.000	4367	-.243	8080	.452
4464	-.115	4565	.025	4780	-.020	0	0.000	4464	-.217	8400	.463
4566	-.081	4785	-.020	5000	0.000	0	0.000	4566	-.163	8800	.477
4673	-.056	5100	-.007	5264	-.020	0	0.000	4673	-.130	0	0.000
4780	-.051	5556	-.018	5556	-.089	0	0.000	5000	0.000	0	0.000
4902	-.019	5840	-.076	5848	-.086	0	0.000	5127	.040	0	0.000
5000	0.000	6056	-.042	0	0.000	0	0.000	5261	.085	0	0.000
5128	.027	6364	-.023	0	0.000	0	0.000	5556	.178	0	0.000
5263	.033	6764	-.008	0	0.000	0	0.000	5868	.276	0	0.000
5556	-.078	7100	-.006	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7300	-.004	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7530	.031	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7840	.023	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.040	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8400	.013	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9960	.077	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10250	.174	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10400	.164	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10564	.125	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10830	.138	0	0.000	0	0.000	0	0.000	0	0.000

21 COM		FEIGE 65		HD 109011		RETA CVN		HD 110066		HD 110066	
HR 4766		FEIGE 65		HD 109011		HR 4785		HR 4816		HR 4816	
B-V	0.05		-0.23				0.59		0.05		0.05
SP	AP		S0B		K2		60 V		AP		AP
BW	30/60		50		50				20-60		30/60
OBS	WOL		SS		WHI		JAN		AD		WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
5260	.014	3390	-.235	4955	.023	5000	0.000	3200	1.246	5260	-.022
5550	.030	3448	-.231	5311	-.158	5263	-.057	3300	1.241	5550	-.046
5800	.049	3509	-.193	5556	-.294	5560	-.206	3390	1.273	5800	-.037
6060	.100	3571	-.155	5747	-.419	5882	-.255	3448	1.260	6060	-.006
6370	.152	3636	-.153	6053	-.504	6050	-.257	3509	1.166	6370	.056
6800	.194	4032	-.296	6431	-.562	6370	-.300	3571	1.177	6800	.098
7110	.247	4167	-.275	6821	-.659	6800	-.348	3636	1.130	7110	.151
7530	.327	4255	-.235	7102	-.717	7100	-.395	4032	-.123	7530	.241
7850	.365	4464	-.185	7530	-.777	7530	-.370	4167	-.045	7850	.284
8080	.383	4566	-.121	7819	-.813	7850	-.402	4255	-.039	8080	.317
8400	.394	4780	-.051	8065	-.861	8080	-.419	4464	-.075	8400	.358
8800	.388	5000	0.000	8598	-.888	8400	-.457	4566	-.077	8800	.362
0	0.000	5263	.123	8850	-.895	9700	-.523	4785	-.076	0	0.000
0	0.000	5556	.148	9950	-.961	9950	-.433	5000	0.000	0	0.000
0	0.000	0	0.000	10246	-.973	10250	-.416	5264	.126	0	0.000
0	0.000	0	0.000	10526	-.975	10400	-.401	5556	.103	0	0.000
0	0.000	0	0.000	0	0.000	10800	-.378	5840	.096	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6056	.137	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6370	.223	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.264	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.316	0	0.000

TABLE 2—Continued

HR 4823		HD 110833		HR 4848		BETA CRU HR 4853		BETA CRU HR 4853		BETA CRU HR 4853	
B-V	HR 4823	HD 110833		HR 4848		BETA CRU HR 4853		BETA CRU HR 4853		BETA CRU HR 4853	
SP	B7IV	K3		-0.17		-0.25		-0.25		-0.25	
BW	60	50		83IV		B0III		B0III		B0III	
OBS	MOR	WHI		MOR		DW		WAT		AFN	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.604	4955	.023	3300	.094	3300	-.495	3390	-.348	3392	-.383
3400	.603	5311	-.149	3400	.103	3390	-.410	3448	-.335	3441	-.366
3500	.580	5556	-.285	3500	.110	3448	-.396	3509	-.293	3504	-.345
3600	.607	5747	-.390	3600	.157	3509	-.363	3571	-.254	3567	-.311
4200	-.176	6053	-.465	4200	-.286	3571	-.330	3636	-.246	3634	-.295
4425	-.117	6431	-.533	4425	-.197	3636	-.313	4032	-.342	4032	-.373
4600	-.056	6821	-.630	4600	-.106	4032	-.386	4167	-.295	4082	-.344
4750	-.054	7102	-.658	4750	-.084	4167	-.325	4255	-.254	4167	-.305
5000	0.000	7530	-.698	5000	0.000	4255	-.305	4464	-.176	4255	-.272
5200	.041	7819	-.744	5200	.051	4464	-.210	4566	-.150	4367	-.241
5400	.085	8065	-.762	5400	.095	4566	-.171	4785	-.085	4464	-.206
5600	.106	8598	-.819	5600	.176	4785	-.095	5000	0.000	4566	-.148
5800	.132	8850	-.826	5800	.172	5000	0.000	5263	.085	4673	-.120
6000	.131	9950	-.881	0	0.000	5263	.078	5400	.150	5000	0.000
0	0.000	10246	-.884	0	0.000	5500	.143	5556	.227	5127	.040
0	0.000	10526	-.886	0	0.000	5556	.163	5840	.289	5261	.083
0	0.000	0	0.000	0	0.000	5840	.265	6055	.373	5556	.173
0	0.000	0	0.000	0	0.000	6055	.334	6370	.460	5868	.234
0	0.000	0	0.000	0	0.000	6370	.410	6800	.572	0	0.000
0	0.000	0	0.000	0	0.000	6800	.517	7100	.644	0	0.000
0	0.000	0	0.000	0	0.000	7100	.580	7530	.756	0	0.000
0	0.000	0	0.000	0	0.000	7530	.700	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7850	.778	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8080	.816	0	0.000	0	0.000

BETA CRU HR 4853		HD 111133		HR 4876		HD 111631		31 COM HR 4883		LAMBDA CRU HR 4897	
B-V	HR 4853	HD 111133		HR 4876		HD 111631		HR 4883		HR 4897	
SP	B0III	AP		A1IA		K7		G0III		B5VN	
BW	60	30/60		60		50		30		60	
OBS	MOR	WOL		MOR		WHI		FSW		MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.448	5260	-.013	3300	1.514	4955	.048	3400	1.722	3300	.154
3400	-.407	5550	-.027	3400	1.443	5311	-.323	3450	1.704	3400	.163
3500	-.366	5800	.002	3500	1.300	5556	-.609	3500	1.636	3500	.180
3600	-.320	6060	.043	3600	1.217	5747	-.834	3571	1.617	3600	.227
4200	-.310	6370	.115	4200	.144	6053	-1.009	3636	1.533	4200	-.256
4425	-.231	6800	.157	4425	.103	6431	-1.177	4037	.597	4425	-.177
4600	-.135	7110	.200	4600	.094	6821	-1.204	4168	.488	4600	-.106
4750	-.109	7530	.310	4750	.036	7102	-1.422	4255	.454	4750	-.074
5000	0.000	7850	.323	5000	0.000	7530	-1.702	4464	.258	5000	0.000
5200	.055	8080	.356	5200	-.039	7819	-1.748	4566	.184	5200	.051
5400	.114	8400	.357	5400	-.105	8065	-1.846	4787	.027	5400	.075
5600	.192	8800	.371	5600	-.144	8598	-1.913	5000	0.000	5600	.126
5800	.236	0	0.000	5800	-.178	8850	-1.980	5263	-.075	5800	.162
6000	.487	0	0.000	6000	-.169	9950	-2.126	5559	-.256	0	0.000
0	0.000	0	0.000	0	0.000	10246	-2.158	5841	-.344	0	0.000
0	0.000	0	0.000	0	0.000	10526	-2.190	6057	-.377	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6439	-.409	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6793	-.466	0	0.000

TABLE 2--Continued

MU1 CRU HR 4898		MU2 CRU HR 4899		ALPHA 2 CVN HR 4915		ALPHA 2 CVN HR 4915		HD 112758		EPSILON VIR HR 4932	
B-V	-0.18	B-V	-0.14	B-V	-0.12	B-V	-0.12	K0		G9II-III	
SP	B3IV	SP	B5VE	SP	B9.5P	SP	B9.5P	50		30	
BW	60	BW	60	BW	10	BW	30/60	50		30	
ORS	MOR	ORS	MOR	ORS	JUS	ORS	WOL	WHI		FSW	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.136	3300	.164	3390	.695	5260	.032	4955	.019	3400	2.066
3400	-.097	3400	.173	3448	.699	5550	.067	5311	-.132	3450	2.097
3500	-.070	3500	.130	3509	.667	5800	.117	5556	-.238	3500	1.983
3600	-.033	3600	.147	3571	.655	6060	.178	5747	-.304	3571	2.209
4200	-.296	4200	-.226	3636	.627	6370	.250	6053	-.388	3636	1.693
4425	-.217	4425	-.177	4032	-.186	6800	.312	6431	-.456	4037	.849
4600	-.126	4600	-.096	4082	-.186	7110	.374	6821	-.544	4168	.935
4750	-.894	4750	-.054	4167	-.165	7530	.475	7102	-.591	4255	.685
5000	0.000	5000	0.000	4255	-.155	7850	.528	7530	-.621	4464	.331
5200	.051	5200	.021	4367	-.145	8080	.561	7819	-.657	4566	.233
5400	.095	5400	.065	4464	-.135	8400	.582	8065	-.695	4787	.018
5600	.176	5600	.136	4566	-.111	8800	.616	8598	-.732	5000	0.000
5800	.242	5800	.122	4673	-.106	0	0.000	8850	-.759	5263	-.108
0	0.000	0	0.000	4780	-.061	0	0.000	9950	-.785	5559	-.327
0	0.000	0	0.000	4902	-.029	0	0.000	10246	-.777	5841	-.482
0	0.000	0	0.000	5000	0.000	0	0.000	10526	-.799	6057	-.535
0	0.000	0	0.000	5128	.077	0	0.000	0	0.000	6439	-.631
0	0.000	0	0.000	5263	.083	0	0.000	0	0.000	6793	-.752
0	0.000	0	0.000	5556	.128	0	0.000	0	0.000	0	0.000

HR 4940		THETA VIR HR 4963		THETA VIR HR 4963		THETA VIR HR 4963		THETA VIR HR 4963		BETA COM HR 4983	
B-V	-0.14	B-V	-0.02	B-V	-0.02	B-V	-0.02	B-V	-0.02	0.57	
SP	B5V	SP	A1V	SP	A1V	SP	A1V	SP	A1V	60V	
BW	60	BW	50/100	BW	50	BW	50	BW	30/60	48/64	
ORS	MOR	ORS	SPO	ORS	OKE	ORS	HAY	ORS	WOL	STI	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.194	3390	1.326	3390	1.310	3300	1.285	5260	.032	3350	1.510
3400	.213	3448	1.303	3448	1.284	3350	1.276	5550	.067	3400	1.423
3500	.220	3509	1.283	3509	1.267	3400	1.247	5800	.117	3450	1.447
3600	.267	3571	1.248	3571	1.235	3450	1.235	6060	.158	3500	1.392
4200	-.256	3636	1.205	3636	1.207	3500	1.207	6370	.270	3570	1.364
4425	-.187	4036	-.179	4032	-.186	3571	1.189	6800	.262	3636	1.254
4600	-.106	4167	-.148	4167	-.160	3636	1.154	7110	.314	4035	.466
4750	-.084	4255	-.126	4255	-.145	4037	-.208	7530	.385	4168	.374
5000	0.000	4464	-.116	4464	-.115	4167	-.175	7850	.428	4255	.391
5200	.041	4566	-.067	4566	-.081	4255	-.148	8080	.441	4465	.167
5400	.125	4780	-.036	4785	-.045	4464	-.143	8400	.452	4565	.098
5600	.196	5000	0.000	5000	0.000	4566	-.092	8800	.436	5264	-.061
5800	.252	5264	.066	5263	.058	4786	-.071	0	0.000	5560	-.164
0	0.000	5556	.102	5556	.098	5000	0.000	0	0.000	5840	-.223
0	0.000	5840	.163	5840	.160	5263	.056	0	0.000	6054	-.239
0	0.000	0	0.000	0	0.000	5556	.103	0	0.000	6440	-.274
0	0.000	0	0.000	0	0.000	5840	.140	0	0.000	6792	-.323
0	0.000	0	0.000	0	0.000	6056	.199	0	0.000	7102	-.367
0	0.000	0	0.000	0	0.000	6440	.282	0	0.000	7552	-.381
0	0.000	0	0.000	0	0.000	6800	.332	0	0.000	7782	-.396
0	0.000	0	0.000	0	0.000	7100	.365	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7550	.450	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7782	.485	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8091	.510	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8375	.504	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8711	.521	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	9833	.557	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10256	.633	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10406	.676	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10616	.737	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10799	.704	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10881	.688	0	0.000	0	0.000

TABLE 2—Continued

BETA COM		HR 5005		HR 5005		20 CVN		20 CVN		HR 5026	
B-V	HR 4983	HR 5005	HR 5005	HR 5005	HR 5017	HR 5017	HR 5017	HR 5017	HR 5017	HR 5026	
0.57		0.30	0.30	0.30	0.32	0.32	0.32	0.32			
SP	G0V	F0	F0	F0	F0III	F0III	F0III	F0III		BS111	
RW	30	50	50	50	50	50	40/80	40/80		60	
OBS	FSW	DAD	DAD	DAD	DAD	DAD	DP	DP		MOR	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	1.454	3390	1.490	6050	-.023	3390	1.605	3509	1.463	3300	.244
3450	1.516	3448	1.434	6800	-.040	3448	1.589	3571	1.468	3400	.243
3500	1.389	3571	1.425	7550	.014	3509	1.567	3636	1.385	3500	.240
3571	1.369	3571	1.360	8080	-.011	3571	1.515	4032	.106	3600	.287
3636	1.215	3636	1.292	8696	-.006	3636	1.427	4167	.112	4200	-.286
4037	.386	4036	.138	9804	-.023	4036	.163	4255	.054	4425	-.207
4168	.381	4167	.130	10204	.026	4167	.145	4464	-.016	4600	-.126
4255	.381	4255	.100	10638	.027	4257	.075	4566	-.007	4750	-.104
4464	.180	4464	.025	10752	.030	4465	.015	4785	-.066	5000	0.000
4566	.118	4566	.039	0	0.000	4566	.009	5000	0.000	5200	.041
4787	.014	4780	-.015	0	0.000	4784	-.040	5263	.016	5400	.085
5000	0.000	5000	0.000	0	0.000	5000	0.000	5556	-.048	5600	.116
5263	-.052	5264	-.017	0	0.000	5264	.013	5848	-.067	5800	.182
5559	-.188	5556	-.052	0	0.000	5556	-.062	6061	-.050	0	0.000
5841	-.245	5848	-.059	0	0.000	5848	-.079	6452	-.009	0	0.000
6057	-.274	0	0.000	0	0.000	6050	-.081	6803	-.013	0	0.000
6439	-.305	0	0.000	0	0.000	6800	-.078	7092	.019	0	0.000
6793	-.353	0	0.000	0	0.000	7550	-.014	7519	.087	0	0.000
0	0.000	0	0.000	0	0.000	8080	-.029	7752	.120	0	0.000
0	0.000	0	0.000	0	0.000	8696	-.024	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	9804	-.022	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10204	.008	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10638	.078	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10752	.121	0	0.000	0	0.000

ALPHA VIR		ALPHA VIR		ALPHA VIR		ALPHA VIR		ALPHA VIR		80 JMA	
B-V	HR 5056	HR 5056	HR 5056	HR 5056	HR 5056	HR 5056	HR 5056	HR 5056	HR 5056	HR 5062	
-0.23		-0.23	-0.23	-0.23	-0.23	-0.23	-0.23	-0.23		0.16	
SP	H1V	H1V	H1V	H1V	H1V	H1V	H1V	H1V		A5V	
RW	50	50	50	9	50	50	60	60		48/64	
OBS	BA	DW		AFN	WAT		MOR			STI	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3294	-.363	3300	-.385	3392	-.305	3390	-.348	3300	-.373	3350	1.411
3396	-.303	3390	-.325	3441	-.293	3448	-.315	3400	-.305	3400	1.363
3492	-.253	3448	-.311	3504	-.270	3509	-.273	3500	-.281	3450	1.347
3594	-.220	3509	-.283	3567	-.246	3571	-.234	3600	-.237	3500	1.321
4026	-.327	3571	-.245	3634	-.226	3636	-.216	4200	-.299	3570	1.281
4172	-.285	3636	-.228	4032	-.374	4032	-.352	4425	-.218	3636	1.238
4418	-.212	4032	-.361	4082	-.344	4167	-.315	4600	-.130	4035	-.023
4544	-.161	4167	-.320	4167	-.301	4255	-.264	4750	-.098	4168	-.031
4724	-.089	4255	-.295	4255	-.261	4464	-.186	5000	0.000	4255	-.025
4954	-.012	4464	-.200	4367	-.230	4566	-.150	5200	.059	4465	-.046
5120	.048	4566	-.161	4464	-.205	4785	-.095	5400	.138	4565	-.037
5368	.122	4785	-.090	4566	-.154	5000	0.000	5600	.192	5264	.043
5672	.222	5000	0.000	4673	-.172	5263	.075	5800	.260	5560	.027
6014	.325	5263	.058	5000	0.000	5400	.130	0	0.000	5840	.058
6404	.419	5500	.133	5127	.039	5556	.197	0	0.000	6054	.086
0	0.000	5556	.153	5261	.081	5840	.299	0	0.000	6440	.133
0	0.000	5840	.250	5556	.172	6055	.403	0	0.000	6792	.150
0	0.000	6055	.329	5868	.282	6370	.480	0	0.000	7102	.169
0	0.000	6370	.400	0	0.000	6800	.562	0	0.000	7552	.221
0	0.000	6800	.507	0	0.000	7100	.624	0	0.000	7782	.233
0	0.000	7100	.570	0	0.000	7530	.726	0	0.000	0	0.000
0	0.000	7530	.700	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.763	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.796	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

78 VIR		78 VIR		EPSILON CEN		EPSILON CEN		FEIGE 86			
B-V	HR 5105	B-V	HR 5105	B-V	HR 5110	B-V	HR 5132	B-V	HR 5132		
SP	AP	SP	AP	SP	F2IV	SP	B1IV	SP	B1IV		
R _w	30/60	R _w	10	R _w	40/80	R _w	50	R _w	60		
ORS	WOL	ORS	JUS	ORS	DP	ORS	OW	ORS	MOR		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.		
5260	-0.004	3390	1.275	3509	1.313	3300	-0.410	3300	-0.396	3390	.255
5550	-0.008	3448	1.239	3571	1.298	3390	-0.325	3400	-0.317	3448	.269
5800	.021	3509	1.187	3636	1.245	3448	-0.306	3500	-0.300	3509	.267
6060	.062	3571	1.175	4032	.126	3509	-0.283	3600	-0.283	3571	.285
6370	.114	3636	1.137	4167	.192	3571	-0.250	4200	-0.326	3636	.287
6800	.166	4032	-0.106	4255	.154	3636	-0.238	4425	-0.237	4032	-0.186
7110	.219	4082	-0.106	4464	.044	4032	-0.366	4600	-0.156	4167	-0.185
7530	.309	4167	-0.075	4566	.063	4167	-0.320	4750	-0.104	4255	-0.155
7850	.342	4255	-0.075	4785	-0.026	4255	-0.300	5000	0.000	4464	-0.125
8080	.375	4367	-0.075	5000	0.000	4464	-0.205	5200	.041	4566	-0.061
8400	.386	4464	-0.075	5263	-0.034	4566	-0.176	5400	.105	4780	-0.021
8800	.400	4566	-0.051	5556	-0.128	4785	-0.095	5600	.176	5000	0.000
0	0.000	4673	-0.036	5848	-0.147	5000	0.000	5800	.282	5263	.053
0	0.000	4780	-0.051	6061	-0.160	5263	.078	0	0.000	5556	.138
0	0.000	4902	-0.019	6452	-0.189	5500	.138	0	0.000	0	0.000
0	0.000	5000	0.000	6803	-0.223	5556	.158	0	0.000	0	0.000
0	0.000	5128	.057	7092	.057	5840	.255	0	0.000	0	0.000
0	0.000	5263	.103	7519	-0.233	6055	.324	0	0.000	0	0.000
0	0.000	5556	.108	7752	-0.200	6370	.400	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.492	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.550	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7530	.665	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7850	.738	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8080	.776	0	0.000	0	0.000

4 TAU 900		NU CEN		ETA UMA		ETA UMA		ETA UMA		ETA UMA	
B-V	HR 5185	B-V	HR 5190	B-V	HR 5191	B-V	HR 5191	B-V	HR 5191	B-V	HR 5191
SP	F7V	SP	B2IV	SP	H3V	SP	B3V	SP	B3V	SP	B3V
R _w	40/80	R _w	60	R _w	50	R _w	50/100	R _w	50/100	R _w	25/50
ORS	DP	ORS	MOR	ORS	STD	ORS	RA	ORS	SPO	ORS	KO
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3509	1.253	3300	-0.326	3300	.067	3294	.066	3300	.084	3297	.060
3571	1.2	3400	-0.257	3390	.100	3396	.110	3390	.106	3390	.075
3636	1.195	3500	-0.220	3448	.115	3492	.129	3448	.123	3448	.089
4032	.336	3600	-0.183	3509	.122	3594	.154	3509	.123	3509	.107
4167	.292	4200	-0.316	3570	.137	4026	-0.278	3570	.138	3571	.125
4255	.254	4425	-0.227	3636	.144	4172	-0.261	3636	.145	3636	.137
4444	.094	4600	-0.146	4036	-0.292	4418	-0.202	4036	-0.299	4032	-0.326
4566	.063	4750	-0.104	4167	-0.271	4544	-0.151	4167	-0.268	4167	-0.295
4785	-0.036	5000	0.000	4255	-0.251	4724	-0.078	4255	-0.246	4255	-0.265
5000	0.000	5200	.051	4464	-0.194	4954	-0.002	4464	-0.176	4464	-0.145
5263	-0.044	5400	.115	4566	-0.145	5120	.044	4566	-0.137	4566	-0.161
5556	-0.138	5600	.156	4785	-0.075	5368	.111	4780	-0.086	4780	-0.081
5848	-0.177	5800	.242	5000	0.000	5672	.202	5000	0.000	5000	0.000
6061	-0.200	6000	.301	5264	.075	6014	.295	5264	.076	5255	.081
6452	-0.209	0	0.000	5556	.159	6404	.386	5556	.172	5556	.178
6803	-0.233	0	0.000	5840	.241	0	0.000	5840	.253	5840	.260
7092	-0.231	0	0.000	6050	.294	0	0.000	6050	.290	6055	.329
7519	-0.223	0	0.000	0	0.000	0	0.000	0	0.000	6370	.410
7752	-0.200	0	0.000	0	0.000	0	0.000	0	0.000	6800	.492
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.545
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.625
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	.658

TABLE 2—Continued

ETA UMA HR 5191		ETA UMA HR 5191		MU CEN HR 5193		γ CEN A HR 5210		ETA 800 HR 5235		ETA 800 HR 5235	
B-V	-0.19	B-V	-0.19	B-V	-0.21	B-V	0.58	B-V	0.58	B-V	0.58
SP	B3V	SP	B3V	SP	B2VPNE	SP	R5	SP	G0 IV	SP	G0 IV
Bw	48/64	Bw	48/64	Bw	60	Bw	9	Bw	JON	Bw	50/100
OBS	KUB	OBS	KHA	OBS	MOR	OBS	AFN	OBS	JON	OBS	SCH
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.075	3300	.176	3300	-.276	3392	.297	5000	0.000	3300	1.690
3450	.085	3400	.166	3400	-.257	3441	.284	5060	-.028	3390	1.675
3500	.106	3500	.178	3500	-.270	3504	.268	5263	-.057	3448	1.649
3560	.104	3600	.190	3600	-.243	3567	.257	5560	-.176	3509	1.547
3670	.133	3700	.158	4200	-.246	3634	.241	5810	-.262	3571	1.515
4050	-.309	4036	-.281	4425	-.177	4032	-.297	5882	-.215	3636	1.367
4170	-.274	4221	-.227	4600	-.106	4082	-.274	6050	-.257	4036	.523
4230	-.257	4500	-.168	4750	-.084	4167	-.243	6370	-.270	4167	.425
4300	-.259	4600	-.130	5000	0.000	4255	-.214	6670	-.337	4255	.425
4440	-.204	4700	-.090	5200	.061	4367	-.192	6800	-.338	4464	.165
4510	-.178	4861	-.039	5400	.115	4464	-.174	7100	-.345	4566	.119
4580	-.150	5000	0.000	5600	.166	4566	-.128	7460	-.344	4780	.005
4615	-.121	5150	.043	5800	.222	4673	-.102	7530	-.340	5000	0.000
4680	-.092	5300	.087	6000	.291	5000	0.000	7850	-.362	5264	-.067
4785	-.075	5500	.146	0	0.000	5127	.029	8000	-.347	5556	-.152
5000	0.000	5700	.224	0	0.000	5261	.060	8080	-.339	5840	-.210
5260	.055	5850	.274	0	0.000	5556	.125	8400	-.377	6050	-.231
5560	.168	6000	.325	0	0.000	5868	.195	9700	-.353	0	0.000
5840	.239	6200	.367	0	0.000	0	0.000	9950	-.363	0	0.000
6050	.313	6400	.382	0	0.000	0	0.000	10000	-.406	0	0.000
6370	.380	6500	.392	0	0.000	0	0.000	10250	-.366	0	0.000
6800	.462	6600	.392	0	0.000	0	0.000	10400	-.391	0	0.000
7100	.514	6700	.395	0	0.000	0	0.000	10550	-.387	0	0.000
0	0.000	6800	.427	0	0.000	0	0.000	10800	-.348	0	0.000
0	0.000	7000	.442	0	0.000	0	0.000	0	0.000	0	0.000

PHI CEN HR 5248		93 TAU V14 HR 5264		RETA CEN HR 5267		BETA CFN HR 5267		HD 122563 HR 5270		CHI CEN HR 5285	
B-V	-0.22	B-V	0.10	B-V	-0.22	B-V	-0.22	B-V	0.90	B-V	-0.20
SP	R21V	SP	A3III	SP	B1II	SP	B1II	SP	G0 VI	SP	B3V
Bw	60	Bw	40/80	Bw	50	Bw	9	Bw	JON	Bw	50
OBS	MOP	OBS	DP	OBS	WAT	OBS	AFN	OBS	JON	OBS	NOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.246	3509	1.353	3390	-.348	3392	-.364	5560	-.303	3390	-.068
3400	-.197	3571	1.348	3448	-.335	3441	-.343	5810	-.439	3448	-.055
3500	-.180	3636	1.315	3509	-.313	3504	-.316	6050	-.495	3509	-.043
3600	-.133	4032	-.144	3571	-.284	3567	-.287	6670	-.714	3571	-.004
4200	-.296	4167	-.088	3636	-.266	3634	-.266	7460	-.871	3636	.004
4425	-.217	4255	-.086	4032	-.362	4032	-.384	8000	-.964	4032	-.308
4600	-.126	4464	-.086	4167	-.315	4082	-.354	8750	-1.043	4167	-.285
4750	-.094	4566	-.027	4255	-.264	4167	-.309	9190	-1.108	4255	-.264
5000	0.000	4785	-.026	4464	-.186	4255	-.267	10000	-1.173	4464	-.176
5200	.091	5000	0.000	4566	-.150	4367	-.236	10550	-1.045	4566	-.150
5400	.115	5263	.036	4785	-.095	4464	-.211	0	0.000	4785	-.085
5600	.196	5556	.052	5000	0.000	4566	-.156	0	0.000	5000	0.000
5800	.262	5848	.093	5263	.075	4673	-.123	0	0.000	5263	.075
6000	.291	6061	.150	5400	.130	5000	0.000	0	0.000	5556	.157
0	0.000	6452	.181	5556	.197	5127	.037	0	0.000	0	0.000
0	0.000	6803	.207	5840	.259	5261	.077	0	0.000	0	0.000
0	0.000	7092	.249	6055	.313	5556	.153	0	0.000	0	0.000
0	0.000	7519	.317	6370	.410	5868	.234	0	0.000	0	0.000
0	0.000	7752	.340	6800	.512	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.594	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7530	.686	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

CHI CEN HR 5285		CHI CEN HR 5285		HR 5292		FEIGE 92		HR 5313		HR 5329	
B-V	-0.20	B-V	-0.20				-0.12		-0.12		0.20
SP	83V	SP	83V		85IV		RW		A S1		A9IV
B-W	50	B-W	60		60		50		10		50
OHS	NOR	OHS	MOR		MOR		SS		JUS		DAD
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	-.068	3300	-.156	3300	.424	3390	.335	3390	.555	3390	1.525
3448	-.055	3400	-.127	3400	.403	3448	.329	3448	.549	3448	1.489
3509	-.043	3500	-.090	3500	.380	3509	.297	3509	.527	3509	1.467
3571	-.004	3600	-.023	3600	.417	3571	.335	3571	.575	3571	1.425
3636	.004	4200	-.316	4200	-.136	3636	.317	3636	.537	3636	1.367
4032	-.308	4425	-.237	4425	-.087	4032	-.226	4032	-.256	4036	.043
4167	-.285	4600	-.116	4600	-.046	4167	-.195	4082	-.256	4167	.035
4255	-.264	4750	-.094	4750	-.034	4255	-.165	4167	-.235	4257	.005
4464	-.176	5000	0.000	5000	0.000	4464	-.135	4255	-.215	4465	-.035
4566	-.150	5200	.051	5200	.021	4566	-.081	4367	-.195	4566	-.001
4785	-.085	5400	.125	5400	.015	4780	-.071	4464	-.165	4784	-.030
5000	0.000	5600	.196	5600	.036	5000	0.000	4566	-.131	5000	0.000
5263	.075	5800	.232	5800	.092	5263	.073	4673	-.116	5264	.023
5556	.157	6000	.321	0	0.000	5556	.098	4780	-.071	5556	.028
0	0.000	0	0.000	0	0.000	0	0.000	4902	-.029	5848	.061
0	0.000	0	0.000	0	0.000	0	0.000	5000	0.000	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5128	.057	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5263	.073	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5556	.138	0	0.000

99 IOTA VIR HR 5338		ALPHA BOO HR 5340		ALPHA BOO HR 5340		ALPHA BOO HR 5340		21 IOTA BOO HR 5350		LAMBDA BOO HR 5351	
B-V	0.51	B-V	1.23	B-V	1.23	B-V	1.23	B-V	0.20	B-V	0.08
SP	F7IV	SP	K2IIIP	SP	K2IIIP	SP	K2IIIP	SP	A7V	SP	A0P
B-W	40/40	B-W	30	B-W	50/100	B-W	50/100	B-W	40/80	B-W	50
OHS	DP	OHS	FSW	OHS	<CH	OHS	JON	OHS	DP	OHS	OKE
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3509	1.233	3100	2.997	3300	2.880	5000	0.000	3509	1.223	3390	1.305
3571	1.278	3450	3.032	3390	3.205	5060	-.068	3571	1.238	3448	1.299
3636	1.195	3500	2.831	3448	3.169	5263	-.157	3636	1.175	3509	1.287
4032	.396	3571	3.095	3509	2.987	5560	-.456	4032	-.024	3571	1.265
4167	.362	3636	2.526	3571	3.125	5811	-.642	4167	.012	3636	1.237
4255	.344	4037	1.339	3636	2.597	5882	-.585	4255	-.016	4032	-.106
4464	.144	4168	1.271	4036	1.413	6050	-.717	4464	-.036	4167	-.105
4566	.123	4255	1.066	4167	1.325	6370	-.810	4566	-.017	4255	-.105
4785	.014	4464	.522	4255	1.085	6670	-.947	4785	-.036	4464	-.095
5000	0.000	4566	.324	4464	.525	6800	-.978	5000	0.000	4566	-.071
5263	-.014	4787	.067	4566	.329	7100	-1.035	5263	.016	4785	-.030
5556	-.108	5000	0.000	4780	.100	7460	-1.124	5556	-.018	5000	0.000
5848	-.167	5263	-.174	5000	0.000	7530	-1.140	5848	.013	5263	.033
6061	-.170	5559	-.524	5264	-.197	7850	-1.212	6061	.070	5556	.058
6452	-.229	5841	-.742	5556	-.432	8000	-1.207	6452	.081	5840	.110
6803	-.263	6057	-.852	5840	-.590	8080	-1.219	6803	.087	6055	.139
7092	-.281	6439	-.955	6050	-.681	8400	-1.307	7092	.129	6370	.170
7519	-.283	6793	-1.096	0	0.000	9700	-1.443	7519	.167	6790	.211
7752	-.250	0	0.000	0	0.000	9950	-1.503	7752	.220	7100	.265
0	0.000	0	0.000	0	0.000	10000	-1.536	0	0.000	7550	.326
0	0.000	0	0.000	0	0.000	10250	-1.526	0	0.000	7850	.358
0	0.000	0	0.000	0	0.000	10400	-1.541	0	0.000	8090	.391
0	0.000	0	0.000	0	0.000	10550	-1.567	0	0.000	8370	.385
0	0.000	0	0.000	0	0.000	10800	-1.568	0	0.000	8805	.426
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9700	.427
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9950	.472
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10256	.519
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.504
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10796	.562

TABLE 2—Continued

LAMBDA VIR		HR 5378		TAU1 LUP		TAU1 LUP		TAU2 LUP		THETA BOO	
R-V	HR 5359	HR 5378	HR 5378	HR 5395	HR 5395	HR 5395	HR 5395	HR 5396	HR 5396	HR 5404	HR 5404
SP	0.13	-0.20	-0.16	-0.16	-0.16	-0.16	-0.16	0.40	0.40	0.50	0.50
RW	48M	B3V	B3III	B3III	B3III	B3III	B3III	DF7	DF7	F7 V	F7 V
OBS	40/80	60	50	50	50	50	50	50	50	50/100	50/100
	DP	MOR	WAT	MOR	MOR	MOR	MOR	SEG	SEG	SCH	SCH
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3509	1.353	3300	-0.106	3390	-0.068	3300	-0.086	5556	-0.133	3300	1.430
3571	1.308	3400	-0.087	3448	-0.055	3400	-0.117	5840	-0.201	3390	1.425
3636	1.275	3500	-0.060	3509	-0.033	3500	-0.100	6055	-0.226	3448	1.379
4032	-0.064	3600	-0.003	3571	-0.004	3600	-0.053	6370	-0.229	3509	1.297
4167	-0.018	4200	-0.296	3636	.004	4200	-0.236	6800	-0.237	3571	1.275
4255	-0.046	4425	-0.217	4032	-0.272	4425	-0.167	7100	-0.266	3636	1.187
4464	-0.066	4600	-0.126	4167	-0.245	4600	-0.076	7530	-0.263	4032	.433
4566	-0.017	4750	-0.114	4255	-0.214	4750	-0.074	7850	-0.303	4167	.335
4785	-0.036	5000	0.000	4464	-0.146	5000	0.000	8080	-0.286	4255	.335
5000	0.000	5200	.051	4566	-0.130	5200	.051	8400	-0.353	4464	.135
5263	.036	5400	.125	4785	-0.075	5400	.095	8805	-0.284	4566	.119
5556	.032	5600	.226	5000	0.000	5600	.176	9700	-0.337	4785	.019
5848	.063	5800	.182	5263	.055	5800	.292	9950	-0.359	5000	0.000
6061	.120	6000	.181	5400	.100	0	0.000	10250	-0.361	5264	-0.037
6452	.141	0	0.000	5556	.157	0	0.000	10400	-0.341	5556	-0.112
6803	.177	0	0.000	5840	.199	0	0.000	10800	-0.297	5840	-0.160
7092	.189	0	0.000	6055	.243	0	0.000	0	0.000	6050	-0.161
7519	.257	0	0.000	6370	.320	0	0.000	0	0.000	0	0.000
7752	.290	0	0.000	6800	.402	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.464	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7530	.546	0	0.000	0	0.000	0	0.000

THETA BOO		GAMMA BOO		GAMMA BOO		GAMMA BOO		ETA CEN		SIGMA BOO	
R-V	HR 5404	HR 5435	HR 5435	HR 5435	HR 5435	HR 5435	HR 5435	HR 5440	HR 5440	HR 5447	HR 5447
SP	0.50	0.19	0.19	0.19	0.19	0.19	0.19	-0.20	-0.20	0.36	0.36
RW	F7V	A7III	A7III	A7III	A7III	A7III	A7III	B1.5VNE	B1.5VNE	F2V	F2V
OBS	48/64	50	50/100	50/100	40/80	40/80	40/80	60	60	48/64	48/64
	STI	RA	SCH	SCH	DP	DP	DP	MOR	MOR	STI	STI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3350	1.421	3294	1.551	3300	1.520	3504	1.373	3300	-0.256	3350	1.230
3400	1.345	3396	1.519	3390	1.485	3571	1.398	3400	-0.157	3400	1.175
3450	1.342	3492	1.461	3448	1.489	3636	1.345	3500	-0.130	3450	1.147
3500	1.303	3594	1.404	3509	1.427	4032	.006	3600	-0.103	3500	1.124
3570	1.274	4026	.025	3571	1.425	4167	.002	4200	-0.296	3570	1.091
3636	1.170	4172	.020	3636	1.347	4255	.024	4425	-0.237	3636	1.027
4035	.367	4418	-0.010	4036	.013	4464	-0.076	4600	-0.146	4035	.199
4168	.290	4544	-0.016	4167	.025	4566	-0.017	4750	-0.114	4168	.164
4255	.284	4724	-0.037	4255	.005	4785	-0.076	5000	0.000	4255	.145
4465	.121	4954	-0.007	4464	-0.025	5000	0.000	5200	.051	4465	.060
4565	.081	5120	.005	4566	-0.001	5263	.056	5400	.115	4565	.039
5264	-0.042	5368	.020	4780	-0.006	5556	.022	5600	.196	5264	-0.025
5560	-0.130	5672	.027	5000	0.000	5848	.003	5800	.272	5560	-0.059
5840	-0.174	6014	.063	5264	.033	6061	-0.020	0	0.000	5840	-0.097
6054	-0.185	6404	.079	5556	.028	6452	-0.009	0	0.000	6054	-0.084
6440	-0.206	0	0.000	5840	.040	6803	-0.023	0	0.000	6440	-0.075
6792	-0.249	0	0.000	6050	.049	7092	.019	0	0.000	6792	-0.097
7102	-0.267	0	0.000	0	0.000	7519	.097	0	0.000	7102	-0.109
7552	-0.264	0	0.000	0	0.000	7752	.140	0	0.000	7552	-0.096
7782	-0.284	0	0.000	0	0.000	0	0.000	0	0.000	7782	-0.102

TABLE 2—Continued

ALPHA LUP HR 5469		ALPHA LUP HR 5469		ALPHA LUP HR 5469		107 MU VIR HR 5487		109 VIR HR 5511		109 VIR HR 5511	
B-V	-0.22	B-V	-0.22	B-V	-0.22		0.38		-0.01		-0.01
SP	B1.5111	SP	B1.5111	SP	B1.5111		F3IV		A0V		A0V
BW	50	BW	60	BW	50		40/80				50
OBS	NOR	OBS	MOR	OBS	WAT		DP		STD		OKE
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	-.218	3300	-.304	3390	-.178	3509	1.103	3300	1.218	3390	1.195
3448	-.195	3400	-.274	3448	-.165	3571	1.108	3390	1.188	3448	1.169
3509	-.173	3500	-.243	3509	-.143	3636	1.025	3448	1.168	3509	1.152
3571	-.154	3600	-.188	3571	-.114	4032	.166	3509	1.146	3571	1.145
3636	-.136	4200	-.307	3636	-.106	4167	.172	3571	1.143	3636	1.112
4032	-.328	4425	-.220	4032	-.322	4255	.144	3636	1.108	4032	-.196
4167	-.305	4600	-.128	4167	-.295	4464	.064	4032	-.205	4167	-.160
4255	-.274	4750	-.099	4255	-.234	4566	.063	4167	-.182	4255	-.140
4464	-.196	5000	0.000	4464	-.166	4785	-.006	4255	-.158	4464	-.140
4566	-.150	5200	.068	4566	-.140	5000	0.000	4464	-.145	4566	-.076
4785	-.095	5400	.130	4785	-.085	5263	-.024	4566	-.098	4785	-.045
5000	0.000	5600	.194	5000	0.000	5556	-.098	4785	-.050	5000	0.000
5263	.055	5800	.258	5263	.065	5848	-.107	5000	0.000	5263	.058
5556	.147	6000	.313	5400	.120	6061	-.090	5263	.047	5556	.103
0	0.000	0	0.000	5556	.177	6452	-.099	5556	.095	5840	.155
0	0.000	0	0.000	5840	.239	6803	-.123	5840	.147	6055	.204
0	0.000	0	0.000	6055	.283	7092	-.121	6055	.198	6370	.255
0	0.000	0	0.000	6370	.370	7519	-.083	6370	.247	6800	.307
0	0.000	0	0.000	6800	.482	7752	-.090	6800	.299	7100	.360
0	0.000	0	0.000	7100	.554	0	0.000	0	0.000	7530	.440
0	0.000	0	0.000	7530	.636	0	0.000	0	0.000	7850	.483
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	.496
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8400	.508
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8805	.491
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9700	.552
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9950	.577
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10250	.624
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.639
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10800	.697

109 VIR HR 5511		109 VIR HR 5511		109 VIR HR 5511		BETA UMI HR 5563		HD 132132 HR 5573		KAPPA CEN HR 5576	
B-V	-0.01	B-V	-0.01	B-V	-0.01		1.46		1.13		-0.24
SP	A0V	SP	A0V	SP	A0V		K4 III		K1 III		B2V
BW	50	BW	50	BW	48/-4		50/100				50
OBS	WKH	OBS	DW	OBS	KUH		SCH		JON		NOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.216	3300	1.250	3400	1.145	3448	3.699	5000	0.000	3390	-.078
3350	1.206	3390	1.215	3450	1.125	3509	3.627	5060	-.048	3448	-.055
3400	1.182	3448	1.179	3500	1.126	3571	3.705	5263	-.157	3509	-.043
3450	1.170	3509	1.157	3560	1.084	3636	3.277	5560	-.386	3571	-.014
3500	1.146	3571	1.135	3615	1.065	4036	1.933	5810	-.562	3636	-.006
3550	1.143	3636	1.102	3670	1.053	4167	1.715	5882	-.535	4032	-.298
3570	1.146	4032	-.206	4050	-.229	4255	1.515	6050	-.607	4167	-.255
3636	1.109	4167	-.185	4170	-.204	4464	.665	6370	-.650	4255	-.254
4032	-.209	4255	-.170	4230	-.187	4566	.419	6670	-.777	4464	-.176
4255	-.158	4464	-.130	4300	-.159	4780	.149	6800	-.798	4566	-.150
4466	-.143	4566	-.091	4440	-.154	5000	0.000	7100	-.835	4785	-.085
4566	-.104	4785	-.045	4510	-.128	5264	-.237	7460	-.894	5000	0.000
4780	-.074	5000	0.000	4580	-.110	5556	-.562	7530	-.910	5263	.065
5000	0.000	5263	.068	4615	-.081	5840	-.750	7850	-.942	5556	.147
5263	.061	5500	.088	4680	-.072	6050	-.851	8000	-.937	0	0.000
5556	.123	5556	.108	4785	-.055	0	0.000	8080	-.949	0	0.000
5840	.113	5840	.170	5000	0.000	0	0.000	8400	-1.027	0	0.000
6056	.174	6055	.209	5260	.035	0	0.000	9700	-1.143	0	0.000
6436	-.258	6370	.255	5560	.088	0	0.000	9950	-1.253	0	0.000
6800	.345	6800	.307	5840	.139	0	0.000	10000	-1.236	0	0.000
0	0.000	7100	.340	6050	.193	0	0.000	10250	-1.226	0	0.000
0	0.000	7530	.425	6370	.240	0	0.000	10400	-1.251	0	0.000
0	0.000	7850	.463	6800	.292	0	0.000	10550	-1.247	0	0.000
0	0.000	8080	.476	7100	.334	0	0.000	10800	-1.258	0	0.000

TABLE 2—Continued

KAPPA CEN		HD 133029		ETA 800		LAMBDA LUP		45 B00	
B-V	HR 5576	HR 5597	HR 5602	HR 5625	HR 5626	HR 5634	HR 5634	HR 5634	HR 5634
B-V	-0.24	-0.14	0.96	-0.11	-0.18	0.44	0.44	0.44	0.44
SP	B2V	AP	G8 III	B7VNN	B3V	F5V	F5V	F5V	F5V
RW	60	20-60	50/100	60	60	48/64	48/64	48/64	48/64
OBS	MOR	AD	SCH	MOR	MOR	STI	STI	STI	STI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	-.166	3200	.884	3300	2.440	3300	.394	3300	-.026
3400	-.117	3300	.787	3390	2.535	3400	.373	3400	.003
3500	-.110	3390	.811	3448	2.459	3500	.360	3500	.020
3600	-.033	3448	.790	3509	2.337	3600	.377	3600	.077
4200	-.276	3509	.758	3571	2.295	4200	-.266	4200	-.286
4425	-.207	3571	.757	3636	1.987	4425	-.197	4425	-.197
4600	-.116	3636	.747	4036	1.003	4600	-.116	4600	-.116
4750	-.094	4032	-.269	4167	.975	4750	-.104	4750	-.084
5000	0.000	4167	-.215	4255	.835	5000	0.000	5000	0.000
5200	.071	4255	-.178	4464	.385	5200	.041	5200	.051
5400	.105	4464	-.163	4566	.289	5400	.085	5400	.095
5600	.146	4566	-.137	4780	.059	5600	.116	5600	.186
5800	.242	4785	-.088	5000	0.000	5800	.252	5800	.252
6000	.221	5000	0.000	5264	-.117	0	0.000	5840	-.129
0	0.000	5264	.130	5556	-.282	0	0.000	6054	-.136
0	0.000	5556	.152	5840	-.390	0	0.000	6440	-.144
0	0.000	5840	.194	6050	-.451	0	0.000	6792	-.167
0	0.000	6056	.259	0	0.000	0	0.000	7102	-.182
0	0.000	6370	.362	0	0.000	0	0.000	7552	-.175
0	0.000	6800	.425	0	0.000	0	0.000	7782	-.193
0	0.000	7100	.486	0	0.000	0	0.000	0	0.000

24 L1B		DELTA 800		27 BETA LIB		EPSILON LUP		NU LFP		51 MU1 B00	
B-V	HR 5652	HR 5681	HR 5685	HR 5708	HR 5719	HR 5733	HR 5733	HR 5733	HR 5733	HR 5733	HR 5733
B-V	-0.09	0.95	-0.11	-0.19		0.31	0.31	0.31	0.31	0.31	0.31
SP	A5I	G8 III	B9V	B3IV	A0S1	F0IV	F0IV	F0IV	F0IV	F0IV	F0IV
RW	50	50/100	48/64	60	50	40/80	40/80	40/80	40/80	40/80	40/80
OBS	HYL	SCH	MUR	MOR	HYL	DP	DP	DP	DP	DP	DP
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.605	3300	2.420	3400	.585	3300	-.116	3390	.525	3509	1.273
3448	.599	3390	2.565	3450	.605	3400	-.077	3448	.529	3571	1.268
3509	.607	3448	2.349	3500	.606	3500	-.070	3509	.517	3636	1.205
3570	.625	3509	2.197	3560	.584	3600	-.033	3570	.525	4032	.126
3636	.617	3571	2.205	3615	.595	4200	-.306	3636	.527	4167	.132
4036	-.247	3636	1.927	3670	.593	4425	-.227	4036	-.257	4255	.084
4167	-.205	4036	.973	4050	-.289	4600	-.146	4167	-.195	4464	.014
4255	-.195	4167	.895	4170	-.254	4750	-.094	4255	-.185	4566	.023
4464	-.155	4255	.835	4230	-.237	5000	0.000	4464	-.155	4785	-.036
4566	-.101	4464	.365	4300	-.229	5200	.061	4566	-.111	5000	0.000
4780	-.051	4566	.279	4440	-.184	5400	.095	4780	-.071	5263	-.014
5000	0.000	4780	.054	4510	-.158	5600	.166	5000	0.000	5556	-.068
5264	.093	5000	0.000	4580	-.140	5800	.252	5264	.103	5848	-.067
5556	.138	5264	-.137	4615	-.101	0	0.000	5556	.118	6061	-.060
5840	.250	5556	-.302	4680	-.092	0	0.000	5840	.270	6452	-.059
0	0.000	5840	-.400	4785	-.075	0	0.000	0	0.000	6803	-.063
0	0.000	6050	-.441	5000	0.000	0	0.000	0	0.000	7092	-.031
0	0.000	0	0.000	5260	.045	0	0.000	0	0.000	7519	.007
0	0.000	0	0.000	5560	.118	0	0.000	0	0.000	7752	.030
0	0.000	0	0.000	5840	.179	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6050	.243	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6370	.310	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	6800	.362	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7100	.414	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 137569		BETA CRB HR 5747		BETA CRB HR 5747		BETA CRB HR 5747		HD 139323		HD 139341	
B-V	SP	HR 5747	FP	HR 5747	FP	HR 5747	FP	K3	K2	50	50
85 IIII	50	30/60	10	50	10	50	10	50	50	50	50
OBS	DAJ	BAO	WOL	JUS	JUS	WHI	WHI				
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3448	.779	3390	1.480	4032	.104	3390	1.565	4955	.023	4955	.020
3509	.757	3448	1.449	4255	.085	3448	1.549	5311	-.159	5311	-.141
3571	.750	3509	1.372	4464	.005	3509	1.467	5556	-.275	5556	-.247
3636	.732	3571	1.345	4566	-.011	3571	1.415	5747	-.400	5747	-.363
4036	-.216	3636	1.297	4780	-.081	3636	1.397	6053	-.485	6053	-.447
4167	-.185	4032	.119	5000	0.000	4032	.184	6431	-.543	6431	-.505
4255	-.180	4167	.110	5260	.032	4082	.184	6821	-.620	6821	-.583
4464	-.165	4255	.065	5550	-.022	4167	.165	7102	-.638	7102	-.600
4566	-.096	4464	.005	5800	-.013	4255	.135	7530	-.678	7530	-.630
4780	-.071	4566	-.001	6060	-.011	4367	.075	7819	-.724	7819	-.686
5000	0.000	4785	-.060	6370	.030	4464	.035	8065	-.732	8065	-.684
5264	.033	5000	0.000	6800	.042	4566	.019	8598	-.789	8598	-.721
5556	.068	5263	.048	7110	.075	4673	-.016	8850	-.786	8850	-.729
5850	.127	5556	-.012	7530	.135	4780	-.021	9950	-.831	9950	-.744
0	0.000	5882	-.015	7850	.158	4902	.001	10246	-.844	10246	-.776
0	0.000	6055	.114	8080	.171	5000	0.000	10526	-.856	10526	-.789
0	0.000	6370	.035	8400	.163	5128	.057	0	0.000	0	0.000
0	0.000	6800	.047	8800	.206	5263	.073	0	0.000	0	0.000
0	0.000	7100	.090	0	0.000	5556	.048	0	0.000	0	0.000
0	0.000	7530	.155	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7850	.193	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8080	.206	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8400	.198	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8805	.256	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9700	.262	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	9950	.292	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10250	.329	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10400	.324	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10800	.377	0	0.000	0	0.000	0	0.000	0	0.000

TAU LIB HR 5812		XI SER HR 5843		ALPHA SER HR 5854		ALPHA SER HR 5854		BD +33 2642		3 SCO HR 5912	
B-V	SP	HR 5843	AP	HR 5854	K2 IIII	HR 5854	K2 IIII	B21VP	B21VP	50	50
82.5V	60	30/60	WOL	JON	50/100	50/100	49/98	RDS	RDS	NOR	NOR
OBS	MOR										
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.014	4032	-.166	5000	0.000	3300	2.970	3300	-.106	3390	.272
3400	.023	4255	-.125	5263	-.107	3390	3.195	3350	-.063	3448	.266
3500	.030	4464	-.135	5560	-.426	3448	3.159	3400	-.064	3509	.267
3600	.067	4566	-.081	5882	-.565	3509	3.077	3450	-.048	3571	.286
4200	-.276	4780	-.091	6050	-.707	3571	3.085	3500	-.076	3636	.283
4425	-.187	5000	0.000	6370	-.720	3636	2.547	3571	-.052	4032	-.208
4600	-.126	5260	.042	6800	-.868	4036	1.353	3636	-.045	4167	-.175
4750	-.104	5550	.068	7100	-.925	4167	1.385	4036	-.319	4255	-.174
5000	0.000	5800	.107	7530	-1.010	4255	1.085	4167	-.258	4464	-.146
5200	.081	6060	.149	7850	-1.082	4464	.465	4255	-.236	4566	-.110
5400	.125	6370	.200	8080	-1.049	4566	.319	4464	-.196	4785	-.055
5600	.166	6800	.252	8400	-1.157	4780	.064	4566	-.157	5000	0.000
5800	.252	7110	.305	8805	-1.124	5000	0.000	4785	-.106	5263	.045
0	0.000	7530	.385	9700	-1.213	5264	-.167	5000	0.000	5556	.077
0	0.000	7850	.428	9950	-1.283	5556	-.392	5263	.036	0	0.000
0	0.000	8080	.451	10250	-1.316	5840	-.530	5556	.082	0	0.000
0	0.000	8400	.463	10400	-1.301	6050	-.611	5840	.163	0	0.000
0	0.000	8800	.466	10800	-1.288	0	0.000	6056	.220	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6436	.292	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6790	.336	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.369	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7550	.468	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7780	.470	0	0.000

TABLE 2—Continued

GAMMA SER HR 5933		HD 142883 HR 5934		FI SCO HR 5944		DELTA SCO HR 5953		DELTA SCO HR 5953		HR 5960	
B-V	0.48		0.02		-0.20		-0.11		-0.11		0.26
SP	F6 IV-V		B3V		B1V		B0V		B0V		F0IV
BW	50/100		50		50/100		50		60		40/80
ORS	SCH		WAT		SPO		DW		MOR		DP
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.360	3390	.442	3300	-.256	3300	-.285	3300	-.306	3509	1.323
3390	1.345	3448	.425	3390	-.244	3390	-.235	3400	-.217	3571	1.298
3448	1.309	3509	.417	3448	-.227	3448	-.226	3500	-.220	3636	1.225
3509	1.227	3571	.436	3509	-.177	3500	-.200	3600	-.173	4032	.076
3571	1.195	3636	.444	3570	-.182	3571	-.165	4200	-.216	4167	.092
3636	1.137	4032	-.142	3636	-.165	3636	-.158	4425	-.167	4255	.054
4036	.383	4167	-.135	4036	-.289	4032	-.256	4600	-.096	4464	.004
4167	.275	4255	-.114	4167	-.228	4167	-.230	4750	-.064	4566	.013
4255	.295	4464	-.086	4255	-.206	4255	-.215	5000	0.000	4785	-.036
4464	.105	4566	-.070	4464	-.146	4464	-.145	5200	.081	5000	0.000
4566	.099	4785	-.035	4566	-.147	4566	-.116	5400	.095	5263	-.004
4780	-.006	5000	0.000	4780	-.081	4785	-.070	5600	.146	5556	-.058
5000	0.000	5263	.025	5000	0.000	5000	0.000	5800	.222	5848	-.047
5264	-.057	5400	.040	5264	.066	5263	.048	6000	.271	6061	-.050
5556	-.122	5556	.067	5556	.132	5500	.088	0	0.000	6452	-.009
5840	-.170	5840	.069	5840	.223	5556	.098	0	0.000	6803	-.013
6050	-.171	6055	.103	6050	.310	5840	.175	0	0.000	7092	.009
0	0.000	6370	.160	0	0.000	6055	.229	0	0.000	7519	.037
0	0.000	6800	.212	0	0.000	6370	.285	0	0.000	7752	.060
0	0.000	7100	.234	0	0.000	6800	.357	0	0.000	0	0.000
0	0.000	7530	.306	0	0.000	7100	.400	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7530	.510	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7850	.553	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8080	.581	0	0.000	0	0.000

HR 5964		IOTA CRB HR 5971		IOTA CRB HR 5971		XI SCO HR 5977/8		NU HER HR 5982		HD 144334 HR 5988	
B-V			-0.07		-0.07		0.47		-0.09		-0.08
SP	F0IV		A0III-III		A0III-III		F5IV		AP		B9III
BW	40/80		30/60		10		40/80		10		50
ORS	DP		WOL		JUS		DP		JUS		NOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3509	1.283	4032	-.236	3390	.975	3509	1.323	3390	.705	3390	.302
3571	1.268	4255	-.185	3448	.949	3571	1.318	3448	.679	3448	.296
3636	1.185	4464	-.165	3509	.907	3636	1.225	3509	.667	3509	.297
4032	.096	4566	-.121	3571	.895	4032	.266	3571	.685	3571	.316
4167	.102	4780	-.091	3636	.897	4167	.242	3636	.677	3636	.303
4255	.064	5000	0.000	4032	-.196	4255	.204	4032	-.246	4032	-.238
4464	.014	5260	.042	4082	-.196	4464	.104	4082	-.236	4167	-.205
4566	.033	5550	.098	4167	-.175	4566	.073	4167	-.205	4255	-.194
4785	-.026	5800	.147	4255	-.165	4785	-.036	4255	-.195	4464	-.166
5000	0.000	6060	.199	4367	-.145	5000	0.000	4367	-.175	4566	-.120
5263	-.004	6370	.260	4464	-.135	5263	-.064	4464	-.165	4785	-.065
5556	-.068	6800	.332	4566	-.091	5556	-.148	4566	-.131	5000	0.000
5848	-.047	7110	.375	4673	-.076	5848	-.177	4673	-.096	5263	.065
6061	-.010	7530	.465	4780	-.051	6061	-.180	4780	-.061	5556	.087
6452	-.029	7850	.508	4902	-.019	6452	-.199	4902	-.029	0	0.000
6803	-.023	8080	.541	5000	0.000	6803	-.243	5000	0.000	0	0.000
7092	-.021	8400	.553	5128	.047	7092	-.251	5128	.037	0	0.000
7519	.017	8800	.566	5263	.053	7519	-.233	5263	.053	0	0.000
7752	.020	0	0.000	5556	.108	7752	-.250	5556	.108	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	5842	.164	0	0.000

TABLE 2—Continued

OMEGA1 SCO HR 5993		HD 144661 HR 5998		HD 144844 HR 6003		HD 144872		HD 145675		HD 145958	
B-V	-0.04		-0.05		0.01						
SP	B1V		B7IV		B9V		K3		K0		G8
BW	48/64		50		50		50		50		50
OBS	KUB		NOR		NOR		WHI		WHI		WHI
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	-.035	3390	.372	3390	.702	4955	.024	4955	.018	4955	.017
3450	-.015	3448	.386	3448	.696	5311	-.147	5311	-.124	5311	-.124
3560	.004	3509	.397	3509	.697	5556	-.314	5556	-.220	5556	-.201
3615	.025	3571	.396	3571	.696	5747	-.419	5747	-.335	5747	-.286
3670	.033	3636	.383	3636	.683	6053	-.533	6053	-.389	6053	-.340
4050	-.179	4032	-.198	4032	-.148	6431	-.581	6431	-.447	6431	-.418
4170	-.134	4167	-.175	4167	-.135	6821	-.689	6821	-.535	6821	-.466
4230	-.147	4255	-.164	4255	-.124	7102	-.736	7102	-.522	7102	-.493
4300	-.149	4464	-.146	4464	-.106	7530	-.797	7530	-.563	7530	-.504
4440	-.114	4566	-.100	4566	-.080	7819	-.843	7819	-.579	7819	-.540
4510	-.118	4785	-.065	4785	-.045	8065	-.880	8065	-.596	8065	-.567
4580	-.080	5000	0.000	5000	0.000	8598	-.927	8598	-.633	8598	-.604
4615	-.081	5263	.045	5263	.045	8850	-.935	8850	-.641	8850	-.622
4680	-.052	5556	.087	5556	.067	9950	-1.020	9950	-.666	9950	-.637
4785	-.055	0	0.000	0	0.000	10246	-1.012	10246	-.678	10246	-.639
5000	0.000	0	0.000	0	0.000	10526	-1.025	10526	-.691	10526	-.632
5260	.005	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
5560	.028	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
5840	.119	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6050	.143	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6370	.210	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6800	.282	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.304	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

PHI HER HR 6023		GAMMA1 NOR HR 6058		SIGMA SCO HR 6084		SIGMA SCO HR 6084		TAU HFR HR 6092		TAU HER HR 6092	
B-V	-0.05		0.80		0.13		0.13		-0.15		-0.15
SP	AP		F8IAB		B1III		B1III		B5IV		B5IV
BW	10		50		50/100		50		48/64		10
OBS	JUS		SEG		SPO		WAT		KUB		JUS
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.855	5556	-.309	3300	.144	3390	.232	3400	.285	3390	.275
3448	.829	5840	-.467	3390	.186	3448	.215	3450	.285	3448	.289
3509	.797	6055	-.494	3448	.143	3509	.227	3500	.296	3509	.267
3571	.785	6370	-.535	3509	.183	3571	.236	3560	.314	3571	.315
3636	.787	6800	-.593	3570	.188	3636	.234	3615	.305	3636	.317
4032	-.196	7100	-.652	3636	.185	4032	-.022	3670	.323	4032	-.306
4082	-.186	7530	-.690	4036	-.029	4167	-.025	4050	-.269	4082	-.286
4167	-.175	7819	-.729	4167	.002	4255	-.014	4170	-.244	4167	-.245
4255	-.165	8080	-.752	4255	-.006	4464	-.026	4230	-.187	4255	-.225
4367	-.155	8400	-.829	4464	-.016	4566	-.020	4300	-.229	4367	-.205
4464	-.145	8905	-.840	4566	-.007	4785	-.025	4440	-.174	4464	-.185
4566	-.101	9700	-.903	4784	-.005	5000	0.000	4510	-.148	4566	-.141
4673	-.086	9950	-.905	5000	0.000	5263	-.015	4580	-.130	4673	-.126
4780	-.051	10250	-.937	5264	.006	5400	-.010	4615	-.111	4780	-.071
4902	-.029	10400	-.907	5556	.002	5556	-.003	4680	-.092	4902	-.039
5000	0.000	10800	-.893	5840	.043	5840	-.021	4785	-.075	5000	0.000
5128	.047	0	0.000	6055	.030	6055	-.007	5000	0.000	5128	.027
5263	.053	0	0.000	0	0.000	6370	.020	5260	.065	5263	.073
5556	.098	0	0.000	0	0.000	6800	.052	5560	.148	5556	.118
0	0.000	0	0.000	0	0.000	7100	.064	5840	.229	0	0.000
0	0.000	0	0.000	0	0.000	7530	.116	6050	.283	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6370	.370	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.432	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.494	0	0.000

TABLE 2--Continued

SIGMA SER		OMEGA HER		OMEGA HER		CHI OPH		OMEGA OPH			
HR 6093		HR 6117		HR 6117		HR 6118		HR 6143			
B-V	0.32	B-V	0.01	B-V	0.01	B-V	0.28	B-V	0.17		
SP	F0V	SP	AP	SP	AP	SP	B2V	SP	AP		
Bw	50	Bw	30/60	Bw	10	Bw	60	Bw	30/60		
OBS	BA0	OBS	WOL	OBS	JUS	OBS	MOR	OBS	MOR		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.360	4032	-.156	3390	1.275	3300	.194	3300	-.166	4032	-.066
3448	1.319	4255	-.115	3448	1.249	3400	.163	3400	-.137	4255	-.045
3509	1.292	4464	-.135	3509	1.187	3500	.100	3500	-.100	4464	-.075
3571	1.235	4566	-.081	3571	1.165	3600	.087	3600	-.063	4566	-.021
3636	1.157	4780	-.071	3636	1.147	4200	.024	4200	-.276	4780	-.021
4032	-.179	5000	0.000	4032	-.156	4425	.033	4425	-.187	5000	0.000
4167	-.140	5260	.072	4082	-.146	4600	.054	4600	-.106	5260	.062
4255	-.095	5550	.098	4167	-.125	4750	.046	4750	-.084	5550	.058
4464	.035	5800	.137	4255	-.115	5000	0.000	5000	0.000	5800	.097
4566	-.019	6060	.169	4367	-.115	5200	-.019	5200	.071	6060	.129
4785	-.030	6370	.220	4464	-.115	5400	-.015	5400	.125	6370	.170
5000	0.000	6800	.282	4566	-.071	5600	-.034	5600	.166	6800	.192
5263	-.022	7110	.325	4673	-.056	5800	-.038	5800	.232	7110	.225
5556	-.082	7530	.415	4780	-.061	6000	-.029	6000	.261	7530	.285
5882	-.075	7850	.448	4902	-.029	0	0.000	0	0.000	7850	.318
6055	-.076	8080	.471	5000	0.000	0	0.000	0	0.000	8080	.331
6370	-.075	8400	.483	5128	.047	0	0.000	0	0.000	8400	.323
6800	-.103	8800	.476	5263	.073	0	0.000	0	0.000	8800	.336
7100	-.090	0	0.000	5556	.078	0	0.000	0	0.000	0	0.000
7530	-.065	0	0.000	5882	.124	0	0.000	0	0.000	0	0.000
7850	-.047	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8080	-.064	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8400	-.082	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8805	-.004	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9700	-.002	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9950	-.008	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10250	.039	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10400	.024	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10800	.067	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

TAU SCO		TAU SCO		TAU SCO		12 OPH		ZETA OPH		ZETA OPH	
HR 6165		HR 6165		HR 6165		HR 6171		HR 6175		HR 6175	
B-V	-0.26	B-V	-0.26	B-V	-0.26	B-V	0.81	B-V	0.02	B-V	0.02
SP	R0V	SP	R0V	SP	R0V	SP	R0V	SP	09.5V	SP	09.5V
Bw	50	Bw	50	Bw	60	Bw	50	Bw	50	Bw	48/64
OBS	AFN	OBS	NOR	OBS	MOR	OBS	WHI	OBS	DW	OBS	KUB
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3392	-.440	3390	-.458	3300	-.536	4955	.019	3300	-.125	3400	-.125
3441	-.453	3448	-.435	3400	-.437	5311	-.132	3390	-.075	3450	-.115
3504	-.421	3509	-.423	3500	-.440	5556	-.238	3448	-.091	3500	-.094
3567	-.386	3571	-.364	3600	-.373	5747	-.344	3509	-.083	3560	-.096
3634	-.359	3636	-.336	4200	-.296	6053	-.388	3571	-.065	3615	-.105
4032	-.396	4032	-.358	4425	-.237	6431	-.466	3636	-.063	3670	-.087
4082	-.361	4167	-.315	4600	-.146	6821	-.544	4032	-.131	4050	-.169
4167	-.313	4255	-.294	4750	-.114	7102	-.571	4167	-.120	4170	-.154
4255	-.270	4464	-.216	5000	0.000	7530	-.601	4255	-.115	4230	-.137
4367	-.234	4566	-.180	5200	.071	7819	-.627	4464	-.080	4300	-.139
4464	-.206	4785	-.105	5400	.135	8065	-.655	4566	-.066	4440	-.104
4566	-.151	5000	0.000	5600	.156	8598	-.702	4785	-.040	4510	-.098
4673	-.118	5263	.065	5800	.222	8850	-.699	5000	0.000	4580	-.080
5000	0.000	5556	.147	6000	.351	9950	-.725	5263	.013	4615	-.031
5177	.038	0	0.000	0	0.000	10246	-.737	5500	.028	4680	-.022
5261	.078	0	0.000	0	0.000	10526	-.729	5556	.038	4785	-.045
5556	.167	0	0.000	0	0.000	0	0.000	5840	.085	5000	0.000
5848	.269	0	0.000	0	0.000	0	0.000	6055	.119	5260	-.005
0	0.000	0	0.000	0	0.000	0	0.000	6370	.160	5560	-.038
0	0.000	0	0.000	0	0.000	0	0.000	6800	.187	5840	.079
0	0.000	0	0.000	0	0.000	0	0.000	7100	.215	6050	.113
0	0.000	0	0.000	0	0.000	0	0.000	7530	.280	6370	.170
0	0.000	0	0.000	0	0.000	0	0.000	7850	.328	6800	.192
0	0.000	0	0.000	0	0.000	0	0.000	8080	.311	7100	.234

TABLE 2—Continued

ZETA OPH HR 6175		ZETA OPH HR 6175		HD 149822 HR 6176		HD 149881		HD 150549 HR 6204		ZETA HER AB HR 6212	
B-V	0.02	B-V	0.02	B-V	-0.11	B-V		B-V	-0.08	B-V	0.84
SP	09.5V	SP	09.5V	SP	AP	SP	B0.5III	SP	AS1	SP	G0 IV
BW	50	BW	60	BW	30/60	BW	50	BW	50	BW	
OBS	OKE	OBS	MOR	OBS	WOL	OBS	WAT	OBS	HYL	OBS	JON
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	-.075	3300	-.085	5260	.032	3390	-.358	3390	.495	5000	0.000
3448	-.081	3400	-.061	5550	.067	3448	-.345	3448	.479	5263	-.107
3509	-.073	3500	-.074	5800	.077	3509	-.323	3509	.487	5560	-.216
3571	-.050	3600	-.051	6060	.108	3571	-.284	3570	.495	5882	-.255
3636	-.048	4200	-.100	6370	.170	3636	-.266	3636	.477	6050	-.327
4032	-.126	4425	-.068	6800	.232	4032	-.332	4036	-.217	6370	-.360
4167	-.115	4600	-.031	7110	.284	4167	-.275	4167	-.215	6800	-.428
4255	-.110	4750	-.033	7530	.395	4255	-.224	4255	-.205	7100	-.455
4464	-.065	5000	0.000	7850	.428	4464	-.176	4464	-.155	7530	-.450
4566	-.051	5200	.023	8080	.451	4566	-.130	4566	-.121	7850	-.472
4785	-.035	5400	.043	8400	.462	4785	-.075	4780	-.081	8080	-.479
5000	0.000	5600	.061	8800	.486	5000	0.000	5000	0.000	8400	-.507
5263	.018	5800	.096	0	0.000	5263	.065	5264	.063	9700	-.463
5556	.048	6000	.103	0	0.000	5400	.100	5556	.108	9950	-.513
5840	.100	0	0.000	0	0.000	5556	.157	5840	.170	10250	-.516
6055	.139	0	0.000	0	0.000	5840	.209	0	0.000	10400	-.561
6370	.170	0	0.000	0	0.000	6055	.263	0	0.000	10800	-.558
6800	.212	0	0.000	0	0.000	6370	.340	0	0.000	0	0.000
7100	.235	0	0.000	0	0.000	6800	.432	0	0.000	0	0.000
7530	.315	0	0.000	0	0.000	7100	.484	0	0.000	0	0.000
7850	.348	0	0.000	0	0.000	7530	.586	0	0.000	0	0.000
8080	.361	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8400	.373	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8805	.476	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9700	.577	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9950	.602	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10250	.649	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10400	.664	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10800	.722	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

HD 151248		ETA HER HR 6220		45 HER HR 6234		20 OPH HR 6243		MU1 SCO HR 6247		52 HER HR 6254	
B-V		B-V	0.92	B-V	-0.02	B-V	0.47	B-V	-0.21	B-V	0.08
SP	K7	SP	G7 III-IV	SP	AP	SP	F5IV-V	SP	B1.5V	SP	A2P
BW	50	BW	50/100	BW	30/60	BW	40/80	BW	60	BW	50
OBS	WHI	OBS	5CH	OBS	WOL	OBS	NP	OBS	MOR	OBS	BA0
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.045	3300	2.360	4032	-.236	3509	1.333	3300	-.296	3390	1.300
5311	-.287	3390	2.385	4255	-.165	3571	1.328	3400	-.227	3448	1.289
5556	-.573	3448	2.279	4464	-.175	3636	1.235	3500	-.210	3509	1.212
5747	-.778	3509	2.147	4566	-.091	4032	.316	3600	-.153	3571	1.205
6053	-.953	3571	2.135	4740	-.081	4167	.292	4200	-.316	3636	1.167
6431	-1.101	3636	1.847	5000	0.000	4255	.244	4425	-.237	4032	-.111
6821	-1.138	4036	.933	5260	.052	4464	.114	4600	-.146	4167	-.080
7102	-1.326	4167	.895	5550	.088	4566	.093	4750	-.104	4255	-.085
7530	-1.516	4255	.795	5800	.127	4785	-.016	5000	0.000	4464	-.105
7819	-1.582	4464	.335	6060	.169	5000	0.000	5200	.061	4566	-.071
8065	-1.659	4566	.249	6370	.230	5263	-.054	5400	.105	4785	-.070
8598	-1.707	4740	.054	6800	.282	5556	-.158	5600	.166	5000	0.000
8850	-1.754	5000	0.000	7110	.325	5848	-.197	5800	.252	5263	.078
9950	-1.889	5264	-.107	7530	.405	6061	-.220	6000	.331	5556	.078
10246	-1.912	5556	-.262	7850	.438	6452	-.249	0	0.000	5882	.115
10526	-1.944	5840	-.380	8080	.473	6803	-.303	0	0.000	6055	.144
0	0.000	6050	-.411	8400	.471	7092	-.321	0	0.000	6370	.175
0	0.000	0	0.000	8800	.446	7519	-.313	0	0.000	6800	.217
0	0.000	0	0.000	0	0.000	7752	-.320	0	0.000	7100	.260
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.345
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	.383
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	.396
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8400	.388
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8805	.436
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9700	.452
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	9950	.492
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10250	.509
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10400	.524
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10800	.577

TABLE 2—Continued

52 HER		ZETA SCO		49 HER		HD 153882		60 HER		ZETA DRA	
R-V	HR 6254	HR 6262	0.60	HR 6268	-0.05	HR 6326	0.04	HR 6355	0.12	HR 6396	-0.11
SP	A2P	B1E1A		AP		AP		A3IV		B6III	
BW	10	9		30/60		30/60		40/80		50/100	
OBS	JUS	AFN		WOL		WOL		DP		SPO	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.345	3392	.633	5260	.041	4032	-.136	3509	1.313	3300	.514
3448	1.349	3441	.603	5550	.086	4255	-.095	3571	1.278	3390	.536
3509	1.287	3504	.565	5800	.136	4464	-.125	3636	1.235	3448	.543
3571	1.255	3567	.529	6060	.167	4566	-.051	4032	-.094	3509	.513
3636	1.207	3634	.484	6370	.219	4780	-.071	4167	-.058	3570	.528
4032	-.076	4032	.271	6800	.290	5000	0.000	4255	-.076	3636	.515
4082	-.066	4082	.267	7110	.343	5260	.102	4464	-.096	4036	-.289
4167	-.055	4167	.246	7530	.444	5550	.088	4566	-.047	4167	-.228
4255	-.065	4255	.222	7850	.466	5800	.107	4785	-.046	4255	-.216
4367	-.075	4367	.177	8080	.499	6060	.139	5000	0.000	4464	-.156
4464	-.075	4464	.136	8400	.521	6370	.180	5263	.046	4566	-.137
4566	-.051	4566	.123	8800	.525	6800	.232	5556	.062	4780	-.096
4673	-.046	4673	.086	0	0.000	7110	.275	5848	.113	5000	0.000
4780	-.051	5000	0.000	0	0.000	7530	.355	6061	.130	5264	.076
4902	-.029	5127	-.040	0	0.000	7850	.378	6452	.181	5556	.142
5000	0.000	5261	-.079	0	0.000	8080	.391	6803	.217	5840	.223
5128	.067	5556	-.167	0	0.000	8400	.403	7092	.269	6050	.270
5263	.093	5868	-.250	0	0.000	8800	.396	7519	.347	0	0.000
5556	.078	0	0.000	0	0.000	0	0.000	7752	.370	0	0.000

DELTA HER		DELTA HER		THETA OPH		THETA OPH		HD 157881		55 XI SFR	
R-V	HR 6410	HR 6410	0.08	HR 6453	-0.21	HR 6453	-0.21			HR 6493	0.41
SP	A3VN	A3VN		R2IV		R2IV		K7		F3V	
BW	50/100	50		50		50		50		40/80	
OBS	SPO	WPH		WOT		NOR		WHI		DP	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.404	3300	1.402	3390	-.138	3390	-.168	4955	.045	3509	1.193
3390	1.386	3400	1.363	3448	-.125	3448	-.145	5311	-.287	3571	1.168
3448	1.363	3450	1.328	3509	-.113	3509	-.133	5556	-.573	3636	1.135
3509	1.313	3500	1.309	3571	-.084	3571	-.104	5747	-.788	4032	.206
3570	1.288	3570	1.302	3636	-.076	3636	-.086	6053	-.963	4167	.192
3636	1.215	3636	1.251	4032	-.332	4032	-.318	6431	-1.111	4255	.144
4036	-.119	4032	-.106	4167	-.285	4167	-.275	6821	-1.148	4464	.054
4167	-.088	4167	-.092	4255	-.244	4255	-.264	7102	-1.336	4566	.053
4255	-.086	4255	-.093	4464	-.186	4464	-.186	7530	-1.556	4785	-.026
4464	-.086	4466	-.083	4566	-.150	4566	-.140	7819	-1.602	5000	0.000
4566	-.067	4566	-.057	4785	-.075	4785	-.095	8065	-1.689	5263	-.034
4780	-.026	4780	-.054	5000	0.000	5000	0.000	8598	-1.757	5556	-.098
5000	0.000	5000	0.000	5263	.075	5263	.075	8850	-1.804	5848	-.117
5264	.046	5263	.027	5400	.120	5556	.157	9950	-1.949	6061	-.110
5556	.072	5556	.047	5556	.177	0	0.000	10246	-1.982	6452	-.149
5840	.113	5840	.075	5840	.239	0	0.000	10526	-2.014	6803	-.163
6050	.140	6056	.109	6055	.303	0	0.000	0	0.000	7092	-.161
0	0.000	6370	.158	6370	.380	0	0.000	0	0.000	7519	-.133
0	0.000	6800	.231	6800	.502	0	0.000	0	0.000	7752	-.110
0	0.000	7100	.276	7100	.564	0	0.000	0	0.000	0	0.000
0	0.000	7530	.386	7530	.666	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

IOTA HER HR 6588		IOTA HER HR 6588		IOTA HER HR 6588		MU HER HR 6623		MU HER HR 6623		HD 161817	
B-V	-0.18	B-V	-0.18	B-V	-0.18	B-V	0.79	B-V	0.79		0.18
SP	83V	SP	83V	SP	83V	SP	65 IV	SP	65 IV		A2 VI
BW	10	BW	25/50	BW	48/64	BW		BW	50/100		
ORS	JUS	ORS	KO	ORS	KUB	ORS	JON	ORS	SCH		JON
LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.125	3297	.070	3400	.065	5000	0.000	3300	1.940	5560	.122
3448	.109	3390	.085	3450	.085	5060	-.048	3390	1.955	5810	.177
3509	.127	3448	.089	3500	.096	5263	-.067	3448	1.949	6050	.131
3571	.135	3509	.087	3560	.094	5560	-.226	3509	1.787	6670	.221
3636	.147	3571	.105	3615	.125	5810	-.362	3571	1.825	7460	.285
4032	-.296	3636	.117	3670	.123	5882	-.305	3636	1.557	8000	.341
4082	-.286	4032	-.316	4050	-.309	6050	-.367	4036	.683	8750	.413
4167	-.255	4167	-.295	4170	-.284	6370	-.410	4167	.625	9190	.568
4255	-.235	4255	-.275	4230	-.257	6670	-.477	4255	.605	10000	.523
4367	-.195	4464	-.175	4300	-.259	6800	-.478	4464	.225	10550	.461
4464	-.175	4566	-.161	4440	-.214	7100	-.475	4566	.149	0	0.000
4566	-.141	4780	-.091	4510	-.188	7460	-.484	4780	-.005	0	0.000
4673	-.126	5000	0.000	4580	-.150	7530	-.450	5000	0.000	0	0.000
4780	-.071	5255	.071	4615	-.121	7850	-.502	5264	-.107	0	0.000
4902	-.029	5556	.158	4680	-.112	8000	-.517	5556	-.222	0	0.000
5000	0.000	5840	.250	4785	-.085	8080	-.509	5840	-.310	0	0.000
5128	.047	6055	.299	5000	0.000	8400	-.567	6050	-.331	0	0.000
5263	.053	6370	.360	5260	.055	9700	-.553	0	0.000	0	0.000
5556	.138	6800	.452	5560	.138	9950	-.583	0	0.000	0	0.000
0	0.000	7100	.525	5840	.219	10000	-.546	0	0.000	0	0.000
0	0.000	7530	.665	6050	.273	10250	-.566	0	0.000	0	0.000
0	0.000	7850	.718	6370	.360	10400	-.541	0	0.000	0	0.000
0	0.000	0	0.000	6800	.432	10550	-.527	0	0.000	0	0.000
0	0.000	0	0.000	7100	.504	10800	-.508	0	0.000	0	0.000

GAMMA OPH HR 6629		GAMMA OPH HR 6629		HR 6647		HR 6647		HR 6652		HR 6657	
B-V	0.04	B-V	0.04	B-V	-0.12	B-V	-0.12	B-V	A0	B-V	B9
SP	A0V	SP	A0V	SP	88	SP	88	SP	50	SP	50
BW	50	BW	48/64	BW	50	BW	50	BW	50	BW	50
ORS	WKM	ORS	KUR	ORS	NOR	ORS	HYL	ORS	HYL	ORS	HYL
LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.282	3400	1.245	3390	.182	3390	.205	3390	1.245	3390	.605
3400	1.262	3450	1.225	3448	.196	3448	.199	3448	1.209	3448	.619
3450	1.245	3500	1.196	3509	.207	3509	.237	3509	1.187	3509	.617
3500	1.226	3560	1.194	3571	.236	3570	.255	3570	1.175	3570	.615
3570	1.202	3615	1.195	3636	.213	3636	.227	3636	1.157	3636	.637
3636	1.167	3670	1.153	4032	-.268	4036	-.237	4036	-.167	4036	-.217
4032	-.170	4050	-.169	4167	-.235	4167	-.205	4167	-.135	4167	-.195
4167	-.167	4170	-.174	4255	-.204	4255	-.175	4255	-.145	4255	-.175
4255	-.151	4230	-.147	4464	-.156	4464	-.135	4464	-.145	4464	-.125
4464	-.128	4300	-.089	4566	-.120	4566	-.101	4566	-.061	4566	-.081
4566	-.082	4440	-.134	4785	-.075	4780	-.071	4780	-.041	4780	-.041
4780	-.050	4510	-.108	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5000	0.000	4580	-.090	5263	.065	5264	.053	5264	.033	5264	.073
5263	.055	4615	-.081	5556	.097	5556	.128	5556	.058	5556	.138
5556	.099	4680	-.072	0	0.000	0	0.000	0	0.000	0	0.000
5840	.139	4785	-.045	0	0.000	0	0.000	0	0.000	0	0.000
6056	.173	5000	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6370	.241	5260	.035	0	0.000	0	0.000	0	0.000	0	0.000
6800	.326	5560	.078	0	0.000	0	0.000	0	0.000	0	0.000
7100	.380	5840	.129	0	0.000	0	0.000	0	0.000	0	0.000
7530	.482	6050	.173	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6370	.230	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	6800	.272	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	7100	.314	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2--Continued

HD 162679		HR 6662		HR 6663 0.01		HD 162780		HR 6668		HD 162888	
B-V											
SP											
BW	50		89		50		50		40		50
OHS	HYL		HYL		HYL		HYL		HYL		HYL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.065	3390	1.045	3390	1.135	3390	1.125	3390	1.365	3390	1.365
3448	1.039	3448	1.039	3448	1.129	3448	1.109	3448	1.339	3448	1.339
3509	1.017	3509	1.017	3509	1.087	3509	1.087	3509	1.297	3509	1.307
3570	.995	3570	1.015	3570	1.085	3570	1.055	3570	1.265	3570	1.245
3636	.977	3636	.977	3636	1.057	3636	1.037	3636	1.227	3636	1.217
4036	-.217	4036	-.197	4036	-.177	4036	-.187	4036	-.107	4036	-.097
4167	-.205	4167	-.165	4167	-.145	4167	-.155	4167	-.075	4167	-.065
4255	-.195	4255	-.145	4255	-.125	4255	-.135	4255	-.105	4255	-.095
4464	-.155	4464	-.125	4464	-.125	4464	-.115	4464	-.085	4464	-.085
4566	-.101	4566	-.081	4566	-.071	4566	-.071	4566	-.031	4566	-.021
4780	-.051	4780	-.051	4780	-.051	4780	-.041	4780	-.011	4780	-.011
5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000	5000	0.000
5264	.083	5264	.043	5264	.083	5264	.043	5264	.013	5264	.003
5556	.138	5556	.108	5556	.118	5556	.068	5556	.028	5556	.018

GAMMA DRA		HD 164258		57 SER		66 OPH		68 OPH		96 HER	
B-V											
SP											
BW	K5 III		AP		F3V		R2VE		A2VN		B3V
OHS	50/100		30/60		50		50		50		25/50
	SCH		WOL		SFG		SCF		WKH		KO
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3448	3.949	5000	0.000	5556	-.094	3300	-.023	3300	1.286	3297	.190
3509	3.817	5260	.012	5840	-.142	3390	.039	3400	1.264	3390	.195
3571	3.845	5550	-.012	6055	-.148	3509	.026	3450	1.232	3448	.209
3636	3.447	5800	.007	6370	-.140	3571	.002	3500	1.227	3509	.207
4036	2.013	6060	.019	6800	-.128	3636	.018	3570	1.201	3571	.225
4167	1.795	6370	.060	7100	-.147	4055	-.145	3636	1.173	3636	.237
4255	1.575	6800	.082	7530	-.135	4195	-.124	4032	-.160	4032	-.216
4464	.635	7110	.115	7850	-.135	4233	-.123	4167	-.156	4167	-.235
4566	.409	7530	.195	8080	-.117	4420	-.108	4255	-.146	4255	-.225
4780	.125	7850	.208	8400	-.173	4582	-.094	4466	-.114	4466	-.155
5000	0.000	8080	.221	8805	-.035	4810	-.042	4566	-.085	4566	-.131
5264	-.277	8400	.223	9700	-.068	4975	.043	4780	-.058	4780	-.081
5556	-.602	8800	.206	9950	-.089	5100	.042	5000	0.000	5000	0.000
5840	-.810	0	0.000	10250	-.082	5250	.039	5263	.058	5255	.061
6050	-.951	0	0.000	10400	-.062	5490	.059	5556	.083	5556	.118
0	0.000	0	0.000	10800	-.008	5625	.066	5840	.125	5840	.190
0	0.000	0	0.000	0	0.000	5800	.086	6056	.163	6055	.239
0	0.000	0	0.000	0	0.000	6000	.151	6370	.225	6370	.290
0	0.000	0	0.000	0	0.000	0	0.000	6800	.310	6800	.372
0	0.000	0	0.000	0	0.000	0	0.000	7100	.358	7100	.435
0	0.000	0	0.000	0	0.000	0	0.000	7530	.452	7530	.535
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	.508

TABLE 2—Continued

V986 OPH		OMICRON HER		HD 166620		ETA SER		HR 6873		EPSILON SGR	
HR 6747		HR 6779		HR 6806		HR 6869		HR 6873		HR 6879	
B-V	-0.01	-0.02		0.87		0.94		-0.04		-0.03	
SP	B0.5111	B9.5V		K2V		K0 IV		RE		B91V	
BW	50	50		50		50/100		50		50	
OBS	WAT	WKH		WHI		SCH		SCF		DW	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	-.198	3300	1.219	4955	.022	3300	2.290	3300	.229	3300	1.185
3448	-.185	3400	1.193	5311	-.150	3390	2.425	3390	.251	3390	1.185
3509	-.173	3450	1.179	5556	-.266	3448	2.289	3509	.297	3448	1.149
3571	-.134	3500	1.161	5747	-.361	3509	2.197	3571	.273	3509	1.127
3636	-.126	3570	1.154	6053	-.426	3571	2.185	3636	.290	3571	1.115
4032	-.182	3636	1.129	6431	-.494	3636	1.887	4055	-.184	3636	1.077
4167	-.165	4032	-.203	6821	-.591	4036	.943	4195	-.153	4032	-.226
4255	-.124	4167	-.162	7102	-.629	4167	.895	4233	-.122	4167	-.195
4464	-.096	4255	-.150	7530	-.639	4255	.845	4420	-.087	4255	-.180
4566	-.070	4466	-.130	7819	-.695	4464	.355	4582	-.083	4464	-.140
4785	-.035	4566	-.085	8065	-.722	4566	.259	4810	-.051	4566	-.091
5000	0.000	4780	-.058	8598	-.760	4780	.050	4975	.014	4785	-.060
5263	.005	5000	0.000	8850	-.767	5000	0.000	5100	.023	5000	0.000
5400	.030	5263	.046	9950	-.832	5264	-.117	5250	.050	5263	.053
5556	.047	5556	.095	10246	-.835	5556	-.272	5490	.070	5500	.083
5840	.059	5840	.143	10526	-.837	5840	-.410	5625	.067	5556	.093
6055	.093	6056	.189	0	0.000	6050	-.461	5800	.127	5840	.155
6370	.160	6370	.248	0	0.000	0	0.000	6000	.162	6055	.204
6800	.222	6800	.310	0	0.000	0	0.000	0	0.000	6370	.245
7100	.264	7100	.358	0	0.000	0	0.000	0	0.000	6800	.302
7530	.346	7530	.454	0	0.000	0	0.000	0	0.000	7100	.335
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.420
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7850	.458
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	8080	.466

EPSILON SGR		ALPHA TEL		PHI DRA		39 DRA		DELTA I TEL		HR 6958	
HR 6879		HR 6897		HR 6920		HR 6923		HR 6934		HR 6958	
B-V	-0.03	-0.18		-0.10		0.09		-0.12		-0.06	
SP	B91V	B3111		A0 V		A1V		B61V		AP	
BW	9	50		10		48/64		60		30/60	
OBS	AFN	NOR		JUS		STI		MOR		AD	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3392	1.241	3390	.102	3390	.685	3350	1.356	3300	.474	3300	.943
3441	1.211	3448	.105	3448	.669	3400	1.301	3400	.443	3390	.975
3504	1.172	3509	.127	3509	.657	3450	1.277	3500	.430	3448	.908
3567	1.138	3571	.156	3571	.655	3500	1.269	3600	.457	3509	.912
3634	1.096	3636	.154	3636	.647	3570	1.235	4200	-.276	3571	.881
4032	-.217	4032	-.308	4032	-.236	3636	1.201	4425	-.187	3636	.857
4082	-.199	4167	-.285	4082	-.226	4035	-.122	4600	-.116	4032	-.169
4167	-.178	4255	-.264	4167	-.205	4168	-.115	4750	-.084	4167	-.115
4255	-.155	4464	-.176	4255	-.185	4255	-.095	5000	0.000	4255	-.124
4367	-.141	4566	-.140	4367	-.165	4465	-.082	5200	.051	4464	-.108
4464	-.131	4785	-.085	4464	-.145	4565	-.049	5400	.085	4566	-.084
4566	-.096	5000	0.000	4566	-.121	5264	.050	5600	.116	4785	-.065
4673	-.078	5263	.085	4673	-.106	5560	.061	5800	.172	5000	0.000
5000	0.000	5556	.157	4780	-.061	5840	.120	6000	.231	5264	.120
5127	.021	0	0.000	4902	-.029	6054	.146	0	0.000	5556	.095
5261	.044	0	0.000	5000	0.000	6440	.200	0	0.000	5840	.122
5556	.086	0	0.000	5128	.047	6792	.221	0	0.000	6056	.179
5868	.135	0	0.000	5263	.073	7102	.247	0	0.000	6370	.233
0	0.000	0	0.000	5556	.108	7552	.321	0	0.000	6800	.263
0	0.000	0	0.000	5882	.144	7782	.332	0	0.000	7100	.335

TABLE 2—Continued

ALPHA LYR HR 7001		DELTA SCT HR 7020		HR 7029		27 PHI SGR HR 7039		HD 173650 HR 7058		110 HER HR 7061	
B-V	0.00		0.35		-0.19		-0.10		0.02		0.46
SP	A0V	F3III-IV			B2V		B8III		AF		F6V
BW		40/80			60		50		30/60		40/80
OBS	STD	DP			MOR		NOR		WOL		DP
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.240	3509	1.403	3300	-.086	3390	.632	4032	-.146	3509	1.273
3350	1.248	3571	1.398	3400	-.027	3448	.625	4255	-.095	3571	1.228
3400	1.232	3636	1.315	3500	-.040	3509	.627	4464	-.125	3636	1.165
3450	1.218	4032	.166	3600	.017	3571	.636	4566	-.061	4032	.306
3500	1.200	4167	.162	4200	-.306	3636	.624	4780	-.051	4167	.262
3571	1.180	4255	.104	4425	-.227	4032	-.278	5000	0.000	4255	.234
3636	1.162	4464	.044	4600	-.146	4167	-.245	5260	.072	4464	.104
4036	-.196	4566	.033	4750	-.104	4255	-.224	5550	.078	4566	.103
4167	-.175	4785	-.056	5000	0.000	4464	-.176	5800	.117	4785	-.006
4255	-.160	5000	0.000	5200	.051	4566	-.110	6060	.139	5000	0.000
4464	-.135	5263	-.024	5400	.085	4785	-.055	6370	.200	5263	-.044
4566	-.096	5556	-.108	5600	.126	5000	0.000	6800	.242	5556	-.138
4785	-.050	5848	-.117	5800	.202	5263	.075	7110	.275	5848	-.157
5000	0.000	6061	-.100	0	0.000	5556	.137	7530	.355	6061	-.190
5263	.053	6452	-.099	0	0.000	0	0.000	7850	.388	6452	-.219
5556	.103	6803	-.123	0	0.000	0	0.000	8080	.411	6803	-.263
5840	.165	7092	-.111	0	0.000	0	0.000	8400	.423	7092	-.251
6056	.214	7519	-.083	0	0.000	0	0.000	8800	.396	7519	-.293
6436	.270	7752	-.070	0	0.000	0	0.000	0	0.000	7752	-.290
6790	.320	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
6800	.322	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.375	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7550	.464	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7780	.501	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8090	.532	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
8708	.553	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
9700	.587	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10250	.674	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10400	.689	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10800	.752	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

110 HER HR 7061		111 HER HR 7069		LAMBDA PAV HR 7074		112 HER HR 7113		112 HER HR 7113		112 HER HR 7113	
B-V	0.46		0.12		-0.14		-0.07		-0.07		-0.07
SP	F6V	A3V			B1VE		B9II-III		B9II-III		B9II-III
BW	48/64	40/80			60		48/64		10		30/60
OBS	STI	DP			MOR		KUB		JUS		WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3350	1.403	3509	1.323	3300	-.196	3400	.535	3390	.545	5260	.032
3400	1.328	3571	1.288	3400	-.177	3450	.545	3448	.559	5550	.067
3450	1.312	3636	1.245	3500	-.140	3500	.546	3509	.537	5800	.127
3500	1.281	4032	-.084	3600	-.143	3560	.524	3571	.565	6060	.178
3570	1.231	4167	-.048	4200	-.236	3615	.525	3636	.557	6370	.250
3636	1.162	4255	-.066	4425	-.177	3670	.533	4032	-.226	6800	.312
4035	.323	4464	-.086	4600	-.106	4050	-.249	4082	-.216	7110	.364
4168	.253	4566	-.037	4750	-.104	4170	-.224	4167	-.195	7530	.455
4255	.242	4785	-.036	5000	0.000	4230	-.207	4255	-.185	7850	.498
4465	.118	5000	0.000	5200	.061	4300	-.199	4367	-.155	8080	.541
4565	.081	5263	.026	5400	.155	4440	-.164	4464	-.135	8400	.552
5264	-.044	5556	.042	5600	.196	4510	-.138	4566	-.101	8800	.606
5560	-.125	5848	.093	5800	.272	4580	-.120	4673	-.096	0	0.000
5840	-.155	6061	.140	6000	.311	4615	-.111	4780	-.051	0	0.000
6054	-.166	6452	.161	0	0.000	4680	-.102	4902	-.019	0	0.000
6440	-.186	6803	.187	0	0.000	4785	-.075	5000	0.000	0	0.000
6792	-.220	7092	.209	0	0.000	5000	0.000	5128	.067	0	0.000
7102	-.242	7519	.247	0	0.000	5260	.055	5263	.093	0	0.000
7552	-.231	7752	.270	0	0.000	5560	.108	5556	.128	0	0.000
7782	-.253	0	0.000	0	0.000	5840	.169	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6050	.213	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6370	.290	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6800	.352	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.404	0	0.000	0	0.000

TABLE 2—Continued

HR 7129		HD 175541		HD 175744		10 AQL		GAMMA LYR		GAMMA LYR	
B-V	HR 7129	HD 175541	HR 7147	HR 7147	HR 7167	HR 7178	HR 7178	HR 7178	HR 7178	HR 7178	HR 7178
SP	B9111	G8	-0.05	89 SI	0.24	AP	89111	89111	89111	89111	89111
BW	60	50	30/60	30/60	30/60	50/100	50/100	50/100	50/100	50	50
OBS	MOR	WHI	WOL	WOL	WOL	SPO	SPO	SPO	SPO	WKH	WKH
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.064	4955	.022	5260	.032	4032	.094	3300	1.244	3300	1.239
3400	.053	5311	-.140	5550	.067	4255	.025	3390	1.246	3400	1.210
3500	.060	5556	-.276	5800	.137	4464	-.005	3448	1.233	3450	1.185
3600	.097	5747	-.351	6060	.168	4566	-.011	3509	1.193	3500	1.188
4200	-.256	6053	-.426	6370	.240	4780	-.031	3570	1.178	3570	1.163
4425	-.197	6431	-.524	6800	.292	5000	0.000	3636	1.165	3636	1.139
4600	-.146	6821	-.601	7110	.334	5260	.032	4036	-.219	4032	-.211
4750	-.124	7102	-.639	7530	.435	5550	-.002	4167	-.168	4167	-.164
5000	0.000	7530	-.699	7850	.458	5800	.017	4255	-.156	4255	-.151
5200	.081	7819	-.735	8080	.491	6060	.019	4464	-.136	4466	-.136
5400	.095	8065	-.752	8400	.492	6370	.050	4566	-.107	4566	-.086
5600	.136	8598	-.810	8800	.516	6800	.052	4780	-.076	4780	-.065
5800	.242	8850	-.827	0	0.000	7110	.065	5000	0.000	5000	0.000
0	0.000	9950	-.892	0	0.000	7530	.125	5264	.056	5263	.035
0	0.000	10246	-.885	0	0.000	7850	.128	5556	.112	5556	.092
0	0.000	10526	-.897	0	0.000	8080	.151	5840	.173	5840	.141
0	0.000	0	0.000	0	0.000	8400	.133	6050	.220	6056	.186
0	0.000	0	0.000	0	0.000	8800	.186	0	0.000	6370	.247
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	6800	.324
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.369
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7530	.463

GAMMA LYR		HD 176871		ZETA AQL		ZETA AQL		LAMBDA AQL			
B-V	HR 7178	HR 7202	HR 7210	HR 7235	HR 7235	HR 7235	HR 7236	HR 7236	HR 7236		
SP	B9111	85V	B3V	40VN	40VN	40VN	89VN	89VN	89VN		
BW	48/64	48/64	25/50	50/100	50/100	50	50/100	50/100	50/100		
OBS	KUB	KUB	KO	SPO	SPO	WKH	SPO	SPO	SPO		
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.		
3400	1.225	3400	.365	3297	-.060	3300	1.264	3300	1.267	3300	.774
3450	1.205	3450	.375	3390	-.015	3390	1.256	3400	1.239	3390	.796
3500	1.196	3560	.394	3448	.009	3448	1.243	3450	1.217	3448	.823
3560	1.164	3615	.385	3509	.017	3509	1.223	3500	1.227	3509	.793
3615	1.145	3670	.393	3571	.025	3570	1.198	3570	1.190	3570	.778
3670	1.123	4050	-.219	3636	.047	3636	1.165	3636	1.165	3636	.765
4050	-.219	4170	-.194	4032	-.306	4036	-.179	4032	-.177	4036	-.249
4170	-.194	4230	-.177	4167	-.305	4167	-.158	4167	-.153	4167	-.208
4230	-.167	4300	-.179	4255	-.275	4255	-.146	4255	-.146	4255	-.186
4300	-.139	4440	-.134	4464	-.185	4464	-.136	4466	-.120	4464	-.166
4440	-.144	4510	-.108	4566	-.171	4566	-.087	4566	-.080	4566	-.117
4510	-.118	4580	-.100	4780	-.101	4780	-.046	4780	-.050	4780	-.071
4580	-.090	4615	-.101	5000	0.000	5000	0.000	5000	0.000	5000	0.000
4615	-.071	4680	-.082	5255	.081	5264	.046	5263	.061	5264	.066
4680	-.062	4785	-.065	5556	.158	5556	.072	5556	.109	5556	.122
4785	-.055	5000	0.000	5840	.270	5840	.123	5840	.153	5840	.183
5000	0.000	5260	.035	6055	.319	6050	.180	6056	.196	6050	.230
5260	.045	5560	.098	6370	.380	0	0.000	6370	.252	0	0.000
5560	.098	5840	.169	6800	.472	0	0.000	6800	.341	0	0.000
5840	.149	6050	.223	7100	.545	0	0.000	7100	.403	0	0.000
6050	.193	6370	.290	7530	.655	0	0.000	7530	.493	0	0.000
6370	.250	6800	.352	7850	.708	0	0.000	0	0.000	0	0.000
6800	.302	7100	.404	0	0.000	0	0.000	0	0.000	0	0.000
7100	.344	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

18 IOTA LYR		PI SGR		21 AQL		1 VUL		28 AQL		HR 7342	
HR 7262		HR 7264		HR 7287		HR 7306		HR 7331			
B-V	-0.11	0.36		-0.07		-0.06		0.28			
SP	871V	F211-111		B8 P		831V		F0111			
BW	48/64	50		10		48/64		40/80			
OBS	KUB	SEG		JUS		KUB		DP		JON	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.365	5556	-.094	3390	.615	3400	.355	3509	1.383	5000	0.000
3450	.365	5840	-.142	3448	.599	3450	.375	3571	1.388	5263	.053
3560	.384	6055	-.148	3509	.567	3560	.374	3636	1.315	5560	-.046
3615	.375	6370	-.150	3571	.585	3615	.375	4032	.026	5882	-.065
3670	.383	6800	-.128	3636	.587	3670	.383	4167	.052	6050	-.047
4050	-.259	7100	-.157	4032	-.226	4050	-.199	4255	.014	6370	-.030
4170	-.224	7530	-.155	4082	-.216	4170	-.184	4464	-.046	6800	-.048
4230	-.207	7850	-.155	4167	-.205	4230	-.157	4566	-.007	7100	-.035
4300	-.199	8080	-.137	4255	-.185	4300	-.169	4785	-.046	7530	-.010
4440	-.154	8400	-.193	4367	-.165	4440	-.114	5000	0.000	7850	-.002
4510	-.128	8805	-.165	4464	-.145	4510	-.108	5263	-.024	8080	.031
4580	-.120	9700	-.158	4566	-.121	4580	-.100	5556	.012	8400	-.027
4615	-.121	9950	-.149	4673	-.096	4615	-.091	5848	-.007	8805	.026
4680	-.102	10250	-.162	4780	-.061	4680	-.082	6061	-.020	9700	.067
4785	-.085	10400	-.112	4902	-.029	4785	-.065	6452	.001	9950	.047
5000	0.000	10800	-.118	5000	0.000	5000	0.000	6803	-.003	10250	.034
5260	.055	0	0.000	5128	.037	5260	.035	7092	.059	10400	-.021
5560	.098	0	0.000	5263	.043	5560	.088	7519	.087	10800	.052
5840	.169	0	0.000	5556	.098	5840	.149	7752	.050	0	0.000
6050	.223	0	0.000	5882	.144	6050	.203	0	0.000	0	0.000
6370	.300	0	0.000	0	0.000	6370	.270	0	0.000	0	0.000
6800	.372	0	0.000	0	0.000	6800	.332	0	0.000	0	0.000
7100	.424	0	0.000	0	0.000	7100	.374	0	0.000	0	0.000

HR 7342		HD 182488		31 AQL		DELTA AQL		DELTA AQL		DELTA AQL	
HR 7342		HR 7368		HR 7373		HR 7377		HR 7377		HR 7377	
B-V		0.80		0.78		0.32		0.32		0.32	
SP		KOV		G8 IV		F0 IV		F0IV		F0IV	
BW	60	50		50/100		40/80		40/80		50	
OBS	MOR	WHI		JON		SCH		DP		SEG	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.364	4955	.018	5000	0.000	3300	1.430	3509	1.313	5556	-.055
3400	.373	5311	-.134	5060	-.028	3390	1.405	3571	1.298	5840	-.083
3500	.150	5556	-.210	5263	-.077	3448	1.369	3636	1.235	6055	-.079
3600	.047	5747	-.305	5560	-.226	3509	1.317	4032	.156	6370	-.051
4200	-.126	6053	-.349	5810	-.322	3571	1.295	4167	.162	6800	-.069
4425	-.127	6431	-.417	5882	-.315	3636	1.227	4255	.114	7100	-.078
4600	-.126	6821	-.485	6050	-.367	4036	.193	4464	.034	7530	-.066
4750	-.104	7102	-.492	6370	-.400	4167	.155	4566	.023	7850	-.075
5000	0.000	7530	-.523	6670	-.467	4255	.135	4785	-.036	8080	-.058
5200	.031	7819	-.549	6800	-.458	4464	.035	5000	0.000	8400	-.074
5400	-.005	8065	-.566	7100	-.475	4566	.039	5263	-.004	8805	-.045
5600	-.024	8598	-.613	7460	-.504	4780	-.016	5556	-.048	9700	.041
5800	-.102	8850	-.611	7530	-.500	5000	0.000	5848	-.057	9950	.020
6000	.251	9950	-.636	7850	-.512	5264	-.003	6452	-.079	10250	.017
0	0.000	10246	-.628	8000	-.517	5556	-.052	6803	-.063	10400	.037
0	0.000	10526	-.641	8080	-.519	5840	-.080	7092	-.051	10800	.081
0	0.000	0	0.000	8400	-.537	6050	-.081	7519	-.033	0	0.000
0	0.000	0	0.000	9700	-.553	0	0.000	7752	-.070	0	0.000
0	0.000	0	0.000	9950	-.563	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10000	-.586	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10250	-.596	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10400	-.581	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10550	-.587	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	10800	-.558	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

4 CYG HR 7395		HD 183255		HR 7403		KAPPA AQL HR 7446		KAPPA AQL HR 7446		HD 184927	
B-V	-0.11			-0.15		0.00		0.00		82	
SP	A S1	K3		R2E		B0.5111		B0.5111		40	
BW	10	50		50		50		60		40	
OBS	JUS	WHI		SCF		HAY		MOR		HSD	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.565	4955	.026	3300	-.031	3300	-.108	3300	-.166	3390	-.164
3448	.529	5311	-.185	3390	.031	3350	-.104	3400	-.107	3448	-.137
3509	.507	5556	-.321	3509	.018	3400	-.110	3500	-.120	3509	-.127
3571	.545	5747	-.427	3571	.033	3450	-.094	3600	-.103	3571	-.122
3636	.527	6053	-.521	3636	.030	3500	-.099	4200	-.166	3636	-.125
4032	-.266	6431	-.639	4055	-.244	3571	-.079	4425	-.127	4032	-.329
4082	-.256	6821	-.707	4195	-.202	3636	-.068	4600	-.056	4167	-.338
4167	-.225	7102	-.754	4233	-.192	4037	-.160	4750	-.074	4255	-.306
4255	-.205	7530	-.824	4420	-.146	4167	-.137	5000	0.000	4464	-.216
4367	-.175	7819	-.870	4582	-.122	4255	-.123	5200	.011	4566	-.187
4464	-.165	8065	-.908	4810	-.040	4464	-.079	5400	.015	4785	-.106
4566	-.131	8598	-.965	4975	.014	4566	-.069	5600	.066	5000	0.000
4673	-.116	8850	-.962	5100	.043	4786	-.051	5800	.102	5263	.046
4780	-.071	9950	-1.048	5250	.061	5000	0.000	6000	.141	5556	.102
4902	-.039	10246	-1.040	5490	.100	5263	-.010	0	0.000	5840	.233
5000	0.000	10526	-1.082	5625	.137	5556	-.007	0	0.000	0	0.000
5128	.067	0	0.000	5800	.188	5840	.054	0	0.000	0	0.000
5263	.093	0	0.000	6000	.213	6056	.092	0	0.000	0	0.000
5556	.138	0	0.000	0	0.000	6440	.147	0	0.000	0	0.000
5882	.214	0	0.000	0	0.000	6800	.182	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7100	.213	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7550	.299	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7782	.310	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8091	.359	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8375	.378	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8711	.437	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	9833	.540	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10256	.588	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10406	.605	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10616	.662	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10799	.668	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10881	.674	0	0.000	0	0.000

IOTA AQL HR 7447		IOTA AQL HR 7447		HD 184961 HR 7452		SIGMA DRA HR 7462		13THETA CYG HR 7469		HD 185859 HR 7482	
B-V	-0.08	-0.08		-0.10		0.79		0.39		0.39	
SP	R5III	B5 III		B9 SI		K0V		F4V		B0.5IA	
BW	48/64	10		30/60		50		40/80		48/64	
OBS	KUB	JUS		WNL		WHI		DP		KUB	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.495	3390	.535	5260	.041	4955	.015	3509	1.183	3400	.435
3450	.505	3448	.529	5550	.086	5311	-.106	3571	1.188	3450	.415
3560	.514	3509	.517	5800	.136	5556	-.192	3636	1.095	3560	.394
3615	.505	3571	.555	6060	.187	5747	-.277	4032	.226	3615	.385
3670	.513	3636	.537	6370	.239	6053	-.332	4167	.202	3670	.373
4050	-.229	4032	-.236	6800	.310	6431	-.390	4255	.164	4050	.201
4170	-.204	4082	-.226	7110	.353	6821	-.467	4464	.074	4170	.166
4230	-.177	4167	-.195	7530	.444	7102	-.495	4566	.073	4230	.173
4300	-.179	4255	-.185	7850	.486	7530	-.505	4785	-.016	4300	.141
4440	-.134	4367	-.165	8080	.519	7819	-.531	5000	0.000	4440	.136
4510	-.118	4464	-.145	8400	.531	8065	-.559	5263	-.034	4510	.082
4580	-.100	4566	-.101	8800	.545	8598	-.596	5556	-.108	4580	.070
4615	-.101	4673	-.076	0	0.000	8850	-.583	5848	-.127	4615	.089
4680	-.092	4780	-.051	0	0.000	9950	-.609	6061	-.110	4680	.078
4785	-.075	4902	-.029	0	0.000	10246	-.611	6452	-.129	4785	.035
5000	0.000	5000	0.000	0	0.000	10526	-.613	6803	-.153	5000	0.000
5260	.045	5128	.027	0	0.000	0	0.000	7092	-.151	5260	-.095
5560	.098	5263	.033	0	0.000	0	0.000	7519	-.093	5560	-.162
5840	.169	5556	.108	0	0.000	0	0.000	7752	-.080	5840	-.181
6050	.223	0	0.000	0	0.000	0	0.000	0	0.000	6050	-.177
6370	.290	0	0.000	0	0.000	0	0.000	0	0.000	6370	-.180
6800	.352	0	0.000	0	0.000	0	0.000	0	0.000	6800	-.228
7100	.394	0	0.000	0	0.000	0	0.000	0	0.000	7100	-.236

TABLE 2—Continued

14 CYG HR 7483		16 CYG A HR 7503		16 CYG B HR 7504		16 CYG B HR 7504		BD +25 3641		DELTA CYG HR 7528	
B-V	-0.08		0.64		0.66		0.66				-0.02
SP	AP		62V		65V		65V		B1.5V		B9.5111
BW	30/60		48/64		48/64		50		49/98		50
OBS	AD		STI		STI		WHI		RPS		BA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3200	1.016	3350	1.704	3350	1.729	4955	.013	3300	1.324	3294	1.127
3300	.919	3400	1.585	3400	1.597	5311	-.089	3350	1.287	3396	1.115
3390	.936	3450	1.625	3450	1.627	5556	-.155	3400	1.216	3492	1.100
3448	.913	3500	1.544	3500	1.558	5747	-.210	3450	1.192	3594	1.068
3509	.922	3570	1.539	3570	1.568	6053	-.255	3500	1.124	4026	-.197
3571	.913	3636	1.357	3636	1.371	6431	-.313	3571	1.068	4172	-.168
3636	.879	4035	.562	4035	.583	6821	-.360	3636	1.035	4418	-.140
4032	-.233	4168	.460	4168	.484	7102	-.377	4036	.451	4544	-.098
4167	-.192	4255	.466	4255	.491	7530	-.378	4167	.392	4724	-.059
4255	-.173	4465	.201	4465	.216	7819	-.394	4255	.334	4954	-.010
4464	-.153	4565	.126	4565	.128	8065	-.411	4464	.264	5120	.033
4566	-.122	5264	-.080	5264	-.084	8598	-.449	4566	.173	5368	.077
4785	-.064	5560	-.198	5560	-.208	8850	-.436	4785	.094	5672	.142
5000	0.000	5840	-.260	5840	-.275	9950	-.411	5000	0.000	6014	.203
5264	.051	6054	-.291	6054	-.311	10246	-.424	5263	-.194	6404	.266
5556	.098	6440	-.330	6440	-.347	10526	-.416	5556	-.358	0	0.000
5840	.144	6792	-.402	6792	-.431	0	0.000	5840	-.387	0	0.000
6056	.198	7102	-.431	7102	-.450	0	0.000	6056	-.420	0	0.000
6370	.253	7552	-.441	7552	-.462	0	0.000	6436	-.518	0	0.000
6800	.303	7782	-.487	7782	-.498	0	0.000	6790	-.614	0	0.000
7100	.361	0	0.000	0	0.000	0	0.000	7100	-.651	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7550	-.692	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7780	-.720	0	0.000

DELTA CYG HR 7528		HR 7554		ALPHA AQL HR 7557		ALPHA AQL HR 7557		ALPHA AQL HR 7557		ALPHA AQL HR 7557	
B-V	-0.02		-0.09		0.22		0.22		0.22		0.22
SP	B9.5111		82E		A7V-IV		A7V-IV		A7V-IV		A7V-IV
BW			50		50/100		50		60		
OBS	KHA		SCF		SPO		DW		MOR		KHA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.247	3300	.052	3300	1.374	3300	1.445	3300	1.396	3300	1.526
3400	1.176	3390	.064	3390	1.396	3390	1.420	3400	1.384	3400	1.446
3500	1.128	3509	.071	3448	1.373	3448	1.374	3500	1.324	3500	1.376
3600	1.084	3571	.056	3509	1.333	3509	1.332	3600	1.261	3600	1.310
3700	.975	3636	.063	3570	1.298	3571	1.320	4200	.015	3700	1.139
4036	-.211	4055	-.161	3636	1.235	3636	1.242	4425	-.026	4036	.069
4221	-.168	4195	-.129	4036	.031	4032	.044	4600	-.039	4221	.043
4500	-.111	4233	-.119	4167	.032	4167	.025	4750	-.031	4500	-.023
4600	-.079	4420	-.073	4255	.014	4255	-.005	5000	0.000	4600	-.021
4700	-.058	4582	-.089	4464	-.026	4464	-.030	5200	.022	4700	-.034
4861	-.027	4810	-.017	4566	-.017	4566	-.021	5400	.005	4861	-.020
5000	0.000	4975	.017	4780	-.026	4785	-.030	5600	.009	5000	0.000
5150	.028	5100	.036	5000	0.000	5000	0.000	5800	-.007	5150	.013
5300	.049	5250	.034	5264	.016	5263	.008	6000	.021	5300	.025
5500	.089	5490	.043	5556	.012	5500	-.017	0	0.000	5500	.021
5700	.141	5625	.080	5840	.013	5556	-.012	0	0.000	5700	.034
5850	.179	5800	.101	6050	.050	5840	.010	0	0.000	5850	.039
6000	.229	6000	.156	0	0.000	6055	.034	0	0.000	6000	.062
6200	.255	0	0.000	0	0.000	6370	.045	0	0.000	6200	.064
6400	.265	0	0.000	0	0.000	6800	.062	0	0.000	6400	.086
6500	.257	0	0.000	0	0.000	7100	.085	0	0.000	6500	.104
6600	.256	0	0.000	0	0.000	7530	.140	0	0.000	6600	.082
6700	.280	0	0.000	0	0.000	7850	.163	0	0.000	6700	.066
6800	.310	0	0.000	0	0.000	8080	.161	0	0.000	6800	.060
7000	.346	0	0.000	0	0.000	0	0.000	0	0.000	7000	.066
7100	.397	0	0.000	0	0.000	0	0.000	0	0.000	7100	.078
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7200	.078

TABLE 2—Continued

12 VUL		HD 188041		13 VUL		58 AQL		58 AQL		58 AQL	
B-V	HR 7565	HR 7575		HR 7592		HR 7596		HR 7596		HR 7596	
	-0.18	0.20		-0.05		0.10		0.10		0.10	
SP	B3VE	AP		A0III		A0III		A0III		A0III	
BW	25/50	30/60		50/100				50/100		50	
OBS	KO	WOL		AD		STD		SPO		OKE	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3297	.090	4032	.034	3509	1.052	3300	1.389	3390	1.366	3390	1.355
3390	.085	4255	.055	3571	1.047	3390	1.362	3448	1.333	3448	1.319
3448	.069	4464	-.015	3636	1.019	3448	1.333	3509	1.303	3509	1.297
3509	.057	4566	-.041	4032	-.216	3509	1.305	3571	1.278	3571	1.280
3571	.065	4780	-.071	4167	-.175	3571	1.280	3636	1.245	3636	1.247
3636	.067	5000	0.000	4255	-.161	3636	1.251	4032	-.109	4032	-.111
4032	-.246	5260	.092	4464	-.129	4032	-.106	4167	-.088	4167	-.095
4167	-.245	5550	.058	4566	-.103	4167	-.093	4255	-.076	4255	-.085
4255	-.235	5800	.077	4785	-.052	4255	-.074	4464	-.076	4464	-.075
4464	-.155	6060	.089	5000	0.000	4464	-.067	4566	-.047	4566	-.051
4566	-.131	6370	.150	5284	.042	4566	-.044	4780	-.036	4785	-.035
4780	-.071	6800	.172	5556	.117	4785	-.032	5000	0.000	5000	0.000
5000	0.000	7110	.225	5840	.153	5000	0.000	5264	.016	5263	.013
5255	.051	7530	.305	0	0.000	5263	.012	5556	.032	5556	.023
5556	.128	7850	.328	0	0.000	5556	.026	5840	.053	5840	.050
5840	.200	8080	.351	0	0.000	5840	.052	0	0.000	0	0.000
6055	.249	8400	.363	0	0.000	0	0.000	0	0.000	0	0.000
6370	.300	8800	.396	0	0.000	0	0.000	0	0.000	0	0.000
6800	.372	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7100	.435	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7530	.515	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
7850	.528	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

58 AQL		58 AQL		BETA AQL AB		THETA1 SGR		25 CYG		15 VUL	
B-V	HR 7596	HR 7596		HR 7602		HR 7623		HR 7647		HR 7653	
	0.10	0.10		0.86		-0.16		-0.17		0.18	
SP	A0III	A0III		G8 IV		B3IV		B3VE		A4III	
BW	50	9				60		25/50		50	
OBS	HAY	AFN		JON		MOR		KO		BAO	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.393	3392	1.292	5000	0.000	3300	.094	3297	.100	3390	1.520
3350	1.382	3441	1.270	5263	-.077	3400	.153	3390	.125	3448	1.489
3400	1.353	3504	1.238	5560	-.256	3500	.160	3448	.129	3509	1.452
3450	1.333	3567	1.203	5882	-.345	3600	.187	3509	.117	3571	1.415
3500	1.313	3634	1.148	6050	-.437	4200	-.246	3571	.135	3636	1.347
3571	1.282	4032	-.128	6370	-.490	4425	-.187	3636	.147	4032	-.011
3636	1.259	4082	-.116	6800	-.578	4600	-.136	4032	-.246	4167	-.010
4037	-.101	4167	-.102	7100	-.615	4750	-.094	4167	-.235	4255	-.035
4167	-.097	4255	-.089	7530	-.650	5000	0.000	4255	-.225	4464	-.045
4255	-.071	4367	-.086	7850	-.692	5200	.011	4464	-.155	4566	-.041
4464	-.057	4464	-.086	8080	-.699	5400	.075	4566	-.131	4785	-.050
4566	-.040	4566	-.058	8400	-.757	5600	.126	4780	-.071	5000	0.000
4786	-.027	4673	-.049	9700	-.813	5800	.172	5000	0.000	5263	.028
5000	0.000	5000	0.000	9950	-.793	6000	.221	5255	.051	5556	.028
5263	.010	5127	.012	10250	-.816	0	0.000	5556	.128	5882	.065
5556	.002	5261	.026	10400	-.831	0	0.000	5840	.210	6055	.074
5840	.053	5556	.047	10800	-.818	0	0.000	6055	.259	6370	.095
6056	.083	5868	.076	0	0.000	0	0.000	6370	.320	6800	.107
6440	.123	0	0.000	0	0.000	0	0.000	6800	.402	7100	.150
6800	.135	0	0.000	0	0.000	0	0.000	7100	.475	7530	.205
7100	.160	0	0.000	0	0.000	0	0.000	7530	.505	7850	.223
7500	.219	0	0.000	0	0.000	0	0.000	7850	.558	8080	.236
7732	.228	0	0.000	0	0.000	0	0.000	0	0.000	8400	.228
8091	.262	0	0.000	0	0.000	0	0.000	0	0.000	8805	.256
8375	.258	0	0.000	0	0.000	0	0.000	0	0.000	9700	.252
8711	.197	0	0.000	0	0.000	0	0.000	0	0.000	9950	.282
9833	.225	0	0.000	0	0.000	0	0.000	0	0.000	10250	.309
10256	.292	0	0.000	0	0.000	0	0.000	0	0.000	10400	.314
10406	.289	0	0.000	0	0.000	0	0.000	0	0.000	10800	.367
10616	.297	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10799	.329	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
10881	.343	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 190007		AA CYG		HD 190229		HD 190404		HD 190603		17 VUL	
B-V	K4	S7.5		HR 7664				HR 7678		HR 7688	
SP	50			R8II-III		K2		81.5IA		83V	
OB5	WHI	JON		48/64		50		48/64		25/50	
				KUB		WHI		KUB		KO	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.032	5000	0.000	3400	.515	4955	.020	3450	.795	3297	.090
5311	-.209	5263	-.377	3450	.525	5311	-.151	3560	.664	3390	.105
5556	-.406	5560	-.166	3560	.524	5556	-.237	3615	.625	3448	.109
5747	-.571	5882	-.555	3615	.515	5747	-.323	3670	.583	3509	.117
6053	-.695	6050	-1.017	3670	.513	6053	-.387	4050	.341	3571	.125
6431	-.783	6370	-1.320	4050	-.239	6431	-.485	4170	.276	3636	.137
6821	-.901	6800	-2.048	4170	-.214	6821	-.573	4230	.263	4032	-.286
7102	-.968	7100	-2.075	4230	-.187	7102	-.610	4300	.231	4167	-.285
7530	-1.049	7530	-3.420	4300	-.179	7530	-.630	4440	.206	4255	-.265
7819	-1.115	7850	-3.442	4440	-.144	7819	-.666	4510	.152	4464	-.175
8065	-1.132	8080	-3.829	4510	-.108	8065	-.694	4580	.150	4566	-.151
8598	-1.209	8400	-3.887	4580	-.100	8598	-.761	4615	.149	4780	-.101
8850	-1.227	8805	-4.284	4615	-.111	8850	-.769	4785	.055	5000	0.000
9950	-1.312	9700	-4.503	4680	-.092	9950	-.814	5000	0.000	5255	.061
10246	-1.334	9950	-4.603	4785	-.075	10246	-.806	5260	-.115	5556	.128
10526	-1.367	10250	-4.676	5000	0.000	10526	-.849	5560	-.252	5840	.200
0	0.000	10400	-4.721	5260	.075	0	0.000	5840	-.311	6055	.279
0	0.000	10800	-4.708	5560	.118	0	0.000	6050	-.337	6370	.340
0	0.000	0	0.000	6050	.243	0	0.000	6800	-.438	7100	.505
0	0.000	0	0.000	6370	.320	0	0.000	7100	-.486	7530	.605
0	0.000	0	0.000	6800	.382	0	0.000	0	0.000	7850	.668
0	0.000	0	0.000	7100	.434	0	0.000	0	0.000	0	0.000

BD +40 4032		28 CYG		THETA AQL		HR 7716		29 CYG		HR 7739	
B-V	R2III	HR 7708		HR 7710				HR 7736		HR 7739	
SP	49/98	83VE		B9.5III		81IB		0.16		83V	
OB5	RPS	25/50		50/100		48/64		50		25/50	
		KO		AD		KUB		KE		KO	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.484	3297	.020	3509	1.041	3400	-.035	3390	1.315	3297	.060
3350	.517	3390	.015	3571	1.027	3450	-.015	3448	1.299	3390	.075
3400	.486	3448	.019	3636	1.015	3500	-.024	3509	1.257	3448	.069
3450	.462	3509	.007	4032	-.239	3560	-.006	3571	1.235	3509	.077
3500	.454	3571	.015	4167	-.211	3615	-.005	3636	1.197	3571	.095
3571	.428	3636	.017	4255	-.199	3670	-.007	4032	-.046	3636	.107
3636	.435	4032	-.266	4464	-.168	4050	-.139	4167	-.065	4032	-.276
4036	.071	4167	-.265	4566	-.120	4170	-.124	4255	-.065	4167	-.275
4167	.052	4255	-.245	4785	-.067	4230	-.117	4464	-.065	4255	-.255
4255	.034	4464	-.155	5000	0.000	4300	-.119	4566	-.041	4464	-.155
4464	.014	4566	-.151	5264	.043	4440	-.074	4785	-.020	4566	-.141
4566	.003	4780	-.081	5556	.096	4510	-.078	5000	0.000	4780	-.081
4785	.004	5000	0.000	5840	.160	4580	-.050	5263	.013	5000	0.000
5000	0.000	5255	.021	0	0.000	4615	-.051	5556	.038	5255	.071
5263	-.044	5556	.118	0	0.000	4680	-.042	5840	.050	5556	.148
5556	-.048	5840	.180	0	0.000	4785	-.055	6055	.059	5840	.230
5840	-.017	0	0.000	0	0.000	5000	0.000	6370	.050	6055	.289
6056	-.050	0	0.000	0	0.000	5260	.015	6436	.081	6370	.360
6436	-.078	0	0.000	0	0.000	5560	.048	6790	.091	6800	.452
6790	-.084	0	0.000	0	0.000	5840	.099	7100	.135	7100	.525
7100	-.091	0	0.000	0	0.000	6050	.153	7550	.166	7530	.635
7550	.018	0	0.000	0	0.000	6370	.200	7780	.171	7850	.668
7780	.000	0	0.000	0	0.000	6800	.252	7850	.208	0	0.000
8090	-.045	0	0.000	0	0.000	7100	.294	8090	.211	0	0.000
8370	.049	0	0.000	0	0.000	0	0.000	8370	.165	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8708	.195	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8805	.256	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9700	.247	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9832	.240	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9950	.272	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10256	.269	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10400	.304	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10610	.258	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10796	.312	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10870	.232	0	0.000

TABLE 2—Continued

HD 192913		NU CAP HR 7773		NU CAP HR 7773		ALPHA PAV HR 7790		ALPHA PAV HR 7790		ALPHA PAV HR 7790	
B-V	AP	-0.05	-0.05	-0.05	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19	-0.19
SP	AP	B9V	B9V	B9V	B3IV	B3IV	B3IV	B3IV	B3IV	B3IV	B3IV
RW	30/60	30/60	30/60	30/60	50	50	9	9	9	60	60
OBS	AD	AD	AD	WOL	DW	DW	AFN	AFN	AFN	MOR	MOR
LAMRDA	MAG.	LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMRDA	MAG.
3200	1.022	3509	1.053	4072	-.236	3300	-.105	3392	.002	3300	-.116
3300	.853	3571	1.038	4255	-.185	3390	-.040	3441	.012	3400	-.007
3390	.869	3636	1.025	4464	-.155	3448	-.036	3504	.021	3500	.010
3443	.830	4072	-.229	4566	-.101	3509	-.008	3567	.034	3600	.037
3509	.834	4167	-.188	4780	-.071	3571	.015	3634	.040	4200	-.306
3571	.807	4255	-.176	5000	0.000	3636	.022	4032	-.346	4425	-.227
3636	.784	4464	-.156	5260	.052	4032	-.356	4082	-.321	4600	-.166
4032	-.208	4566	-.097	5550	.098	4167	-.330	4167	-.285	4750	-.104
4167	-.173	4785	-.066	5800	.157	4255	-.295	4255	-.250	5000	0.000
4255	-.158	5000	0.000	6060	.219	4464	-.195	4367	-.221	5200	.041
4464	-.138	5260	.056	6370	.280	4566	-.166	4464	-.199	5400	.095
4566	-.119	5550	.102	6800	.342	4785	-.085	4566	-.148	5600	.156
4785	-.067	5800	.163	7110	.385	5000	0.000	4673	-.116	5800	.222
5000	0.000	6060	.220	7530	.475	5263	.068	5000	0.000	6000	.251
5264	.093	6370	.274	7850	.518	5500	.128	5127	.037	0	0.000
5556	.113	6800	.326	8080	.551	5556	.148	5261	.076	0	0.000
5840	.149	7100	.379	8400	.553	5840	.245	5556	.157	0	0.000
6056	.195	7530	.477	8800	.556	6055	.314	5868	.246	0	0.000
6370	.254	7850	.527	0	0.000	6370	.380	0	0.000	0	0.000
6800	.301	8080	.555	0	0.000	6800	.472	0	0.000	0	0.000
7100	.366	8400	.577	0	0.000	7100	.520	0	0.000	0	0.000
0	0.000	8800	.550	0	0.000	7530	.635	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7850	.698	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8080	.741	0	0.000	0	0.000

GAMMA CYG HR 7796		HR 7807		11 RHO CAP HR 7822		41 CYG HR 7834		ZETA DEL HR 7871		6 BETA DEL HR 7882	
B-V	0.67	-0.20	-0.20	0.37	0.40	0.40	0.11	0.11	0.44	0.44	0.44
SP	F8 IR	R2VPE	R2VPE	F2IV	F5II	F5II	A3V	A3V	F5IV	F5IV	F5IV
RW	50/100	50	50	40/80	40/80	40/80	50	50	40/80	40/80	40/80
OBS	SCF	SCF	SCF	DP	DP	DP	WKH	WKH	DP	DP	DP
LAMRDA	MAG.	LAMRDA	MAG.	LAMRDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMRDA	MAG.
3300	2.380	3300	-.262	3509	1.253	3509	1.693	3300	1.449	3509	1.373
3390	2.375	3390	-.190	3571	1.268	3571	1.698	3400	1.472	3571	1.328
3443	2.269	3509	-.183	3636	1.165	3636	1.585	3450	1.385	3636	1.235
3509	2.177	3571	-.158	4032	.186	4032	.206	3500	1.365	4032	.276
3571	2.095	3636	-.131	4167	.192	4167	.212	3570	1.363	4167	.252
3636	1.907	4055	-.295	4255	.154	4255	.154	3636	1.328	4255	.214
4036	.603	4195	-.243	4464	.064	4464	.074	4032	-.104	4464	.084
4167	.525	4233	-.223	4566	.063	4566	.073	4167	-.088	4566	.073
4255	.395	4420	-.178	4785	-.026	4785	-.046	4255	-.097	4785	-.026
4464	.275	4582	-.153	5000	0.000	5000	0.000	4466	-.087	5000	0.000
4566	.199	4810	-.051	5263	-.034	5263	-.024	4566	-.064	5263	-.034
4780	-.011	4975	.003	5556	-.108	5556	-.138	4780	-.047	5556	-.118
5000	0.000	5100	.043	5848	-.127	5848	-.157	5000	0.000	5848	-.167
5264	-.047	5250	.080	6061	-.100	6061	-.160	5263	.024	6452	-.189
5556	-.242	5490	.139	6452	-.119	6452	-.149	5556	.037	6803	-.203
5840	-.220	5625	.156	6803	-.153	6803	-.193	5840	.064	7092	-.211
6050	-.221	5800	.237	7092	-.151	7092	-.171	6056	.101	7519	-.193
0	0.000	6000	.272	7519	-.113	7519	-.103	6370	.146	7752	-.190
0	0.000	0	0.000	7752	-.100	7752	-.110	6800	.219	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.274	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7530	.310	0	0.000

TABLE 2—Continued

29 VUL HR 7891		ALPHA DEL HR 7906		ALPHA DEL HR 7906		ALPHA DEL HR 7906		ALPHA CYG HR 7924		ALPHA CYG HR 7924	
R-V	-0.02		-0.06		-0.06		-0.06		0.09		0.09
SP	A0V		B9V		B9V		B9V		A2IA		A2IA
BW	50		50		48/64		48/64		50/100		
OBS	WKH		WKH		KUR		STI		SPO		KHA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.059	3300	.868	3400	.895	3350	.921	3300	1.144	3300	1.228
3350	1.059	3400	.850	3450	.895	3400	.899	3390	1.156	3400	1.127
3400	1.044	3450	.856	3560	.884	3450	.903	3448	1.103	3500	1.044
3450	1.034	3500	.847	3615	.875	3500	.892	3509	1.053	3600	.965
3500	1.029	3570	.836	3670	.873	3570	.883	3570	1.008	3700	.479
3550	1.005	3636	.845	4050	-.219	3636	.874	3636	.965	4036	-.045
3570	1.019	4032	-.244	4170	-.194	4035	-.220	4036	-.059	4221	-.024
3636	1.008	4167	-.224	4230	-.177	4168	-.200	4167	-.028	4500	-.028
4032	-.213	4255	-.167	4300	-.159	4255	-.167	4255	-.016	4600	-.019
4167	-.182	4466	-.144	4440	-.144	4465	-.130	4464	-.036	4700	-.022
4255	-.171	4566	-.117	4510	-.108	4565	-.092	4566	.023	4861	-.013
4466	-.132	4780	-.075	4580	-.090	5264	.078	4780	-.056	5000	0.000
4566	-.086	5000	0.000	4615	-.101	5560	.111	5000	0.000	5150	.005
4780	-.046	5263	.036	4680	-.092	5840	.192	5264	.036	5300	.020
5000	0.000	5556	.101	4785	-.065	6054	.235	5556	.032	5500	.029
5263	.041	5840	.158	5000	0.000	6440	.300	5840	.063	5700	.046
5556	.102	6056	.204	5260	.045	6792	.348	6050	.080	5850	.071
5840	.159	6370	.261	5560	.098	7102	.383	0	0.000	6000	.097
6056	.208	6800	.317	5840	.149	7552	.469	0	0.000	6200	.115
6370	.290	7100	.367	6050	.203	7782	.493	0	0.000	6400	.135
6436	.285	7530	.468	6370	.270	0	0.000	0	0.000	6500	.150
6800	.377	0	0.000	6800	.322	0	0.000	0	0.000	6600	.134
7100	.437	0	0.000	7100	.364	0	0.000	0	0.000	6700	.126
7530	.503	0	0.000	0	0.000	0	0.000	0	0.000	6800	.119
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7000	.139
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.173
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7200	.232

HR 7927		EPSILON AQR HR 7950		EPSILON AQR HR 7950		EPSILON AQR HR 7950		EPSILON AQR HR 7950		EPSILON AQR HR 7950	
R-V	B2Ve		A2V		A2V		A2V		A2V		A2V
SP	B2Ve		A2V		A2V		A2V		A2V		A2V
BW	50		50		50/100		50		50		50
OBS	SCF		STD		RA		SPO		MAY		OKE
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.003	3300	1.347	3294	1.338	3390	1.326	3300	1.353	3390	1.320
3390	.085	3390	1.322	3396	1.324	3448	1.303	3350	1.345	3448	1.289
3509	.132	3448	1.304	3492	1.293	3509	1.273	3400	1.308	3509	1.267
3571	.138	3509	1.279	3594	1.257	3571	1.248	3450	1.299	3571	1.250
3636	.164	3571	1.257	4026	-.193	3636	1.215	3500	1.280	3636	1.217
4055	-.299	3636	1.226	4172	-.161	4036	-.199	3571	1.256	4032	-.196
4195	-.228	4032	-.192	4418	-.130	4167	-.168	3636	1.231	4167	-.170
4233	-.227	4167	-.165	4544	-.089	4255	-.146	4037	-.186	4255	-.155
4429	-.172	4255	-.141	4724	-.069	4464	-.126	4167	-.165	4464	-.125
4582	-.128	4464	-.122	4954	-.014	4566	-.067	4255	-.129	4566	-.076
4810	-.066	4566	-.076	5120	.033	4780	-.056	4464	-.117	4785	-.055
4975	.009	4785	-.056	5368	.076	5000	0.000	4566	-.081	5000	0.000
5100	.058	5000	0.000	5672	.130	5264	.056	4786	-.057	5263	.053
5250	.065	5263	.054	6014	.193	5556	.102	5000	0.000	5556	.093
5490	.125	5556	.098	6404	.242	5840	.143	5263	.045	5840	.145
5675	.162	5840	.144	0	0.000	6050	.190	5556	.086	6055	.189
5800	.222	6050	.186	0	0.000	0	0.000	5840	.130	6370	.250
6000	.247	0	0.000	0	0.000	0	0.000	6056	.168	6800	.302
0	0.000	0	0.000	0	0.000	0	0.000	6440	.230	7100	.335
0	0.000	0	0.000	0	0.000	0	0.000	6800	.260	7530	.415
0	0.000	0	0.000	0	0.000	0	0.000	7100	.312	7850	.448
0	0.000	0	0.000	0	0.000	0	0.000	7550	.385	8080	.481
0	0.000	0	0.000	0	0.000	0	0.000	7782	.426	8400	.493
0	0.000	0	0.000	0	0.000	0	0.000	8091	.447	8805	.476
0	0.000	0	0.000	0	0.000	0	0.000	8375	.454	9700	.527
0	0.000	0	0.000	0	0.000	0	0.000	8711	.433	9950	.552
0	0.000	0	0.000	0	0.000	0	0.000	9833	.492	10250	.599
0	0.000	0	0.000	0	0.000	0	0.000	10256	.535	10400	.614
0	0.000	0	0.000	0	0.000	0	0.000	10406	.553	10800	.652
0	0.000	0	0.000	0	0.000	0	0.000	10616	.589	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10799	.596	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10881	.601	0	0.000

TABLE 2—Continued

EPSILON AQR		EPSILON AQR		HD 198820		20 CAP		HR 8038		59 CYG	
R-V	HR 7950	R-V	HR 7950	HR 7996	HR 7996	HR 8033	HR 8033	A5	A5	HR 8047	HR 8047
0.00	0.00	0.00	0.00	-0.15	-0.13	0.27	0.27			-0.04	-0.04
A2V	A2V	A2V	A2V	B3III	A0 V1	A5	A5			B1E	B1E
50	60	60	60	48/64	30/60	32/64	32/64			50	50
DW	MOR	MOR	MOR	KUB	WOL	PRE	PRE			SCF	SCF
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.320	3300	1.324	3400	.205	5260	.032	3390	1.438	3300	-.244
3390	1.300	3400	1.323	3450	.215	5550	.067	3448	1.391	3390	-.182
3448	1.259	3500	1.260	3560	.244	5800	.137	3510	1.366	3509	-.175
3509	1.227	3600	1.227	3615	.245	6060	.198	3570	1.326	3571	-.150
3571	1.225	4200	-.186	3670	.253	6370	.290	3636	1.290	3636	-.153
3636	1.177	4425	-.157	4050	-.269	6800	.332	4032	.087	4055	-.147
4032	-.211	4600	-.106	4170	-.234	7110	.384	4166	.090	4195	-.136
4167	-.180	4750	-.074	4230	-.207	7530	.475	4257	.066	4233	-.115
4255	-.165	5000	0.000	4300	-.209	7850	.528	4466	.021	4420	-.090
4464	-.130	5200	.031	4440	-.154	8080	.551	4566	.019	4582	-.095
4566	-.086	5400	.055	4510	-.128	8400	.562	4780	.006	4810	-.033
4785	-.050	5600	.096	4580	-.120	8800	.586	5100	.004	4975	.021
5000	0.000	5800	.142	4615	-.121	0	0.000	5556	-.029	5100	.031
5263	.068	6000	.201	4680	-.102	0	0.000	5840	-.031	5250	.038
5500	.088	0	0.000	4785	-.085	0	0.000	6364	-.036	5490	.067
5556	.098	0	0.000	5000	0.000	0	0.000	6764	-.039	5625	.084
5840	.160	0	0.000	5260	.045	0	0.000	7100	-.021	5800	.135
6055	.209	0	0.000	5560	.118	0	0.000	7250	-.006	6000	.190
6370	.250	0	0.000	5840	.199	0	0.000	0	0.000	0	0.000
6800	.302	0	0.000	6050	.253	0	0.000	0	0.000	0	0.000
7100	.340	0	0.000	6370	.340	0	0.000	0	0.000	0	0.000
7530	.420	0	0.000	6800	.412	0	0.000	0	0.000	0	0.000
7850	.463	0	0.000	7100	.474	0	0.000	0	0.000	0	0.000
8080	.486	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

61 CYG A		61 CYG A		61 CYG A		61 CYG A		61 CYG B		61 CYG B	
R-V	HR 8085	R-V	HR 8085	HR 8085	HR 8085	HR 8085	HR 8085	HR 8086	HR 8086	HR 8086	HR 8086
1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.19	1.38	1.38	1.38	1.38
K5V	K5V	K5V	K5V	K5V	K5V	K5V	K5V	K7V	K7V	K7V	K7V
48/64	50	50	50	30	30	30	30	30	30	30	30
STI	WHI	WHI	WHI	FSW	FSW	JON	JON	FSW	FSW	JON	JON
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3350	3.059	4955	.036	3500	2.592	5000	0.000	3500	2.814	5560	-.390
3400	2.830	5311	-.226	3571	2.818	5263	-.377	3571	2.922	5920	-.641
3450	2.923	5556	-.462	3636	2.543	5560	-.646	3636	2.674	6076	-.787
3500	2.664	5747	-.627	4037	1.447	5882	-.655	4037	1.637	6270	-.728
3570	2.870	6053	-.772	4168	1.117	6050	-.957	4168	1.210	6589	-1.052
3636	2.560	6431	-.870	4255	1.224	6370	-1.070	4255	1.305	6700	-1.027
4035	1.475	6821	-.967	4464	.454	6800	-1.188	4464	.469	7100	-1.159
4168	1.164	7102	-1.064	4566	.149	7100	-1.295	4566	.129	7460	-1.338
4255	1.255	7530	-1.165	4787	.120	7460	-1.364	4787	.160	7850	-1.416
4465	.471	7819	-1.211	5000	0.000	7530	-1.380	5000	0.000	8000	-1.451
4565	.211	8065	-1.268	5263	-.720	7850	-1.462	5263	-.301	8750	-1.579
5264	-.138	8598	-1.326	5559	-.397	8000	-1.447	5559	-.783	8860	-1.576
5560	-.441	8850	-1.353	5841	-.505	8080	-1.469	5841	-1.048	9190	-1.704
5840	-.645	9950	-1.458	6057	-.560	8400	-1.537	6057	-1.120	10000	-1.799
6054	-.742	10246	-1.430	6439	-.676	9700	-1.643	6439	-1.279	10550	-1.831
6440	-.851	10526	-1.513	6793	-.766	9950	-1.723	6793	-1.349	0	0.000
6792	-.973	0	0.000	0	0.000	10000	-1.746	0	0.000	0	0.000
7102	-1.089	0	0.000	0	0.000	10250	-1.756	0	0.000	0	0.000
7552	-1.208	0	0.000	0	0.000	10400	-1.761	0	0.000	0	0.000
7782	-1.276	0	0.000	0	0.000	10550	-1.777	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10800	-1.778	0	0.000	0	0.000

TABLE 2--Continued

61 CYG B HR 8086		61 CYG B HR 8086		GAMMA EQU HR 8097		65 TAU CYG HR 8130		EPSILON MIC HR 8135		NU CYG HR 8146	
B-V	1.38	B-V	1.38	B-V	0.27	B-V	0.40	B-V	0.06	B-V	-0.12
SP	K7V	SP	K7V	SP	FP	SP	F01V	SP	A2P	SP	B2VE
BW	50	BW	48/64	BW	30/60	BW	40/80	BW	60	BW	50
OBS	WHI	OBS	STI	OBS	WOL	OBS	DP	OBS	MOR	OBS	SCF
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4955	.046	5264	-.327	4032	.114	3509	1.323	3300	1.274	3300	-.049
5311	-.305	5560	-.693	4255	.035	3571	1.278	3400	1.293	3390	-.017
5556	-.582	5840	-.926	4464	-.005	3636	1.205	3500	1.210	3509	-.040
5747	-.777	6054	-1.062	4566	-.011	4032	.236	3600	1.187	3571	-.024
6053	-.971	6440	-1.214	4780	-.031	4167	.212	4200	-.106	3636	-.018
6431	-1.109	6792	-1.300	5000	0.000	4255	.184	4425	-.087	4055	-.231
6821	-1.177	7102	-1.489	5260	.022	4464	.074	4600	-.046	4195	-.200
7102	-1.344	0	0.000	5550	-.002	4566	.063	4750	-.024	4233	-.189
7530	-1.544	0	0.000	5800	.007	4785	-.016	5000	0.000	4420	-.144
7819	-1.601	0	0.000	6060	.009	5000	0.000	5200	.061	4582	-.130
8065	-1.688	0	0.000	6370	.050	5263	-.034	5400	.045	4810	-.048
8598	-1.755	0	0.000	6800	.052	5556	-.108	5600	.066	4975	.017
8850	-1.783	0	0.000	7110	.065	5848	-.137	5800	.062	5100	.046
9950	-1.928	0	0.000	7530	.115	6061	-.180	6000	.011	5250	.063
10246	-1.950	0	0.000	7850	.128	6452	-.149	0	0.000	5490	.103
10526	-1.993	0	0.000	8080	.141	6803	-.163	0	0.000	5625	.130
0	0.000	0	0.000	8400	.133	7092	-.161	0	0.000	5800	.180
0	0.000	0	0.000	8800	.186	7519	-.143	0	0.000	6000	.195
0	0.000	0	0.000	0	0.000	7752	-.170	0	0.000	0	0.000

THETA MIC HR 8151		ALPHA CEP HR 8162		5 CFP HR 8171		HR 8190		HR 8191		HR 8198	
B-V	0.02	B-V	0.22	B-V	-0.02	B-V	0.31	B-V	0.47	B-V	0.31
SP	A0	SP	A7V-IV	SP	A3VE	SP	DF0	SP	F5 III	SP	F0
BW	60	BW	50/100	BW	25/50	BW	50	BW	32/64	BW	50
OBS	MOR	OBS	SPO	OBS	KO	OBS	HRK	OBS	RRE	OBS	HRK
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.104	3300	1.424	3297	.320	3390	1.457	3390	1.579	3390	1.470
3400	1.133	3390	1.466	3390	.305	3448	1.393	3448	1.502	3448	1.405
3500	1.060	3448	1.433	3448	.299	3510	1.410	3510	1.492	3510	1.398
3600	.997	3509	1.393	3509	.287	3570	1.324	3570	1.407	3570	1.342
4200	-.116	3570	1.378	3571	.285	3636	1.282	3636	1.356	3636	1.297
4425	-.127	3636	1.285	3636	.267	4032	.165	4032	.345	4032	.140
4600	-.076	4036	.041	4032	-.136	4166	.177	4166	.321	4166	.147
4750	-.064	4167	.042	4167	-.135	4257	.106	4257	.248	4257	.102
5000	0.000	4255	.024	4255	-.135	4466	.058	4466	.149	4466	.044
5200	.081	4464	-.006	4464	-.085	4566	.033	4566	.095	4566	.045
5400	.075	4566	.003	4566	-.081	4780	-.011	4780	.018	4780	-.004
5600	.116	4780	-.021	4780	-.041	5100	-.012	5100	-.037	5100	-.013
5800	.002	5000	0.000	5000	0.000	5264	.002	5264	-.032	5264	.001
0	0.000	5264	.036	5255	-.009	5556	-.051	5556	-.133	5556	-.053
0	0.000	5556	.022	5556	.028	5840	-.070	5840	-.183	5840	-.066
0	0.000	5840	.013	5840	.070	6364	-.087	6364	-.232	6364	-.083
0	0.000	6050	.030	6055	.109	6764	-.088	6764	-.271	6764	-.098
0	0.000	0	0.000	6370	.140	7100	-.079	7100	-.274	7100	-.092
0	0.000	0	0.000	6800	.182	7250	-.054	7250	-.262	7250	-.088
0	0.000	0	0.000	7100	.215	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7530	.275	0	0.000	0	0.000	0	0.000
0	0.000	0	0.000	7850	.288	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

79 CYG HR 8215		HR 8216		RETA CEP HR 8238		EPSILON CAP HR 8260		5 PEG HR 8267		4 PEG HR 8270	
B-V	SP	B-V	SP	B-V	SP	B-V	SP	B-V	SP	B-V	SP
0.32	F0III	0.32	F0III	0.22	B2III	0.18	B3VP	0.31	F0IV	0.31	DA6
BW	OBS	BW	OBS	BW	OBS	BW	OBS	BW	OBS	BW	OBS
25/50	K0	30/60	AD	50/100	SPO	60	MOR	50	BRK	50	BRK
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3297	.170	3200	1.750	3300	-.376	3300	.174	3370	1.649	3470	1.407
3390	.195	3300	1.558	3390	-.284	3400	.243	3420	1.515	3520	1.374
3448	.199	3390	1.562	3448	-.267	3500	.230	3470	1.525	3570	1.368
3509	.187	3448	1.506	3509	-.267	3600	.257	3520	1.483	3620	1.308
3571	.205	3509	1.480	3570	-.222	4200	-.296	3570	1.492	4032	.112
3636	.207	3571	1.441	3636	-.215	4425	-.217	3620	1.419	4165	.104
4032	-.256	3636	1.389	4036	-.349	4600	-.136	4032	.151	4255	.055
4167	-.255	4032	-.113	4167	-.288	4750	-.094	4165	.133	4465	.022
4255	-.235	4167	-.096	4255	-.266	5000	0.000	4255	.093	4565	.002
4464	-.165	4255	-.098	4464	-.196	5200	.061	4465	.046	4780	-.017
4566	-.131	4464	-.119	4566	-.157	5400	.115	4565	.017	5100	.005
4780	-.071	4566	-.090	4780	-.116	5600	.166	4780	-.004	5556	-.009
5000	0.000	4785	-.053	5000	0.000	5800	.252	5100	-.000	5840	-.004
5255	.051	5000	0.000	5264	.086	6000	.191	5556	-.032	6056	.022
5556	.118	5264	.049	5556	.172	0	0.000	5840	-.032	6364	.027
5840	.190	5556	.049	5840	.283	0	0.000	6056	-.023	6764	.022
6055	.249	5840	.063	6050	.330	0	0.000	6364	-.029	7100	.049
6370	.310	6056	.095	0	0.000	0	0.000	6764	-.025	7300	.073
6800	.392	6370	.142	0	0.000	0	0.000	7100	-.018	7530	.073
7100	.475	6800	.161	0	0.000	0	0.000	7300	-.004	0	0.000
7530	.585	7100	.209	0	0.000	0	0.000	7530	.008	0	0.000
7850	.628	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000

GAMMA CAP HR 8278		PI CYG HR 8301		IUKAPPA PEG HR 8315		BD +28 4211		GAMMA GRU HR 8353		GAMMA GRU HR 8353	
B-V	SP	B-V	SP	B-V	SP	B-V	SP	B-V	SP	B-V	SP
0.32	F0III	0.12	F0III	0.44	F5IV		NP	0.12	R8III	0.12	R8III
BW	OBS	BW	OBS	BW	OBS	BW	OBS	BW	OBS	BW	OBS
30/60	WOL	25/50	K0	40/80	NP	49/98	RPS	50	NOR	60	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
4032	.184	3297	.190	3509	1.283	3300	-.766	3390	.662	3300	.594
4255	.095	3390	.195	3571	1.248	3350	-.703	3448	.665	3400	.573
4464	.035	3448	.199	3636	1.195	3400	-.714	3509	.667	3500	.610
4566	.019	3509	.197	4032	.266	3450	-.668	3571	.676	3600	.597
4780	-.061	3571	.195	4167	.272	3500	-.656	3636	.674	4200	-.226
5000	0.000	3636	.207	4255	.194	3571	-.622	4032	-.238	4425	-.177
5260	-.002	4032	-.236	4464	.094	3636	-.595	4167	-.205	4600	-.116
5550	-.052	4167	-.245	4566	.083	4036	-.439	4255	-.184	4750	-.064
5800	-.053	4255	-.225	4785	-.016	4167	-.378	4464	-.146	5000	0.000
6060	-.041	4464	-.145	5000	0.000	4255	-.326	4566	-.100	5200	.021
6370	-.010	4566	-.131	5263	-.044	4464	-.266	4785	-.055	5400	.085
6800	-.028	4780	-.071	5556	-.128	4566	-.177	5000	0.000	5600	.086
7110	-.005	5000	0.000	5848	-.137	4785	-.096	5263	.065	5800	.152
7530	.045	5255	.041	6061	-.160	5000	0.000	5556	.107	6000	.151
7850	.048	5556	.108	6452	-.179	5263	.076	0	0.000	0	0.000
8080	.061	5840	.170	6803	-.213	5556	.172	0	0.000	0	0.000
8400	.043	0	0.000	7092	-.221	5840	.293	0	0.000	0	0.000
8800	.086	0	0.000	7519	-.203	6056	.370	0	0.000	0	0.000
0	0.000	0	0.000	7752	-.240	6436	.462	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	6790	.526	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	7550	.758	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	8090	.835	0	0.000	0	0.000

TABLE 2—Continued

15 PEG		16 PEG		20 PEG		OMICRON AQR		21 PFG		ALPHA AQR	
B-V	HR 8356	HR 8356	HR 8356	HR 8392	HR 8392	HR 8402	HR 8402	HR 8404	HR 8404	HR 8414	HR 8414
	-0.18	-0.18				-0.09	-0.09	-0.07	-0.07	0.98	0.98
SP	H3V	H3V				H8VE	H8VE	B9IV	B9IV	G2IB	G2IB
BW	48/64	25/50				60	60	48/64	48/64	50	50
OBS	KUB	KO				MOR	MOR	KUR	KUR	SE6	SE6
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.065	3297	.110	3509	1.363	3300	.524	3400	1.015	5556	-.290
3450	.085	3390	.115	3571	1.328	3400	.553	3450	1.005	5840	-.438
3500	.106	3448	.139	3636	1.265	3500	.550	3500	.996	6055	-.504
3560	.104	3509	.137	4032	.156	3600	.517	3560	.974	6370	-.515
3615	.115	3571	.145	4167	.162	4200	-.226	3615	.975	6800	-.644
3670	.123	3636	.157	4255	.104	4425	-.177	3670	.953	7100	-.683
4050	-.349	4032	-.266	4464	.044	4600	-.096	4050	-.249	7530	-.741
4170	-.304	4167	-.275	4566	.053	4750	-.054	4170	-.214	7850	-.810
4230	-.287	4255	-.255	4785	-.036	5000	0.000	4230	-.197	8080	-.803
4300	-.279	4464	-.165	5000	0.000	5200	.051	4300	-.179	8400	-.829
4440	-.214	4566	-.151	5263	-.024	5400	.085	4440	-.154	8805	-.810
4510	-.188	4780	-.081	5556	-.098	5600	.056	4510	-.128	9700	-.864
4580	-.150	5000	0.000	5848	-.097	5800	.202	4580	-.100	9950	-.895
4615	-.131	5255	.061	6061	-.070	6000	.291	4615	-.091	10250	-.958
4680	-.112	5556	.128	6452	-.089	0	0.000	4680	-.072	10400	-.938
4785	-.085	5840	.210	6803	-.123	0	0.000	4785	-.055	10800	-.964
5000	0.000	6055	.279	7092	-.131	0	0.000	5000	0.000	0	0.000
5260	.055	6370	.340	7519	-.083	0	0.000	5260	.045	0	0.000
5560	.128	6800	.432	7752	-.090	0	0.000	5560	.098	0	0.000
5840	.209	7100	.505	0	0.000	0	0.000	5840	.159	0	0.000
6050	.273	7530	.635	0	0.000	0	0.000	6050	.213	0	0.000
6370	.350	7850	.668	0	0.000	0	0.000	6370	.270	0	0.000
6800	.422	0	0.000	0	0.000	0	0.000	6800	.322	0	0.000
7100	.494	0	0.000	0	0.000	0	0.000	7100	.374	0	0.000

ALPHA GRU		ALPHA GRU		ALPHA GRU		25 PEG		GAMMA AQR		GAMMA AQR	
B-V	HR 8425	HR 8425	HR 8425	HR 8425	HR 8425	HR 8438	HR 8438	HR 8518	HR 8518	HR 8518	HR 8518
	-0.14	-0.14				-0.09	-0.09	-0.06	-0.06	-0.06	-0.06
SP	H5V	H5V				H7V	H7V	A0V	A0V	A0V	A0V
BW	50	9				60	60	50	50	50	50
OBS	DW	AFN				MOR	MOR	OKE	OKE	WKH	WKH
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.360	3392	.381	3300	.374	3400	.395	3390	1.045	3300	1.091
3390	.400	3441	.380	3400	.413	3450	.405	3448	1.019	3400	1.057
3448	.399	3504	.378	3500	.400	3500	.396	3509	1.017	3450	1.029
3509	.407	3547	.379	3600	.417	3560	.404	3571	1.005	3500	1.040
3571	.415	3634	.373	4200	-.256	3615	.405	3636	1.007	3570	1.027
3636	.412	4032	-.315	4425	-.187	3670	.403	4032	-.246	3636	1.009
4032	-.301	4082	-.290	4600	-.126	4050	-.269	4167	-.205	4032	-.240
4167	-.275	4167	-.256	4750	-.084	4170	-.244	4255	-.195	4167	-.217
4255	-.250	4255	-.223	5000	0.000	4230	-.217	4464	-.155	4255	-.200
4464	-.175	4367	-.198	5200	.051	4300	-.219	4566	-.111	4466	-.147
4566	-.136	4464	-.178	5400	.095	4440	-.174	4785	-.040	4566	-.114
4785	-.075	4566	-.132	5600	.136	4510	-.158	5000	0.000	4780	-.065
5000	0.000	4673	-.105	5800	.162	4580	-.130	5263	.093	5000	0.000
5263	.068	5000	0.000	6000	.201	4615	-.101	5556	.118	5263	.051
5500	.123	5127	.031	0	0.000	4680	-.082	5840	.190	5556	.098
5556	.133	5261	.067	0	0.000	4785	-.065	6055	.219	5840	.161
5840	.215	5556	.138	0	0.000	5000	0.000	6370	.250	6056	.201
6055	.279	5868	.222	0	0.000	5260	.035	6436	.301	6370	.273
6370	.340	0	0.000	0	0.000	5560	.098	6790	.331	6800	.364
6800	.422	0	0.000	0	0.000	5840	.169	7100	.385	7100	.430
7100	.465	0	0.000	0	0.000	6050	.213	7550	.476	7530	.509
7530	.570	0	0.000	0	0.000	6370	.280	7780	.521	0	0.000
7850	.623	0	0.000	0	0.000	6800	.332	7850	.518	0	0.000
8080	.646	0	0.000	0	0.000	7100	.384	8090	.571	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8370	.555	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8708	.555	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8805	.576	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9700	.627	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9832	.620	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9950	.662	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10256	.679	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10400	.724	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10610	.698	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10796	.722	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10870	.712	0	0.000

TABLE 2—Continued

2 LAC		PI AOR		PI AOR		HD 212978		6 LAC		ALPHA LAC	
HR 8523		HR 8539		HR 8539		HR 8553		HR 8579		HR 8585	
B-V	-0.12		-0.06		-0.06		-0.14		-0.08		0.01
SP	B61V		B1VPE		B1VPE		B2V		B2IV		A1V
BW	48/64		50		60		48/64		48/64		50
OBS	KUB		SCF		MOR		KUB		KUB		WKH
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.365	3300	-.287	3300	-.306	3400	-.015	3400	.065	3300	1.218
3450	.375	3390	-.235	3400	-.237	3450	.005	3450	.085	3350	1.199
3560	.394	3509	-.238	3500	-.230	3500	.016	3560	.094	3400	1.183
3615	.385	3571	-.153	3600	-.233	3560	.034	3615	.105	3450	1.155
3670	.393	3636	-.206	4200	-.156	3615	.045	3670	.113	3500	1.148
4050	-.249	4055	-.140	4425	-.127	3670	.043	4050	-.219	3550	1.127
4170	-.224	4195	-.128	4600	-.056	4050	-.259	4170	-.204	3570	1.123
4230	-.197	4233	-.138	4750	-.024	4170	-.244	4230	-.177	3636	1.104
4300	-.199	4420	-.112	5000	0.000	4230	-.217	4300	-.189	4032	-.190
4440	-.144	4582	-.138	5200	.031	4300	-.219	4440	-.144	4167	-.168
4510	-.128	4810	-.026	5400	.065	4440	-.154	4510	-.118	4255	-.141
4580	-.110	4975	.008	5600	.096	4510	-.138	4580	-.110	4466	-.132
4615	-.111	5100	.067	5800	.102	4580	-.120	4615	-.101	4566	-.095
4680	-.102	5250	.045	6000	-.009	4615	-.111	4680	-.082	4780	-.061
4785	-.065	5490	.074	0	0.000	4680	-.092	4785	-.065	5000	0.000
5000	0.000	5625	.081	0	0.000	4785	-.075	5000	0.000	5263	.050
5260	.055	5800	.082	0	0.000	5000	0.000	5260	.025	5556	.116
5560	.118	6000	.077	0	0.000	5260	.055	5560	.078	5840	.139
5840	.189	0	0.000	0	0.000	5560	.128	5840	.149	6056	.185
6050	.253	0	0.000	0	0.000	5840	.209	6050	.203	6436	.238
6370	.340	0	0.000	0	0.000	6050	.263	6370	.280	6800	.316
6800	.402	0	0.000	0	0.000	6370	.340	6800	.342	7100	.341
7100	.464	0	0.000	0	0.000	6800	.412	7100	.384	0	0.000
0	0.000	0	0.000	0	0.000	7100	.474	0	0.000	0	0.000

ETA AQR		ETA AQR		8 LAC		10 LAC		EPSILON PSA			
HR 8597		HR 8597		HR 8603		HR A607		HR 8622		HR 8628	
B-V	-0.10		-0.10		-0.14				-0.20		-0.11
SP	B8V		B8V		B1VE		A2		O9V		B8VE
BW	48/64		50		50		25/50		48/64		60
OBS	KUB		WKH		SCF		AD		KUB		MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.765	3300	.768	3300	-.235	3200	1.614	3400	-.445	3300	.584
3450	.775	3350	.762	3390	-.193	3300	1.418	3450	-.415	3400	.633
3500	.766	3400	.758	3509	-.136	3390	1.408	3560	-.366	3500	.620
3560	.764	3450	.766	3571	-.131	3448	1.347	3615	-.345	3600	.617
3615	.755	3500	.755	3636	-.104	3509	1.368	3670	-.317	4200	-.216
3670	.753	3550	.741	4055	-.248	3571	1.318	4050	-.309	4425	-.187
4050	-.239	3570	.751	4195	-.196	3636	1.272	4170	-.274	4600	-.106
4170	-.214	3636	.752	4233	-.186	4032	-.134	4230	-.247	4750	-.074
4230	-.197	4032	-.247	4420	-.131	4167	-.105	4300	-.249	5000	0.000
4300	-.189	4167	-.222	4582	-.116	4255	-.103	4440	-.184	5200	.041
4440	-.154	4255	-.201	4810	-.054	4464	-.112	4510	-.158	5400	.065
4510	-.128	4466	-.152	4975	.010	4566	-.077	4580	-.140	5600	.106
4580	-.110	4566	-.111	5100	.029	4785	-.049	4615	-.131	5800	.132
4615	-.111	4780	-.062	5250	.067	5000	0.000	4680	-.092	6000	.161
4680	-.092	5000	0.000	5490	.106	5264	.032	4785	-.085	0	0.000
4785	-.075	5263	.032	5625	.153	5556	.048	5000	0.000	0	0.000
5000	0.000	5556	.102	5800	.203	5840	.066	5260	.065	0	0.000
5260	.055	5840	.158	6000	.239	6056	.102	5560	.138	0	0.000
5840	.189	6056	.216	0	0.000	6370	.141	5840	.219	0	0.000
6050	.253	6370	.296	0	0.000	6800	.165	6050	.293	0	0.000
6370	.320	6436	.296	0	0.000	7100	.200	6370	.370	0	0.000
6800	.382	6800	.389	0	0.000	0	0.000	6800	.462	0	0.000
7100	.434	7100	.448	0	0.000	0	0.000	7100	.534	0	0.000
0	0.000	7530	.559	0	0.000	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

ZETA PEG HR 8634		ZETA PEG HR 8634		ZETA PEG HR 8634		ZETA PEG HR 8634		ZETA PEG HR 8634		ZETA PEG HR 8634	
B-V	-0.10	B-V	-0.10	B-V	-0.10	B-V	-0.10	B-V	-0.10	B-V	-0.10
SP	88V	SP	88V	SP	88V	SP	88V	SP	88V	SP	88V
B _w	50/100	B _w	50/100	B _w	50	B _w	48/64	B _w	48/64	B _w	60
ORS	STD	ORS	SPO	ORS	WKH	ORS	STI	ORS	KUB	ORS	MQR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.802	3300	.804	3300	.808	3350	.830	3400	.805	3300	.834
3390	.805	3390	.826	3400	.789	3400	.811	3450	.805	3400	.813
3448	.807	3448	.831	3450	.795	3450	.816	3500	.796	3500	.820
3509	.794	3509	.813	3500	.787	3500	.804	3560	.794	3600	.807
3571	.788	3570	.798	3570	.789	3570	.794	3615	.785	4200	-.216
3636	.784	3636	.795	3636	.776	3636	.795	3670	.783	4425	-.167
4036	-.262	4036	-.279	4032	-.255	4035	-.236	4050	-.249	4600	-.106
4167	-.225	4167	-.218	4167	-.222	4168	-.216	4170	-.224	4750	-.064
4255	-.192	4255	-.176	4255	-.204	4255	-.174	4230	-.197	5000	0.000
4464	-.160	4464	-.176	4466	-.153	4465	-.135	4300	-.189	5200	.051
4566	-.118	4566	-.127	4566	-.114	4565	-.098	4440	-.154	5400	.075
4785	-.070	4780	-.081	4780	-.072	5264	.079	4510	-.138	5600	.116
5000	0.000	5000	0.000	5000	0.000	5560	.119	4580	-.110	5800	.202
5264	.054	5264	.066	5263	.035	5840	.207	4615	-.101	6000	.221
5556	.111	5556	.122	5556	.108	6054	.256	4680	-.092	0	0.000
5840	.173	5840	.163	5840	.162	6440	.333	4785	-.065	0	0.000
6050	.243	6050	.300	6056	.206	6792	.380	5000	0.000	0	0.000
0	0.000	0	0.000	6370	.280	7102	.428	5260	.055	0	0.000
0	0.000	0	0.000	6800	.368	7552	.511	5560	.118	0	0.000
0	0.000	0	0.000	7100	.411	7782	.535	5840	.179	0	0.000
0	0.000	0	0.000	7530	.535	0	0.000	6050	.233	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6370	.310	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	6800	.372	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	7100	.414	0	0.000

OMICRON PEG HR 8641		OMICRON PEG HR 8641		HD 215191 HR 8651		HR 8681		HR 8682		DELTA AQR HR 8709	
B-V	-0.01	B-V	-0.01	B-V	-0.09	B-V	0.29	B-V	-0.07	B-V	0.05
SP	A11V	SP	A11V	SP	B1V	SP	F0	SP	B8	SP	A3V
B _w	50	B _w	30/60	B _w	48/64	B _w	32/64	B _w	30/60	B _w	60
ORS	WKH	ORS	WOL	ORS	KUB	ORS	BRK	ORS	AD	ORS	MOR
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.227	4032	-.196	3400	-.095	3390	1.404	3200	.513	3300	1.454
3350	1.209	4255	-.155	3450	-.075	3448	1.343	3300	.411	3400	1.403
3400	1.195	4464	-.135	3500	-.074	3510	1.316	3390	.415	3500	1.380
3450	1.177	4566	-.081	3560	-.056	3570	1.272	3448	.398	3600	1.347
3500	1.163	4780	-.061	3615	-.035	3636	1.239	3509	.459	4200	-.096
3550	1.142	5000	0.000	3670	-.037	4032	.113	3571	.447	4425	-.087
3570	1.146	5260	.062	4050	-.269	4166	.128	3636	.433	4600	-.066
3636	1.117	5550	.098	4170	-.244	4257	.090	4032	-.225	4750	-.044
4032	-.214	5800	.157	4230	-.227	4466	.046	4167	-.205	5000	0.000
4167	-.176	6060	.199	4300	-.229	4566	.008	4255	-.196	5200	.041
4255	-.157	6370	.260	4440	-.174	4780	-.014	4464	-.163	5400	.055
4466	-.141	6800	.312	4510	-.158	5100	-.001	4566	-.135	5600	.076
4566	-.099	7110	.355	4580	-.130	5264	.012	4785	-.058	5800	.082
4780	-.066	7530	.445	4615	-.111	5556	-.042	5000	0.000	6000	.051
5000	0.000	7850	.478	4680	-.092	5840	-.051	5264	.040	0	0.000
5263	.049	8080	.511	4785	-.075	6364	-.049	5556	.093	0	0.000
5556	.097	8400	.513	5000	0.000	6764	-.034	5840	.140	0	0.000
5840	.151	8800	.516	5260	.025	7100	-.035	6056	.199	0	0.000
6056	.194	0	0.000	5560	.078	7300	-.008	6370	.259	0	0.000
6370	.258	0	0.000	5840	.139	7530	-.008	6800	.312	0	0.000
6436	.251	0	0.000	6050	.203	7840	-.014	7100	.365	0	0.000
6800	.337	0	0.000	6370	.280	8080	.020	0	0.000	0	0.000
7100	.356	0	0.000	6800	.342	8400	-.006	0	0.000	0	0.000
7530	.450	0	0.000	7100	.394	9950	.087	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10250	.090	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10400	.019	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	10830	.106	0	0.000	0	0.000

TABLE 2—Continued

RHO PEG HR 8717		RHO PEG HR 8717		ALPHA PSA HR 8728		ALPHA PSA HR 8728		ZETA GRU HR 8747		Z AND HR 8766	
B-V	0.00	0.00	0.00	0.09	0.09	0.09	0.09	0.98	0.15	0.15	0.15
SP	A1V	A1V	A1V	A3V	A3V	A3V	A3V	G5III	A3VN	A3VN	A3VN
BW	50	50	50	50	50	60	60	50	50	50	50
OBS	OKE	WKH	WKH	DW	DW	MOR	MOR	SEG	SEG	SEG	OKE
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	1.225	3300	1.180	3300	1.370	3300	1.342	5556	-.290	3390	1.425
3448	1.189	3400	1.167	3390	1.360	3400	1.344	5840	-.438	3448	1.379
3509	1.187	3450	1.144	3448	1.319	3500	1.283	6055	-.534	3509	1.387
3571	1.165	3500	1.135	3509	1.282	3600	1.243	6370	-.535	3571	1.355
3636	1.157	3570	1.132	3571	1.275	4200	-.099	6800	-.684	3636	1.317
4032	-.206	3636	1.113	3636	1.217	4425	-.103	7100	-.743	4032	-.116
4167	-.175	4032	-.209	4032	-.111	4600	-.075	7530	-.821	4167	-.085
4255	-.155	4167	-.165	4167	-.095	4750	-.059	7850	-.930	4255	-.095
4464	-.135	4255	-.151	4255	-.110	5000	0.000	8080	-.903	4464	-.085
4566	-.091	4466	-.136	4464	-.095	5200	.032	8400	-.969	4566	-.061
4785	-.040	4566	-.098	4566	-.066	5400	.043	9700	-1.054	4785	-.030
5000	0.000	4780	-.052	4785	-.055	5600	.050	9950	-1.045	5000	0.000
5263	.073	5000	0.000	5000	0.000	5800	.062	10250	-1.078	5263	.053
5556	.098	5263	.010	5263	.043	6000	.055	10400	-1.088	5556	.048
5840	.160	5556	.066	5500	.048	0	0.000	10800	-1.124	5840	.100
6055	.199	5840	.115	5556	.053	0	0.000	0	0.000	6055	.109
6370	.260	6056	.159	5840	.105	0	0.000	0	0.000	6370	.161
6790	.311	6370	.218	6055	.149	0	0.000	0	0.000	6790	.171
7100	.335	6800	.300	6370	.190	0	0.000	0	0.000	7100	.205
7550	.456	7100	.366	6800	.232	0	0.000	0	0.000	7550	.256
7850	.498	7530	.454	7100	.260	0	0.000	0	0.000	7850	.291
8090	.511	0	0.000	7530	.350	0	0.000	0	0.000	8090	.281
8370	.525	0	0.000	7850	.383	0	0.000	0	0.000	8370	.265
8805	.536	0	0.000	8080	.401	0	0.000	0	0.000	8805	.265
9700	.547	0	0.000	0	0.000	0	0.000	0	0.000	9700	.310
9950	.612	0	0.000	0	0.000	0	0.000	0	0.000	9950	.349
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10796	.362
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10870	.342

RHO PEG HR 8773		RHO PEG HR 8776		ALPHA PEG HR 8781		ALPHA PEG HR 8781		ALPHA PEG HR 8781		ALPHA PEG HR 8781	
B-V	-0.13			-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04	-0.04
SP	K5PE	F2	F2	B9V	B9V	B9V	B9V	B9V	B9V	B9V	B9V
BW	60	32/64	32/64	50	50	50	50	48/64	48/64	48/64	48/64
OBS	MOR	BRE	BRE	RA	RA	WKH	WKH	KIUB	KIUB	KIUB	KHA
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.374	3390	1.435	3294	1.205	3300	1.194	3400	1.165	3300	1.333
3400	.423	3448	1.382	3396	1.203	3400	1.165	3450	1.155	3400	1.256
3500	.420	3510	1.363	3492	1.173	3450	1.150	3560	1.124	3500	1.191
3600	.417	3570	1.290	3594	1.139	3500	1.137	3615	1.105	3600	1.145
4200	-.256	3636	1.239	4026	-.209	3570	1.121	3670	1.093	3700	1.022
4425	-.187	4032	.241	4172	-.175	3636	1.106	4050	-.209	4036	-.221
4600	-.126	4166	.246	4418	-.146	4032	-.218	4170	-.184	4221	-.179
4750	-.064	4257	.182	4544	-.100	4167	-.170	4230	-.167	4500	-.121
5000	0.000	4466	.104	4724	-.066	4255	-.151	4300	-.149	4600	-.092
5200	.051	4566	.072	4954	-.007	4466	-.131	4440	-.144	4700	-.068
5400	.095	4780	.014	5120	.036	4566	-.086	4510	-.118	4861	-.033
5600	.156	5100	-.027	5368	.078	4780	-.064	4580	-.090	5000	0.000
5800	.182	5264	-.016	5672	.142	5000	0.000	4615	-.091	5150	.031
6000	.141	5556	-.105	6014	.214	5263	.037	4680	-.072	5300	.057
0	0.000	5840	-.133	6404	.274	5556	.098	4785	-.055	5500	.091
0	0.000	6364	-.155	0	0.000	5840	.145	5000	0.000	5700	.144
0	0.000	6764	-.181	0	0.000	6056	.187	5260	.045	6000	.224
0	0.000	7100	-.192	0	0.000	6370	.250	5560	.098	6200	.257
0	0.000	7250	-.174	0	0.000	6800	.319	5840	.149	6400	.273
0	0.000	0	0.000	0	0.000	7100	.365	6050	.203	6500	.289
0	0.000	0	0.000	0	0.000	7530	.477	6370	.270	6600	.283
0	0.000	0	0.000	0	0.000	0	0.000	6800	.312	6700	.301
0	0.000	0	0.000	0	0.000	0	0.000	7100	.364	6800	.328
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7000	.379
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7100	.445
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	7200	.513

TABLE 2—Continued

ALPHA PEG		HR 8799		HD 219134		HD 219134		FEIGE 110		HR 8845	
B-V	HR 8781	HR 8799	HR 8799	HR 8832	HR 8832	HR 8832	HR 8832	-0.32	SD0	F2	
SP	89V	45V	45V	K3V	K3V	K3V	K3V	50	50	32/64	RRE
BW	60	32/64	48/64	48/64	50	50	50	SS			
OBS	MOR	BRE	STI	WHI							
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	1.184	3390	1.281	3350	2.694	4955	.027	3390	-.555	3370	1.311
3400	1.163	3448	1.231	3400	2.528	5311	-.185	3448	-.591	3420	1.271
3500	1.190	3510	1.206	3450	2.645	5556	-.331	3571	-.515	3470	1.245
3600	1.147	3570	1.176	3500	2.421	5747	-.446	3636	-.483	3520	1.192
4200	-.196	3636	1.113	3570	2.673	6053	-.570	4032	-.406	3570	1.199
4425	-.147	4032	.086	3636	2.227	6431	-.629	4255	-.255	3620	1.168
4600	-.106	4166	.092	4035	1.175	6821	-.736	4566	-.171	4032	.288
4750	-.064	4257	.058	4168	1.016	7102	-.773	5000	0.000	4165	.253
5000	0.000	4466	.013	4255	.990	7530	-.834	5556	.178	4255	.197
5200	.041	4566	.020	4465	.388	7819	-.870	0	0.000	4465	.080
5400	.095	4780	.010	4565	.193	8065	-.897	0	0.000	4565	.068
5600	.126	5100	-.003	5264	-.129	8598	-.945	0	0.000	4780	.007
5800	.172	5264	-.005	5560	-.365	8850	-.962	0	0.000	5100	-.017
6000	.231	5556	-.024	5840	-.519	9950	-1.017	0	0.000	5264	-.023
0	0.000	5840	-.030	6054	-.589	10246	-1.029	0	0.000	5556	-.080
0	0.000	6364	-.026	6440	-.654	10526	-1.052	0	0.000	5840	-.110
0	0.000	6764	-.010	6792	-.773	0	0.000	0	0.000	6056	-.096
0	0.000	7100	-.001	7102	-.833	0	0.000	0	0.000	6364	-.107
0	0.000	7250	.017	7552	-.907	0	0.000	0	0.000	6764	-.132
0	0.000	7300	.024	7782	-.967	0	0.000	0	0.000	7100	-.154
0	0.000	7530	.024	0	0.000	0	0.000	0	0.000	7300	-.166
0	0.000	7840	.018	0	0.000	0	0.000	0	0.000	7530	-.185
0	0.000	8080	.052	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8400	.015	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	8950	.109	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10250	.139	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10400	.164	0	0.000	0	0.000	0	0.000	0	0.000
0	0.000	10830	.232	0	0.000	0	0.000	0	0.000	0	0.000

PS12 AQR		HD 219927		65 PEG		KAPPA PSC		KAPPA PSC		KAPPA PSC	
B-V	HR 8858	HR 8873	HR 8873	HR 8891	HR 8891	HR 8911	HR 8911	HR 8911	HR 8911	HR 8911	HR 8911
SP	85V	85IV	85IV	89.5IV	89.5IV	A0P	A0P	A0P	A0P	A0P	A0P
BW	50	48/64	48/64	48/64	48/64	10	60	30/60	30/60	30/60	30/60
OBS	WKH	KUB	KUB	KUB	KUB	JUS	MOR	WOL	WOL	WOL	WOL
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3300	.257	3400	.535	3400	1.065	3390	1.205	3300	1.144	5260	.014
3350	.268	3450	.595	3450	1.065	3448	1.159	3400	1.213	5550	.030
3400	.271	3500	.586	3500	1.046	3509	1.127	3500	1.120	5800	.069
3450	.277	3560	.594	3560	1.024	3571	1.105	3600	1.077	6060	.100
3500	.275	3615	.585	3615	1.025	3636	1.057	4200	-.116	6370	.152
3550	.304	3670	.583	3670	.993	4032	-.126	4425	-.137	6800	.214
3570	.290	4050	-.219	4050	-.249	4082	-.116	4600	-.096	7110	.257
3636	.286	4170	-.214	4170	-.234	4167	-.095	4750	-.074	7530	.357
4032	-.265	4230	-.177	4230	-.217	4255	-.095	5000	0.000	7850	.380
4167	-.248	4300	-.179	4300	-.189	4367	-.105	5200	.071	8080	.413
4255	-.211	4440	-.134	4440	-.194	4464	-.105	5400	.075	8400	.424
4466	-.152	4510	-.118	4510	-.148	4566	-.081	5600	.096	8800	.448
4566	-.129	4580	-.100	4580	-.120	4673	-.066	5800	.112	0	0.000
4780	-.081	4615	-.101	4615	-.101	4780	-.061	6000	.301	0	0.000
5000	0.000	4680	-.082	4680	-.082	4902	-.019	0	0.000	0	0.000
5263	.049	4785	-.065	4785	-.065	5000	0.000	0	0.000	0	0.000
5556	.121	5000	0.000	5000	0.000	5128	.067	0	0.000	0	0.000
5840	.193	5260	.045	5260	.045	5263	.113	0	0.000	0	0.000
6056	.267	5560	.088	5560	.088	5556	.108	0	0.000	0	0.000
6436	.333	5840	.159	5840	.149	0	0.000	0	0.000	0	0.000
0	0.000	6050	.213	6050	.193	0	0.000	0	0.000	0	0.000
0	0.000	6370	.280	6370	.260	0	0.000	0	0.000	0	0.000
0	0.000	6800	.322	6800	.302	0	0.000	0	0.000	0	0.000
0	0.000	7100	.374	7100	.364	0	0.000	0	0.000	0	0.000

TABLE 2—Continued

HD 221006		HD 221354		HD 221394		BETA SCI		BETA SCI		IOTA PHE	
HR 8919				HR 8933		HR 8937		HR 8937		HR 8949	
B-V	-0.18	K0		AO SI	0.12	B9	-0.09	B9	-0.09	AP	0.08
SP	A0SI	50		30/60		9		60		60	
BW	50	50		WOL		AFN		MOR		MOR	
OBS	HYL	WHI									
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.251	4955	.020	5260	.014	3392	.616	3300	.584	3300	1.434
3448	.254	5311	-.142	5550	.030	3441	.614	3400	.643	3400	1.433
3509	.243	5556	-.238	5800	.089	3504	.610	3500	.620	3500	1.360
3570	.268	5747	-.343	6060	.110	3567	.608	3600	.597	3600	1.317
3636	.267	6053	-.398	6370	.172	3634	.597	4200	-.216	4200	-.106
4036	-.321	6431	-.466	6800	.234	4032	-.232	4425	-.177	4425	-.107
4167	-.265	6821	-.533	7110	.267	4082	-.215	4600	-.116	4600	-.066
4255	-.245	7102	-.550	7530	.367	4167	-.189	4750	-.054	4750	-.044
4464	-.205	7530	-.591	7850	.390	4255	-.166	5000	0.000	5000	0.000
4566	-.158	7819	-.617	8080	.413	4367	-.151	5200	.081	5200	.061
4780	-.088	8065	-.624	8400	.424	4464	-.140	5400	.105	5400	.075
5000	0.000	8598	-.672	8800	.448	4566	-.101	5600	.126	5600	.076
5264	.113	8850	-.669	0	0.000	4673	-.081	5800	.132	5800	.072
5556	.181	9950	-.684	0	0.000	5000	0.000	6000	.231	6000	.131
5840	-.298	10246	-.706	0	0.000	5127	.023	0	0.000	0	0.000
0	0.000	10526	-.709	0	0.000	5261	.047	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	5556	.094	0	0.000	0	0.000
0	0.000	0	0.000	0	0.000	5868	.145	0	0.000	0	0.000

IOTA AND		IOTA AND		KAPPA AND		KAPPA AND		LAMBDA PSC		FEIGE 111	
HR 8965		HR 8965		HR 8976		HR 8976		HR 8984		HR 8984	
B-V	-0.10	B8V	-0.11	B9IVN	-0.08	B9IVN	-0.08	A7V	0.20	BW	0.02
SP	B8V	50		48/64		50		50		50	
BW	48/64	50		WKH		WKH		BA0		SS	
OBS	KUB	WKH		KUR		WKH		BA0		SS	
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3400	.685	3300	.723	3400	.745	3300	.832	3390	1.410	3390	1.105
3450	.695	3350	.723	3450	.745	3350	.855	3448	1.369	3448	1.059
3560	.674	3400	.712	3560	.734	3400	.838	3509	1.352	3571	1.005
3615	.675	3450	.707	3615	.735	3450	.824	3571	1.305	3636	.977
3670	.653	3500	.703	3670	.733	3500	.816	3636	1.257	4032	-.166
4050	-.289	3550	.713	4050	-.299	3550	.833	4032	.019	4255	-.125
4170	-.244	3570	.708	4170	-.274	3570	.814	4167	.010	4566	-.101
4230	-.227	3636	.693	4230	-.247	3636	.800	4255	-.015	5000	0.000
4300	-.219	4032	-.236	4300	-.219	4032	-.228	4464	-.025	5556	.088
4440	-.184	4167	-.211	4440	-.194	4167	-.209	4566	-.021	0	0.000
4510	-.138	4255	-.171	4510	-.168	4255	-.166	4785	-.020	0	0.000
4580	-.120	4466	-.134	4580	-.130	4466	-.131	5000	0.000	0	0.000
4615	-.111	4566	-.106	4615	-.111	4566	-.100	5263	.018	0	0.000
4680	-.092	4780	-.066	4680	-.102	4780	-.065	5556	-.012	0	0.000
4785	-.075	5000	0.000	4785	-.075	5000	0.000	5882	.025	0	0.000
5000	0.000	5263	.062	5000	0.000	5263	.041	6055	.034	0	0.000
5260	.035	5556	.126	5260	.055	5556	.105	6370	.065	0	0.000
5560	.108	5840	.178	5560	.118	5840	.169	6800	.077	0	0.000
5840	.169	6056	.238	5840	.189	6056	.235	7100	.120	0	0.000
6050	.223	6436	.302	6050	.243	6436	.316	7530	.165	0	0.000
6370	.290	0	0.000	6370	.320	0	0.000	7850	.203	0	0.000
6800	.352	0	0.000	6800	.392	0	0.000	8080	.206	0	0.000
7100	.404	0	0.000	7100	.434	0	0.000	8400	.208	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	8805	.266	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9700	.242	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	9950	.282	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10250	.299	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10400	.284	0	0.000
0	0.000	0	0.000	0	0.000	0	0.000	10800	.357	0	0.000

TABLE 2--Continued

10A AQR		10B AQR		29 PSC		29 PSC		29 PSC		29 PSC	
HR 9031		HR 9031		HR 9087		HR 9087		HR 9087		HR 9087	
B-V	-0.15	B-V	-0.15	B-V	-0.14	B-V	-0.14	B-V	-0.14	B-V	-0.14
SP	B9 S1	SP	B9 S1	SP	B8111	SP	B8111	SP	B8111	SP	B8111
BW	50	BW	30/60	BW	50/100	BW	50/100	BW	50	BW	50
OBS	HYL	OBS	WOL	OBS	STD	OBS	SPO	OBS	OKE	OBS	HAY
LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.	LAMBDA	MAG.
3390	.465	4032	-.296	3300	.354	3390	.366	3390	.355	3300	.342
3448	.459	4255	-.205	3390	.354	3448	.353	3448	.349	3350	.341
3509	.447	4464	-.185	3448	.355	3509	.363	3509	.362	3400	.340
3570	.455	4566	-.121	3509	.358	3571	.368	3571	.370	3450	.357
3636	.457	4780	-.071	3571	.363	3636	.365	3636	.377	3500	.353
4036	-.277	5000	0.000	3636	.369	4036	-.299	4032	-.291	3571	.358
4167	-.235	5260	.112	4036	-.283	4167	-.238	4167	-.240	3636	.370
4255	-.225	5550	.138	4167	-.240	4255	-.226	4255	-.225	4037	-.267
4464	-.195	5800	.207	4255	-.222	4464	-.186	4464	-.175	4167	-.241
4566	-.141	6060	.259	4464	-.173	4566	-.137	4566	-.136	4255	-.218
4780	-.091	6370	.350	4566	-.133	4780	-.076	4785	-.075	4464	-.160
5000	0.000	6800	.412	4785	-.070	5000	0.000	5000	0.000	4566	-.130
5264	.103	7110	.465	5000	0.000	5264	.066	5263	.068	4786	-.065
5556	.118	7530	.555	5264	.058	5556	.122	5556	.128	5000	0.000
0	0.000	7850	.608	5556	.124	5840	.203	5840	.200	5263	.049
0	0.000	8040	.641	5840	.201	6050	.250	6055	.254	5556	.125
0	0.000	8400	.663	6050	.253	0	0.000	6370	.325	5840	.198
0	0.000	8800	.706	0	0.000	0	0.000	6800	.397	6056	.256
0	0.000	0	0.000	0	0.000	0	0.000	7100	.440	6440	.336
0	0.000	0	0.000	0	0.000	0	0.000	7530	.540	6800	.402
0	0.000	0	0.000	0	0.000	0	0.000	7850	.583	7100	.462
0	0.000	0	0.000	0	0.000	0	0.000	8080	.616	7550	.561
0	0.000	0	0.000	0	0.000	0	0.000	8400	.628	7782	.592
0	0.000	0	0.000	0	0.000	0	0.000	8805	.671	8091	.626
0	0.000	0	0.000	0	0.000	0	0.000	9700	.772	8375	.654
0	0.000	0	0.000	0	0.000	0	0.000	9950	.807	8711	.664
0	0.000	0	0.000	0	0.000	0	0.000	10250	.854	9833	.756
0	0.000	0	0.000	0	0.000	0	0.000	10400	.859	10256	.851
0	0.000	0	0.000	0	0.000	0	0.000	10800	.887	10406	.911
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10616	.919
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10799	.939
0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	10881	1.006

29 PSC		ZETA SCL	
HR 9087		HR 9091	
B-V	-0.14	B-V	-0.15
SP	B8111	SP	B4111
BW	60	BW	60
ORS	MOR	ORS	MOR
LAMBDA	MAG.	LAMBDA	MAG.
3300	.394	3300	.264
3400	.403	3400	.283
3500	.410	3500	.340
3600	.377	3600	.327
4200	-.226	4200	-.216
4425	-.177	4425	-.147
4600	-.106	4600	-.076
4750	-.064	4750	-.044
5000	0.000	5000	0.000
5200	.041	5200	.041
5400	.085	5400	.135
5600	.126	5600	.136
5800	.142	5800	.242
6000	.061	6000	.301

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NOTE: References to the observations used in this catalog can be found in Table 1.

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