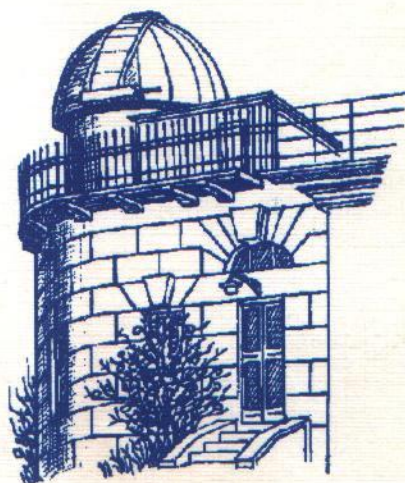


# ODESSA ASTRONOMICAL PUBLICATIONS

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# **THE SPECTROPHOTOMETRIC STAR CATALOGUE**

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Odessa - 1995

## THE SPECTROPHOTOMETRIC STAR CATALOGUE

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**ABSTRACT.** The spectral energy distributions for 555 stars are given. The data were obtained using the averaging procedure on the base of 20 original catalogues made by the several scientific groups.

Key words: Stars: catalogues: spectrophotometric.

The description of the method and list of the initial catalogues were given by Dragunova et al.(Odessa Astron. Publ., v.7, N 2, p.138). The results of spectrophotometrical observations which were carried out by Odessa astronomers during approximately 20 years and which were collected in Odessa Astronomical Observatory have been used in this work too.

Table 1 gives the list of the program stars: the names of columns are standard, excepting for five last ones - S is a number of sources used and A, B, C, D correspond to the characteristics of accuracy of averaged energy distribution in different spectral bands (A - 320 -450 nm, B - 450 - 550 nm, C - 550 - 750 nm and D - 750 - 900 nm), namely "1" corresponds to the scatter of 1 - 3%, "2" - to 5%, "3" -to 7%, "4" - to 10% and "5" - above 10%. An ordinal number N with asterisk (\*) indicates that the star is included in Table 3. The letter "m", "d", "s" or "v" near the V magnitude indicates star type: metallic, binary (double), spectral binary, variable.

Table 2 lists the energy distributions in stellar spectra at the spectral region 320 - 900 nm. The columns 1 and 8 at each page are wavelength in nanometers, and other 12 columns (headed by BS number, spectral type Sp, and V magnitude) give the energy for 6 stars. For instance, expression "5.011-5" means "0.00005011 watt per square meter per wavelength range 1 meter".

Table 3 gives the same for spectral region 320 - 1080 nm.

Table 1. The characteristics of stars

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
1	3	59	33Psc	00 <sup>h</sup> 02 <sup>m</sup> 46 <sup>s</sup>	-05°59.2'	4.62 <sup>m</sup>	K1 III	2	-	3	1	4
2*	33	190	fCet	00 08 43	-15 44.5	4.88	F6 V	2	-	4	4	-
3	45	270	$\chi$ Peg	00 12 01	19 55.7	4.80	M2 III	3	-	5	5	-
4	63	334	$\theta$ And	00 14 28	38 24.2	4.60	A2 V	3	2	2	1	-
5	68	362	$\sigma$ And	00 15 42	36 30.5	4.51 <sup>v</sup>	A2 V	4	2	2	4	1
6	74	388	$\iota$ Cet	00 16 53	-09 06.0	3.54	K2 III	3	3	2	2	3
7	153	727	$\zeta$ Cas	00 34 10	53 37.3	3.64 <sup>v</sup>	B2 V	5	3	4	4	-
8	163	759	$\varepsilon$ And	00 35 54	29 02.4	4.36 <sup>p</sup>	G5 III	4	3	3	4	-
9*	165	774	$\delta$ And	00 36 39	30 35.2	3.25 <sup>d</sup>	K3 III	7	4	3	2	2
10	168	792	$\alpha$ Cas	00 37 39	56 15.8	2.22	K0 II-III	6	4	3	3	4
11	179	828	$\xi$ Cas	00 39 16	50 14.3	4.78	B2 V	5	2	3	4	5
12	188	865	$\beta$ Cet	00 41 05	-18 15.6	2.04 <sup>v</sup>	K0 III	6	3	2	3	3
13*	193	882	22oCas	00 41 56	48 00.7	4.54	B2 V	2	-	2	2	-
14	211	928	57Psc	00 43 56	15 12.2	5.58:	M4 III:	3	-	4	4	-
15*	219	962	$\eta$ Cas	00 46 03	57 33.0	3.44 <sup>d</sup>	G0 V	7	2	2	2	1
16	224	963	$\delta$ Psc	00 46 05	07 18.8	4.43	K5 III	2	-	4	4	-
17	248	1055	20Cet	00 50 27	-01 24.9	4.77	M0 III	4	3	3	5	5
18	253	1086	$\nu^1$ Cas	00 52 01	58 42.1	4.82	K2 III	2	-	2	3	-
19	265	1115	$\nu^2$ Cas	00 53 40	58 54.7	4.62 <sup>s</sup>	G8 III-IV	4	3	2	2	2
20*	269	1122	$\mu$ And	00 53 58	38 13.7	3.86	A5 V	8	3	3	4	5
21*	271	1136	$\eta$ And	00 54 32	23 08.9	4.39 <sup>s</sup>	G8 III-IV	5	3	2	2	2
22	285	1288	2UMi	01 01 31	85 59.4	4.24	K2 III	3	2	1	5	-
23	294	1258	$\varepsilon$ Psc	01 00 21	07 37.3	4.27	K0 III	5	3	2	2	1
24*	334	1384	$\eta$ Cet	01 06 04	-10 26.8	3.44	K2 III	4	5	4	3	2
25	343	1424	$\theta$ Cas	01 08 03	54 53.1	4.34 <sup>v</sup>	A7 V	4	-	2	2	-
26*	351	1437	$\chi$ Psc	01 08 46	20 46.1	4.65	K0 III	3	3	2	2	2
27	352	1441	$\tau$ Psc	01 08 54	29 49.5	4.50	K0 III-IV	3	4	3	3	-
28	402	1695	$\theta$ Cet	01 21 31	-08 26.6	3.61	K0 III	5	2	3	4	-
29	412	1725	46Cet	01 23 10	-14 51.5	4.89	K3 III	2	-	1	3	-
30	442	1879	$\chi$ Cas	01 30 39	58 58.6	4.69	G8 III	2	-	1	1	-
31	456	1955	40Cas	01 34 28	72 47.2	5.28 <sup>v</sup>	G8 II-III	2	-	5	5	-
32*	458	1948	$\nu$ And	01 33 51	41 09.4	4.09	F8 V	5	2	3	4	-
33*	464	1966	51And	01 34 55	48 22.5	3.56	K3 III	3	-	2	3	5
34	489	2055	$\nu$ Psc	01 38 50	05 14.1	4.44	K3 III	2	-	3	3	-
35	509	2123	$\tau$ Cet	01 41 45	-16 12.0	3.49 <sup>p</sup>	G8 V	4	3	3	4	3
36	510	2139	oPsc	01 42 45	08 54.4	4.26	K0 III	2	-	3	3	-
37	539	2249	$\zeta$ Cet	01 48 59	-10 34.9	3.72 <sup>v</sup>	K2 III	2	-	3	2	-
38	542	2289	$\varepsilon$ Cas	01 50 46	63 25.5	3.37 <sup>v</sup>	B3 III	3	2	3	4	-
39	544	2272	$\alpha$ Tri	01 50 13	29 20.2	3.40 <sup>s</sup>	F5 III	6	4	4	4	4
40	549	2293	$\xi$ Psc	01 50 58	02 56.5	4.61 <sup>v</sup>	K0 III	2	-	3	2	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
41	563	2347	$\iota$ Ari	01 54 37	17 34.4	5.09s	K1 IV	2	-	1	1	-
42*	569	2366	$\lambda$ Ari	01 55 08	23 21.2	4.77	F0 IV	2	3	2	2	3
43*	580	2445	50Cas	01 59 07	72 10.8	3.95	A1 V	5	3	2	1	2
44	585	2419	$\nu$ Cet	01 57 39	-21 19.2	3.99	M1 III	3	2	3	3	-
45*	603/4	2477/9	$\gamma$ And	02 00 49	42 05.4	2.10	K2 III	4	5	4	4	1
46	613	2527	$\kappa$ Ari	02 03 46	22 24.6	5.04s	A0 V:	4	3	1	3	1
47	617	2538	$\alpha$ Ari	02 04 21	23 13.6	2.00v	K2 III	8	2	3	2	1
48*	622	2572	$\beta$ Tri	02 06 34	34 45.1	3.00s	A5 III	7	2	3	3	2
49	631	2601	15Ari	02 07 51	19 15.9	5.76	M3 III:	2	-	1	1	-
50	649	2656	$\xi^1$ Cet	02 10 21	08 36.8	4.36	G8 II	2	-	2	2	-
51	655	2710	7Tri	02 12 58	33 07.6	5.28	B9 V	2	-	3	3	-
52*	660	2733	$\delta$ Tri	02 14 00	33 59.8	4.86s	G0 V	5	3	3	2	2
53*	664	2742	$\gamma$ Tri	02 14 20	33 37.0	4.00	A1 V:	3	1	1	1	-
54	689	2846	69Cet	02 19 23	00 10.1	5.27	M2 III:	2	-	4	3	-
55	707	2952	$\iota$ Cas	02 24 55	67 10.7	4.49s	A5:	4	3	2	2	1
56	708	2932	$\rho$ Cet	02 23 32	-12 30.9	4.88	B9 V	2	-	1	1	-
57	788	3245	12Per	02 39 05	39 59.0	4.90s	F9 V	2	-	3	2	-
58	799	3277	$\theta$ Per	02 40 46	49 01.1	4.11d	F7 V	3	3	2	5	-
59*	801	3273	35Ari	02 40 31	27 29.7	4.65	B3 V	2	-	2	2	-
60*	804	3276	$\gamma$ Cet	02 40 42	03 01.6	3.46d	A2 V	7	3	1	3	2
61	818	3318	$\tau^1$ Eri	02 42 46	-18 47.0	4.47	F6 V	2	-	5	5	-
62	824	3356	39Ari	02 44 56	29 02.4	4.52	K1 III	2	-	3	3	-
63	834	3390	$\eta$ Per	02 47 02	55 41.4	3.77d	K3 Ib	3	5	2	2	-
64	838	3391	cAri	02 47 02	27 03.3	3.60	B8 V	4	3	4	4	-
65	843	3419	17Per	02 48 26	34 51.3	4.54	K5 III	2	-	5	5	-
66	874	3539	$\eta$ Eri	02 53 59	-09 05.8	3.88	K1 III-IV	3	3	2	3	-
67	882	3575	24Per	02 55 57	34 59.1	4.94	K2 III	2	-	3	3	-
68*	915	3664	$\gamma$ Per	03 01 10	53 18.7	2.94s	G8 III:	8	4	4	3	3
69	918	3674	kPer	03 01 46	56 30.7	4.76	K0 II-III	2	-	2	2	-
70*	937	3740	$\iota$ Per	03 05 27	49 25.4	4.05	G4 V	5	2	3	4	-
71	941	3755	$\kappa$ Per	03 06 07	44 40.2	3.79	K0 III	3	3	3	4	3
72	951	3805	$\delta$ Ari	03 08 46	19 32.3	4.35	K2 III	3	3	2	2	-
73	972	3872	$\zeta$ Ari	03 12 01	20 51.6	4.89	A0 IV	3	3	2	2	-
74	999	3981	-	03 17 18	28 52.1	4.46	K4 III	3	4	2	2	-
75	1015	4026	63Ari	03 19 52	20 33.9	5.09	K3 III	2	-	5	5	-
76*	1017	4041	$\alpha$ Per	03 20 44	49 41.1	1.80	F5 Ia	10	3	3	3	2
77*	1030	4070	1oTau	03 22 07	08 51.2	3.60	G8 III	7	5	4	4	3
78*	1038	4107	$\xi$ Tau	03 24 27	09 33.6	3.72s	B8 V	7	3	4	4	3
79	1052	4158	$\sigma$ Per	03 27 02	47 49.5	4.35	K3 III	2	-	2	2	-
80	1066	4184	fTau	03 28 06	12 46.0	4.11s	K0 II-III	2	-	4	1	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
81*	1084	4244	$\epsilon$ Eri	03 30 34	-09 37.6	3.73	K2 V	3	-	3	1	-
82	1101	4313	10Tau	03 34 19	00 14.7	4.28	F8 V	4	2	2	3	4
83*	1122	4427	$\delta$ Per	03 39 21	47 37.8	3.03	B5 III	7	2	1	2	3
84*	1135	4474	$\nu$ Per	03 41 47	42 25.3	3.77	F5 II	3	-	2	3	-
85*	1136	4450	$\delta$ Eri	03 40 51	-09 55.9	3.54	K0 IV	5	5	5	5	-
86	1162	4525	$\pi$ Eri	03 43 47	-12 15.4	4.42	M2 III	2	-	2	2	-
87	1220	4759	$\epsilon$ Per	03 54 30	39 52.0	2.90d	B1 III	2	-	3	3	-
88	1231	4778	$\gamma$ Eri	03 55 42	-13 39.0	2.95	M0 III	2	-	3	4	-
89	1251	4862	$\nu$ Tau	04 00 30	05 51.1	3.90	A1 V	5	4	4	3	4
90	1298	5056	$\sigma^1$ Eri	04 09 25	-06 58.0	4.05	F2 II-III	3	3	3	3	-
91	1311	5100	47Tau	04 11 13	09 08.3	4.83d	G5 III:	2	-	1	5	-
92	1320	5134	$\mu$ Tau	04 12 49	08 46.1	4.29	B3 V	3	2	2	2	-
93	1325	5138	$\sigma^2$ Eri	04 12 58	-07 43.8	4.44d	K0 V	3	2	2	5	-
94	1329	5172	$\omega$ Tau	04 14 20	20 27.4	4.96	A7 V	4	2	3	3	-
95	1346	5226	$\gamma$ Tau	04 16 57	15 30.5	3.64	K0 III	5	3	2	2	-
96	1373	5304	$\delta$ Tau	04 20 03	17 25.6	3.76	K0 III	4	1	1	4	-
97	1387	5350	$\kappa$ Tau	04 22 23	22 10.9	4.22	A7 V	2	-	1	1	-
98	1389	5354	68Tau	04 22 36	17 48.9	4.30d	A2 IV	5	3	2	3	-
99	1392	5370	$\nu$ Tau	04 23 19	22 42.1	4.29	A8 V	2	-	1	1	-
100*	1396	5383	$\pi$ Tau	04 23 47	14 36.1	4.70	G8 III	2	-	3	3	-
101*	1409	5430	$\epsilon$ Tau	04 25 42	19 04.3	3.54	K0 III	7	4	4	3	1
102*	1412	5436	$\theta^2$ Tau	04 25 48	15 45.7	3.41	A7 III	3	3	2	3	-
103	1430	5483	83Tau	04 27 48	13 37.0	5.41	F2 V	3	-	2	2	-
104	1444	5558	$\rho$ Tau	04 31 00	14 44.4	4.65	F0 V	3	3	3	4	-
105	1451	5576	47Eri	04 31 47	-08 20.1	5.10	M3 III:	3	-	5	5	-
106	1454	5609	ePer	04 33 13	41 09.8	4.23s	G8 II	3	-	3	4	-
107*	1457	5605	$\alpha$ Tau	04 33 03	16 24.6	0.86d	K5 III	8	5	4	5	3
108	1473	5645	$e^1$ Tau	04 35 22	12 24.7	4.27s	A3 V	4	3	3	4	-
109	1481	5657	53Eri	04 35 53	-14 24.0	3.86d	K2 III	2	-	3	3	-
110*	1520	5796	$\mu$ Eri	04 43 00	-03 20.7	4.02	B5 IV	4	2	1	3	-
111	1543	5875	$\pi^3$ Ori	04 47 07	06 52.5	3.18	F6 V	6	5	4	4	-
112	1551	5934	2Aur	04 49 17	36 37.2	4.76	K3 III	3	4	3	4	-
113	1577	6029	$\iota$ Aur	04 53 44	33 05.3	2.68	K3 II	5	3	2	2	-
114	1580	6025	$\sigma^2$ Ori	04 53 33	13 26.2	4.08	K2 III	4	5	4	3	-
115*	1592	6064	$\omega$ Aur	04 55 51	37 49.0	4.95d	A0 V	2	-	2	2	-
116	1601	6068	$\pi^6$ Ori	04 55 57	01 38.3	4.46	K2 II	2	-	3	3	-
117*	1641	6226	$\eta$ Aur	05 03 00	41 10.1	3.17	B3 V	5	2	3	2	1
118	1654	6231	$\epsilon$ Lep	05 03 21	-22 26.2	3.19	K5 III	3	-	1	1	-
119*	1666	6274	$\beta$ Eri	05 05 23	-05 09.0	2.77	A3 III	7	3	2	2	2
120	1676	6306	15Ori	05 06 50	15 32.1	4.81	F2 IV	2	-	1	1	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
121	1689	6375	$\mu$ Aur	05 10 00	38 25.6	4.86m	A7 V	3	2	2	3	-
122*	1708	6427	$\alpha$ Aur	05 13 00	45 57.0	0.06	G0 III	7	4	3	4	2
123*	1729	6494	$\lambda$ Aur	05 15 37	40 03.4	4.72	G0 V	5	3	3	4	2
124	1735	6480	$\tau$ Ori	05 15 11	-06 53.8	3.58	B5 III	4	4	3	2	-
125*	1790	6668	$\gamma$ Ori	05 22 27	06 18.4	1.64	B2 III	7	2	1	2	1
126*	1791	6681	$\beta$ Tau	05 23 08	28 34.0	1.65	B7 III	8	4	2	3	2
127*	1839	6813	AOri	05 28 06	05 54.7	4.20	B5 IV	3	1	1	2	-
128	1865	6875	$\alpha$ Lep	05 30 31	-17 51.4	2.57	F0 Ib	7	5	4	5	-
129*	1899	6937	$\iota$ Ori	05 32 59	-05 56.5	2.76	O9 III	4	4	5	3	-
130	1907	6972	$\varphi^2$ Ori	05 34 09	09 15.9	4.09p	G8 III	4	2	3	3	-
131	1934	7042	$\omega$ Ori	05 36 33	04 05.7	4.52	B3 III	2	5	4	5	-
132*	1948/9	7089	$\zeta$ Ori	05 38 14	-01 58.0	1.75d	O9Ib	9	4	5	3	2
133	1995	7277	$\tau$ Aur	05 45 42	39 10.0	4.51	G8 III	3	4	3	4	-
134	1998	7247	$\zeta$ Lep	05 44 41	-14 50.3	3.54	A3 V	6	3	2	3	-
135	2004	7264	$\kappa$ Ori	05 45 23	-09 41.1	2.08	B1 Ia	8	3	3	3	-
136	2011	7322	$\nu$ Aur	05 47 38	37 17.6	4.74	M1 III	2	-	5	5	-
137	2012	7334	$\nu$ Aur	05 48 01	39 08.2	3.98	K0 III	3	2	3	2	-
138	2035	7362	$\delta$ Lep	05 49 10	-20 52.9	3.78	G8 III	2	-	2	1	-
139*	2047	7419	$\chi^1$ Ori	05 51 25	20 16.1	4.40	G0 V	3	2	3	2	1
140	2077	7521	$\delta$ Aur	05 55 25	54 17.0	3.72	K0 III	3	-	2	1	-
141	2085	7492	$\eta$ Lep	05 54 08	-14 10.5	3.71	F0 IV	5	5	3	4	-
142	2091	7554	$\pi$ Aur	05 56 13	45 56.1	4.25	M3 II	3	-	4	3	-
143*	2124	7635	$\mu$ Ori	05 59 38	09 38.9	4.12d	F0 IV	4	4	3	3	2
144	2134	7676	1Gem	06 01 05	23 16.1	4.16s	G5 III	2	-	2	2	-
145	2282	8170	$\zeta$ CMA	06 18 24	-30 02.4	3.02s	B3 V	3	-	2	2	-
146	2286	8208	$\mu$ Gem	06 19 56	22 32.5	2.89d	M3 III	4	3	4	5	-
147*	2356	8412	$\beta$ Mon	06 26 24	-07 00.0	4.60	B3 V	3	4	5	4	-
148*	2421	8633	$\gamma$ Gem	06 34 49	16 26.6	1.93	A1 IV	8	4	4	3	2
149	2429	8624	$\nu^2$ CMA	06 34 30	-19 12.7	3.95	K1 III	5	3	3	4	-
150	2443	8660	$\nu^3$ CMA	06 35 41	-18 11.6	4.40	K1 II-III	2	-	5	5	-
151	2473	8786	$\epsilon$ Gem	06 40 51	25 11.0	2.99	G8 Ib	4	-	4	3	-
152*	2484	8823	$\xi$ Gem	06 42 29	12 57.1	3.35	F5 III	9	4	5	5	5
153*	2491	8833	$\alpha$ CMA	06 42 57	-16 38.8	-1.47	A1 V	7	2	1	2	3
154	2540	8989	$\theta$ Gem	06 49 30	34 01.4	3.60	A3 III	4	3	2	2	-
155	2618	9188	$\epsilon$ CMA	06 56 40	-28 54.2	1.50d	B1 II	2	-	4	4	-
156	2649	9303	-	07 00 52	11 01.6	5.12	K3 III	3	-	2	3	-
157	2693	9443	$\delta$ CMA	07 06 21	-26 18.7	1.85	F8 Ia	3	-	1	3	-
158	2697	9484	$\tau$ Gem	07 07 58	30 19.7	4.39d	K2 III	2	-	3	4	-
159*	2763	9701	$\lambda$ Gem	07 15 13	16 37.9	3.57d	A3 V	6	4	3	4	1
160	2827	9886	$\eta$ CMA	07 22 07	-29 12.3	2.44	B5 Ia	2	-	2	2	-



N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
161	2864	10024	6CMi	07 27 01	12 06.7	4.53	K2 III	5	2	2	2	-
162	2905	10167	$\nu$ Gem	07 32 51	27 00.5	4.06	M0 III	3	4	4	3	-
163*	2943	10277	$\alpha$ CMi	07 36 41	05 21.3	0.35d	F5 IV	8	3	4	3	3
164	2985	10403	$\kappa$ Gem	07 41 26	24 31.2	3.57d	G8 III	5	5	5	5	-
165*	2990	10438	$\beta$ Gem	07 42 16	28 08.9	1.14	K0 III	13	5	4	4	4
166*	3249	11254	$\beta$ Cnc	08 13 48	09 20.5	3.53	K4 III	4	5	4	5	3
167*	3323	11593	10UMa	08 26 08	60 53.2	3.35d	G5 III	7	4	5	5	4
168	3410	11823	$\delta$ Hya	08 35 01	05 52.7	4.12	A0 V	4	3	2	3	-
169	3418	11856	$\sigma$ Hya	08 36 09	03 31.1	4.44	K2 III	2	-	5	4	-
170*	3454	11987	$\eta$ Hya	08 40 37	03 34.8	4.28	B3 V	4	2	2	2	3
171	3461	12022	$\delta$ Cnc	08 41 51	18 20.4	3.93d	K0 III	2	-	3	2	-
172*	3482	12102	$\epsilon$ Hya	08 44 08	06 36.2	3.37	G0 III	9	5	5	5	1
173	3492	12148	$\rho$ Hya	08 45 47	06 01.4	4.35s	A0 V	4	3	2	2	-
174	3547	12327	$\zeta$ Hya	08 52 45	06 08.2	3.11	K0 III	5	4	2	3	-
175	3572	12406	$\alpha$ Cnc	08 55 45	12 03.1	4.24d	A5 IV	3	5	4	3	-
176*	3619	12604	fUMa	09 05 21	51 48.5	4.47m	F0 IV	3	3	4	3	1
177	3665	12743	$\theta$ Hya	09 11 46	02 31.6	3.88s	A0 V	5	3	3	3	-
178*	3690	12830	38Lyn	09 15 44	37 00.9	3.82	A3 V	2	2	3	1	-
179*	3705	12880	$\alpha$ Lyn	09 18 01	34 36.3	3.14	M0 III	7	5	5	5	1
180*	3731	12972	$\kappa$ Leo	09 21 45	26 23.9	4.46	K2 III	4	5	4	3	1
181*	3748	13044	$\alpha$ Hya	09 25 08	-08 26.4	1.99	K3 III	9	5	4	5	1
182	3759	13080	$\tau^1$ Hya	09 26 37	-02 33.0	4.59	F6 V	3	3	3	3	-
183	3771	13171	dUMa	09 30 06	70 03.1	4.55	G2 IV	3	2	2	2	-
184*	3773	13143	$\lambda$ Leo	09 28 52	23 11.4	4.31	K5 III	5	5	4	3	-
185	3775	13157	$\theta$ UMa	09 29 31	51 54.4	3.18	F6 IV	4	3	3	3	-
186*	3800	13203	10LMi	09 31 10	36 37.2	4.55	G8 III	3	2	3	5	-
187	3834	13316	-	09 35 51	04 52.6	4.67	K3 III	2	-	2	2	-
188	3845	13341	$\iota$ Hya	09 37 18	-00 54.9	3.88	K3 III	4	3	1	2	-
189*	3852	13366	oLeo	09 38 29	10 07.2	3.48	A5 V	3	4	3	1	-
190*	3873	13443	$\epsilon$ Leo	09 43 01	24 00.3	2.97	G0 II	9	3	4	4	3
191	3903	13570	$\nu^1$ Hya	09 49 04	-14 36.7	4.10	G8 III	4	3	3	3	-
192	3905	13590	$\mu$ Leo	09 49 55	26 14.6	3.89	K2 III	4	3	2	4	-
193	3950	13755	$\pi$ Leo	09 57 34	08 17.1	4.70	M2 III	5	5	4	4	-
194	3970	13861	$\nu^2$ Hya	10 02 41	-12 49.3	4.51s	B8 III	4	4	4	5	-
195*	3975	13899	$\eta$ Leo	10 04 37	17 00.4	3.53	A0 Ib	7	3	2	4	2
196	3980	13911	ALeo	10 05 15	10 14.6	4.37	K4 III	3	3	2	4	-
197*	3982	13926	$\alpha$ Leo	10 05 43	12 12.7	1.36	B7 V	9	4	3	2	3
198	3994	13982	$\lambda$ Hya	10 08 09	-12 06.4	3.61s	K0 III	6	4	4	5	-
199*	4031	14107	$\zeta$ Leo	10 13 55	23 40.0	3.44	F0 III	6	2	4	3	-
200*	4033	14113	$\lambda$ UMa	10 14 05	43 09.9	3.46	A2 IV	6	3	5	3	1

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
201*	4057	14177	$\gamma^1$ Leo	10 17 13	20 05.7	1.97	K0 III	5	5	5	5	-
202	4069	14232	$\mu$ UMa	10 19 21	41 45.1	3.03	M0 III	5	5	1	3	-
203	4090	14315	30LMi	10 23 03	34 03.1	4.73	F0 V	2	-	3	3	-
204	4100	14358	$\beta$ LMi	10 25 00	36 57.8	4.20	G8 III-IV	2	-	1	4	-
205*	4166	14624	37LMi	10 35 55	32 14.2	4.67	G2 II	4	3	4	5	-
206	4247	14961	46LMi	10 50 31	34 29.1	3.80	K0 III-IV	2	-	4	5	-
207*	4295	15145	$\beta$ UMa	10 58 50	56 39.0	2.38	A1 V	7	4	5	2	3
208	4299	15151	$p^2$ Leo	10 59 17	-02 12.9	4.74	K5 III	3	4	4	3	-
209	4300	15162	bLeo	10 59 40	20 26.9	4.41	A1 V	5	5	5	4	-
210	4301	15185	$\alpha$ UMa	11 00 40	62 01.3	1.79	K0 III	6	4	3	3	-
211	4310	15235	$\chi$ Leo	11 02 26	07 36.4	4.62	F2 III-IV	3	3	5	4	-
212*	4357	15438	$\delta$ Leo	11 11 27	20 47.9	2.56	A4 V	9	5	5	4	-
213*	4368	15511	$\varphi$ Leo	11 14 07	-03 22.7	4.46	A7 IV	4	4	3	3	-
214	4386	15600	$\sigma$ Leo	11 18 33	06 18.2	4.04	B9 V	4	2	2	2	-
215	4399	15652	$\iota$ Leo	11 21 19	10 48.3	3.94	F2 IV	4	3	4	2	-
216	4418	15729	$\tau$ Leo	11 25 22	03 07.9	4.95	G8 II-III	2	-	1	1	-
217	4434	15799	$\lambda$ Dra	11 28 27	69 36.4	3.83	M0 III	3	5	4	3	-
218	4471	15927	$\nu$ Leo	11 34 23	-00 32.8	4.30	G9 III	3	4	4	3	-
219	4483	15971	$\omega$ Vir	11 35 53	08 24.7	5.34	M5 V:	3	-	3	2	-
220	4517	16135	$\nu$ Vir	11 43 17	06 48.6	4.02	M1 III	5	2	2	2	-
221	4518	16137	$\chi$ UMa	11 43 25	48 03.4	3.70	K0 III	3	1	1	3	-
222	4527	16173	93Leo	11 45 24	20 29.8	4.54s	G5 III-IV	4	2	2	2	-
223*	4534	16189	$\beta$ Leo	11 46 31	14 51.1	2.13	A3 V	7	1	1	1	-
224*	4540	16215	$\beta$ Vir	11 48 05	02 02.8	3.61	F8 V	10	5	5	5	1
225*	4554	16268	$\gamma$ UMa	11 51 13	53 58.4	2.43p	A0 V	7	2	2	2	1
226	4608	16512	oVir	12 02 40	09 00.6	4.14	G8 III	3	-	4	4	-
227	4660	16736	$\delta$ UMa	12 12 58	57 18.6	3.30	A3 V	5	2	1	1	-
228*	4662	16740	$\gamma$ Crv	12 13 14	-17 15.9	2.59	B8 III	5	4	4	3	-
229*	4689	16813	$\eta$ Vir	12 17 21	-00 23.3	3.88s	A2 V	7	5	5	5	-
230	4737	16964	$\gamma$ Com	12 24 27	28 32.8	4.35	K1 III-IV	5	4	4	5	4
231	4757	17029	$\delta$ Crv	12 27 16	-16 14.2	2.95d	B9 V	5	5	5	4	-
232*	4785	17127	$\beta$ CVn	12 31 22	41 37.7	4.26	G0 V	5	5	5	5	1
233	4825/6	17270	$\gamma$ Vir	12 39 07	-01 10.5	2.75d	F0 V	6	5	5	5	-
234	4883	17455	31Com	12 49 16	27 48.7	4.94	G0 III	3	5	3	4	-
235	4902	17516	$\psi$ Vir	12 51 45	-09 16.1	4.80	M3 III	4	3	3	4	-
236	4920	17616	36Com	12 56 27	17 40.7	4.78	M0 III	2	-	5	5	-
237	4924	17647	37Com	12 57 53	31 03.2	4.89d	G9 II-III	3	2	3	3	-
238	4932	17687	$\epsilon$ Vir	12 59 41	11 13.6	2.83	G9 III	5	4	5	3	-
239	4954	17787	41 Com	13 04 47	27 53.5	4.80	K5 III	2	-	3	3	-
240	4983	17874	$\beta$ Com	13 09 32	28 07.9	4.26	G0 V	4	5	2	3	4

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
241*	5054/5	18133/4	$\zeta$ UMa	13 21 55	55 11.1	2.27	A2 V	5	4	5	5	-
242*	5062	18155	gUMa	13 23 13	55 14.9	4.00s	A5 V	4	3	3	3	-
243*	5107	18351	$\zeta$ Vir	13 32 09	-00 20.5	3.37	A3 V	4	4	3	3	-
244*	5112	18356	24CVn	13 32 25	49 16.3	4.66v	A4 V	4	-	2	2	-
245	5127	18421	25CVn	13 35 14	36 32.9	4.83d	A7 III	4	3	3	2	-
246	5154	18504	83UMa	13 38 51	54 56.0	4.66	M2 III	5	5	4	5	-
247	5185	18637	$\tau$ Boo	13 44 53	17 42.3	4.50d	F7 V	4	3	5	4	-
248	5200	18674	$\nu$ Boo	13 47 04	16 02.7	4.06	K5 III	2	-	4	4	-
249*	5235	18805	$\eta$ Boo	13 52 18	18 38.8	2.67s	G0 IV	7	4	5	3	3
250*	5291	19019	$\alpha$ Dra	14 03 02	64 36.8	3.65s	A0 III	6	2	2	2	-
251	5300	19095	13Boo	14 06 25	49 41.6	5.24	M3 III	2	-	4	3	-
252	5315	19168	$\kappa$ Vir	14 10 13	-10 02.5	4.18	K3 III	3	5	2	4	-
253	5338	19244	$\iota$ Vir	14 13 23	-05 45.8	4.08	F6 III	5	5	5	5	-
254*	5340	19242	$\alpha$ Boo	14 13 23	19 26.5	-0.05p	K2 III	8	5	4	4	-
255	5361	19296	ABoo	14 15 53	35 44.4	4.80s	K1 III	2	-	3	1	-
256	5370	19334	20Boo	14 17 23	16 32.1	4.85	K3 III	3	-	2	2	-
257*	5404	19467	$\theta$ Boo	14 23 30	52 04.9	4.06	F7 V	6	4	5	4	-
258	5429	19597	$\rho$ Boo	14 29 40	30 35.4	3.57	K3 III	3	3	2	3	-
259	5430	19548	5UMi	14 27 36	75 55.1	4.26	K4 III	3	5	5	5	-
260*	5477/8	19777/8	$\zeta$ Boo	14 38 46	13 56.5	3.78d	A2 III	5	5	4	3	-
261	5487	19816	$\mu$ Vir	14 40 25	-05 26.5	3.87	F3 IV	5	5	5	5	-
262	5502	19858	oBoo	14 42 54	17 10.5	4.60	K0 III	4	4	3	4	-
263	5505/6	19856	$\epsilon$ Boo	14 42 48	27 17.0	2.37d	K0 II-III	5	4	4	4	-
264	5511	19884	109Vir	14 43 43	02 06.1	3.74	A0 V	7	5	5	4	-
265*	5531	19975	$\alpha^2$ Lib	14 48 06	-15 50.1	2.75	A3 V	5	5	5	4	-
266*	5544	19991	$\xi$ Boo	14 49 05	19 18.4	4.59d	G8 V	6	5	5	5	-
267*	5563	20029	$\beta$ UMi	14 50 50	74 21.6	2.08	K4 III	8	5	4	4	1
268	5590	20202	-	14 58 44	-02 33.5	5.51	M1 Ib	3	-	4	4	-
269*	5600	20224	$\omega$ Boo	14 59 55	25 12.3	4.80	K4 III	3	4	4	5	-
270	5601	20237	110Vir	15 00 22	02 17.2	4.40	K0 III	2	-	3	2	-
271	5602	20226	$\beta$ Boo	15 00 04	40 35.2	3.49	G8 III	6	3	4	4	-
272	5616	20285	$\psi$ Boo	15 02 18	27 08.5	4.52	K2 III	3	5	4	3	-
273*	5681	20523	$\delta$ Boo	15 13 29	33 30.0	3.48	G8 III	7	2	3	4	1
274*	5685	20539	$\beta$ Lib	15 14 19	-09 12.0	2.61	B8 V	6	3	3	3	-
275*	5727/8	20696	$\eta$ CrB	15 21 08	30 28.0	4.97d	G2 V	5	4	4	3	-
276	5733	20724	$\mu$ Boo	15 22 36	37 33.1	4.30d	F0 V	2	-	2	2	-
277	5739	20740	$\tau^1$ Ser	15 23 28	15 36.1	5.17	M1 III	4	5	3	4	-
278	5741	20761	-	15 24 20	34 30.5	5.44	K4 III	2	-	2	3	-
279	5763	20866	$\nu^1$ Boo	15 29 08	41 00.1	5.03	K5 III	2	-	4	4	-
280*	5774	20883	$\nu^2$ Boo	15 29 59	41 04.1	4.99d	A5 V	2	-	1	1	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
281	5777	20914	37Lib	15 31 26	-09 53.7	4.61	K1 III	2	-	3	2	-
282*	5778	20908	$\theta$ CrB	15 30 55	31 31.6	4.16p	B7 II	5	4	3	4	-
283	5787	20949	$\gamma$ Lib	15 32 43	-14 37.5	3.90	G8 III-IV	2	-	2	2	-
284	5800	20964	$\mu$ CrB	15 33 25	39 10.5	5.22	M2 III	4	4	1	4	-
285	5826	20952	$\theta$ UMi	15 32 51	77 31.0	5.14	K5 III	2	-	5	5	-
286*	5854	21158	$\alpha$ Ser	15 41 48	06 34.9	2.64	K2 III	7	4	3	3	2
287*	5867	21194	$\beta$ Ser	15 43 53	15 34.6	3.67	A2 IV	6	5	5	5	-
288	5868	21201	$\lambda$ Ser	15 44 01	07 30.5	4.43	G0 V	6	4	4	5	-
289*	5879	21255	$\kappa$ Ser	15 46 29	18 17.7	4.10	M1 III	4	-	3	3	-
290*	5881	21269	$\mu$ Ser	15 47 00	-03 16.7	3.54	A0 V	7	5	5	3	-
291	5889	21276	$\delta$ CrB	15 47 30	26 13.2	4.62	G5 III-IV	6	5	5	5	-
292*	5892	21288	$\epsilon$ Ser	15 48 19	04 37.6	3.71m	A5 IV	3	3	2	3	-
293*	5899	21311	$\rho$ Ser	15 49 04	21 07.6	4.75	K5 III	4	5	5	5	-
294	5901	21319	$\kappa$ CrB	15 49 21	35 48.7	4.81	K0 III-IV	2	-	3	3	-
295*	5903	21243	$\zeta$ UMi	15 45 48	77 56.9	4.30	A3 V	4	3	3	2	-
296	5932	21382	2Her	15 52 58	43 17.0	5.35	M3 III	2	-	3	4	-
297*	5933	21408	$\gamma$ Ser	15 54 08	15 49.4	3.82	F6 V	4	3	5	4	-
298*	5944	21447	$\pi$ Sco	15 55 49	-25 58.3	2.90s	B1 V	3	-	1	1	-
299	5947	21440	$\epsilon$ CrB	15 55 31	27 01.3	4.15d	K3 III	2	-	2	2	-
300	5953	21489	$\delta$ Sco	15 57 22	-22 28.9	2.30	B0 V	2	-	3	3	-
301*	5968	21527	$\rho$ CrB	15 59 08	33 27.2	5.41	G2 V	3	5	1	2	-
302*	5971	21534	$\sigma$ CrB	15 59 26	29 59.4	4.99d	A0 III	5	5	4	4	1
303	5984	21609/10	$\beta^1$ Sco	16 02 32	-19 40.2	2.55s	B0 V	2	-	3	2	-
304	5993	21639	$\omega^1$ Sco	16 03 53	-20 32.1	3.97	B1 V	2	-	3	2	-
305	6018	21733	$\tau$ CrB	16 07 08	36 37.0	4.79d	K0 III	3	5	5	3	-
306*	6023	21736	$\varphi$ Her	16 07 11	45 03.9	4.25p	B9 II	4	3	5	5	-
307	6056	21838	$\delta$ Oph	16 11 43	-03 34.0	2.73	M1 III	5	3	3	3	-
308	6075	21920	$\epsilon$ Oph	16 15 40	-04 34.3	3.23	G8 III	6	4	4	5	-
309*	6092	21987	$\tau$ Her	16 18 14	46 25.9	3.89d	B5 IV	6	5	4	5	-
310*	6095	22012	$\gamma$ Her	16 19 43	19 16.1	3.76	A9 III	5	4	3	4	-
311	6103	22020	$\xi$ CrB	16 20 09	31 00.4	4.85	K0 III	4	5	5	5	-
312	6107	22026	$\nu^1$ CrB	16 20 28	33 54.9	5.32	M2 III:	2	-	5	4	-
313	6108	22029	$\nu^2$ CrB	16 20 36	33 49.1	5.39	K5 III	2	-	4	4	-
314*	6132	22101	$\eta$ Dra	16 23 18	61 37.1	2.73d	G8 III	9	5	4	3	4
315*	6148	22193	$\beta$ Her	16 28 04	21 35.8	2.78s	G8 III	10	5	5	4	-
316*	6149	22203	$\lambda$ Oph	16 28 23	02 05.5	3.81d	A1 V	6	5	5	5	-
317	6159	22250	hHer	16 30 16	11 35.6	4.84	K5 III	2	-	2	2	-
318	6165	22303	$\tau$ Sco	16 32 46	-28 06.8	2.83	B0 V	2	-	1	1	-
319	6168	22296	$\sigma$ Her	16 32 29	42 32.3	4.20	B9 V	4	4	3	3	-
320	6200	22412	42Her	16 37 23	49 01.5	4.90	M2 III:	3	-	4	3	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
321*	6212	22464	$\zeta$ Her	16 39 24	31 41.5	2.81d	G0 IV	11	5	5	5	3
322	6228	22560	iHer	16 43 26	08 40.3	5.14	K5 III	2	-	2	2	-
323	6270	22708	51Her	16 49 41	24 44.3	5.04	K2 II-III	2	-	4	4	-
324*	6281	22775	$\iota$ Oph	16 51 38	10 14.8	4.37s	B8 IV	4	3	3	4	-
325	6318	22937	30Oph	16 58 25	-04 09.0	4.82	K4 III	2	-	2	3	-
326*	6324	22935	$\varepsilon$ Oph	16 58 22	30 59.9	3.91s	B9 III	7	5	5	4	5
327	6337	23002	-	17 00 50	14 09.7	4.98	M3 III	3	5	5	5	-
328*	6378	23158	$\eta$ Oph	17 07 30	-15 39.9	2.43d	A2 V	8	5	4	5	-
329*	6396	23182	$\zeta$ Dra	17 08 38	65 46.6	3.18	B6 III	6	4	5	3	3
330*	6410	23294	$\delta$ Her	17 12 59	24 53.8	3.14s	A3 IV	6	5	4	3	3
331*	6418	23302	$\pi$ Her	17 13 18	36 51.8	3.16	K3 II	5	3	2	3	-
332*	6484/5	23543/4	$\rho$ Her	17 21 57	37 11.5	4.16	A0 IV	3	3	3	5	-
333	6526	23726	$\lambda$ Her	17 28 43	26 08.8	4.40	K4 III	2	-	5	4	-
334*	6536	23741	$\beta$ Dra	17 29 18	52 20.2	2.80d	G2 II	10	5	5	5	3
335*	6556	23837	$\alpha$ Oph	17 32 37	12 35.7	2.07	A5 III	10	3	4	3	-
336*	6561	23881	$\xi$ Ser	17 34 43	-15 22.1	3.54s	F0 IV	4	5	4	3	-
337*	6588	23965	$\iota$ Her	17 38 03	46 01.9	3.80	B3 IV	4	4	5	5	-
338*	6603	24048	$\beta$ Oph	17 41 00	04 35.2	2.77	K2 III	9	5	4	3	5
339*	6623	24138	$\mu$ Her	17 44 30	27 44.9	3.41d	G5 IV	7	5	5	5	4
340*	6629	24162	$\gamma$ Oph	17 45 23	02 43.5	3.73	A0 V	8	5	5	5	4
341	6695	24415	$\theta$ Her	17 54 32	37 15.3	3.85	K1 III	3	1	1	4	-
342*	6698	24468	$\nu$ Oph	17 56 16	-09 46.1	3.34	K0 III	6	5	5	5	-
343*	6703	24448	$\xi$ Her	17 55 49	29 15.1	3.70	K0 III	5	3	4	4	1
344	6705	24432	$\gamma$ Dra	17 55 27	51 29.6	2.23	K5 III	4	3	2	3	-
345	6714	24509	67Oph	17 58 08	02 55.9	3.96d	B0 III	2	-	1	3	-
346	6723	24534	68Oph	17 59 13	01 18.3	4.44d	A1 V	2	-	1	2	-
347	6752	24641	$\rho$ Oph	18 02 56	02 30.6	4.03d	K0 V	4	5	5	5	-
348	6770	24693	71Oph	18 04 55	08 43.6	4.64	G8 III-IV	2	-	4	2	-
349*	6771	24695	72Oph	18 04 59	09 33.3	3.73s	A4 V	6	5	5	5	-
350	6787	24740	102Her	18 06 37	20 48.3	4.36	B2 V	3	3	3	5	-
351*	6789	24236	$\delta$ UMi	17 48 18	86 36.6	4.35	A1 V	4	4	3	3	-
352	6860	25003	105Her	18 17 07	24 25.4	5.27s	K4 II	2	-	5	5	5
353	6868	25033	106Her	18 18 11	21 56.3	4.94s	M0 III	6	5	5	5	-
354*	6869	25046	$\eta$ Ser	18 18 43	-02 54.8	3.26	K0 III-IV	5	5	5	5	-
355*	6872	25032	$\kappa$ Lyr	18 18 06	36 02.4	4.32	K2 III	3	-	5	5	1
356*	6891	25085	-	18 20 16	49 05.7	5.05	M2 II:	5	3	4	4	-
357	6895	25116	109Her	18 21 34	21 44.7	3.84	K2 III	2	-	4	3	-
358	6913	25180	$\lambda$ Sgr	18 24 53	-25 27.1	2.84	K2 III	2	-	2	2	-
359	6927	25122	$\chi$ Dra	18 21 57	72 42.7	3.56s	F7 V	6	5	5	4	2
360	6973	25385	$\alpha$ Sct	18 32 29	-08 16.8	3.85	K3 III	4	2	2	5	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
361	7051/2	25667/6	$\epsilon^1$ Lyr	18 42 41	39 37.1	4.66d	A5 V:	4	4	3	5	-
362	7053/4	25668	$\epsilon^2$ Lyr	18 42 43	39 33.6	4.60d	A5 V:	3	3	3	5	-
363*	7056	25676	$\zeta^1$ Lyr	18 43 03	37 33.1	4.35	A5 V	3	3	3	5	-
364	7059	25713	5Aql	18 43 54	-01 00.9	5.68	A5 V:	2	-	5	5	-
365	7061	25698	110Her	18 43 30	20 29.8	4.19	F6 V	3	-	5	4	-
366	7063	25730	6Aql	18 44 31	-04 48.2	4.22s	G5 II	2	-	5	5	-
367*	7064	25721	-	18 44 03	26 36.4	4.81	K3 III	3	-	5	1	-
368	7069	25734	111Her	18 44 49	18 07.5	4.35	A3 V	4	3	3	3	-
369*	7121	25941	$\sigma$ Sgr	18 52 10	-26 21.6	2.06	B4 IV	4	1	1	2	3
370	7133	25954	113Her	18 52 38	22 34.8	4.88s	G4 III	3	3	3	2	-
371	7149	26013	9Aql	18 54 23	-05 54.8	4.82	K2 III	2	-	4	4	-
372	7150	26019	$\xi^2$ Sgr	18 54 45	-21 10.4	3.51	K1 III	2	-	2	4	-
373	7176	26091	$\epsilon$ Aql	18 57 21	14 59.9	4.02	K2 III	4	5	3	3	-
374	7178	26086	$\gamma$ Lyr	18 57 04	32 37.2	3.25	B9 III	5	5	5	5	-
375	7192	26115	$\lambda$ Lyr	18 58 08	32 04.5	4.93	K3 II	2	-	4	3	-
376	7193	26141	iAql	18 59 01	-05 48.7	4.02	K1 III	3	3	2	3	-
377	7194	26161	$\zeta$ Sgr	18 59 26	-29 57.2	2.60	A2 IV	2	-	2	2	-
378	7234	26291	$\tau$ Sgr	19 03 49	-27 44.7	3.32s	K1 III	2	-	4	4	-
379	7235	26270	$\zeta$ Aql	19 03 07	13 47.2	2.99d	B9 V	4	5	3	3	-
380*	7236	26285	$\lambda$ Aql	19 03 36	-04 57.5	3.44	B8 V	7	3	3	4	5
381	7310	26520	$\delta$ Dra	19 12 33	67 34.4	3.07	G9 III	7	3	3	5	3
382*	7314	26585	$\theta$ Lyr	19 14 38	38 02.6	4.35	K0 II	6	5	4	5	-
383	7328	26621	$\kappa$ Cyg	19 15 57	53 16.5	3.77	K0 III	5	5	5	5	-
384	7340	26694	$\rho^1$ Sgr	19 18 46	-17 56.6	3.93	F0 IV	2	-	4	3	-
385	7352	26638	$\tau$ Dra	19 16 31	73 15.8	4.46s	K3 III	2	-	4	5	-
386*	7377	26816	$\delta$ Aql	19 22 59	03 00.8	3.36s	F0 IV-V	8	4	4	4	-
387*	7385	26821	4Vul	19 23 17	19 41.9	5.14d	K0 III	4	2	2	4	-
388	7387	26838	$\nu$ Aql	19 23 58	00 14.2	4.66	F2 Ib	4	4	4	5	5
389	7405	26904	$\alpha$ Vul	19 26 37	24 33.7	4.42	M0 III	5	3	3	4	-
390	7417	26953	$\beta$ Cyg	19 28 42	27 51.2	3.08	K3 II	6	5	5	4	-
391	7420	26947	$\iota$ Cyg	19 28 27	51 37.3	3.79	A5 V	6	5	4	4	-
392	7426	26988	8Cyg	19 29 55	34 20.7	4.73	B3 IV	3	2	2	3	-
393	7429	27030	$\mu$ Aql	19 31 39	07 16.3	4.44	K3 III	3	4	5	5	-
394	7437	27047	9Vul	19 32 23	19 39.8	5.00d	B7 V	3	2	2	3	-
395	7446	27107	$\kappa$ Aql	19 34 12	-07 08.6	4.95	B0 III	3	-	3	1	1
396	7447	27103	$\iota$ Aql	19 34 08	-01 23.9	4.36d	B5 III	2	-	2	2	-
397*	7468	27140	-	19 35 04	44 35.0	5.17	K0 III	3	-	5	5	-
398	7478	27203	$\varphi$ Cyg	19 37 24	30 02.2	4.66s	G8 III-IV	4	3	3	4	-
399*	7479	27215	$\alpha$ Sge	19 37 52	17 53.8	4.36d	G0 II	5	3	4	5	-
400	7488	27236	$\beta$ Sge	19 38 48	17 21.5	4.37	G8 II	4	4	4	4	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
401	7497	27272	$\chi$ Aql	19 40 13	11 42.4	5.22	F3 V:	2	-	3	3	-
402	7506	27305	10Vul	19 41 38	25 39.1	5.48	G8 III	4	4	3	3	-
403	7517	27328	15Cyg	19 42 28	37 13.9	4.90	G8 III	2	-	3	3	-
404*	7525	27354	$\gamma$ Aql	19 43 53	10 29.4	2.71	K3 II	7	5	5	5	5
405*	7528	27347	$\delta$ Cyg	19 43 25	45 00.5	2.87d	B9 III	8	5	5	4	4
406	7534	27369	17Cyg	19 44 32	33 36.6	4.98d	F5 V	2	-	3	2	-
407*	7557	27470	$\alpha$ Aql	19 48 21	08 44.1	0.75	A7 IV-V	9	2	3	1	2
408*	7560	27480	$\circ$ Aql	19 48 38	10 17.3	5.13	F8 V	6	5	5	5	3
409	7576	27506	dCyg	19 49 22	52 51.6	5.03	K3 III	4	5	4	5	5
410	7582	27471	$\epsilon$ Dra	19 48 21	70 08.4	3.83d	G8 III	4	4	3	4	-
411	7595	27558	$\xi$ Aql	19 51 49	08 19.8	4.70	K0 III	4	2	5	3	5
412	7602	27587	$\beta$ Aql	19 52 51	06 16.8	3.71d	G8 IV	4	3	3	4	-
413	7613	27613	22Cyg	19 54 04	38 21.2	4.94	B6 III	2	-	3	3	-
414*	7615	27622	$\eta$ Cyg	19 54 26	34 57.0	3.90d	K0 III	6	4	3	3	3
415*	7635	27672	$\gamma$ Sge	19 56 32	19 21.3	3.48	K5 III	7	5	4	5	2
416	7653	27753	15Vul	19 59 02	27 36.8	4.63	A5 V	4	-	3	4	-
417*	7660	27770	eCyg	19 59 57	49 57.9	5.06d	K1 Ib	3	-	4	5	-
418	7679	27868	$\eta$ Sge	20 02 56	19 50.8	5.09	K2 III	3	5	5	5	5
419	7685	27856	$\rho$ Dra	20 02 36	67 43.8	4.51	K3 III	2	-	3	4	-
420*	7710	28010	$\theta$ Aql	20 08 43	-00 58.3	3.24s	B9 III	8	4	3	4	3
421	7744	28152	23Vul	20 13 42	27 39.6	4.52	K3 III	2	4	4	5	-
422	7747	28189	$\alpha^1$ Cap	20 14 53	-12 39.8	4.24d	G3 Ib	3	4	5	5	-
423	7750	28066	$\kappa$ Cep	20 10 37	77 33.7	4.37d	B9 III	2	-	5	4	-
424	7754	28200	$\alpha^2$ Cap	20 15 17	-12 42.1	3.56d	G9 III	4	5	5	5	-
425	7776	28295	$\beta$ Cap	20 18 12	-14 56.4	3.08s	F8 V	5	5	3	4	-
426*	7796	28338	$\gamma$ Cyg	20 20 26	40 05.7	2.21	F8 Ib	10	5	5	5	3
427	7806	28378	39Cyg	20 21 52	32 01.7	4.42	K3 III	2	-	4	4	-
428	7850	28541	$\theta$ Cep	20 28 45	62 49.5	4.21s	A5 V:	4	3	3	4	-
429	7851	28569	$\omega^2$ Cyg	20 29 46	49 03.0	5.42	M2 III	2	-	5	5	-
430*	7852	28593	$\epsilon$ Del	20 30 49	11 07.9	4.04	B5 V	6	4	3	4	5
431	7866	28630	47Cyg	20 31 57	35 04.7	4.60	K2 Ib	5	4	3	3	-
432	7871	28659	$\zeta$ Del	20 32 58	14 30.0	4.66	A3 V	3	-	2	1	-
433*	7882	28709	$\beta$ Del	20 35 12	14 25.2	3.58d	F5 III	9	5	5	5	-
434	7884	28725	71Aql	20 35 45	-01 16.9	4.31s	G8 III	2	-	2	3	-
435	7896	28756	$\kappa$ Del	20 36 42	09 54.5	5.06	G5 IV	2	-	5	4	-
436	7906	28780	$\alpha$ Del	20 37 19	15 44.1	3.76	B8 V	6	2	3	3	3
437	7928	28873	$\delta$ Del	20 41 07	14 53.6	4.42	A7 III	3	-	3	3	-
438	7939	28920	30Vul	20 42 43	25 05.4	4.91s	K2 III	3	3	2	3	-
439	7942	28942	52Cyg	20 43 36	30 32.2	4.20d	K0 III	4	3	4	3	-
440*	7949	28959	$\epsilon$ Cyg	20 44 11	33 46.9	2.46d	K0 III	9	5	4	5	2

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
441	7950	28978	$\epsilon$ Aqr	20 44 58	-09 40.8	3.77	A1 V	5	5	5	4	-
442	7951	28979	kAqr	20 45 06	-05 12.7	4.42	M3 III	2	5	5	5	-
443	7963	28994	$\lambda$ Cyg	20 45 27	36 18.3	4.52d	B5 V	3	3	3	5	-
444*	7984	29066	56Cyg	20 48 18	43 52.2	5.05	A7 V	4	5	3	4	1
445	7990	29109	$\mu$ Aqr	20 49 57	-09 10.3	4.72	F2 IV	4	5	5	4	-
446	8001	29150	57Cyg	20 51 28	44 11.8	4.78s	B5 V	6	3	3	4	3
447	8008	29178	32Vul	20 52 26	27 52.0	5.00	K4 III	2	-	5	5	-
448	8011	29201	17Del	20 53 15	13 31.8	5.16	K0 III	2	-	3	1	-
449*	8028	29251	$\nu$ Cyg	20 55 18	40 58.4	3.93	A0 V	9	5	4	2	5
450	8047	29327	f <sup>1</sup> Cyg	20 58 07	47 19.5	4.75d	B1 IV:	2	-	5	5	-
451	8075	29460	$\theta$ Cap	21 03 08	-17 26.0	4.06	A0 V	3	-	3	2	-
452	8089	29519	f <sup>2</sup> Cyg	21 04 53	47 26.8	4.53	K4 II	4	5	4	4	-
453	8093	29571	$\nu$ Aqr	21 06 52	-11 34.5	4.51	G8 III	2	-	1	5	-
454	8097	29591	$\gamma$ Equ	21 07 55	09 55.7	4.68d	F0 I	3	3	4	4	-
455	8115	29661	$\zeta$ Cyg	21 10 48	30 01.2	3.19	G8 II	7	5	5	5	-
456	8123	29697	$\delta$ Equ	21 12 03	09 48.2	4.48	F8 V	3	5	5	5	-
457	8131	29735	$\alpha$ Equ	21 13 19	05 02.4	3.95	G0 III	4	2	2	3	-
458	8143	29786	$\sigma$ Cyg	21 15 27	39 11.0	4.23s	B9 Ia:	5	3	3	4	1
459*	8162	29848	$\alpha$ Cep	21 17 23	62 22.4	2.43	A7 IV-V	10	4	3	3	3
460	8167	29903	$\iota$ Cap	21 19 28	-17 02.9	4.28	G8 III	3	3	3	4	3
461	8173	29914	1Peg	21 19 46	19 35.4	4.09d	K1 III	3	2	2	3	-
462	8225	30109	2Peg	21 27 41	23 25.1	4.55	M1 III	4	5	5	5	-
463	8228	30108	gCyg	21 27 36	46 19.2	5.23	K0 III	2	-	4	4	-
464*	8232	30137	$\beta$ Aqr	21 28 56	-05 47.5	2.88	G0 Ib	12	3	4	3	5
465	8255	30219	72Cyg	21 32 44	38 18.5	4.88	K1 III	5	5	3	3	4
466	8278	30320	$\gamma$ Cap	21 37 19	-16 53.3	3.66m	F2 III	5	5	4	4	-
467	8284	30338	75Cyg	21 38 13	43 02.8	5.10d	M1 III	3	-	4	5	-
468	8288	30382	$\kappa$ Cap	21 39 52	-19 05.7	4.72	G8 III	2	-	3	4	-
469	8301	30391	$\pi^1$ Cyg	21 40 19	50 57.6	4.66s	B3 V	3	3	2	3	-
470*	8308	30431	$\epsilon$ Peg	21 41 44	09 38.7	2.40	K2 Ib	2	-	3	3	-
471	8309/10	30437/8	$\mu$ Cyg	21 41 54	28 31.0	4.50d	F3 V:	4	5	5	5	-
472	8315	30450	$\kappa$ Peg	21 42 23	25 24.9	4.14s	F5 IV	3	3	5	5	-
473	8317	30415	11Cep	21 41 12	71 04.8	4.55	K0 III	4	4	3	4	-
474	8321	30479	12Peg	21 43 46	22 43.0	5.29	K0 Ib	3	5	3	5	-
475	8334	30483	$\nu$ Cep	21 44 00	60 53.4	4.28	A2 Ia	3	1	1	4	-
476	8335	30512	$\pi^2$ Cyg	21 44 57	49 04.6	4.23s	B3 III	6	4	4	5	4
477	8339	30526	12Cep	21 45 57	60 27.6	5.44	M1 III:	2	-	4	4	-
478	8343	30565	14Peg	21 47 38	29 56.4	5.06s	A0 V	3	2	2	4	-
479*	8410	30872	32Aqr	22 02 13	-01 08.9	5.29s	A7 IV	3	-	1	1	-
480	8413	30894	$\nu$ Peg	22 03 09	04 48.8	4.84s	K4 III	4	5	3	4	-



N.	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
481*	8414	30896	$\alpha$ Aqr	22 03 13	-00 33.8	2.93	G2 Ib	11	5	5	5	4
482	8416	30880	18Cep	22 02 23	62 52.6	5.28	M5 III	2	-	5	5	-
483*	8417	30877	$\xi$ Cep	22 02 20	64 23.0	4.28	F5 V	4	5	5	5	-
484	8430	30932	$\iota$ Peg	22 04 41	25 06.0	3.76s	F5 V	7	5	5	5	4
485	8450	31013	$\theta$ Peg	22 07 41	05 57.1	3.52	A2 IV	6	3	3	4	-
486	8454	31016	$\pi$ Peg	22 07 46	32 55.9	4.30	F5 II	3	3	4	5	-
487*	8465	31044	$\zeta$ Cep	22 09 07	57 57.2	3.36	K1 Ib	6	3	3	4	4
488*	8485	31104	-	22 11 44	39 28.0	4.49s	K3 III	5	3	3	4	-
489*	8494	31135	$\varepsilon$ Cep	22 13 11	56 47.6	4.20	G0 IV	6	5	4	5	-
490*	8498	31143	1Lac	22 13 47	37 29.9	4.13	K3 II	3	-	4	4	-
491	8499	31152	$\theta$ Aqr	22 14 12	-08 02.0	4.16	G8 III	2	-	3	3	-
492	8518	31257	$\gamma$ Aqr	22 19 04	-01 38.4	3.84s	A0 IV	7	4	3	3	-
493	8522	31253	32Peg	22 19 01	28 04.7	4.79	B8 V	5	3	4	3	1
494	8523	31252	2Lac	22 18 57	46 17.0	4.57s	B6 IV	5	4	3	4	1
495	8538	31310	$\beta$ Lac	22 21 35	51 58.7	4.42	G9 III	3	-	4	5	-
496	8539	31328	$\pi$ Aqr	22 22 43	01 07.4	4.66	B0 V	2	-	3	3	-
497	8541	31326	4Lac	22 22 29	49 13.3	4.56	B2 III	5	4	4	5	1
498	8551	31377	35Peg	22 25 20	04 26.6	4.79	K0 III	3	5	5	5	-
499*	8558/9	31398/9	$\zeta$ Aqr	22 26 15	-00 16.6	3.65d	F2 IV	6	4	5	4	-
500*	8572	31426	5Lac	22 27 26	47 27.0	4.36s	M0 Ib	5	5	4	4	-
501	8579	31449	6Lac	22 28 19	42 52.0	4.49	B2 IV	3	3	3	4	-
502	8585	31471	$\alpha$ Lac	22 29 14	50 01.5	3.75	A0 V	7	5	3	2	5
503	8597	31534	$\eta$ Aqr	22 32 47	-00 22.5	4.03	B8 V	5	3	1	2	1
504	8613	31586	9Lac	22 35 19	51 17.2	4.63s	A7 IV	3	-	1	1	-
505	8622	31626	10Lac	22 37 01	38 47.4	4.87	O9 V	4	2	2	2	-
506	8634	31664	$\zeta$ Peg	22 38 58	10 34.2	3.39	B8 V	7	4	4	4	3
507	8641	31674	$\omicron$ Peg	22 39 24	29 02.8	4.81	A1 V	3	1	1	4	-
508	8650	31706	$\eta$ Peg	22 40 39	29 57.5	2.96s	G2 II-III	7	3	2	4	1
509	8656	31732	13Lac	22 41 51	41 33.4	5.08	K0 III	3	2	2	2	5
510	8665	31778	$\xi$ Peg	22 44 12	11 54.9	4.20d	F6 IV	4	2	2	2	-
511	8667	31776	$\lambda$ Peg	22 44 07	23 18.1	3.95	G8 II-III	3	2	2	3	-
512	8679	31836	$\tau^2$ Aqr	22 46 57	-13 51.4	4.01	M0 III	2	-	4	4	-
513*	8684	31851	$\mu$ Peg	22 47 35	24 20.2	3.48	K0 III	10	3	3	5	4
514	8694	31857	$\iota$ Cep	22 47 54	65 56.2	3.50	K1 III	7	4	4	5	3
515	8699	31896	15Lac	22 49 46	43 02.8	4.94	M0 II:	3	4	5	5	-
516	8709	31943	$\delta$ Aqr	22 52 00	-16 05.2	3.27	A2 III	5	3	1	1	-
517	8717	31963	$\rho$ Peg	22 52 42	08 32.9	4.90	A1 V	4	1	2	3	-
518	8780	32144	3And	23 01 56	49 46.8	4.64	K0 III	3	3	2	2	-
519*	8781	32149	$\alpha$ Peg	23 02 16	14 56.1	2.50	B9 V	9	3	2	2	1
520	8795	32196	55Peg	23 04 29	09 08.3	4.52	M2 III	4	4	4	5	-

N	BS	GC	Name	$\alpha_{1950.0}$	$\delta_{1950.0}$	V	Sp	S	A	B	C	D
521	8796	32201	56Peg	23 04 40	25 11.9	4.76s	K0 II	3	-	1	2	-
522	8797	32197	1Cas	23 04 30	59 08.9	4.86	B1 III	3	3	3	3	-
523	8812	32246	c <sup>2</sup> Aqr	23 06 47	-21 26.6	3.66	K0 III	2	-	1	1	-
524	8819	32237	$\pi$ Cep	23 06 18	75 07.0	4.41d	G2 III	3	3	3	3	-
525*	8830	32316	7And	23 10 15	49 08.0	4.52s	F0 V	5	3	3	2	-
526	8834	32346	$\varphi$ Aqr	23 11 44	-06 19.1	4.22	M2 III	3	5	4	4	-
527	8841	32374	$\psi^1$ Aqr	23 13 16	-09 21.6	4.22d	K0 III	3	3	4	3	-
528*	8850	32401	$\chi$ Aqr	23 14 15	-08 00.0	5.03	M5 III	2	-	3	3	-
529	8852	32415	$\gamma$ Psc	23 14 34	03 00.5	3.69	G7 III	5	3	3	3	-
530	8872	32463	oCep	23 16 34	67 50.3	4.74d	K0 III	2	-	3	2	-
531	8878	32491	bPsc	23 17 48	05 06.5	5.05	K2 III	2	-	2	2	-
532	8882	32507	63Peg	23 18 22	30 08.7	5.65	M0 III	2	-	3	5	-
533	8892	32540	b <sup>1</sup> Aqr	23 20 21	-20 22.4	3.96	K0 III	2	-	1	1	-
534	8905	32585	$\nu$ Peg	23 22 53	23 07.7	4.41	F8 IV	5	4	3	4	2
535	8916	32647	$\theta$ Psc	23 25 26	06 06.2	4.27	K1 III	4	3	2	4	-
536	8923	32667	qPeg	23 26 37	12 29.1	4.54	G8 III	5	2	2	3	-
537*	8939	32750	b <sup>3</sup> Aqr	23 30 40	-21 11.5	4.69d	A1 V	3	-	2	4	-
538	8963	32842	75Peg	23 35 25	18 07.4	5.40s	A1 V	3	-	1	1	-
539	8965	32850	$\iota$ And	23 35 41	42 59.5	4.27	B8 V	4	3	2	2	-
540	8969	32879	$\iota$ Psc	23 37 23	05 21.3	4.13	F7 V	2	4	3	3	-
541*	8974	32875	$\gamma$ Cep	23 37 17	77 21.2	3.22	K1 IV	8	5	4	2	3
542	8976	32886	$\kappa$ And	23 37 56	44 03.4	4.14	B8 V	4	3	3	4	-
543	8984	32917	$\lambda$ Psc	23 39 30	01 30.3	4.50	A7 V	3	1	1	1	-
544*	8991	32945	77Peg	23 40 50	10 03.2	5.22	M2 III	4	4	5	5	-
545*	8997	32954	78Peg	23 41 28	29 05.1	4.93d	K0 III	3	-	5	5	-
546	9003	32988	$\psi$ And	23 43 33	46 08.5	4.96	G5 Ib	2	-	2	4	-
547	9008	33010	$\tau$ Cas	23 44 36	58 22.4	4.87	K1 III	3	2	2	3	-
548*	9012	33029	20Psc	23 45 22	-03 02.4	5.48	G8 III	3	-	4	3	1
549	9030	33094	80Peg	23 48 48	09 02.2	6.01	M3 III	3	-	5	5	-
550	9036	33119	$\varphi$ Peg	23 49 56	18 50.5	5.05	M3 III	4	4	4	5	-
551	9064	33230	$\psi$ Peg	23 55 12	24 51.8	4.64	M3 III	3	4	4	3	2
552	9067	33248	27Psc	23 56 07	-03 50.0	4.86d	G8 III	2	-	3	4	-
553*	9071	33257	$\sigma$ Cas	23 56 28	55 28.6	4.88d	B1 V	2	-	4	4	-
554*	9072	33262	$\omega$ Psc	23 56 44	06 35.2	4.02s	F4 IV	5	3	2	2	-
555*	9089	33330	30Psc	23 59 24	-06 17.5	4.41	M3 IV	2	-	4	3	-



**Table 2.**  
**The Spectral Distributions at the Spectral**  
**Region 320 - 900 nm**

**Table 3.**  
**The Spectral Distributions at the Spectral**  
**Region 320 - 1080 nm**

320	\BS	3	45	74	153	\BS	63	68	74	153
	$\lambda$	K1III	M2III	K2III	B2V	$\lambda$	A2V	A2V	K2III	B2V
	nm	4,62	4,8	3,54	3,64	nm	4,6	4,51	3,54	3,64
325		5,011-05	7,726-06	9,981-05	4,405-03	615	3,801-04	4,092-04	1,485-03	7,943-04
330		5,701-05	8,394-06	1,037-04	4,285-03	620	3,732-04	4,017-04	1,472-03	7,726-04
335		7,046-05	9,727-06	1,096-04	4,168-03	625	3,664-04	3,908-04	1,445-03	7,516-04
340		7,112-05	1,116-05	1,137-04	4,055-03	630	3,597-04	3,837-04	1,472-03	7,311-04
345		7,516-05	1,282-05	1,191-04	3,872-03	635	3,499-04	3,732-04	1,499-03	7,177-04
350		8,016-05	1,537-05	1,342-04	3,364-04	640	3,435-04	3,664-04	1,513-03	7,046-04
355		8,629-05	1,737-05	1,445-04	3,597-03	645	3,341-04	3,531-04	1,502-03	6,546-04
360		9,972-05	1,819-05	1,318-04	3,467-03	650	3,250-04	3,311-04	1,498-03	6,194-04
365		1,158-04	4,285-04	1,270-04	3,372-03	655	3,019-04	2,857-04	1,494-03	6,251-04
370		1,202-04	4,698-04	2,228-04	3,250-03	660	3,047-04	2,884-04	1,485-03	6,309-04
375		9,981-05	4,321-04	1,870-04	3,162-03	665	3,133-04	3,047-04	1,472-03	6,194-04
380		9,981-05	5,345-04	1,786-04	3,076-03	670	3,076-04	3,133-04	1,458-03	6,025-04
385		8,317-05	2,754-05	1,853-04	3,133-03	675	2,992-04	3,104-04	1,445-03	5,861-04
390		8,709-05	3,250-05	8,472-04	3,698-03	680	2,937-04	3,019-04	1,442-03	5,701-04
395		1,037-04	3,341-05	9,204-04	3,688-03	685	2,857-04	2,964-04	1,449-03	5,546-04
395		1,202-04	3,162-05	8,550-04	3,564-03	690	2,805-04	2,910-04	1,419-03	5,445-04
400		1,737-04	3,981-05	9,981-04	3,250-03	695	2,728-04	2,857-04	1,380-03	5,296-04
405		2,187-04	8,016-05	1,169-03	2,964-03	700	2,639-04	2,805-04	1,367-03	5,152-04
410		2,228-04	9,289-05	4,742-04	2,982-03	705	4,655-04	2,779-04	1,355-03	5,011-04
415		2,290-04	9,375-05	4,613-04	2,937-03	710	4,643-04	2,703-04	1,342-03	4,875-04
420		2,376-04	9,036-05	5,058-04	2,805-03	715	4,528-04	2,654-04	1,330-03	4,786-04
425		2,630-04	9,462-05	5,970-04	2,679-03	720	4,613-04	2,421-04	1,306-03	4,655-04
430		2,728-04	9,306-04	8,709-04	2,582-03	725	4,647-04	2,668-04	1,294-03	4,570-04
435		2,964-04	1,584-04	7,585-04	2,398-03	730	4,570-04	2,312-04	1,282-03	4,487-04
440		3,221-04	1,836-04	8,016-04	2,466-03	735	4,487-04	2,249-04	1,291-03	4,365-04
445		3,630-04	2,089-04	9,977-04	2,398-03	740	4,499-04	2,398-04	1,306-03	4,246-04
450		3,872-04	2,333-04	9,638-04	2,290-03	745	4,520-04	2,167-04	1,318-03	4,168-04
455		4,095-04	2,582-04	8,472-04	2,208-03	750	4,508-04	2,128-04	1,270-03	4,092-04
460		4,168-04	2,754-04	1,028-03	2,108-03	755	4,446-04	2,228-04	1,262-03	4,017-04
465		4,246-04	2,606-04	1,037-03	2,051-03	760	4,405-04	2,187-04	1,258-03	3,908-04
470		4,285-04	2,910-04	8,472-04	1,866-03	765	4,365-04	2,147-04	1,282-03	3,801-04
475		4,405-04	2,884-04	1,137-03	1,905-03	770	4,377-04	1,976-04	1,282-03	3,676-04
480		4,570-04	2,905-04	1,169-03	1,819-03	775	4,397-04	1,940-04	1,275-03	3,630-04
485		4,528-04	3,047-04	6,729-04	1,674-03	780	4,385-04	1,905-04	1,258-03	3,564-04
490		4,562-04	3,280-04	1,169-03	1,681-03	785	4,389-04	1,887-04	1,235-03	3,467-04
495		4,655-04	3,221-04	1,202-03	1,614-03	790	4,357-04	1,853-04	1,224-03	3,372-04
500		4,613-04	3,019-04	1,200-03	1,458-03	795	4,285-04	1,836-04	1,213-03	3,311-04
505		4,520-04	3,133-04	1,191-03	1,555-03	800	4,207-04	1,803-04	1,202-03	3,250-04
510		4,604-04	3,250-04	1,180-03	1,499-03	805	4,195-04	1,770-04	1,180-03	3,162-04
515		4,446-04	3,162-04	1,127-03	1,406-03	810	4,199-04	1,721-04	1,158-03	3,104-04
520		4,600-04	3,280-04	1,076-03	1,406-03	815	4,168-04	1,690-04	1,158-03	3,019-04
525		4,830-04	3,630-04	1,191-03	1,367-03	820	4,157-04	1,674-04	1,180-03	2,937-04
530		4,920-04	4,168-04	1,282-03	1,330-03	825	4,092-04	1,644-04	1,202-03	2,857-04
535		5,105-04	4,528-04	1,330-03	1,294-03	830	4,017-04	1,599-04	1,200-03	2,779-04
540		5,152-04	4,698-04	1,328-03	1,258-03	835	3,944-04	1,570-04	1,206-03	2,703-04
545		5,090-04	4,655-04	1,332-03	1,213-03	840	3,937-04	1,541-04	1,205-03	2,654-04
550		5,100-04	5,248-04	1,355-03	1,180-03	845	3,981-04	1,527-04	1,180-03	2,606-04
555		5,199-04	4,528-04	1,380-03	1,148-03	850	3,933-04	1,485-04	1,178-03	2,535-04
560		5,248-04	4,365-04	1,406-03	1,106-03	855	3,872-04	1,458-04	1,191-03	2,488-04
565		5,262-04	4,325-04	1,419-03	1,066-03	860	3,801-04	1,419-04	1,195-03	2,443-04
570		5,345-04	4,698-04	1,445-03	1,037-03	865	3,794-04	1,393-04	1,193-03	2,398-04
575		5,282-04	5,011-04	1,472-03	1,005-03	870	3,865-04	1,367-04	1,202-03	2,333-04
580		5,306-04	5,296-04	1,485-03	9,638-04	875	3,861-04	1,342-04	1,169-03	2,290-04
585		5,335-04	4,742-04	1,481-03	9,289-04	880	3,861-04	1,318-04	1,158-03	2,249-04
590		5,395-04	4,055-04	1,380-03	9,036-04	885	3,837-04	1,294-04	1,148-03	2,208-04
595		5,495-04	4,446-04	1,445-03	8,629-04	890	3,791-04	1,282-04	1,127-03	2,167-04
600		5,445-04	4,092-04	1,499-03	8,472-04	895	3,767-04	1,270-04	1,124-03	2,126-04
605		5,546-04	5,546-04	1,513-03	8,317-04	900	3,732-04	1,247-04	1,116-03	2,089-04
610		6,367-04	4,920-03	3,221-04	7,158-04					











\ BS A \ Sp nm \ V	563 K1IV 5,09	585 M1III 3,99	613 A0V: 5,04	617 K2III 2	631 M3III: 5,76	649 G8II 4,36
320						6,223-04
325	7,177-05	3,162-05	2,910-04	4,875-04	2,355-04	6,194-04
330	7,311-05	3,311-05	2,937-04	5,248-04	1,819-04	6,183-04
335	6,854-05	3,372-05	2,964-04	5,701-04	1,659-04	6,165-04
340	7,046-05	3,499-05	2,959-04	5,915-04	2,013-04	6,137-04
345	7,798-05	3,630-05	2,992-04	6,025-04	2,443-04	6,081-04
350	8,472-05	3,908-05	3,019-04	6,546-04	2,630-04	5,915-04
355	8,550-05	4,130-05	3,047-04	7,726-04	2,779-04	5,807-04
360	9,120-05	4,786-05	3,162-04	7,798-04	2,884-04	5,754-04
365	1,086-04	5,286-05	3,499-04	9,908-04	2,805-04	5,701-04
370	1,116-04	5,445-05	4,446-04	9,908-04	2,805-04	5,675-04
375	1,066-04	5,296-05	5,546-04	9,204-04	2,421-04	5,701-04
380	1,003-04	5,861-05	6,426-04	1,037-03	2,051-04	5,754-04
385	9,817-05	5,105-05	6,668-04	7,447-04	2,398-04	5,701-04
390	1,009-04	6,486-05	6,081-04	9,890-04	2,754-04	5,649-04
395	1,127-04	5,495-05	5,546-04	9,204-04	3,221-04	5,495-04
400	1,599-04	1,202-04	5,754-04	2,167-03	3,467-04	5,345-04
405	1,976-04	1,644-04	6,309-04	2,376-03	3,630-04	5,296-04
410	2,013-04	1,803-04	5,738-04	2,630-03	3,435-04	5,272-04
415	2,010-04	1,770-04	6,309-05	2,269-03	2,754-04	5,296-04
420	2,108-04	1,753-04	6,194-04	2,376-03	2,376-04	5,248-04
425	2,167-04	2,606-03	5,970-04	2,606-03	2,831-04	5,199-04
430	2,290-04	2,511-04	5,296-04	2,630-03	3,597-04	5,011-04
435	2,443-04	3,221-04	4,965-04	3,162-03	3,981-04	5,345-04
440	2,511-04	3,564-04	5,546-04	3,531-03	4,446-04	5,248-04
445	2,679-04	4,055-04	5,597-04	3,872-03	4,742-04	5,223-04
450	2,805-04	4,570-04	5,525-04	4,207-03	4,965-04	5,248-04
455	2,857-04	5,105-04	5,395-04	4,487-03	5,011-04	5,199-04
460	2,937-04	5,597-04	5,248-04	4,742-03	4,998-04	5,152-04
465	2,964-04	5,587-04	5,105-04	4,786-03	4,830-04	5,058-04
470	2,992-04	5,807-04	5,011-04	4,777-03	4,613-04	5,011-04
475	3,047-04	5,915-04	4,830-04	5,011-03	4,285-04	5,011-04
480	3,076-04	5,807-04	4,487-04	5,105-03	4,092-04	4,988-04
485	3,047-04	6,137-04	3,801-04	5,058-03	4,246-04	5,011-04
490	3,019-04	6,486-04	3,981-04	5,048-03	4,325-04	5,058-04
495	3,014-04	6,792-04	4,130-04	5,199-03	4,570-04	5,081-04
500	2,964-04	6,309-04	4,092-04	5,152-03	4,528-04	5,105-04
505	3,019-04	6,367-04	4,017-04	5,238-03	4,655-04	5,152-04
510	3,011-04	6,486-04	3,944-04	5,138-03	4,786-04	5,128-04
515	2,992-04	6,194-04	3,837-04	4,965-03	4,875-04	5,105-04
520	3,028-04	6,754-04	3,732-04	4,742-03	5,011-04	5,011-04
525	3,133-04	7,046-04	3,664-04	5,345-03	5,058-04	4,875-04
530	3,162-04	8,165-04	3,531-04	5,649-03	4,920-04	4,698-04
535	3,191-04	8,790-04	3,467-04	5,807-03	4,786-04	4,655-04
540	3,197-04	8,953-04	3,372-04	5,754-03	4,698-04	4,647-04
545	3,221-04	8,953-04	3,280-04	5,701-03	4,690-04	4,655-04
550	3,250-04	8,847-04	3,162-04	5,915-03	4,742-04	4,613-04
555	3,256-04	9,289-04	3,076-04	6,025-03	4,830-04	4,570-04
560	3,221-04	9,375-04	2,982-04	6,081-03	4,875-04	4,549-04
565	3,191-04	9,349-04	2,910-04	6,137-03	4,920-04	4,528-04
570	3,221-04	9,727-04	2,831-04	6,126-03	5,011-04	4,520-04
575	3,280-04	1,037-03	2,754-04	6,025-03	5,248-04	4,508-04
580	3,372-04	1,056-03	2,703-04	6,126-03	5,233-04	4,487-04
585	3,363-04	9,289-04	2,606-04	6,194-03	5,199-04	4,446-04
590	3,369-04	9,264-04	2,535-04	6,251-03	5,296-04	4,405-04
595	3,341-04	9,981-04	2,443-04	6,269-03	5,345-04	4,385-04
600	3,280-04	1,076-03	2,421-04	6,257-03	5,495-04	4,365-04
605	3,221-04	1,137-03	2,355-04	6,309-03	5,649-04	4,357-04
610	3,191-04	1,148-03	2,312-04	6,297-03	5,854-04	4,357-04







\ BS Å \ Sp nm \ V	1015 K3III 5,09	1052 K3III 4,35	1066 K0II-III 4,11	1101 F8V 4,28	1162 M2III 4,42	1220 B1III 2,9
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\ BS \ A \ Sp nm \ \ V	1329 A7V 4,96	1346 K0III 3,64	1373 K0III 3,76	1387 A7V 4,22	1389 A2IV 4,3	1392 A8V 4,29
320	2,606-04	1,247-04	1,247-04	1,247-04	1,247-04	1,247-04
325	2,630-04	2,208-04	1,380-04	4,742-04	5,495-04	5,445-04
330	2,625-04	2,249-04	1,737-04	4,920-04	5,470-04	5,296-04
335	2,654-04	2,312-04	1,940-04	5,058-04	5,520-04	5,248-04
340	2,647-04	2,388-04	1,853-04	5,105-04	5,505-04	5,105-04
345	2,703-04	2,466-04	2,051-04	5,152-04	5,480-04	4,965-04
350	2,728-04	2,582-04	2,167-04	5,142-04	5,490-04	4,875-04
355	2,754-04	2,805-04	2,187-04	5,161-04	5,546-04	4,786-04
360	2,857-04	3,191-04	2,032-04	5,248-04	5,571-04	4,698-04
365	2,937-04	3,872-04	2,805-04	5,345-04	5,649-04	4,685-04
370	3,435-04	3,908-04	3,372-04	5,754-04	5,701-04	4,446-04
375	4,055-04	3,499-04	2,992-04	6,668-04	6,918-04	4,130-04
380	4,965-04	3,162-04	3,133-04	8,790-04	9,375-04	4,325-04
385	5,248-04	2,128-04	2,128-04	1,076-03	1,096-03	4,246-04
390	4,152-04	2,817-04	3,104-04	1,213-03	1,213-03	3,944-04
395	4,965-04	3,908-04	2,376-04	1,224-03	1,127-03	4,130-04
400	5,105-04	6,668-04	5,546-04	1,318-03	1,282-04	3,767-04
405	5,807-04	7,244-04	6,251-04	1,367-03	1,318-03	3,664-04
410	4,570-04	6,918-04	6,081-04	1,224-03	1,106-03	3,944-04
415	5,445-04	6,194-04	5,536-04	1,294-03	1,169-03	3,872-04
420	5,754-04	7,224-04	5,861-04	1,367-03	1,282-03	3,801-04
425	5,738-04	7,943-04	6,918-04	1,330-03	1,235-03	3,732-04
430	5,290-04	7,112-04	6,486-04	1,127-03	9,817-04	3,664-04
435	4,487-04	8,016-04	7,798-04	1,037-03	1,047-03	3,630-04
440	4,570-04	9,289-04	8,317-04	1,180-03	1,137-03	3,564-04
445	5,445-04	9,981-04	8,953-04	1,224-03	1,158-03	3,531-04
450	5,345-04	1,047-03	9,375-04	1,191-03	1,137-03	3,467-04
455	5,248-04	1,086-03	9,549-04	1,169-03	1,106-03	3,280-04
460	5,152-04	1,106-03	9,817-04	1,137-03	1,076-03	3,435-04
465	5,058-04	1,104-03	9,908-04	1,106-03	1,047-03	3,372-04
470	4,965-04	1,110-03	9,727-04	1,086-03	1,018-03	3,311-04
475	4,875-04	1,213-03	1,056-03	1,066-03	1,002-03	3,221-04
480	4,285-04	1,247-03	9,908-04	9,908-04	9,120-04	3,191-04
485	3,767-04	1,213-03	1,056-03	7,726-04	7,726-04	3,133-04
490	4,446-04	1,180-03	1,054-03	8,790-04	8,317-04	3,076-04
495	4,528-04	1,247-03	1,083-03	8,790-04	8,171-04	3,019-04
500	4,487-04	1,210-03	1,058-03	9,375-04	8,394-04	2,992-04
505	4,405-04	1,235-03	1,057-03	9,120-04	8,472-04	2,964-04
510	4,325-04	1,224-03	1,066-03	8,871-04	8,241-04	2,937-04
515	4,246-04	1,158-03	1,018-03	8,629-04	7,798-04	2,910-04
520	4,188-04	1,156-03	1,009-03	8,394-04	7,655-04	2,884-04
525	4,092-04	1,191-03	1,066-03	8,165-04	7,266-04	2,857-04
530	4,017-04	1,282-03	1,137-03	8,016-04	7,172-04	2,831-04
535	3,908-04	1,294-03	1,158-03	7,943-04	7,516-04	2,805-04
540	3,837-04	1,279-03	1,156-03	7,798-04	7,444-04	2,779-04
545	3,767-04	1,281-03	1,148-03	7,655-04	7,112-04	2,728-04
550	3,698-04	1,291-03	1,137-03	7,447-04	6,982-04	2,703-04
555	3,630-04	1,306-03	1,135-03	7,311-04	6,668-04	2,679-04
560	3,564-04	1,270-03	1,127-03	7,177-04	6,546-04	2,654-04
565	3,499-04	1,258-03	1,135-03	7,046-04	6,367-04	2,630-04
570	3,435-04	1,270-03	1,169-03	6,854-04	6,194-04	2,606-04
575	3,372-04	1,294-03	1,165-03	6,668-04	6,081-04	2,582-04
580	3,311-04	1,306-03	1,158-03	6,546-04	5,915-04	2,558-04
585	3,250-04	1,291-03	1,167-03	6,367-04	5,754-04	2,531-04
590	3,191-04	1,282-03	1,116-03	6,194-04	5,649-04	2,511-04
595	3,133-04	1,290-03	1,148-03	6,025-04	5,466-04	2,488-04
600	3,076-04	1,298-03	1,144-03	5,915-04	5,395-04	2,463-04
605	3,019-04	1,277-03	1,156-03	5,754-04	5,296-04	2,443-04
610	2,964-04	1,270-03	1,137-03	5,597-04	5,199-04	2,421-04























320	\ BS λ \ Sp nm \ V	4069 M0III 3,03	4090 F0V 4,73	4100 G8III 4,2	4247 K0III-IV 3,8	4299 K5III 4,74	4300 A1V 4,41	4300 A1V 4,41
325		6,982-05	2,679-04	1,513-04	1,158-04	1,018-05	5,495-04	4,487-04
330		7,655-05	2,754-04	1,629-04	1,294-04	1,056-05	5,445-04	4,365-04
335		6,963-05	2,831-04	1,786-04	1,406-04	1,116-05	5,395-04	4,285-04
340		6,426-05	2,857-04	1,853-04	1,380-04	1,169-05	5,345-04	4,168-04
345		6,854-05	2,884-04	1,850-04	1,584-04	1,247-05	5,296-04	4,055-04
350		8,790-05	2,910-04	1,870-04	1,690-04	1,318-05	5,248-04	3,944-04
355		1,148-04	2,937-04	1,923-04	1,644-04	1,393-05	5,233-04	3,837-04
360		1,076-04	2,959-04	2,013-04	1,614-04	1,472-05	5,199-04	3,698-04
365		1,589-04	2,982-04	2,558-04	1,995-04	1,555-05	5,152-04	3,221-04
370		1,836-04	3,191-04	2,630-04	2,290-04	1,690-05	5,138-04	3,435-04
375		1,513-04	4,130-04	2,355-04	2,128-04	2,070-05	6,546-04	3,531-04
380		1,584-04	2,952-04	2,089-04	1,923-04	2,312-05	7,726-04	3,429-04
385		1,510-04	6,546-04	2,013-04	2,013-04	2,535-05	1,056-03	3,372-04
390		1,644-04	6,729-04	2,443-04	2,558-04	2,630-05	1,158-03	3,280-04
395		1,555-04	6,309-04	2,703-04	3,311-04	3,047-03	3,019-04	3,221-04
400		1,116-04	6,606-04	3,908-04	4,207-04	5,754-05	1,224-03	3,133-04
405		3,981-04	7,112-04	5,058-04	5,199-04	6,982-05	1,213-03	3,076-04
410		4,325-04	6,668-04	4,965-04	5,058-04	7,585-05	1,116-03	3,019-04
415		4,786-04	6,982-04	4,786-04	4,875-04	7,655-05	1,202-03	2,964-04
420		5,058-04	6,982-04	4,920-04	5,011-04	7,447-05	1,258-03	2,910-04
425		5,395-04	6,918-04	5,199-04	4,920-04	8,241-05	1,137-03	2,857-04
430		6,309-04	6,486-04	5,345-04	5,915-04	1,096-04	1,056-03	2,805-04
435		8,709-04	6,194-04	5,807-04	6,606-04	1,393-04	1,066-03	2,754-04
440		7,798-04	6,426-04	6,137-04	7,244-04	1,674-04	1,113-03	2,690-04
445		9,817-04	6,594-04	6,606-04	7,870-04	1,905-04	1,106-03	2,630-04
450		1,247-03	6,546-04	6,982-04	7,726-04	2,128-04	1,076-03	2,582-04
455		1,224-03	6,486-04	7,112-04	9,036-04	2,398-04	1,047-03	2,535-04
460		1,380-03	6,415-04	7,244-04	9,011-04	2,606-04	1,018-03	2,488-04
465		1,419-03	6,426-04	7,112-04	8,953-04	2,754-04	9,908-04	2,443-04
470		1,472-03	6,297-04	7,177-04	9,120-04	2,805-04	9,333-04	2,398-04
475		1,485-03	6,183-04	7,211-04	9,462-04	2,884-04	9,375-04	2,355-04
480		1,458-03	5,861-04	7,516-04	9,638-04	2,897-04	8,472-04	2,312-04
485		1,499-03	5,296-04	7,585-04	9,549-04	2,992-04	7,447-04	2,269-04
490		1,614-03	5,345-04	7,244-04	9,289-04	3,042-04	8,165-04	2,228-04
495		1,644-03	5,546-04	7,046-04	9,094-04	3,076-04	8,472-04	2,187-04
500		1,570-03	5,495-04	7,112-04	9,019-04	3,064-04	8,317-04	2,147-04
505		1,674-03	5,395-04	7,099-04	8,472-04	3,042-04	8,090-04	2,108-04
510		1,584-03	5,296-04	7,177-04	8,790-04	2,964-04	7,870-04	2,070-04
515		1,495-03	5,248-04	7,112-04	8,871-04	3,019-04	7,585-04	2,032-04
520		1,611-03	5,152-04	6,854-04	9,120-04	3,630-04	7,379-04	1,995-04
525		1,905-03	5,058-04	6,842-04	9,638-04	3,981-04	7,177-04	1,958-04
530		2,208-03	5,011-04	7,112-04	1,009-03	4,246-04	6,982-04	1,940-04
535		2,290-03	4,920-04	7,244-04	1,047-03	4,487-04	6,792-04	1,905-04
540		2,286-03	4,830-04	7,447-04	1,076-03	4,698-04	6,606-04	1,870-04
545		2,208-03	4,742-04	7,447-04	1,106-03	4,875-04	6,426-04	1,836-04
550		2,199-03	4,698-04	7,426-04	1,116-03	5,058-04	6,309-04	1,803-04
555		2,398-03	4,613-04	7,379-04	1,137-03	5,199-04	6,137-04	1,786-04
560		2,376-03	4,528-04	7,358-04	1,148-03	5,296-04	5,970-04	1,753-04
565		2,355-03	4,446-04	7,277-04	1,158-03	5,395-04	5,861-04	1,721-04
570		2,333-03	4,405-04	7,311-04	1,156-03	5,495-04	5,701-04	1,706-04
575		2,606-03	4,325-04	7,244-04	1,169-03	5,546-04	5,546-04	1,674-04
580		2,728-03	4,285-04	7,231-04	1,171-03	5,697-04	5,395-04	1,659-04
585		2,558-03	4,207-04	7,191-04	1,180-03	5,649-04	5,248-04	1,629-04
590		2,284-03	4,130-04	7,158-04	1,184-03	5,638-04	5,199-04	1,614-04
595		2,187-03	4,055-04	7,046-04	1,181-03	5,670-04	4,965-04	1,584-04
600		2,511-03	4,017-04	7,008-04	1,183-03	5,597-04	4,830-04	1,555-04
605		2,857-03	3,944-04	7,112-04	1,178-03	5,495-04	4,742-04	1,527-04
610		2,884-03	3,908-04	7,092-04	1,173-03	5,296-04	4,613-04	1,570-04



320	\ BS	4471	4483	4517	4518	4527	4608	4608
325	\ Sp	G9III	M5V:	M1III	K0III	G5III-IV	G8III	G8III
330	nm \ V	4,3	5,34	4,02	3,7	4,54	4,14	4,14
335		9,817-05	5,105-06	1,905-05	8,394-05	2,249-04	1,294-04	8,456-04
340		1,037-04	5,754-06	2,089-05	8,953-05	2,333-04	1,393-04	8,394-04
345		1,106-04	6,486-06	2,333-05	9,817-05	2,398-04	1,306-04	8,302-04
350		1,213-04	7,798-06	2,754-05	1,076-04	2,443-04	1,584-04	8,218-04
355		1,406-04	9,817-06	3,311-05	1,180-04	2,452-04	1,737-04	8,317-04
360		1,644-04	1,127-05	3,944-05	1,306-04	2,488-04	1,905-04	8,294-04
365		1,706-04	1,330-05	4,528-05	1,393-04	2,535-04	2,070-04	8,394-04
370		1,599-04	1,513-05	4,130-05	1,419-04	2,511-04	1,887-04	8,371-04
375		1,702-04	1,737-05	5,701-05	1,659-04	2,562-04	1,905-04	8,302-04
380		1,128-04	2,089-05	6,137-05	2,147-04	2,779-04	2,228-04	8,287-04
385		1,905-04	2,249-05	5,915-05	2,128-04	2,964-04	2,312-04	8,294-04
390		1,770-04	2,208-05	5,445-05	1,803-04	2,992-04	2,290-04	8,226-04
395		1,819-04	2,290-05	6,982-05	1,923-04	3,280-04	1,976-04	8,165-04
400		1,432-04	2,443-05	5,807-05	1,499-04	3,801-04	1,803-04	8,016-04
405		1,976-04	2,436-05	6,792-05	1,905-04	4,207-04	2,307-04	7,870-04
410		1,753-04	2,937-05	6,081-05	1,659-04	4,130-04	2,032-04	7,848-04
415		3,801-04	3,981-05	1,158-04	3,981-04	4,246-04	4,246-04	7,855-04
420		4,207-04	6,081-05	1,737-04	4,487-04	5,861-04	4,405-04	7,841-04
425		4,199-04	7,311-05	1,976-04	4,516-04	5,701-04	4,365-04	7,726-04
430		4,130-04	7,870-05	2,108-04	4,474-04	5,754-04	4,246-04	7,516-04
435		4,092-04	7,943-05	2,187-04	4,570-04	5,970-04	4,207-04	7,447-04
440		4,246-04	8,165-05	2,333-04	4,965-04	6,137-04	4,246-04	7,244-04
445		4,528-04	9,375-05	2,805-04	5,395-04	5,248-04	5,152-04	7,112-04
450		4,875-04	1,096-04	3,404-04	6,081-04	5,105-04	5,597-04	7,046-04
455		5,199-04	1,202-04	3,944-04	7,429-04	5,850-04	6,297-04	6,989-04
460		5,597-04	1,294-04	4,446-04	7,655-04	5,701-04	6,426-04	6,982-04
465		6,025-04	1,432-04	4,965-04	8,394-04	5,839-04	6,729-04	6,969-04
470		6,194-04	1,527-04	5,345-04	8,871-04	6,309-04	6,918-04	6,995-04
475		6,546-04	1,521-04	5,861-04	9,289-04	6,297-04	6,982-04	6,988-04
480		6,792-04	1,499-04	6,137-04	9,549-04	6,280-04	7,046-04	6,989-04
485		6,606-04	1,836-04	6,668-04	9,908-04	6,251-04	7,177-04	6,792-04
490		6,426-04	2,187-04	7,177-04	1,018-03	6,194-04	7,379-04	6,729-04
495		6,668-04	2,032-04	7,046-04	1,056-03	5,970-04	7,447-04	6,729-04
500		6,729-04	1,644-04	6,649-04	1,054-03	5,861-04	7,655-04	6,486-04
505		6,655-04	2,421-04	6,729-04	1,047-03	5,754-04	7,634-04	6,251-04
510		6,534-04	2,805-04	6,792-04	1,015-03	5,701-04	7,571-04	6,194-04
515		6,522-04	2,089-04	6,426-04	9,817-04	5,597-04	7,516-04	6,137-04
520		6,854-04	2,630-04	7,379-04	1,015-03	5,546-04	7,557-04	6,126-04
525		7,046-04	3,019-04	8,394-04	1,096-03	5,304-04	7,943-04	6,131-04
530		7,046-04	3,019-04	8,953-04	1,158-03	5,520-04	8,016-04	6,081-04
535		7,311-04	3,221-04	9,204-04	1,191-03	5,495-04	8,090-04	5,970-04
540		7,244-04	2,754-04	9,036-04	1,200-03	5,395-04	8,143-04	5,861-04
545		7,164-04	2,630-04	9,289-04	1,213-03	5,296-04	8,158-04	5,754-04
550		7,046-04	2,654-04	9,375-04	1,235-03	5,248-04	8,241-04	5,701-04
555		7,033-04	2,504-04	9,289-04	1,247-03	5,233-04	8,317-04	5,649-04
560		7,244-04	2,649-04	9,375-04	1,258-03	5,243-04	8,472-04	5,597-04
565		7,311-04	2,964-04	9,549-04	1,255-03	5,223-04	8,550-04	5,582-04
570		7,287-04	3,311-04	1,018-03	1,282-03	5,262-04	8,629-04	5,546-04
575		7,379-04	3,019-04	1,047-03	1,287-03	5,252-04	8,605-04	5,536-04
580		7,516-04	2,535-04	1,009-03	1,306-03	5,152-04	8,613-04	5,495-04
585		7,495-04	2,249-04	9,375-04	1,294-03	5,105-04	8,709-04	5,470-04
590		7,509-04	2,290-04	9,462-04	1,290-03	5,058-04	8,598-04	5,445-04
595		7,447-04	3,011-04	1,047-03	1,282-03	4,965-04	8,550-04	5,415-04
600		7,379-04	1,137-03	1,291-03	1,291-03	4,920-04	8,534-04	5,395-04
605		7,177-04	4,168-04	1,134-03	1,298-03	4,786-04	8,621-04	

320	\ BS A \ Sp nm \ \	4660 A3V 3,3	4737 K1III 4,35	4757 B9V 2,95	4825/6 F0V 2,75	4883 G0III 4,94	4902 M3III 4,8	4902 M3III 4,8
325		1,406-03	5,754-05	2,630-03	2,167-03	1,527-04	1,513-05	5,649-04
330		1,393-03	5,970-05	2,582-03	2,208-03	1,570-04	1,555-05	4,365-04
335		1,390-03	6,546-05	2,558-03	2,228-03	1,644-04	1,584-05	3,908-04
340		1,380-03	6,546-05	2,535-03	2,249-03	1,706-04	1,629-05	4,285-04
345		1,372-03	8,629-05	2,466-03	2,312-03	1,753-04	1,803-05	4,785-04
350		1,368-03	8,317-05	2,443-03	2,355-03	1,819-04	1,887-05	5,296-04
355		1,371-03	7,870-05	2,421-03	2,398-03	1,887-04	1,895-05	6,025-04
360		1,363-03	9,120-05	2,398-03	2,443-03	1,836-04	1,935-05	6,606-04
365		1,380-03	1,086-04	2,394-03	2,511-03	1,976-04	2,228-05	6,918-04
370		1,472-03	1,224-04	2,488-03	2,582-03	2,084-04	2,558-05	7,112-04
375		1,803-03	9,981-05	2,910-03	2,754-03	2,414-04	2,884-05	6,668-04
380		2,290-03	8,302-05	3,404-03	3,019-03	2,269-04	2,964-05	6,008-04
385		2,910-03	4,446-03	4,446-03	3,111-03	2,089-04	2,910-05	5,445-04
390		3,250-03	1,137-04	5,248-03	3,467-03	2,208-04	3,311-05	6,588-04
395		3,047-03	1,056-04	5,597-03	3,630-03	2,051-04	3,076-05	7,447-04
400		3,280-03	2,376-04	5,861-03	4,168-03	2,884-04	6,918-05	8,165-04
405		3,191-03	2,606-04	5,807-03	3,973-03	3,311-04	8,394-05	8,472-04
410		3,221-03	2,290-04	5,011-03	3,908-03	3,467-04	9,972-05	7,943-04
420		3,280-03	2,654-04	5,345-03	3,988-03	3,429-04	1,056-04	5,248-04
425		3,215-03	3,019-04	5,105-03	3,944-03	3,404-04	1,116-04	6,309-04
430		2,964-03	3,372-04	4,570-03	3,630-03	3,372-04	1,270-04	7,585-04
435		2,703-03	3,664-04	4,801-03	3,404-03	3,531-04	1,541-04	9,120-04
440		2,754-03	4,092-04	4,655-03	3,630-03	3,767-04	1,737-04	9,727-04
445		2,857-03	4,446-04	4,446-03	3,767-03	3,908-04	1,976-04	1,009-03
450		2,805-03	4,920-04	4,285-03	3,698-03	3,981-04	2,228-04	1,037-03
455		2,746-03	5,395-04	4,130-03	3,630-03	4,017-04	2,511-04	1,047-03
460		2,679-03	5,445-04	3,977-03	3,597-03	4,006-04	2,606-04	1,034-03
465		2,606-03	5,248-04	3,872-03	3,531-03	4,055-04	2,679-04	1,018-03
470		2,535-03	5,296-04	3,732-03	3,467-03	4,040-04	2,703-04	9,872-04
475		2,466-03	5,701-04	3,664-03	3,404-03	4,010-04	2,679-04	9,817-04
480		2,290-03	6,137-04	3,499-03	3,221-03	4,047-04	2,679-04	9,727-04
485		1,958-03	6,025-04	2,558-03	2,937-03	4,014-04	2,857-04	9,700-04
490		1,976-03	5,861-04	2,754-03	3,104-03	3,970-04	3,191-04	9,908-04
495		2,187-03	5,855-04	3,250-03	3,280-03	4,014-04	3,019-04	1,018-03
500		2,147-03	5,845-04	3,162-03	3,221-03	4,032-04	2,964-04	1,037-03
505		2,108-03	5,855-04	3,076-03	3,191-03	4,021-04	3,250-04	1,066-03
510		2,051-03	5,839-04	2,992-03	3,133-03	4,025-04	3,597-04	1,086-03
515		2,013-03	5,395-04	2,884-03	3,076-03	3,970-04	3,435-04	1,106-03
520		1,955-03	5,701-04	2,779-03	3,019-03	3,988-04	3,280-04	1,116-03
525		1,905-03	6,137-04	2,679-03	2,992-03	3,992-04	3,664-04	1,137-03
530		1,870-03	6,367-04	2,630-03	2,964-03	4,043-04	4,168-04	1,127-03
535		1,819-03	6,486-04	2,558-03	2,910-03	4,051-04	4,487-04	1,113-03
540		1,786-03	6,546-04	2,466-03	2,884-03	4,066-04	4,528-04	1,104-03
545		1,753-03	6,688-04	2,398-03	2,857-03	4,017-04	4,499-04	1,096-03
550		1,706-03	6,729-04	2,333-03	2,805-03	3,981-04	5,095-04	1,187-04
555		1,674-03	6,792-04	2,269-03	2,779-03	3,944-04	4,613-04	1,076-03
560		1,629-03	6,711-04	2,208-03	2,754-03	3,908-04	4,479-04	1,074-03
565		1,599-03	6,668-04	2,147-03	2,728-03	3,872-04	4,516-04	1,080-03
570		1,541-03	6,854-04	2,051-03	2,679-03	3,865-04	4,786-04	1,086-03
575		1,513-03	6,982-04	2,013-03	2,630-03	3,837-04	4,528-04	1,093-03
580		1,472-03	6,918-04	1,976-03	2,606-03	3,801-04	5,345-04	1,114-03
585		1,445-03	6,655-04	1,940-03	2,582-03	3,794-04	4,775-04	1,124-03
590		1,393-03	6,773-04	1,853-03	2,535-03	3,812-04	4,821-04	1,135-03
595		1,355-03	7,046-04	1,803-03	2,535-03	3,808-04	4,055-04	1,148-03
600		1,318-03	7,033-04	1,770-03	2,488-03	3,767-04	4,965-04	1,158-03
605		1,294-03	6,969-04	1,737-03	2,443-03	3,732-04	5,807-04	1,156-03
610		1,258-03	6,773-04	1,690-03	2,398-03	3,698-04	6,025-04	

\ BS λ \ Sp nm \ V	4920 M0III 4,78	4924 G9III-III 4,89	4932 G9III 2,83	4954 K5III 4,8	4983 G0V 4,26	5127 A7III 4,83
320	4,246-05	4,246-05	3,372-04	1,555-05	4,325-04	2,910-04
325	4,365-05	4,365-05	4,325-04	1,659-05	4,446-04	2,937-04
330	4,698-05	4,698-05	5,445-04	1,753-05	4,570-04	2,943-04
335	4,830-05	4,830-05	5,701-04	1,836-05	4,613-04	2,964-04
340	4,965-04	4,965-04	5,345-04	1,831-05	4,703-04	2,985-04
345	5,199-05	5,199-05	5,754-04	1,803-05	4,604-04	2,992-04
350	5,485-05	5,485-05	6,194-04	2,013-05	4,830-04	3,047-04
355	2,108-05	6,025-05	5,807-04	2,466-05	4,821-04	3,076-04
360	2,013-05	6,006-05	6,668-04	2,754-05	4,698-04	3,084-04
365	1,940-05	7,516-05	8,472-04	2,937-05	5,248-04	3,104-04
370	2,606-05	7,244-05	9,036-04	2,831-05	4,395-04	3,191-04
375	1,940-05	6,918-05	8,016-04	2,654-05	5,199-04	3,630-04
380	2,535-05	6,089-04	8,090-04	2,679-05	4,365-04	4,865-04
385	2,312-05	6,381-05	6,025-04	2,964-05	5,152-04	4,786-04
390	2,208-05	6,546-05	7,447-04	3,499-05	4,920-04	5,058-04
395	2,754-05	7,585-05	1,096-03	4,246-05	4,528-04	6,025-04
400	5,597-05	1,148-04	1,393-03	5,754-05	6,309-04	5,649-04
405	7,943-05	1,393-04	1,721-03	8,394-05	7,447-04	6,426-04
410	9,289-05	1,485-04	1,737-03	8,317-05	7,379-04	5,701-04
415	9,908-05	1,513-04	1,644-03	8,165-05	7,655-04	6,546-04
420	1,037-04	1,629-04	1,690-03	8,790-05	7,641-04	6,426-04
425	1,076-04	1,819-04	1,718-03	1,028-04	7,244-04	6,025-04
430	1,318-04	1,995-04	1,706-03	1,191-04	7,046-04	5,395-04
435	1,674-04	2,187-04	2,032-03	1,419-04	7,447-04	5,152-04
440	1,923-04	2,398-04	2,167-03	1,659-04	7,943-04	5,985-04
445	2,167-04	2,507-04	2,312-03	1,923-04	8,241-04	6,081-04
450	2,511-04	2,630-04	2,466-03	2,228-04	8,550-04	5,970-04
455	2,754-04	2,779-04	2,606-03	2,703-04	8,534-04	5,861-04
460	2,992-04	2,884-04	2,654-03	2,857-04	8,472-04	5,807-04
465	3,162-04	3,019-04	2,630-03	2,831-04	8,456-04	5,701-04
470	3,221-04	3,104-04	2,623-03	2,805-04	8,394-04	5,646-04
475	3,341-04	3,191-04	2,754-03	2,910-04	8,379-04	5,445-04
480	3,435-04	3,311-04	2,831-03	3,019-04	8,317-04	5,011-04
485	3,597-04	3,404-04	2,805-03	3,047-04	8,016-04	4,87-04
490	3,664-04	3,397-04	2,754-03	3,133-04	7,798-04	4,786-04
495	3,531-04	3,419-04	2,679-03	3,162-04	8,165-04	4,965-04
500	3,499-04	3,410-04	2,654-03	3,104-04	8,090-04	4,820-04
505	3,483-04	3,372-04	2,703-03	3,076-04	8,016-04	4,830-04
510	3,435-04	3,341-04	2,779-03	3,019-04	7,994-04	4,698-04
515	3,133-04	3,280-04	2,630-03	3,011-04	7,870-04	4,613-04
520	3,372-04	3,404-04	2,558-03	3,221-04	7,585-04	4,528-04
525	4,055-04	3,597-04	2,703-03	3,564-04	7,571-04	4,446-04
530	4,786-04	3,767-04	2,805-03	3,908-04	7,726-04	4,405-04
535	5,058-04	3,872-04	2,831-03	4,130-04	7,783-04	4,325-04
540	4,875-04	3,944-04	2,779-03	4,265-04	7,705-04	4,246-04
545	4,655-04	4,017-04	2,774-03	4,405-04	7,719-04	4,168-04
550	4,786-04	4,092-04	2,823-03	4,130-04	7,685-04	4,092-04
555	5,152-04	4,168-04	2,800-03	4,613-04	7,516-04	4,017-04
560	4,875-04	4,207-04	2,774-03	4,698-04	7,379-04	3,944-04
565	5,011-04	4,246-04	2,728-03	4,786-04	7,365-04	3,908-04
570	5,199-04	4,285-04	2,721-03	4,830-04	7,311-04	3,801-04
575	5,754-04	4,265-04	2,777-03	4,875-04	7,244-04	3,732-04
580	5,915-04	4,246-04	2,797-03	4,861-04	7,112-04	3,698-04
585	5,495-04	4,207-04	2,802-03	4,777-04	7,046-04	3,630-04
590	4,875-04	4,199-04	2,754-03	4,570-04	6,982-04	3,564-04
595	5,199-04	4,246-04	2,679-03	4,467-04	6,918-04	3,531-04
600	5,546-04	4,230-04	2,703-03	4,655-04	6,854-04	3,435-04
605	6,137-04	4,207-04	2,698-03	4,875-04	6,729-04	3,404-04
610	6,109-04	4,188-04	2,723-03	4,965-04	6,668-04	3,341-04





\ BS λ \ Sp nm \ V	5361 K1III 4,8	5370 K3III 4,85	5429 K3III 3,57	5430 K4III 4,26	5487 F3IV 3,87	5502 K0III 4,6
320	3,981-05	2,857-05	6,982-05	7,585-05	7,177-04	5,248-04
325	4,655-05	3,019-05	7,585-05	8,165-05	7,311-04	5,199-04
330	5,152-05	3,221-05	8,090-05	9,036-05	7,447-04	5,152-04
335	5,754-05	3,404-05	8,953-05	9,727-05	7,585-04	5,190-04
340	6,251-05	3,531-05	9,727-05	10,28-05	7,695-04	5,233-04
345	6,426-05	3,467-05	1,066-04	1,096-04	7,670-04	5,142-04
350	6,546-05	3,435-05	1,116-04	1,148-04	7,726-04	5,105-04
355	6,837-05	3,837-05	1,191-04	1,168-04	7,705-04	5,068-04
360	8,165-05	4,446-05	1,419-04	1,202-04	7,719-04	5,090-04
365	8,871-05	4,920-05	1,644-04	1,472-04	7,712-04	5,100-04
370	9,638-05	4,875-05	1,674-04	1,614-04	7,748-04	5,123-04
375	9,549-05	4,285-05	1,527-04	1,492-05	7,852-04	5,058-04
380	1,009-04	4,246-05	1,318-04	1,495-05	7,852-04	4,965-04
385	9,462-05	1,224-04	1,472-05	1,437-04	7,852-04	4,920-04
390	8,016-05	5,701-05	1,342-04	1,367-04	7,852-04	4,956-04
395	8,394-05	7,870-05	1,819-04	1,698-05	7,852-04	4,975-04
400	1,116-04	1,202-04	3,767-04	6,137-05	7,852-04	4,875-04
405	1,674-04	1,318-04	4,365-04	1,037-04	7,852-04	4,698-04
410	1,887-04	1,235-04	4,446-04	1,258-04	7,852-04	4,685-04
415	1,887-04	1,202-04	4,353-04	1,674-04	7,852-04	4,613-04
420	1,836-04	1,318-04	4,528-04	1,679-04	7,852-04	4,604-04
425	2,108-04	1,786-04	5,546-04	1,330-03	7,852-04	4,630-04
430	2,118-04	1,737-04	6,081-04	1,342-03	7,852-04	4,528-04
435	2,488-04	1,995-04	6,792-04	1,191-03	7,852-04	4,516-04
440	2,754-04	2,167-04	7,26-04	1,247-03	7,852-04	4,516-04
445	3,047-04	2,466-04	8,472-04	1,306-03	7,852-04	4,405-04
450	3,311-04	2,703-04	9,375-04	1,318-03	7,852-04	4,365-04
455	3,435-04	2,805-04	9,981-04	1,315-03	7,852-04	4,397-04
460	3,630-04	2,937-04	1,037-03	1,306-03	7,852-04	4,413-04
465	3,732-04	2,964-04	1,066-03	1,294-03	7,852-04	4,446-04
470	3,664-04	2,992-04	1,096-03	1,282-03	7,852-04	4,365-04
475	3,597-04	3,191-04	1,137-03	1,235-03	7,852-04	4,285-04
480	3,767-04	3,341-04	1,169-03	1,137-03	7,852-04	4,207-04
485	3,801-04	3,280-04	1,158-03	1,116-03	7,852-04	4,130-04
490	3,698-04	3,274-04	1,161-03	1,148-03	7,852-04	3,981-04
495	3,630-04	3,311-04	1,180-03	1,169-03	7,852-04	3,908-04
500	3,597-04	3,221-04	1,156-03	1,158-03	7,852-04	3,901-04
505	3,564-04	3,162-04	1,134-03	1,148-03	7,852-04	3,897-04
510	3,664-04	3,133-04	1,094-03	1,137-03	7,852-04	3,904-04
515	3,597-04	2,964-04	1,066-03	1,116-03	7,852-04	3,872-04
520	3,564-04	3,162-04	1,173-03	1,106-03	7,852-04	3,837-04
525	3,767-04	3,564-04	1,247-03	1,086-03	7,852-04	3,801-04
530	4,055-04	3,767-04	1,342-03	1,076-03	7,852-04	3,767-04
535	4,246-04	3,872-04	1,393-03	1,066-03	7,852-04	3,756-04
540	4,207-04	3,981-04	1,397-03	1,047-03	7,852-04	3,763-04
545	4,285-04	4,017-04	1,406-03	1,037-03	7,852-04	3,715-04
550	4,405-04	4,092-04	1,432-03	1,028-03	7,852-04	3,698-04
555	4,365-04	4,168-04	1,458-03	1,018-03	7,852-04	3,664-04
560	4,487-04	4,246-04	1,445-03	1,002-03	7,852-04	3,630-04
565	4,528-04	4,325-04	1,419-03	9,908-04	7,852-04	3,584-04
570	4,393-04	4,325-04	1,429-03	9,817-04	7,852-04	3,597-04
575	4,417-04	4,365-04	1,472-03	9,638-04	7,852-04	3,624-04
580	4,446-04	4,405-04	1,499-03	9,549-04	7,852-04	3,644-04
585	4,479-04	4,357-04	1,495-03	9,375-04	7,852-04	3,637-04
590	4,613-04	4,405-04	1,468-03	9,289-04	7,852-04	3,640-04
595	4,570-04	4,487-04	1,470-03	9,120-04	7,852-04	3,590-04
600	4,516-04	4,475-04	1,496-03	9,036-04	7,852-04	3,564-04
605	4,397-04	4,397-04	1,492-03	8,871-04	7,852-04	3,564-04
610	4,325-04	4,361-04	1,469-03	8,629-04	7,852-04	3,531-04







\ BS λ \ Sp nm \ V	5947 K3III 4,15	5953 B0V 2,3	5984 B0V 2,55	5993 B1V 3,97	6018 K0III 4,79	6056 M1III 2,73
320	6.982-05	1.690-02	1.116-02	3.133-03	6.668-05	3.499-03
325	7.655-05	1.614-02	1.047-02	3.019-03	7.177-05	2.910-03
330	8.394-05	1.559-02	1.076-02	2.910-03	7.655-05	2.857-03
335	9.129-05	1.499-02	1.096-02	2.831-03	8.090-05	3.489-03
340	9.871-05	1.445-02	1.066-02	2.754-03	7.798-05	4.017-03
345	10.614-05	1.393-02	9.981-03	2.630-03	8.165-05	4.130-03
350	11.357-05	1.355-02	9.120-03	2.535-03	8.472-05	4.207-03
355	12.100-05	1.294-02	8.394-03	2.443-03	8.953-05	4.195-03
360	12.843-05	1.247-02	7.870-03	2.376-03	8.016-05	4.187-03
365	13.586-05	1.158-02	7.798-03	2.290-03	1.247-04	4.130-03
370	14.329-05	1.096-02	8.016-03	2.187-03	1.874-04	4.479-04
375	15.072-05	1.169-02	7.726-03	2.228-03	9.204-05	4.446-04
380	15.815-05	1.224-02	6.729-03	2.286-03	1.018-04	3.767-03
385	16.558-05	1.221-02	6.194-03	2.488-03	1.803-04	3.732-03
390	17.301-05	1.191-02	6.309-03	2.558-03	1.737-04	3.901-03
395	18.044-05	1.148-02	6.486-03	2.376-03	1.169-04	4.246-03
400	18.787-04	1.096-02	6.729-03	2.208-03	2.089-04	4.570-03
405	19.530-04	9.462-03	6.982-03	2.167-03	2.466-04	4.685-03
410	20.273-04	2.654-04	7.112-03	1.923-03	1.940-03	4.613-03
415	21.016-04	9.264-03	7.177-03	1.940-03	5.807-04	4.055-03
420	21.759-04	9.204-03	6.918-03	1.919-03	2.249-04	3.698-03
425	22.502-04	8.871-03	6.729-03	1.853-03	2.703-04	3.897-04
430	23.245-04	8.472-03	5.861-03	1.770-03	2.398-04	4.157-04
435	23.988-04	7.870-03	5.597-03	1.614-03	3.133-04	4.405-03
440	24.731-04	7.655-03	5.861-03	1.599-03	3.467-04	4.786-03
445	25.474-04	7.311-03	5.649-03	1.609-03	3.981-04	4.285-04
450	26.217-04	6.918-03	5.495-03	1.570-03	4.285-04	4.003-04
455	26.960-04	6.605-03	5.445-03	1.513-03	4.285-04	5.058-03
460	27.703-04	6.309-03	5.395-03	1.458-03	4.405-04	5.152-03
465	28.446-04	6.025-04	5.011-03	1.367-03	4.413-04	5.142-03
470	29.189-04	5.741-03	4.965-03	1.342-03	4.570-04	5.199-03
475	30.000-04	5.457-03	4.830-03	1.318-03	4.830-04	5.105-03
480	30.811-04	5.172-03	4.655-03	1.258-03	4.655-04	5.039-03
485	31.622-04	4.887-03	4.570-03	1.213-03	4.698-04	4.998-03
490	32.433-04	4.602-03	4.528-03	1.210-03	4.742-04	5.007-03
495	33.244-04	4.317-03	4.405-03	1.202-03	4.613-04	5.048-03
500	34.055-04	4.032-03	4.405-03	1.202-03	4.613-04	5.086-03
505	34.866-04	3.747-03	4.207-03	1.169-03	4.528-04	5.095-03
510	35.677-04	3.462-03	3.944-03	1.086-03	4.246-04	5.048-03
515	36.488-04	3.177-04	3.872-03	1.056-03	4.516-04	5.076-03
520	37.299-04	2.892-03	3.837-03	1.037-03	4.786-04	5.105-03
525	38.110-04	2.607-03	3.767-03	1.009-03	4.920-04	5.114-03
530	38.921-04	2.322-03	3.664-03	9.817-04	4.954-04	5.152-03
535	39.732-04	2.037-03	3.630-03	9.638-04	4.965-04	5.142-03
540	40.543-04	1.752-03	3.564-03	9.462-04	4.875-04	5.161-03
545	41.354-04	1.467-03	3.435-03	9.289-04	4.773-04	5.157-03
550	42.165-04	1.182-03	3.341-03	9.036-04	4.446-04	5.171-03
555	42.976-04	0.897-03	3.250-03	8.790-04	4.405-04	5.296-03
560	43.787-04	0.612-03	3.191-03	8.550-04	4.698-04	5.345-03
565	44.598-04	0.327-03	3.133-03	8.394-04	4.777-04	5.395-03
570	45.409-04	0.042-03	2.957-03	8.090-04	4.979-04	5.380-03
575	46.220-04	0.000-03	2.857-03	7.870-04	5.011-04	5.385-03
580	47.031-04	0.000-03	2.805-03	7.655-04	4.906-04	5.345-03
585	47.842-04	0.000-03	2.679-03	7.447-04	4.830-04	5.296-03
590	48.653-04	0.000-03	2.606-03	7.244-04	4.821-04	5.277-03
595	49.464-04	0.000-03	2.511-03	7.046-04	4.812-04	5.248-03
600	50.275-04	0.000-03	2.421-03	6.918-04	4.768-04	5.248-03
605	51.086-04	0.000-03	2.421-03	6.811-04	4.768-04	5.248-03
610	51.897-04	0.000-03	2.421-03	6.714-04	4.768-04	5.248-03











\ BS λ \ Sp nm \ V	6927 F7V 3,56	6973 K3III 3,85	7051/2 A5V: 4,66	7053/4 A5V: 4,6	7059 A5V 5,68	7061 F6V 4,19
320	8,790-04	5,345-05	2,937-04	3,235-04		4,613-04
325	9,120-04	5,546-05	2,964-04	3,250-04	1,282-04	4,786-04
330	9,375-04	5,970-05	2,992-04	3,280-04	1,294-04	5,058-04
335	9,638-04	6,426-05	3,047-04	3,311-04	1,306-04	5,354-04
340	9,817-04	6,606-05	3,104-04	3,357-04	1,318-04	5,642-04
345	1,002-03	7,311-05	3,133-04	3,372-04	1,342-04	5,944-04
350	1,009-03	8,090-05	3,162-04	3,404-04	1,355-04	6,254-04
355	1,006-03	7,870-05	3,191-04	3,435-04	1,367-04	6,574-04
360	1,011-03	7,585-05	3,197-04	3,467-04	1,393-04	6,904-04
365	1,012-03	1,148-04	3,221-04	3,489-04	1,406-04	7,244-04
370	1,008-03	3,311-04	3,311-04	3,630-04	1,485-04	7,594-04
375	1,086-03	9,204-05	3,630-04	3,801-04	1,584-04	8,004-04
380	1,294-03	8,953-05	4,613-04	4,405-04	1,819-04	8,414-04
385	1,355-03	8,241-05	5,011-04	5,011-04	2,032-04	8,726-04
390	1,306-03	9,972-05	5,915-04	5,807-04	2,128-04	9,036-04
395	1,270-03	1,318-04	5,701-04	5,649-04	2,187-04	9,346-04
400	1,393-03	1,706-04	6,137-04	6,137-04	2,630-04	9,656-04
405	1,513-03	2,290-04	6,194-04	6,367-04	3,076-04	9,966-04
410	1,527-03	5,495-04	5,495-04	5,861-04	3,210-04	10,276-04
415	1,524-03	2,598-04	5,970-04	6,309-04	3,104-04	10,586-04
420	1,499-03	2,558-04	6,792-04	7,379-04	3,311-04	10,896-04
425	1,445-03	3,104-04	7,046-04	8,162-04	3,162-04	11,206-04
430	1,367-03	6,309-04	6,309-04	6,606-04	2,884-04	11,516-04
435	1,380-03	4,285-04	5,248-04	5,701-04	2,754-04	11,826-04
440	1,472-03	4,830-04	6,426-04	6,260-04	2,814-04	12,136-04
445	1,555-03	5,649-04	6,409-04	6,729-04	3,104-04	12,446-04
450	1,581-03	6,309-04	6,338-04	7,292-04	3,095-04	12,756-04
455	1,599-03	7,046-04	6,223-04	6,606-04	3,076-04	13,066-04
460	1,596-03	7,311-04	6,109-04	6,546-04	3,019-04	13,376-04
465	1,595-03	7,447-04	6,496-04	6,496-04	3,095-04	13,686-04
470	1,570-03	7,726-04	5,915-04	6,338-04	2,957-04	13,996-04
475	1,541-03	8,016-04	5,834-04	6,194-04	2,910-04	14,306-04
480	1,499-03	8,308-04	5,152-04	5,345-04	2,857-04	14,616-04
485	1,419-03	8,090-04	4,285-04	4,786-04	2,187-04	14,926-04
490	1,432-03	8,317-04	4,365-04	5,152-04	2,290-04	15,236-04
495	1,330-03	8,302-04	5,546-04	6,090-04	2,443-04	15,546-04
500	1,485-03	8,165-04	5,185-04	5,571-04	2,582-04	15,856-04
505	1,481-03	7,987-04	5,128-04	5,495-04	2,535-04	16,166-04
510	1,488-03	7,726-04	5,058-04	5,395-04	2,488-04	16,476-04
515	1,472-03	7,447-04	4,920-04	5,296-04	2,466-04	16,786-04
520	1,458-03	8,241-04	4,786-04	5,176-04	2,421-04	17,096-04
525	1,445-03	8,790-04	4,677-04	5,058-04	2,376-04	17,406-04
530	1,432-03	9,638-04	4,591-04	4,965-04	2,333-04	17,716-04
535	1,419-03	9,972-04	4,508-04	4,830-04	2,280-04	18,026-04
540	1,406-03	1,018-03	4,425-04	4,786-04	2,238-04	18,336-04
545	1,383-03	1,015-03	4,325-04	4,655-04	2,208-04	18,646-04
550	1,380-03	1,021-03	4,246-04	4,613-04	2,147-04	18,956-04
555	1,367-03	1,037-03	4,168-04	4,487-04	2,108-04	19,266-04
560	1,355-03	1,056-03	4,082-04	4,446-04	2,070-04	19,576-04
565	1,342-03	1,076-03	4,017-04	4,365-04	2,041-04	19,886-04
570	1,330-03	1,106-03	3,944-04	4,325-04	2,004-04	20,196-04
575	1,318-03	1,127-03	3,872-04	4,285-04	1,976-04	20,506-04
580	1,315-03	1,158-03	3,819-04	4,207-04	1,940-04	20,816-04
585	1,306-03	1,156-03	3,767-04	4,149-04	1,887-04	21,126-04
590	1,294-03	1,137-03	3,698-04	4,092-04	1,853-04	21,436-04
595	1,282-03	1,213-03	3,630-04	4,017-04	1,811-04	21,746-04
600	1,270-03	1,210-03	3,564-04	3,962-04	1,770-04	22,056-04
605	1,258-03	1,202-03	3,499-04	3,908-04	1,737-04	22,366-04
610	1,247-03	1,200-03	3,435-04	3,854-04	1,706-04	22,676-04

320	\ BS A \ Sp nm \ \	7063 G5II 4,22	7069 A3V 4,35	7133 G4III 4,58	7149 K2III 4,82	7150 K1III 3,51	7176 K2III 4,02	7176 K2III 4,02	7176 K2III 4,02
325		1,137-04	5,011-04	1,367-04	8,165-04	1,028-04	1,056-04	4,786-04	1,472-03
330		1,169-04	5,002-04	1,406-04	1,169-04	1,169-04	1,169-04	4,365-04	1,476-03
335		1,180-04	5,058-04	1,445-04	1,445-04	1,445-04	1,445-04	4,325-04	1,476-03
340		1,202-04	5,048-04	1,472-04	1,445-04	1,445-04	1,445-04	4,285-04	1,477-03
345		1,235-04	5,076-04	1,513-04	1,472-04	1,472-04	1,472-04	4,273-04	1,458-03
350		1,284-04	5,095-04	1,555-04	1,513-04	1,513-04	1,513-04	4,207-04	1,453-03
355		1,224-04	5,119-04	1,584-04	1,584-04	1,584-04	1,584-04	4,269-04	1,456-03
360		1,330-04	5,152-04	1,599-04	1,636-04	1,636-04	1,636-04	4,246-04	1,445-03
365		1,614-04	5,199-04	1,674-04	1,940-04	1,940-04	1,940-04	4,230-04	1,441-03
370		1,674-04	5,395-04	1,905-04	2,009-04	2,009-04	2,009-04	4,168-04	1,432-03
375		1,629-04	6,309-04	2,089-04	2,089-04	2,089-04	2,089-04	4,130-04	1,434-03
380		1,499-04	8,165-04	2,187-04	2,443-04	2,443-04	2,443-04	4,157-04	1,437-03
385		1,584-04	1,018-03	2,128-04	2,884-04	2,884-04	2,884-04	4,122-04	1,419-03
390		1,148-03	1,148-03	2,208-04	3,404-04	3,404-04	3,404-04	4,115-04	1,415-03
395		9,549-04	9,549-04	2,884-04	3,981-04	3,981-04	3,981-04	4,092-04	1,403-03
400		2,312-04	9,981-04	3,630-04	4,920-04	4,920-04	4,920-04	4,055-04	1,404-03
405		2,754-04	1,169-03	3,837-04	5,546-04	5,546-04	5,546-04	4,066-04	1,393-03
410		2,779-04	9,462-04	3,698-04	5,536-04	5,536-04	5,536-04	4,085-04	1,389-03
415		2,805-04	1,003-03	3,564-04	5,199-04	5,199-04	5,199-04	4,077-04	1,380-03
420		3,076-04	1,137-03	3,630-04	5,105-04	5,105-04	5,105-04	4,047-04	1,377-03
425		3,372-04	1,158-03	4,017-04	6,309-04	6,309-04	6,309-04	3,981-04	1,367-03
430		3,531-04	1,047-03	3,908-04	7,112-04	7,112-04	7,112-04	3,908-04	1,362-03
435		3,872-04	9,638-04	4,017-04	7,726-04	7,726-04	7,726-04	3,897-04	1,355-03
440		4,528-04	1,096-03	4,325-04	8,472-04	8,472-04	8,472-04	3,894-04	1,355-03
445		4,920-04	1,066-03	4,920-04	9,289-04	9,289-04	9,289-04	3,884-04	1,342-03
450		5,011-04	1,056-03	5,105-04	1,018-03	1,018-03	1,018-03	3,872-04	1,342-03
455		5,248-04	1,037-03	5,090-04	1,116-03	1,116-03	1,116-03	3,872-04	1,330-03
460		5,395-04	1,009-03	4,920-04	1,086-03	1,086-03	1,086-03	3,872-04	1,324-03
465		5,495-04	9,817-04	4,965-04	1,127-03	1,127-03	1,127-03	3,872-04	1,318-03
470		5,754-04	9,462-04	5,152-04	1,180-03	1,180-03	1,180-03	3,868-04	1,314-03
475		5,861-04	8,953-04	5,248-04	1,213-03	1,213-03	1,213-03	3,868-04	1,306-03
480		5,701-04	7,177-04	5,142-04	1,247-03	1,247-03	1,247-03	3,864-04	1,294-03
485		5,807-04	7,244-04	5,171-04	1,258-03	1,258-03	1,258-03	3,864-04	1,291-03
490		6,137-04	7,726-04	5,233-04	1,253-03	1,253-03	1,253-03	3,864-04	1,282-03
495		6,251-04	8,090-04	5,243-04	1,247-03	1,247-03	1,247-03	3,864-04	1,278-03
500		6,367-04	7,943-04	5,138-04	1,247-03	1,247-03	1,247-03	3,864-04	1,255-03
510		6,350-04	7,726-04	5,105-04	1,202-03	1,202-03	1,202-03	3,864-04	1,247-03
515		6,251-04	7,516-04	5,058-04	1,180-03	1,180-03	1,180-03	3,864-04	1,245-03
520		6,426-04	7,379-04	5,048-04	1,200-03	1,200-03	1,200-03	3,864-04	1,235-03
525		6,668-04	7,244-04	5,133-04	1,386-04	1,386-04	1,386-04	3,864-04	1,235-03
530		6,982-04	7,046-04	5,228-04	1,406-03	1,406-03	1,406-03	3,864-04	1,224-03
535		7,046-04	6,854-04	5,345-04	1,419-03	1,419-03	1,419-03	3,864-04	1,224-03
540		7,033-04	6,729-04	5,365-04	1,406-03	1,406-03	1,406-03	3,864-04	1,221-03
545		7,177-04	6,606-04	5,350-04	1,419-03	1,419-03	1,419-03	3,864-04	1,213-03
550		7,158-04	6,486-04	5,355-04	1,432-03	1,432-03	1,432-03	3,864-04	1,210-03
555		7,191-04	6,367-04	5,335-04	1,416-03	1,416-03	1,416-03	3,864-04	1,202-03
560		7,112-04	6,251-04	5,325-04	1,402-03	1,402-03	1,402-03	3,864-04	1,191-03
565		7,244-04	6,137-04	5,296-04	1,393-03	1,393-03	1,393-03	3,864-04	1,180-03
570		7,379-04	6,046-04	5,248-04	1,390-03	1,390-03	1,390-03	3,864-04	1,169-03
580		7,516-04	5,807-04	5,262-04	1,415-03	1,415-03	1,415-03	3,864-04	1,169-03
585		7,585-04	5,649-04	5,199-04	1,458-03	1,458-03	1,458-03	3,864-04	1,166-03
590		7,516-04	5,546-04	5,147-04	1,472-03	1,472-03	1,472-03	3,864-04	1,158-03
595		7,509-04	5,395-04	5,133-04	1,485-03	1,485-03	1,485-03	3,864-04	1,148-03
600		7,509-04	5,296-04	5,190-04	1,481-03	1,481-03	1,481-03	3,864-04	1,142-03
605		7,447-04	5,152-04	5,090-04	1,484-03	1,484-03	1,484-03	3,864-04	1,137-03
610		7,379-04	5,058-04	5,053-04	1,480-03	1,480-03	1,480-03	3,864-04	1,134-03
			4,920-04		1,488-03		9,790-04		1,127-03



\ BS λ \ Sp nm \ V	7310 G9III 3,07	7328 K0III 3,77	7340 F0IV 3,93	7352 K3III 4,46	7387 F2Ib 4,66	7405 M0III 4,42	7405 M0III 4,42
320	3,341-04	1,644-04	6,367-04	6,367-04	8,016-05	8,016-05	7,311-04
325	3,531-04	1,905-04	6,426-04	6,426-04	8,394-05	8,394-05	6,546-04
330	3,698-04	2,128-04	6,486-04	6,486-04	9,036-05	9,036-05	6,426-04
335	3,944-04	2,070-04	6,546-04	4,207-05	9,817-05	1,721-05	7,177-04
340	4,092-04	2,108-04	6,570-04	4,365-05	1,047-04	2,754-05	8,090-04
345	3,981-04	2,228-04	6,552-04	4,570-05	1,096-04	2,937-05	8,550-04
350	4,017-04	2,398-04	6,558-04	4,742-05	1,148-04	2,606-05	8,709-04
355	4,365-04	2,355-04	6,534-04	4,920-05	1,213-04	2,630-05	8,790-04
360	4,742-04	2,511-04	6,540-04	5,345-05	1,318-04	2,884-05	8,871-04
365	5,248-04	3,435-04	6,576-04	7,244-05	1,555-04	3,630-05	8,629-04
370	5,701-04	3,989-04	6,982-04	7,798-05	1,905-04	3,981-05	8,241-04
375	5,754-04	3,191-04	8,953-04	6,668-05	2,466-04	3,908-05	7,943-04
380	5,546-04	2,805-04	1,098-03	6,367-05	3,311-04	3,872-05	8,016-04
385	5,248-04	2,754-04	1,342-03	6,137-05	4,130-04	4,875-05	8,241-04
390	5,296-04	2,582-04	1,380-03	7,112-05	3,944-04	4,786-05	8,605-04
395	6,668-04	3,981-04	1,318-03	9,289-05	3,499-04	4,246-04	8,953-04
400	9,120-04	5,970-04	1,513-03	9,120-05	4,246-04	9,120-05	9,204-04
405	1,137-03	6,426-04	1,584-03	1,870-04	4,786-04	1,202-04	9,549-04
410	1,148-03	6,309-04	1,445-03	1,436-04	4,875-04	1,247-04	9,120-04
415	1,106-03	6,137-04	1,541-03	1,706-04	4,888-04	1,294-04	8,090-04
420	1,096-03	6,297-04	1,555-03	1,786-04	5,011-04	1,445-04	7,516-04
425	1,158-03	6,729-04	1,553-03	2,187-04	5,058-04	1,584-04	8,016-04
430	1,270-03	7,244-04	1,441-03	2,558-04	4,965-04	1,786-04	8,790-04
435	1,393-03	7,798-04	1,306-03	2,805-04	4,956-04	2,108-04	8,953-04
440	1,513-03	8,317-04	1,406-03	3,191-04	4,984-04	2,654-04	8,790-04
445	1,629-03	8,790-04	1,442-03	3,564-04	5,105-04	3,250-04	9,817-04
450	1,753-03	9,762-04	1,432-03	4,017-04	5,199-04	3,630-04	1,009-03
455	1,836-03	9,908-04	1,419-03	4,405-04	5,296-04	3,908-04	1,028-03
460	1,887-03	1,018-03	1,380-03	4,570-04	5,345-04	4,130-04	1,037-03
465	1,853-03	1,037-03	1,355-03	4,613-04	5,445-04	4,285-04	1,034-03
470	1,850-03	1,056-03	1,318-03	4,655-04	5,340-04	4,246-04	1,026-03
475	1,940-03	1,066-03	1,294-03	4,965-04	5,345-04	4,207-04	1,018-03
480	2,013-03	1,053-03	1,158-03	5,199-04	5,011-04	4,199-04	9,908-04
485	1,995-03	1,037-03	1,158-03	5,105-04	4,570-04	4,487-04	9,790-04
490	1,958-03	1,040-03	1,116-03	5,011-04	4,742-04	4,830-04	9,781-04
495	1,962-03	1,054-03	1,058-03	5,058-04	4,875-04	4,285-04	9,899-04
500	1,995-03	1,052-03	1,155-03	4,920-04	4,998-04	4,821-04	9,981-04
505	2,032-03	1,051-03	1,148-03	4,742-04	5,058-04	4,698-04	1,018-03
510	2,051-03	1,034-03	1,137-03	4,655-04	5,048-04	4,528-04	1,016-03
515	2,026-03	1,009-03	1,116-03	4,487-04	5,035-04	4,487-04	1,025-03
520	2,013-03	1,018-03	1,096-03	4,742-04	5,082-04	4,965-04	1,027-03
525	2,070-03	1,086-03	1,076-03	5,105-04	4,952-04	5,597-04	1,029-03
530	2,108-03	1,127-03	1,066-03	5,701-04	4,975-04	6,251-04	1,024-03
535	2,128-03	1,137-03	1,047-03	5,915-04	5,002-04	6,546-04	1,015-03
540	2,167-03	1,148-03	1,028-03	6,081-04	5,021-04	6,486-04	1,009-03
545	2,187-03	1,158-03	1,009-03	6,098-04	5,058-04	6,194-04	1,005-03
550	2,203-03	1,166-03	9,981-04	6,137-04	5,044-04	6,025-04	1,001-03
555	2,203-03	1,166-03	9,817-04	6,309-04	5,053-04	6,668-04	9,890-04
560	2,212-03	1,158-03	9,638-04	6,426-04	5,035-04	6,854-04	9,817-04
565	2,226-03	1,135-03	9,462-04	6,546-04	5,011-04	6,546-04	9,790-04
570	2,236-03	1,124-03	9,289-04	6,668-04	4,965-04	6,729-04	9,808-04
575	2,249-03	1,136-03	9,036-04	6,729-04	4,920-04	7,311-04	9,908-04
580	2,244-03	1,156-03	8,871-04	6,668-04	4,875-04	7,516-04	1,002-03
585	2,240-03	1,167-03	8,790-04	6,717-04	4,830-04	6,546-04	1,009-03
590	2,228-03	1,165-03	8,629-04	6,792-04	4,786-04	6,426-04	1,015-03
595	2,222-03	1,154-03	8,394-04	6,854-04	4,742-04	7,046-04	1,028-03
600	2,208-03	1,146-03	8,241-04	6,804-04	4,698-04	7,726-04	1,029-03
605	2,203-03	1,142-03	8,090-04	6,918-04	4,655-04	8,165-04	2,511-04
610	2,205-03	1,134-03	7,943-04	6,835-04	4,613-04	8,090-04	2,488-04









320	\ BS	7653	7679	7685	7744	7747	7750	7750
	\ \ Sp	A5V	K2III	K3III	K3III	G3Ib	B9III	B9III
	nm \ \ V	4,63	5,09	4,51	4,52	4,24	4,37	4,37
		2,779-04	4,570-05		3,837-05	9,289-05	6,792-04	4,446-04
325		2,857-04	4,875-05	2,443-05	4,092-05	9,817-05	6,729-04	4,365-04
330		2,910-04	5,152-05	2,992-05	5,152-05	1,037-04	6,668-04	4,246-04
335		2,992-04	5,058-05	3,019-05	5,345-05	1,106-04	6,606-04	4,168-04
340		3,019-04	5,701-05	3,047-05	5,915-05	1,191-04	6,546-04	4,092-04
345		3,076-04	5,597-05	3,221-05	6,426-05	1,247-04	6,486-04	3,981-04
350		3,104-04	6,025-05	3,467-05	6,206-05	1,306-04	6,367-04	3,872-04
360		3,133-04	5,807-05	3,435-05	6,194-05	1,380-04	6,309-04	3,767-04
365		3,162-04	6,918-05	3,872-05	6,982-05	1,584-04	6,137-04	3,250-04
370		3,221-04	8,629-05	5,970-05	7,655-05	1,706-04	6,137-04	3,341-04
375		3,280-04	8,016-05	5,754-05	8,394-05	1,940-04	6,251-04	3,499-04
380		3,341-04	6,486-05	5,105-05	8,472-05	1,923-04	7,447-04	3,404-04
385		3,404-04	6,081-05	4,698-05	8,165-05	1,836-04	9,638-04	3,341-04
390		3,467-04	6,899-05	4,875-05	8,550-05	1,721-04	1,318-03	3,191-04
395		3,528-04	8,317-05	5,546-05	7,870-05	2,070-04	1,224-03	3,133-04
400		3,591-04	1,445-04	9,908-05	1,629-04	2,630-04	1,202-03	3,076-04
405		3,654-04	1,629-04	1,419-04	1,819-04	3,221-04	1,258-03	3,019-04
410		3,717-04	1,584-04	1,432-04	1,786-04	3,435-04	1,137-03	2,964-04
415		3,780-04	1,485-04	1,570-04	1,737-04	3,531-04	1,180-03	2,910-04
420		3,843-04	1,580-04	1,737-04	1,940-04	3,698-04	1,235-03	2,857-04
425		3,906-04	2,032-04	2,147-04	2,032-04	3,872-04	1,202-03	2,805-04
430		3,969-04	1,905-04	2,466-04	2,398-04	4,092-04	1,037-03	2,754-04
435		4,032-04	2,128-04	2,831-04	2,679-04	4,446-04	9,908-04	2,679-04
440		4,095-04	2,355-04	3,162-04	3,019-04	4,786-04	1,086-03	2,606-04
445		4,158-04	2,558-04	3,531-04	3,341-04	5,152-04	1,076-03	2,535-04
450		4,221-04	2,784-04	3,698-04	3,698-04	5,495-04	1,047-03	2,466-04
455		4,284-04	2,805-04	3,981-04	4,017-04	5,915-04	1,018-03	2,398-04
460		4,347-04	2,937-04	4,055-04	4,285-04	6,081-04	9,908-04	2,355-04
465		4,410-04	2,992-04	4,168-04	4,528-04	6,251-04	9,384-04	2,312-04
470		4,473-04	2,945-04	4,405-04	4,446-04	6,426-04	9,462-04	2,269-04
475		4,536-04	3,019-04	4,698-04	4,487-04	6,606-04	9,204-04	2,228-04
480		4,600-04	3,104-04	4,742-04	4,742-04	6,792-04	8,790-04	2,187-04
485		4,663-04	3,047-04	4,729-04	4,698-04	6,729-04	7,516-04	2,147-04
490		4,726-04	2,984-04	4,920-04	4,655-04	6,606-04	7,655-04	2,108-04
495		4,789-04	3,095-04	4,965-04	4,685-04	6,729-04	8,317-04	2,070-04
500		4,852-04	3,014-04	4,906-04	4,742-04	6,729-04	8,090-04	2,032-04
505		4,915-04	2,929-04	4,698-04	4,647-04	6,426-04	7,870-04	2,003-04
510		4,978-04	2,986-04	4,570-04	4,475-04	6,918-04	7,726-04	1,976-04
515		5,041-04	2,831-04	4,446-04	4,325-04	7,046-04	7,516-04	1,940-04
520		5,104-04	2,932-04	4,613-04	4,516-04	6,918-04	7,311-04	1,905-04
525		5,167-04	3,133-04	5,248-04	4,965-04	7,244-04	7,112-04	1,881-04
530		5,230-04	3,311-04	5,701-04	5,445-04	7,311-04	6,918-04	1,853-04
535		5,293-04	3,404-04	5,817-04	5,597-04	7,379-04	6,729-04	1,827-04
540		5,356-04	3,467-04	5,915-04	5,754-04	7,311-04	6,546-04	1,786-04
545		5,419-04	3,531-04	6,025-04	5,743-04	7,284-04	6,309-04	1,753-04
550		5,482-04	3,594-04	6,137-04	5,775-04	7,447-04	6,133-04	1,721-04
555		5,545-04	3,657-04	6,194-04	5,861-04	7,516-04	5,970-04	1,695-04
560		5,608-04	3,720-04	6,126-04	6,025-04	7,585-04	5,861-04	1,660-04
565		5,671-04	3,783-04	6,177-04	6,177-04	7,516-04	5,701-04	1,629-04
570		5,734-04	3,846-04	6,367-04	6,309-04	7,379-04	5,546-04	1,599-04
575		5,797-04	3,909-04	6,546-04	6,486-04	7,447-04	5,445-04	1,570-04
580		5,860-04	3,972-04	6,668-04	6,668-04	7,585-04	5,296-04	1,541-04
585		5,923-04	3,746-04	6,528-04	6,792-04	7,571-04	5,152-04	1,513-04
590		5,986-04	3,801-04	6,486-04	6,426-04	7,447-04	4,965-04	1,499-04
595		6,049-04	4,130-04	6,534-04	6,546-04	7,433-04	4,875-04	1,485-04
600		6,112-04	3,872-04	6,729-04	6,854-04	7,585-04	4,786-04	1,458-04
605		6,175-04	3,981-04	6,792-04	6,835-04	7,564-04	4,698-04	1,432-04
610		6,238-04	3,908-04	6,668-04	6,792-04	7,516-04	4,570-04	1,405-04

\ BS λ \ Sp nm \ V	7754 G9III 3,56	7776 F8V 3,08	7806 K3III 4,42	7850 A5V: 4,21	7851 M2III 5,42	7866 K2Ib 4,6
320						6,426-04
325						6,025-04
330						6,008-04
335						6,251-04
340						6,668-04
345						7,046-04
350						7,379-04
355						7,516-04
360						7,585-04
365						7,655-04
370						7,726-04
375						7,798-04
380						7,870-04
385						7,943-04
390						7,965-04
395						8,016-04
400						8,002-04
405						7,943-04
410						7,870-04
415						7,726-04
420						7,655-04
425						7,585-04
430						7,516-04
435						7,443-04
440						7,379-04
445						7,306-04
450						7,233-04
455						7,160-04
460						7,087-04
465						7,014-04
470						6,941-04
475						6,868-04
480						6,795-04
485						6,722-04
490						6,649-04
495						6,576-04
500						6,503-04
505						6,430-04
510						6,357-04
515						6,284-04
520						6,211-04
525						6,138-04
530						6,065-04
535						5,992-04
540						5,919-04
545						5,846-04
550						5,773-04
555						5,700-04
560						5,627-04
565						5,554-04
570						5,481-04
575						5,408-04
580						5,335-04
585						5,262-04
590						5,189-04
595						5,116-04
600						5,043-04
605						4,970-04
610						4,897-04















320	\ BS A \ Sp nm \ V	8334 A2la 4,28	8335 B3III 4,23	8339 M1III: 5,44	8343 A0V 5,06	8416 M5III 5,28	8413 K4III 4,84	8339 M1III: 5,44	8343 A0V 5,06	8416 M5III 5,28
325		2,488-04	2,013-03	7,447-06	3,597-04	1,342-05	1,342-05	3,047-04	2,466-04	4,786-04
330		2,535-04	1,958-03	8,016-06	3,564-04	1,380-05	1,380-05	2,831-04	2,398-04	4,528-04
335		2,606-04	1,923-03	8,709-06	3,554-04	1,393-05	1,393-05	2,488-04	2,333-04	4,570-04
340		2,679-04	1,870-03	9,204-06	3,531-04	1,499-05	1,499-05	2,754-04	2,269-04	4,742-04
345		2,754-04	1,819-03	1,096-05	3,499-04	1,644-05	1,644-05	2,964-04	2,208-04	4,920-04
350		2,857-04	1,786-03	1,086-05	3,467-04	1,853-05	1,853-05	3,104-04	2,167-04	5,105-04
355		3,019-04	1,721-03	1,180-05	3,404-04	1,995-05	1,995-05	3,221-04	2,089-04	5,095-04
360		3,162-04	1,674-03	1,191-05	3,372-04	2,002-05	2,002-05	3,280-04	1,940-04	5,152-04
365		3,221-04	1,629-03	1,282-05	3,311-04	2,290-05	2,290-05	3,250-04	1,770-04	5,199-04
370		3,311-04	1,570-03	1,659-05	3,326-04	2,249-05	2,249-05	3,280-04	1,836-04	5,248-04
375		4,365-04	1,555-03	1,674-05	3,341-04	3,047-05	3,047-05	3,271-04	1,870-04	5,296-04
380		5,754-04	1,509-03	1,599-05	3,630-04	2,884-05	2,884-05	3,221-04	1,828-04	5,316-04
385		7,447-04	1,803-03	1,721-05	4,965-04	3,133-05	3,133-05	3,499-04	1,803-04	5,306-04
390		7,798-04	1,836-03	1,887-05	5,970-04	2,857-04	2,857-04	3,404-04	1,753-04	5,282-04
395		7,726-04	1,829-03	1,836-05	6,081-04	3,280-05	3,280-05	3,311-04	1,706-04	5,248-04
400		7,516-04	1,753-03	2,290-05	6,109-04	2,910-05	2,910-05	3,435-04	1,659-04	5,228-04
405		7,244-04	1,555-03	3,467-05	7,112-04	2,558-05	2,558-05	3,630-04	1,629-04	5,238-04
410		7,447-04	1,560-03	4,207-05	6,854-04	8,317-05	8,317-05	3,104-04	1,584-04	5,248-04
415		7,244-04	1,570-03	4,487-05	6,367-04	8,550-05	8,550-05	3,614-04	1,541-04	5,152-04
420		7,177-04	1,527-03	4,786-05	6,918-04	8,629-05	8,629-05	3,499-04	1,499-04	5,105-04
425		7,379-04	1,485-03	4,965-05	7,046-04	8,963-05	8,963-05	3,311-04	1,472-04	5,058-04
430		7,358-04	1,419-03	5,597-05	6,854-04	1,086-04	1,086-04	3,404-04	1,445-04	5,076-04
435		7,112-04	1,342-03	7,447-05	6,081-04	1,393-04	1,393-04	3,597-04	1,406-04	5,090-04
440		6,854-04	1,270-03	9,120-05	5,649-04	1,570-04	1,570-04	3,767-04	1,380-04	5,142-04
445		7,046-04	1,282-03	1,009-04	6,194-04	1,786-04	1,786-04	4,017-04	1,342-04	5,199-04
450		7,092-04	1,169-03	1,169-04	6,177-04	2,032-04	2,032-04	4,092-04	1,318-04	5,233-04
455		7,079-04	1,224-03	1,294-04	6,025-04	2,269-04	2,269-04	4,168-04	1,294-04	5,243-04
460		7,027-04	1,191-03	1,419-04	5,861-04	2,728-04	2,728-04	4,149-04	1,258-04	5,257-04
465		7,177-04	1,116-03	1,584-04	5,546-04	2,857-04	2,857-04	4,241-04	1,235-04	5,185-04
470		7,144-04	1,076-03	1,570-04	5,345-04	2,831-04	2,831-04	4,047-04	1,202-04	5,138-04
475		7,158-04	1,047-03	1,614-04	5,152-04	2,849-04	2,849-04	4,130-04	1,180-04	5,095-04
480		7,112-04	1,018-03	1,659-04	4,875-04	3,047-04	3,047-04	4,092-04	1,137-04	5,035-04
485		6,854-04	9,638-04	1,690-04	4,285-04	3,076-04	3,076-04	3,944-04	1,116-04	4,965-04
490		6,792-04	9,036-04	1,819-04	4,325-04	3,104-04	3,104-04	4,025-04	1,076-04	4,613-04
495		6,918-04	9,120-04	1,870-04	4,528-04	3,162-04	3,162-04	4,055-04	1,056-04	4,570-04
500		7,046-04	8,394-04	1,753-04	4,446-04	3,039-04	3,039-04	4,065-04	1,037-04	4,446-04
505		7,099-04	8,953-04	1,737-04	4,365-04	2,992-04	2,992-04	3,908-04	1,018-04	4,446-04
510		7,177-04	8,709-04	1,770-04	4,207-04	2,630-04	2,630-04	3,844-04	1,018-04	4,487-04
515		7,151-04	8,394-04	1,659-04	4,130-04	2,398-04	2,398-04	3,981-04	9,972-05	4,528-04
520		7,085-04	8,165-04	1,706-04	4,017-04	2,187-04	2,187-04	3,811-04	9,817-05	4,558-04
525		7,033-04	7,870-04	1,976-04	3,908-04	3,341-04	3,341-04	4,092-04	9,638-05	4,604-04
530		7,014-04	7,585-04	2,269-04	3,801-04	3,597-04	3,597-04	4,168-04	9,462-05	4,698-04
535		6,962-04	7,379-04	2,466-04	3,698-04	4,017-04	4,017-04	4,153-04	9,375-05	4,786-04
540		6,963-04	7,244-04	2,558-04	3,597-04	4,130-04	4,130-04	4,204-05	9,204-05	4,920-04
545		6,918-04	7,046-04	2,488-04	3,499-04	4,168-04	4,168-04	4,017-04	9,204-05	4,920-04
550		6,854-04	6,854-04	2,511-04	3,404-04	4,207-04	4,207-04	3,995-04	8,953-05	4,764-04
555		6,835-04	6,668-04	2,654-04	3,311-04	4,246-04	4,246-04	3,981-04	8,790-05	4,795-04
560		6,792-04	6,426-04	2,630-04	3,250-04	4,269-04	4,269-04	4,025-04	8,709-05	4,777-04
565		6,729-04	6,251-04	2,647-04	3,191-04	4,325-04	4,325-04	4,032-04	8,550-05	4,768-04
570		6,711-04	6,081-04	2,831-04	3,104-04	4,446-04	4,446-04	4,065-04	8,468-04	4,698-04
575		6,668-04	5,915-04	2,910-04	3,019-04	4,570-04	4,570-04	4,092-04	8,317-05	4,716-04
580		6,606-04	5,807-04	3,019-04	2,937-04	4,742-04	4,742-04	4,130-04	8,241-05	4,781-04
585		6,546-04	5,649-04	2,831-04	2,884-04	4,786-04	4,786-04	4,207-04	8,090-05	4,759-04
590		6,486-04	5,445-04	2,606-04	2,805-04	4,528-04	4,528-04	4,365-04	7,943-05	4,698-04
595		6,426-04	5,345-04	2,728-04	2,728-04	4,655-04	4,655-04	4,405-04	7,870-05	4,742-04
600		6,367-04	5,152-04	2,884-04	2,654-04	4,875-04	4,875-04	4,357-04	7,798-05	4,729-04
605		6,309-04	5,058-04	2,992-04	2,606-04	5,011-04	5,011-04	4,397-04	7,726-05	4,655-04
610		6,286-04	4,920-04	3,076-04	2,535-04	4,965-04	4,965-04			







320	\ BS λ \ Sp nm \ V	8650 G2II-III 2,96	8656 K0III 5,08	8665 F6IV 4,2	8667 G8II-III 3,95	8679 M0III 4,01	8694 K1III 3,5	8694 K1III 3,5	8694 K1III 3,5
325		4,766-04	5,445-05	4,365-04	7,046-05	4,528-05	1,819-04	1,819-04	1,566-03
330		5,296-04	5,495-05	4,487-04	8,953-05	4,875-05	1,923-04	1,923-04	1,550-03
335		5,807-04	5,807-05	4,570-04	1,037-04	5,345-05	2,013-04	2,013-04	1,553-03
340		6,137-04	6,081-05	4,655-04	1,148-04	5,495-05	2,108-04	2,108-04	1,537-03
345		6,367-04	6,251-05	4,786-04	1,270-04	5,199-05	2,167-04	2,167-04	1,538-03
350		6,379-04	6,729-05	4,875-04	1,406-04	4,742-05	2,333-04	2,333-04	1,524-03
355		7,177-04	6,918-05	4,965-04	1,541-04	4,446-05	2,466-04	2,466-04	1,510-03
360		6,668-04	6,717-05	5,058-04	1,419-04	4,285-05	2,654-04	2,654-04	1,506-03
365		6,792-04	8,394-05	5,152-04	1,584-04	4,920-05	2,937-04	2,937-04	1,499-03
370		8,871-04	1,009-04	5,248-04	2,208-04	5,701-05	3,280-04	3,280-04	1,485-03
375		9,482-04	5,345-04	5,345-04	2,167-04	5,248-05	3,499-04	3,499-04	1,472-03
380		8,317-04	9,375-05	5,445-04	1,870-04	4,570-05	3,311-04	3,311-04	1,466-03
385		7,447-04	8,317-05	5,597-04	1,737-04	4,965-05	2,831-04	2,831-04	1,458-03
390		7,870-04	8,165-05	5,701-04	1,706-04	5,546-05	2,857-04	2,857-04	1,445-03
395		9,817-04	9,120-05	5,754-04	2,089-04	5,649-05	3,435-04	3,435-04	1,432-03
400		1,224-03	1,180-04	5,861-04	3,076-04	7,046-05	4,365-04	4,365-04	1,419-03
405		1,489-03	1,584-04	7,244-04	4,130-04	1,018-04	5,970-04	5,970-04	1,406-03
410		1,599-03	1,674-03	7,226-04	4,207-04	1,419-04	7,244-04	7,244-04	1,400-03
415		1,541-03	1,887-04	8,529-04	3,887-04	1,541-04	6,884-04	6,884-04	1,393-03
420		1,644-03	1,786-04	8,650-04	4,786-04	1,905-04	7,046-04	7,046-04	1,380-03
425		1,706-03	2,032-04	7,726-04	5,395-04	2,588-04	8,016-04	8,016-04	1,355-03
430		1,803-03	2,167-04	8,090-04	6,486-04	2,982-04	9,908-04	9,908-04	1,342-03
435		1,905-03	2,398-04	7,177-04	5,970-04	2,703-04	8,871-04	8,871-04	1,330-03
440		2,032-03	2,535-04	7,943-04	6,486-04	2,982-04	9,908-04	9,908-04	1,318-03
445		2,147-03	2,703-04	8,629-04	7,046-04	3,664-04	1,294-03	1,294-03	1,314-03
450		2,249-03	2,805-04	8,790-04	7,585-04	4,446-04	1,180-03	1,180-03	1,306-03
455		2,312-03	2,910-04	8,765-04	8,016-04	4,786-04	1,235-03	1,235-03	1,294-03
460		2,376-03	3,019-04	8,709-04	8,090-04	5,058-04	1,294-03	1,294-03	1,282-03
465		2,398-03	3,067-04	8,613-04	8,394-04	5,199-04	1,282-03	1,282-03	1,270-03
470		2,398-03	3,067-04	8,613-04	8,394-04	5,199-04	1,282-03	1,282-03	1,255-03
475		2,392-03	3,162-04	8,550-04	8,709-04	5,345-04	1,318-03	1,318-03	1,258-03
480		2,407-03	3,250-04	7,943-04	8,953-04	5,248-04	1,330-03	1,330-03	1,247-03
485		2,376-03	3,191-04	7,447-04	8,472-04	5,190-04	1,367-03	1,367-03	1,243-03
490		2,355-03	3,133-04	7,943-04	8,394-04	5,861-04	1,362-03	1,362-03	1,235-03
495		2,333-03	3,162-04	8,241-04	8,871-04	5,970-04	1,365-03	1,365-03	1,224-03
500		2,290-03	3,153-04	8,165-04	9,036-04	5,915-04	1,371-03	1,371-03	1,213-03
505		2,284-03	3,159-04	8,090-04	8,937-04	5,807-04	1,370-03	1,370-03	1,202-03
510		2,312-03	3,147-04	8,016-04	8,790-04	5,754-04	1,355-03	1,355-03	1,191-03
520		2,421-03	3,156-04	7,798-04	8,806-04	5,915-04	1,315-03	1,315-03	1,180-03
525		2,488-03	3,280-04	7,726-04	8,871-04	6,426-04	1,351-03	1,351-03	1,169-03
530		2,535-03	3,372-04	7,655-04	9,011-04	7,447-04	1,432-03	1,432-03	1,158-03
535		2,568-03	3,435-04	7,585-04	9,120-04	8,016-04	1,458-03	1,458-03	1,137-03
540		2,549-03	3,445-04	7,516-04	9,204-04	8,317-04	1,472-03	1,472-03	1,127-03
545		2,563-03	3,467-04	7,447-04	9,289-04	8,550-04	1,499-03	1,499-03	1,116-03
550		2,553-03	3,499-04	7,379-04	9,375-04	8,629-04	1,513-03	1,513-03	1,106-03
555		2,551-03	3,531-04	7,311-04	9,410-04	8,709-04	1,511-03	1,511-03	1,096-03
560		2,535-03	3,499-04	7,244-04	9,462-04	8,665-04	1,541-03	1,541-03	1,086-03
565		2,530-03	3,522-04	7,177-04	9,436-04	8,669-04	1,555-03	1,555-03	1,076-03
570		2,511-03	3,564-04	7,046-04	9,375-04	8,790-04	1,570-03	1,570-03	1,073-03
575		2,488-03	3,557-04	6,982-04	9,358-04	9,375-04	1,541-03	1,541-03	1,066-03
580		2,484-03	3,548-04	6,918-04	9,332-04	9,638-04	1,574-03	1,574-03	1,056-03
585		2,466-03	3,571-04	6,854-04	9,349-04	9,120-04	1,584-03	1,584-03	1,053-03
590		2,470-03	3,561-04	6,792-04	9,366-04	7,870-04	1,590-03	1,590-03	1,047-03
595		2,459-03	3,525-04	6,729-04	9,289-04	8,317-04	1,586-03	1,586-03	1,037-03
600		2,443-03	3,460-04	6,668-04	9,289-04	9,120-04	1,472-03	1,472-03	1,028-03
605		2,421-03	3,426-04	6,606-04	9,255-04	9,120-04	1,568-03	1,568-03	1,018-03
610		2,388-03	3,341-04	6,546-04	9,306-04	1,052-03	1,564-03	1,564-03	















**Table 3.**  
**The Spectral Distributions at the Spectral**  
**Region 320 - 1080 nm**











\BS A \ Sp nm \ V	1122 B5III 3.03	1136 K0IV 3.54	1396 G8III 4.7	1409 K0III 3.54	1412 A7III 3.41
320	5.058-03	3.191-04	7.379-05	1.995-04	8.727-04
325	4.929-03	3.162-04	7.276-05	2.032-04	8.972-04
330	4.446-03	3.182-04	8.394-05	2.108-04	9.617-04
335	4.788-03	3.122-04	8.790-05	2.147-04	1.005-03
340	4.688-04	3.191-04	9.375-05	2.352-04	1.009-03
345	4.405-03	3.280-04	9.289-05	2.314-04	1.018-03
350	4.285-03	3.372-04	9.727-05	2.269-04	1.023-03
355	5.058-04	3.597-04	1.028-04	2.779-04	1.078-03
360	4.092-03	3.981-04	1.056-04	2.535-04	1.144-03
365	3.981-03	4.246-04	1.106-04	3.372-04	1.096-03
370	3.944-03	4.528-04	1.169-04	3.981-04	1.127-03
375	4.875-03	4.365-04	1.180-04	3.467-04	1.145-03
380	5.649-03	3.837-04	1.182-04	3.801-04	1.145-03
385	6.137-03	3.499-04	1.086-04	2.728-04	1.054-03
390	5.345-03	4.353-04	1.380-04	3.664-04	1.127-03
395	5.861-03	5.754-04	2.032-04	3.191-04	1.066-03
400	4.875-03	7.726-04	2.511-04	5.754-04	1.065-03
405	5.546-03	8.317-04	2.630-04	5.959-04	1.047-03
410	4.296-03	1.291-03	2.690-04	7.177-04	1.018-03
415	5.105-03	1.306-03	2.606-04	7.158-04	1.015-03
420	4.875-03	8.348-04	2.558-04	6.932-04	1.012-03
425	4.830-03	1.355-03	2.630-04	6.546-04	1.028-03
430	4.619-03	1.318-03	2.606-04	7.379-04	1.025-03
435	1.224-03	9.120-04	2.984-04	8.394-04	9.817-04
440	1.247-03	9.617-04	3.076-04	9.384-04	9.700-04
445	4.325-03	1.096-03	3.019-04	9.655-04	9.655-04
450	4.055-03	1.158-03	3.687-04	9.345-04	9.808-04
455	1.342-03	1.247-03	3.698-04	1.116-03	9.808-04
460	3.944-03	1.282-03	3.837-04	1.169-03	9.727-04
465	1.341-03	1.306-03	4.055-04	1.202-03	9.638-04
470	3.698-03	1.302-03	4.207-04	1.213-03	9.549-04
475	3.564-03	1.330-03	4.246-04	1.235-03	9.526-04
480	3.347-03	1.367-03	4.207-04	1.282-03	9.375-04
485	3.311-03	1.363-03	4.168-04	1.342-03	9.289-04
490	3.076-03	1.386-03	4.055-04	1.380-03	9.284-04
495	3.104-03	1.423-03	4.285-04	1.529-04	9.160-03
500	2.910-03	1.368-03	4.446-04	1.355-03	9.103-04
505	2.831-03	1.371-03	4.365-04	1.294-03	9.078-04
510	2.754-03	1.390-03	4.405-04	1.282-03	8.963-04
515	1.723-03	1.294-03	4.385-04	1.330-03	8.937-04
520	2.654-03	1.235-03	4.325-04	1.390-03	8.937-04
525	2.684-03	1.213-03	4.246-04	1.235-03	8.871-04
530	2.582-03	1.148-03	4.246-04	1.306-03	8.790-04
535	2.511-03	1.137-03	4.385-04	1.306-03	8.709-04
540	1.135-03	1.330-03	4.570-04	1.406-03	8.629-04
545	1.139-03	1.393-03	4.655-04	1.419-03	8.560-04
550	2.312-03	1.389-03	4.677-04	1.445-03	8.487-04
555	2.249-03	1.116-03	4.786-04	1.441-03	8.394-04
560	2.187-03	1.403-03	4.764-04	1.449-03	8.371-04
565	2.128-03	1.393-03	4.742-04	1.442-03	8.285-04
570	2.070-03	1.390-03	4.698-04	1.440-03	8.211-04
575	2.013-03	1.395-03	4.655-04	1.432-03	8.143-04
580	1.958-03	1.398-03	4.698-04	1.416-03	8.080-04
585	1.905-03	1.419-03	4.786-04	1.421-03	8.016-04
590	1.853-03	1.445-03	4.742-04	1.436-03	7.952-04
595	1.803-03	1.445-03	4.698-04	1.458-03	7.872-04
600	1.737-03	1.432-03	4.655-04	1.428-03	7.804-04
605	1.690-03	1.419-03	4.613-04	1.419-03	7.726-04
610	1.644-03	1.428-03	4.570-04	1.441-03	7.655-04
615	1.599-03	1.430-03	4.528-04	1.429-03	7.585-04
620	1.557-03	1.406-03	4.528-04	1.406-03	7.516-04
625	1.541-03	1.393-03	4.498-04	1.402-03	7.447-04
630	1.499-03	1.389-03	4.698-04	1.393-03	7.379-04
635	1.472-03	1.380-03	4.655-04	1.390-03	7.311-04
640	1.453-03	1.367-03	4.742-04	1.385-03	7.244-04
645	1.406-03	1.355-03	4.613-04	1.403-03	7.177-04
650	1.380-03	1.355-03	4.570-04	1.400-03	7.112-04
655	1.284-03	1.342-03	4.528-04	1.402-03	7.046-04
660	1.254-03	1.318-03	4.487-04	1.399-03	6.982-04
665	1.224-03	1.318-03	4.528-04	1.393-03	6.918-04
670	1.247-03	1.282-03	4.504-04	1.393-03	6.854-04
675	1.224-03	1.270-03	4.456-04	1.404-03	6.792-04
680	1.243-03	1.278-03	4.516-04	1.401-03	6.729-04
685	1.180-03	1.268-03	4.487-04	1.401-03	6.668-04
690	1.148-03	1.258-03	4.405-04	1.389-03	6.606-04
695	1.116-03	1.247-03	4.446-04	1.380-03	6.546-04
700	1.086-03	1.235-03	4.429-04	1.342-03	6.484-04
	1.056-03	1.224-03	4.438-04	1.330-03	6.422-04
	1.018-03	1.213-03	4.405-04	1.318-03	6.360-04
		1.202-03	4.365-04	1.306-03	6.298-04





















\BS nm\V	5291 A0III 3.65	5340 K2III -0.05	5404 F7V 4.06	54778 A2III 3.78	5531 A3V 2.75	5544 G8V 4.59
320	1.355-03	2.443-03	4.698-04	8.709-04	2.013-03	1.555-04
325	1.318-03	2.443-03	4.675-04	8.790-04	2.032-03	1.614-04
330	1.306-03	2.594-03	5.058-04	8.790-04	2.026-03	1.485-04
335	1.270-03	3.250-03	5.296-04	8.671-04	2.051-03	1.793-04
340	1.258-03	3.630-03	5.445-04	8.970-04	2.043-03	1.836-04
345	1.235-03	3.801-03	5.546-04	8.953-04	2.073-03	1.923-04
350	1.224-03	4.130-03	5.649-04	8.912-04	2.073-03	1.995-04
355	1.202-03	4.446-03	5.754-04	8.871-04	2.089-03	2.147-04
360	1.180-03	4.698-03	5.861-04	8.847-04	2.108-03	2.249-04
365	1.158-03	4.983-03	6.011-04	8.824-04	2.147-03	2.398-04
370	1.235-03	6.199-03	6.315-04	9.375-04	2.167-03	2.509-04
375	1.581-03	6.304-03	6.546-04	1.056-03	2.174-03	2.528-04
380	2.269-03	5.345-03	6.918-04	1.247-03	3.630-03	2.507-04
385	2.606-03	4.786-03	7.311-04	1.445-03	4.238-02	2.128-04
390	2.894-03	4.875-03	7.717-04	1.581-03	4.655-03	1.995-04
395	2.964-03	6.918-03	8.147-04	1.706-03	4.742-03	2.290-04
400	2.884-03	1.066-02	8.394-04	2.032-03	5.058-03	2.910-04
405	2.703-03	1.318-02	9.482-04	2.355-03	4.742-03	4.655-04
410	2.355-03	1.499-02	9.497-04	1.803-03	3.981-04	3.981-04
415	1.513-02	1.905-03	1.009-03	1.905-03	4.920-03	3.901-04
420	2.486-03	1.485-02	1.098-03	2.128-03	4.055-04	4.468-04
425	2.595-03	1.674-02	1.008-04	2.070-03	4.628-03	3.908-04
430	1.167-03	1.905-02	9.204-04	1.958-03	4.055-03	3.767-04
435	2.091-03	2.108-02	9.289-04	1.465-03	4.043-03	3.908-04
440	2.187-03	2.280-02	9.972-04	1.619-03	4.528-03	4.325-04
445	2.228-03	2.511-02	1.037-03	1.837-03	4.613-03	4.246-04
450	2.147-03	1.056-03	1.056-03	1.836-03	4.528-03	3.981-04
455	2.108-03	1.047-03	1.047-03	1.786-03	4.446-03	3.221-04
460	2.032-03	1.044-03	1.044-03	1.737-03	4.365-03	3.872-02
465	1.162-02	1.037-03	1.037-03	1.690-03	4.246-03	3.801-02
470	1.905-03	3.250-02	1.018-03	1.629-03	3.767-02	3.076-04
475	1.853-03	3.372-02	9.908-04	1.599-03	3.897-02	3.909-04
480	1.786-03	3.435-02	9.549-04	1.541-03	3.794-02	3.794-02
485	1.513-03	3.429-02	8.317-04	1.116-03	3.830-02	3.872-04
490	1.527-03	3.467-02	9.638-04	1.318-03	3.531-03	3.850-04
495	1.629-03	3.404-02	9.727-04	1.406-03	3.822-02	2.606-04
500	1.614-03	3.341-02	9.638-04	1.355-03	3.791-02	3.732-04
505	1.555-03	3.250-02	9.549-04	1.390-03	3.798-02	2.582-04
510	1.513-03	3.191-02	9.462-04	1.294-03	3.784-02	2.558-04
515	1.472-03	3.162-02	9.289-04	1.258-03	3.787-02	2.488-04
520	1.419-03	3.434-02	9.204-04	1.235-03	3.664-02	2.443-04
525	1.380-03	3.684-02	9.170-04	1.235-03	3.674-02	2.398-04
530	1.342-03	3.988-02	9.120-04	1.213-03	3.732-02	2.376-04
535	1.294-03	3.981-02	9.036-04	1.148-03	3.688-02	2.355-04
540	1.270-03	4.055-02	9.019-04	1.148-03	3.630-02	2.312-04
545	1.235-03	4.082-02	8.953-04	1.096-03	3.571-04	2.311-04
550	1.202-03	4.168-02	8.790-04	1.066-03	3.499-02	2.280-04
555	1.169-03	4.207-02	8.709-04	1.047-03	3.469-02	2.250-04
560	1.148-03	4.222-02	8.629-04	1.018-03	3.467-02	2.162-04
565	1.127-03	4.246-02	8.472-04	9.908-04	3.458-02	2.104-04
570	1.096-03	4.325-02	8.394-04	9.638-04	3.341-02	2.076-04
575	1.066-03	4.365-02	8.317-04	9.375-04	3.311-02	2.047-04
580	1.047-03	4.405-02	8.241-04	9.204-04	3.332-02	1.992-04
585	1.009-03	4.413-02	8.090-04	8.953-04	3.305-02	1.864-04
590	9.908-04	4.446-02	8.016-04	8.709-04	3.372-02	1.829-04
595	9.727-04	4.434-02	7.870-04	8.472-04	3.305-02	1.694-04
600	9.375-04	4.397-02	7.798-04	8.317-04	3.323-02	1.591-04
605	9.120-04	4.385-02	7.726-04	8.165-04	3.341-02	1.484-04
610	8.871-04	4.325-02	7.655-04	7.943-04	3.348-02	1.348-04
615	8.709-04	4.285-02	7.585-04	7.798-04	3.366-02	1.281-04
620	8.472-04	4.234-02	7.447-04	7.655-04	3.335-02	1.205-04
625	8.241-04	4.199-02	7.379-04	7.447-04	3.302-02	1.176-04
630	8.080-04	4.285-02	7.244-04	7.311-04	3.351-02	1.103-04
635	7.943-04	4.359-02	7.177-04	7.172-04	3.306-02	1.020-04
640	7.798-04	4.401-02	7.112-04	6.982-04	3.306-02	0.930-04
645	7.516-04	4.429-02	6.982-04	6.792-04	3.280-02	0.848-04
650	7.379-04	4.453-02	6.818-04	6.686-04	3.261-02	0.768-04
655	6.426-04	4.442-02	6.654-04	6.486-04	3.221-02	0.685-04
660	6.496-04	4.458-02	6.367-04	6.307-04	3.162-02	0.604-04
665	6.854-04	4.487-02	6.546-04	6.309-04	3.150-02	0.520-04
670	6.729-04	4.438-02	6.546-04	6.194-04	3.104-02	0.443-04
675	6.606-04	4.450-02	6.426-04	6.025-04	3.076-02	0.368-04
680	6.486-04	4.454-02	6.426-04	5.861-04	3.067-02	0.298-04
685	6.309-04	4.479-02	6.254-04	5.694-04	3.061-02	0.236-04
690	6.194-04	4.405-02	6.194-04	5.549-04	3.019-02	0.170-04
695	6.081-04	4.317-02	6.137-04	5.445-04	2.984-02	0.109-04
700	5.915-04	4.277-02	5.945-04	5.345-04	2.912-02	0.049-04













Table with 10 columns: wavelength (nm), polarizations (A0V, B0V, G2II, A5III, F0V, K3II), flux densities (mJy), and other identifiers (6484/5, 6536, 6418, 6568, 6661, 6656, 6536, 6484/5, 6536, 6418, 6568, 6661, 6656, 6536, 6418, 6568, 6661, 6656).

\BS A\Sp nm\V	6623 G5IV 3,41	6629 A0V 3,73	6698 K0III 3,34	6703 K0III 3,7	6771 A4V 3,73	6771 AAV 3,73	6771 AAV 3,73
320	3,908-04	1,009-03	1,202-04	1,202-03	8,871-04	1,202-03	5,937-04
325	2,443-04	9,981-04	1,905-04	1,181-03	8,790-04	1,181-03	5,987-04
330	2,608-04	9,988-04	2,280-04	1,180-03	8,749-04	1,180-03	6,081-04
335	2,468-04	9,727-04	2,388-04	1,180-03	8,709-04	1,180-03	5,982-04
340	2,910-04	9,638-04	2,355-04	1,137-03	8,669-04	1,137-03	5,984-04
345	2,679-04	9,599-04	2,582-04	1,127-03	8,629-04	1,127-03	5,984-04
350	2,992-04	9,523-04	2,606-04	1,116-03	8,590-04	1,116-03	5,987-04
355	3,133-04	9,483-04	2,811-04	1,096-03	8,550-04	1,096-03	5,985-04
360	2,910-04	9,375-04	2,630-04	1,076-03	8,510-04	1,076-03	5,985-04
365	3,801-04	9,375-04	3,162-04	1,076-03	8,470-04	1,076-03	5,248-04
370	4,698-04	9,638-04	3,467-04	1,047-03	8,430-04	1,047-03	5,248-04
375	4,130-04	9,638-04	3,837-04	1,037-03	8,390-04	1,037-03	5,668-04
380	6,982-04	9,375-04	3,564-04	1,028-03	8,350-04	1,028-03	5,668-04
385	6,918-04	1,527-03	3,801-04	1,018-03	8,310-04	1,018-03	4,852-04
390	6,309-04	1,803-03	3,133-04	1,015-03	8,270-04	1,015-03	4,852-04
395	4,655-04	1,786-03	3,467-04	1,009-03	8,230-04	1,009-03	4,655-04
400	5,516-04	2,228-03	3,872-04	9,981-04	8,190-04	9,981-04	4,570-04
405	8,317-04	2,312-03	5,754-04	2,559-03	8,150-04	2,559-03	4,466-04
410	9,981-04	2,089-03	6,668-04	2,083-03	8,110-04	2,083-03	4,354-04
415	1,037-03	1,905-03	7,655-04	9,727-04	8,070-04	9,727-04	4,285-04
420	1,127-03	8,394-04	6,918-04	9,708-04	8,030-04	9,708-04	4,307-04
425	1,106-03	2,249-03	8,317-04	9,638-04	7,990-04	9,638-04	4,307-04
430	1,127-03	2,167-03	9,036-04	9,549-04	7,950-04	9,549-04	4,017-04
435	1,106-03	1,905-03	9,638-04	9,276-03	7,910-04	9,276-03	3,944-04
440	1,104-03	1,947-03	1,047-03	9,375-04	7,870-04	9,375-04	3,944-04
445	1,180-03	1,721-03	1,047-03	9,204-04	7,830-04	9,204-04	3,872-04
450	1,958-03	1,213-03	9,599-04	9,036-04	7,790-04	9,036-04	3,819-04
455	1,836-03	1,958-03	1,213-03	8,953-04	7,750-04	8,953-04	3,784-04
460	2,289-03	1,923-03	1,047-03	8,871-04	7,710-04	8,871-04	3,688-04
465	2,263-03	1,870-03	1,066-04	8,789-04	7,670-04	8,789-04	3,688-04
470	1,513-03	1,819-03	1,106-03	8,709-04	7,630-04	8,709-04	3,630-04
475	1,509-03	1,472-03	1,432-03	8,650-04	7,590-04	8,650-04	3,584-04
480	1,499-03	1,737-03	1,173-03	8,570-04	7,550-04	8,570-04	3,499-04
485	2,098-03	1,690-03	1,499-03	8,490-04	7,510-04	8,490-04	3,467-04
490	1,502-03	1,659-03	1,527-03	8,410-04	7,470-04	8,410-04	3,467-04
495	2,511-03	1,614-03	1,523-03	8,330-04	7,430-04	8,330-04	3,404-04
500	2,443-03	1,580-03	1,513-03	8,250-04	7,390-04	8,250-04	3,372-04
505	2,466-03	1,485-03	1,495-03	8,170-04	7,350-04	8,170-04	3,311-04
510	3,393-03	1,445-03	1,485-03	8,090-04	7,310-04	8,090-04	3,280-04
515	2,282-03	1,441-03	1,441-03	8,010-04	7,270-04	8,010-04	3,250-04
520	2,355-03	1,367-03	1,586-03	7,930-04	7,230-04	7,930-04	3,221-04
525	2,511-03	1,342-03	1,429-03	7,850-04	7,190-04	7,850-04	3,191-04
530	1,499-03	1,294-03	1,469-03	7,770-04	7,150-04	7,770-04	3,162-04
535	2,679-03	1,258-03	1,541-03	7,690-04	7,110-04	7,690-04	3,133-04
540	2,779-03	1,594-03	1,594-03	7,610-04	7,070-04	7,610-04	3,104-04
545	2,805-03	1,644-03	1,644-03	7,530-04	7,030-04	7,530-04	3,075-04
550	2,774-03	1,599-03	1,639-03	7,450-04	7,000-04	7,450-04	3,046-04
555	2,800-03	1,512-03	1,647-03	7,370-04	6,960-04	7,370-04	3,017-04
560	2,831-03	1,499-03	1,674-03	7,290-04	6,920-04	7,290-04	2,988-04
565	2,857-03	1,086-03	1,670-03	7,210-03	6,880-04	7,210-03	2,959-04
570	2,910-03	1,056-03	1,667-03	7,130-03	6,840-04	7,130-03	2,930-04
575	2,964-03	1,028-03	1,663-03	7,050-03	6,800-04	7,050-03	2,901-04
580	2,992-03	1,009-03	1,656-03	6,970-03	6,760-04	6,970-03	2,872-04
585	3,019-03	9,817-04	1,662-03	6,890-03	6,720-04	6,890-03	2,843-04
590	2,937-03	9,375-04	1,690-03	6,810-03	6,680-04	6,810-03	2,814-04
595	2,986-03	9,120-04	1,706-03	6,730-03	6,640-04	6,730-03	2,785-04
600	2,981-03	8,871-04	1,701-03	6,650-03	6,600-04	6,650-03	2,756-04
605	2,993-03	8,629-04	1,685-03	6,570-03	6,560-04	6,570-03	2,727-04
610	2,920-03	8,394-04	1,744-03	6,490-03	6,520-04	6,490-03	2,698-04
615	2,905-03	8,241-04	1,644-03	6,410-03	6,480-04	6,410-03	2,669-04
620	2,849-03	8,016-04	1,641-03	6,330-03	6,440-04	6,330-03	2,640-04
625	2,826-03	7,870-04	1,638-03	6,250-03	6,400-04	6,250-03	2,611-04
630	2,886-03	7,728-04	1,636-03	6,170-03	6,360-04	6,170-03	2,582-04
635	2,864-03	7,516-04	1,629-03	6,090-03	6,320-04	6,090-03	2,553-04
640	2,884-03	7,311-04	1,614-03	6,010-03	6,280-04	6,010-03	2,524-04
645	2,844-03	7,177-04	1,599-03	5,930-03	6,240-04	5,930-03	2,495-04
650	2,823-03	6,854-04	1,584-03	5,850-03	6,200-04	5,850-03	2,466-04
655	2,839-03	6,515-04	1,596-03	5,770-03	6,160-04	5,770-03	2,437-04
660	2,847-03	6,251-04	1,611-03	5,690-03	6,120-04	5,690-03	2,408-04
665	2,878-03	6,046-04	1,626-03	5,610-03	6,080-04	5,610-03	2,379-04
670	2,908-03	5,846-04	1,639-03	5,530-03	6,040-04	5,530-03	2,350-04
675	2,902-03	5,646-04	1,653-03	5,450-03	6,000-04	5,450-03	2,321-04
680	2,876-03	5,446-04	1,669-03	5,370-03	5,960-04	5,370-03	2,292-04
685	2,857-03	5,246-04	1,642-03	5,290-03	5,920-04	5,290-03	2,263-04
690	2,805-03	5,137-04	1,624-03	5,210-03	5,880-04	5,210-03	2,234-04
695	2,779-03	5,025-04	1,606-03	5,130-03	5,840-04	5,130-03	2,205-04
700	2,754-03	4,913-03	1,551-03	5,050-03	5,800-04	5,050-03	2,176-04



















\BS A\Sp nm\ \	9071 BIV 4.88	9072 F4IV 4.02	9089 M3IV 4.41	9071 BIV 4.88	9072 F4IV 4.02	9089 M3IV 4.41
320	1,306-03	5,058-04	1,786-05	1,770-04	5,915-04	1,258-03
325	5,248-04	1,721-05	1,721-05	1,721-04	5,881-04	1,086-03
330	1,238-03	5,288-04	1,689-05	1,680-04	5,734-04	8,871-04
335	5,546-04	1,599-05	1,599-05	1,644-04	5,701-04	1,086-03
340	1,191-03	5,649-04	1,629-05	1,614-04	5,649-04	1,258-03
345	1,148-03	5,754-04	1,819-05	1,570-04	5,597-04	1,458-03
350	1,116-03	5,861-04	1,887-05	1,527-04	5,485-04	1,629-03
355	1,076-03	5,970-04	2,187-05	1,485-04	5,385-04	1,770-03
360	1,037-03	6,025-04	2,376-05	1,468-04	5,286-04	1,836-03
365	1,009-03	6,137-04	2,564-05	1,406-04	5,199-04	1,853-03
370	9,727-04	6,309-04	2,964-05	1,380-04	5,152-04	1,848-03
375	9,638-04	7,379-04	3,564-05	1,342-04	5,068-04	1,737-03
380	1,009-03	9,120-04	3,981-05	1,318-04	4,985-04	1,541-03
385	1,056-03	1,076-03	4,017-05	1,282-04	4,920-04	1,489-03
390	1,052-03	1,148-03	3,908-05	1,258-04	4,830-04	1,537-03
395	9,981-04	1,037-03	4,168-05	1,224-04	4,768-04	1,629-03
400	9,462-04	1,106-03	7,244-05	1,202-04	4,698-04	1,690-03
405	8,629-04	1,146-03	9,817-05	1,185-04	4,655-04	1,803-03
410	8,016-04	1,116-03	1,116-04	1,169-04	4,613-04	1,836-03
415	8,472-04	1,116-03	1,202-04	1,148-04	4,570-04	1,841-03
420	8,317-04	1,148-03	1,213-04	1,127-04	4,528-04	1,853-03
425	7,798-04	1,127-03	1,342-04	1,106-04	4,446-04	1,905-03
430	7,379-04	1,096-03	1,680-04	1,086-04	4,405-04	1,940-03
435	7,112-04	1,047-03	2,128-04	1,047-04	4,325-04	1,976-03
440	7,046-04	1,076-03	2,249-04	1,028-04	4,285-04	1,976-03
445	6,982-04	1,127-03	2,488-04	1,009-04	4,207-04	1,995-03
450	6,854-04	1,158-03	2,779-04	9,817-05	4,168-04	1,958-03
455	6,606-04	1,156-03	3,019-04	9,638-05	4,092-04	1,923-03
460	6,496-04	1,148-03	3,280-04	9,462-05	4,017-04	1,870-03
465	6,367-04	1,144-03	3,499-04	9,289-05	3,944-04	1,836-03
470	6,194-04	1,127-03	3,630-04	9,036-05	3,908-04	1,833-03
475	5,970-04	1,116-03	3,531-04	8,871-05	3,837-04	1,870-03
480	5,881-04	1,096-03	3,221-04	8,709-05	3,767-04	1,940-03
485	5,649-04	1,018-03	3,564-04	8,550-05	3,732-04	1,985-03
490	5,445-04	9,638-04	4,613-04	8,394-05	3,698-04	2,070-03
495	5,546-04	9,817-04	4,365-04	8,241-05	3,630-04	2,108-03
500	5,395-04	9,980-04	3,872-04	8,090-05	3,597-04	2,147-03
505	5,296-04	9,972-04	4,325-04	7,943-05	3,564-04	2,167-03
510	5,058-04	9,817-04	5,105-04	7,798-05	3,469-04	2,187-03
515	4,920-04	9,727-04	5,011-04	7,655-05	3,467-04	2,187-03
520	4,796-04	9,549-04	4,246-04	7,516-05	3,405-04	2,208-03
525	4,613-04	9,375-04	5,248-04	7,311-05	3,304-04	
530	4,487-04	9,204-04	6,081-04	7,177-05	3,372-04	
535	4,405-04	9,120-04	6,688-04	7,046-05	3,341-04	
540	4,285-04	9,036-04	6,752-04	6,920-04	3,311-04	
545	4,168-04	8,953-04	6,729-04	6,800-04	3,280-04	
550	4,082-04	8,790-04	6,486-04	6,686-04	3,250-04	
555	3,981-04	8,709-04	6,194-04	6,574-04	3,221-04	
560	3,872-04	8,629-04	5,881-04	6,462-04	3,192-04	
565	3,767-04	8,550-04	5,807-04	6,350-04	3,162-04	
570	3,664-04	8,394-04	6,546-04	6,238-04	3,133-04	
575	3,564-04	8,317-04	7,112-04	6,126-04	3,104-04	
580	3,467-04	8,241-04	6,309-04	6,014-04	3,076-04	
585	3,372-04	8,090-04	6,309-04	5,902-04	3,047-04	
590	3,250-04	7,943-04	5,058-04	5,790-04	3,019-04	
595	3,162-04	7,870-04	5,597-04	5,678-04	2,991-04	
600	3,104-04	7,726-04	6,606-04	5,566-04	2,962-04	
605	3,019-04	7,655-04	7,943-04	5,454-04	2,933-04	
610	2,937-04	7,585-04	8,550-04	5,342-04	2,904-04	
615	2,857-04	7,516-04	7,595-04	5,230-04	2,875-04	
620	2,779-04	7,447-04	5,754-04	5,118-04	2,846-04	
625	2,703-04	7,311-04	5,236-04	5,006-04	2,817-04	
630	2,630-04	7,244-04	6,918-04	4,894-04	2,788-04	
635	2,558-04	7,177-04	6,629-04	4,782-04	2,759-04	
640	2,511-04	7,096-04	9,462-04	4,670-04	2,730-04	
645	2,443-04	6,854-04	1,009-03	4,558-04	2,701-04	
650	2,385-04	6,546-04	1,018-03	4,446-04	2,672-04	
655	2,128-04	6,309-04	9,972-04	4,334-04	2,643-04	
660	4,496-04	6,496-04	9,462-04	4,222-04	2,614-04	
665	6,606-04	6,606-04	8,629-04	4,110-04	2,585-04	
670	2,147-04	6,546-04	7,798-04	4,000-04	2,556-04	
675	6,486-04	6,486-04	8,016-04	3,888-04	2,527-04	
680	2,013-04	6,426-04	9,375-04	3,776-04	2,498-04	
685	6,309-04	1,066-03	1,066-03	3,664-04	2,469-04	
690	1,976-04	6,309-04	1,180-03	3,552-04	2,440-04	
695	1,923-04	6,194-04	1,294-03	3,440-04	2,411-04	
700	1,803-04	6,025-04	1,355-03	3,328-04	2,382-04	

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