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OF

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HARLOW SHAPLEY, DIRECTOR

VOLUME 100

THE HENRY DRAPER EXTENSION

BY

ANNIE J. CANNON

CAMBRIDGE, MASS.
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PREFACE

WITH the publication in 1924 of the ninth and last volume of the Henry Draper Catalogue, the general survey of the spectra of 225,300 bright stars was completed. The need of information on the spectra of fainter stars in special regions, such as the Milky Way and several Gesellschaft zones, led to the supplementary work of the Henry Draper Extension included in this volume. Throughout its preparation Miss Cannon has been ably assisted by Mrs. Margaret Walton Mayall.

The general plan of the Henry Draper Extension was outlined in Harvard Circular 278 (1928), and the results collected in the first number of the present volume were also discussed. I pointed out that the new survey extends the Henry Draper Catalogue by two magnitudes in the northern hemisphere, and that in both the Henry Draper Catalogue and in this Extension stars of spectral class M are successfully classified half a magnitude fainter than the earlier types.

A summary of the contents of the present volume is given by Miss Cannon in the introduction to the first instalment of the Henry Draper Extension Charts, which will appear in Harvard Annals 105 and will represent a further development in the publication of the spectra of faint stars.

The regions of the sky for which classifications appear herein are as follows:

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ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100. NO. 1.

THE HENRY DRAPER EXTENSION

BY ANNIE J. CANNON

Four thousand spectra which have been classified for the first instalment of the Extension appear on a plate taken with the 10-inch Metcalf telescope at Arequipa on September 7, 1923. The approximate center of the plate is 20^h, $+37°$, and the area covered is eighty-three square degrees. The Henry Draper Catalogue contains 514 stars in this area.

The photographic magnitudes are based on the International Scale, using the sequences 39 K, 8 Ks, WX Cygni, χ Cygni, and Astrographic 20^h $+31°.5$. The measures were made by Miss Harvia Wilson, while holding a Pickering Fellowship. Twenty-five stars in each hundred were also measured independently by Miss Margaret Walton.

Stars contained in the Bonn Durchmusterung were identified and their positions reduced to 1900. For other stars, the 1900 positions were obtained from the Potsdam Astrographic Catalogue, except north of $+40°$ where positions were measured on photographs.

Narrow lines were recorded for the stars whose numbers are H.D. 225767, 226481, 226593, 226727, 227142, 227326, 227390, 227531, 227588, 227626, 227634, 227911, 227951, 227991, 228153, 228293, 228314, 228345, 228360, 228412, 228616, 228716, 228802, 228991. Broad lines were observed in the spectra of H.D. 228078, 228518, 228679, and wide or peculiar lines, apparently due to duplicity, in H.D. 225969, 226787, 226818, 226870, and 226878. The spectra of the following stars show evidence more or less marked of being of a composite type: H.D. 226489, 226780, 226959, 227806, 227939, 227984, 228763, and 229030. H.D. 227739 and 229063 contain peculiarly strong dark lines and are suspected of being dwarf stars. The double line 4128, 4131 is strong in H.D. 227228; line 4077 is strong in H.D. 227301; and several strong lines were noted between Hβ and Hγ in H.D. 228367. H.D. 227457, 227463, and 228545 are the variables WW Cygni, CD Cygni and VW Cygni, respectively.

An outline of the plan of the Henry Draper Extension and a discussion of the first results appear in Harvard Circular 278.

MAY 1, 1925

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225300 — $19^h35.4$ to $19^h39^m.4$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3429	35.4	+41 15	11.3	K7	3557	37.1	+33 58	11.1	K5	3562	37.8	+37 35	10.3	Go	..	38.8	+36 57	11.2	Go
2	3820	35.4	+40 14	11.3	K7	3556	37.1	+33 43	9.9	K2	3750	37.8	+35 35	9.3	Ao	3672	38.8	+34 15	10.9	A2
3	3822	35.6	+40 8	11.0	K7	3444	37.2	+41 24	9.5	A	3749	37.8	+35 28	10.3	K2	..	38.9	+41 12	10.5	A3
4	3432	35.7	+41 16	10.8	K5	*3838*	37.2	+41 2	9.5	Ko	3748	37.8	+35 15	10.0	G5	3851	38.9	+40 37	10.6	Ko
5	3433	35.8	+41 39	9.5	K7	*3839*	37.2	+41 3			3666	37.8	+34 59	10.8	A3	3575	38.9	+37 40	10.4	K5
6	..	35.9	+37 53	10.9	A	..	37.2	+38 34	11.3	G	..	37.8	+33 22	11.1	K8	..	38.9	+36 57	11.4	A
7	3827	36.0	+40 20	11.2	K5	3704	37.2	+38 14	10.8	Ao	3563	37.8	+33 10	10.5	A2	3758	38.9	+35 59	10.5	K7
8	3550	36.0	+37 40	10.2	A5	..	37.2	+34 37	10.9	A	3450	37.9	+41 11	11.5	M	3757	38.9	+35 23	9.3	Ko
9	3438	36.2	+41 24	10.6	K2	3662	37.2	+34 36	10.5	K8	3845	37.9	+40 44	9.9	Ko	..	38.9	+34 23	10.8	Ao
10	3861	36.2	+39 26	11.4	K5	3661	37.2	+34 10	9.2	Ao	3844	37.9	+40 9	9.3	Ao	..	38.9	+33 56	11.9	K8
11	*3553*	36.2	+38 2	10.9	K2	..	37.2	+33 8	11.1	K5	3712	37.9	+38 55	9.6	G5	3566	38.9	+33 21	10.4	Ao
12	3828	36.3	+40 18	10.8	Ko	3445	37.3	+41 14	9.5	A	..	37.9	+35 23	10.2	Ao	3567	38.9	+33 11	10.3	Ao
13	3440	36.4	+41 44	10.1	K2	3840	37.3	+40 48	9.8	A5	..	38.0	+36 32	11.3	A5	3852	39.0	+40 15	9.1	A2
14	..	36.4	+39 45	9.3	A7	*3870*	37.3	+40 4	9.4	Fo	3667	38.0	+34 26	9.1	Ao	..	39.0	+39 55	11.3	K8
15	3862	36.4	+39 41	10.0	Fo	*3871*	37.3	+40 4	9.4	Ao	..	38.1	+34 42	11.3	K	..	39.0	+39 11	11.8	Ko
16	..	36.4	+39 2	11.2	G	..	37.3	+36 46	11.3	A	*3715*	38.2	+39 5	12.0	M	3718	39.0	+38 58	10.9	G
17	..	36.5	+39 44	10.4	G5	3662	37.3	+36 36	10.6	Ao	3714	38.2	+38 56	10.8	K2	..	39.0	+38 52	10.9	K
18	3555	36.5	+37 25	10.0	A2	..	37.3	+35 49	10.1	A	3713	38.2	+38 41	9.3	Ao	3720	39.0	+38 15	10.1	A2
19	3657	36.5	+36 44	10.8	K5	..	37.3	+35 28	10.3	Fo	..	38.2	+37 27	10.4	Ao	3671	39.0	+36 37	11.3	K8
20	*3655*	36.5	+35 1	9.6	K2	..	37.3	+34 43	10.9	K	3752	38.2	+35 10	10.6	Ao	3759	39.0	+35 47	10.1	A2
21	3864	36.6	+39 43	11.8	K7	..	37.3	+34 43	10.9	K	..	38.2	+34 32	11.6	K5	..	39.0	+35 8	10.9	Ao
22	3741	36.6	+35 38	11.1	K	..	37.3	+34 17	11.1	Ko	*3668*	38.3	+37 1	9.8	K5	..	39.0	+33 52	11.5	K5
23	..	36.6	+35 28	11.1	A	3446	37.4	+41 22	9.5	Ao	..	38.3	+35 29	10.6	G	3568	39.0	+33 20	11.1	K8
24	3656	36.6	+34 28	10.5	Ko	3746	37.4	+35 16	10.0	Ko	3753	38.3	+35 27	9.1	Fo	*3534*	39.0	+33 2	10.7	K8
25	3832	36.7	+40 46	10.6	K5	..	37.4	+35 6	11.1	Ko	3455	38.4	+41 14	10.7	K2	3533	39.0	+32 40	9.4	A2
26	3831	36.7	+40 43	10.6	Ko	3561	37.4	+33 38	10.9	Mo	3847	38.4	+40 47	10.2	K5	*3760*	39.1	+36 1	10.5	Go
27	3830	36.7	+40 38	9.4	K2	..	37.5	+37 23	10.3	Ao	3877	38.4	+39 42	10.0	A2	3569	39.1	+33 48	10.5	Ao
28	..	36.7	+40 16	11.6	M	3663	37.5	+36 26	10.9	G	3568	38.4	+37 59	10.8	Ao	..	39.1	+33 38	10.8	A
29	3699	36.7	+38 38	10.7	Ko	3747	37.5	+35 8	11.1	Ko	3569	38.4	+37 48	9.8	A2	3880	39.2	+39 20	10.1	A3
30	3556	36.7	+37 18	11.6	Ko	..	37.5	+34 23	11.1	K	..	38.4	+37 20	10.3	F2	3721	39.2	+38 27	10.8	A
31	3658	36.7	+36 23	10.9	A	3663	37.5	+34 13	9.9	G5	3669	38.4	+36 46	11.3	K5	3761	39.2	+35 37	9.3	K2
32	3742	36.7	+35 45	10.3	Fo	3873	37.6	+39 37	9.0	B9	..	38.4	+34 32	10.7	Ko	3762	39.2	+35 31	9.2	Ko
33	3700	36.8	+38 17	10.1	A	3561	37.6	+37 14	9.9	A2	3668	38.4	+34 16	10.5	Ko	3674	39.2	+34 26	9.9	Ao
34	3557	36.8	+37 23	10.4	F	3664	37.6	+36 58	10.8	K2	..	38.4	+34 0	10.9	A2	3673	39.2	+34 8	10.5	K2
35	3657	36.8	+34 45	9.9	Ao	..	37.6	+36 48	11.6	K8	3565	38.4	+33 28	10.4	K5	..	39.2	+32 50	11.1	A
36	3443	36.9	+41 15	11.4	K5	..	37.6	+35 11	10.9	Ao	..	38.5	+37 25	10.2	A3	3853	39.3	+40 57	10.6	Ao
37	*3659*	36.9	+35 3	10.3	Ko	3664	37.6	+34 19	10.6	G5	..	38.5	+36 20	11.9	M	..	39.3	+36 38	11.0	Ao
38	*3658*	36.9	+35 0	10.5	Ao	3562	37.6	+33 42	11.0	Ao	3670	38.5	+36 7	9.3	B9	3763	39.3	+35 12	10.2	A2
39	3835	37.0	+40 33	10.9	K5	*3525*	37.6	+33 0	10.3	G5	3669	38.5	+34 50	10.2	F2	..	39.3	+35 1	10.9	A2
40	3836	37.0	+40 7	11.8	K8	..	37.7	+40 42	11.0	A	3457	38.6	+41 20	10.8	K7	3676	39.3	+34 53	11.1	K5
41	3701	37.0	+38 38	10.7	Ao	..	37.7	+40 39	10.7	A	3572	38.6	+37 47	10.1	K5	..	39.3	+33 29	10.9	Ko
42	3743	37.0	+35 34	9.2	Ko	..	37.7	+38 1	11.3	A	3571	38.6	+37 18	10.0	A5	3854	39.4	+40 34	10.7	K2
43	3660	37.0	+34 16	9.3	Ao	3665	37.7	+34 52	10.1	A3	3755	38.6	+35 7	9.5	A2	3855	39.4	+40 7	9.2	A2
44	..	37.1	+41 16	11.4	K5	..	37.7	+33 18	10.9	A	3671	38.6	+34 36	10.5	Ko	3884	39.4	+39 55	10.1	Ko
45	*3837*	37.1	+41 3	10.2	K5	..	37.7	+33 10	10.5	A	3848	38.7	+40 57	9.2	F2	3883	39.4	+39 12	12.0	M
46	3703	37.1	+38 26	12.0	K5	3843	37.8	+40 34	10.2	Ao	3849	38.7	+40 42	10.0	Ko	3672	39.4	+36 59	10.9	Ko
47	3660	37.1	+36 25	10.8	Fo	3709	37.8	+38 37	9.5	Ao	*3879*	38.7	+40 3	9.1	A3	3673	39.4	+36 53	10.8	Ao
48	..	37.1	+36 18	10.8	Ao	3708	37.8	+38 13	10.2	G5	3756	38.7	+35 42	10.5	F8	3677	39.4	+34 30	9.5	A2
49	3659	37.1	+36 7	10.8	K5	*3565*	37.8	+38 2	11.6	K7	3850	38.8	+40 33	11.0	K7	..	39.4	+33 51	10.5	Ao
50	3744	37.1	+35 13	10.1	Ko	3564	37.8	+37 51	9.9	A7	*3574*	38.8	+38 4	10.0	Ao	..	39.4	+33 8	11.1	K

$+32°.6$ to $+41°.6$

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225500

$19^h39^m.5$ to $19^h42^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3722	39.5	+38 12	10.0	K7	..	40.2	+33 43	10.4	G5	3679	40.9	+36 17	10.3	Ko	..	41.6	+35 24	11.0	F5
2	3766	39.5	+35 37	10.0	G5	3861	40.3	+40 19	10.2	A2	3777	40.9	+35 27	10.9	K2	*3698*	41.6	+35 1	10.8	K2
3	3679	39.5	+34 27	10.4	Ko	..	40.3	+39 47	11.9	K8	..	40.9	+35 18	11.3	A	3581	41.6	+33 32	10.6	F8
4	3724	39.6	+38 43	10.3	Ao	..	40.3	+37 23	11.4	A	3576	40.9	+33 22	10.4	A5	3897	41.7	+39 42	8.9	F8
5	3723	39.6	+38 11	10.0	K8	3774	40.3	+35 37	10.5	Ao	3590	41.0	+37 45	10.9	G5	3745	41.7	+38 14	10.0	Ao
6	..	39.6	+36 42	11.1	A	3773	40.3	+35 11	9.1	F5	..	41.0	+36 34	11.1	Ao	3686	41.7	+36 51	10.2	K2
7	*3768*	39.6	+36 3	10.9	K7	..	40.3	+35 8	11.0	A	3680	41.0	+36 29	10.2	K7	3685	41.7	+36 8	10.3	K2
8	*3770*	39.6	+36 0	10.2	K7	..	40.3	+34 5	11.5	Ko	..	41.0	+36 26	11.6	A	3784	41.7	+35 50	10.7	K8
9	3769	39.6	+35 15	9.4	Ao	3889	40.4	+39 39	10.6	K2	..	41.0	+36 1	10.9	Ao	3699	41.7	+34 22	10.6	Ao
10	3536	39.6	+32 54	11.0	Mo	..	40.4	+38 48	10.8	G	3779	41.0	+35 24	10.0	Ao	..	41.8	+38 49	11.4	A
11	..	39.7	+38 1	10.5	Ao	..	40.4	+38 28	11.9	A	3692	41.0	+34 41	11.2	Ko	..	41.8	+38 16	11.4	A
12	3681	39.7	+34 38	9.9	K5	3676	40.4	+36 48	11.0	Ko	*3546*	41.0	+33 0	9.3	Ao	3687	41.8	+36 41	10.1	A
13	3682	39.7	+34 36	9.1	Ao	..	40.4	+34 52	11.1	A	..	41.1	+40 23	10.6	A3	..	41.8	+35 41	10.5	Ao
14	..	39.7	+33 35	10.9	F	..	40.4	+33 57	10.8	Ao	3893	41.1	+39 49	10.8	Ko	3700	41.8	+34 12	10.8	K5
15	..	39.8	+39 19	11.7	Ao	3573	40.4	+33 42	10.0	B8	..	41.1	+38 18	11.1	F	*3898*	41.9	+40 3	9.7	K5
16	3580	39.8	+37 35	10.0	Go	3540	40.4	+32 56	10.5	Ao	..	41.1	+35 21	10.8	A5	3899	41.9	+39 10	9.6	Ko
17	..	39.8	+37 23	11.4	K7	3539	40.4	+32 52	10.6	G5	3780	41.1	+35 13	10.4	Ko	..	41.9	+37 42	11.5	A
18	..	39.8	+35 37	10.0	Fo	3862	40.5	+40 30	9.8	F5	..	41.1	+33 53	11.1	K2	3594	41.9	+37 30	10.3	F8
19	3683	39.8	+34 50	10.4	Mo	3890	40.5	+39 7	9.1	A2	..	41.2	+37 41	10.8	G5	3595	41.9	+37 11	10.3	K5
20	3685	39.8	+34 19	10.4	A3	..	40.5	+38 39	11.0	Ao	..	41.2	+35 42	10.7	F5	3688	41.9	+36 11	10.6	Go
21	3570	39.8	+33 46	10.8	K2	..	40.5	+38 23	11.2	G	3781	41.2	+35 33	10.8	Go	..	41.9	+35 57	10.4	Go
22	3571	39.8	+33 32	10.5	G5	3583	40.5	+37 54	9.7	B9	3894	41.3	+39 35	9.1	Ao	3785	41.9	+35 14	10.4	A2
23	..	39.8	+33 25	10.6	A	3585	40.5	+37 42	9.0	B5	..	41.3	+38 10	11.4	A	..	41.9	+34 45	11.5	A
24	..	39.9	+39 43	11.2	A7	..	40.5	+35 30	10.8	A7	3682	41.3	+36 55	10.7	Go	..	41.9	+34 34	11.5	Ao
25	3727	39.9	+38 41	9.6	A	*3541*	40.5	+33 6	9.3	A3	..	41.3	+36 48	11.5	K7	3583	41.9	+33 36	11.2	Ko
26	..	39.9	+35 5	11.4	Ao	3891	40.6	+39 43	10.3	K8	3696	41.3	+34 46	10.9	K2	3554	41.9	+32 47	10.9	K2
27	..	40.0	+38 56	11.9	A	*3737*	40.6	+39 0	10.6	K7	3697	41.3	+34 19	9.6	A2	3746	42.0	+38 56	9.4	Ao
28	3728	40.0	+38 21	10.8	G5	*3688*	40.6	+35 5	9.5	A5	3695	41.3	+34 18	10.7	Ao	3596	42.0	+37 25	10.8	G5
29	3581	40.0	+37 18	10.2	Ao	..	40.6	+33 29	10.5	Ao	3579	41.3	+33 56	10.1	K1	3689	42.0	+36 58	10.5	G5
30	3686	40.0	+34 49	10.8	K7	..	40.6	+33 1	11.3	K	3895	41.4	+39 51	9.4	K2	..	42.0	+35 35	11.5	F
31	3468	40.1	+41 15	9.3	A2	..	40.6	+33 0	11.6	K	3591	41.4	+37 42	11.0	Mo	..	42.0	+35 2	11.2	Fo
32	*3859*	40.1	+41 0	10.3	Mo	3863	40.7	+40 9	10.6	K7	3592	41.4	+37 12	10.7	Ao	..	42.0	+33 54	11.1	A3
33	..	40.1	+39 59	11.7	M	..	40.7	+39 26	10.9	Ko	..	41.4	+36 42	11.0	F8	..	42.1	+39 0	10.7	Ao
34	..	40.1	+39 21	11.7	Ao	3775	40.7	+35 43	10.6	Go	3782	41.4	+35 37	10.7	F2	3747	42.1	+38 8	10.2	Go
35	3886	40.1	+39 10	11.1	A3	3689	40.7	+34 15	10.6	F8	..	41.4	+35 7	10.9	G5	..	42.1	+37 32	11.2	A
36	3730	40.1	+38 38	12.0	K8	3575	40.7	+33 54	10.5	A2	3549	41.4	+32 54	10.5	A	3597	42.1	+37 12	9.2	A2
37	3729	40.1	+38 24	10.9	A	..	40.7	+33 48	10.6	K2	3547	41.4	+32 48	10.5	Ko	3788	42.1	+35 59	10.4	G5
38	..	40.1	+37 11	11.2	A	3574	40.7	+33 44	10.4	K5	3867	41.5	+40 51	10.7	K5	3789	42.1	+35 32	10.5	Ao
39	..	40.1	+34 30	12.5	M	3545	40.7	+32 58	11.6	K5	3869	41.5	+40 12	10.6	F2	3584	42.1	+33 41	9.9	A3
40	..	40.1	+33 34	10.8	A	3736	40.8	+38 30	10.5	A7	3783	41.5	+35 37	9.9	Ao	3477	42.2	+41 32	9.9	G5
41	..	40.1	+32 38	11.1	A	3735	40.8	+38 11	11.5	K7	*3580*	41.5	+34 4	9.8	Ao	3476	42.2	+41 13	9.8	Ko
42	3860	40.2	+40 16	10.0	A2	3588	40.8	+37 58	11.3	Ko	..	41.5	+33 44	10.5	B	3900	42.2	+39 45	8.8	B8
43	..	40.2	+40 1	11.3	Ao	..	40.8	+37 47	11.5	K7	..	41.5	+33 33	10.8	Go	..	42.2	+37 54	11.2	Ao
44	3887	40.2	+39 32	10.0	A7	3587	40.8	+37 31	11.3	M	3741	41.6	+38 57	9.5	Fo	3703	42.2	+34 59	11.2	Ko
45	3733	40.2	+38 9	9.6	Go	3776	40.8	+35 50	10.7	K2	3744	41.6	+38 44	10.4	Ko	..	42.2	+33 52	11.5	A
46	3731	40.2	+38 8	9.8	A	..	40.8	+35 45	10.7	A2	3742	41.6	+38 32	10.7	A	3749	42.3	+38 16	9.8	A2
47	3732	40.2	+38 6	10.1	A	3865	40.9	+40 23	9.2	G5	3740	41.6	+38 24	10.3	Ao	3690	42.3	+36 46	11.1	K7
48	3674	40.2	+36 37	10.5	Ao	3892	40.9	+39 46	10.8	K7	3683	41.6	+36 55	10.4	Ao	..	42.3	+36 25	11.3	Ko
49	3675	40.2	+36 22	10.4	A7	3738	40.9	+38 54	10.3	Go	3684	41.6	+36 45	10.2	A7	3790	42.3	+35 43	10.7	G5
50	3687	40.2	+34 27	12.0	K5	3589	40.9	+37 14	10.7	K7	..	41.6	+36 26	11.3	A7	3791	42.3	+35 12	9.7	K2

$+32°.6$ to $+41°.6$

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225700

$19^h\ 42^m.3$ to $19^h\ 44^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	42.3	+34 36	11.5	G5	3593	42.9	+33 37	10.5	K2	3608	43.7	+37 41	10.4	K2	3599	44.2	+33 52	10.0	Ko
2	..	42.3	+33 19	11.0	Ko	3592	42.9	+33 14	10.5	Ao	..	43.7	+34 55	11.3	Ao	3598	44.2	+33 43	11.1	K5
3	3585	42.3	+33 10	11.0	Ko	3482	43.0	+41 18	9.7	A2	..	43.7	+34 38	11.2	A	..	44.2	+33 25	11.0	Ao
4	.. .	42.4	+41 34	10.9	A	3907	43.0	+39 9	9.3	F5	..	43.7	+34 22	11.5	K8	3883	44.3	+40 45	10.6	Go
5	3902	42.4	+39 51	9.9	Ko	3753	43.0	+38 58	10.3	K2	3714	43.7	+34 16	10.5	Ao	3884	44.3	+40 41	12.1	M
6	3693	42.4	+36 37	11.7	K5	3797	43.0	+35 18	10.5	Ao	*3597*	43.7	+34 3	9.6	K7	3915	44.3	+39 46	9.8	A5
7	3792	42.4	+35 32	9.9	Ao	3707	43.0	+34 24	11.0	B	..	43.7	+33 31	10.7	Fo	..	44.3	+39 15	10.9	A
8	..	42.4	+35 10	10.7	Fo	3561	43.0	+32 41	9.9	Ao	..	43.8	+40 13	11.0	F2	..	44.3	+38 53	10.8	A7
9	3704	42.4	+34 18	10.5	A3	3754	43.1	+38 21	10.2	A2	..	43.8	+37 34	11.4	Ko	*3719*	44.3	+35 0	9.1	Ao
10	..	42.4	+33 34	11.0	Mo	3604	43.1	+37 14	10.6	Mo	3701	43.8	+36 38	9.7	F8	3720	44.3	+34 42	10.3	M2
11	3480	42.5	+41 30	9.7	Fo	..	43.1	+36 48	11.8	K	3702	43.8	+36 11	11.1	A	..	44.3	+33 38	11.1	A7
12	3479	42.5	+41 28	10.2	A	3697	43.1	+36 8	10.5	Ao	3802	43.8	+35 30	10.2	Ko	..	44.3	+32 54	11.2	A
13	..	42.5	+37 53	11.6	A	..	43.1	+34 55	10.9	A7	3715	43.8	+34 29	10.2	Fo	3917	44.4	+39 44	10.0	Ao
14	..	42.5	+35 31	11.1	Fo	3484	43.2	+41 16	9.8	Ao	..	43.8	+33 9	11.1	A	3916	44.4	+39 20	9.5	Ao
15	3793	42.5	+35 12	10.2	Ao	3909	43.2	+39 54	9.1	A2	3805	43.9	+35 52	10.7	F2	3612	44.4	+37 25	10.0	F5
16	3481	42.6	+41 34	9.6	K2	..	43.2	+39 41	11.8	A	3803	43.9	+35 42	10.3	Fo	3707	44.4	+36 56	10.2	Ao
17	3871	42.6	+40 17	10.4	F2	3606	43.2	+38 44	9.6	B9	3716	43.9	+34 47	10.8	F8	..	44.4	+36 30	10.9	G
18	3750	42.6	+38 58	10.0	A7	..	43.2	+38 40	11.5	Ko	..	43.9	+34 36	11.1	A	..	44.4	+35 53	10.3	A2
19	..	42.6	+36 48	11.3	A	3755	43.2	+38 14	10.5	Ao	..	43.9	+34 6	11.0	K2	..	44.4	+35 50	11.8	K8
20	3695	42.6	+36 10	11.2	G	*3605*	43.2	+38 2	10.0	A5	..	43.9	+33 51	10.9	Ao	3722	44.4	+34 58	10.8	Ao
21	..	42.6	+35 37	11.2	Ao	3800	43.2	+35 18	10.8	Go	..	44.0	+38 14	11.0	Ao	3721	44.4	+34 16	11.1	K5
22	3795	42.6	+35 31	11.1	K5	3709	43.2	+34 44	11.2	Ko	3703	44.0	+36 40	9.9	Mo	..	44.4	+33 39	11.1	Ao
23	3794	42.6	+35 8	10.3	K	3562	43.2	+32 55	10.5	A5	3704	44.0	+36 11	11.1	F	3569	44.4	+32 41	9.6	A
24	..	42.6	+34 44	11.2	Ao	..	43.3	+38 15	10.8	Fo	*3806*	44.0	+36 6	10.6	Fo		44.4	+32 41		A
25	..	42.6	+34 39	11.8	M	3698	43.3	+36 42	10.1	G5	3804	44.0	+35 15	10.1	A2	3493	44.5	+41 24	9.3	Ko
26	3586	42.6	+33 23	10.6	K2	*3710*	43.3	+35 1	9.4	A2	..	44.0	+33 52	11.1	K2	3885	44.5	+40 21	9.8	Go
27	..	42.6	+32 59	10.9	F8	..	43.3	+34 52	11.6	K8	3881	44.1	+40 27	10.5	Go	3613	44.5	+37 47	9.3	Ao
28	3751	42.7	+38 59	10.0	B9	3910	43.4	+39 27	11.1	K	3912	44.1	+39 42	9.9	Ao	3708	44.5	+36 14	10.7	Go
29	*3602*	42.7	+38 0	10.1	F2	..	43.4	+35 34	11.1	A3	3913	44.1	+39 38	9.9	A	3723	44.5	+34 32	10.8	G5
30	3796	42.7	+35 22	10.8	Ao	3801	43.4	+35 14	10.9	Ko	3759	44.1	+38 13	10.6	A5	3494	44.6	+41 31	9.3	K2
31	*3705*	42.7	+35 4	10.8	Ao	3711	43.4	+34 13	10.7	G5	..	44.1	+37 48	11.6	K2	3762	44.6	+38 36	10.3	A3
32	3589	42.7	+33 30	10.5	K5	..	43.4	+33 36	11.1	Ao	3610	44.1	+37 23	10.7	Ao	3763	44.6	+38 33	9.4	B2
33	..	42.7	+32 51	10.8	Fo	*3563*	43.4	+33 0	10.5	Ao	*3705*	44.1	+37 5	10.2	Ao	3614	44.6	+37 57	11.4	G
34	3873	42.8	+40 45	9.8	G5	3879	43.5	+40 43	10.8	K5	3807	44.1	+35 42	9.3	F2	3615	44.6	+37 7	9.3	B5
35	3872	42.8	+40 25	10.6	A5	3878	43.5	+40 11	9.6	A2	3808	44.1	+35 18	11.1	K5	3812	44.6	+35 47	10.7	B9
36	..	42.8	+40 15	11.0	A3	3911	43.5	+39 39	8.7	B9	..	44.1	+34 53	11.2	G5	..	44.6	+35 21	10.3	F5
37	3906	42.8	+39 41	10.7	Ko	..	43.5	+38 0	11.3	A	..	44.1	+34 22	11.1	A	..	44.6	+34 41	11.2	K2
38	..	42.8	+39 4	10.8	Ko	..	43.5	+37 37	10.9	Ao	3717	44.1	+34 13	10.7	K2	3813	44.7	+35 39	9.9	Ao
39	..	42.8	+38 53	10.3	Ao	3607	43.5	+37 33	10.8	Ko	3718	44.1	+34 9	10.5	A2	3572	44.7	+32 43	10.7	A2
40	*3603*	42.8	+38 0	10.2	K2	3700	43.5	+36 42	10.2	F8	..	44.1	+32 53	11.5	G5	..	44.8	+38 40	11.5	A
41	..	42.8	+37 15	10.6	Ao	..	43.5	+35 25	10.9	Ko	3489	44.2	+41 45	10.7	K2	..	44.8	+38 37	11.0	A
42	3601	42.8	+37 13	9.8	A2	..	43.5	+35 18	11.2	F5	3882	44.2	+40 41	10.6	A7	3618	44.8	+37 18	10.8	Go
43	..	42.8	+34 29	11.1	K5	3757	43.6	+38 16	10.5	F8	..	44.2	+40 30	10.5	F8	..	44.8	+37 7	10.3	A2
44	3591	42.8	+33 28	10.6	Ko	..	43.6	+38 9	11.2	G5	3914	44.2	+39 40	10.0	Ao	3711	44.8	+36 17	10.6	F5
45	..	42.8	+33 14	11.0	A	..	43.6	+37 58	11.3	A	3611	44.2	+37 55	10.2	A2	3815	44.8	+35 23	10.3	B9
46	*3875*	42.9	+41 5	9.8	K2	..	43.6	+37 43	10.9	Ao	..	44.2	+37 7	11.3	G	3814	44.8	+35 22	9.7	Ko
47	..	42.9	+39 19	12.0	K5	3713	43.6	+34 22	10.5	Ao	3706	44.2	+36 42	9.4	Ko	3726	44.8	+34 41	11.0	K5
48	..	42.9	+37 51	10.8	A	..	43.6	+33 37	10.8	Fo	..	44.2	+35 48	11.5	K2	3725	44.8	+34 35	8.6	A2
49	3696	42.9	+36 59	10.2	Ao	3595	43.6	+33 24	10.5	Go	3809	44.2	+35 8	9.0	B8	3724	44.8	+34 23	10.2	Ko
50	..	42.9	+34 58	10.8	Fo	..	43.7	+39 52	12.0	A	..	44.2	+34 32	11.1	A2	3601	44.8	+33 54	10.5	A2

$+32°.6$ to $+41°.6$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	44.8	+33 26	10.7	A2	3891	45.4	+40 29	10.2	Go	3771	45.9	+38 43	9.9	A7	..	46.4	+39 12	11.9	M
2	..	44.8	+33 17	10.9	Go	..	45.4	+39 15	11.8	A	..	45.9	+38 25	11.0	Ko	3774	46.4	+38 16	10.8	G5
3	3573	44.8	+32 42	10.8	M1	..	45.4	+38 53	10.1	Ao	..	45.9	+37 25	10.7	Ao	3631	46.4	+37 13	10.1	K2
4	3495	44.9	+41 56	11.5	K5	..	45.4	+38 22	11.3	G5	..	45.9	+35 1	10.9	F5	3630	46.4	+37 8	10.0	B3
5	3887	44.9	+40 11	9.5	Ao	3622	45.4	+37 7	11.4	M	3607	45.9	+33 45	10.5	Ao	..	46.4	+35 13	11.0	F2
6	..	44.9	+39 38	11.1	A	..	45.4	+36 25	11.4	A	3606	45.9	+33 28	10.4	F5	*3742*	46.4	+35 1	10.4	Ko
7	3619	44.9	+37 59	10.3	Ko	3819	45.4	+35 15	11.0	K8	..	46.0	+41 32	11.5	K7	..	46.4	+34 36	11.4	A
8	..	44.9	+36 24	11.2	A	..	45.4	+34 32	10.6	K2	..	46.0	+40 37	11.0	Ao	3741	46.4	+34 32	11.1	K5
9	3816	44.9	+35 44	10.7	Ao	3729	45.4	+34 18	11.1	K7	..	46.0	+40 7	11.2	A2	..	46.4	+33 45	11.5	A
10	..	44.9	+35 2	10.5	A3	..	45.4	+33 39	11.1	Go	..	46.0	+38 38	12.0	M	..	46.4	+33 37	10.8	G5
11	..	44.9	+34 47	11.1	A7	..	45.4	+33 2	10.9	A	3720	46.0	+36 13	10.8	K8	3614	46.4	+33 33	10.8	Fo
12	*3888*	45.0	+41 3	9.8	Fo	3581	45.4	+32 40	10.3	Ao	3822	46.0	+35 41	10.8	Fo	3505	46.5	+41 28	11.4	M
13	3889	45.0	+40 59	9.7	F5	..	45.5	+39 6	11.4	Ao	..	46.0	+34 18	11.5	A	..	46.5	+38 39	10.5	A2
14	3919	45.0	+39 37	8.8	A7	3770	45.5	+38 54	9.5	A5	*3608*	46.0	+34 6	10.8	A	3721	46.5	+36 36	9.8	Ao
15	3918	45.0	+39 8	11.6	M	3769	45.5	+38 22	9.6	F5	..	46.0	+33 48	11.1	Ao	..	46.5	+34 37	10.5	F5
16	..	45.0	+39 5	10.6	Ao	..	45.5	+37 43	11.6	Go	3501	46.1	+41 37	10.3	Ao	3743	46.5	+34 17	10.1	Fo
17	3766	45.0	+38 56	11.4	M	3624	45.5	+37 40	10.3	M	3500	46.1	+41 9	10.4	Ko	*3615*	46.5	+34 7	9.3	A2
18	..	45.0	+38 47	11.6	K	3717	45.5	+36 11	10.6	B9	3896	46.1	+40 59	10.7	K2	3898	46.6	+40 16	9.8	Fo
19	..	45.0	+38 39	10.9	G	..	45.5	+35 0	10.7	A	3895	46.1	+40 22	11.5	Mo	3928	46.6	+39 37	10.8	K5
20	*3620*	45.0	+38 6	10.5	Fo	..	45.5	+34 10	11.5	M	..	46.1	+38 39	12.0	K	..	46.6	+38 22	10.1	B5
21	..	45.0	+37 34	11.3	Fo	..	45.6	+39 18	11.8	A	..	46.1	+36 37	11.9	A	..	46.6	+37 40	10.6	F2
22	3713	45.0	+36 51	10.9	A2	3732	45.6	+34 55	10.4	A2	*3824*	46.1	+36 3	10.7	K2	3724	46.6	+36 32	10.9	Go
23	..	45.0	+36 37	11.3	A2	..	45.6	+34 39	11.0	G5	3823	46.1	+35 47	11.1	F8	3722	46.6	+36 20	10.1	Fo
24	..	45.0	+33 52	11.1	Ao	3730	45.6	+34 32	10.0	A5	*3735*	46.1	+35 3	11.1	K2	..	46.6	+35 47	11.0	A
25	..	45.0	+33 36	12.0	M	..	45.6	+34 20	11.2	A	..	46.1	+34 45	11.1	G	3745	46.6	+34 48	11.0	F5
26	..	45.0	+33 22	10.7	B9	..	45.7	+40 59	10.9	A	..	46.1	+34 34	10.9	F8	3744	46.6	+34 39	9.2	Go
27	..	45.1	+39 27	11.6	Ao	..	45.7	+39 32	11.1	Ao	..	46.1	+34 20	10.3	Ao	..	46.6	+33 59	11.2	Fo
28	..	45.1	+37 54	10.8	Fo	3625	45.7	+37 42	10.3	Fo	3610	46.1	+33 47	11.1	Ko	3616	46.6	+33 25	10.6	K3
29	3714	45.1	+36 17	10.6	Ko	..	45.7	+37 30	10.8	A3	3897	46.2	+40 39	10.4	Fo	..	46.7	+40 32	10.9	A3
30	..	45.1	+35 37	11.0	G	3820	45.7	+35 28	11.0	Ao	3925	46.2	+39 24	9.3	Go	3929	46.7	+39 40	9.5	Go
31	3817	45.1	+35 7	10.0	A2	..	45.7	+35 19	11.6	K	3627	46.2	+37 49	10.2	Ao	..	46.7	+38 49	11.5	A
32	..	45.1	+34 57	10.5	A2	3733	45.7	+34 52	9.4	Go	*3739*	46.2	+35 5	10.2	A2	3746	46.7	+34 27	9.4	Ao
33	3728	45.1	+34 14	10.7	A3	..	45.7	+33 24	11.5	Mo	..	46.2	+34 23	10.5	Ao	3747	46.7	+34 8	8.1	Ao
34	*3576*	45.1	+33 6	10.0	Ao	3584	45.7	+32 54	10.3	B5	3737	46.2	+34 11	10.4	F5	3617	46.7	+33 27	10.1	Ko
35	..	45.1	+32 49	11.1	Go	3583	45.7	+32 43	9.3	B	3738	46.2	+34 9	9.3	Ao	3899	46.8	+40 22	9.8	F2
36	*3922*	45.2	+40 1	9.5	K2	*3893*	45.8	+41 5	10.0	A2	3775	46.3	+38 57	11.0	A3	3900	46.8	+40 8	9.0	F8
37	3621	45.2	+37 36	10.7	F2	..	45.8	+39 50	11.5	K5	..	46.3	+37 57	10.9	Go	3930	46.8	+39 30	9.5	A2
38	..	45.2	+36 41	11.0	Ao	..	45.8	+37 21	10.6	A2	3629	46.3	+37 52	11.0	K5	3776	46.8	+38 19	10.1	A5
39	3818	45.2	+35 52	10.5	K2	*3718*	45.8	+37 6	11.4	A5	3628	46.3	+37 29	9.7	A3	3633	46.8	+37 44	10.4	A2
40	..	45.2	+35 44	10.9	A2	3719	45.8	+36 43	11.3	G5	..	46.3	+36 8	10.8	A7	..	46.8	+36 29	10.9	A
41	..	45.2	+35 34	10.8	Fo	..	45.8	+35 49	11.5	A5	3825	46.3	+35 25	9.4	F5	3725	46.8	+36 13	10.1	F2
42	..	45.2	+35 25	10.8	K2	3821	45.8	+35 36	10.6	A7	3740	46.3	+34 38	10.4	K7	..	46.8	+35 15	11.7	F
43	..	45.2	+34 26	10.8	Go	..	45.8	+35 28	11.2	A	..	46.3	+34 21	10.8	Ao	*3748*	46.8	+35 1	10.9	A
44	..	45.2	+33 26	10.7	G5	*3734*	45.8	+35 2	10.2	A2	..	46.3	+33 53	11.5	A	..	46.8	+34 12	10.3	Ao
45	..	45.2	+33 26			..	45.8	+34 24	10.5	A3	3613	46.3	+33 47	10.9	A	*3594*	46.8	+33 2	10.1	Go
46	..	45.2	+33 52	11.9	K8	..	45.8	+33 43	11.6	A	3590	46.3	+32 53	9.9	A3	3506	46.9	+41 29	10.8	Fo
47	3890	45.3	+40 55	11.6	K5	3604	45.8	+33 31	9.9	A4	3503	46.4	+41 33	11.0	Ko	..	46.9	+39 6	11.7	A
48	..	45.3	+40 49	11.2	A	3605	45.8	+33 18	11.5	Mo	..	46.4	+41 14	10.3	A2	3778	46.9	+38 37	10.9	K7
49	3924	45.3	+39 47	10.2	Ao	3586	45.8	+32 38	11.0	K8	..	46.4	+40 53	11.1	A	3749	46.9	+34 41	8.0	G5
50	..	45.3	+39 32	10.2	Ao	3499	45.9	+41 47	10.7	K5	3927	46.4	+39 58	10.6	Ao	..	46.9	+34 14	10.4	B5

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1936AnHar.100....1C

226100 **$19^h\ 46^m.9$ to $19^h\ 48^m.9$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	46.9	+33 42	10.7	Go	3832	47.4	+35 42	11.1	Go	*3737*	47.9	+37 3	9.8	F8	3843	48.4	+35 56	9.9	F2
2	3595	46.9	+32 59	11.0	Mo	..	47.4	+34 56	10.8	Go	3736	47.9	+36 40	11.1	M	3842	48.4	+35 9	10.8	F8
3	..	47.0	+39 3	11.4	Ko	3622	47.4	+33 17	10.8	Ao	3838	47.9	+35 53	10.0	F5	3764	48.4	+34 35	10.0	Ko
4	3779	47.0	+38 36	11.3	A	3621	47.4	+33 10	9.5	B9	..	47.9	+35 7	10.7	A5	3520	48.5	+41 11	10.5	A2
5	..	47.0	+38 23	11.6	K	3785	47.5	+38 46	10.8	K7	..	47.9	+34 47	10.4	A7	3792	48.5	+38 48	9.9	F2
6	3727	47.0	+36 55	10.5	K2	3639	47.5	+37 29	9.0	A2	3757	47.9	+34 18	9.5	A3	..	48.5	+38 34	11.7	A
7	3827	47.0	+35 35	8.8	B9	3733	47.5	+36 28	10.9	G5	3758	47.9	+34 8	9.8	Ao	..	48.5	+37 19	10.7	Ao
8	..	47.0	+34 47	10.2	Ao	3731	47.5	+36 24	11.4	K5	3625	47.9	+33 48	8.5	K1	..	48.5	+35 18	11.0	Fo
9	3750	47.0	+34 43	10.6	K5	3623	47.5	+33 43	9.9	Ko	*3603*	47.9	+33 3	10.4	Fo	3765	48.5	+34 31	9.3	A2
10	..	47.0	+33 44	10.8	Ao	3624	47.5	+33 14	9.9	A2	3517	48.0	+41 35	11.2	K5	..	48.5	+34 2	11.4	Ao
11	3618	47.0	+33 25	10.5	B	3514	47.6	+41 25	9.6	F5	..	48.0	+37 45	10.1	Ao	3628	48.5	+33 34	10.2	Ao
12	..	47.0	+33 21	11.0	A	..	47.6	+41 4	10.8	Fo	..	48.0	+37 37	10.7	Go	..	48.6	+41 26	10.5	A2
13	..	47.1	+39 2	11.5	A	3906	47.6	+40 55	10.6	Go	3646	48.0	+37 20	10.7	Ao	3914	48.6	+40 33	11.1	K7
14	3781	47.1	+38 47	10.0	A3	3931	47.6	+39 48	10.9	K5	3739	48.0	+36 42	11.1	K2	*3937*	48.6	+40 3	9.8	A2
15	..	47.1	+37 27	11.1	Ao	..	47.6	+39 6	11.4	Fo	..	48.0	+36 18	10.9	A	3653	48.6	+37 52	9.8	A3
16	3634	47.1	+37 9	10.9	Ao	3786	47.6	+38 42	10.3	Go	3760	48.0	+34 58	10.6	Fo	3652	48.6	+37 48	9.1	A2
17	3828	47.1	+35 33	10.7	Mo	..	47.6	+38 23	11.3	K2	3761	48.0	+34 33	10.8	Ko	..	48.6	+37 36	10.9	F8
18	3753	47.1	+34 35	9.9	B9	3640	47.6	+37 51	10.1	Fo	3759	48.0	+34 26	11.1	G5	3745	48.6	+36 23	10.1	K2
19	3752	47.1	+34 27	10.0	G5	..	47.6	+37 8	11.5	K7	3626	48.0	+33 30	11.0	Ko	..	48.6	+34 54	10.7	A5
20	3751	47.1	+34 15	9.8	B9	3735	47.6	+36 7	9.0	F8	*3604*	48.0	+33 6	10.4	A2	..	48.6	+34 48	11.5	A
21	..	47.1	+33 18	11.1	A	..	47.6	+35 41	11.0	Ao	3933	48.1	+39 28	9.0	Ao	..	48.6	+34 6	11.1	G
22	..	47.1	+33 10	11.0	A7	3834	47.6	+35 36	10.6	Ko	3934	48.1	+39 17	9.0	Ko	*3629*	48.6	+34 5	10.2	G5
23	..	47.2	+39 21	12.0	A	3755	47.6	+35 32	10.0	F5	3790	48.1	+38 30	9.8	Go	3630	48.6	+33 11	11.5	Mo
24	..	47.2	+38 31	11.0	Ao	3835	47.6	+35 20	10.7	F8	..	48.1	+36 44	10.9	A3	3938	48.7	+39 12	11.2	K7
25	..	47.2	+38 18	10.6	B9	..	47.6	+35 16	11.3	Go	3742	48.1	+36 23	10.1	Mo	3793	48.7	+38 9	10.6	B
26	..	47.2	+38 13	11.4	Ao	..	47.6	+33 53	10.9	A2	..	48.1	+36 21	10.9	F2	3746	48.7	+36 32	10.1	Ko
27	3635	47.2	+37 12	10.6	G5	*3599*	47.6	+33 5	10.5	Ao	3740	48.1	+36 9	10.7	A3	..	48.7	+35 40	11.4	A
28	3728	47.2	+36 45	9.9	Ko	3600	47.6	+32 51	9.5	Fo	3839	48.1	+35 21	8.6	Go	3846	48.7	+35 34	10.1	A2
29	3829	47.2	+35 58	11.3	K2	3787	47.7	+38 28	10.7	K5	3627	48.1	+33 16	10.5	Ao	3845	48.7	+35 21	10.0	A3
30	3830	47.2	+35 9	9.1	B9	*3642*	47.7	+38 0	10.3	A5	3909	48.2	+40 48	9.2	A2	3766	48.7	+34 21	10.7	Mo
31	..	47.2	+33 42	10.8	Ao	3641	47.7	+37 10	10.2	F2	..	48.2	+39 40	11.4	A2	..	48.7	+33 22	11.0	Ao
32	3619	47.2	+33 39	11.5	K8	3836	47.7	+35 39	11.0	F8	3647	48.2	+37 38	9.4	A2	3631	48.7	+33 17	10.4	Ao
33	3620	47.2	+33 36	11.5	K7	..	47.7	+35 30	10.7	B9	3743	48.2	+36 24	10.1	Ko	..	48.7	+33 8	11.1	Ko
34	3597	47.2	+32 58	10.7	A7	3756	47.7	+34 47	8.0	Ao	3840	48.2	+35 10	11.0	Ko	3916	48.8	+40 26	9.1	A2
35	3509	47.3	+41 47	10.3	Fo	3907	47.8	+40 21	9.9	K7	3518	48.3	+41 53	11.1	Ao	..	48.8	+38 34	10.9	A2
36	3511	47.3	+41 38	10.4	K5	..	47.8	+39 49	11.0	Ao	3910	48.3	+40 17	9.5	Fo	..	48.8	+37 30	10.8	A7
37	3512	47.3	+41 22	10.8	Ao	3788	47.8	+38 15	10.9	K5	..	48.3	+39 34	11.5	A	..	48.8	+37 13	11.2	Ao
38	3508	47.3	+41 13	11.0	Ko	3643	47.8	+37 47	10.3	F8	3791	48.3	+38 49	9.3	Ao	3748	48.8	+36 45	10.9	A
39	3904	47.3	+40 34	9.5	Ao	..	47.8	+35 42	11.0	A2	..	48.3	+37 43	10.8	B8	3747	48.8	+36 13	10.2	Fo
40	..	47.3	+39 0	10.6	A3	..	47.8	+35 38	10.8	Ao	3648	48.3	+37 28	10.8	Go	..	48.8	+35 25	11.1	G5
41	..	47.3	+36 40	11.3	A	3837	47.8	+35 35	9.4	Go	3841	48.3	+35 56	10.3	Ko	..	48.8	+33 56	11.2	F
42	3729	47.3	+36 32	10.5	A2	..	47.8	+33 26	11.3	Ao	..	48.3	+35 46	11.0	A2	..	48.8	+33 39	11.2	A3
43	..	47.3	+36 13	11.2	A	..	47.8	+33 0	11.3	Ao	..	48.3	+35 28	11.6	Fo	..	48.8	+33 37	10.8	Ao
44	3831	47.3	+35 45	11.1	Ao	3515	47.9	+41 13	11.0	K5	3762	48.3	+34 34	10.0	Ao	*3610*	48.8	+33 1	10.9	G5
45	3754	47.3	+34 21	9.1	A3	3908	47.9	+40 29	8.6	G5	3763	48.3	+34 8	9.8	F8	3917	48.9	+40 17	9.9	Ao
46	3513	47.4	+41 49	10.5	Ko	..	47.9	+39 26	10.9	Ao	..	48.4	+41 39	10.5	A3	..	48.9	+39 44	11.2	Go
47	3784	47.4	+38 55	9.7	Fo	..	47.9	+39 18	10.9	F5	3913	48.4	+40 51	9.5	K2	3940	48.9	+39 10	11.3	A
48	..	47.4	+38 0	11.6	K2	*3789*	47.9	+39 1	9.9	Ko	..	48.4	+40 27	11.1	A3	..	48.9	+38 58	11.1	G
49	3638	47.4	+37 23	9.5	Ao	3644	47.9	+37 31	10.0	F8	3936	48.4	+39 24	9.9	K2	..	48.9	+36 34	11.0	F
50	3730	47.4	+36 28	10.8	G5	3645	47.9	+37 27	9.4	Ao	3651	48.4	+37 46	9.4	F8	..	48.9	+36 8	11.3	F

$+32°.6$ to $+41°.6$

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226300 — $19^h\ 48^m.9$ to $19^h\ 51^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	*3847*	48.9	+36 5	10.5	Fo	3941	49.5	+39 23	10.0	F8	3614	50.0	+32 41	10.4	Go	..	50.6	+37 55	11.4	A
2	..	48.9	+34 8	10.4	A5	3800	49.5	+38 10	10.2	F5	3665	50.1	+37 46	10.4	A7	3786	50.6	+34 14	9.9	Go
3	..	48.9	+33 58	10.5	A2	..	49.5	+35 51	11.2	A	*3756*	50.1	+37 0	10.6	Go	3643	50.6	+33 34	10.5	F5
4	3632	48.9	+33 34	10.5	K2	..	49.5	+35 36	11.4	Go	3755	50.1	+36 28	11.8	Mo	..	50.7	+42 2	10.4	A
5	3919	49.0	+40 42	10.5	A2	..	49.5	+34 55	10.6	A7	..	50.1	+36 16	11.1	F5	3759	50.7	+36 42	9.3	A2
6	3918	49.0	+40 20	10.3	Ao	3772	49.5	+34 52	9.3	B9	..	50.1	+35 46	11.4	F5	3758	50.7	+36 40	9.6	Ko
7	..	49.0	+38 14	12.0	Mo	3773	49.5	+34 39	10.7	Ao	..	50.1	+35 26	11.0	F2	..	50.7	+36 23	11.0	Ao
8	3795	49.0	+38 8	10.7	Ao	3637	49.5	+33 17	11.1	K8	3779	50.1	+34 58	10.7	G5	..	50.7	+36 18	11.1	A
9	*3749*	49.0	+37 6	9.9	F2	3927	49.6	+40 56	10.8	Ko	3947	50.2	+39 57	10.8	K2	..	50.7	+35 35	10.9	F5
10	3654	49.0	+37 27	9.8	A2	3942	49.6	+39 41	11.1	A8	3946	50.2	+39 52	10.9	Ao	..	50.7	+33 53	11.4	K5
11	..	49.0	+35 44	11.1	Ko	..	49.6	+38 10	11.0	A3	..	50.2	+39 6	10.8	Ao	..	50.7	+33 6	11.2	F5
12	..	49.0	+35 5	11.6	A	3659	49.6	+37 12	10.2	K2	..	50.2	+37 23	10.9	Ao	*3669*	50.8	+38 5	10.5	Ao
13	3767	49.0	+34 53	9.9	K2	*3752*	49.6	+37 1	10.6	B9	3852	50.2	+35 40	10.2	Ko	3668	50.8	+37 12	10.9	Ao
14	..	49.0	+34 40	11.0	G5	..	49.6	+36 37	11.4	A	..	50.2	+35 30	11.4	A	3760	50.8	+36 23	11.4	G5
15	..	49.0	+34 15	10.6	G5	..	49.6	+35 55	10.8	A5	..	50.2	+34 51	10.3	Go	..	50.8	+35 36	11.0	A7
16	..	49.0	+33 47	11.0	Go	..	49.6	+35 38	11.5	A	3780	50.2	+34 41	11.2	K5	3855	50.8	+35 9	10.8	Go
17	3522	49.1	+41 56	11.4	Ko	..	49.6	+35 16	11.8	M	3781	50.2	+34 12	10.7	B9	3645	50.8	+33 22	10.3	Ao
18	..	49.1	+35 15	11.6	A	3774	49.6	+34 47	9.2	Go	3640	50.2	+33 16	10.2	Ao	..	50.8	+32 40	10.9	A
19	3848	49.1	+35 15	11.6	Go	..	49.6	+33 14	11.0	Ao	3641	50.2	+33 12	10.5	K2	3620	50.8	+32 39	10.4	Fo
20	..	49.1	+34 57	10.6	Ko	3639	49.6	+33 13	10.8	K5	3528	50.3	+41 34	9.4	Fo	3532	50.9	+41 16	9.5	Ko
21	3769	49.1	+34 33	10.4	K2	..	49.6	+33 6	11.1	A2	3529	50.3	+41 25	10.0	B8	*3811*	50.9	+39 2	10.4	Ao
22	3768	49.1	+34 17	9.9	Ko	*3612*	49.6	+33 4	10.7	F8	*3667*	50.3	+38 3	10.0	B8	..	50.9	+38 37	11.1	F8
23	..	49.1	+32 56	11.5	A	3943	49.7	+39 12	9.3	K5	3666	50.3	+37 15	10.1	B8	..	50.9	+38 34	11.1	G5
24	3523	49.2	+41 45	10.8	K5	3802	49.7	+38 59	9.0	A2	..	50.3	+36 23	11.1	G5	3761	50.9	+36 17	11.2	Ko
25	3524	49.2	+41 26	10.3	A5	3803	49.7	+38 13	10.8	A2	3853	50.3	+35 59	10.9	Go	..	50.9	+36 17	11.4	A5
26	..	49.2	+38 30	11.0	A5	3660	49.7	+37 31	9.5	B8	..	50.3	+35 31	11.3	Go	..	50.9	+34 37	11.1	F
27	3656	49.2	+37 42	9.5	Fo	..	49.7	+37 24	10.5	Fo	..	50.3	+34 45	11.2	K	..	50.9	+34 31	11.2	A5
28	3657	49.2	+37 9	9.5	A2	..	49.7	+33 28	10.9	Ao	3784	50.3	+34 17	9.3	B9	3646	50.9	+33 55	10.1	Ao
29	..	49.2	+34 43	11.0	Ao	..	49.7	+32 52	11.7	A	3782	50.3	+34 14	10.2	K5	..	50.9	+33 48	10.9	Ao
30	..	49.2	+33 13	11.1	Ao	..	49.8	+40 5	11.3	Go	3783	50.3	+34 8	8.7	F8	3647	50.9	+33 8	10.7	A3
31	3634	49.2	+33 9	10.6	A8	..	49.8	+39 42	11.1	Ao	..	50.4	+41 6	10.9	Ao	..	51.0	+39 40	11.4	A2
32	3525	49.3	+41 29	8.9	F2	3945	49.8	+39 16	8.9	B8	..	50.4	+39 27	12.0	K7	..	51.0	+39 8	10.4	A2
33	3921	49.3	+40 58	9.0	F5	3661	49.8	+37 52	11.0	Ao	..	50.4	+38 36	11.7	A	3813	51.0	+38 36	11.5	Mo
34	..	49.3	+40 39	11.8	K5	3662	49.8	+37 22	9.9	Fo	..	50.4	+37 30	10.9	Ao	3812	51.0	+38 28	10.0	A3
35	3920	49.3	+40 8	10.8	A	3754	49.8	+36 58	10.6	K2	..	50.4	+36 51	11.4	Ko	..	51.0	+37 54	11.4	K8
36	..	49.3	+39 37	11.2	Ao	..	49.8	+36 33	11.4	K	..	50.4	+36 2	11.3	Ko	3671	51.0	+37 47	10.8	G5
37	*3797*	49.3	+39 1	9.3	A3	3753	49.8	+36 21	10.7	G5	3854	50.4	+35 34	10.0	A2	..	51.0	+37 7	10.9	A3
38	3750	49.3	+36 49	10.0	F2	3776	49.8	+34 55	10.6	F5	..	50.4	+34 36	10.8	A3	..	51.0	+36 38	11.4	Ao
39	3923	49.4	+40 21	10.4	A2	3775	49.8	+34 41	10.7	Ao	..	50.4	+33 10	11.5	K2	3762	51.0	+36 29	10.9	G
40	3925	49.4	+40 8	10.7	A2	3777	49.8	+34 36	10.9	F8	3616	50.4	+32 40	10.5	F2	3856	51.0	+35 41	10.7	A3
41	..	49.4	+39 40	11.1	F2	..	49.8	+34 30	11.2	Fo	..	50.4	+32 39	11.1	A	..	51.0	+35 24	10.9	Fo
42	..	49.4	+39 20	11.3	Fo	3613	49.8	+32 49	10.9	G5	..	50.5	+41 59	10.7	Ao	..	51.0	+35 8	11.0	A3
43	3658	49.4	+37 8	9.4	Mo	3526	49.9	+41 8	10.6	Ko	3531	50.5	+41 7	10.7	A3	..	51.0	+34 22	11.7	F2
44	..	49.4	+36 35	11.4	A	..	49.9	+40 36	11.4	Ao	..	50.5	+40 1	10.9	G5	*3621*	51.0	+33 6	9.6	A3
45	3751	49.4	+36 17	11.0	A7	..	49.9	+37 10	10.9	Fo	..	50.5	+36 52	11.3	F2	3936	51.1	+40 38	10.6	Go
46	3849	49.4	+35 50	10.6	Go	3804	50.0	+38 8	10.3	Ao	..	50.6	+41 32	10.6	F8	..	51.1	+39 7	10.6	Ao
47	3770	49.4	+34 12	10.1	G5	3664	50.0	+37 51	10.2	A2	3934	50.6	+40 39	10.4	F8	..	51.1	+38 34	10.9	Fo
48	*3636*	49.4	+34 0	10.3	Ao	..	50.0	+35 42	10.8	Go	..	50.6	+39 34	11.8	Ao	3765	51.1	+36 53	10.5	A7
49	3635	49.4	+33 20	11.1	K2	..	50.0	+34 2	10.6	A2	3949	50.6	+39 8	10.7	B9	3763	51.1	+36 41	9.5	F8
50	3611	49.4	+32 47	9.8	Ao	..	50.0	+33 26	11.5	A	..	50.6	+38 4	11.5	Ao	3764	51.1	+36 29	10.9	K2

$+32°.6$ to $+41°.6$

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226500

$19^h51^m.1$ to $19^h53^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	51.1	+35 46	11.0	A7	..	51.6	+35 17	11.6	A	*3773*	52.1	+37 2	10.7	A2	3820	52.6	+38 36	10.2	B9
2	3787	51.1	+34 45	9.7	F8	..	51.6	+33 32	11.3	A	3866	52.1	+35 48	9.6	F5	3818	52.6	+38 29	10.1	K0
3	..	51.1	+34 30	11.1	A0	..	51.6	+32 52	11.0	A2	..	52.1	+33 23	11.3	K0	..	52.6	+38 15	11.0	A0
4	3649	51.1	+33 28	10.5	K0	..	51.6	+32 36	10.5	A0	..	52.2	+39 44	10.8	A0	..	52.6	+38 7	11.0	A
5	3648	51.1	+33 25	11.0	K	..	51.7	+41 4	10.6	A	..	52.2	+39 11	11.0	A2	3682	52.6	+37 50	10.4	B9
6	..	51.2	+39 14	10.8	A5	3941	51.7	+40 33	9.2	A0	..	52.2	+38 41	11.6	A	3683	52.6	+37 20	9.7	A2
7	3951	51.2	+39 8	11.3	M0	..	51.7	+39 12	11.4	A	3816	52.2	+38 20	9.3	G0	..	52.6	+37 12	11.3	G0
8	3672	51.2	+37 57	10.1	K0	..	51.7	+39 8	11.9	A	..	52.2	+38 8	11.2	A	..	52.6	+36 29	11.0	A
9	..	51.2	+36 9	11.4	A0	..	51.7	+38 52	11.0	A0	3680	52.2	+37 58	10.3	A5	3870	52.6	+35 45	10.9	G5
10	3857	51.2	+35 33	10.0	K0	..	51.7	+34 6	11.4	K2	3679	52.2	+37 48	11.4	K7	..	52.6	+35 43	11.1	A3
11	3858	51.2	+35 16	9.6	A2	..	51.7	+33 24	11.3	A2	..	52.2	+37 24	10.7	A7	3871	52.6	+35 38	10.2	A0
12	..	51.2	+35 6	10.9	G0	..	51.7	+33 18	11.1	A	..	52.2	+36 44	11.5	A	..	52.6	+35 28	11.4	A
13	3789	51.2	+34 40	10.5	K5	..	51.8	+39 43	11.4	K0	3795	52.2	+34 9	11.5	K5	..	52.6	+35 27	11.0	M0
14	3788	51.2	+34 13	11.0	K2	3956	51.8	+39 12	10.9	B9	..	52.2	+33 30	11.1	F	..	52.6	+35 11	10.3	F0
15	3624	51.2	+32 52	9.8	A2	..	51.8	+38 53	10.9	A2	3633	52.2	+32 40	10.7	K0	..	52.6	+33 51	10.8	A0
16	3937	51.3	+40 37	9.5	A3	3771	51.8	+36 12	11.1	K2	3538	52.3	+41 20	9.9	F8	..	52.6	+33 38	11.3	A2
17	*3674*	51.3	+38 4	11.9	M	..	51.8	+35 51	11.6	K5	..	52.3	+39 44	10.8	A0	..	52.6	+33 4	11.3	F0
18	..	51.3	+37 46	11.0	A	..	51.8	+33 18	11.6	A	..	52.3	+39 26	10.7	A0	..	52.7	+41 12	10.8	F0
19	3673	51.3	+37 8	10.2	G0	..	51.9	+40 58	10.6	A5	..	52.3	+39 5	11.1	F5	..	52.7	+40 58	11.3	F5
20	3767	51.3	+36 37	10.3	F0	3943	51.9	+40 17	10.3	A7	..	52.3	+38 34	11.6	G0	..	52.7	+36 56	11.4	A
21	..	51.3	+36 9	12.0	M	3945	51.9	+40 14	9.1	A2	..	52.3	+37 50	11.6	M	..	52.7	+33 39	11.3	B9
22	..	51.3	+35 34	11.4	A2	3944	51.9	+40 12	10.3	A	..	52.3	+37 38	11.5	K	3638	52.7	+32 39	10.3	A0
23	..	51.3	+35 13	10.8	A0	..	51.9	+39 7	10.7	K5	..	52.3	+37 33	11.6	A0	3684	52.8	+37 22	10.4	F5
24	..	51.3	+34 52	11.7	A5	*3677*	51.9	+38 0	10.0	F2	..	52.3	+36 9	11.3	K	..	52.8	+36 54	11.0	A0
25	3650	51.3	+33 59	10.6	F0	..	51.9	+37 34	11.5	F	..	52.3	+34 30	11.2	K0	3873	52.8	+35 51	11.1	F8
26	3651	51.3	+33 49	9.5	A5	..	51.9	+36 55	11.2	F5	..	52.3	+33 55	11.5	A7	..	52.8	+35 27	11.1	F5
27	..	51.4	+40 53	10.7	A0	3772	51.9	+36 40	10.3	A2	..	52.4	+41 46	11.0	F0	..	52.8	+34 54	11.8	A2
28	3938	51.4	+40 21	10.3	A3	..	51.9	+36 22	11.2	G	3949	52.4	+40 8	9.4	B8	..	52.8	+34 52	11.2	G0
29	..	51.4	+37 32	11.1	K2	..	51.9	+36 12	11.7	A	*3960*	52.4	+40 5	10.1	G0	3799	52.8	+34 42	10.3	A2
30	3675	51.4	+37 27	10.1	A3	..	51.9	+34 41	10.9	A0	..	52.4	+38 52	10.2	F2	3800	52.8	+34 37	10.5	F0
31	..	51.4	+37 23	10.4	A3	3793	51.9	+34 31	10.9	K5	..	52.4	+38 51	10.1	A3	3659	52.8	+33 27	10.8	A3
32	3768	51.4	+36 44	10.4	B8	3792	51.9	+34 26	10.5	A3	..	52.4	+37 55	10.3	A2	..	52.9	+40 29	11.4	G5
33	3861	51.4	+35 55	9.6	K0	..	52.0	+41 2	11.2	A	3774	52.4	+36 27	10.1	A0	..	52.9	+40 0	10.5	F8
34	3860	51.4	+35 36	10.4	G	3958	52.0	+39 19	10.2	K0	*3869*	52.4	+36 6	10.3	K5	..	52.9	+39 50	11.1	G0
35	3859	51.4	+35 35	10.3	K	3678	52.0	+37 58	10.3	A3	3868	52.4	+35 16	9.3	A7	3875	52.9	+35 48	10.9	K0
36	..	51.4	+35 21	11.9	A	..	52.0	+37 42	10.8	F8	3657	52.4	+33 16	10.4	A7	..	52.9	+35 32	11.4	A2
37	..	51.4	+33 52	11.2	F5	..	52.0	+37 18	10.7	A2	*3950*	52.5	+41 2	11.2	K5	3874	52.9	+35 18	9.4	A7
38	3653	51.4	+33 45	10.5	A0	..	52.0	+36 57	11.2	A	..	52.5	+39 56	11.3	K	3801	52.9	+34 28	11.4	K2
39	3654	51.4	+33 43	10.5	G0	3864	52.0	+35 55	9.1	A2	..	52.5	+37 6	11.2	G	3659	52.9	+33 23	11.0	K2
40	3652	51.4	+33 14	9.9	F2	..	52.0	+35 18	11.4	A	3775	52.5	+36 41	9.8	A2	..	53.0	+39 23	10.9	F0
41	..	51.5	+39 37	11.4	A2	3794	52.0	+34 43	10.0	A2	3776	52.5	+36 17	9.7	A3	3821	53.0	+38 19	10.6	K5
42	..	51.5	+36 30	11.4	A0	..	52.0	+34 23	11.5	G	*3796*	52.5	+35 7	10.4	A5	3877	53.0	+35 26	10.8	K2
43	3791	51.5	+34 19	10.7	F5	..	52.0	+34 21	11.1	A0	3797	52.5	+34 58	10.0	A0	..	53.0	+33 29	11.4	G0
44	3940	51.6	+40 45	10.7	A0	*3630*	52.0	+33 3	11.3	K8	3658	52.5	+33 58	10.5	A3	..	53.0	+33 3	11.3	A2
45	3955	51.6	+39 8	9.5	A0	..	52.0	+32 47	11.5	K	..	52.5	+33 34	11.1	A0	3540	53.1	+41 56	10.8	K0
46	3676	51.6	+37 44	11.0	K5	3631	52.0	+32 39	10.3	B8	3961	52.6	+39 30	10.1	A7	3541	53.1	+41 12	10.5	A7
47	..	51.6	+37 18	11.1	A5	3537	52.1	+41 19	9.5	F2	..	52.6	+39 21	11.1	A3	3951	53.1	+40 33	9.8	A2
48	..	51.6	+36 20	11.6	A	3947	52.1	+40 33	9.4	K0	..	52.6	+39 18	11.4	K5	3952	53.1	+40 25	11.3	G0
49	3769	51.6	+36 18	10.4	A3	..	52.1	+39 14	11.0	F0	..	52.6	+38 48	11.8	A	..	53.1	+40 8	11.0	A5
50	3862	51.6	+35 37	10.3	G5	3815	52.1	+38 51	10.8	G0	3819	52.6	+38 42	10.8	K7	3962	53.1	+39 59	9.8	B9

$+32°.6$ to $+41°.6$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	53.1	+39 26	10.7	A3	3782	53.5	+36 30	10.5	Fo	..	54.0	+36 57	10.8	Fo	*3646*	54.4	+33 1	10.5	Go
2	3824	53.1	+38 45	10.4	Fo	..	53.5	+36 30	10.7	A	3788	54.0	+36 46	9.7	F8	..	54.4	+32 44	10.7	Ao
3	..	53.1	+38 1	10.4	A2	3807	53.5	+34 19	9.8	Ko	..	54.0	+34 56	10.7	Ao	..	54.5	+41 43	11.4	A
4	..	53.1	+37 12	10.5	A	3544	53.6	+41 18	9.4	K2	3809	54.0	+34 45	10.4	A3	*3959*	54.5	+41 2	9.3	A2
5	..	53.1	+36 39	10.8	F8	3545	53.6	+41 11	9.3	A5	3664	54.0	+33 39	9.5	B9	..	54.5	+39 16	11.7	Ao
6	3777	53.1	+36 32	10.1	Fo	3965	53.6	+39 39	9.3	Ko	..	54.1	+41 21	11.4	A	..	54.5	+38 44	11.0	A
7	3880	53.1	+35 46	9.4	B9	..	53.6	+39 25	10.8	A2	..	54.1	+40 30	11.4	A	3891	54.5	+35 54	9.9	B3
8	3879	53.1	+35 26	11.0	Ko	..	53.6	+39 13	10.9	F5	3955	54.1	+40 11	9.4	G5	3981	54.6	+39 52	10.9	K
9	3802	53.1	+34 43	11.3	Ko	3828	53.6	+38 59	10.7	A3	*3972*	54.1	+40 3	11.5	Go	3982	54.6	+39 18	11.6	K5
10	3660	53.1	+33 22	10.8	K2	3829	53.6	+38 51	10.9	A	..	54.1	+39 32	11.4	Ao	3841	54.6	+38 57	10.4	A2
11	..	53.1	+33 11	11.2	F2	3830	53.6	+38 37	9.9	A7	3695	54.1	+37 39	9.5	Fo	..	54.6	+38 52	11.1	G5
12	3953	53.2	+40 49	10.7	A3	..	53.6	+38 6	11.4	A	3789	54.1	+36 16	10.7	Ao	..	54.6	+37 28	11.4	A7
13	..	53.2	+39 1	11.8	K	..	53.6	+37 28	11.5	K2	..	54.1	+35 43	10.8	F5	3701	54.6	+37 19	10.3	K2
14	..	53.2	+38 46	10.3	Ao	..	53.6	+34 4	11.6	Ko	..	54.1	+35 35	11.7	K5	..	54.6	+37 11	11.4	F8
15	3822	53.2	+38 24	10.7	Ko	..	53.6	+33 30	11.1	K1	3666	54.1	+33 37	10.4	B9	..	54.6	+36 6	11.5	A
16	3823	53.2	+38 16	9.3	B8	*3966*	53.7	+40 6	9.9	A2	3957	54.2	+40 37	10.7	K5	..	54.6	+35 22	11.5	A
17	..	53.2	+37 53	10.5	A2	3831	53.7	+38 47	9.3	A3	..	54.2	+38 40	11.0	Ko	*3814*	54.6	+35 1	11.0	A7
18	3689	53.2	+37 9	10.6	Ko	3692	53.7	+37 15	10.0	A5	..	54.2	+38 26	10.9	A	3815	54.6	+34 56	10.0	B
19	..	53.2	+36 18	10.4	F5	..	53.7	+37 9	10.4	A	3697	54.2	+37 57	10.3	Ao	3672	54.6	+33 20	10.3	Ao
20	3882	53.2	+35 42	10.9	K8	3784	53.7	+36 53	9.2	B3	3699	54.2	+37 46	10.6	A7	..	54.6	+33 12	11.7	A
21	..	53.2	+34 40	11.1	A3	..	53.7	+34 10	11.2	Ko	3696	54.2	+37 43	10.8	K8	3650	54.6	+32 51	10.5	G5
22	..	53.2	+34 29	11.4	Fo	*3661*	53.7	+34 1	11.5	K7	*3791*	54.2	+37 6	9.3	Go	3649	54.6	+32 43	9.6	Go
23	3642	53.2	+32 42	10.9	Ao	3644	53.7	+32 38	10.8	Fo	..	54.2	+36 54	10.8	A2	..	54.7	+40 40	11.3	Fo
24	3542	53.3	+41 36	10.6	Mo	3546	53.8	+41 55	9.4	Go	3887	54.2	+35 51	10.7	F8	3960	54.7	+40 19	8.6	Ao
25	..	53.3	+41 36	11.0	A	3969	53.8	+39 23	9.5	Ko	..	54.2	+35 32	11.2	A	3844	54.7	+38 57	10.2	Ko
26	3963	53.3	+39 22	10.8	F8	..	53.8	+37 46	11.2	A	3810	54.2	+34 27	10.5	K2	3842	54.7	+38 19	10.0	Ao
27	*3690*	53.3	+38 2	10.4	A3	3787	53.8	+36 58	10.8	Ao	3668	54.2	+33 50	10.2	A3	3792	54.7	+36 55	10.9	Mo
28	3778	53.3	+36 50	10.1	Fo	3785	53.8	+36 18	10.4	Ko	3667	54.2	+33 27	11.1	Go	..	54.7	+35 55	10.7	A
29	3883	53.3	+35 39	9.6	Ko	3786	53.8	+36 12	10.5	Fo	..	54.2	+33 4	11.3	A5	3892	54.7	+35 37	9.7	A2
30	3884	53.3	+35 35	9.5	B9	3885	53.8	+35 47	10.1	A7	*3974*	54.3	+40 4	11.4	Go	3673	54.7	+33 48	11.5	M
31	3803	53.3	+34 43	11.5	Mo	3808	53.8	+34 37	10.5	A5	3976	54.3	+39 44	11.1	Fo	..	54.7	+33 9	10.9	A8
32	..	53.3	+33 59	11.4	Ao	..	53.8	+34 18	10.8	A3	3975	54.3	+39 21	10.6	G5	..	54.8	+40 53	11.3	F5
33	..	53.3	+32 55	11.5	K2	..	53.8	+33 34	10.9	A3	3700	54.3	+37 47	10.6	F5	3984	54.8	+39 56	9.1	B3
34	..	53.3	+32 43	10.8	F8	3662	53.8	+33 31	10.4	Ko	..	54.3	+37 8	10.4	A2	..	54.8	+38 18	10.0	Ao
35	..	53.3	+32 41	10.8	F5	3970	53.9	+39 15	9.8	A3	..	54.3	+36 58	11.1	A3	..	54.8	+38 12	10.8	A
36	3964	53.4	+39 55	9.6	B9	..	53.9	+38 14	10.0	A2	3888	54.3	+35 17	11.7	Ko	3702	54.8	+37 34	10.8	F8
37	..	53.4	+38 1	10.9	Ko	3833	53.9	+38 14	10.2	F8	..	54.3	+33 5	11.7	M	..	54.8	+35 43	10.2	Ao
38	3779	53.4	+36 35	10.8	Ko	..	53.9	+38 3	10.4	A5	3645	54.3	+32 45	10.7	K5	..	54.8	+35 21	10.5	A7
39	3780	53.4	+36 25	10.4	Ao	..	53.9	+37 58	10.5	Ao	3980	54.4	+39 43	10.8	Go	..	54.8	+34 41	11.5	F
40	..	53.4	+35 49	10.8	A7	..	53.9	+37 17	10.9	A	3977	54.4	+39 35	11.4	K8	..	54.8	+34 25	11.3	K5
41	..	53.4	+35 43	10.8	B9	..	53.9	+34 7	11.5	A2	3979	54.4	+39 17	9.7	A2	3818	54.8	+34 17	10.5	Go
42	..	53.4	+35 41	11.4	K7	..	54.0	+41 46	10.9	A3	3978	54.4	+39 13	10.8	Ko	..	54.8	+33 27	11.5	Go
43	3804	53.4	+34 54	10.1	A2	..	54.0	+41 15	11.4	A2	3840	54.4	+38 50	11.0	Ao	3961	54.9	+40 27	10.5	B9
44	3805	53.4	+34 25	10.4	Ao	..	54.0	+41 5	11.4	Ao	..	54.4	+37 16	10.2	B5	..	54.9	+40 8	11.0	Ao
45	..	53.4	+34 9	11.5	G5	3954	54.0	+40 23	9.3	B8	..	54.4	+36 19	10.7	A7	3845	54.9	+38 9	10.1	A3
46	..	53.4	+33 47	11.4	Fo	3971	54.0	+39 23	10.9	Ko	3811	54.4	+34 27	10.5	K7	..	54.9	+37 29	11.2	A2
47	3825	53.5	+38 40	10.9	A7	3835	54.0	+38 14	10.0	Fo	..	54.4	+34 23	11.0	B9	..	54.9	+37 2	11.0	Fo
48	..	53.5	+38 34	11.3	M	..	54.0	+37 57	11.0	Ao	*3671*	54.4	+34 2	10.9	A	3793	54.9	+36 36	11.2	K5
49	3826	53.5	+38 9	9.5	B8	3693	54.0	+37 40	9.7	A8	..	54.4	+34 1	11.0	A	3893	54.9	+35 52	11.3	Go
50	3781	53.5	+36 59	10.9	A	..	54.0	+37 4	10.3	B8	3669	54.4	+33 48	10.5	Mo	..	54.9	+35 21	10.5	B9

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226900 — **$19^h\ 54^m.9$ to $19^h\ 57^m.1$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	54.9	+34 24	11.3	A7	3899	55.5	+35 51	9.3	B	..	56.0	+36 12	10.9	B9	3809	56.6	+36 11	10.5	B9
2	..	54.9	+33 14	10.8	A8	3678	55.5	+33 55	11.3	K7	*3907*	56.0	+36 6	10.8	K7	..	56.6	+35 36	10.9	Fo
3	3552	55.0	+41 29	10.9	Ko	3677	55.5	+33 44	10.8	Ko	..	56.0	+35 44	10.8	F2	3910	56.6	+35 31	10.4	Ao
4	3551	55.0	+41 21	11.4	F5	..	55.6	+39 52	10.8	A3	3906	56.0	+35 33	9.9	A7	..	56.7	+38 4	11.2	A2
5	*3846*	55.0	+39 5	10.0	B5	3986	55.6	+39 26	10.6	G5	..	56.0	+34 46	11.5	Ao	..	56.7	+38 1	11.3	A
6	3847	55.0	+38 20	10.0	K2	3849	55.6	+38 39	10.3	Go	..	56.0	+33 12	11.2	Ao	3722	56.7	+37 33	11.3	Go
7	3704	55.0	+37 55	10.5	Go	3802	55.6	+36 16	10.2	A2	3679	56.0	+33 11	10.9	Ao	3810	56.7	+36 24	10.8	Ao
8	..	55.0	+37 28	11.1	K5	3900	55.6	+35 36	9.7	A5	3659	56.0	+32 48	10.1	G5	3911	56.7	+35 48	10.9	G5
9	3894	55.0	+35 21	10.5	Ko	..	55.6	+33 3	11.4	A	3558	56.1	+41 47	10.9	F5	3912	56.7	+35 14	10.5	B8
10	3820	55.0	+34 11	11.4	F5	3656	55.6	+32 36	10.4	Ko	3559	56.1	+41 36	11.1	K5	..	56.7	+34 54	11.4	Fo
11	3674	55.0	+33 37	10.5	K3	3555	55.7	+41 9	11.3	A3	3968	56.1	+40 55	10.1	A3	..	56.7	+33 59	10.9	Ao
12	..	55.0	+33 7	10.9	A2	3851	55.7	+38 25	10.0	Fo	..	56.1	+38 39	10.5	B3	..	56.7	+33 52	10.6	Ao
13	..	55.0	+32 56	10.8	Ao	*3713*	55.7	+38 6	10.7	Ko	..	56.1	+38 7	11.4	Ko	..	56.7	+33 46	11.1	Ao
14	..	55.1	+40 47	11.3	Fo	..	55.7	+36 13	11.3	G5	..	56.1	+38 4	11.4	K5	3685	56.7	+33 18	10.4	F5
15	3962	55.1	+40 12	9.6	A2	3903	55.7	+35 56	10.3	Ko	3718	56.1	+37 51	11.2	K8	3560	56.8	+41 49	10.9	Ko
16	..	55.1	+39 14	11.8	K2	3901	55.7	+35 29	9.5	A5	..	56.1	+37 42	10.9	Fo	..	56.8	+40 43	11.5	A
17	..	55.1	+35 56	11.5	K2	..	55.8	+41 20	11.6	K2	..	56.1	+35 39	10.7	F8	3972	56.8	+40 27	10.2	G5
18	*3821*	55.1	+35 5	10.9	K5	*3965*	55.8	+41 3	10.6	F5	*3828*	56.1	+35 2	9.5	B	3994	56.8	+39 50	9.9	Fo
19	3822	55.1	+34 49	9.7	A3	3964	55.8	+40 13	10.7	G5	3829	56.1	+34 30	10.9	F2	3812	56.8	+36 51	10.8	M5
20	..	55.1	+34 34	10.9	F2	*3987*	55.8	+40 3	10.3	A3	..	56.2	+39 18	11.4	G	3811	56.8	+36 16	10.2	B3
21	..	55.1	+34 30	10.9	Ko	3852	55.8	+38 19	10.0	Ao	..	56.2	+39 15	12.0	K5	..	56.8	+35 57	11.5	A
22	3823	55.1	+34 23	10.2	Ko	..	55.8	+36 53	11.1	A3	3855	56.2	+38 31	9.9	Ao	*3834*	56.8	+35 1	10.5	A3
23	3985	55.2	+39 29	10.8	F8	..	55.8	+36 0	10.6	A3	..	56.2	+35 43	10.7	A3	..	56.8	+34 49	10.8	G5
24	*3707*	55.2	+38 6	10.0	A	..	55.8	+33 33	11.5	Ko	..	56.2	+33 38	11.7	A	..	56.8	+34 0	10.9	Fo
25	*3706*	55.2	+38 5	10.4	G5	..	55.8	+33 12	11.0	Ao	3970	56.3	+40 44	9.8	A5	..	56.8	+33 3	10.8	Ko
26	3705	55.2	+37 42	10.8	K8	..	55.8	+33 2	11.5	A2	..	56.3	+36 3	10.9	A5	3669	56.8	+32 39	11.0	K2
27	3795	55.2	+36 40	10.5	A	..	55.8	+32 55	11.6	K5	..	56.3	+35 4	11.1	A5	..	56.9	+37 18	11.6	A5
28	3796	55.2	+36 40	10.6	G	3556	55.9	+41 53	10.8	K2	3682	56.3	+33 30	10.6	F8	..	56.9	+36 21	11.1	A
29	3797	55.2	+36 8	10.6	G5	3966	55.9	+40 47	10.8	Fo	3681	56.3	+33 9	11.5	K2	..	56.9	+35 42	11.0	A
30	3896	55.2	+35 42	10.0	B8	..	55.9	+39 58	11.3	A2	3663	56.3	+32 43	10.8	Ko	..	56.9	+35 7	11.1	Ao
31	..	55.2	+34 8	11.6	A	3988	55.9	+39 35	10.8	Ko	3969	56.4	+40 31	11.5	Ko	3563	57.0	+41 54	10.7	Mo
32	3675	55.2	+33 43	10.5	Go	3854	55.9	+38 21	10.0	A2	..	56.4	+40 30	10.2	B8	..	57.0	+40 33	11.5	A5
33	..	55.2	+32 53	10.6	A3	..	55.9	+37 9	11.6	A	..	56.4	+40 4	10.8	A2	3995	57.0	+39 29	9.1	B5
34	..	55.3	+39 4	11.3	A3	3905	55.9	+35 28	10.2	Fo	..	56.4	+38 32	10.6	Ko	*3863*	57.0	+39 0	10.6	K8
35	..	55.3	+38 23	11.5	K2	3827	55.9	+34 33	11.7	Ko	3720	56.4	+37 53	10.9	K7	..	57.0	+38 14	11.7	G5
36	3798	55.3	+36 54	9.9	Fo	..	55.9	+34 28	11.5	Fo	3719	56.4	+37 17	10.2	F8	..	57.0	+37 31	11.2	A
37	..	55.3	+36 1	11.3	G	..	55.9	+32 47	11.6	Ao	..	56.4	+36 6	11.1	A	..	57.0	+37 27	11.6	A
38	3824	55.3	+34 56	10.4	Ao	..	55.9	+32 38	10.5	Ao	..	56.4	+35 43	10.9	Go	..	57.0	+37 15	11.5	A
39	..	55.4	+41 1	11.3	F8	3967	56.0	+40 55	9.5	A7	3684	56.4	+33 52	10.5	G5	..	57.0	+36 44	10.9	Ao
40	..	55.4	+39 45	10.8	F8	3989	56.0	+39 16	10.8	A5	*3665*	56.4	+33 6	11.5	Fo	3813	57.0	+36 25	11.2	A
41	..	55.4	+38 36	10.7	A	..	56.0	+38 17	10.8	A	*3971*	56.5	+41 0	10.8	Mo	3815	57.0	+36 18	10.2	Ao
42	*3709*	55.4	+38 4	11.3	A2	..	56.0	+38 2	11.3	Ao	..	56.5	+39 48	10.8	A2	..	57.0	+35 56	11.5	A3
43	*3800*	55.4	+37 0	11.0	F8	3716	56.0	+37 48	10.9	Ko	*3859*	56.5	+39 2	10.9	F8	*3687*	57.0	+34 3	10.5	Go
44	3801	55.4	+36 40	10.3	B8	3715	56.0	+37 40	10.3	G5	3858	56.5	+38 58	11.0	K2	..	57.0	+33 59	10.9	A3
45	3799	55.4	+36 12	10.6	M2	..	56.0	+37 40	10.9	A	..	56.5	+34 34	10.9	A3	..	57.0	+33 42	10.9	Ao
46	3897	55.4	+35 22	10.8	A2	3714	56.0	+37 22	10.8	Fo	3831	56.5	+34 17	10.9	Go	3686	57.0	+33 32	10.4	Go
47	3654	55.4	+32 35	10.5	F5	3717	56.0	+37 17	10.8	Go	..	56.5	+34 8	11.5	K5	*3671*	57.0	+33 7	10.5	Ao
48	3963	55.5	+40 19	10.5	F2	*3803*	56.0	+37 0	11.1	Go	3860	56.6	+38 30	9.0	Fo	3672	57.0	+32 36	10.8	Go
49	3848	55.5	+38 15	9.1	B5	..	56.0	+36 40	11.1	F5	3721	56.6	+37 13	10.2	K2	3564	57.1	+41 12	10.2	A2
50	3711	55.5	+37 53	10.1	B5	3804	56.0	+36 26	10.6	A3	..	56.6	+36 45	11.0	A3	3835	57.1	+34 24	10.1	F5

$+32°.6$ to $+41.°6$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	57.1	+33 49	11.5	A7	..	57.7	+33 50	10.5	Ao	..	58.3	+41 7	10.8	Ao	..	58.6	+33 24	10.5	F8
2	..	57.1	+33 2	10.5	Ao	..	57.8	+39 44	11.1	Ao	3981	58.3	+40 35	10.5	K5	..	58.6	+33 9	11.1	Ao
3	*3974*	57.2	+41 1	10.1	A5	..	57.8	+39 1	11.0	A2	4009	58.3	+39 53	10.1	F8	3578	58.7	+41 45	10.1	Ko
4	..	57.2	+39 16	10.9	Ao	..	57.8	+38 40	11.4	Ao	..	58.3	+39 27	10.9	Ao	3577	58.7	+41 10	10.4	A3
5	..	57.2	+36 0	11.5	A2	..	57.8	+38 3	11.1	Go	..	58.3	+38 26	10.7	Ao	..	58.7	+41 4	10.9	A
6	3913	57.2	+35 54	10.7	Ao	..	57.8	+37 9	11.0	B8	3729	58.3	+37 38	11.0	Go	..	58.7	+39 58	11.0	F8
7	3688	57.2	+33 16	11.0	F8	..	57.8	+36 36	11.4	A	3825	58.3	+36 27	10.1	B3	..	58.7	+38 41	10.2	Fo
8	..	57.3	+40 1	12.0	A7	3841	57.8	+34 36	9.8	A3	..	58.3	+35 42	11.3	Go	..	58.7	+38 23	11.0	Ao
9	3999	57.3	+39 33	10.0	K2	..	57.8	+33 40	10.9	Fo	..	58.3	+33 27	11.5	Ao	..	58.7	+38 16	11.5	G
10	3998	57.3	+39 10	9.1	B8	..	57.8	+33 34	11.5	G5	..	58.4	+41 57	10.7	A2	..	58.7	+35 39	11.5	K
11	..	57.3	+38 4	11.1	A	3678	57.8	+32 53	10.5	Go	3984	58.4	+40 59	9.1	Ao	..	58.7	+32 53	11.4	Ao
12	3818	57.3	+36 50	9.9	Mo	3570	57.9	+41 32	11.3	K5	4010	58.4	+39 14	10.0	K2	..	58.8	+41 42	10.9	Ko
13	..	57.3	+34 36	11.1	F8	3979	57.9	+40 13	9.4	A2	..	58.4	+38 54	10.7	Ao	3580	58.8	+41 31	10.7	F2
14	3836	57.3	+34 9	10.4	Ao	*4005*	57.9	+40 4	10.0	Mo	..	58.4	+38 40	11.3	F	..	58.8	+41 29	10.7	A5
15	3689	57.3	+33 30	10.5	Ko	3868	57.9	+38 45	11.0	K7	3730	58.4	+37 53	10.2	B8	3579	58.8	+41 21	10.3	K5
16	..	57.3	+32 44	11.5	A3	3867	57.9	+38 15	10.8	G5	*3922*	58.4	+36 7	10.0	Ao	..	58.8	+41 13	11.4	A
17	3566	57.4	+41 42	10.6	K2	3918	57.9	+35 28	11.3	Ko	..	58.4	+35 55	11.4	A	..	58.8	+41 2	10.5	A7
18	..	57.4	+40 54	10.9	A7	3842	57.9	+34 50	9.9	A2	3921	58.4	+35 50	9.9	Go	*4013*	58.8	+40 3	11.4	Ko
19	3976	57.4	+40 39	10.3	G5	3692	57.9	+33 24	11.0	Go	3923	58.4	+35 36	10.9	Ko	4012	58.8	+39 38	9.6	B8
20	3975	57.4	+40 21	10.8	F8	4006	58.0	+39 16	10.8	Ko	..	58.4	+34 7	11.4	K2	*3875*	58.8	+39 0	10.6	K7
21	4002	57.4	+39 40	11.4	K8	3822	58.0	+36 31	9.4	Ao	*4011*	58.5	+40 0	8.7	B8	3876	58.8	+38 41	10.3	Ko
22	4001	57.4	+39 34	9.2	F5	3821	58.0	+36 12	10.2	Ko	..	58.5	+39 29	10.1	A2	..	58.8	+38 30	11.4	K
23	4000	57.4	+39 22	10.8	Ko	..	58.0	+35 16	11.2	B	..	58.5	+38 54	10.8	A2	*3731*	58.8	+38 6	9.5	A2
24	..	57.4	+38 24	10.6	A7	3919	58.0	+35 12	11.1	Ko	..	58.5	+38 36	11.2	Ko	..	58.8	+37 20	10.8	A3
25	3914	57.4	+35 53	11.2	K7	..	58.0	+33 38	10.5	A3	..	58.5	+36 43	11.0	A	*3830*	58.8	+37 7	9.9	Ko
26	..	57.4	+35 9	10.8	A3	3693	58.0	+33 12	10.9	G5	3826	58.5	+36 14	10.7	Ao	..	58.8	+35 58	10.8	A3
27	3837	57.4	+34 30	10.0	Ko	3680	58.0	+32 46	10.3	A3	3849	58.5	+34 48	10.5	A2	3926	58.8	+35 51	11.6	K5
28	3567	57.5	+41 20	10.0	Go	3574	58.1	+41 24	9.6	F5	3848	58.5	+34 25	9.4	Ao	..	58.8	+35 50	11.2	G
29	..	57.5	+40 12	11.0	B9	..	58.1	+40 56	11.5	Ao	3696	58.5	+33 46	11.1	G5	3925	58.8	+35 25	10.0	F5
30	..	57.5	+37 51	10.9	Ao	4008	58.1	+39 32	10.0	Go	3695	58.5	+33 18	10.3	Ko	..	58.8	+34 54	11.6	A
31	3819	57.5	+36 56	10.8	F8	..	58.1	+38 53	11.3	Fo	*3683*	58.5	+33 4	10.2	B8	..	58.8	+33 6	11.1	G5
32	3915	57.5	+35 41	10.2	B8	..	58.1	+37 37	11.1	A	..	58.5	+33 3	10.5	Ao	..	58.8	+32 47	11.0	Ao
33	..	57.5	+35 9	11.1	Ao	3823	58.1	+36 57	11.1	A3	3682	58.5	+32 54	10.9	Ko	3582	58.9	+41 42	10.4	G5
34	..	57.5	+35 9			3843	58.1	+34 31	9.8	A5	3576	58.6	+41 59	10.9	K7	3581	58.9	+41 19	10.3	Go
35	..	57.5	+34 19	12.0	M	..	58.1	+34 7	11.4	A	..	58.6	+39 54	11.0	F8	..	58.9	+39 39	10.8	Ao
36	..	57.5	+34 10	10.5	A5	..	58.1	+33 37	11.0	A2	..	58.6	+39 50	11.3	G5	3877	58.9	+38 13	10.9	K7
37	3838	57.5	+34 9	10.4	A2	3980	58.2	+40 37	10.2	K2	..	58.6	+39 49	10.7	A7	3732	58.9	+37 19	9.7	A2
38	..	57.5	+33 29	10.5	F5	3870	58.2	+38 14	11.8	M	*3874*	58.6	+39 2	9.2	Go	..	58.9	+36 6	11.0	Ao
39	..	57.6	+39 47	10.6	Go	3728	58.2	+37 50	10.0	A5	..	58.6	+38 50	10.9	K7	..	58.9	+35 9	11.1	Fo
40	..	57.6	+39 37	10.7	F	..	58.2	+37 8	11.3	F8	3872	58.6	+38 32	11.2	K2	3851	58.9	+34 33	10.5	Go
41	4004	57.6	+39 24	11.0	K2	..	58.2	+36 34	11.1	A	3873	58.6	+38 15	11.0	Go	3700	58.9	+33 49	10.6	Go
42	..	57.6	+38 32	11.0	Ao	3824	58.2	+36 13	10.2	A7	3827	58.6	+36 49	10.7	B	3702	58.9	+33 21	9.3	A7
43	3726	57.6	+37 33	10.2	B9	..	58.2	+36 0	11.5	A	3829	58.6	+36 40	10.3	A2	..	59.0	+41 23	10.7	K2
44	3916	57.6	+35 48	10.7	A2	*3844*	58.2	+35 5	11.0	Ao	3828	58.6	+36 9	9.7	Fo	*3987*	59.0	+41 3	9.1	Ko
45	..	57.6	+33 34	11.1	A5	3845	58.2	+34 57	11.1	K5	3924	58.6	+35 24	10.2	B	..	59.0	+40 53	10.6	F8
46	..	57.6	+33 6	11.5	A	3846	58.2	+34 12	10.6	K5	..	58.6	+35 18	11.2	A	3988	59.0	+40 49	11.0	Ko
47	3978	57.7	+40 55	9.8	A3	3694	58.2	+33 22	10.5	K8	*3850*	58.6	+35 2	9.2	B2	..	59.0	+40 44	10.8	Ao
48	..	57.7	+38 48	10.9	K2	..	58.2	+33 17	11.0	F8	..	58.6	+34 59	11.1	A7	3986	59.0	+40 32	9.7	Ao
49	3866	57.7	+38 23	11.4	K2	..	58.2	+33 4	11.4	G5	..	58.6	+34 16	11.2	K7	..	59.0	+40 29	11.3	K
50	3839	57.7	+34 51	9.9	Ko	3681	58.2	+32 51	10.7	A5	3697	58.6	+33 29	10.4	F2	3985	59.0	+40 9	10.8	K7

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	4014	59.0	+39 24	10.1	A2	3991	59.5	+40 40	10.3	K0	3886	0.0	+38 37	10.3	A2	3594	0.5	+41 27	11.1	G5
2	..	59.0	+38 41	10.0	A2	..	59.5	+40 34	10.9	F5	*3743*	0.0	+38 3	10.0	A0	4022	0.5	+39 41	10.0	F5
3	..	59.0	+38 31	11.2	G	..	59.5	+39 49	10.1	A	..	0.0	+37 17	10.9	G0	..	0.5	+38 58	10.8	A0
4	3733	59.0	+37 17	9.7	B9	3739	59.5	+37 13	11.2	K0	3843	0.0	+36 33	10.1	A5	..	0.5	+37 55	10.6	K2
5	..	59.0	+34 54	11.0	A5	3835	59.5	+36 36	9.5	F0	3842	0.0	+36 24	11.4	K	3849	0.5	+36 49	10.9	A0
6	3703	59.0	+33 31	9.9	A0	3836	59.5	+36 27	10.6	K7	..	0.0	+35 9	11.7	A0	..	0.5	+35 5	10.8	A0
7	..	59.1	+41 46	10.9	A	3837	59.5	+36 21	10.7	F8	3860	0.0	+34 31	10.6	K2	3595	0.6	+41 18	var.	A2
8	..	59.1	+41 22	10.8	A0	..	59.5	+35 50	11.6	F8	3859	0.0	+34 27	10.7	K0	3999	0.6	+40 11	9.5	A3
9	3989	59.1	+40 59	10.6	F5	3927	59.5	+35 20	11.2	K5	3857	0.0	+34 19	10.5	F5	3750	0.6	+37 56	10.7	K5
10	*3734*	59.1	+38 7	9.4	B8	..	59.5	+33 46	10.9	A0	*3711*	0.0	+34 5	10.8	B8	3936	0.6	+35 59	10.0	B3
11	3831	59.1	+36 16	10.5	A5	3588	59.6	+41 10	10.3	F8	3690	0.0	+32 52	10.7	A0	3937	0.6	+35 26	10.0	A0
12	..	59.1	+32 44	11.0	A2	3992	59.6	+40 59	8.8	K0	4021	0.1	+39 38	9.9	A0	..	0.6	+34 38	11.0	A0
13	3584	59.2	+41 41	10.8	F2	..	59.6	+39 41	10.7	A3	..	0.1	+37 46	11.9	F5	3718	0.6	+33 50	var.	G0
14	4015	59.2	+39 12	9.2	F8	..	59.6	+39 37	11.4	A0	..	0.1	+35 37	11.7	A	3719	0.6	+33 29	11.1	M
15	3878	59.2	+38 38	8.9	G0	*3882*	59.6	+39 4	11.3	K2	3932	0.1	+35 16	9.9	B3	3717	0.6	+33 25	10.7	F8
16	..	59.2	+38 24	11.0	A3	3883	59.6	+38 44	9.6	B9	..	0.1	+33 32	11.2	A5	..	0.6	+32 56	11.3	A
17	..	59.2	+38 7	10.8	G	..	59.6	+38 30	11.7	B9	..	0.2	+40 5	10.8	A0	3851	0.7	+36 43	10.1	A3
18	..	59.2	+37 56	10.4	K0	..	59.6	+36 6	11.6	A	3889	0.2	+38 29	10.4	B8	..	0.7	+36 30	11.4	A
19	3736	59.2	+37 25	9.5	A	3928	59.6	+35 38	10.6	A2	3888	0.2	+38 21	10.5	G0	3850	0.7	+36 26	11.3	G0
20	..	59.2	+37 0	11.4	A	..	59.6	+35 33	10.7	A	3844	0.2	+36 33	10.0	A0	*3938*	0.7	+36 3	10.0	A3
21	3852	59.2	+34 47	10.8	A2	..	59.6	+34 15	11.4	A7	3933	0.2	+35 34	9.4	A2	..	0.7	+35 38	11.3	A
22	..	59.2	+33 41	11.9	K2	..	59.6	+33 51	11.6	K0	..	0.2	+33 59	11.8	A	3862	0.7	+34 42	10.3	K2
23	..	59.2	+33 22	11.1	A0	..	59.6	+33 46	11.5	F8	3713	0.2	+33 37	9.7	B9	..	0.7	+34 39	11.1	A0
24	3586	59.3	+41 52	11.0	K5	..	59.7	+40 17	11.4	M	3712	0.2	+33 17	10.7	B2	3890	0.8	+38 37	10.1	A2
25	3587	59.3	+41 47	11.1	A	..	59.7	+39 36	10.8	A5	*3691*	0.2	+33 6	11.0	A0	..	0.8	+38 3	10.7	G0
26	..	59.3	+40 50	10.9	A	..	59.7	+39 2	11.4	A	..	0.2	+32 59	11.3	A5	..	0.8	+37 43	10.2	A0
27	..	59.3	+40 11	10.9	F	..	59.7	+37 59	9.9	A3	..	0.2	+32 45	11.1	F8	3751	0.8	+37 42	10.2	K2
28	..	59.3	+38 36	10.7	F5	..	59.7	+37 50	10.0	K0	..	0.3	+40 13	11.0	K	*3853*	0.8	+37 2	11.3	A0
29	3880	59.3	+38 10	9.6	G0	*3688*	59.7	+33 5	11.0	K0	..	0.3	+38 19	11.6	A	..	0.8	+35 35	11.8	K5
30	3737	59.3	+37 44	10.3	A7	3993	59.8	+40 42	10.5	F0	..	0.3	+38 5	10.5	A	3939	0.8	+35 18	9.5	A2
31	..	59.3	+35 49	11.6	G	4018	59.8	+39 23	10.1	B3	3745	0.3	+37 8	10.7	A	..	0.8	+34 15	11.3	G
32	*3706*	59.3	+34 3	10.6	A8	*3840*	59.8	+37 3	9.2	A5	..	0.3	+35 32	10.7	F0	..	0.8	+33 57	10.8	B9
33	3704	59.3	+33 33	10.8	F5	3839	59.8	+36 42	9.3	F0	3934	0.3	+35 26	10.9	F5	3721	0.8	+33 37	10.6	B9
34	3705	59.3	+33 26	10.6	K8	..	59.8	+36 39	10.9	F2	..	0.3	+34 20	11.1	A0	3722	0.8	+33 32	10.3	A0
35	4016	59.4	+39 49	10.1	K0	..	59.8	+36 22	11.4	G	..	0.3	+34 11	11.4	F0	4023	0.9	+39 56	9.7	B3
36	..	59.4	+39 23	10.4	A0	*3931*	59.8	+36 6	11.6	K	*3715*	0.3	+34 0	10.4	A0	..	0.9	+37 16	11.4	A
37	3881	59.4	+38 52	10.0	K5	..	59.8	+33 56	11.1	A0	..	0.4	+40 30	10.7	A	3854	0.9	+36 24	10.0	A7
38	..	59.4	+38 28	10.8	A	3710	59.8	+33 54	10.8	K2	3997	0.4	+40 25	11.1	K2	..	0.9	+32 45	11.1	A0
39	3738	59.4	+37 56	10.0	A0	..	59.8	+33 11	11.4	A3	..	0.4	+39 54	10.8	A2	..	1.0	+41 44	11.2	A
40	..	59.4	+37 41	10.4	K8	..	59.8	+32 49	10.5	A0	*3746*	0.4	+38 0	10.1	B8	3598	1.0	+41 12	10.0	A2
41	..	59.4	+37 36	11.1	G0	*3995*	59.9	+41 1	10.3	A2	..	0.4	+37 58	10.7	K7	4002	1.0	+40 49	9.7	A3
42	..	59.4	+37 30	11.3	M	*3885*	59.9	+39 7	10.0	A7	3747	0.4	+37 22	10.3	G5	3891	1.0	+38 52	10.7	K2
43	..	59.4	+37 0	11.4	A	3884	59.9	+38 46	9.5	K0	3847	0.4	+36 20	10.9	A0	3855	1.0	+36 57	11.1	A0
44	3833	59.4	+36 45	11.1	G0	..	59.9	+37 34	10.9	A0	3935	0.4	+35 40	10.0	A5	..	1.0	+36 20	11.5	A
45	3854	59.4	+34 57	10.5	B9	..	59.9	+34 42	11.5	A7	..	0.4	+34 53	11.1	G0	3856	1.0	+36 10	10.9	A5
46	3853	59.4	+34 32	10.8	G0	3856	59.9	+34 38	11.0	K	3861	0.4	+34 39	10.3	A0	..	1.0	+35 17	11.2	A
47	..	59.4	+33 45	10.9	A8	..	0.0	+41 43	11.1	A	..	0.4	+34 21	11.5	G5	..	1.0	+34 52	12.0	F5
48	3707	59.4	+33 20	10.8	K0	3996	0.0	+40 54	10.3	F0	..	0.4	+34 14	11.4	A	..	1.0	+34 24	11.8	B8
49	..	59.4	+33 7	11.0	A2	3994	0.0	+40 27	9.5	G0	..	0.4	+32 50	10.8	F5	..	1.0	+33 55	11.2	A2
50	3687	59.4	+32 37	9.7	B8	*3887*	0.0	+39 6	10.1	A3	3692	0.4	+32 42	9.5	B8	3723	1.0	+33 17	10.5	A2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	1.0	+32 52	12.0	K2	*4005*	1.6	+41 6	9.9	A5	..	2.0	+39 51	11.0	A3	..	2.4	+34 9	11.7	A
2	3600	1.1	+41 42	10.8	Go	..	1.6	+40 49	11.5	K5	..	2.0	+39 20	10.9	A2	..	2.4	+34 0	10.8	G5
3	*3753*	1.1	+38 2	10.2	Fo	4007	1.6	+40 22	10.2	Fo	4029	2.0	+39 18	10.7	F8	..	2.4	+32 45	11.8	K7
4	3940	1.1	+35 34	10.3	Go	4006	1.6	+40 14	9.0	F2	..	2.0	+38 39	11.6	Ao	4017	2.5	+40 28	10.7	F
5	..	1.1	+35 20	11.2	F2	..	1.6	+39 43	11.4	A	..	2.0	+37 0	10.6	A3	3904	2.5	+38 48	11.5	Go
6	4025	1.2	+39 18	11.0	F8	3897	1.6	+38 52	10.1	A7	3865	2.0	+36 49	11.7	K	..	2.5	+36 51	11.3	B
7	*3893*	1.2	+39 4	9.2	Ko	3898	1.6	+38 40	8.9	A3	3864	2.0	+36 14	10.5	B3	..	2.5	+35 58	10.4	B9
8	3892	1.2	+38 34	10.0	A2	..	1.6	+38 33	10.4	A	..	2.0	+36 2	11.0	Fo	..	2.5	+35 34	11.2	A
9	..	1.2	+36 48	11.3	Fo	3758	1.6	+37 58	10.6	G5	..	2.0	+35 53	11.3	A	3958	2.5	+35 31	11.2	Go
10	3857	1.2	+36 24	10.6	F8	..	1.6	+35 32	11.2	A3	..	2.0	+35 48	11.3	A	..	2.5	+34 37	10.7	A2
11	3941	1.2	+35 58	11.0	A	..	1.6	+35 19	11.4	A2	3950	2.0	+35 37	9.5	B	..	2.5	+33 58	11.7	A
12	..	1.2	+35 39	11.7	A	3726	1.6	+33 44	10.8	B9	..	2.0	+34 30	11.7	Fo	3738	2.5	+33 52	11.0	Fo
13	3863	1.2	+34 42	10.5	B5	..	1.6	+33 20	11.3	F5	*3734*	2.0	+34 0	10.4	Ko	4018	2.6	+40 55	9.9	A7
14	..	1.2	+34 6	11.4	A2	..	1.6	+33 16	11.4	A	..	2.1	+41 51	11.3	Ko	..	2.6	+40 29	11.5	K7
15	..	1.2	+33 46	11.9	K7	..	1.6	+32 48	10.8	A5	3902	2.1	+38 48	10.1	Ao	..	2.6	+40 1	11.5	Ko
16	..	1.2	+32 58	10.8	Ao	3602	1.7	+41 57	11.3	K2	..	2.1	+38 32	11.4	F8	..	2.6	+39 55	11.0	A
17	..	1.3	+41 13	11.5	M	*4009*	1.7	+41 3	10.0	Ko	..	2.1	+38 22	10.8	A5	..	2.6	+39 39	11.0	Fo
18	..	1.3	+40 34	10.9	A7	..	1.7	+40 6	11.3	G	3761	2.1	+37 58	10.0	F8	3764	2.6	+37 45	10.5	Ko
19	..	1.3	+40 7	11.5	K2	..	1.7	+39 43	11.6	K	*3866*	2.1	+37 1	10.4	Ko	..	2.6	+37 23	11.7	K
20	4026	1.3	+39 38	10.6	F2	3861	1.7	+36 37	10.2	F8	..	2.1	+35 40	10.8	F5	3870	2.6	+36 25	11.1	A2
21	..	1.3	+38 0	10.4	A3	..	1.7	+36 23	11.3	A	..	2.1	+35 25	10.4	A3	..	2.6	+35 26	10.5	A
22	3858	1.3	+36 50	11.2	F5	*3947*	1.7	+36 6	11.0	Ko	..	2.1	+35 0	10.8	Fo	..	2.6	+34 39	11.7	M
23	3942	1.3	+35 44	10.7	Fo	3946	1.7	+35 48	10.1	B8	3735	2.1	+33 34	10.6	A7	..	2.6	+34 16	10.8	B8
24	..	1.3	+34 33	11.2	K7	3730	1.7	+33 55	10.1	A3	3736	2.1	+33 31	10.8	Ao	*3706*	2.6	+33 3	11.6	Ko
25	..	1.3	+34 8	11.9	K	3729	1.7	+33 27	10.7	G5	3702	2.1	+32 43	10.6	A2	..	2.6	+32 45	11.0	F5
26	*3696*	1.3	+33 2	10.7	F8	3727	1.7	+33 22	9.9	A5	4031	2.2	+39 43	9.0	B	4020	2.7	+40 48	10.7	F8
27	*4004*	1.4	+41 0	10.5	F5	3604	1.8	+41 30	11.6	K2	..	2.2	+38 16	10.8	F8	4021	2.7	+40 48	10.7	A5
28	4003	1.4	+40 45	9.3	B3	..	1.8	+40 44	11.4	F8	*3762*	2.2	+38 6	12.0	K5	4019	2.7	+40 18	10.2	Ko
29	..	1.4	+40 10	11.3	F8	4027	1.8	+39 10	9.8	K2	3867	2.2	+36 41	11.2	Ao	3872	2.7	+36 44	10.4	B9
30	..	1.4	+38 59	11.5	K	..	1.8	+38 57	10.9	Ao	3951	2.2	+35 20	10.4	K5	*3961*	2.7	+36 3	10.1	B8
31	..	1.4	+38 55	10.6	A	3899	1.8	+38 52	10.2	A7	3737	2.2	+33 16	10.2	F2	3960	2.7	+35 48	10.3	A
32	..	1.4	+37 54	10.3	Ao	..	1.8	+36 55	11.4	F2	..	2.2	+32 51	11.1	Mo	..	2.7	+35 38	11.1	F8
33	..	1.4	+37 54	10.3	Ao	3862	1.8	+36 42	11.0	F5	..	2.3	+38 18	11.4	F5	..	2.7	+34 30	10.7	Ao
34	..	1.4	+37 25	10.1	B9	3863	1.8	+36 38	10.2	B8	3957	2.3	+35 29	7.6	B5	..	2.7	+33 54	11.9	A
35	3859	1.4	+36 23	10.9	Ko	..	1.8	+35 47	11.0	A	3870	2.3	+34 56	10.5	B8	3739	2.7	+33 10	11.2	K5
36	3943	1.4	+35 52	10.0	A3	3948	1.8	+35 20	9.4	B	3869	2.3	+34 33	10.4	F8	3609	2.8	+41 24	10.1	Fo
37	*3864*	1.4	+35 2	10.8	A2	..	1.8	+34 32	11.1	K2	..	2.3	+33 32	11.3	Ao	3607	2.8	+41 8	10.6	A7
38	3865	1.4	+34 59	10.8	Ao	*3733*	1.8	+34 0	10.4	B5	3606	2.4	+41 50	10.7	Ko	..	2.8	+38 38	11.6	A3
39	3725	1.4	+33 30	10.6	B8	..	1.8	+32 46	11.1	A3	4016	2.4	+40 36	10.8	K2	3765	2.8	+37 37	9.7	Ao
40	3724	1.4	+33 26	10.5	A2	..	1.8	+32 37	11.3	K8	..	2.4	+40 34	10.8	A	..	2.8	+37 14	10.7	Fo
41	3699	1.4	+32 57	10.5	Ko	4013	1.9	+40 25	11.5	K2	4032	2.4	+39 55	11.0	Go	*3874*	2.8	+37 2	10.2	G5
42	3698	1.4	+32 50	10.5	B9	4012	1.9	+40 21	10.2	Ko	..	2.4	+38 50	11.6	B9	..	2.8	+36 48	11.1	Ao
43	..	1.5	+39 42	10.1	A3	4011	1.9	+40 19	10.7	F2	..	2.4	+38 40	11.2	B8	3965	2.8	+35 52	10.3	K2
44	3895	1.5	+38 25	10.4	A3	*3900*	1.9	+39 4	9.1	Ko	3903	2.4	+38 36	11.7	K2	..	2.8	+35 47	10.8	A
45	3757	1.5	+37 13	9.7	F8	3760	1.9	+37 29	9.9	Fo	3763	2.4	+37 38	10.3	Ao	3963	2.8	+35 36	10.8	Fo
46	3860	1.5	+36 24	10.9	B9	..	1.9	+35 6	11.1	B8	..	2.4	+36 52	11.0	A5	3964	2.8	+35 27	9.0	B2
47	*3945*	1.5	+36 2	10.9	G5	3868	1.9	+34 46	10.5	Fo	3869	2.4	+36 40	10.5	A7	..	2.8	+34 35	11.7	M
48	..	1.5	+35 49	11.1	B9	..	1.9	+33 26	10.8	A5	3868	2.4	+36 34	10.1	A7	..	2.8	+34 20	10.7	A3
49	3944	1.5	+35 25	10.3	Ko	3732	1.9	+33 21	10.6	K5	..	2.4	+35 56	11.2	Ao	..	2.8	+33 19	11.1	F5
50	..	1.5	+33 48	11.9	K	4014	2.0	+40 15	9.5	Ao	..	2.4	+34 42	11.7	A	..	2.9	+40 34	10.7	F5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	2.9	+37 35	11.4	K7	3745	3.4	+33 50	10.6	Ko	..	4.0	+40 3	11.5	Go	3751	4.4	+33 51	9.5	A5
2	3875	2.9	+36 43	10.9	B9	3744	3.4	+33 48	10.6	A7	..	4.0	+38 52	11.8	K5	3752	4.4	+33 24	11.1	F8
3	3875	2.9	+34 45	9.0	F5	3711	3.4	+32 39	10.7	Go	..	4.0	+38 41	11.6	F2	..	4.4	+33 20	10.8	A3
4	3874	2.9	+34 38	9.2	B	..	3.5	+41 57	10.9	Fo	3914	4.0	+38 35	10.0	A2	..	4.4	+32 50	11.0	Fo
5	3740	2.9	+33 34	10.1	B9	4024	3.5	+40 23	10.1	A3	3887	4.0	+36 35	9.8	A5	3617	4.5	+41 46	9.6	F2
6	..	3.0	+41 2	10.7	Go	3881	3.5	+36 47	10.5	Fo	..	4.0	+35 27	11.2	F5	4047	4.5	+39 39	11.1	F8
7	4034	3.0	+39 54	11.5	Ko	*3967*	3.5	+36 4	9.6	B2	3747	4.0	+33 51	9.7	B9	..	4.5	+39 33	11.2	A2
8	3766	3.0	+37 54	10.7	K5	3968	3.5	+35 17	9.6	Ao	..	4.0	+33 50	11.1	A	4048	4.5	+39 9	11.3	G5
9	..	3.0	+35 58	11.3	A5	..	3.5	+35 10	11.6	A	..	4.0	+33 12	10.8	Fo	*3916*	4.5	+39 3	11.8	K2
10	..	3.0	+35 56	11.3	G5	*3879*	3.5	+35 4	10.5	A2	..	4.0	+33 2	11.3	Ao	..	4.5	+37 30	10.7	Fo
11	*3876*	3.0	+35 4	9.5	A2	..	3.5	+32 45	11.1	Ao	..	4.0	+32 52	11.1	Ao	3893	4.5	+36 49	11.3	K2
12	..	3.0	+34 21	10.7	A3	4039	3.6	+39 44	9.0	A5	3616	4.1	+41 54	9.8	Fo	3754	4.5	+33 41	10.5	A4
13	..	3.0	+34 12	11.6	K7	..	3.6	+38 21	11.9	K2	4027	4.1	+40 46	10.2	F2	..	4.5	+33 34	10.9	F8
14	..	3.0	+33 2	11.1	F8	3773	3.6	+37 53	10.5	Go	4043	4.1	+39 49	9.9	A5	3753	4.5	+33 13	10.8	K3
15	3611	3.1	+41 10	9.6	Ao	..	3.6	+36 50	11.8	A	4042	4.1	+39 18	10.1	F5	3619	4.6	+41 45	9.5	A2
16	4023	3.1	+40 55	9.9	Ko	..	3.6	+35 20	11.0	A	..	4.1	+39 12	11.3	A2	4029	4.6	+40 32	11.1	K5
17	..	3.1	+40 48	11.6	A	3969	3.6	+35 18	9.6	B3	..	4.1	+39 4	11.6	A7	4050	4.6	+39 39	11.5	K7
18	4035	3.1	+39 57	10.0	Ko	..	3.6	+34 28	11.2	F2	3776	4.1	+37 9	9.6	B5	..	4.6	+39 31	11.2	F5
19	3907	3.1	+38 16	10.0	Ao	..	3.6	+34 18	11.2	B	..	4.1	+36 44	11.1	A	..	4.6	+39 26	11.7	A
20	..	3.1	+36 56	11.8	G	..	3.6	+34 15	11.2	Ao	*3975*	4.1	+36 0	9.8	A2	..	4.6	+38 43	11.5	F5
21	..	3.1	+35 52	11.0	Go	..	3.6	+32 54	11.3	M	..	4.1	+35 28	11.1	B5	3917	4.6	+38 31	9.8	Ko
22	*3877*	3.1	+35 1	9.5	B3	4026	3.7	+40 55	10.5	Ko	3748	4.1	+33 9	10.8	Go	3780	4.6	+37 17	10.8	B8
23	3742	3.1	+33 52	11.0	K7	4025	3.7	+40 23	10.8	K2	4044	4.2	+39 53	11.5	Mo	3782	4.6	+37 11	10.0	G5
24	..	3.1	+33 26	11.8	A	4040	3.7	+39 25	11.0	Go	4045	4.2	+39 26	11.1	Go	..	4.6	+36 40	11.6	A
25	4036	3.2	+39 9	8.8	A2	3910	3.7	+38 11	9.5	A5	3777	4.2	+37 30	10.7	K2	..	4.6	+36 10	11.0	Ko
26	*3908*	3.2	+39 5	10.9	Ko	3972	3.7	+35 38	10.0	Ko	3979	4.2	+35 57	10.9	G5	..	4.6	+36 0	11.3	A
27	..	3.2	+38 9	11.7	G	..	3.7	+35 18	11.0	A	3977	4.2	+35 35	9.8	Ao	3983	4.6	+35 10	9.5	B3
28	3768	3.2	+37 44	10.0	B2	..	3.8	+41 45	11.0	Ao	3978	4.2	+35 26	11.1	B	*3883*	4.6	+35 1	11.1	A
29	3767	3.2	+37 28	10.4	F2	..	3.8	+39 21	12.0	K5	..	4.2	+35 14	11.5	A	3755	4.6	+33 39	10.9	A5
30	*3876*	3.2	+37 1	10.3	K	3911	3.8	+38 37	10.0	A7	..	4.2	+35 12	11.5	A	..	4.7	+40 34	11.0	K2
31	3877	3.2	+36 58	10.3	K	..	3.8	+38 23	10.9	Go	..	4.2	+35 7	11.6	A	*3919*	4.7	+39 6	10.1	F8
32	..	3.2	+35 37	11.0	Ao	3884	3.8	+36 53	10.1	Ao	..	4.2	+34 22	11.3	G5	3918	4.7	+38 51	10.4	Go
33	..	3.2	+35 23	10.7	A5	..	3.8	+36 45	11.0	G5	3749	4.2	+33 18	9.8	Go	..	4.7	+35 48	10.4	B2
34	3878	3.2	+34 21	10.7	A2	3974	3.8	+35 33	10.0	Ao	4028	4.3	+40 53	10.9	Fo	3758	4.7	+33 36	10.8	Ao
35	3709	3.2	+32 56	10.8	Ao	3973	3.8	+35 20	9.6	B9	3889	4.3	+36 21	11.7	K7	3757	4.7	+33 22	9.6	A2
36	..	3.2	+32 50	10.7	B8	..	3.8	+33 42	11.2	G5	3981	4.3	+35 50	10.9	B5	3756	4.7	+33 21	10.5	K2
37	3612	3.3	+41 19	10.3	K2	3746	3.8	+33 22	10.7	F8	3980	4.3	+35 37	10.9	Ao	3620	4.8	+41 53	10.7	F8
38	..	3.3	+38 43	11.7	Ao	..	3.8	+33 1	11.1	F8	..	4.3	+35 13	11.5	A	4030	4.8	+40 25	10.3	A2
39	3769	3.3	+37 12	10.7	K7p	4041	3.9	+39 59	11.5	K7	..	4.3	+34 58	11.2	Ao	*4052*	4.8	+40 8	8.8	B9
40	3878	3.3	+36 45	9.9	G5	3912	3.9	+38 38	10.4	Fo	..	4.3	+34 49	11.3	B9	*4051*	4.8	+40 5	9.9	M2
41	3879	3.3	+36 34	9.6	B8	3775	3.9	+37 20	9.5	Go	..	4.3	+34 38	11.6	A	..	4.8	+39 42	11.1	A3
42	..	3.3	+36 21	11.6	A5	*3885*	3.9	+37 2	10.9	K8	..	4.3	+33 40	10.5	Go	3894	4.8	+36 35	10.4	Ao
43	..	3.3	+35 40	11.6	A	3886	3.9	+36 38	9.8	K8	3750	4.3	+33 14	10.7	G5	..	4.8	+35 59	11.7	A
44	*3743*	3.3	+34 7	11.3	Fo	..	3.9	+36 25	11.8	A	*3716*	4.3	+33 1	10.8	Ko	..	4.8	+35 11	10.3	B3
45	*3710*	3.3	+33 3	11.7	M	..	3.9	+35 27	11.3	F2	3778	4.4	+37 31	10.1	F8	..	4.8	+34 29	10.9	Ao
46	4038	3.4	+39 47	10.2	A5	..	3.9	+35 18	11.3	F2	3779	4.4	+37 10	10.4	Ko	..	4.8	+34 9	11.0	Fo
47	4037	3.4	+39 22	10.4	Fo	..	3.9	+34 20	11.3	A2	3890	4.4	+36 56	10.8	Ao	..	4.8	+34 8	11.0	A
48	..	3.4	+39 20	11.7	G5	..	4.0	+41 35	11.0	A2	..	4.4	+36 47	10.9	Fo	..	4.8	+32 36	10.9	G
49	3771	3.4	+37 48	9.4	B9	..	4.0	+41 25	11.2	A	3982	4.4	+35 27	10.1	B8	*4031*	4.9	+41 6	9.8	A2
50	..	3.4	+34 48	11.4	Ao	3615	4.0	+41 21	10.9	Go	..	4.4	+33 59	11.2	F8	4032	4.9	+40 57	10.4	B9

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	4.9	+40 39	10.9	A3	3991	5.3	+35 32	10.9	A7	..	5.9	+41 32	11.6	A	3928	6.3	+38 29	10.8	F8
2	3785	4.9	+37 13	9.6	B2	..	5.3	+34 41	11.5	G5	4059	5.9	+39 17	8.7	B2	3915	6.3	+36 51	11.1	A
3	..	4.9	+36 1	11.3	Ao	3764	5.3	+33 54	11.7	M2	..	5.9	+37 29	11.5	A	3914	6.3	+36 24	9.5	Bo
4	..	4.9	+35 29	11.2	Ao	..	5.3	+33 38	11.1	Ao	*3910*	5.9	+37 7	11.0	Ko	3897	6.3	+34 58	11.1	F5
5	..	4.9	+34 23	11.9	Ko	..	5.3	+33 4	11.9	Ko		5.9	+35 42		B	3896	6.3	+34 46	9.8	G5
											3996			10.9						
6	3884	4.9	+34 18	10.9	Go	*4055*	5.4	+40 7	10.9	G5		5.9	+35 42		Ao	3773	6.3	+33 44	10.5	B8
7	3719	4.9	+32 58	10.7	Ao	*3792*	5.4	+38 7	10.6	A5	3997	5.9	+35 28	10.1	B3	3774	6.3	+33 44	10.7	Ao
8	3622	5.0	+41 28	10.9	K7	3791	5.4	+37 12	9.9	Ao	..	5.9	+34 46	11.2	Ao	3770	6.3	+33 29	11.2	A3
9	..	5.0	+40 9	11.3	A2	3902	5.4	+36 52	11.3	K2	..	5.9	+34 36	11.7	Go	3772	6.3	+33 21	10.6	Ao
10	..	5.0	+39 16	11.1	A	3993	5.4	+35 45	10.0	B	..	5.9	+33 37	11.0	A7	*4062*	6.4	+40 4	10.0	A7
11	4053	5.0	+39 13	9.8	A3	..	5.4	+34 51	10.9	F8	..	5.9	+33 4	11.2	Ko	3799	6.4	+37 11	11.5	K2
12	3786	5.0	+37 28	10.4	Go	..	5.4	+32 43	10.9	A2	..	6.0	+40 36	11.5	G5	3999	6.4	+35 59	10.8	Mo
13	3898	5.0	+36 53	11.1	K7	3627	5.5	+41 50	10.4	Fo	..	6.0	+40 6	11.0	Ao	4000	6.4	+35 54	8.6	B9
14	..	5.0	+36 32	11.8	Mo	..	5.5	+40 30	11.5	G5	..	6.0	+39 54	11.6	G5	..	6.4	+35 37	11.4	Ao
15	3897	5.0	+36 13	9.6	B8	4056	5.5	+39 54	9.5	K2	4061	6.0	+39 51	10.0	K2	*4040*	6.5	+41 4	11.2	K5
16	*3984*	5.0	+36 7	10.8	A	*3904*	5.5	+37 2	10.0	Fo	4060	6.0	+39 27	10.0	A5	..	6.5	+38 8	11.5	A5
17	..	5.0	+34 44	11.2	K2	..	5.5	+36 55	11.3	A	*3923*	6.0	+39 7	10.5	A3	3800	6.5	+37 58	11.6	Ko
18	..	5.0	+34 25	11.7	F8	3903	5.5	+36 40	10.9	Ao	3924	6.0	+38 33	10.3	A2	3801	6.5	+37 15	10.2	A2
19	..	5.0	+34 15	10.9	A2	..	5.5	+35 53	11.3	Ao	3797	6.0	+37 46	10.6	Ko	3917	6.5	+36 26	9.3	Ao
20	*3760*	5.0	+34 2	9.5	B3	..	5.5	+33 56	11.5	Ao	3911	6.0	+36 11	10.0	A3	..	6.5	+35 4	11.3	Fo
21	..	5.0	+33 18	11.8	A	..	5.5	+33 34	11.5	K2	..	6.0	+35 46	10.9	Ao	..	6.5	+34 53	11.4	Fo
22	3759	5.0	+33 11	10.9	G5	3628	5.6	+41 46	10.8	Ko	..	6.0	+35 8	10.2	B3	3777	6.5	+33 38	10.7	Ao
23	3624	5.1	+41 35	9.5	F5	..	5.6	+41 19	11.1	Ao	..	6.0	+34 50	11.2	A3	3776	6.5	+33 30	9.4	B9
24	3623	5.1	+41 9	10.6	F5	4035	5.6	+40 27	11.5	A2	..	6.0	+34 32	11.4	Ao	4041	6.6	+40 52	9.2	A7
25	4033	5.1	+40 43	10.9	G5	*3921*	5.6	+39 0	10.4	A3	..	6.0	+33 13	11.1	Go	3930	6.6	+38 53	11.1	A5
26	4034	5.1	+40 17	9.7	F5	..	5.6	+37 58	11.7	A	3767	6.0	+33 11	10.9	Go	3931	6.6	+38 48	10.1	G5
27	..	5.1	+40 12	11.0	Ao	3793	5.6	+37 13	9.7	B2	3631	6.1	+41 51	10.4	F2	3929	6.6	+38 13	11.1	Go
28	..	5.1	+39 18	11.1	F5	..	5.6	+36 15	10.9	A3	..	6.1	+41 38	10.8	Ao	..	6.6	+36 57	11.8	A
29	3788	5.1	+37 44	10.4	A3	..	5.6	+32 54	11.2	A5	3925	6.1	+38 53	11.0	F8	3918	6.6	+36 14	9.6	B9
30	3789	5.1	+37 37	10.4	Fo	..	5.7	+40 57	11.5	G5	3913	6.1	+36 41	9.9	Go	..	6.6	+35 27	11.0	G5
31	*3899*	5.1	+37 4	10.9	K2	..	5.7	+40 19	11.5	Ko	3912	6.1	+36 15	11.3	M	*3730*	6.6	+33 6	10.6	Ao
32	..	5.1	+36 26	10.9	F8	*3908*	5.7	+37 2	10.2	F8	..	6.1	+34 58	11.3	A	..	6.7	+36 42	11.4	Ao
33	..	5.1	+36 7	11.0	F5	*3889*	5.7	+35 7	10.0	B8	3768	6.1	+33 37	10.5	B9	..	6.7	+36 2	11.4	Ao
34	*3885*	5.1	+35 6	9.8	Ao	3890	5.7	+34 25	11.1	K	3769	6.1	+33 22	10.5	A3	4003	6.7	+35 34	10.9	K5
35	3761	5.1	+33 32	10.5	Ao	3891	5.7	+34 16	10.5	Fo	..	6.1	+33 13	11.1	Ao	*3898*	6.7	+35 3	11.3	K5
36	*3626*	5.2	+42 0	10.1	Ao	3629	5.8	+41 20	10.1	F8	..	6.1	+33 6	11.2	Ko	..	6.7	+34 35	10.5	Go
37	..	5.2	+41 3	10.9	Fo	..	5.8	+40 51	11.3	A	..	6.2	+40 59	11.3	A	*3731*	6.7	+33 6	9.7	Ao
38	..	5.2	+38 59	11.5	A	4058	5.8	+39 22	11.8	K7	4037	6.2	+40 8	8.8	Ko	..	6.7	+32 53	10.6	A2
39	3790	5.2	+37 58	10.1	A	..	5.8	+39 16	11.6	A	..	6.2	+40 3	10.9	A	3635	6.8	+41 26	10.1	A7
40	..	5.2	+36 26	11.0	F	3922	5.8	+38 21	10.0	Ao	..	6.2	+36 50	11.3	Ao	3634	6.8	+41 13	8.8	F5
41	3990	5.2	+35 45	10.0	Fo	3796	5.8	+37 31	10.5	B	3998	6.2	+35 12	9.6	B	4042	6.8	+40 29	10.5	A7
42	..	5.2	+35 29	11.1	F2	3909	5.8	+36 32	10.2	B8	*3895*	6.2	+35 4	10.8	F8	..	6.8	+40 23	10.6	A2
43	..	5.2	+34 26	10.0	B8	..	5.8	+36 10	11.5	A	..	6.2	+34 34	11.4	A	..	6.8	+36 50	11.9	A
44	..	5.2	+34 18	11.5	Ao	..	5.8	+35 52	11.5	F	3771	6.2	+33 40	10.7	K5	..	6.8	+36 50	11.6	A
45	..	5.2	+34 9	11.5	Ao	..	5.8	+35 50	11.6	G5	..	6.2	+33 9	11.8	A	..	6.8	+36 35	11.1	F8
46	..	5.2	+34 4	10.6	Ao	..	5.8	+34 54	11.4	A	..	6.2	+33 5	11.3	A	*3782*	6.8	+34 1	11.1	Ko
47	*3762*	5.2	+34 3	10.3	G5	..	5.8	+34 52	11.1	K2	3728	6.2	+32 54	10.9	A5	3732	6.8	+32 54	9.9	Ko
48		5.2	+34 3		A2	..	5.8	+34 41	10.9	Ao	*4039*	6.3	+41 4	10.7	Ko	3932	6.9	+38 35	11.0	B
49	3625	5.3	+41 8	9.8	Ko	3892	5.8	+34 14	10.6	F8	4038	6.3	+40 23	9.7	Ao	3802	6.9	+37 33	11.1	Ko
50	3920	5.3	+38 47	10.7	A	..	5.8	+33 30	11.1	A4	..	6.3	+40 17	10.6	Ao	3803	6.9	+37 16	11.3	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3804	6.9	+37 10	8.6	B	..	7.3	+38 39	11.4	A	..	7.7	+35 21	10.8	A2	*3800*	8.3	+34 7	9.5	B9
2	..	6.9	+36 34	11.3	A3	3935	7.3	+38 12	10.8	F0	..	7.7	+34 56	11.4	B8	..	8.3	+33 40	11.5	A
3	..	6.9	+35 40	11.0	A0	3806	7.3	+37 50	10.8	B8p	..	7.7	+34 54	11.4	F8	3742	8.3	+32 56	10.8	M0
4	4004	6.9	+35 35	9.8	B	3807	7.3	+37 50	10.8	A7	*3795*	7.7	+34 2	10.9	A0	3648	8.4	+41 16	11.5	K0
5	..	6.9	+35 35	11.0	A	3923	7.3	+36 24	10.3	K7	3814	7.8	+37 45	10.1	F5	..	8.4	+39 56	11.2	F0
6	..	6.9	+35 22	10.9	B9	..	7.3	+35 22	11.8	M	3813	7.8	+37 8	10.4	A2	4076	8.4	+39 43	11.0	B
7	..	6.9	+34 39	11.3	A	3788	7.3	+33 36	10.4	F5	..	7.8	+35 34	10.8	F2	4077	8.4	+39 40	11.7	M0
8	*3785*	6.9	+34 4	9.8	F8	3640	7.4	+41 56	10.7	B8	..	7.8	+35 19	11.0	A2	..	8.4	+39 6	11.5	A0
9	..	6.9	+33 25	10.7	A0	..	7.4	+40 56	10.9	A0	*3904*	7.8	+35 2	11.2	G0	3944	8.4	+38 42	10.6	G5
10	3783	6.9	+33 25	9.5	B9	4068	7.4	+39 59	8.7	F0	..	7.8	+33 26	11.4	F0	3943	8.4	+38 32	10.3	K0
11	*3636*	7.0	+42 0	10.8	K0	4069	7.4	+39 12	11.5	K5	3794	7.8	+33 17	10.9	K5	3818	8.4	+37 43	10.5	A
12	4044	7.0	+40 52	8.9	F0	*3937*	7.4	+39 6	11.0	K2	3646	7.9	+41 47	10.8	K5	3820	8.4	+37 43	10.4	G0
13	4064	7.0	+39 26	11.2	K2	3808	7.4	+37 25	9.4	A0	3815	7.9	+37 9	10.3	G0	3819	8.4	+37 21	9.6	B8
14	3805	7.0	+37 10	9.2	B9	..	7.4	+36 39	11.1	G0	*3928*	7.9	+37 4	10.0	B8	4016	8.4	+35 46	10.1	B9
15	..	7.0	+36 19	10.9	B9	..	7.4	+34 31	11.7	A	3905	7.9	+34 43	11.2	A0	..	8.4	+35 45	11.2	A0
16	..	7.0	+36 17	10.8	A0	3789	7.4	+33 20	10.5	F5	*3737*	7.9	+33 3	10.2	A3	..	8.4	+35 23	10.9	F0
17	..	7.0	+35 57	11.2	A	3790	7.4	+33 16	9.5	A0	..	7.9	+32 40	11.1	G0	3651	8.5	+41 57	9.8	A0
18	..	7.0	+35 34	10.8	B9	3735	7.4	+32 57	11.1	K5	4054	8.0	+40 23	9.9	A5	4058	8.5	+40 29	10.6	G0
19	3900	7.0	+34 50	9.9	A3	3639	7.5	+41 23	10.3	G0	..	8.0	+40 12	10.9	B9	..	8.5	+40 27	10.7	K5
20	..	7.0	+34 38	11.3	G5	..	7.5	+41 11	10.6	A5	..	8.0	+37 20	11.4	A	4078	8.5	+39 38	10.1	A2
21	..	7.0	+33 36	11.4	A0	3809	7.5	+37 20	9.4	B8	3929	8.0	+36 59	11.1	G0	..	8.5	+39 20	11.8	F
22	..	7.0	+33 21	11.7	F0	..	7.5	+37 13	11.5	A	..	8.0	+35 47	11.0	F0	3945	8.5	+38 45	10.9	K5
23	..	7.0	+32 32	11.0	F5	3810	7.5	+37 8	11.5	K0	4012	8.0	+35 22	10.3	A2	*4018*	8.5	+36 3	11.7	A
24	4045	7.1	+40 55	8.8	B8	..	7.5	+35 54	11.2	A7	..	8.0	+34 51	11.5	A0	..	8.5	+35 33	11.7	A5
25	4065	7.1	+39 43	10.8	G0	3903	7.5	+34 47	11.1	A3	..	8.0	+33 14	10.5	F0	3911	8.5	+34 54	11.4	A
26	..	7.1	+39 21	11.7	A	..	7.5	+34 33	11.6	A0	3738	8.0	+32 43	10.8	K2	....	8.5	+34 19	11.3	G0
27	3933	7.1	+38 43	10.0	A2	..	7.5	+34 17	11.9	K	..	8.1	+39 52	11.8	K5	3822	8.6	+37 39	11.5	K5
28	3921	7.1	+36 28	9.7	B9	3791	7.5	+33 16	9.6	A2	3906	8.1	+34 26	11.1	K3	..	8.6	+37 27	11.1	A2
29	..	7.1	+34 26	11.9	K0	3792	7.5	+33 13	11.1	M	3907	8.1	+34 18	9.5	K0	3823	8.6	+37 17	10.9	B
30	3786	7.1	+33 26	12.0	K0	3641	7.6	+41 10	10.0	K2	3798	8.1	+33 48	10.4	K0	..	8.6	+36 50	11.3	G
31	..	7.1	+33 7	11.4	F8	..	7.6	+40 45	11.2	A2	..	8.1	+33 45	10.9	A8	..	8.6	+36 24	11.4	A
32	3734	7.1	+32 33	10.4	F0	4070	7.6	+39 26	8.9	G0	3797	8.1	+33 15	10.4	A7	..	8.6	+36 3	11.0	B8
33	3637	7.2	+41 50	10.8	A7	..	7.6	+39 13	11.5	G5	4055	8.2	+40 52	10.9	F0	..	8.6	+35 47	11.7	K5
34	*4067*	7.2	+40 0	8.8	B8	3938	7.6	+38 56	10.9	A2	..	8.2	+37 22	11.0	A0	..	8.6	+35 46	10.9	A0
35	4066	7.2	+39 33	11.2	G0	..	7.6	+38 16	11.8	A	..	8.2	+35 54	10.9	A7	3912	8.6	+34 59	11.4	A0
36	*3934*	7.2	+39 2	10.8	A0	..	7.6	+37 45	11.7	A	..	8.2	+35 36	11.4	A	3913	8.6	+34 37	9.6	K2
37	..	7.2	+38 42	10.8	B9	*3925*	7.6	+37 4	9.7	B5	..	8.2	+34 52	11.3	B9	3801	8.6	+33 57	10.7	K5
38	..	7.2	+38 42	11.4	A	3926	7.6	+36 35	9.8	K0	..	8.2	+34 31	10.9	A7	..	8.6	+32 56	10.9	F2
39	..	7.2	+38 20	11.6	G	..	7.6	+36 28	11.2	F8	3799	8.2	+33 22	9.7	G0	3825	8.7	+37 46	9.5	B5
40	*3922*	7.2	+37 4	9.7	A0	3924	7.6	+36 18	10.3	B9	..	8.2	+33 1	11.8	A	3824	8.7	+37 42	9.6	B2
41	..	7.2	+36 37	11.1	A2	4010	7.6	+35 28	10.0	A	3647	8.3	+41 8	9.9	G5	..	8.7	+37 34	11.5	A
42	*4005*	7.2	+36 8	10.8	A0	..	7.6	+35 14	11.1	G0	4074	8.3	+39 19	10.1	B8	..	8.7	+36 53	11.5	A
43	..	7.2	+35 28	11.6	B9	*3643*	7.7	+42 1	9.6	F5	3817	8.3	+37 54	10.0	A5	3932	8.7	+36 22	9.9	A5
44	*3901*	7.2	+35 9	11.3	G5	..	7.7	+41 40	11.1	M	3931	8.3	+36 42	10.0	G0	..	8.7	+35 43	11.0	F5
45	..	7.2	+34 57	11.8	F0	4052	7.7	+40 56	9.6	A2	..	8.3	+36 18	11.0	A0	..	8.7	+35 13	11.5	A0
46	..	7.2	+34 49	11.7	A	4072	7.7	+39 59	10.1	B8	..	8.3	+35 45	11.4	F2	..	8.8	+40 31	11.7	A
47	3902	7.2	+34 31	9.3	B9	..	7.7	+39 52	10.4	G5	..	8.3	+35 45	11.2	F2	4079	8.8	+39 39	9.0	K0
48	3787	7.2	+33 42	10.7	K0	..	7.7	+37 42	11.6	A5	..	8.3	+35 14	11.0	A	4080	8.8	+39 26	8.6	B9
49	3638	7.3	+41 40	10.8	A7	3927	7.7	+36 12	9.3	B	4015	8.3	+35 11	9.7	F5	..	8.8	+37 42	10.4	A2
50	4047	7.3	+40 51	9.3	A3	4011	7.7	+35 35	10.0	B9	3909	8.3	+34 24	9.5	A0	..	8.8	+35 50	11.1	A5

$+32°.6$ to $+41°.6$

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1936AnHar.100....1C

ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100. NO. 2.

THE HENRY DRAPER EXTENSION

By Annie J. Cannon

This, the second instalment of the Extension, gives the spectra of three thousand stars, of which the first thousand form a continuation of No. 1 of this volume, and complete the stars classified in eighty-three square degrees of the Cygnus Cloud. The remaining two thousand stars are contained within 128 square degrees of the Aquila-Sagitta portion of the Milky Way, the approximate center of which is $19^h.1, +14°.8$. These, and eight hundred and eighty additional stars, were classified on two overlapping photographs taken at Arequipa with the 10-inch Metcalf telescope on April 22, 1922, and September 2, 1923. The Henry Draper Catalogue contains 787 stars in this region.

The photographic magnitudes are based mainly upon the Harvard Standard Sequence C 10, at $19^h + 15°$. One measure of the magnitude of each star was made by Miss Margaret Walton, and several other observers took part in an independent second measure of each object. The positions depend upon those of the Bonn Durchmusterung.

The lines are very narrow and sharply defined in the spectra of H. D. 230549, 211195, 231235, 231397, and 231924. Narrow lines were also recorded for the stars, H. D. 229896, 229995, 230406, 230480, 230729, 230804, 231139, 231199, 231322, 231570, 231583, 231647, 231883, and 232172. Broad or double lines were observed in spectra of H. D. 229925, 229969, 230769, 230789, and 231375. The spectra of the following stars show evidence, more or less marked, of being of the composite type: H. D. 229495, 230046, 230727, 230837, 230851, 230960, 231104,5, 231131, 231179, 231211, 231517, 231520,1, 231613,4, and 231763,4. In the spectra of H. D. 229318 and 231512, the line 4077 is strong. H. D. 231512 shows other peculiarities, especially a lack of continuity of the "G" band, and a narrow Hε. H. D. 231006 has strong absorption at the region of 4227. Line 4026 is strong in the spectrum of H. D. 231591. H. D. 229680 is the variable star AP Herculis.

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228300 — $20^h\ 8^m.8$ to $20^h\ 10^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	8.8	+35 35	10.4	B3	3808	9.3	+33 9	10.8	K7	..	9.8	+37 15	11.1	A	..	10.2	+36 3	11.4	Fo
2	*3914*	8.8	+35 7	9.9	B8	3655	9.4	+41 10	8.9	Ao	*3940*	9.8	+37 0	10.9	A2	*3929*	10.2	+35 6	10.6	B
3	..	8.9	+39 52	11.9	K2	4087	9.4	+39 50	11.6	A5	3941	9.8	+36 23	9.5	Fo	..	10.2	+34 29	11.5	A3
4	3826	8.9	+37 17	10.9	Fo	4084	9.4	+39 30	10.0	Ao	*3926*	9.8	+35 3	11.0	A2	..	10.3	+40 36	10.4	Ao
5	..	8.9	+35 27	11.9	A	4085	9.4	+39 11	9.9	G5	..	9.8	+34 59	11.5	A	*3962*	10.3	+39 7	11.2	G5
6	..	8.9	+34 38	10.8	A2	3951	9.4	+38 41	9.4	Go	..	9.8	+33 32	11.5	Ao	3948	10.3	+36 30	10.1	B3
7	3652	9.0	+41 36	10.1	Fo	..	9.4	+38 38	10.3	A	3657	9.9	+41 55	10.7	Fo	..	10.3	+36 0	10.7	Mo
8	..	9.0	+40 48	11.5	G	3830	9.4	+37 41	10.2	Fo	4089	9.9	+39 24	10.0	B9	*3816*	10.3	+34 0	11.3	Ko
9	..	9.0	+39 18	12.0	F	..	9.4	+36 28	11.5	A	..	9.9	+38 10	11.2	A2	3663	10.4	+41 28	10.8	F8
10	..	9.0	+38 59	11.6	K5	..	9.4	+36 16	11.0	B9	*3832*	9.9	+38 3	10.8	G5	..	10.4	+40 11	11.8	A
11	3947	9.0	+38 24	10.1	F2	3936	9.4	+36 12	10.2	Fo	..	9.9	+37 59	10.9	Fo	3837	10.4	+37 56	9.5	Bo
12	..	9.0	+38 3	10.5	Go	..	9.4	+35 7	11.2	A3	..	9.9	+37 48	11.4	A	3836	10.4	+37 37	10.1	Ko
13	..	9.0	+37 11	11.2	A5	..	9.4	+34 12	11.1	A	3833	9.9	+37 24	9.6	Ko	3835	10.4	+37 28	9.6	B2
14	3934	9.0	+36 59	10.7	A2	..	9.5	+40 52	11.7	K7	*3942*	9.9	+37 7	11.5	Fo	*3951*	10.4	+37 6	10.9	Ao
15	..	9.0	+36 6	11.3	A3	4061	9.5	+40 43	9.9	B	..	9.9	+36 1	11.4	A	3950	10.4	+36 49	9.8	Fo
16	..	9.0	+35 36	11.5	A5	4086	9.5	+39 37	11.8	Ko	4027	9.9	+35 50	11.0	K2	..	10.4	+35 45	11.8	K
17	..	9.0	+34 56	11.7	A	..	9.5	+36 11	10.8	B9p	..	9.9	+35 18	11.8	A	..	10.4	+35 28	11.4	Ao
18	*3805*	9.0	+34 4	10.5	A3	3920	9.5	+34 43	9.8	B	..	9.9	+34 12	10.9	B3	4030	10.4	+35 11	11.0	A5
19	3803	9.0	+33 23	10.8	Ao	3921	9.5	+34 20	10.8	B9	3811	9.9	+33 19	10.9	K8	..	10.4	+34 22	11.2	Ko
20	..	9.1	+41 29	12.0	M	..	9.5	+34 9	11.0	A2	..	9.9	+33 14	11.0	A	3818	10.4	+33 21	11.1	K7
21	3653	9.1	+41 18	9.9	A5	..	9.5	+33 36	11.6	A	3658	10.0	+41 22	10.4	Go	*3752*	10.4	+33 8	10.9	B
22	..	9.1	+40 42	11.1	F8	..	9.5	+33 14	11.0	A2	..	10.0	+40 57	11.4	A7	3753	10.4	+32 56	9.5	A2
23	..	9.1	+39 13	11.7	A	..	9.6	+40 22	10.9	G5	3960	10.0	+38 25	11.1	Mo	4069	10.5	+40 20	10.3	Go
24	3950	9.1	+38 17	10.6	G5	3953	9.6	+38 46	9.5	A5	..	10.0	+38 8	11.3	A	3838	10.5	+37 32	9.8	Bo
25	..	9.1	+36 19	10.5	A3	3954	9.6	+38 19	10.6	K2	*3944*	10.0	+37 8	11.5	F2	3839	10.5	+37 18	9.5	A2
26	*4019*	9.1	+36 7	9.1	B5	..	9.6	+38 9	11.2	Ao	3943	10.0	+36 11	8.9	A3	..	10.5	+36 16	11.2	Ao
27	..	9.1	+35 44	11.5	A7	3938	9.6	+36 16	11.1	B	..	10.0	+35 26	10.4	A2	..	10.5	+33 18	11.1	F5
28	3917	9.1	+34 18	10.9	Go	..	9.6	+36 7	11.7	A	..	10.0	+34 56	11.4	Fo	..	10.5	+32 43	10.8	Ao
29	3804	9.1	+33 16	10.7	Fo	3924	9.6	+34 51	10.5	K2	..	10.0	+34 31	11.0	A5	4070	10.6	+40 48	11.8	Ko
30	3654	9.2	+41 22	9.8	A2	3922	9.6	+34 45	9.9	F8	..	10.0	+33 51	11.6	A	..	10.6	+40 25	11.7	K8
31	*4083*	9.2	+40 6	11.1	F2	..	9.6	+33 59	11.4	Ao	3812	10.0	+33 27	10.6	A2	4093	10.6	+39 38	10.5	B9
32	..	9.2	+38 58	11.0	F8	3810	9.6	+33 27	11.4	F	3814	10.0	+33 13	11.0	Ao	..	10.6	+38 59	11.2	Ao
33	..	9.2	+36 27	11.1	A2	*3748*	9.6	+33 5	9.5	B3	3750	10.0	+32 39	10.7	Ao	3840	10.6	+37 43	9.8	Ao
34	..	9.2	+36 15	11.6	Ao	*4062*	9.7	+41 0	10.4	A2	3660	10.1	+41 16	9.6	Ko	*3953*	10.6	+37 4	11.4	F8
35	..	9.2	+35 56	11.2	Ao	4064	9.7	+40 37	11.2	A	..	10.1	+39 47	11.8	A	3952	10.6	+36 51	9.7	A5
36	..	9.2	+35 31	10.6	A2	..	9.7	+40 28	11.4	Fo	4090	10.1	+39 35	11.4	K5	3954	10.6	+36 39	9.4	B9
37	4020	9.2	+35 28	11.1	M2	4063	9.7	+40 19	10.2	G5	*3945*	10.1	+37 0	9.4	B3	3933	10.6	+34 43	10.5	A2
38	..	9.2	+35 28	10.9	A	4088	9.7	+39 41	10.5	A7	3946	10.1	+36 20	9.0	B	4095	10.7	+39 52	10.4	Ao
39	*3918*	9.2	+35 7	9.9	Ao	3955	9.7	+38 35	10.4	Fo	4028	10.1	+35 27	10.4	F8	4094	10.7	+39 42	9.5	Ao
40	..	9.2	+32 58	10.7	F5	..	9.7	+38 17	10.5	B5	3927	10.1	+34 43	10.6	Ko	3964	10.7	+38 11	9.6	B8
41	3746	9.2	+32 51	11.2	Ko	3831	9.7	+37 27	11.7	Mo	3928	10.1	+34 21	10.9	G	3841	10.7	+37 43	10.0	Fo
42	..	9.2	+32 39	11.5	A	4024	9.7	+35 51	10.2	A3	3815	10.1	+33 9	11.0	Mo	..	10.7	+36 3	10.9	Ao
43	..	9.3	+39 40	11.8	G5	..	9.7	+35 37	11.4	Ao	3751	10.1	+32 50	11.5	K	4033a	10.7	+35 44	10.1	Ko
44	3829	9.3	+37 28	10.9	G5	..	9.7	+35 29	11.5	A	3661	10.2	+41 40	10.6	Ao	3666	10.8	+41 58	10.6	Ko
45	..	9.3	+37 1	11.1	B8	..	9.7	+35 21	10.5	Mo	4067	10.2	+40 55	9.4	Ao	3664	10.8	+41 29	11.0	Fo
46	3935	9.3	+36 43	10.8	F2	4025	9.7	+35 19	10.5	Ao	4068	10.2	+40 32	8.7	B3	4072	10.8	+40 57	9.9	B
47	4021	9.3	+35 44	10.4	B3	*3925*	9.7	+35 8	11.1	Fo	4092	10.2	+39 36	11.4	K2	..	10.8	+40 7	11.8	Ao
48	4022	9.3	+35 26	10.1	A2	..	9.7	+32 45	11.4	A	4091	10.2	+39 14	10.0	A2	..	10.8	+40 0	11.0	Ao
49	3809	9.3	+33 54	9.4	Ao	..	9.8	+39 54	11.6	A3	*3961*	10.2	+39 6	10.1	Ao	..	10.8	+38 4	10.9	F5
50	..	9.3	+33 45	11.4	A7	3959	9.8	+38 58	10.2	B9	3947	10.2	+36 15	9.1	B	..	10.8	+35 7	11.1	A2

$+32°.6$ to $+41°.6$

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28500

20h 10m.8 to 20h 12m.9

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	10.8	+34 52	11.7	G	..	11.4	+37 39	11.5	A	3969	11.8	+36 55	10.0	F8	..	12.3	+33 54	11.7	A
2	3935	10.8	+34 15	11.1	Ko	3847	11.4	+37 20	10.0	Ao	3968	11.8	+36 32	10.3	B5	3763	12.3	+32 50	9.6	F8
3	..	10.8	+34 13	11.0	Fo	3964	11.4	+36 58	8.9	B5	4038	11.8	+35 50	9.7	Go	..	12.4	+41 34	10.9	A5
4	..	10.8	+33 43	11.5	F5	4036	11.4	+35 38	11.1	F8	..	11.8	+35 25	11.8	Ao	4082	12.4	+40 33	10.1	B
5	..	10.8	+33 35	11.2	Ao	..	11.4	+35 18	11.7	K2	..	11.8	+34 31	11.2	F8	4083	12.4	+40 19	9.7	Ao
6	3755	10.8	+32 43	9.3	Ko	..	11.4	+35 8	11.8	A	..	11.8	+33 42	11.1	Ao	4107	12.4	+39 40	9.5	A7
7	3667	10.9	+41 27	11.0	K5	..	11.4	+34 42	11.0	B2	..	11.9	+40 54	11.3	Ko	3855	12.4	+37 20	9.4	B8
8	..	10.9	+40 30	10.8	F8	3939	11.4	+34 24	10.7	F5	4080	11.9	+40 11	8.5	Ao	3856	12.4	+37 15	10.8	B
9	3842	10.9	+37 17	9.5	A7	..	11.4	+34 17	11.0	Ao	4105	11.9	+39 26	10.1	G5	..	12.4	+36 2	11.7	A
10	..	10.9	+35 34	11.4	Fo	..	11.4	+34 3	11.2	Ao	..	11.9	+37 8	11.2	F2	4042	12.4	+35 14	11.3	K8
11	3936	10.9	+34 20	10.5	K8	3825	11.4	+33 57	10.9	Go	..	11.9	+36 14	11.2	A7	*3764*	12.4	+33 2	10.4	Ao
12	..	11.0	+41 49	11.0	Ao	3826	11.4	+33 44	9.4	F8	3945	11.9	+34 40	10.8	F5	4085	12.5	+40 45	10.7	Ao
13	..	11.0	+41 34	11.4	A	3823	11.4	+33 39	10.9	Ko	..	11.9	+33 42	11.0	B9	4084	12.5	+40 41	10.1	Ko
14	..	11.0	+41 20	11.0	A	3759	11.4	+32 58	11.1	Ko	3829	11.9	+33 29	10.4	F8	*4108*	12.5	+40 4	10.7	G5
15	..	11.0	+40 53	11.1	Ko	..	11.5	+40 55	11.2	Fo	4106	12.0	+39 19	8.9	B9	*3857*	12.5	+38 8	11.1	Go
16	..	11.0	+40 41	11.4	G5	4099	11.5	+39 27	10.0	A7	..	12.0	+39 8	11.4	G	..	12.5	+37 33	11.5	K2
17	*4097*	11.0	+40 5	8.8	Ao	..	11.5	+39 23	10.2	Ao	..	12.0	+38 52	10.0	Fo	3975	12.5	+36 57	11.5	G
18	..	11.0	+39 30	10.7	Ao	4100	11.5	+39 12	10.2	B3	..	12.0	+37 42	10.9	A5	3834	12.5	+33 35	10.7	F5
19	3965	11.0	+38 37	9.5	B3	..	11.5	+36 51	11.4	A3	3970	12.0	+36 50	11.5	K7	3681	12.6	+41 39	10.9	Ko
20	3966	11.0	+38 11	10.9	K5	..	11.5	+36 38	11.7	A	3830	12.0	+33 44	10.5	Ko	..	12.6	+40 50	10.9	A5
21	3843	11.0	+37 54	9.7	Ao	3824	11.5	+33 54	10.4	Ao	..	12.1	+41 15	11.3	A	..	12.6	+38 34	10.8	B3
22	..	11.0	+37 34	11.3	K7	3673	11.6	+41 10	10.2	Fo	..	12.1	+39 49	11.3	A	3977	12.6	+36 49	10.0	Fo
23	..	11.0	+36 59	11.4	G	4101	11.6	+39 55	10.0	A7	3853	12.1	+37 58	10.4	A3	3976	12.6	+36 46	10.0	Ao
24	..	11.0	+35 56	10.4	Ao	3970	11.6	+38 28	11.6	Fo	3854	12.1	+37 40	10.5	A7	4043	12.6	+35 19	10.0	F8
25	..	11.0	+33 39	11.6	A	..	11.6	+38 4	11.3	A	*4039*	12.1	+36 3	10.3	B	..	12.6	+35 10	11.3	A3
26	..	11.0	+33 24	11.1	Ao	..	11.6	+36 37	11.7	A	..	12.1	+35 21	11.2	Go	3951	12.6	+34 8	10.0	B9
27	4073	11.1	+40 56	9.2	F8	3965	11.6	+36 21	10.2	A3	..	12.1	+34 46	11.7	A	..	12.6	+33 46	11.2	A3
28	..	11.1	+39 22	10.3	B9	3941	11.6	+34 48	10.9	B9	3946	12.1	+34 8	10.0	A2	3765	12.6	+32 59	10.8	K2
29	3820	11.1	+33 9	10.5	A7	3940	11.6	+34 43	10.7	Ao	3832	12.1	+33 44	10.5	F5	..	12.6	+32 41	11.5	A
30	3670	11.2	+41 32	10.9	B	..	11.6	+32 36	11.1	B9	..	12.1	+33 32	10.8	A2	..	12.7	+41 50	12.0	K2
31	4074	11.2	+40 29	12.0	M	..	11.7	+40 42	10.9	Go	..	12.1	+32 54	11.0	Ao	*3978*	12.7	+39 5	10.0	A3
32	..	11.2	+39 48	11.4	Fo	..	11.7	+39 58	11.0	Ao	..	12.1	+32 42	11.2	A2	..	12.7	+38 46	11.1	A5
33	3968	11.2	+38 9	10.0	B5	4102	11.7	+39 47	8.6	Go	3677	12.2	+41 31	10.9	Mo	3858	12.7	+37 8	9.7	B8
34	*3961*	11.2	+37 5	9.2	B3	4103	11.7	+39 24	8.7	Ko	3676	12.2	+41 10	10.7	A7	3952	12.7	+34 48	11.0	B
35	..	11.2	+36 33	10.8	B	3849	11.7	+37 18	9.6	A2	*4081*	12.2	+41 0	8.9	Fo	..	12.7	+33 16	11.3	F5
36	3960	11.2	+36 9	11.5	B	3850	11.7	+37 15	9.9	Ao	..	12.2	+39 20	11.2	Ao	..	12.8	+39 49	10.6	Ao
37	..	11.2	+35 0	11.8	A	3966	11.7	+36 19	10.9	B	3971	12.2	+36 37	10.4	Ao	3979	12.8	+38 46	11.0	F8
38	3821	11.2	+33 55	9.9	Go	3942	11.7	+34 10	10.7	F5	..	12.2	+35 21	11.2	Ao	..	12.8	+38 41	11.2	Fo
39	3822	11.2	+33 48	10.0	Fo	3828	11.7	+33 34	11.0	Go	3947	12.2	+34 51	10.5	F2	..	12.8	+38 30	11.8	K7
40	..	11.2	+33 34	11.5	A	4078	11.8	+40 56	10.3	Ko	..	12.2	+33 56	11.5	A	3861	12.8	+37 37	9.6	B
41	4075	11.3	+40 16	10.7	Go	..	11.8	+40 38	10.1	B9	3679	12.3	+41 53	10.1	Ko	3979	12.8	+36 33	10.4	Ko
42	3969	11.3	+38 24	11.8	K5	4104	11.8	+39 20	8.7	A2	..	12.3	+40 5	10.8	Ao	*4046*	12.8	+36 4	9.8	Fo
43	3844	11.3	+37 50	9.0	Bo	3974	11.8	+38 49	10.0	F8	..	12.3	+39 32	11.6	A	4045	12.8	+35 10	10.1	A2
44	4035	11.3	+35 30	10.3	A7	3972	11.8	+38 45	9.6	A3	..	12.3	+38 38	10.4	Fo	..	12.8	+34 50	11.5	A
45	3938	11.3	+34 12	var.	Ao	3973	11.8	+38 44	9.5	A	..	12.3	+37 15	11.2	A	3682	12.9	+41 40	10.0	Ao
46	3758	11.3	+32 50	10.0	F2	..	11.8	+38 29	11.9	K7	3972	12.3	+36 56	10.1	B3	4110	12.9	+39 38	10.7	Fo
47	*4076*	11.4	+41 5	10.8	Ko	..	11.8	+38 13	11.8	A	3973	12.3	+36 31	10.1	K2	..	12.9	+39 21	11.3	Go
48	4098	11.4	+39 40	10.8	B	3852	11.8	+37 55	10.0	Ao	4041	12.3	+35 22	10.9	Go	..	12.9	+38 51	11.0	Go
49	..	11.4	+37 55	11.2	Go	3851	11.8	+37 24	10.3	Ko	3948	12.3	+34 56	11.8	K7	..	12.9	+37 23	10.0	B
50	3846	11.4	+37 45	10.2	Go	*3967*	11.8	+37 2	10.3	F5	3949	12.3	+34 44	10.4	G5	*3981*	12.9	+37 4	9.9	A2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3982	12.9	+36 10	10.1	A5	*3985*	13.6	+39 4	11.4	K5	3993	14.2	+36 23	10.4	F5	..	15.0	+40 27	10.9	Mo
2	3836	12.9	+33 38	10.8	F8	..	13.6	+38 48	11.4	Go	4057	14.2	+35 58	10.3	A7	4129	15.0	+39 18	9.8	Mo
3	3683	13.0	+41 54	10.8	Ko	3984	13.6	+38 31	10.9	A2	4055	14.2	+35 16	10.1	F2	3999	15.0	+36 22	10.2	Fo
4	3684	13.0	+41 30	10.8	K5	3989	13.6	+36 34	11.1	A7	4056	14.2	+35 13	11.1	G5	*4062*	15.0	+36 2	9.2	B
5	4111	13.0	+39 52	9.9	A3	..	13.6	+35 49	11.5	Ko	3775	14.2	+32 57	10.4	A5	..	15.0	+35 46	10.3	F8
6	3864	13.0	+37 14	8.9	A3	4051	13.6	+35 30	11.2	Ao	3996	14.3	+38 29	10.7	K2	4061	15.0	+35 37	11.4	K5
7	..	13.0	+36 12	10.9	A	3957	13.6	+34 21	10.2	F5	*3873*	14.3	+38 7	8.5	B3	3969	15.0	+34 16	9.5	Fo
8	..	13.0	+35 55	11.3	A5	..	13.6	+32 51	11.3	F8	3872	14.3	+37 17	10.4	F8	*3782*	15.0	+33 6	10.5	Fo
9	*3768*	13.0	+33 0	10.8	A2	3689	13.7	+41 38	9.9	B	..	14.3	+34 45	10.6	B9	4000	15.1	+36 56	10.4	B
10	3767	13.0	+32 49	10.1	Go	4094	13.7	+40 26	9.9	F5	..	14.4	+40 23	10.1	B9	4001	15.1	+36 39	10.0	B
11	..	13.1	+40 56	12.0	A	*3986*	13.7	+39 5	10.1	Ao	4120	14.4	+39 51	9.2	Ao	4063	15.1	+35 35	10.4	Fo
12	4087	13.1	+40 34	9.7	B	..	13.7	+38 19	10.7	B8	..	14.4	+39 36	10.4	A2	..	15.1	+34 45	11.7	A
13	4112	13.1	+39 19	9.5	A2	3842	13.7	+33 56	10.7	F8	4119	14.4	+39 11	10.0	Ko	..	15.1	+33 4	11.3	K8
14	3981	13.1	+38 19	11.0	B5	*4095*	13.8	+41 2	9.5	A2	3874	14.4	+37 59	10.0	Ko	4109	15.2	+40 54	10.9	G5
15	3983	13.1	+36 51	9.5	K2	4116	13.8	+39 36	10.1	F2	3963	14.4	+34 48	9.8	Ko	3877	15.2	+37 29	10.1	K2
16	..	13.1	+33 35	11.7	F5	*3991*	13.8	+37 0	9.8	B	..	14.5	+41 25	12.0	A	4002	15.2	+36 28	10.8	Fo
17	..	13.1	+33 34			3992	13.8	+36 44	11.3	K2	3692	14.5	+41 22	10.8	K2	4003	15.2	+36 23	11.0	Fo
18	..	13.2	+41 25	10.8	Ao	..	13.8	+35 50	11.5	A7	4099	14.5	+40 48	10.6	B5	4064	15.2	+35 32	10.4	Go
19	4088	13.2	+40 55	8.5	A2	4052	13.8	+35 19	11.8	Mo	4100	14.5	+40 42	10.6	Ao	..	15.2	+33 58	11.1	Fo
20	..	13.2	+37 55	11.0	Go	3958	13.8	+34 11	10.8	Ao	4101	14.5	+40 35	10.4	Fo	3849	15.2	+33 19	11.1	K5
21	3865	13.2	+37 13	9.7	K2	3843	13.8	+33 13	10.1	F5	4122	14.5	+39 47	8.8	B5	*4110*	15.3	+41 1	10.9	Ko
22	3986	13.2	+36 53	8.9	G5	4096	13.9	+40 14	10.5	B8	4121	14.5	+39 38	8.9	B9	4111	15.3	+40 52	10.9	Go
23	..	13.2	+36 35	11.7	A	3988	13.9	+38 15	9.9	B	*3965*	14.5	+35 3	10.9	Fo	..	15.3	+40 27	10.9	Ao
24	3984	13.2	+36 21	11.3	A7	..	13.9	+38 4	11.0	Fo	3964	14.5	+34 59	11.1	Fo	4133	15.3	+39 40	11.6	K5
25	3985	13.2	+36 17	11.3	Ko	*3959*	13.9	+35 0	11.1	G5	..	14.5	+34 14	11.5	Ao	4132	15.3	+39 26	9.4	B3
26	*4049*	13.2	+36 8	11.1	A7	4097	14.0	+40 13	9.4	Ao	*3777*	14.5	+33 2	11.0	K7	3880	15.3	+37 25	11.5	K7
27	..	13.2	+36 1	11.8	A	3992	14.0	+38 56	9.4	Ao	*4102*	14.6	+41 2	9.9	B	*3851*	15.3	+34 9	10.8	B8
28	3838	13.2	+33 42	11.3	Ko	3990	14.0	+38 38	9.3	Ko	3999	14.6	+38 21	9.6	B8	3853	15.3	+33 33	9.8	B9
29	*4089*	13.3	+41 0	9.5	Ko	3961	14.0	+34 30	10.5	B	..	14.6	+37 7	11.7	A	..	15.3	+33 14	10.9	Ao
30	..	13.3	+40 27	11.4	B	..	14.0	+34 14	11.1	Go	..	14.6	+36 12	11.8	A5	*3785*	15.3	+33 7	11.1	Go
31	..	13.3	+40 11	11.0	Go	3960	14.0	+34 13	10.8	A3	3997	14.6	+36 9	10.7	K2	3784	15.3	+32 33	11.1	F5
32	3988	13.3	+36 23	11.5	A3	..	14.0	+34 4	11.4	F5	..	14.6	+32 51	11.1	Ko	4113	15.4	+40 23	10.6	B
33	3954	13.3	+34 57	10.3	F8	3845	14.0	+33 55	10.7	Ko	3693	14.7	+41 41	8.8	Ao	..	15.4	+38 36	10.5	F2
34	..	13.4	+41 27	10.9	Ao	3847	14.0	+33 43	9.9	Ao	4126	14.7	+39 34	8.5	B3	..	15.4	+38 24	10.5	A2
35	..	13.4	+39 19	11.4	Fo	3844	14.0	+33 26	10.0	Ao	3875	14.7	+37 9	10.0	Go	..	15.4	+37 56	11.1	Fo
36	..	13.4	+39 9	11.8	A	3691	14.1	+41 43	10.7	K2	3966	14.7	+34 43	9.5	K5	*4004*	15.4	+37 5	10.5	B
37	..	13.4	+38 15	11.0	Ao	3690	14.1	+41 22	10.7	Fo	3695	14.8	+41 52	10.8	K5	..	15.4	+37 0	11.7	A
38	3955	13.4	+34 50	10.7	Ko	..	14.1	+40 1	11.5	A	3694	14.8	+41 19	10.5	A3	..	15.4	+34 14	10.8	A3
39	*3839*	13.4	+34 2	11.0	Ao	*3993*	14.1	+39 3	10.8	B	4104	14.8	+40 14	10.9	F5	3852	15.4	+33 55	10.3	Ao
40	*3840*	13.4	+34 2	11.0	Ao	..	14.1	+38 37	10.0	B	*4128*	14.8	+40 4	8.9	G5	3854	15.4	+33 52	10.0	K8
41	3769	13.4	+32 59	11.1	K8	3991	14.1	+38 18	8.5	B5	4000	14.8	+38 34	8.7	Bo	3855	15.4	+33 32	10.5	Fo
42	*4091*	13.5	+41 8	10.0	B	3994	14.1	+38 14	8.8	F2	..	14.8	+37 26	11.5	Ko	..	15.4	+32 42	11.7	A
43	..	13.5	+38 40	11.5	Ao	3870	14.1	+37 38	10.3	A	..	14.8	+33 59	11.9	K2	4005	15.5	+38 36	10.4	F2
44	3983	13.5	+38 31	10.9	Fo	3962	14.1	+34 36	10.7	A2	..	14.9	+41 4	10.9	G5	3970	15.5	+34 16	10.8	F8
45	..	13.5	+35 47	10.6	Fo	..	14.1	+34 11	11.4	A7	4106	14.9	+40 37	9.3	B5	*3856*	15.5	+34 4	10.4	Ao
46	3841	13.5	+33 20	10.5	Ko	..	14.2	+41 12	11.0	F8	4105	14.9	+40 13	11.0	K2	4134	15.6	+39 19	10.3	Ao
47	3688	13.6	+41 43	10.7	F8	4117	14.2	+39 43	10.8	B	4001	14.9	+38 58	10.1	Go	4007	15.6	+38 40	10.2	K5
48	..	13.6	+40 40	11.1	F2	*3995*	14.2	+39 5	11.5	G5	4060	14.9	+35 23	10.3	Ao	*3885*	15.6	+38 7	11.7	K5
49	..	13.6	+39 55	11.9	A	..	14.2	+38 58	10.1	Ao	3968	14.9	+34 48	9.2	B9	4006	15.6	+36 16	9.7	G5
50	..	13.6	+39 50	11.9	K7	..	14.2	+38 50	11.2	A	4107	15.0	+40 38	10.9	F8	4066	15.6	+35 37	11.1	Ko

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	4065	15.6	+35 30	11.3	G5	3861	16.2	+33 53	10.2	Ao	..	16.8	+34 57	10.6	A	..	17.4	+37 34	11.4	Go
2	..	15.6	+32 50	11.6	A	3790	16.2	+32 30	11.0	K5	..	16.8	+34 56	10.7	A	..	17.4	+35 8	11.2	Ao
3	4114	15.7	+40 30	10.8	B8	4137	16.3	+39 14	9.4	B3	..	16.8	+34 33	10.9	B9	3981	17.4	+34 24	11.2	K8
4	..	15.7	+40 9	11.6	F2	..	16.3	+38 34	11.2	Ko	3865	16.8	+33 12	11.2	Ko	*3871*	17.4	+34 7	11.0	Mo
5	*3887*	15.7	+38 6	11.2	B	4011	16.3	+36 59	10.8	G5	*4123*	16.9	+41 4	10.5	Ao	3872	17.4	+33 31	10.8	A2
6	..	15.7	+37 52	10.3	Ao	4012	16.3	+36 55	10.4	Ao	..	16.9	+40 8	11.2	F	..	17.5	+40 21	11.7	A
7	3886	15.7	+37 20	11.1	Ao	4010	16.3	+36 15	9.7	A3	4141	16.9	+39 33	10.0	B3	4147	17.5	+39 35	10.8	G5
8	..	15.7	+35 37	11.0	A5	4013	16.3	+36 13	10.8	Fo	..	16.9	+35 22	11.3	Ao	..	17.5	+39 28	11.0	Ao
9	3857	15.7	+33 27	10.5	K	..	16.4	+40 27	11.2	A	3979	16.9	+34 53	10.7	F8	*4024*	17.5	+37 5	10.0	B
10	3787	15.7	+32 40	10.5	Ao	4138	16.4	+39 19	8.4	B5	3796	16.9	+32 32	10.8	A	4079	17.5	+35 58	9.9	Fo
11	4115	15.8	+40 33	8.7	B3	..	16.4	+39 14	10.7	A	4142	17.0	+39 49	11.0	Ao	..	17.5	+34 49	10.8	Ao
12	..	15.8	+40 30	10.9	K5	..	16.4	+37 7	11.7	A	4143	17.0	+39 15	10.1	A7	*4128*	17.6	+41 8	9.5	A2
13	4067	15.8	+35 54	10.6	B	4071	16.4	+35 47	10.9	K2	*4027*	17.0	+39 0	10.6	K2	3899	17.6	+37 17	11.2	K8
14	3972	15.8	+34 25	10.5	F2	4070	16.4	+35 26	10.2	Ao	..	17.0	+37 32	11.5	A	..	17.6	+35 44	11.2	Ao
15	3858	15.8	+33 33	11.7	K7	..	16.5	+40 15	11.1	A3	4017	17.0	+36 45	10.2	Ko	..	17.6	+35 9	11.2	Ao
16	..	15.8	+33 17	10.6	A3	..	16.5	+39 57	11.5	A5	*3866*	17.0	+34 4	10.4	Go	..	17.6	+34 29	10.9	Ao
17	..	15.8	+33 3	11.7	K2	4139	16.5	+39 24	10.8	Ko	*3868*	17.0	+34 0	10.3	A3	3709	17.7	+41 21	9.9	A3
18	..	15.9	+40 27	10.8	Fo	4017	16.5	+38 40	10.0	B8	3867	17.0	+33 27	9.9	Go	*4033*	17.7	+39 2	9.8	Ao
19	*4135*	15.9	+40 8	10.0	B	4018	16.5	+38 21	10.0	B	3705	17.1	+41 33	10.7	K	3901	17.7	+37 33	10.5	B
20	4009	15.9	+38 11	10.6	A2	3893	16.5	+37 36	11.2	Ao	*4019*	17.1	+37 8	9.5	Fo	..	17.7	+34 12	11.4	Ko
21	4068	15.9	+35 31	9.3	Go	..	16.5	+33 30	11.2	A	4018	17.1	+36 59	11.4	Fo	4131	17.8	+40 55	11.8	M
22	..	15.9	+33 19	11.3	A	..	16.6	+41 23	11.0	A	..	17.1	+35 31	11.3	Go	4149	17.8	+39 34	10.8	K5
23	..	15.9	+33 16	11.2	Ao	4122	16.6	+40 48	10.8	B8	..	17.1	+33 53	10.8	A2	4150	17.8	+39 30	9.8	A5
24	3701	16.0	+41 44	10.8	A5	..	16.6	+40 43	11.0	A	3707	17.2	+41 9	10.3	Ko	..	17.8	+38 16	11.6	A5
25	..	16.0	+41 22	10.9	A	..	16.6	+40 32	10.9	A2	*4126*	17.2	+41 2	10.3	Fo	..	17.8	+38 1	10.3	Go
26	3700	16.0	+41 13	9.5	Ao	..	16.6	+39 50	11.8	M	4125	17.2	+40 11	10.1	Ao	3902	17.8	+37 46	11.0	G5
27	4118	16.0	+40 35	10.6	A2	..	16.6	+39 21	11.8	K5	4144	17.2	+39 18	8.9	B9	..	17.8	+37 43	11.1	B
28	4117	16.0	+40 20	10.8	B	..	16.6	+38 5	11.6	Ao	..	17.2	+39 6	11.0	A	..	17.8	+37 27	10.4	Ao
29	4136	16.0	+39 36	10.7	B	3895	16.6	+37 38	11.0	A3	*4029*	17.2	+39 0	9.9	A5	4029	17.8	+36 18	11.6	Ko
30	*4013*	16.0	+39 0	10.0	K5	*4015*	16.6	+37 1	10.2	Go	..	17.2	+38 15	10.3	F2	..	17.8	+35 58	11.3	Ao
31	4014	16.0	+38 48	9.9	A5	..	16.6	+36 37	11.4	Fo	..	17.2	+38 10	11.6	F5	..	17.8	+35 40	11.5	A
32	3891	16.0	+37 52	10.3	B8	4014	16.6	+36 32	10.9	A5	..	17.2	+37 45	11.1	A	*3800*	17.8	+33 1	10.5	A2
33	..	16.0	+37 17	11.5	G5	..	16.6	+35 51	11.5	A3	3898	17.2	+37 25	9.4	B	3711	17.9	+41 31	9.9	Ao
34	..	16.0	+37 8	11.0	A2	4072	16.6	+35 21	11.6	Ko	4075	17.2	+35 27	11.3	Ko	..	17.9	+39 9	11.4	M5
35	4007	16.0	+36 49	9.7	Ko	*3976*	16.6	+35 7	11.2	Go	*3980*	17.2	+35 6	11.2	G	4034	17.9	+38 18	10.4	B3
36	..	16.0	+36 12	11.7	A7	3793	16.6	+32 30	10.8	A3	..	17.2	+34 17	11.3	A	4030	17.9	+36 12	9.6	A7
37	..	16.0	+34 48	11.0	A7	3704	16.7	+41 39	10.9	G5	3869	17.2	+33 14	11.2	A	3983	17.9	+34 45	9.9	B9
38	3973	16.0	+34 15	10.9	Mo	..	16.7	+41 1	10.3	A2	..	17.2	+32 45	11.5	A	3801	17.9	+32 57	11.4	K5
39	3860	16.0	+33 22	9.7	A2	4025	16.7	+38 23	10.3	B	4127	17.3	+40 53	9.4	A3	..	18.0	+38 24	11.7	K
40	3859	16.0	+33 16	9.8	Ao	4023	16.7	+38 11	10.7	F8	4146	17.3	+39 54	9.5	Fo	3905	18.0	+37 31	10.5	B8
41	4119	16.1	+40 33	8.8	B5	4016	16.7	+36 34	10.9	A	4030	17.3	+38 15	9.0	Fo	..	18.0	+35 53	11.3	A3
42	4015	16.1	+38 54	9.5	A7	*4074*	16.7	+36 4	10.3	Fo	*4021*	17.3	+37 2	10.9	A7	*3986*	18.0	+35 6	11.2	Ao
43	4016	16.1	+38 17	10.0	B	4073	16.7	+35 31	9.9	Fo	4022	17.3	+36 30	10.8	B	3985	18.0	+34 50	10.3	A5
44	..	16.1	+37 26	10.0	A3	3977	16.7	+34 17	11.4	K2	4076	17.3	+35 51	9.9	F2	..	18.0	+34 41	10.8	G5
45	3974	16.1	+34 51	9.9	Ao	..	16.8	+40 40	10.9	Ao	*3870*	17.3	+34 6	9.2	F8	3802	18.0	+32 41	11.7	K2
46	..	16.1	+34 14	10.9	A2	..	16.8	+40 2	10.4	F8	*3798*	17.3	+33 5	11.2	K5	4133	18.1	+40 32	10.6	Go
47	..	16.1	+34 9	10.8	Ao	4140	16.8	+39 19	8.4	B8	..	17.4	+40 34	11.0	A7	*4153*	18.1	+40 3	10.0	Ko
48	4120	16.2	+40 49	9.2	A2	4026	16.8	+38 40	8.8	B9	..	17.4	+39 37	10.9	F8	*3906*	18.1	+38 8	11.0	F5
49	..	16.2	+36 16	10.8	Ao	..	16.8	+38 39	11.1	A	4031	17.4	+38 42	10.0	B2	4033	18.1	+36 32	10.3	B9
50	*3863*	16.2	+34 6	9.5	B8	..	16.8	+35 2	11.1	Go	..	17.4	+38 17	11.2	Fo	3988	18.1	+34 49	10.8	Ao

$+32°.6$ to $+41°.6$

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229100 — $20^h\ 18^m.1$ to $20^h\ 23^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3874	18.1	+33 22	10.4	Ao	4160	19.0	+39 39	9.6	A3	..	19.8	+40 25	10.9	Ao	4154	20.7	+40 20	9.9	A3
2	3875	18.1	+33 21	11.0	G	4048	19.0	+38 9	11.1	Ko	4162	19.8	+39 50	10.1	B	4153	20.7	+40 10	10.4	G5
3	4134	18.2	+40 13	10.0	A3	3910	19.0	+37 39	10.1	B	*4095*	19.8	+36 0	9.9	Fo	4073	20.7	+38 10	10.2	A2
4	4154	18.2	+39 52	9.1	A2	4038	19.0	+36 44	10.9	Ko	3722	19.9	+41 24	11.9	K7	4055	20.7	+36 59	10.7	Fo
5	*4034*	18.2	+37 2	11.4	K2	3805	19.0	+32 56	10.7	Ao	..	19.9	+38 59	10.9	Fo	3733	20.8	+41 17	10.4	Ao
6	3989	18.2	+34 51	11.1	Ao	..	19.1	+39 12	11.3	G5	4060	19.9	+38 46	11.7	K2	4155	20.8	+40 42	9.3	Ko
7	..	18.3	+39 48	11.1	Ko	*4140*	19.2	+41 5	10.0	Ao	3998	19.9	+34 49	9.8	B9	..	20.8	+39 39	11.0	Ko
8	*4038*	18.3	+39 8	10.2	B	4138	19.2	+40 15	10.0	A3	..	19.9	+34 14	11.9	K7	4169	20.8	+39 30	10.2	B
9	..	18.3	+38 16	10.4	A3	4050	19.2	+38 53	9.4	B	..	19.9	+33 57	10.8	A2	4076	20.8	+38 39	9.2	A
10	4083	18.3	+35 55	10.2	Mo	..	19.2	+38 46	11.0	A	3725	20.0	+41 45	8.9	Ao	4075	20.8	+38 30	10.1	K5
11	3991	18.3	+34 43	11.1	F	4049	19.2	+38 26	9.5	A2	4163	20.0	+39 20	8.8	A2	..	20.8	+38 11	10.4	B9
12	..	18.3	+33 59	11.4	K5	*3912*	19.2	+38 1	11.0	Ko	4061	20.0	+38 30	9.6	A3	3924	20.8	+37 35	10.0	B9
13	..	18.4	+40 11	10.9	A	..	19.2	+37 49	11.1	A	3915	20.0	+37 29	10.3	Ao	4056	20.8	+36 14	10.3	B8
14	4156	18.4	+39 31	9.2	Ko	3911	19.2	+37 42	9.0	Go	4050	20.0	+36 12	9.9	B	..	20.8	+35 50	11.1	Ko
15	3992	18.4	+34 55	10.8	B3	4042	19.2	+36 22	11.1	Ao	..	20.0	+35 38	10.5	A5	..	20.9	+41 44	11.2	K5
16	3876	18.4	+33 30	10.5	Fo	3881	19.2	+33 24	10.5	B9	3999	20.0	+34 16	10.2	A2	*4156*	20.9	+41 7	10.7	G5
17	..	18.4	+33 20	11.2	Ao	*4161*	19.3	+40 8	10.8	K	*3886*	20.0	+34 7	10.6	Fo	4158	20.9	+40 35	10.0	A
18	4135	18.5	+40 24	10.6	K5	..	19.3	+37 33	11.7	A	*3887*	20.0	+34 5	10.5	G5	4157	20.9	+40 31	9.3	A
19	*4157*	18.5	+40 7	9.4	Go	3807	19.3	+32 41	10.7	B9	4151	20.1	+40 37	10.8	Ko	4170	20.9	+39 21	9.9	K7
20	4042	18.5	+38 43	10.2	A	..	19.4	+41 31	11.0	A	..	20.1	+40 22	10.6	Ao	3925	20.9	+37 12	10.0	Ao
21	4040	18.5	+38 14	10.3	Fo	*3913*	19.4	+38 8	9.9	B	4062	20.1	+38 11	10.0	B	..	21.0	+37 40	10.7	B9
22	3907	18.5	+37 42	10.9	K7	3914	19.4	+37 21	10.3	Ko	..	20.1	+35 36	11.1	G	4057	21.0	+36 44	10.4	Mo
23	3994	18.5	+34 28	11.3	Mo	..	19.4	+37 7	11.4	A	..	20.1	+33 58	9.7	F8	3734	21.1	+41 43	10.7	K8
24	..	18.5	+33 21	10.9	Ao	*3882*	19.4	+34 7	11.1	Mo	..	20.2	+40 25	10.9	A5	3735	21.1	+41 11	9.5	G5
25	4158	18.6	+39 25	9.3	Ao	..	19.4	+33 21	11.5	F5	4064	20.2	+38 59	10.3	Fo	4171	21.1	+39 46	9.9	K2
26	..	18.6	+38 49	9.5	A2	..	19.5	+40 34	10.8	A2	4066	20.2	+38 53	10.7	Go	4076a	21.1	+38 30	10.1	Fo
27	..	18.6	+36 46	11.4	A	4143	19.5	+40 18	9.8	B9	4065	20.2	+38 8	10.1	B	..	21.1	+37 47	11.0	F8
28	*4084*	18.6	+36 2	10.9	Go	4142	19.5	+40 17	10.6	A5	4098	20.2	+35 27	10.1	Ko	3926	21.2	+37 47	9.7	F8
29	..	18.6	+35 1	11.1	A7	4054	19.5	+38 51	10.9	B8	3888	20.2	+33 54	9.9	Ao	..	21.3	+41 39	12.0	K8
30	..	18.6	+34 26	11.4	A	..	19.5	+38 47	10.0	Ao	3728	20.3	+41 27	9.8	Ko	4173	21.3	+39 16	9.8	Ao
31	..	18.6	+34 20	11.2	Ao	4044	19.5	+36 48	10.4	F5	..	20.3	+39 24	10.6	A2	..	21.3	+38 6	11.1	F2
32	3877	18.6	+33 39	10.9	G5	4043	19.5	+36 31	11.3	Ko	4070	20.3	+38 47	10.3	B	4175	21.4	+39 47	11.8	K5
33	..	18.7	+39 29	10.9	A5	*4091*	19.5	+36 0	10.1	Fo	4068	20.3	+38 14	11.2	Fo	..	21.5	+38 27	11.5	A7
34	4044	18.7	+38 35	10.3	B5	4092	19.5	+35 34	9.7	Fo	4069	20.3	+38 12	9.3	B	..	21.5	+38 23	11.2	Go
35	..	18.7	+37 37	10.3	Ao	..	19.5	+34 41	11.2	A	4052	20.3	+36 41	9.7	Ko	4160	21.7	+40 40	8.5	A2
36	4085	18.7	+35 40	9.4	B9	3996	19.5	+34 29	11.1	K	..	20.4	+41 19	10.7	Ao	3741	21.8	+41 10	9.5	A2
37	3879	18.7	+33 15	11.1	K7	3883	19.5	+33 49	10.5	K1	4165	20.4	+39 49	9.9	Fo	4161	21.8	+40 21	9.9	Ao
38	3878	18.7	+33 13	10.5	K7	..	19.6	+41 48	11.1	K2	4071	20.4	+38 13	9.5	B	..	22.0	+41 14	10.6	Ko
39	..	18.8	+39 48	11.0	A	4145	19.6	+40 31	9.8	A5	4072	20.4	+38 11	9.6	B	..	22.0	+40 2	10.6	Ao
40	4045	18.8	+38 15	11.3	K3	..	19.6	+40 20	11.3	K	3919	20.4	+37 25	9.5	B9	..	22.0	+39 52	10.8	A3
41	*4036*	18.8	+37 3	11.2	F5	..	19.6	+40 0	11.6	Fo	4053	20.4	+36 50	11.1	A	4181	22.1	+39 41	9.9	M
42	4035	18.8	+36 37	11.1	A	4045	19.6	+36 22	9.9	A2	4001	20.4	+34 22	9.7	F5	4182	22.1	+39 15	10.0	Ko
43	4087	18.8	+35 46	10.0	K5	..	19.6	+36 17	10.3	Ao	*4152*	20.5	+41 4	9.3	Ao	3747	22.2	+41 35	9.3	Ko
44	3880	18.8	+33 40	10.6	A2	*4094*	19.6	+36 5	9.9	F2	*4167*	20.5	+40 2	9.0	Go	..	22.2	+41 17	12.1	K8
45	3714	18.9	+41 26	11.3	K5	3884	19.6	+33 59	10.0	Fo	*4054*	20.5	+37 1	9.9	A7	..	22.2	+40 32	10.6	Go
46	4046	18.9	+38 56	9.5	Ao	4147	19.7	+40 34	9.2	B	3729	20.6	+41 30	10.0	K2	4184	22.2	+39 18	9.0	Go
47	4047	18.9	+38 45	11.0	Go	4056	19.7	+38 39	10.2	Ao	..	20.6	+40 55	10.8	Ao	..	22.3	+41 17	11.5	A
48	4037	18.9	+36 34	11.1	Ao	4046	19.7	+36 18	9.8	A5	..	20.6	+39 32	11.6	A	..	22.3	+39 42	10.2	A2
49	..	18.9	+36 17	11.6	A	4047	19.7	+36 34	11.2	K5	..	20.6	+39 25	11.0	F8	..	22.4	+40 41	10.3	A2
50	..	18.9	+34 34	11.1	A3	3997	19.7	+34 57	10.5	B8	..	20.6	+39 22	10.8	B	3749	23.0	+41 30	9.3	Ao

$+32°.6$ to $+41°.6$

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229300

18h38 .8 to 18h42m.8

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	3699	38.8	+17 22	9.0	Fo
2	3760	38.9	+19 15	10.3	Mo
3	3786	39.0	+18 41	9.6	K5
4	3702	39.0	+17 32	10.7	K8
5	3718	39.1	+13 49	10.5	G5
6	3763	39.2	+19 4	9.8	Ao
7	3788	39.2	+18 47	9.2	Fo
8	3703	39.2	+17 35	10.2	A3
9	3618	39.2	+14 2	10.6	A5
10	..	39.2	+13 47	11.1	K
11	3789	39.3	+18 11	11.0	K5
12	3596	39.3	+16 47	9.8	Ko
13	..	39.4	+16 25	12.0	K5
14	3634	39.4	+12 38	9.6	Ao
15	3632	39.4	+12 19	10.0	G5
16	3633	39.4	+12 10	9.8	G5
17	3634	39.4	+10 44	9.8	K2
18	..	39.5	+13 58	11.2	A3
19	3582	39.5	+11 38	9.6	Fo
20	3766	39.6	+19 5	11.5	K5
21	3705	39.6	+17 6	11.6	K8
22	..	39.6	+16 23	11.0	A3
23	3723	39.6	+13 57	11.1	G5
24	..	39.6	+13 31	11.4	F
25	..	39.6	+12 14	10.9	A
26	3792	39.7	+18 33	9.8	K5
27	3706	39.7	+17 46	10.4	A
28	3542	39.7	+15 45	10.4	Go
29	3793	39.8	+18 47	9.4	F2
30	..	39.8	+13 29	11.2	F5
31	3598	39.9	+16 21	11.0	K2
32	3725	39.9	+13 18	9.7	G5
33	3584	39.9	+11 10	9.8	K2
34	3637	39.9	+10 50	10.0	F
35	..	40.0	+16 55	11.4	K7
36	..	40.0	+12 53	11.0	A3
37	3637	40.0	+12 19	9.8	Ao
38	..	40.0	+11 21	10.1	A2
39	3544	40.1	+15 30	10.2	Ao
40	..	40.1	+14 7	12.0	M
41	3726	40.1	+13 31	11.4	K5
42	3728	40.1	+13 16	11.2	K5
43	3772	40.2	+19 29	11.1	K5
44	..	40.2	+17 47	11.3	K
45	3708	40.2	+17 23	10.4	K
46	3621	40.2	+14 41	10.8	Fo
47	3619	40.2	+14 8	9.8	A2
48	..	40.2	+12 46	11.4	A2
49	3639	40.2	+10 54	9.3	Ao
50	3798	40.3	+18 39	9.5	Ao

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
3796	40.3	+18 21	11.9	K5
3797	40.3	+18 14	10.3	Ko
3795	40.3	+18 7	10.4	Ao
3709	40.3	+17 8	11.7	K5
3599	40.3	+16 47	9.4	G5
..	40.3	+15 3	11.5	K4
3620	40.3	+14 19	10.9	K5
3799	40.4	+18 47	8.3	B8
3710	40.4	+17 26	9.6	F5
..	40.4	+16 58	10.9	Ko
3545	40.4	+16 1	10.8	G5
3729	40.4	+13 7	10.7	F8
3640	40.4	+10 50	10.2	G
3802	40.5	+18 47	9.5	Ao
3730	40.5	+13 39	9.4	F2
3587	40.5	+11 21	11.0	Ko
3642	40.5	+10 55	10.2	A5
3773	40.6	+19 10	11.2	K8
3803	40.6	+18 22	10.2	G5
..	40.6	+14 55	10.7	Fo
3623	40.6	+14 37	11.3	A5
3622	40.6	+14 25	11.0	K2
3638	40.6	+12 47	10.5	B9
3588	40.6	+11 45	10.4	G5
3600	40.7	+16 52	10.9	Ko
3641	40.7	+13 0	10.2	Ao
3640	40.7	+12 9	9.8	A2
3643	40.7	+10 43	10.0	Ao
3774	40.8	+19 37	10.1	Ko
3775	40.8	+19 30	10.8	Mo
3601	40.8	+16 49	11.2	K5
3733	40.8	+13 47	9.7	F8
3590	40.8	+11 47	10.0	Ko
3806	40.9	+19 2	8.3	Ao
3807	40.9	+18 53	10.1	K8
3714	40.9	+17 6	9.6	G5
3624	40.9	+14 43	10.7	Ao
3625	40.9	+14 30	11.2	F2
3734	40.9	+14 1	10.6	F5
..	40.9	+12 0	10.9	Ao
3591	40.9	+11 6	9.9	Ao
3809	41.0	+18 13	8.4	A2
3626	41.0	+14 19	9.6	Go
3735	41.0	+13 40	11.0	K5
3736	41.0	+13 8	9.4	Ao
3642	41.0	+12 37	10.1	A2
3810	41.1	+18 5	10.6	Mo
3602	41.1	+16 47	10.5	B9
3627	41.1	+14 37	10.9	A
3628	41.1	+14 37	11.2	K

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
..	41.1	+14 23	11.2	A2
..	41.2	+19 33	11.0	K5
3603	41.2	+16 54	9.7	Ko
..	41.2	+16 19	11.2	A2
3624	41.2	+14 52	11.4	K1
3630	41.2	+14 35	11.1	K5
3811	41.3	+18 50	9.2	G5
..	41.3	+18 36	10.6	K2
3604	41.3	+16 11	11.1	Ao
..	41.3	+16 4	11.2	Ao
..	41.3	+15 2	10.7	F5
..	41.3	+14 45	11.1	A7
3737	41.3	+14 1	10.1	Ao
3643	41.3	+12 14	11.1	G5
3646	41.3	+10 17	10.2	A
3547	41.4	+15 6	10.1	Ao
3631	41.4	+14 30	11.0	K2
3594	41.4	+11 45	10.0	K5
..	41.4	+10 24	11.7	K8
3633	41.5	+14 17	11.3	K2
3632	41.5	+14 8	10.2	A2
3738	41.5	+13 35	10.0	Ao
3739	41.5	+13 22	8.8	F8
3595	41.5	+11 31	10.2	Ao
3648	41.5	+10 38	9.7	Ao
3780	41.6	+19 37	9.8	A3
3598	41.6	+11 7	9.8	Ko
..	41.7	+19 16	11.0	K3
..	41.7	+19 8	10.5	Ko
3815	41.7	+18 23	9.6	Ao
..	41.7	+16 48	10.2	A7
3548	41.7	+15 39	9.4	Ao
..	41.7	+14 4	11.2	Ao
3781	41.8	+19 16	12.1	Mo
..	41.8	+16 44	11.4	M
3549	41.8	+15 48	10.6	Mo
3550	41.8	+15 11	11.2	K2
..	41.8	+14 35	11.1	Ko
3740	41.8	+13 45	11.3	K
3646	41.8	+12 37	10.8	K7
3608	41.9	+16 31	11.0	G5
3607	41.9	+16 15	11.4	Mo
3647	41.9	+12 39	10.2	Fo
3648	41.9	+12 14	9.8	A2
3599	41.9	+12 1	10.0	K5
..	42.0	+18 12	10.6	Ao
3649	42.0	+13 0	11.5	Mo
3650	42.0	+10 49	9.8	Ao
3816	42.1	+18 43	10.0	F2
3609	42.1	+16 53	8.7	Go

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
3552	42.1	+15 11	10.0	A3
3634	42.1	+14 11	10.9	Ko
3741	42.1	+13 44	10.2	K2
3742	42.1	+13 38	10.5	G
3555	42.2	+15 43	11.6	M
3554	42.2	+15 27	11.0	A2
3636	42.2	+14 5	9.8	A2
3652	42.2	+11 2	10.2	Ao
3818	42.3	+19 1	9.8	Ao
..	42.3	+15 53	11.2	F8
..	42.3	+13 55	11.2	A
3743	42.3	+13 7	11.6	K
3652	42.3	+12 11	9.8	G5
3819	42.4	+18 51	9.4	Ao
..	42.4	+16 2	11.8	M
3556	42.4	+15 35	10.8	K
3557	42.4	+15 33	10.4	K
3637	42.4	+14 50	11.4	K2
3745	42.4	+13 41	11.7	K5
3744	42.4	+13 3	9.8	A5
3653	42.4	+11 2	10.8	Ao
3654	42.4	+10 53	11.0	A
3610	42.5	+16 56	10.9	K5
..	42.5	+16 51	10.4	Ao
3558	42.5	+15 17	9.5	A2
3559	42.5	+15 9	9.9	Ko
3639	42.5	+15 1	11.2	K3
3746	42.5	+13 27	9.8	A3
..	42.5	+12 36	10.0	A2
3656	42.5	+10 8	10.8	K5
3822	42.6	+18 50	10.3	Ko
..	42.6	+16 4	11.3	G5
3560	42.6	+15 38	10.2	A2
3561	42.6	+15 24	9.6	Fo
..	42.6	+14 40	10.2	B5
3638	42.6	+14 31	10.7	K1
3640	42.6	+14 7	10.1	A2
3749	42.6	+13 49	10.2	A2
3747	42.6	+13 48	10.3	Ko
3824	42.7	+18 26	11.4	K5
3562	42.7	+15 30	10.0	F8
3601	42.7	+11 53	9.8	A2
3603	42.7	+11 16	9.9	Ao
..	42.8	+19 11	11.5	Ko
3612	42.8	+16 33	10.4	F5
..	42.8	+16 5	11.2	A
..	42.8	+15 58	10.4	F8
3564	42.8	+15 34	9.8	A2
..	42.8	+14 16	11.1	A3
3750	42.8	+13 39	9.1	B8

+10°.2 to +19°5.

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229500 **$18^h42^m.8$ to $18^h46^m.2$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3605	42.8	+11 48	9.1	Fo	3723	43.9	+17 49	9.6	A5	3765	44.6	+13 6	10.0	A2	..	45.4	+12 15	10.8	Ao
2	3606	42.8	+11 43	9.6	K	..	43.9	+17 35	11.6	K	..	44.6	+12 22	11.2	A5	3805	45.5	+19 4	10.6	G5
3	3657	42.8	+10 19	9.8	Ao	3759	43.9	+13 54	10.5	F5	3626	44.7	+16 17	10.2	A2	3735	45.5	+17 33	11.2	K5
4	3614	42.9	+16 49	9.0	Ao	..	43.9	+13 53	11.2	A	3625	44.7	+16 13	9.0	Ko	..	45.5	+14 42	11.1	Ao
5	3566	42.9	+15 31	9.4	F5	..	43.9	+10 41	11.1	A	3581	44.7	+15 30	8.8	F8	..	45.5	+14 23	10.5	A2
6	3565	42.9	+15 23	10.3	A5	..	44.0	+19 0	10.4	Fo	3580	44.7	+15 12	8.9	A2	3772	45.5	+13 35	10.3	Ko
7	3643	42.9	+14 46	9.6	A4	3724	44.0	+17 5	11.1	Go	3800	44.8	+19 3	11.0	K8	..	45.5	+12 46	10.8	A3
8	..	42.9	+14 16	10.7	Go	3619	44.0	+16 42	11.4	K2	*3830*	44.8	+19 2	9.8	Ko	*3835*	45.6	+19 3	10.8	A3
9	3654	42.9	+12 40	11.3	F8	3620	44.0	+16 8	11.2	K2	..	44.8	+18 6	11.2	Go	..	45.6	+17 48	10.8	Ko
10	3785	43.0	+19 6	11.4	K5	3648	44.0	+14 52	10.7	G5	..	44.8	+18 3	11.4	K	3736	45.6	+17 27	11.4	M
11	..	43.0	+16 48	10.4	Fo	..	44.0	+13 22	11.2	G	3627	44.8	+16 9	9.5	A5	..	45.6	+16 55	11.3	A
12	3752	43.0	+13 50	10.9	F5	3659	44.0	+12 55	10.8	K5	*3656*	44.8	+15 2	10.4	F5	*3585*	45.6	+16 0	10.0	Ko
13	3655	43.0	+12 20	9.5	Ko	3658	44.0	+12 23	9.6	Ao	3655	44.8	+14 9	10.3	K2	3774	45.6	+13 48	9.8	Ko
14	3659	43.0	+10 15	10.0	G5	3794	44.1	+19 26	10.0	Ko	..	44.8	+13 40	10.9	Go	..	45.6	+11 14	11.2	A
15	3568	43.1	+15 56	9.6	F8	3828	44.1	+18 44	10.5	Ko	..	44.8	+12 57	11.4	Go	3738	45.7	+17 18	11.3	K
16	3751	43.1	+13 21	10.4	K2	3726	44.1	+17 22	10.0	Ao	3663	44.8	+12 49	9.7	G5	3737	45.7	+17 17	10.8	Ao
17	..	43.1	+12 56	11.9	M	3574	44.1	+15 43	10.2	M5	3665	44.8	+12 8	9.8	B9	..	45.7	+16 47	11.4	G5
18	..	43.1	+11 50	10.9	Ao	..	44.1	+15 16	11.0	F5	*3620*	44.8	+12 2	9.6	Ao	..	45.7	+15 51	10.6	Fo
19	3615	43.2	+16 36	10.8	K7	3575	44.1	+15 7	9.3	A2	3628	44.9	+16 46	9.7	F8	3659	45.7	+14 27	9.8	A3
20	3754	43.2	+13 5	11.2	Go	..	44.1	+14 58	10.8	F5	*3582*	44.9	+16 0	10.2	F2	3658	45.7	+14 12	10.2	Mo
21	..	43.2	+10 7	10.3	A	*3612*	44.1	+12 0	10.4	A7	3668	44.9	+12 36	9.6	Fo	3775	45.7	+13 22	10.4	Ko
22	3788	43.3	+19 20	10.2	K5	*3621*	44.2	+17 1	10.2	G5	3831	45.0	+18 13	9.8	Ao	..	45.7	+13 0	11.0	F5
23	*3718*	43.3	+18 0	11.1	A7	3760	44.2	+13 42	10.9	G5	3732	45.0	+17 18	9.8	F2	3675	45.7	+12 21	11.1	Ao
24	..	43.3	+11 51	10.8	Ao	3613	44.2	+11 28	9.9	K5	3670	45.0	+12 44	10.0	A2	..	45.8	+16 58	11.2	Ao
25	3661	43.3	+10 59	9.8	K3	*3670*	44.2	+11 2	11.2	A5	3669	45.0	+12 31	10.7	K5	3677	45.8	+12 27	10.0	Ko
26	*3825*	43.4	+19 0	9.7	Ao	3669	44.2	+10 54	11.9	M	..	45.0	+12 7	11.3	F2	3632	45.8	+11 22	11.8	K
27	3570	43.4	+15 34	10.8	Ko	..	44.3	+14 33	11.1	Ao	3623	45.0	+11 14	10.7	A3	3631	45.8	+11 16	11.0	A3
28	..	43.4	+14 51	11.3	A	3649	44.3	+14 9	10.4	F5	3676	45.0	+10 6	9.6	A	3836	45.9	+18 17	9.0	G5
29	3609	43.4	+11 22	9.7	A2	3762	44.3	+13 56	10.3	Ao	3802	45.1	+19 36	9.7	K1	3739	45.9	+17 40	9.8	A3
30	3616	43.5	+16 9	9.4	G5	3761	44.3	+13 32	9.5	B8	3832	45.1	+18 57	10.0	Go	..	45.9	+15 49	var.	Go
31	3571	43.5	+15 53	9.6	A2	3614	44.3	+11 46	9.8	F8	3833	45.1	+18 4	8.9	Ao	..	45.9	+13 50	11.5	M3
32	3756	43.5	+13 12	10.4	Go	3615	44.3	+11 11	9.8	Ao	3630	45.1	+16 22	10.5	F8	3777	45.9	+13 31	11.4	K5
33	3719	43.6	+17 18	9.8	F2	3727	44.4	+17 50	11.4	K5	..	45.1	+15 16	10.2	Go	3678	45.9	+12 12	10.8	F5
34	..	43.6	+15 13	10.6	A	3577	44.4	+15 30	10.4	Go	3768	45.1	+13 41	10.4	K1	3682	45.9	+10 19	9.7	B9
35	3572	43.6	+15 9	9.9	B9	3650	44.4	+14 13	11.4	Mo	3769	45.1	+13 7	9.2	G5	..	46.0	+18 48	10.2	A3
36	3644	43.6	+14 26	9.7	Ao	3651	44.4	+14 4	10.4	Go	..	45.1	+12 52	11.3	A	3741	46.0	+17 53	9.7	Ao
37	3611	43.6	+11 37	9.4	B9	3763	44.4	+13 49	10.5	K2	3671	45.1	+12 25	9.3	Go	3586	46.0	+15 49	10.0	Ko
38	3664	43.6	+10 13	11.5	K	3616	44.4	+11 50	9.8	Ko	3625	45.1	+11 29	10.4	Fo	3779	46.0	+13 45	10.1	G5
39	3721	43.7	+17 4	10.4	A2	3829	44.5	+18 44	9.6	A2		45.1	+11 29	11.0	A2	3838	46.1	+18 53	11.2	Mo
40	*3618*	43.7	+17 3	10.9	Mo	3729	44.5	+17 21	10.1	Mo	3733	45.2	+17 35	11.3	K8	..	46.1	+16 30	11.3	G
41	..	43.7	+16 2	11.3	A3	3623	44.5	+16 10	9.8	Ao	3631	45.2	+16 9	10.6	A3	3588	46.1	+15 23	10.0	B9
42	3645	43.7	+14 54	11.0	Ko	*3578*	44.5	+16 0	10.5	F8	..	45.2	+15 24	10.0	A3	3587	46.1	+15 4	11.9	K
43	3646	43.7	+14 39	9.9	A2	3652	44.5	+14 14	11.6	K5	3657	45.2	+14 42	9.2	F5	..	46.1	+13 18	11.2	G5
44	3657	43.7	+12 47	11.6	K	3661	44.5	+12 38	9.7	K2	..	45.2	+13 56	11.4	K	3680	46.1	+12 27	11.6	K2
45	..	43.7	+12 4	11.5	Go	3799	44.6	+19 21	9.0	Ao	3771	45.2	+13 55	9.8	G5	3633	461	+.11 49	10.0	F2
46	3722	43.8	+17 59	9.8	Fo	3731	44.6	+17 27	9.9	Ao	3834	45.3	+18 42	10.1	F5	..	46.1	+11 26	11.5	A
47	..	43.8	+17 13	11.0	G5	3730	44.6	+17 3	10.2	Go	3679	45.3	+10 13	10.2	A	3686	46.1	+10 26	10.2	Fo
48	..	43.8	+14 29	10.6	B9	..	44.6	+16 36	10.4	A2	..	45.4	+15 0	11.2	Ao	3660	46.2	+14 23	11.3	K2
49	3757	43.8	+13 5	9.9	Go	3624	44.6	+16 21	9.9	F5	..	45.4	+14 18	11.0	Fo	3688	46.2	+10 54	10.8	A
50	*3826*	43.9	+19 0	11.1	M6	..	44.6	+16 17	11.2	A2	3674	45.4	+12 29	9.2	B9	3689	46.2	+10 11	10.0	B8

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3742	46.3	+17 47	10.2	A3	..	46.8	+11 42	11.5	K	..	47.5	+15 31	11.1	K5	3696	48.1	+12 27	9.8	Ko
2	..	46.3	+16 29	11.3	F2	3842	46.9	+18 33	9.8	K2	3675	47.5	+14 7	10.0	Ao	..	48.1	+11 20	11.4	F5
3	3662	46.3	+14 37	11.0	A4	3746	46.9	+17 14	10.4	Ko	3786	47.5	+13 42	10.4	Ko	..	48.1	+10 49	10.0	Ao
4	3661	46.3	+14 8	10.0	A2	3745	46.9	+17 9	9.9	Fo	3692	47.5	+12 3	10.4	A3	..	48.1	+10 48	10.2	A2
5	..	46.3	+13 38	10.6	Go	3638	46.9	+16 52	9.7	Go	..	47.5	+11 36	11.2	Go	3817	48.2	+19 3	10.4	G5
6	3690	46.3	+10 20	9.9	A3	..	46.9	+14 15	11.7	Mo	3643	47.5	+11 20	11.4	K	3850	48.2	+18 33	9.8	Go
7	3807	46.4	+19 10	10.4	Go	..	46.9	+13 3	11.1	F	3812	47.6	+19 4	11.2	K8	..	48.2	+17 45	11.2	G
8	3635	46.4	+16 25	10.6	A3	..	46.9	+13 0	11.5	A	..	47.6	+16 14	11.4	A	3757	48.2	+17 30	9.8	F5
9	3589	46.4	+15 49	11.0	F8	..	46.9	+12 3	11.4	A3	..	47.6	+15 18	11.2	F5	3604	48.2	+15 59	10.4	Go
10	3664	46.4	+14 54	9.4	A3	3636	46.9	+11 7	11.0	K5	3677	47.6	+14 37	10.6	Ko	3687	48.2	+14 53	10.8	F8
11	..	46.4	+12 19	11.6	Ko	*3700*	46.9	+11 1	11.2	K5	3676	47.6	+14 23	9.8	F5	3688	48.2	+14 44	9.8	Go
12	*3695*	46.4	+11 1	11.0	K2	..	46.9	+10 14	10.4	Ao	3788	47.6	+13 15	10.7	Fo	3686	48.2	+14 32	10.6	K2
13	..	46.4	+10 38	10.6	K2	3844	47.0	+18 23	8.8	Fo	3693	47.6	+12 55	9.6	Ao	3797	48.2	+13 54	10.0	Ko
14	3693	46.4	+10 17	10.2	B5	3639	47.0	+16 45	11.1	K5	..	47.6	+11 23	11.4	Ko	..	48.2	+13 47	11.2	F
15	3691	46.4	+10 12	10.4	A	3595	47.0	+15 14	10.1	G5	3645	47.7	+16 24	10.0	K1	3796	48.2	+13 25	11.3	K5
16	3694	46.4	+10 11	9.8	Ko	3674	47.0	+14 51	11.1	K5	..	47.7	+16 0	10.6	Fo	*3647*	48.2	+12 3	9.9	A5
17	*3743*	46.5	+18 3	11.4	K5	3673	47.0	+14 26	10.2	B8	3600	47.7	+15 56	9.6	Ko	3648	48.2	+11 44	9.6	F2
18	3590	46.5	+15 17	10.8	F5	..	47.0	+14 10	11.2	A2	3599	47.7	+15 25	10.8	A5	..	48.2	+11 18	10.4	Go
19	3663	46.5	+14 31	11.0	Ko	3688	47.0	+12 24	11.2	Mo	3678	47.7	+14 59	11.3	K8	..	48.3	+17 55	11.0	A
20	..	46.5	+14 27	11.2	G5	3637	47.0	+11 15	9.7	A5	3644	47.7	+11 25	10.6	Ko	3758	48.3	+17 40	9.8	B9
21	3780	46.5	+13 37	10.1	A2	3701	47.0	+10 43	10.7	K2	*3704*	47.7	+11 1	9.7	B9	3606	48.3	+15 50	11.2	Ko
22	3683	46.5	+12 11	11.6	Ko	3702	47.0	+10 31	10.0	Ao	3813	47.8	+19 4	11.0	Ko	3605	48.3	+15 12	10.4	A3
23	..	46.5	+11 52	11.2	A	3846	47.1	+18 24	9.8	K1	3754	47.8	+17 20	10.4	M2	3698	48.3	+12 40	11.2	K3
24	3666	46.6	+14 50	10.1	A3	3845	47.1	+18 4	10.5	F8	3646	47.8	+16 7	10.6	G5	..	48.3	+12 34	11.5	Ao
25	3669	46.6	+14 41	10.7	F5	..	47.1	+13 0	11.6	Go	3601	47.8	+15 57	9.4	G5	3820	48.4	+19 40	10.4	Ko
26	3665	46.6	+14 17	9.4	F5	3689	47.1	+12 3	11.2	K2	..	47.8	+15 3	11.4	K5	..	48.4	+17 57	11.0	A
27	3781	46.6	+13 19	10.2	Ko	3847	47.2	+18 47	10.0	Fo	..	47.8	+14 53	11.2	F8	3689	48.4	+14 46	10.7	F5
28	3684	46.6	+12 52	9.8	Ao	..	47.2	+18 11	10.4	A	3791	47.8	+13 35	11.0	F5	..	48.4	+12 57	11.4	G5
29	..	46.6	+12 30	11.0	A2	3747	47.2	+17 33	10.4	F5	3790	47.8	+13 13	10.9	Ko	..	48.4	+11 57	11.8	A
30	3840	46.7	+18 48	10.4	K2	..	47.2	+12 15	10.6	A3	3645	47.8	+11 6	11.5	K5	3708	48.4	+10 28	9.6	B8
31	3744	46.7	+17 53	9.5	Go	3690	47.2	+12 9	10.6	Go	3647	47.9	+16 48	10.3	A5	3852	48.5	+18 5	10.4	G5
32	3671	46.7	+14 57	10.9	A2	3638	47.2	+11 17	9.9	A2	..	47.9	+15 40	11.4	A4	3761	48.5	+17 13	9.6	Ko
33	3670	46.7	+14 51	11.1	K2	3848	47.3	+18 8	10.2	Ko	..	47.9	+15 33	11.4	F2	3649	48.5	+16 29	10.6	Fo
34	3668	46.7	+14 35	11.1	A4	3748	47.3	+17 25	10.8	Ao	3602	47.9	+15 14	11.2	Ao	3690	48.5	+14 41	10.8	A
35	..	46.7	+14 2	10.7	A3	3643	47.3	+16 50	9.3	G5	..	47.9	+14 37	11.1	Ao	..	48.5	+13 54	11.0	A3
36	3782	46.7	+13 18	9.7	Go	3598	47.3	+15 48	11.2	Ko	3683	47.9	+14 5	10.3	Go	3799	48.5	+13 14	10.2	F8
37	3686	46.7	+12 48	11.5	K5	..	47.3	+15 32	11.7	M	3793	47.9	+13 43	10.6	Fo	3798	48.5	+13 8	11.6	G
38	3685	46.7	+12 35	9.9	Ao	3596	47.3	+15 4	11.2	K2	3792	47.9	+13 38	11.6	K	..	48.5	+12 0	11.6	A
39	3634	46.7	+11 45	9.7	Ao	..	47.3	+13 43	11.0	G5	3794	47.9	+13 10	10.0	Ao	3710	48.5	+10 23	9.8	A5
40	3635	46.7	+11 23	10.1	Go	..	47.3	+12 7	10.7	A8	..	47.9	+11 5	11.4	G5	3823	48.6	+19 36	11.0	Mo
41	3811	46.8	+19 17	9.4	A7	3751	47.4	+17 56	10.2	K5	3849	48.0	+18 11	9.5	Ao	..	48.6	+18 52	11.8	M
42	*3841*	46.8	+19 3	10.3	Go	3752	47.4	+17 25	11.9	K2	3755	48.0	+17 23	9.8	G5	3853	48.6	+18 26	11.2	Ko
43	..	46.8	+16 51	10.5	A2	..	47.4	+16 29	11.3	K8	3756	48.0	+17 4	9.4	Ao	3762	48.6	+17 55	10.0	Fo
44	3636	46.8	+16 32	11.0	A8	..	47.4	+15 36	11.0	B9	..	48.0	+16 29	11.2	Go	3607	48.6	+15 9	9.8	A2
45	3637	46.8	+16 17	10.2	G5	3784	47.4	+13 57	11.1	G5	..	48.0	+13 56	11.6	A	..	48.6	+11 59	11.5	G
46	3594	46.8	+15 53	9.6	B8	3785	47.4	+13 20	10.4	Ao	3646	48.0	+11 24	10.3	A3	..	48.6	+11 48	12.0	K5
47	..	46.8	+15 24	10.9	B8	3639	47.4	+11 24	9.9	Go	..	48.0	+10 37	10.6	A3	..	48.6	+11 26	11.4	A
48	3672	46.8	+14 9	10.6	G5	..	47.4	+10 57	10.6	A2	3603	48.1	+15 17	11.0	K5	3650	48.7	+16 40	11.3	Go
49	..	46.8	+13 33	11.0	F5	*3753*	47.5	+18 2	10.9	Ko	3685	48.1	+14 55	10.4	K1	3608	48.7	+15 19	9.5	Ao
50	3687	46.8	+12 58	10.2	Go	3644	47.5	+16 58	9.5	G5	3684	48.1	+14 25	9.6	Ao	3800	48.7	+13 3	11.2	A5

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1936AnHar.100....1C

229900 **$18^h\ 48^m.7$ to $18^h\ 51^m.2$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	48.7	+10 57	11.3	A	3718	49.3	+10 47	9.9	K2	3661	50.0	+11 46	10.3	A2	3663	50.6	+11 36	11.0	G5
2	3856	48.8	+18 13	9.8	Ko	3717	49.3	+10 5	11.2	G5	3867	50.1	+18 29	10.0	K5	..	50.6	+11 5	10.2	Go
3	3651	48.8	+16 46	9.4	Go	3766	49.4	+17 37	10.8	Ko	3770	50.1	+17 31	10.4	B9	3837	50.7	+19 9	10.4	Ko
4	..	48.8	+15 38	11.1	A	3659	49.4	+16 53	10.0	Ao	..	50.1	+16 44	11.4	Mo	..	50.7	+17 45	11.2	G5
5	3693	48.8	+14 58	10.3	B9	3660	49.4	+16 30	9.6	A2	3662	50.1	+16 43	10.2	F8	3668	50.7	+16 50	10.8	K2
6	3691	48.8	+14 20	9.8	Ko	3804	49.4	+13 48	10.7	A3	*3614*	50.1	+16 2	10.8	K5	3707	50.7	+14 16	12.0	K5
7	3692	48.8	+14 15	9.5	Ao	3709	49.4	+12 5	11.2	Ko	3809	50.1	+13 23	10.8	Fo	..	50.7	+13 39	11.4	A3
8	3802	48.8	+13 31	10.8	Go	*3862*	49.5	+19 3	10.2	B9	..	50.1	+12 9	10.9	B9	3811	50.7	+13 26	10.2	Go
9	3857	48.9	+18 46	10.3	Go	3767	49.5	+17 33	11.1	Ko	3723	50.1	+10 55	10.0	F8	3719	50.7	+12 10	10.0	Ao
10	3763	48.9	+17 9	9.4	Ao	..	49.5	+17 32	11.0	Fo	*3771*	50.2	+18 3	9.6	F8	..	50.7	+11 43	12.0	K
11	..	48.9	+15 38	11.1	Ao	..	49.5	+15 21	11.2	A3	..	50.2	+15 45	11.9	K7	3772	50.8	+17 10	10.0	Go
12	3700	48.9	+12 13	11.3	Go	3697	49.5	+14 27	11.0	Go	..	50.2	+14 22	10.8	Ao	3617	50.8	+15 38	11.0	F8
13	..	48.9	+11 48	11.7	Ko	3805	49.5	+13 38	11.4	A	3703	50.2	+14 19	11.6	K	..	50.8	+12 28	11.2	Fo
14	3713	48.9	+10 30	10.2	Ao	3710	49.5	+12 41	11.3	K5	..	50.2	+13 54	11.2	F5	..	50.8	+12 2	11.6	Mo
15	3858	49.0	+18 48	10.6	A8	..	49.5	+10 7	11.2	A	3714	50.2	+12 53	11.4	Go	3667	50.8	+11 56	11.2	F2
16	3653	49.0	+16 32	11.1	K5	3830	49.6	+19 15	10.9	Ko	..	50.2	+11 42	11.2	B9	..	50.8	+11 48	11.8	A3
17	3652	49.0	+16 12	10.9	F5	..	49.6	+16 16	11.3	F8	3724	50.2	+10 51	10.6	Mo	3666	50.8	+11 9	10.8	K2
18	3610	49.0	+15 27	11.4	K5	3698	49.6	+14 23	10.2	Ko	3664	50.3	+16 34	9.6	A2	3728	50.8	+10 11	10.4	K5
19	3609	49.0	+15 9	10.9	K8	3806	49.6	+13 12	10.2	Ao	..	50.3	+16 32	10.9	Ao	3870	50.9	+18 6	10.2	A2
20	3694	49.0	+14 54	10.2	A2	3711	49.6	+12 56	9.8	K2	3663	50.3	+16 15	10.6	A2	..	50.9	+15 38	11.0	Ko
21	..	49.0	+14 11	11.0	Go	3654	49.6	+11 10	9.8	Ao	..	50.3	+16 3	11.0	A5	..	50.9	+15 34	11.5	K
22	3701	49.0	+12 55	9.9	K5	3719	49.6	+10 55	10.2	Ao	..	50.3	+11 50	11.2	Ao	3814	50.9	+13 42	10.3	Fo
23	3703	49.0	+12 43	11.0	K5	3832	49.7	+19 32	10.0	A2	3662	50.3	+11 23	9.9	Ao	3812	50.9	+13 23	8.6	B9
24	..	49.0	+11 44	11.7	A2	..	49.7	+15 5	11.2	A5	..	50.3	+10 39	11.3	A	..	50.9	+12 25	11.0	A5
25	..	49.0	+11 34	11.5	A	..	49.7	+14 42	11.2	F5	3725	50.3	+10 21	11.2	Go	3668	50.9	+11 32	10.2	B9
26	3654	49.1	+16 4	11.0	Go	..	49.7	+14 15	11.3	F5	3868	50.4	+18 50	9.6	Go	..	51.0	+18 37	11.0	A3
27	3611	49.1	+15 58	11.0	K2	3864	49.8	+18 12	10.0	Mo	..	50.4	+16 19	11.1	A3	3871	51.0	+18 26	11.9	Mo
28	..	49.1	+13 32	11.2	A3	..	49.8	+17 39	10.6	Go	..	50.4	+16 13	11.2	Ao	3775	51.0	+17 45	11.0	Go
29	..	49.1	+12 42	10.9	A2	3768	49.8	+17 21	10.4	A2	3704	50.4	+14 36	9.8	Ao	3774	51.0	+17 32	10.8	A3
30	3704	49.1	+12 33	10.3	Ao	..	49.8	+15 25	11.8	K5	..	50.4	+14 9	11.6	G5	3773	51.0	+17 6	11.2	K5
31	3706	49.1	+12 20	10.0	Ao	3712	49.8	+12 41	10.8	F8	3810	50.4	+13 7	9.8	Go	3669	51.0	+16 5	11.0	K5
32	3652	49.1	+11 36	9.7	Go	..	49.8	+12 12	11.4	Ao	..	50.5	+18 12	10.6	G5	..	51.0	+14 3	11.5	Ko
33	..	49.1	+11 27	11.6	B9	3655	49.8	+11 21	11.0	A	..	50.5	+16 46	11.0	Fo	3721	51.0	+12 25	11.6	Ko
34	3715	49.1	+10 13	9.8	A3	3833	49.9	+19 10	9.8	A2	..	50.5	+15 3	11.3	A	..	51.0	+12 18	11.0	Ao
35	3861	49.2	+18 53	9.2	Go	3661	49.9	+16 43	10.4	A5	3706	50.5	+14 46	9.7	A2	3669	51.0	+11 45	10.6	A4
36	3859	49.2	+18 5	10.0	M1	3700	49.9	+14 39	10.5	Ko	3705	50.5	+14 10	9.8	A2	3729	51.0	+10 47	10.2	B9
37	..	49.2	+17 25	10.8	Go	..	49.9	+13 48	11.4	A3	..	50.5	+13 17	11.0	A3	3841	51.1	+19 25	10.0	Go
38	3655	49.2	+16 43	11.3	K5	3659	49.9	+11 37	9.8	G5	3716	50.5	+12 38	10.1	A3	3776	51.1	+17 8	10.2	Ao
39	3657	49.2	+16 5	11.0	A2	3722	49.9	+10 50	10.0	B9	..	50.5	+12 30	11.1	Ao	3670	51.1	+16 51	10.3	A3
40	..	49.2	+15 10	10.5	A2	3834	50.0	+19 26	9.6	Fo	..	50.5	+12 4	10.2	Ao	..	51.1	+16 49	10.5	F5
41	3696	49.2	+14 11	11.0	F2	3865	50.0	+18 36	10.0	Go	3726	50.5	+10 59	10.1	Ao	3619	51.1	+15 21	9.9	A2
42	3695	49.2	+14 5	9.4	B9	3866	50.0	+18 3	10.5	K2	3667	50.6	+16 36	11.8	A5	3815	51.1	+13 43	10.6	Ko
43	3803	49.2	+13 5	10.3	A4	3769	50.0	+17 29	10.1	Fo	3665	50.6	+16 9	11.0	K7	3722	51.1	+12 47	9.4	A2
44	..	49.2	+11 50	11.0	Ao	..	50.0	+16 50	11.0	Ao	3616	50.6	+15 40	10.4	K2	..	51.1	+11 35	11.4	A2
45	3653	49.2	+11 21	9.7	Go	3613	50.0	+15 5	11.0	G5	..	50.6	+15 15	11.1	A3	3730	51.1	+10 33	10.0	B9
46	3716	49.2	+10 54	11.2	K	3702	50.0	+14 51	11.6	K8	..	50.6	+14 35	11.0	F5	3731	51.1	+10 32	10.0	B9
47	*3917*	49.2	+10 0	11.2	Ko	3701	50.0	+14 45	10.8	K5	..	50.6	+14 5	11.6	A	3873	51.2	+18 36	10.8	G5
48	3827	49.3	+19 8	10.5	Ko	..	50.0	+12 49	11.2	F8	..	50.6	+14 4	11.6	F	3872	51.2	+18 12	10.8	K2
49	3658	49.3	+16 30	10.6	G5	..	50.0	+12 28	11.2	Go	*3718*	50.6	+13 1	9.6	Fo	..	51.2	+16 42	11.2	Ao
50	3708	49.3	+12 11	11.6	K1	..	50.0	+12 14	11.4	A	..	50.6	+12 45	11.4	Ao	3621	51.2	+15 4	10.5	A4

$+10°.2$ to $+19°.5$

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1936ApJ...84..100...1C

230100 $18^h\ 51^m.2$ to $18^h\ 54^m.4$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	51.2	+14 38	11.8	K	3847	51.9	+19 5	10.4	Go	..	52.7	+11 57	11.9	F8	..	53.4	+11 48	11.4	Fo
2	..	51.2	+14 13	10.8	F5	3882	51.9	+18 14	8.8	B9	3850	52.8	+19 12	11.2	Ko	3680	53.4	+11 33	10.4	F8
3	3710	51.2	+14 11	9.7	F5	3783	51.9	+17 42	11.8	G5	3678	52.8	+16 34	11.2	K3	..	53.4	+10 12	11.5	A
4	..	51.2	+13 57	11.5	A2	..	51.9	+13 44	11.6	F	..	52.8	+15 14	10.8	F8	..	53.5	+19 12	11.6	G5
5	3724	51.2	+12 5	11.1	Ko	3820	51.9	+13 28	11.0	Fo	3732	52.8	+12 50	11.5	Go	..	53.5	+17 16	11.3	Fo
6	3670	51.2	+11 48	10.0	F5	..	51.9	+13 18	11.2	Fo	3742	52.8	+10 12	11.0	A	..	53.5	+16 57	11.2	F5
7	3732	51.2	+10 30	11.0	K5	3819	51.9	+13 6	10.8	Ao	3789	52.9	+17 32	9.8	Fo	3737	53.5	+12 57	11.4	K
8	*3712*	51.3	+15 3	11.0	F8	3785	52.0	+17 31	10.2	G5	..	52.9	+17 31	11.2	K5	3738	53.5	+12 53	10.9	F5
9	..	51.3	+14 37	11.6	F8	3784	52.0	+17 9	11.2	F2	..	52.9	+15 10	11.3	A2	..	53.6	+15 26	10.6	F5
10	3711	51.3	+14 31	9.8	A3	..	52.0	+14 56	11.4	Go	..	52.9	+14 17	11.3	A5	3727	53.6	+14 56	10.6	A8
11	..	51.3	+14 3	11.8	K2	..	52.0	+14 4	11.3	F5	3720	52.9	+14 16	9.8	B3	..	53.6	+14 53	10.9	Ao
12	..	51.3	+13 2	11.3	Ko	..	52.0	+13 27	11.2	A5	..	52.9	+12 53	12.0	K5	3740	53.6	+12 38	11.2	Go
13	..	51.3	+12 58	11.4	A	3883	52.1	+18 15	10.6	F5	..	52.9	+11 38	11.6	A	..	53.6	+12 6	11.5	Go
14	..	51.3	+12 14	11.6	Ao	..	52.1	+17 25	11.1	Ao	..	52.9	+11 30	11.0	A2	..	53.7	+17 43	11.3	Ao
15	3733	51.3	+10 18	10.2	Go	3821	52.1	+13 59	10.6	Ao	3678	52.9	+11 10	11.0	Ko	..	53.7	+15 32	10.7	F5
16	3874	51.4	+18 33	11.8	Ko	3822	52.1	+13 34	10.8	B9	3886	53.0	+18 45	10.9	Ao	3685	53.8	+16 3	10.8	K1
17	..	51.4	+14 31	11.4	G5	..	52.1	+11 32	11.0	A2	3885	53.0	+18 43	9.0	Ko	..	53.8	+14 23	11.6	A
18	..	51.4	+14 19	11.6	G5	3786	52.2	+17 6	11.2	K1	..	53.0	+17 21	11.2	G	..	53.8	+13 57	11.5	A
19	3816	51.4	+13 28	8.8	B8	3626	52.2	+15 9	10.8	F8	3792	53.0	+17 13	9.9	F8	3834	53.8	+13 5	11.7	G5
20	3725	51.4	+12 32	11.6	G5	..	52.2	+13 56	10.7	A2	3791	53.0	+17 10	11.0	Ko	..	53.8	+10 43	11.3	A
21	3735	51.4	+10 37	10.2	K5	3739	52.2	+10 53	10.8	A	..	53.0	+14 15	11.6	A	3746	53.8	+10 35	10.8	Ao
22	3736	51.4	+10 27	9.8	B8	3740	52.2	+10 21	10.6	Ao	3679	53.0	+11 31	11.1	F5	3853	53.9	+19 20	10.4	Fo
23	3844	51.5	+19 28	9.7	Ao	3787	52.3	+17 40	10.4	Fo	..	53.0	+11 19	11.2	A3	..	53.9	+16 36	11.6	A
24	..	51.5	+15 40	11.4	F8	..	52.3	+16 51	11.1	F5	3743	53.0	+10 45	11.5	Ko	3728	53.9	+14 59	10.8	Fo
25	*3714*	51.5	+15 2	11.1	F5	3716	52.3	+14 41	10.9	K3	3744	53.0	+10 32	11.0	Ko	3741	53.9	+12 32	10.4	B9
26	..	51.5	+14 52	11.4	A3	3675	52.3	+11 29	11.0	Go	3889	53.1	+18 27	10.4	A2	3747	53.9	+10 31	9.7	A3
27	..	51.5	+13 26	11.0	B9	..	52.3	+10 52	11.4	A	3888	53.1	+18 10	11.9	Go	..	54.0	+17 16	11.2	A
28	..	51.5	+13 6	11.2	B9	*3884*	52.4	+19 0	10.5	G5	..	53.1	+17 34	12.1	K5	..	54.0	+17 16	11.4	Ao
29	..	51.5	+11 34	10.2	B9	..	52.4	+17 58	12.0	A	..	53.1	+17 27	11.1	F	..	54.0	+16 40	11.4	K
30	3672	51.5	+11 27	10.0	F8	3788	52.4	+17 39	11.0	K5	*3725*	53.1	+15 2	11.6	K	3641	54.0	+15 31	11.0	F8
31	3876	51.6	+18 48	9.8	A2	..	52.4	+14 39	11.0	Go	3722	53.1	+14 35	11.6	G5	3836	54.0	+13 48	11.4	K5
32	3875	51.6	+18 38	11.1	Ko	..	52.4	+14 12	11.1	A2	..	53.1	+13 43	10.9	Go	..	54.0	+13 38	11.5	Fo
33	3817	51.6	+13 44	10.8	A2	..	52.4	+13 22	10.9	Ao	3794	53.2	+17 48	10.4	A7	3835	54.0	+13 27	11.4	M
34	3818	51.6	+13 24	10.6	Ao	3730	52.4	+12 10	11.4	Ao	3793	53.2	+17 42	11.2	K2	..	54.0	+13 12	11.6	Ko
35	3726	51.6	+12 49	11.2	A3	..	52.4	+11 56	12.0	A	..	53.2	+16 12	11.3	A5	3742	54.0	+12 33	9.8	G5
36	..	51.6	+12 44	11.5	A	..	52.5	+14 56	11.9	M	..	53.2	+14 5	11.4	A	..	54.0	+12 12	11.4	Go
37	3727	51.6	+12 13	10.4	A2	3717	52.5	+14 36	10.6	Fo	..	53.2	+12 24	11.8	G5	..	54.0	+12 8	11.6	K5
38	3673	51.6	+11 38	10.3	Ko	..	52.5	+13 38	11.0	A2	3795	53.3	+17 58	9.2	Ko	..	54.0	+12 6	11.4	G5
39	3877	51.7	+18 42	11.0	K2	..	52.5	+11 39	11.4	Ao	..	53.3	+15 11	11.5	G	3800	54.1	+17 46	10.8	Ko
40	..	51.7	+13 21	11.6	A	3676	52.5	+11 29	10.8	F2	3634	53.3	+15 7	10.9	Ko	..	54.1	+14 35	11.0	A2
41	3674	51.7	+11 39	9.8	B9	3676	52.6	+16 49	11.0	Ko	3735	53.3	+12 45	10.8	Ko	3896	54.2	+18 51	9.5	B9
42	3737	51.7	+10 11	10.4	Go	3825	52.6	+13 51	10.6	Go	3734	53.3	+12 10	10.5	Go	..	54.2	+13 9	11.4	A3
43	3879	51.8	+18 41	10.5	A2	3824	52.6	+13 36	11.4	K8	..	53.3	+11 5	11.4	A2	3748	54.2	+10 31	10.6	Go
44	3880	51.8	+18 30	10.6	Ao	3677	52.6	+11 52	11.8	Ko	3745	53.3	+10 17	11.5	K5	3856	54.3	+19 28	9.8	F5
45	3878	51.8	+18 19	10.7	Go	3629	52.7	+15 21	10.5	Fo	3891	53.4	+18 29	10.0	A3	3855	54.3	+19 21	11.2	K5
46	3780	51.8	+17 49	9.7	Go	..	52.7	+14 6	11.1	Go	3797	53.4	+17 50	9.6	Ao	3687	54.3	+16 59	11.3	G5
47	3782	51.8	+17 27	10.4	F2	..	52.7	+13 47	11.1	Ao	3798	53.4	+17 42	10.2	Fo	3857	54.4	+19 23	9.1	A
48	3781	51.8	+17 4	11.1	Go	..	52.7	+13 46	11.1	K5	..	53.4	+16 35	11.0	G5	3897	54.4	+18 30	10.4	Go
49	3728	51.8	+12 6	10.5	A8	3731	52.7	+12 41	11.6	Ko	3831	53.4	+13 31	10.8	A4	..	54.4	+14 16	11.4	A
50	..	51.8	+10 3	10.8	A2	..	52.7	+12 22	11.4	B9	..	53.4	+12 26	11.4	A4	3749	54.4	+10 49	10.0	F8

$+10°.2$ to $+19°.5$

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1936AnHar.100....1C

230300 — $18^h54^m.5$ to $18^h58^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	*3744*	54.5	+13 0	11.2	A3	..	55.5	+12 49	11.7	G5	3692	56.2	+11 30	11.0	Ao	3916	57.0	+18 15	11.8	K8
2	3745	54.5	+12 46	11.0	B9	..	55.5	+12 26	11.9	Go	..	56.2	+11 10	12.0	A	3917	57.0	+18 9	11.9	Ao
3	3803	54.6	+17 31	10.2	G5	3810	55.6	+17 53	9.9	A2	3747	56.3	+14 58	11.6	M2	3749	57.0	+14 54	11.2	Ao
4	3802	54.6	+17 6	10.6	Fo	3809	55.6	+17 37	10.9	Ko	..	56.3	+14 40	11.4	A	..	57.0	+14 16	10.8	B9
5	3843	54.6	+13 42	10.6	F5	3811	55.6	+17 31	10.4	G5	3762	56.3	+12 37	11.6	K2	3759	57.0	+10 7	11.7	K2
6	..	54.6	+13 5	11.1	A2	..	55.6	+16 25	11.4	A3	3763	56.3	+12 9	10.0	Ao	3918	57.1	+18 8	10.1	Go
7	3861	54.7	+19 30	10.0	Ko	3751	55.6	+12 54	9.2	A2	3694	56.3	+11 47	10.3	Ko	3822	57.1	+17 59	11.3	Ao
8	*3901*	54.7	+19 2	10.7	Mo	3690	55.6	+11 39	11.0	A5	*3912*	56.4	+19 2	12.0	K5	3823	57.1	+17 29	9.8	A3
9	*3805*	54.7	+18 1	9.5	F8	3907	55.7	+18 35	9.6	A2	3911	56.4	+18 57	10.6	Go	..	57.1	+16 22	10.8	Ko
10	3804	54.7	+17 41	10.3	A2	3812	55.7	+17 12	10.9	F8	3748	56.4	+14 9	11.3	Go	3660	57.1	+15 47	11.4	K2
11	..	54.7	+16 9	11.6	K	3854	55.7	+13 44	10.8	B9	*3695*	56.4	+12 1	11.7	K	3919	57.2	+18 28	12.0	K7
12	3689	54.8	+16 50	10.8	F5	3855	55.7	+13 5	10.8	B8	3913	56.5	+18 31	9.3	B8	..	57.2	+17 37	11.9	A2
13	..	54.8	+16 28	11.2	A2	..	55.7	+12 7	11.0	Ao	..	56.5	+18 16	10.3	B9	3824	57.2	+17 20	11.4	K3
14	..	54.8	+15 16	11.6	A	..	55.8	+18 8	12.1	K8	3818	56.5	+17 5	9.8	F5	..	57.2	+13 58	11.5	A
15	..	54.8	+14 10	10.7	Ao	3813	55.8	+17 22	10.6	G5	..	56.5	+16 42	11.3	A3	3865	57.2	+13 7	11.2	G5
16	3848	54.8	+13 41	10.6	F2	3814	55.8	+17 15	11.9	K5	3654	56.5	+15 54	10.2	Go	..	57.2	+11 58	11.6	A3
17	*3683*	54.8	+12 0	11.2	Ao	3694	55.8	+16 19	10.7	F8	3655	56.5	+15 54	10.2	F8	..	57.3	+12 38	11.6	A4
18	*3751*	54.8	+11 0	11.0	Ao	3856	55.8	+13 23	11.2	F8	3859	56.5	+13 55	10.8	Go	3705	57.3	+11 53	11.3	G5
19	3902	54.9	+18 33	8.8	F5	3815	55.9	+17 56	10.6	Ao	*3764*	56.5	+13 4	10.8	Ao	3760	57.3	+10 25	9.8	Ko
20	..	54.9	+13 41	11.8	A	3742	55.9	+14 38	10.5	A5	..	56.5	+11 25	12.0	M	3827	57.4	+17 39	11.6	Go
21	..	54.9	+13 0	11.4	A2	3857	55.9	+13 51	10.7	Go	3875	56.6	+19 13	10.3	A3	..	57.4	+17 37	12.0	A
22	3747	54.9	+12 46	10.8	A4	..	55.9	+13 30	11.8	M	..	56.6	+17 29	12.1	K	3826	57.4	+17 11	11.0	F5
23	..	54.9	+11 56	11.2	A7	3753	55.9	+12 59	10.4	B5	3819	56.6	+17 21	12.1	M	..	57.4	+15 56	10.8	Go
24	3685	54.9	+11 40	10.3	B9	3757	55.9	+10 57	11.0	Ko	..	56.6	+16 26	11.6	A8	3772	57.4	+12 39	10.7	Fo
25	3752	54.9	+10 58	9.8	K2	3870	56.0	+19 23	9.0	A2	3861	56.6	+13 19	10.5	F5	3771	57.4	+12 18	11.0	Ko
26	3806	55.0	+17 50	11.8	Ko	3817	56.0	+17 53	9.4	Ao	3860	56.6	+13 16	11.0	A2	3883	57.5	+19 22	10.3	K2
27	3645	55.0	+15 32	11.2	M	3816	56.0	+17 26	11.9	K2	3766	56.6	+12 55	10.8	Fo	..	57.5	+16 14	11.4	A2
28	..	55.0	+14 59	11.4	G	..	56.0	+15 33	10.8	Ao	3765	56.6	+12 52	9.6	B8	3869	57.5	+13 22	10.8	B9
29	..	55.0	+14 52	10.9	M	3652	56.0	+15 21	11.6	M	3878	56.7	+19 22	9.6	B8	3773	57.5	+12 18	11.6	K2
30	..	55.0	+14 6	10.4	Fo	..	56.0	+13 40	11.4	Ao	3876	56.7	+19 6	10.2	F2	3765	57.5	+10 58	10.9	F5
31	..	55.0	+12 16	11.8	K2	..	56.0	+13 31	10.8	A3	3820	56.7	+17 35	12.1	K5	3763	57.5	+10 27	11.2	Mo
32	3688	55.0	+11 55	9.8	Ko	3757	56.0	+12 58	10.6	Fo	3701	56.7	+16 38	10.8	Go	3921	57.6	+18 18	11.8	Go
33	3686	55.0	+11 50	11.1	K	3755	56.0	+12 45	9.6	Ao	..	56.7	+14 15	11.6	A	..	57.6	+17 52	11.7	F
34	3687	55.0	+11 16	9.6	B5	3756	56.0	+12 30	9.8	Fo	3698	56.7	+11 41	11.1	Mo	..	57.6	+16 51	11.3	K5
35	..	55.1	+16 30	11.0	A3	3691	56.0	+11 37	10.0	Ko	3697	56.7	+11 28	9.2	Fo	3707	57.6	+16 36	10.6	F5
36	..	55.1	+13 18	11.2	Ao	..	56.1	+19 27	11.0	F5	*3913a*	56.8	+19 2	11.4	G5	..	57.6	+16 31	11.1	A3
37	3863	55.2	+19 32	9.2	K2	..	56.1	+19 18	12.0	K5	*3913b*	56.8	+19 1	11.5	Go	..	57.6	+11 19	11.6	A
38	3905	55.2	+18 46	9.0	B8	3908	56.1	+18 43	11.3	A3	..	56.8	+17 27	10.8	F8	..	57.6	+11 7	11.5	A
39	3754	55.2	+10 15	9.6	F8	..	56.1	+16 48	11.4	Go	3702	56.8	+16 33	11.6	K	3766	57.6	+10 27	10.3	B9
40	3864	55.3	+19 28	9.2	F2	..	56.1	+16 47	11.2	K	3862	56.8	+13 30	10.3	F2	3752	57.7	+14 20	10.4	A2
41	3807	55.3	+17 35	11.2	Ko	..	56.1	+15 43	11.8	K5	..	56.8	+13 8	11.0	Ao	..	57.8	+18 21	12.2	K5
42	..	55.3	+14 16	11.4	A3	3758	56.1	+12 10	10.4	A7	3768	56.8	+12 54	10.0	Mo	*3666*	57.9	+16 2	11.1	G
43	3906	55.4	+18 8	10.6	Go	..	56.1	+11 50	11.9	A	3700	56.8	+11 39	10.4	Ao		57.9	+16 2	11.0	Go
44	..	55.4	+17 22	11.2	Go	..	56.2	+19 16	10.6	Ao	3701	56.8	+11 32	10.1	F5	..	57.9	+15 22	10.7	Fo
45	3649	55.4	+15 48	11.0	A	3697	56.2	+16 15	10.6	A3	3914	56.9	+18 58	10.5	B8	3873	57.9	+13 25	10.6	B8
46	..	55.4	+15 32	10.8	A5	..	56.2	+15 41	11.0	A2	3915	56.9	+18 23	9.7	Ko	..	57.9	+12 43	11.2	Ao
47	3738	55.4	+14 9	10.6	A2	..	56.2	+13 13	11.5	Ao	3821	56.9	+17 16	9.8	F8	3708	57.9	+11 37	10.0	A7
48	..	55.4	+10 20	11.2	A	3761	56.2	+12 47	11.4	A	..	56.9	+14 11	11.0	Ao	..	57.9	+11 27	11.2	Ao
49	..	55.5	+14 21	11.2	A3	3760	56.2	+12 11	10.0	A2	..	56.9	+12 40	11.4	Fo	3923	58.0	+18 55	10.6	Mo
50	..	55.5	+13 14	11.2	A2	3693	56.2	+11 46	11.4	K5	..	56.9	+11 1	11.2	Ao	3828	58.0	+17 52	11.4	K5

$+10°.2$ to $+19°.5$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	58.0	+16 45	11.0	F8	3884	58.9	+13 36	11.7	K5	3718	59.9	+11 14	11.2	Go	3777	1.1	+14 15	11.0	Go
2	..	58.0	+16 43	11.4	Go	..	58.9	+12 4	11.3	A	3777	59.9	+10 47	11.1	Ao	*3731*	1.1	+12 0	11.0	Fo
3	..	58.0	+15 21	10.8	Go	3932	59.0	+18 14	10.7	K5	3896	0.0	+19 18	12.1	K5	3725	1.2	+16 38	11.2	Go
4	..	58.0	+15 2	11.0	A4	3933	59.0	+18 14	10.4	Go	3940	0.0	+18 37	9.8	Ko	*3803*	1.2	+13 4	10.9	F8
5	3775	58.0	+12 43	11.2	K5	3712	59.0	+11 25	11.3	F8	3844	0.0	+17 43	10.2	Go	3945	1.3	+18 10	10.2	Ao
6	3767	58.0	+10 26	10.4	Ao	3771	59.0	+10 54	10.6	Go	..	0.0	+16 18	11.3	A	*3727*	1.3	+17 2	11.4	G
7	3924	58.1	+18 25	10.2	Ko	3890	59.1	+19 20	11.8	K8	*3778*	0.0	+11 1	12.0	K2	3726	1.3	+16 56	10.8	G5
8	..	58.1	+17 35	11.0	B9	..	59.1	+18 2	12.1	A	3897	0.1	+19 17	10.5	F8	..	1.3	+15 30	11.3	G
9	..	58.1	+14 54	11.4	A	3837	59.1	+17 51	11.1	Ko	3680	0.1	+15 9	11.2	A	3946	1.4	+18 56	9.3	B8
10	..	58.1	+11 31	11.5	F5	3672	59.1	+15 37	11.7	K	3792	0.1	+12 48	10.9	F8	..	1.4	+17 22	11.4	A
11	3829	58.2	+17 51	10.8	F2	3782	59.1	+12 54	11.2	A5	3721	0.1	+11 26	10.0	F2	3688	1.4	+15 31	11.2	Ko
12	3756	58.2	+14 31	10.4	F5	..	59.1	+12 23	11.6	K	3846	0.2	+17 27	10.6	F8	3949	1.5	+18 57	9.4	Ao
13	..	58.2	+14 3	11.4	A	..	59.2	+18 29	11.2	B9	3942	0.3	+18 26	11.1	M2	3948	1.5	+18 28	10.8	Ao
14	3876	58.2	+13 11	11.2	G	*3840*	59.2	+18 1	11.6	Ko	..	0.3	+17 41	10.8	A5	3689	1.5	+15 11	10.6	A
15		58.2	+13 11	11.6	K5	3839	59.2	+17 32	11.0	A2	3847	0.3	+17 4	11.2	A	..	1.5	+14 43	11.1	A7
16	3776	58.2	+12 36	11.0	G	3764	59.2	+14 31	11.5	M	..	0.3	+14 15	11.6	A	..	1.5	+14 22	12.0	K5
17	..	58.2	+12 18	11.4	A	3888	59.2	+13 33	11.4	Ao	3894	0.3	+13 50	10.6	Ao	3804	1.5	+12 32	11.2	G5
18	..	58.3	+18 32	11.0	A2	3783	59.2	+12 25	10.8	Ao	3900	0.4	+19 15	11.6	Ko	3906	1.6	+19 25	11.0	Go
19	3925	58.3	+18 14	9.8	K2	..	59.2	+11 12	11.5	A	..	0.4	+19 8	10.0	B8	3951	1.6	+18 57	9.9	Ao
20	..	58.3	+16 32	11.5	K5	3785	59.3	+12 51	11.1	G5	3794	0.4	+12 53	11.4	G	3950	1.6	+18 36	11.0	A
21	..	58.3	+15 14	10.8	Go	..	59.3	+12 28	11.7	A	3723	0.4	+11 45	10.4	A3	3852	1.6	+17 32	10.2	F5
22	3777	58.3	+12 47	9.7	A3	..	59.3	+12 25	11.6	A	3781	0.4	+10 34	11.6	K5	3733	1.6	+11 55	9.4	B9
23	3927	58.4	+18 58	10.3	Fo	..	59.3	+12 4	10.8	Ao	3773	0.5	+14 39	10.7	A3	3853	1.7	+17 39	10.8	A7
24	3928	58.4	+18 52	9.3	Fo	3934	59.4	+18 14	11.3	Ao	3895	0.5	+13 27	10.8	B8	3734	1.7	+11 28	10.4	F8
25	3929	58.4	+18 39	10.8	Ko	3935	59.4	+18 8	9.8	A2	..	0.6	+18 39	11.6	A	3854	1.8	+17 52	10.3	Fo
26	*3830*	58.4	+18 1	10.9	Ao	3841	59.4	+17 16	11.2	Ao	..	0.6	+17 12	11.2	A	3806	1.8	+12 27	11.0	G
27	3831	58.4	+17 14	9.8	Go	..	59.4	+16 20	10.7	Ao	3896	0.6	+13 25	11.0	Ao	3952	1.9	+18 52	9.8	Fo
28	..	58.4	+16 17	11.2	A	3674	59.4	+15 52	11.1	K5	3795	0.6	+12 35	11.0	A	..	1.9	+16 31	11.2	Go
29	..	58.4	+13 55	11.5	F	3774	59.4	+10 58	9.2	B5	3796	0.6	+12 28	10.3	G5	3730	1.9	+16 6	11.0	Ao
30	3778	58.4	+12 42	9.8	Fo	3936	59.5	+18 12	11.1	A2	3724	0.6	+11 38	11.0	Go	3904	1.9	+13 37	10.6	F5
31	..	58.4	+12 2	11.0	Fo	3770	59.5	+14 58	10.8	Fo	..	0.6	+11 28	10.6	Ao	3735	1.9	+11 24	11.1	K5
32	3886	58.5	+19 36	9.2	K5	..	59.5	+13 24	11.6	A	..	0.7	+16 30	11.0	G	..	2.0	+17 29	11.6	A
33	..	58.5	+12 44	11.6	A	*3715*	59.5	+12 4	10.6	A2	3775	0.7	+14 55	11.0	A2	..	2.0	+16 57	11.1	Ao
34	3709	58.5	+11 59	11.5	G	3714	59.5	+11 29	11.8	K5	3774	0.7	+14 52	11.4	Ao	3732	2.0	+16 36	11.4	K5
35	..	58.6	+18 22	11.1	Ao	3716	59.5	+11 20	10.0	G5	3897	0.7	+13 24	10.4	F5	3691	2.0	+15 6	10.8	B8
36	3930	58.6	+18 9	11.1	Go	3891	59.6	+19 23	10.8	Ao	3798	0.7	+12 30	11.2	F5	..	2.0	+14 42	10.9	A
37	3832	58.6	+17 58	11.7	K2	3937	59.6	+18 52	9.8	Ao	3800	0.7	+12 26	10.9	K	..	2.0	+14 16	10.8	A5
38	3711	58.6	+16 10	11.2	F5	3717	59.6	+11 12	10.4	Ao	3799	0.7	+12 25	10.9	A	3909	2.1	+19 15	10.2	G5
39	*3759*	58.6	+15 1	11.1	Ko	3893	59.7	+19 25	11.4	Ao	3902	0.8	+19 34	10.8	Ko	3910	2.1	+19 5	10.4	Go
40	..	58.6	+14 12	11.4	A	..	59.7	+15 37	11.2	A3	3849	0.8	+17 25	10.6	Ao	3855	2.1	+17 30	11.2	Ao
41	3880	58.6	+13 32	10.9	Ko	3938	59.8	+18 38	10.2	Go	*3898*	0.8	+14 0	10.9	F8	..	2.1	+17 24	11.2	A
42	3710	58.6	+11 17	10.5	A2	*3843*	59.8	+18 0	12.0	Ko	3726	0.8	+11 26	10.2	Ko	3735	2.1	+16 15	10.6	F8
43	*3931*	58.7	+19 3	11.3	K5	..	59.8	+16 31	10.8	Fo	3903	0.9	+19 9	11.9	K5	3736	2.1	+11 57	11.5	K
44	..	58.7	+11 3	11.8	K	3890	59.8	+13 58	10.4	Go	..	0.9	+16 48	11.2	A	3737	2.1	+11 32	10.6	Go
45	3834	58.8	+17 19	10.3	G5	3939	59.9	+18 12	9.8	Ao	3729	0.9	+11 57	11.0	Go	3856	2.2	+17 54	10.8	G
46	3883	58.8	+13 5	10.8	Go	..	59.9	+15 46	11.2	F8	*3944*	1.0	+19 3	11.2	Ko	..	2.2	+14 6	11.1	G
47	3889	58.9	+19 6	11.0	A3	..	59.9	+15 30	10.8	B9	3687	1.0	+15 59	11.0	A3	3907	2.2	+13 9	10.4	F2
48	3835	58.9	+17 50	11.9	A	..	59.9	+15 19	11.2	A	..	1.0	+15 22	11.4	Ko	3808	2.2	+12 17	11.9	K7
49	3671	58.9	+15 58	10.9	A	3678	59.9	+15 16	11.0	K2	3776	1.0	+14 54	10.7	A2	..	2.3	+18 57	11.5	Go
50	..	58.9	+15 54	11.6	M	..	59.9	+15 14	11.6	A	3850	1.1	+17 55	10.2	A5	..	2.3	+18 47	11.4	A5

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1936AnHar.100....1C

230700 **$19^h\ 2^m.3$ to $19^h\ 8^m.7$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	2.3	+14 11	11.4	A	..	3.7	+12 35	11.4	A	*3828*	5.2	+13 1	11.0	K2	3844	7.1	+12 42	10.8	A5
2	3911	2.4	+19 9	10.1	K2	3921	3.8	+19 8	10.9	Ao	3924	5.3	+19 14	10.0	A7	3880	7.2	+17 56	10.0	Fo
3	3738	2.4	+16 47	10.8	Fo	3702	3.8	+15 18	10.7	F8	..	5.3	+12 50	11.0	A3	3845	7.2	+12 42	10.6	Ko
4	3809	2.4	+12 27	11.0	Go	..	3.8	+13 22	11.6	K2	3829	5.3	+12 38	10.4	A5	*3765*	7.2	+12 2	11.3	Fo
5	3954	2.5	+18 29	10.5	B3	3754	3.9	+16 17	11.0	F8	3970	5.4	+18 14	11.2	A5	3939	7.3	+19 15	9.6	Ao
6	3911	2.5	+13 44	11.0	G5	3796	3.9	+14 15	10.8	F5	3812	5.4	+14 8	10.7	B8	3821	7.3	+14 8	11.2	G5
7	3910	2.5	+13 5	11.4	G	3747	3.9	+11 55	11.3	Go	*3831*	5.4	+13 1	11.0	K2	3846	7.3	+12 54	11.0	F5
8	3740	2.5	+11 53	10.0	Go	3922	4.0	+19 31	11.8	G5	3833	5.4	+12 22	11.0	Ko	3883	7.4	+17 58	9.9	Ko
9	*3859*	2.6	+18 0	12.2	M	3965	4.0	+18 10	10.2	F8	3873	5.5	+17 29	10.7	F8	..	7.4	+17 46	10.7	G5
10	3810	2.6	+12 23	11.6	K5	3756	4.0	+16 27	10.9	A	3874	5.5	+17 17	11.0	Go	3767	7.4	+11 31	11.0	G5
11	3860	2.7	+17 44	10.9	K5	3798	4.0	+14 58	10.8	F2	..	5.5	+17 17	11.6	A	..	7.5	+17 26	11.2	Go
12	3742	2.7	+11 34	10.4	A	..	4.0	+11 43	11.6	A5	..	5.5	+14 1	11.6	Ao	..	7.5	+15 50	11.4	Go
13	3861	2.8	+17 18	11.6	Go	3748	4.1	+11 47	11.5	K	3971	5.6	+18 16	11.0	Go	3768	7.5	+11 54	10.9	K5
14	3743	2.8	+16 58	10.9	K5	3925	4.3	+19 22	10.4	F5	*3875*	5.6	+18 0	10.8	A2	3884	7.6	+17 57	11.1	A5
15	..	2.8	+15 51	11.2	Go	..	4.3	+14 35	10.4	Fo	..	5.6	+11 55	11.8	K2	..	7.6	+17 56	11.0	F5
16	3787	2.9	+14 13	11.6	Mo	3918	4.3	+13 9	10.8	F2	3876	5.7	+17 40	10.4	Go	3723	7.6	+15 46	11.0	A3
17	3812	2.9	+12 41	11.1	Ko	3799	4.3	+10 57	10.6	F8	3813	5.7	+14 10	11.7	Mo	3944	7.6	+13 52	10.8	Go
18	3863	3.0	+17 25	11.9	Ko	3870	4.5	+17 40	10.6	F	..	5.7	+11 28	11.3	G	..	7.6	+13 45	11.3	Ao
19	3862	3.0	+17 5	11.0	F5	..	4.5	+12 50	11.4	A	3877	5.8	+17 37	10.6	F5	3847	7.6	+12 55	11.0	Fo
20	..	3.0	+16 9	10.8	Go	3822	4.5	+12 45	10.2	G5	..	5.8	+11 23	11.4	A7	3769	7.6	+11 45	11.3	K5
21	3957	3.1	+18 51	11.0	A7	..	4.5	+12 37	11.1	A5	3878	5.9	+17 5	11.2	F5	3771	7.7	+16 19	10.7	F2
22	3864	3.1	+17 51	10.9	Ao	3750	4.5	+11 25	10.7	K2	3835	5.9	+12 26	11.4	A2	3945	7.7	+13 19	11.1	F8
23	..	3.1	+17 30	11.8	A	3759	4.6	+16 11	10.7	Go	3973	6.0	+18 36	10.6	F2	3773	7.8	+16 18	11.0	Fo
24	..	3.1	+17 20	11.9	Ao	3705	4.6	+15 8	11.3	K2	3879	6.0	+17 34	9.8	Fo	3823	7.8	+14 21	11.7	K7
25	..	3.1	+17 9	10.9	Ao	..	4.6	+13 16	11.0	Fo	..	6.1	+17 18	11.2	A3	3947	7.8	+13 8	11.2	A2
26	..	3.1	+15 52	11.4	A5	3871	4.7	+17 17	10.8	F5	3927	6.1	+13 39	10.9	A7	3770	7.8	+11 46	11.0	G5
27	..	3.1	+15 43	10.6	A5	..	4.7	+17 8	11.2	Ko	*3836*	6.1	+13 3	10.9	Ko	..	7.8	+11 43	11.1	Go
28	*3959*	3.2	+19 1	9.6	Ao	..	4.7	+17 6	10.9	A5	..	6.1	+12 22	11.4	G5	*3826*	7.9	+11 0	10.6	Fo
29	3961	3.2	+18 15	11.0	Ao	3706	4.7	+15 38	11.0	G5	3767	6.2	+16 29	11.0	F8	3942	8.0	+19 18	10.4	F5
30	3749	3.2	+16 39	11.2	A2	3803	4.7	+14 58	10.8	B	..	6.2	+13 48	11.1	F8	3941	8.0	+19 17	10.4	A3
31	..	3.2	+16 32	10.8	Ao	3823	4.7	+12 45	11.0	K5	3975	6.3	+18 42	11.2	K5	..	8.1	+13 14	10.8	A
32	3748	3.2	+16 15	10.8	F5	..	4.7	+12 32	11.6	F	..	6.3	+16 10	11.0	G5	3852	8.1	+12 49	11.6	K7
33	..	3.3	+17 24	12.0	A	3872	4.8	+17 9	11.0	Go	3928	6.3	+13 41	11.0	A5	*3772*	8.1	+12 2	10.6	Go
34	3865	3.3	+17 23	11.8	Go	3760	4.8	+16 37	11.0	Go	3837	6.3	+12 7	11.1	Ao	3827	8.2	+14 46	10.8	Go
35	..	3.3	+14 38	11.4	F5	..	4.8	+15 30	11.6	A	..	6.4	+16 38	11.2	F2	3983	8.3	+18 37	10.8	Ko
36	3816	3.3	+12 56	11.0	F5	3707	4.8	+15 4	10.8	A	3717	6.4	+15 15	10.8	G5	..	8.3	+13 44	11.4	A
37	3817	3.3	+12 49	11.4	Ko	*3806*	4.8	+15 2	10.4	Fo	3815	6.4	+14 18	10.8	F5	3888	8.4	+17 6	11.2	K2
38	..	3.4	+18 5	11.2	Ao	*3804*	4.8	+15 1	10.9	Ao	..	6.4	+14 9	11.2	A5	3729	8.4	+15 16	9.5	F5
39	3963	3.5	+18 14	10.6	B8	..	4.8	+13 33	11.0	A	..	6.4	+13 10	11.8	A7	3889	8.5	+17 25	9.8	B8
40	3866	3.5	+17 37	10.3	B9	..	4.8	+12 55	11.6	G	..	6.4	+12 53	11.3	A2	3779	8.5	+16 57	10.8	Ao
41	..	3.5	+16 22	11.2	Ao	3969	4.9	+18 56	11.2	Ao	*3976*	6.5	+19 4	10.4	A5	3780	8.5	+16 19	10.5	F2
42	..	3.5	+16 18	11.2	K5	..	4.9	+15 28	11.2	Fo	3718	6.5	+15 10	10.6	F5	3828	8.5	+14 43	10.6	Ko
43	..	3.5	+15 12	11.2	Ko	3753	4.9	+11 54	11.4	A	3839	6.6	+12 12	11.2	K5	3853	8.5	+12 30	11.2	Ko
44	3792	3.5	+14 46	11.5	K7	3709	5.0	+15 33	11.2	A	3977	6.7	+18 51	9.8	G5	3854	8.5	+12 24	11.4	K7
45	3964	3.6	+18 17	10.7	K2	3825	5.0	+12 11	11.2	K5	3930	6.7	+13 55	10.7	F5	3856	8.6	+12 59	10.2	Go
46	3700	3.6	+15 13	11.0	A	..	5.1	+17 22	10.8	Ao	3842	6.8	+12 38	11.2	K2	3855	8.6	+12 42	11.2	Ko
47	*3794*	3.6	+15 2	11.0	G5	3808	5.1	+14 36	10.6	Go	3841	6.8	+12 12	11.0	K2	3944	8.7	+19 17	10.0	A2
48	3746	3.6	+11 52	10.3	F2	..	5.1	+13 32	10.9	A2	3935	7.0	+13 48	10.8	A7	3987	8.7	+18 27	11.2	K5
49	3753	3.7	+16 50	10.9	Ko	3827	5.1	+12 56	10.6	A3	3932	7.0	+13 44	11.4	K2	3986	8.7	+18 20	10.7	K2
50	..	3.7	+14 41	11.6	A	3924	5.2	+13 9	11.4	K5	..	7.1	+17 36	11.0	G5	*3891*	8.7	+18 0	10.2	Ao

$+10°.2$ to $+19°.5$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3782	8.7	+16 49	10.7	Go	..	9.7	+16 26	11.2	Ao	..	10.9	+16 40	11.2	F	3866	12.3	+12 41	11.2	F5
2	3781	8.7	+16 27	10.2	F5	3837	9.7	+14 13	9.7	Ao	3962	10.9	+13 57	10.4	B9	3865	12.3	+12 30	11.7	G5
3	3731	8.7	+15 20	9.8	B8	3951	9.8	+19 28	10.5	Go	3961	10.9	+13 42	11.1	G5	3913	12.4	+17 15	10.8	F8
4	3892	8.8	+17 29	9.9	A2	3997	9.8	+18 28	11.2	Ko	3781	10.9	+11 47	11.3	F5	3801	12.4	+16 5	10.2	A2
5	3732	8.8	+15 10	10.3	Go	3895	9.8	+17 20	10.2	F5	4009	11.0	+18 51	9.4	B5	..	12.4	+13 47	10.8	F8
6	3950	8.8	+13 35	11.5	K5	3788	9.8	+16 28	10.5	Go	3904	11.0	+17 11	11.2	K5	3803	12.5	+16 36	10.3	Ao
7	3946	8.9	+19 23	9.7	A5	..	9.8	+15 49	11.0	F8	*3794*	11.0	+17 3	10.0	B8	3802	12.5	+16 23	10.8	F8
8	3988	8.9	+18 25	10.5	F8	3999	9.9	+18 42	10.1	A5	3964	11.0	+13 56	10.6	A2	..	12.5	+15 50	11.4	F2
9	3893	8.9	+17 10	10.0	B8	..	9.9	+17 7	11.0	Ao	3905	11.1	+17 28	11.1	K2	..	12.5	+15 21	11.2	A5
10	3783	8.9	+16 43	10.5	A5	*3840*	9.9	+15 2	10.8	Fo	3860	11.1	+12 50	10.8	A2	3868	12.5	+12 6	11.4	F8
11	3735	8.9	+15 4	10.1	Ao	3841	9.9	+14 45	9.8	Fo	3859	11.1	+12 14	11.4	Go	3756	12.6	+15 55	11.2	F5
12	3832	8.9	+14 56	10.6	Fo	3838	9.9	+14 21	10.6	Ao	3906	11.2	+17 31	10.6	Ko	..	12.6	+14 44	11.3	A
13	3951	8.9	+13 33	10.6	A5	3839	9.9	+14 16	10.0	Fo	3795	11.2	+16 47	11.4	F2	3804	12.7	+16 14	10.7	Go
14	..	8.9	+13 18	11.4	Go	3953	10.0	+19 12	10.6	F5	*3849*	11.2	+15 2	9.0	G5	3857	12.7	+14 21	11.2	Go
15	..	8.9	+12 27	11.2	A5	3896	10.0	+17 32	11.0	K7	3796	11.3	+16 12	10.4	Go	4017	12.8	+18 43	10.0	A3
16	3776	8.9	+11 58	10.8	Ao	3789	10.0	+16 26	11.0	A5	3965	11.3	+13 19	10.2	A3	4016	12.8	+18 26	11.3	K5
17	3947	9.1	+19 6	10.7	Go	..	10.1	+15 33	11.2	Go	3908	11.4	+17 29	10.8	F8	4018	12.8	+18 11	10.5	Ao
18	3989	9.1	+18 48	11.0	F8	3740	10.1	+15 10	10.6	A7	..	11.4	+12 50	11.2	Ao	3805	12.8	+16 6	9.9	Ao
19	*3736*	9.1	+16 4	11.0	Go	*3842*	10.2	+15 4	10.8	Go	3783	11.4	+11 43	12.0	K5	..	12.8	+15 32	11.5	A3
20	*3953*	9.1	+14 0	11.3	Ao	..	10.2	+14 41	11.3	G5	3964	11.5	+19 16	10.7	Go	*3974*	12.8	+14 2	10.6	G5
21	3952	9.1	+13 50	10.8	Ao	..	10.2	+14 6	11.3	A3	..	11.5	+14 35	11.7	G5	3972	12.8	+13 36	11.6	Go
22	3990	9.2	+18 20	10.6	A5	3858	10.2	+12 18	11.5	K5	..	11.5	+14 19	11.2	Ao	..	12.9	+14 43	11.0	F8
23	3785	9.2	+16 22	10.6	A2	3898	10.3	+17 13	11.6	K7	3909	11.6	+17 53	11.5	K5	..	13.0	+17 46	11.1	Fo
24	..	9.2	+16 12	10.9	A3	3790	10.3	+16 6	10.9	K7	..	11.6	+17 7	11.3	Ao	3975	13.0	+13 59	11.6	Mo
25	3834	9.2	+14 39	10.3	A3	3741	10.3	+15 31	11.1	Go	..	11.6	+15 43	11.4	A	..	13.1	+19 27	11.0	A
26	..	9.2	+14 23	11.0	Fo	3843	10.3	+14 44	9.3	Ko	3967	11.6	+13 43	10,5	Go	4019	13.1	+18 53	10.8	A5
27	3954	9.2	+13 26	10.8	Fo	..	10.3	+14 17	11.1	Go	3785	11.6	+11 25	10.6	A5	3858	13.1	+14 7	10.4	Fo
28	..	9.2	+12 3	11.4	A2	3792	10.4	+16 14	10.0	K2	3748	11.7	+15 23	10.3	Ko	3970	13.2	+19 13	10.1	Go
29	..	9.2	+11 32	11.0	Ao	..	10.4	+15 10	11.0	G5	3749	11.7	+15 8	10.3	A3	3915	13.2	+17 30	10.0	Ao
30	3950	9.3	+19 28	10.2	A5	4002	10.5	+18 18	10.0	Ko	..	11.9	+15 53	11.4	G	3806	13.2	+16 27	10.0	Fo
31	..	9.3	+16 55	11.4	G	3899	10.5	+17 53	10.9	A3	3853	11.9	+14 13	10.2	A2	3860	13.2	+14 53	10.7	A7
32	3786	9.3	+16 38	11.4	Mo	3900	10.5	+17 49	10.4	K5	3970	11.9	+13 45	10.6	F5	..	13.2	+14 11	11.8	G
33	..	9.3	+15 58	11.5	A	3742	10.5	+15 43	10.8	Ao	3863	11.9	+12 58	10.0	Ao	3859	13.2	+14 7	9.9	F8
34	..	9.3	+14 42	11.0	Ao	3844	10.5	+14 29	10.2	K5	3966	12.0	+19 15	10.0	Ao	3976	13.2	+13 14	10.6	B8
35	3992	9.4	+18 48	10.1	A5	4003	10.6	+18 46	10.5	Ao	3912	12.0	+17 33	10.8	F8	3791	13.2	+11 7	11.2	A2
36	3991	9.4	+18 24	10.9	Go	4004	10.6	+18 13	10.8	Ao	3911	12.0	+17 22	9.3	A2	..	13.3	+17 14	10.7	A2
37	..	9.4	+14 45	11.3	A5	3793	10.6	+16 47	10.2	B9	..	12.0	+15 32	10.7	F8	4021	13.4	+18 13	10.8	F2
38	3777	9.4	+11 38	11.6	F8	4005	10 7	+18 16	11.3	A	3750	12.0	+15 28	10.0	B8	4022	13.4	+18 13	10.8	Go
39	3787	9.5	+16 39	10.4	F2	*3902*	10.7	+18 0	10.7	Ao	3752	12.0	+15 10	8.9	F5	3917	13.4	+17 38	10.0	Fo
40	3737	9.5	+15 17	10.2	A3	3901	10.7	+17 32	10.0	Fo	..	12.0	+14 58	11.0	A5	3916	13.4	+17 15	10.1	B5
41	3835	9.5	+14 12	10.2	A7	3744	10.7	+15 13	11.5	K5	3854	12.0	+14 27	8.7	Ao	3757	13.4	+15 24	10.6	A2
42	3836	9.5	+14 6	10.7	Ao	3959	10.7	+13 40	11.2	A7	..	12.0	+12 9	11.2	Ao	3861	13.4	+14 8	10.6	G5
43	3957	9.5	+13 47	10.8	Go	3960	10.7	+13 4	9.6	F2	3798	12.1	+16 30	9.9	Go	3918	13.5	+17 17	10.7	A3
44	3956	9.5	+13 23	9.9	A2	4007	10.8	+18 25	10.6	B9	..	12.1	+13 46	10.7	Ao	..	13.5	+11 36	11.2	G5
45	..	9.5	+12 23	11.6	A	3745	10.8	+15 45	11.2	Mo	..	12.2	+15 48	11.4	F5	3919	13.7	+17 9	10.4	Fo
46	3994	9.6	+18 7	10.7	Fo	..	10.8	+15 12	10.9	F8	3753	12.2	+15 21	10.8	A	..	13.7	+14 14	11.5	G
47	..	9.6	+14 7	11.0	A	3746	10.8	+15 7	10.9	K2	*3800*	12.3	+17 5	10.4	Go	..	13.8	+18 55	11.5	G5
48	*3857*	9.6	+13 0	11.0	A5	..	10.8	+15 6	11.5	A	*3799*	12.3	+17 3	10.6	G5	4025	13.8	+18 16	10.9	F2
49	3995	9.7	+18 34	12.0	M2	3958	10.9	+19 26	10.2	G5	3856	12.3	+14 51	11.0	A2	..	13.8	+17 58	11.2	F
50	3894	9.7	+17 50	10.8	F5	4008	10.9	+18 45	10.6	Go	3864	12.3	+12 53	10.8	A5	..	13.8	+17 27	11.0	Go

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3759	13.8	+15 51	11.8	K2	3866	15.0	+14 54	10.5	B9	3989	16.3	+13 57	9.7	Ko	3830	17.8	+16 31	10.8	A7
2	..	13.8	+14 5	11.5	G	3867	15.0	+14 48	10.6	Ao	3984	16.4	+19 32	10.6	Ao	3785	17.8	+15 12	11.4	F
3	..	13.9	+18 3	11.3	G5	3928	15.1	+17 56	10.3	Ko	*3933*	16.4	+18 1	10.8	A5	3891	17.8	+14 35	10.4	Go
4	3807	13.9	+16 13	10.7	G5	3773	15.1	+15 38	10.2	A5	..	16.4	+17 44	11.4	A	..	17.8	+12 43	12.2	Ko
5		13.9	+16 13		A3	*3800*	15.1	+12 1	10.3	A5	3882	16.4	+14 25	11.0	A3	3831	17.9	+16 9	9.7	A2
6	3760	13.9	+15 32	10.6	A2	3815	15.2	+16 42	10.7	Go	3934	16.5	+17 59	9.2	Go	3998	17.9	+13 55	10.8	A3
7	3978	13.9	+13 55	10.0	F8	3816	15.2	+16 19	10.8	G5	4042	16.6	+18 20	11.2	Go	..	17.9	+12 35	12.0	F
8	3871	13.9	+12 47	11.0	Go	3870	15.2	+14 24	10.5	Ao	4041	16.6	+18 8	10.6	F5	3832	18.0	+16 38	10.7	B9
9	3920	14.0	+17 33	10.0	B8	4031	15.3	+18 45	9.8	B9	3779	16.6	+15 44	10.7	B8	3786	18.0	+15 8	11.2	K5
10	3808	14.0	+16 36	10.4	F	3982	15.3	+13 53	9.6	G5	3778	16.6	+15 33	10.4	Go	4000	18.0	+13 42	10.0	B8
11	3810	14.0	+16 34	9.8	Go	..	15.4	+18 8	11.3	F	3808	16.6	+11 32	11.1	F8	3999	18.0	+13 31	11.3	Ko
12	..	14.0	+15 46	11.7	A	..	15.4	+17 50	11.5	K5	4044	16.7	+18 30	10.8	Fo	*3893*	18.0	+13 4	11.3	Ko
13	4026	14.1	+18 19	10.7	Ao	..	15.4	+17 29	10.8	A5	3935	16.7	+17 40	10.0	B8	3893	18.1	+14 21	10.1	A2
14	*3921*	14.1	+18 1	10.7	Ao	3817	15.4	+16 40	10.7	F8	3823	16.7	+16 44	10.3	F2	3894	18.2	+14 57	10.0	G5
15	3811	14.1	+16 19	11.0	K2	..	15.4	+15 3	11.2	Go	3822	16.7	+16 19	10.6	F8	4001	18.2	+13 11	9.6	Go
16	3874	14.1	+12 54	10.9	K5	*3983*	15.4	+14 1	10.1	A2	3780	16.7	+15 41	10.0	Fo	..	18.3	+13 22	11.6	G
17	3873	14.1	+12 6	11.7	Go	3977	15.5	+19 16	10.7	G5	3885	16.7	+14 43	10.8	Ao	3787	18.4	+15 52	10.2	B5
18	*4027*	14.2	+19 2	11.3	Ko	4033	15.5	+18 40	10.9	Ao	3936	16.8	+17 47	11.1	G5	3788	18.5	+15 33	10.6	A2
19	3922	14.2	+17 7	10.8	F5	3874	15.5	+14 8	10.4	Ao	3937	16.8	+17 13	10.6	F5	3895	18.5	+14 7	10.3	F5
20	3763	14.2	+15 31	10.6	Fo	3885	15.5	+12 13	11.0	Go	3990	16.8	+13 41	9.5	A3	3895	18.5	+12 47	11.2	Go
21	3924	14.3	+17 25	9.6	A3	4034	15.6	+18 6	10.9	G5	3991	16.8	+13 21	10.8	K5	3818	18.5	+11 47	10.7	G5
22	3923	14.3	+17 17	10.1	Ko	..	15.6	+17 33	11.4	A	3986	16.9	+19 28	11.4	G5	4048	18.6	+18 44	11.1	G5
23	3764	14.3	+15 59	10.8	A	3876	15.6	+14 40	10.4	Fo	3824	16.9	+16 57	11.0	Go	*3945*	18.6	+18 1	11.4	K5
24	3863	14.3	+14 9	11.2	G	3886	15.6	+12 13	11.4	Go	3809	16.9	+11 21	10.8	Go	3944	18.6	+17 8	11.4	A3
25	3974	14.4	+19 27	10.4	G5	3979	15.7	+19 25	11.0	K2	3938	17.0	+17 33	9.8	B9	..	18.6	+15 52	10.8	Fo
26	3925	14.4	+17 54	9.3	A2	..	15.7	+16 6	11.1	Go	..	17.0	+16 45	11.0	A7	4003	18.6	+13 9	9.7	A2
27	..	14.4	+17 44	10.7	F8	..	15.7	+15 34	11.3	Go	3992	17.0	+13 49	11.2	F8	3789	18.7	+15 52	10.6	G5
28	3926	14.4	+17 11	10.9	Fo	3984	15.7	+13 33	10.8	Go	3891	17.0	+12 25	11.0	Go	..	18.7	+15 12	11.0	F8
29	3979	14.4	+13 33	11.2	G5	4035	15.8	+18 10	11.0	F5	3825	17.1	+16 53	10.0	A5	3819	18.7	+11 55	11.3	K5
30	3876	14.4	+12 44	10.0	A2	3775	15.8	+15 15	11.3	K7	3990	17.2	+19 25	10.8	Ao	..	18.7	+11 41	10.3	Ao
31	4028	14.5	+18 7	10.7	F2	3877	15.8	+14 52	10.6	A2	3888	17.2	+14 11	9.6	F2	4051	18.8	+18 18	10.4	A2
32	3927	14.5	+17 14	10.4	Ko	3888	15.8	+12 41	11.0	F5	3993	17.2	+13 11	10.2	Go	3791	18.8	+15 43	10.2	Fo
33	3813	14.5	+16 6	10.1	G5	3887	15.8	+12 38	10.5	Fo	3994	17.2	+13 5	10.6	F2	3792	18.8	+15 26	11.0	A5
34	3766	14.5	+15 54	10.6	Go	*3776*	15.9	+16 3	11.1	A3	3874	17.3	+10 20	11.5	A2	3833	18.9	+16 52	10.6	Ao
35	..	14.5	+15 19	11.1	A7	3889	15.9	+12 55	9.8	A3	3782	17.4	+15 40	10.1	A5p	*3898*	18.9	+15 1	10.1	B
36	..	14.5	+14 29	11.0	Fo	3803	15.9	+11 13	10.7	F8	3781	17.4	+15 38	10.5	A7	3821	18.9	+11 39	10.6	K2
37	3767	14.6	+15 37	10.8	K5	3819	16.0	+16 39	9.6	F8	..	17.4	+14 35	11.2	G5	3834	19.0	+16 5	10.8	Ao
38	3768	14.6	+15 29	9.8	A2	3880	16.0	+14 51	10.7	Fo	3877	17.4	+10 20	11.0	A5	..	19.0	+15 37	10.8	F2
39	..	14.6	+14 19	11.2	A5	3878	16.0	+14 46	11.1	A	4046	17.5	+18 14	11.1	A7	3794	19.0	+15 21	10.5	F5
40	3980	14.6	+13 57	10.1	F8	3879	16.0	+14 14	9.3	A5	3942	17.5	+17 46	10.5	A3	3822	19.0	+11 10	10.6	Ko
41	3797	14.6	+11 11	11.2	F5	4036	16.1	+18 29	10.7	F5	3995	17.5	+13 44	9.4	Fo	3998	19.1	+19 10	10.5	Ko
42	4029	14.7	+18 35	10.3	Ko	4038	16.1	+18 20	10.5	K5	3992	17.6	+19 9	10.6	Ao	3835	19.1	+16 59	9.8	A2
43	..	14.7	+13 27	11.6	Go	3930	16.1	+17 5	9.9	B8	3826	17.6	+16 21	10.6	Ao	*3797*	19.1	+16 4	10.9	G5
44	3798	14.7	+11 55	10.6	Go	3820	16.1	+16 31	11.3	A	3996	17.6	+13 49	11.4	K7	3796	19.1	+15 34	10.3	K2
45	3814	14.8	+16 58	11.4	A	3881	16.1	+14 14	9.2	Gop	3813	17.6	+11 18	10.3	G5	3795	19.1	+15 21	10.4	K5
46	3878	14.8	+12 37	11.0	Go	3982	16.2	+19 28	10.9	K5	3828	17.7	+16 53	11.6	K5	3899	19.1	+14 45	10.6	F8
47	4030	14.9	+18 54	9.8	Go	4039	16.2	+18 49	9.1	Ao	3829	17.7	+16 29	9.5	B9	..	19.1	+13 21	11.6	A3
48	3865	14.9	+14 7	9.6	B9	3821	16.2	+16 6	11.0	G5	3784	17.7	+15 6	11.0	Go	*3823*	19.1	+12 2	11.1	Go
49	3771	15.0	+15 56	10.8	Fo	3932	16.3	+17 5	10.4	A7	3997	17.7	+13 20	10.4	F8	3824	19.1	+11 13	10.7	F8
50	3772	15.0	+15 41	10.4	Go	..	16.3	+15 12	11.0	Go	*3815*	17.7	+12 3	11.0	A2	4054	19.2	+18 50	10.2	Go

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ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100. NO. 3.

THE HENRY DRAPER EXTENSION

BY ANNIE J. CANNON

The following table contains the spectra of five thousand stars. The first eight hundred of these stars continue the classification in the Aquila-Sagitta region of the Milky Way from page 32 of this volume. Remarks concerning individual stars among these eight hundred are to be found in the introduction to No. 2, page 17, of this volume. On line 16 of that introduction, reference to star 232172 is to be omitted.

A part of the recent observing for the Extension of the Henry Draper Catalogue has been given to the spectra of fainter stars between 50° and 60°, North Declination, 1855, which are contained in Volumes IV and V of the Catalogue of the Astronomische Gesellschaft. Observing lists of stars not contained in the Henry Draper Catalogue, whose declinations were between +50° and +54°, and +55° and +59°, inclusive, were compiled from the Cambridge, U. S., and the Helsingfors-Gotha Catalogues, respectively. The results for the stars in the Cambridge Catalogue are given in the last ten pages of the following table, and No. 4 of this volume will contain a similar classification of the stars in the Helsingfors-Gotha Catalogue. The stars H.D. 232352, 232669, 233268, 233533, and 234380, although in Zone +55°, are included in this table because they are not contained in the Helsingfors-Gotha Catalogue. Some stars belonging to zone +49° are also included.

Photographs already taken with the 8-inch Draper and the 10-inch Metcalf telescopes were used for the classification. Owing to faintness or to superposition of adjacent spectra, about 5 per cent of the Gesellschaft stars could not be classified.

The table is published in an abridged form to be used in connection with the Gesellschaft Catalogue. In the successive columns are given the current H. D. number, the number and visual magnitude in the Cambridge, U. S., Gesellschaft Catalogue, and the observed class of spectrum. The position of the star in 1875 and the B. D. number may

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	19.2	+13 55	12.0	K7	3843	20.4	+16 56	9.8	A2	..	21.7	+16 51	11.2	G5	4081	22.7	+18 31	11.1	M3
2	3836	19.3	+16 37	11.0	Go	..	20.4	+14 31	11.3	A3	3848	21.7	+16 23	11.1	G5	..	22.7	+15 51	11.1	Fo
3	3837	19.3	+16 16	11.5	M2	3906	20.4	+14 16	10.8	Go	4015	21.7	+13 15	11.5	F5	3817	22.7	+15 9	10.5	B8
4	*3880*	19.3	+11 1	11.6	A	..	20.5	+16 46	10.8	A2	..	21.7	+13 8	11.6	Go	3919	22.7	+14 38	10.6	A3
5	3902	19.4	+14 56	10.1	F8	4009	20.5	+13 33	11.1	F2	*3906*	21.7	+13 4	11.7	A	3904	22.7	+10 24	11.0	K5
6	4004	19.4	+13 8	11.0	A	..	20.5	+11 56	11.5	A	3894	21.7	+10 57	11.5	K2	3855	22.8	+16 59	9.9	A3
7	..	19.4	+11 7	11.1	A	4063	20.6	+18 27	9.0	Fo	3895	21.7	+10 57	11.6	K2	3856	22.8	+16 25	10.6	Ko
8	3947	19.5	+17 26	10.8	F5	3956	20.6	+17 7	10.8	Ko	..	21.8	+14 32	10.9	A7	3818	22.8	+15 50	10.4	Ao
9	3946	19.5	+17 12	10.1	G5	..	20.6	+16 50	10.8	Ao	3969	21.9	+17 10	9.8	A3	3819	22.8	+15 19	10.3	Ao
10	3903	19.5	+14 37	9.8	Go	3844	20.6	+16 33	10.2	B9	3970	21.9	+17 8	9.2	A2	4018	22.8	+13 47	9.6	F8
11	3827	19.5	+11 20	10.4	A2	..	20.6	+13 33	10.9	B8	3912	21.9	+14 42	10.7	A5	..	22.8	+13 11	11.5	A3
12	3882	19.5	+10 53	10.6	Fo	4065	20.7	+18 39	11.3	K5	3914	21.9	+14 27	9.8	A5	3844	22.8	+11 52	10.7	A2
13	3838	19.6	+16 55	10.9	Go	3957	20.7	+17 11	9.1	Ao	3897	21.9	+10 22	11.6	G5	3845	22.8	+11 14	10.6	Ao
14	4005	19.6	+13 27	11.1	A7	3845	20.8	+16 11	11.2	A3	4074	22.0	+18 27	10.3	F2	*3857*	22.9	+17 0	9.5	F2
15	3828	19.6	+11 43	10.5	A3	3908	20.8	+14 53	10.8	Ao	3971	22.0	+17 7	9.8	A2	3858	22.9	+16 53	11.2	Mo
16	3800	19.7	+15 5	11.2	Go	3907	20.8	+14 9	11.3	Ko	3850	22.0	+16 50	9.6	B8	4019	22.9	+13 12	9.9	A3
17	3884	19.7	+10 49	11.5	Mo	3902	20.8	+12 34	11.3	K2	..	22.0	+16 24	10.9	F8	3846	22.9	+11 26	10.6	F2
18	3885	19.7	+10 40	10.7	A	..	20.9	+16 6	11.3	A	..	22.0	+14 7	10.9	Go	..	23.0	+19 3	10.7	Ao
19	3951	19.8	+17 53	9.8	Ao	3806	20.9	+15 18	11.2	K5	3841	22.0	+11 6	10.5	Ao	4083	23.0	+18 24	9.7	Ao
20	3801	19.8	+15 51	10.9	A	4010	20.9	+13 30	10.8	G5	*4076*	22.1	+19 2	10.1	B9	4084	23.0	+18 13	10.4	A3
21	*4006*	19.8	+14 5	11.6	F8	3837	20.9	+11 55	11.5	Go	4077	22.1	+18 30	11.1	Go	4086	23.0	+18 11	11.3	K5
22	3840	19.9	+16 27	9.8	F5	3961	21.0	+17 55	10.7	Fo	3814	22.1	+15 48	9.9	F8	3974	23.0	+17 59	10.0	K2
23	3803	19.9	+15 43	9.6	B8	3960	21.0	+17 29	10.2	B5	3909	22.1	+12 39	10.2	A2	3921	23.0	+14 21	8.9	A5
24	3802	19.9	+15 26	11.2	K5	3958	21.0	+17 11	10.4	F5	3898	22.1	+10 27	11.0	F8	3912	23.0	+12 27	10.4	A2
25	3897	19.9	+12 45	11.4	G5	3959	21.0	+17 10	11.5	A	..	22.2	+15 4	11.3	A5	4026	23.1	+19 40	9.9	Ko
26	4058	20.0	+18 9	10.3	A7	3846	21.0	+16 52	9.8	F2	3915	22.2	+14 36	10.7	G5	..	23.1	+19 26	10.6	Fo
27	3952	20.0	+17 8	10.8	F8	4012	21.0	+13 51	11.2	Ao	3910	22.2	+12 40	9.8	Fo	3821	23.1	+15 20	11.0	Fo
28	..	20.0	+16 1	10.8	A2	4011	21.0	+13 41	11.0	F5	..	22.3	+15 20	11.3	A5	3908	23.1	+10 45	10.8	A3
29	3905	20.0	+14 44	10.7	F5	3903	21.0	+12 40	11.6	F5	..	22.3	+15 18	11.2	A7	..	23.2	+17 54	10.6	Go
30	..	20.0	+13 58	11.4	F2	4066	21.1	+18 54	10.8	F2	3916	22.3	+14 8	10.9	K2	..	23.2	+16 55	11.4	A
31	..	20.0	+13 34	11.2	A	4068	21.2	+18 19	10.9	Fo	4016	22.3	+13 9	11.0	Fo	3822	23.2	+15 49	11.5	K5
32	*3898*	20.0	+13 4	11.0	A3	*3808*	21.2	+16 2	9.6	B9	..	22.4	+17 37	11.3	A	..	23.2	+15 29	11.4	G5
33	3899	20.0	+12 59	11.2	K2	..	21.2	+15 39	11.2	A	..	22.4	+16 56	11.8	A	3847	23.2	+11 14	10.1	A5
34	3830	20.0	+11 25	11.0	G	3910	21.2	+14 51	10.6	F8	..	22.4	+16 49	11.6	A	3909	23.2	+10 53	11.3	K5
35	..	20.0	+11 0	11.4	G	4012	21.3	+19 16	9.8	A2	3852	22.4	+16 33	10.5	F2	4088	23.3	+18 12	12.0	Mo
36	*4059*	20.1	+19 3	10.5	F8	4070	21.3	+18 13	9.2	F8	3815	22.4	+15 24	10.5	A3	*3860*	23.3	+17 1	11.4	Fo
37	3954	20.1	+17 36	10.5	Fo	4069	21.3	+18 8	11.5	M2	3917	22.4	+14 54	10.8	Mo	3859	23.3	+16 34	10.8	Fo
38	3804	20.1	+15 5	10.9	Fo	3962	21.3	+17 47	10.2	Ko	4022	22.5	+19 33	9.5	Go	3823	23.3	+15 54	10.5	Ko
39	4007	20.1	+13 21	11.2	F5	*3963*	21.4	+18 0	11.2	F2	4080	22.5	+18 40	11.2	A2	..	23.3	+14 36	11.6	G
40	*3831*	20.1	+12 3	11.8	G5	3810	21.4	+15 39	10.6	Ao	4079	22.5	+18 6	9.3	A2	3924	23.3	+14 25	10.4	F8
41	*3832*	20.1	+12 3	10.4	F2	4013	21.4	+13 11	9.5	B9	..	22.5	+16 59	11.8	G	4021	23.3	+13 23	10.7	F5
42	..	20.1	+10 45	11.6	K	*3964*	21.5	+18 2	10.5	A7	3816	22.5	+15 54	9.0	A2	..	23.3	+13 16	10.8	A3
43	3841	20.2	+16 16	10.5	F5	4072	21.6	+18 59	10.5	A3	3843	22.5	+11 26	10.3	K5	..	23.3	+10 47	11.3	A
44	..	20.2	+13 46	11.6	K	4073	21.6	+18 39	11.1	K5	..	22.5	+10 41	10.9	B8	3862	23.4	+16 29	9.2	Go
45	3834	20.2	+11 46	9.5	Go	3812	21.6	+15 55	9.6	G5	..	22.6	+19 27	10.9	A	..	23.4	+16 20	10.9	Ko
46	4061	20.3	+18 54	10.9	Go	*4014*	21.6	+14 0	11.2	Ko	3972	22.6	+17 13	9.8	A2	3825	23.4	+15 47	10.4	Go
47	4060	20.3	+18 25	11.4	Ao	3905	21.6	+12 50	10.6	Ap	3973	22.6	+17 5	9.8	Fo	3824	23.4	+15 35	11.4	K5
48	3900	20.3	+12 48	11.4	Mo	3839	21.6	+11 27	11.6	A	3854	22.6	+16 14	9.4	A2	*3925*	23.4	+15 1	11.2	Ko
49	3901	20.3	+12 30	10.8	Go	3967	21.7	+17 29	11.9	K2	3918	22.6	+14 33	11.2	G5	4022	23.4	+13 16	10.3	F8
50	4062	20.4	+18 54	10.9	Go	3966	21.7	+17 8	10.8	K2	*4017*	22.6	+14 3	10.8	F5	..	23.4	+10 19	11.6	Ko

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1938ApHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3863	23.5	+16 38	10.8	F5	3832	24.5	+15 10	10.8	F5	..	25.6	+18 1	11.4	A	3990	26.6	+17 38	10.3	B9
2	3864	23.5	+16 16	10.6	Go	3934	24.5	+14 51	10.8	A2	..	25.6	+14 45	11.0	G5	3881	26.6	+16 13	10.0	F8
3	..	23.5	+16 9	10.8	Go	3932	24.5	+14 39	10.8	A3	..	25.7	+17 30	12.0	K	3844	26.6	+15 30	10.3	A5
4	..	23.5	+14 54	11.4	A	3935	24.5	+14 21	8.4	Fo	*3939*	25.7	+15 3	10.8	F8	4106	26.7	+18 19	10.4	A5
5	..	23.5	+13 38	10.8	F5	3933	24.5	+14 16	8.4	F8	3934	25.7	+12 54	10.3	Go	3944	26.7	+14 27	11.1	G
6	3915	23.5	+12 43	11.0	A2	..	24.6	+17 25	10.4	Fo	4100	25.8	+18 29	9.8	K5	4033	26.7	+13 49	9.8	Ao
7	3849	23.5	+11 53	9.4	A2	3869	24.6	+16 33	10.4	Fo	3839	25.8	+15 12	10.3	A2	3934	26.7	+10 43	9.7	A3
8	4090	23.6	+18 7	11.3	F5	..	24.6	+15 11	11.3	A	..	25.8	+14 27	11.2	Ao	3933	26.7	+10 40	10.3	A
9	3975	23.6	+17 26	9.5	Ko	3853	24.6	+11 25	10.6	K2	3937	25.8	+12 31	11.2	Fo	3932	26.7	+10 22	10.5	Ao
10	4024	23.6	+13 47	9.6	G5	..	24.6	+11 0	11.0	A	3936	25.8	+12 28	11.0	Ao	4047	26.8	+19 21	10.5	G5
11	3918	23.6	+12 30	9.5	B8	3917	24.6	+10 19	10.8	G5	..	25.8	+12 15	11.4	A	4107	26.8	+18 57	10.6	Ko
12	3917	23.6	+12 19	10.4	K2p	*3833*	24.7	+16 3	9.5	A2	..	25.8	+11 38	11.0	Ao	3845	26.8	+15 48	10.0	Ao
13	3910	23.6	+10 33	10.2	Ao	..	24.7	+13 49	11.6	Go	3863	25.8	+11 35	10.3	F5	3944	26.8	+12 33	9.9	A5
14	3927	23.7	+14 55	10.9	A7	3927	24.8	+12 22	10.8	B		25.8	+11 35		A5	3872	26.8	+11 9	10.2	B9
15	3919	23.7	+12 14	11.6	K	3857	24.8	+11 27	10.6	Fo	4102	25.9	+18 8	10.8	Ao	*3935*	26.8	+11 2	10.5	Ko
16	3920	23.7	+12 8	10.8	Go	4096	24.9	+18 12	11.1	Ko	*3986*	25.9	+18 3	10.7	Bo	..	26.8	+10 50	10.7	A5
17	3850	23.7	+11 52	10.2	Go	3981	24.9	+17 48	10.7	F8	..	25.9	+17 12	11.4	Ao	..	26.9	+18 21	10.9	A
18	*3827*	23.8	+16 5	9.5	F8	3982	24.9	+17 8	11.5	F8	3939	25.9	+12 7	10.8	Ko	..	26.9	+14 42	10.6	Fo
19	*3928*	23.8	+15 2	11.0	Ao	4027	24.9	+13 30	10.6	F8	3866	25.9	+11 23	10.2	A2	4034	26.9	+13 59	11.5	K2
20	4092	23.9	+18 16	10.0	F5	3928	24.9	+12 39	9.8	A2	3928	25.9	+10 53	11.1	G5	..	26.9	+13 51	10.6	Ao
21		23.9	+18 16		Ao	3858	24.9	+11 35	11.6	A	4103	26.0	+18 57	9.8	B8	..	26.9	+12 2	11.6	A
22	3828	23.9	+15 47	10.7	Go		24.9	+11 35	10.8	A3	..	26.0	+17 42	11.0	G5	..	26.9	+11 49	11.8	A
23	*3911*	23.9	+11 5	11.2	K	3859	24.9	+11 23	11.6	A	..	26.0	+17 1	12.0	A7	3936	26.9	+10 49	11.6	K5
24	..	24.0	+14 27	10.8	K5	3921	24.9	+10 52	11.0	Fo	4030	26.0	+13 15	9.5	Ao	3882	27.0	+16 33	11.1	A3
25	3929	24.0	+14 17	9.8	A2	3920	24.9	+10 17	10.3	Ko	3941	26.0	+12 15	11.0	A	*3846*	27.0	+16 2	10.5	B8
26	3930	24.0	+14 5	10.8	B9	3983	25.0	+17 59	10.8	A3	3988	26.1	+17 38	10.4	Fo	3945	27.0	+14 33	11.4	F8
27	3829	24.1	+15 12	10.6	F5	3871	25.0	+16 49	9.2	F2	..	26.1	+16 9	10.6	A	4035	27.0	+13 54	9.4	A2
28	..	24.1	+14 30	10.8	Ao	..	25.0	+13 0	11.6	G	3842	26.1	+15 5	10.0	A3	4036	27.0	+13 14	9.6	Fo
29	4025	24.1	+13 40	10.0	A5	..	25.0	+12 25	10.8	A5	*3940*	26.1	+15 1	9.2	Ao	3948	27.0	+12 55	10.2	Ko
30	4032	24.2	+19 22	10.6	A5	4040	25.1	+19 37	10.8	K5	..	26.1	+13 28	11.0	F5	..	27.0	+12 0	11.6	F
31	4031	24.2	+19 3	10.4	Ao	3984	25.1	+17 47	9.8	F8	..	26.1	+13 11	11.6	Go	4108	27.1	+18 9	10.8	Ao
32	4093	24.2	+18 17	11.5	A	3985	25.1	+17 22	8.9	F8	3942	26.1	+12 50	10.2	F8	4109	27.1	+18 5	10.5	B8
33	*3978*	24.2	+18 3	10.7	Ko	3835	25.1	+15 51	11.0	A	3929	26.1	+10 58	10.6	A	3992	27.1	+17 34	9.2	Go
34	..	24.2	+17 6	11.4	F8	*3860*	25.1	+12 0	11.5	Ko	3840	26.2	+15 47	10.4	F2	..	27.1	+14 46	11.5	G
35	3831	24.2	+15 15	11.2	K2	4097	25.2	+18 59	10.7	Ao	3841	26.2	+15 40	11.1	F5	*4037*	27.1	+14 4	10.7	Ao
36	4026	24.2	+13 6	11.0	F8	..	25.2	+18 14	11.1	A7	3942	26.2	+14 51	10.3	K2	4038	27.1	+13 32	10.0	B9
37	3921	24.2	+12 40	11.8	Ko	3836	25.2	+15 13	9.7	Ao	3941	26.2	+14 26	11.1	F8	4110	27.2	+18 29	10.4	Ko
38	3922	24.2	+12 7	11.3	F	3938	25.2	+14 39	11.0	K7	*3879*	26.3	+17 3	9.2	F8	*3847*	27.2	+16 4	10.6	A2
39	4034	24.3	+19 15	9.3	F8	..	25.2	+13 32	11.6	A	3877	26.3	+16 18	10.5	A3	..	27.2	+11 55	12.0	M
40	3865	24.3	+16 55	10.8	F2	*4098*	25.3	+19 1	9.7	A5	3878	26.3	+16 12	10.2	F8	*3937*	27.2	+11 4	10.8	A3
41	3866	24.3	+16 53	9.8	Fo	3872	25.3	+16 13	11.0	B5	4031	26.3	+13 24	10.4	F8	4049	27.3	+19 36	10.6	Ao
42	..	24.3	+14 46	11.2	F2	3931	25.3	+12 28	10.5	Go	..	26.3	+13 15	11.2	A2	*4112*	27.3	+19 4	10.7	K2
43	..	24.3	+11 22	10.8	Go	..	25.4	+16 19	11.1	Ao	*3943*	26.3	+13 3	11.1	Ko	3874	27.3	+11 40	11.0	K5
44	4041	24.4	+19 25	10.0	Ao	3837	25.4	+15 17	9.7	G5	3870	26.4	+11 12	10.7	A3	3940	27.3	+10 50	11.0	Ko
45	..	24.4	+17 27	11.1	Ao	*3933*	25.4	+13 2	10.8	B8	3869	26.4	+11 10	9.9	Ao	4113	27.4	+18 25	10.5	F5
46	3979	24.4	+17 9	11.7	M2	3861	25.4	+11 43	11.8	A	4045	26.5	+19 21	10.4	G5	*3993*	27.4	+18 5	10.6	Go
47	..	24.4	+11 25	10.8	A2	..	25.5	+16 34	11.8	A	3880	26.5	+16 29	10.6	A2	*3848*	27.4	+16 2	9.8	Go
48	4035	24.5	+19 31	10.5	A	..	25.5	+16 31	11.8	A	3843	26.5	+15 50	10.4	A3	3949	27.4	+14 35	9.9	F8
49	3868	24.5	+16 15	9.8	Fo	3838	25.5	+15 30	11.2	F8	3943	26.5	+14 54	10.3	Go	3876	27.4	+11 53	10.2	Go
50	..	24.5	+15 58	11.3	A5	4099	25.6	+18 12	10.6	Ko	..	26.5	+13 41	10.8	F8	3875	27.4	+11 17	11.5	Go

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231700 — $19^h\ 27^m.5$ to $19^h\ 30^m.6$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	3883	27.5	+16 15	9.6	Go	*4043*	28.3	+14 4	11.2	A	4000	29.1	+17 28	11.0	K5	3899	29.8	+16 32	10.6	Go
2	*3851*	27.5	+16 0	9.4	A5	4044	28.3	+13 14	10.3	Go	3891	29.1	+16 9	10.5	F8	..	29.8	+10 41	10.6	A3
3	3849	27.5	+15 21	10.9	F5	3958	28.3	+12 39	10.2	B9	..	29.1	+15 14	11.2	A	3966	29.8	+10 9	9.6	A5
4	3951	27.5	+14 35	10.8	Fo	..	28.3	+12 31	10.8	Ao	..	29.1	+14 24	10.8	A2	4128	29.9	+18 28	10.2	A2
5	..	27.5	+13 34	11.3	K	..	28.3	+12 10	10.8	F2	4124	29.2	+18 52	9.9	Ao	4006	29.9	+17 9	11.0	F5
6	..	27.5	+12 43	11.2	G5	*3949*	28.3	+11 1	9.8	F2	3892	29.2	+16 25	9.3	A2	3900	29.9	+16 41	9.2	B9
7	..	27.5	+12 25	10.6	Ao	..	28.3	+11 1	11.4	A	..	29.2	+15 15	11.0	A7	..	29.9	+16 13	10.4	Go
8	4051	27.6	+19 36	10.4	G5	4118	28.4	+18 43	11.2	K2	*3956*	29.2	+15 2	11.4	Ko	3867	29.9	+15 39	10.7	K2
9	3852	27.6	+15 23	10.8	Ao	..	28.4	+15 26	10.8	A3	4051	29.2	+13 40	9.3	Ko	3968	29.9	+12 38	10.2	Ko
10	4040	27.6	+13 11	10.6	Ko	4046	28.4	+13 56	10.8	G5	4052	29.2	+13 12	11.6	Go	3968	29.9	+10 49	10.6	Ao
11	3879	27.6	+11 57	11.0	Go	4047	28.4	+13 40	10.2	F8	*3959*	29.2	+11 5	11.5	K5	..	30.0	+16 52	11.2	A
12	..	27.6	+11 53	11.3	A	..	28.4	+12 29	10.6	F5	4003	29.3	+17 7	11.0	K2	..	30.0	+16 18	10.8	G
13	3878	27.6	+11 16	11.9	K5	3950	28.4	+10 36	10.3	A5	..	29.3	+17 1	11.4	F8	3971	30.0	+12 42	11.2	Go
14	4115	27.7	+18 30	10.6	G5		28.4	+10 36		Go	..	29.3	+15 24	10.9	B8	3969	30.0	+12 36	10.6	Ko
15	4116	27.7	+18 12	10.3	B9	..	28.5	+17 32	10.4	F5	3962	29.3	+12 16	11.0	G5	3970	30.0	+12 15	9.7	Fo
16	3994	27.7	+17 31	10.2	F2	3888	28.5	+16 36	11.0	A3	3961	29.3	+12 8	10.1	G5	4008	30.1	+17 47	10.9	K2
17	..	27.7	+17 25	10.4	A3	3858	28.5	+15 31	10.8	F5	3890	29.3	+11 48	10.6	Go	3901	30.1	+16 40	11.3	Ko
18	3952	27.7	+14 12	10.8	B8	3885	28.5	+11 32	10.0	G5	..	29.3	+11 5	11.8	A	3972	30.1	+12 21	10.1	A2
19	3950	27.7	+12 40	9.6	Ao	3886	28.5	+11 24	11.0	Mo	..	29.4	+16 2	11.8	A	3894	30.1	+11 25	10.3	Go
20	3951	27.7	+12 24	10.8	K5	3884	28.5	+11 10	10.4	Ao	..	29.4	+15 17	11.0	F5	*4132*	30.2	+19 5	10.0	K2
21	..	27.7	+11 27	11.3	A5	3952	28.5	+10 51	10.4	Ao	3958	29.4	+14 30	9.1	F2	3962	30.2	+14 50	10.8	G5
22	3884	27.8	+16 14	11.8	G	..	28.6	+16 20	11.1	A	..	29.4	+14 6	11.1	A3	..	30.2	+14 34	11.0	Ko
23	..	27.8	+16 4	11.5	F5	3860	28.6	+15 26	10.1	B5	4053	29.4	+13 18	11.4	G5	4059	30.2	+13 57	9.6	F2
24	4041	27.8	+13 31	11.1	G	3959	28.6	+12 19	10.0	A5	3965	29.4	+12 58	10.0	Ao	4056	30.2	+13 29	11.0	G5
25	3953	27.8	+12 55	10.6	K2	..	28.6	+11 49	11.0	Ao	3964	29.4	+12 26	9.7	G5	*3897*	30.2	+12 6	10.0	Ko
26	3954	27.8	+12 19	10.6	F5	3887	28.6	+11 40	10.9	Ko	..	29.4	+11 43	11.5	A5	3896	30.2	+11 33	10.9	K5
27	3880	27.8	+11 43	11.5	Ko	3889	28.7	+16 32	10.1	B9	4125	29.5	+18 38	9.8	A2	4010	30.3	+17 34	11.2	Go
28	3881	27.8	+11 18	10.6	Fo	..	28.7	+15 8	10.9	Go	3959	29.5	+14 24	10.6	Go	3903	30.3	+16 52	10.2	A7
29	3943	27.8	+10 41	10.0	Fo	..	28.7	+14 44	11.6	K	3891	29.5	+11 31	10.5	A2	3963	30.3	+14 24	11.6	Ko
30	4053	27.9	+19 36	10.2	Ko	3955	28.7	+14 15	10.6	A5	3892	29.5	+11 16	10.5	Fo	4061	30.3	+13 42	10.6	F8
31	3885	27.9	+16 46	11.0	Mo	4049	28.7	+13 58	11.4	M2	3961	29.5	+10 58	10.1	Ao	..	30.3	+13 4	11.0	Fo
32	3886	27.9	+16 26	10.6	F8	4048	28.7	+13 30	10.4	Go	3962	29.5	+10 13	10.3	Ko	3974	30.3	+12 24	11.6	K7
33	..	27.9	+16 21	11.1	A	..	28.7	+11 55	10.8	A3	4004	29.6	+17 27	12.0	K2	3976	30.3	+12 15	9.5	B9
34	3853	27.9	+15 38	11.1	Fo	..	28.8	+16 48	11.6	G	..	29.6	+16 35	10.8	A5	3898	30.3	+11 12	11.6	K5
35	3955	27.9	+12 44	11.4	F5	3862	28.8	+15 34	10.8	Go	3895	29.6	+16 12	11.8	K7	4065	30.4	+19 17	10.6	G5
36	3855	28.0	+15 22	10.0	F8	4050	28.8	+13 13	9.4	Fo	3864	29.6	+15 53	10.8	Go	4011	30.4	+17 20	9.8	Ao
37	3856	28.0	+15 18	9.8	A5	4057	28.9	+19 37	10.2	Ao	3960	29.6	+14 56	10.8	F2	3870	30.4	+15 45	10.8	F5
38	..	28.0	+13 33	11.0	A2	*4120*	28.9	+19 1	10.2	F8	3966	29.6	+12 24	11.7	K2	3869	30.4	+15 36	9.8	F5
39	..	28.0	+13 15	11.4	A	4121	28.9	+18 45	11.4	K5	..	29.6	+12 9	11.1	Go	4062	30.4	+13 24	10.4	Ao
40	..	28.1	+14 43	11.0	A7	3998	28.9	+17 11	11.0	Go	3963	29.6	+10 33	10.3	Fo	..	30.4	+12 7	11.0	A
41	*3956*	28.1	+13 2	11.2	Ko	3890	28.9	+16 27	10.6	B8	4127	29.7	+18 34	10.8	F5	3971	30.4	+10 57	10.4	A5
42	3995	28.2	+17 50	10.7	Ao	*3960*	28.9	+13 0	9.9	A2	3897	29.7	+16 51	10.6	Go	*4012*	30.5	+18 0	11.1	A
43	3997	28.2	+17 31	10.3	B9	..	28.9	+12 21	10.9	Ao	3896	29.7	+16 28	10.8	A	..	30.5	+16 9	10.6	B8
44	3996	28.2	+17 12	11.6	A	..	28.9	+11 59	10.8	A5	3865	29.7	+15 28	10.6	F5	..	30.5	+13 19	10.8	A
45	3887	28.2	+16 12	9.8	B5	4122	29.0	+18 12	10.7	K2	3961	29.7	+14 43	11.2	Ko	3900	30.5	+11 30	10.6	Go
46	*3857*	28.2	+16 5	10.0	F5	*3999*	29.0	+18 1	10.6	A2	..	29.7	+12 0	11.1	G5	4069	30.6	+19 8	10.8	M2
47	4042	28.2	+13 33	9.4	B9		29.0	+18 1	10.3	Ko	4060	29.8	+19 37	10.2	A5	4135	30.6	+18 12	10.1	Ao
48	3957	28.2	+12 38	9.2	A2	3888	29.0	+11 16	10.4	A3	4061	29.8	+19 10	10.1	Ko	3871	30.6	+15 13	10.5	F8
49	3883	28.2	+11 24	10.4	Go	4123	29.1	+18 30	9.4	Go	4005	29.8	+17 52	11.4	Ao		30.6	+15 13	10.6	K5
50	4117	28.3	+18 32	10.9	Ao	4001	29.1	+17 31	10.6	A3	3898	29.8	+16 41	10.9	Ko	..	30.6	+13 39	11.8	F8

$+10°.2$ to $+19°.5$

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31900 — $19^h\ 30^m.6$ to $19^h\ 33^m.9$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	30.6	+12 34	11.0	F5	3969	31.5	+14 25	10.0	A2	3986	32.4	+10 44	9.9	Ao	3981	33.1	+14 8	10.0	F8
2	4136	30.7	+18 30	10.3	K5	..	31.6	+16 18	11.4	A	4155	32.5	+18 27	10.6	G5	..	33.1	+13 57	11.1	F8
3	*4014*	30.7	+18 6	11.4	A2	*3971*	31.6	+15 3	10.8	Go	..	32.5	+16 34	10.8	A2	3994	33.1	+12 27	10.9	Ao
4	3906	30.7	+16 20	10.6	Ao	3972	31.6	+14 50	10.1	K5	..	32.5	+15 38	11.4	G	3919	33.1	+11 24	10.6	Ko
5	4063	30.7	+13 24	9.8	Ko	4147	31.7	+18 46	10.6	A7	4078	32.5	+13 50	10.4	Ko	..	33.1	+10 46	11.5	M
6	3903	30.7	+11 35	10.6	F	4146	31.7	+18 44	10.7	M	4077	32.5	+13 35	10.9	K5	3883	33.2	+15 50	10.2	F2
7	4138	30.8	+18 30	10.4	Ao	*3914*	31.7	+17 1	11.1	A	..	32.5	+12 38	11.6	K5	4083	33.2	+13 30	11.6	K5
8	4015	30.8	+17 18	11.0	Ko	3913	31.7	+16 27	10.6	F2	4083	32.6	+19 22	10.6	Ko	3996	33.2	+12 40	9.6	K2
9	3907	30.8	+16 34	10.8	Ao	..	31.7	+15 30	10.8	A3	4156	32.6	+18 48	10.2	A2	3994	33.2	+10 39	10.4	A5
10	..	30.8	+15 49	11.3	G	3973	31.7	+14 35	11.2	K5	4157	32.6	+18 42	10.2	F2	4164	33.3	+18 36	10.0	Ko
11	3966	30.8	+14 41	11.3	Ko	3908	31.7	+11 49	9.6	F2	4029	32.6	+17 9	10.4	F8	3882	33.3	+15 6	10.7	A2
12	4065	30.8	+13 59	11.2	G5	3909	31.7	+11 38	9.8	A2	..	32.6	+16 32	11.2	A7	3982	33.3	+14 55	11.3	K5
13	4064	30.8	+13 41	10.7	Ao	3907	31.7	+11 11	10.6	A2	..	32.6	+16 9	11.2	Fo	3983	33.3	+14 8	10.4	A5
14	..	30.9	+19 13	10.9	A3	4148	31.8	+18 8	10.2	A2	..	32.6	+15 41	11.2	A	*4084*	33.3	+14 0	9.9	A7
15	*4139*	30.9	+19 0	10.7	G5	..	31.8	+17 52	11.2	G	..	32.6	+14 50	10.8	G5	3997	33.3	+10 31	10.4	A2
16	3908	30.9	+16 16	11.2	A	3915	31.8	+16 47	10.1	B9	4079	32.6	+13 41	10.6	A2	3995	33.3	+10 26	10.6	A
17	4066	30.9	+13 51	9.2	Ao	..	31.8	+15 21	10.6	F5	*3988*	32.6	+11 4	9.6	A2	4165	33.4	+18 8	10.6	G5
18	4140	31.0	+18 21	11.5	Ko	4072	31.8	+13 56	10.6	F8	*3879*	32.7	+16 0	10.5	G5	..	33.4	+14 33	10.7	A
19	4016	31.0	+17 6	10.8	Go	3980	31.8	+12 57	11.0	Go	..	32.7	+15 39	11.1	Fo	4086	33.4	+13 51	11.4	K2
20	..	31.0	+16 51	10.6	B9	3981	31.8	+12 45	9.8	B8	..	32.7	+14 48	10.8	Ao	4085	33.4	+13 28	11.4	K5
21	..	31.0	+16 26	10.9	A5	..	31.8	+12 24	11.0	A2	3977	32.7	+14 9	10.2	Fo	..	33.4	+13 16	11.4	Fo
22	..	31.0	+15 47	10.9	Go	4022	31.9	+17 25	10.3	B9	4080	32.7	+13 56	10.0	B9	3998	33.4	+12 11	10.4	Ko
23	*4068*	31.0	+14 5	11.4	A5	..	31.9	+16 14	11.4	B8	..	32.7	+13 4	11.6	A	..	33.4	+12 11	11.5	Ko
24	4017	31.1	+17 47	10.2	B8	..	31.9	+12 4	11.7	K7	3989	32.7	+10 44	10.7	K5	3920	33.4	+11 55	10.8	K2
25	4019	31.1	+17 41	10.0	A2	..	31.9	+11 37	10.4	Ao	4160	32.8	+18 58	10.4	K5	3999	33.5	+12 50	9.2	B8
26	3967	31.1	+14 49	9.1	F2	3910	31.9	+11 26	10.6	Ao	4159	32.8	+18 53	10.6	Mo	..	33.5	+11 39	10.5	Go
27	..	31.1	+12 43	11.4	A5	4077	32.0	+19 25	9.9	Ao	4158	32.8	+18 50	10.0	Mo	*4031*	33.6	+18 2	10.2	G5
28	..	31.1	+12 14	11.5	Ao	4150	32.0	+18 8	10.0	K5	..	32.8	+17 49	10.0	B9	3924	33.6	+16 35	10.6	K5
29	3978	31.1	+10 39	10.4	F8	..	32.0	+16 32	11.2	Fo	3919	32.8	+16 15	8.8	B8	3885	33.6	+15 48	9.8	A3
30	3979	31.2	+12 56	10.2	B9	*4023*	32.1	+18 3	9.8	Ao	..	32.8	+15 54	11.2	A7	3984	33.6	+14 8	10.4	Ao
31	..	31.2	+11 49	10.4	A5	..	32.1	+13 49	10.6	A5	3880	32.8	+15 20	10.4	A2	*3999*	33.6	+11 0	10.4	G5
32	3904	31.2	+11 33	10.7	Ko	4074	32.1	+13 13	10.0	G	4081	32.8	+13 17	9.3	A2	4169	33.7	+18 25	9.6	A2
33	..	31.3	+18 30	11.4	A	..	32.1	+12 58	11.5	A7	4082	32.8	+13 15	9.0	F2	4032	33.7	+17 58	10.0	F2
34	4020	31.3	+17 11	11.8	K7	..	32.1	+12 32	11.3	Go	4161	32.9	+18 25	12.0	Mo	..	33.7	+17 38	10.2	A5
35	3911	31.3	+16 45	8.9	Go	3985	32.1	+10 35	10.6	K5	3979	32.9	+14 53	10.6	A3	..	33.7	+15 50	10.2	B9
36	*3873*	31.3	+16 4	8.6	B9	3916	32.2	+16 41	10.6	Ao	3980	32.9	+14 14	10.2	Go	4087	33.7	+13 7	11.4	G
37	3874	31.3	+15 13	10.8	K2	3982	32.2	+12 43	9.8	Ao	3989	32.9	+12 58	10.4	K2	3921	33.7	+11 38	9.8	A2
38	..	31.3	+14 53	10.8	Go	..	32.2	+12 37	11.0	A	3991	32.9	+12 41	9.9	Ao	4000	33.7	+10 43	10.6	K5
39	4143	31.4	+18 29	10.2	A2	4153	32.3	+18 42	10.8	A3	3917	32.9	+11 16	11.6	M	3985	33.8	+14 10	10.2	F8
40	3912	31.4	+16 52	11.9	K5	3878	32.3	+15 34	10.3	Go	3918	32.9	+11 10	10.2	K2	4089	33.8	+13 42	12.0	K5
41	..	31.4	+15 42	10.9	A7	..	32.3	+15 17	11.0	Ao	..	33.0	+15 42	10.6	Ao	4088	33.8	+13 27	10.3	Go
42	3875	31.4	+15 34	10.9	A	4075	32.3	+13 56	10.4	Go	3992	33.0	+12 31	10.2	K2	..	33.8	+13 1	11.8	A
43	..	31.4	+15 15	10.9	F8	..	32.3	+13 42	11.3	A	3992	33.0	+10 56	10.6	Ao	3922	33.8	+11 31	10.3	A
44	3968	31.4	+14 36	9.0	B9	..	32.3	+12 42	10.8	Ao	3993	33.0	+10 24	10.2	A5	4171	33.9	+18 31	10.0	A5
45	*4070*	31.4	+14 3	9.6	Go	3984	32.3	+12 38	11.0	K2	4163	33.1	+18 40	10.0	A3	4033	33.9	+17 54	9.2	F8
46	..	31.4	+13 54	10.9	A3	3983	32.3	+12 20	10.7	A7	4030	33.1	+17 12	10.5	Fo	*3887*	33.9	+16 2	10.6	Ao
47	..	31.4	+12 57	11.8	A	4154	32.4	+18 11	10.0	B8	3920	33.1	+16 41	11.0	Ko	3888	33.9	+15 46	10.0	B5
48	*3905*	31.4	+12 4	12.1	K5	3975	32.4	+14 16	9.6	A5	3921	33.1	+16 34	10.4	Ao	3886	33.9	+15 20	10.4	K2
49	4145	31.5	+18 55	10.0	Fo	..	32.4	+12 35	11.1	A	3881	33.1	+15 32	10.0	Go	3986	33.9	+14 30	9.0	Go
50	3876	31.5	+15 18	10.2	A2	..	32.4	+12 27	11.0	B8	..	33.1	+14 32	10.4	A2	4090	33.9	+13 28	11.2	G

$+10°.2$ to $+19°.5$

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232100 232300 $0^h\,0^m.1$ to $1^h\,33^m.7$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	1	8.4	Ko	102	9.1	Ao	196	9.5	G5	293	9.0	K7	386	8.7	F5	465	8.6	Ko	564	9.4	A2	669	9.0	Ao
2	2	9.2	Ko	103	9.1	G5	198	9.1	B5	294	8.5	G5	388	8.8	A3	467	9.7	B9	565	8.9	A3	670	9.0	B8
3	4	9.0	Ko	105	8.6	Go	199	8.9	F8	296	9.0	G5	389	9.0	Fo	469	9.2	A2	566	9.0	F2	671	9.0	A3
4	5	9.0	Ao	108	9.4	F	200	9.0	Ao	298	8.9	K7	390	8.8	Ko	471	8.7	K2	567	9.0	G5	672	8.8	Go
5	7	9.0	Fo	111	9.0	K2	201	9.0	F5	299	9.5	Ao	391	9.4	F2	473	9.0	G5	569	9.0	K5	673	7.9	F8
6	8	8.8	Ko	112	9.0	A7	203	8.6	K2	301	9.0	Ao	392	9.0	F8	474	9.0	K5	571	9.0	G5	677	8.8	Go
7	9	8.9	B8	114	8.7	K5	204	9.2	B9	305	8.8	K5	393	9.6	K	477	9.0	Ao	572	8.0	Mo	678	8.9	G5
8	11	8.9	Ao	115	8.4	K2	205	9.4		307	8.4	Ko	396	9.0	Ao	478	8.8	G5	574	9.0	F2	680	9.4	Go
9	18	9.0	F8	117	8.8	K5	207	9.4	K7	309	8.7	K7	399	9.0	Fo	479	8.7	Ko	575	9.4	A2	686	8.8	Go
10	21	9.0	A2	118	8.6	Fo	208	8.9	B3	311	9.1	K5	401	9.0	B9	480	9.1	Ko	579	9.0	F8	687	9.1	K5
11	22	9.0	G5	119	8.6	B3	209	9.2	B8	314	9.5	A	402	9.2	Ao	481	9.2	G5	580	9.8	A5	688	8.9	F2
12	23	8.8	Go	120	8.8	G5	210	8.9	F8	315	8.6	Ko	403	8.8	Go	483	8.6	Ko	581	8.8	A7	694	8.8	B8
13	24	9.0	Ko	122	9.4	A2	218	8.8	Go	316	9.0	Fo	404	9.0	K7	484	9.3	A3	582	8.8	A3	697	8.7	K5
14	27	8.8	Ao	123	9.3	K5	227	9.0	B8	319	9.0	Go	405	8.6	K7	485	8.8	Ao	585	8.9	Ko	699	9.2	Go
15	30	8.8	K7	124	9.0	B8	228	8.6	K5	323	8.8	A2	406	9.8	A3	489	8.7	G5	588	9.0	K2	701	9.0	B8
16	31	8.9	G5	125	9.1	Ao	229	9.0	K5	324	8.6	Ko	407	8.4	Ao	490	8.9	B9	589	9.1	K2	702	9.1	F5
17	32	9.0	F8	130	9.1	B8	231	9.0	Ko	325	9.1	Ao	409	9.0	B9	494	9.2	A2	591	8.8	K5	703	9.0	G5
18	35	8.4	G5	131	8.8	Ao	233	8.7	G5	326	9.5	G5	410	8.9	Ao	495	9.2	K7	592	8.8	Go	705	8.9	Ko
19	38	8.6	Ko	133	8.8	Go	235	8.5	Ko	327	9.0	G5	411	8.6	A2	497	9.1	K5	593	9.3	B9	706	9.2	K5
20	39	8.9	Ko	135	9.0	Go	236	9.0	Ao	329	9.1	A2	412	8.1	K5	498	9.1	A2	595	9.0	A2	708	8.7	Ko
21	43	8.9	A7	137	9.2	B9	238	9.5	Ko	333	9.0	K2	414	8.8	G5	500	9.2	G5	597	9.4	F5	710	9.0	Ao
22	45	8.4	K5	138	9.1	B5	240	9.1	Ko	337	8.7	G5	415	9.2	Ao	501	8.7	K7	603	9.5	Go	711	8.8	G5
23	46	8.8	F5	141	8.6	Ao	243	9.0	B9	339	8.4	K2	416	9.0	B9	502	8.7	Ko	604	9.0	G5	715	8.5	Go
24	47	8.8	Ao	143	8.4	G5	244	9.2	Go	340	8.6	F5	420	8.8	B9	503	9.2	B9	606	9.5	G5	716	8.9	K2
25	48	8.0	K2	149	9.0	K7	246	9.2	A7	342	9.2	Go	422	9.6	K5	504	8.8	Ao	613	9.0	K2	717	8.7	K2
26	49	8.8	Ko	150	8.8	Ko	249	9.1	G5	343	9.3	A7	423	8.9	K7	505	9.0	G5	614	8.8	Ao	719	8.8	A2
27	50	9.1	B9	151	9.0	A2	251	9.3	Ao	347	10.2	Ko	426	8.5	K5	507	8.9	B8	618	9.0	K5	721	9.3	G
28	53	9.1	A2	152	8.8	G5	252	9.4	A2	348	8.8	K5	429	8.8	Go	508	8.9	F5	619	9.4	Ao	722	9.4	Ao
29	54	9.0	A2	156	8.6	G5	255	9.6	G5	351	8.5	K2	431	8.1	K7	509	8.9	Ao	624	9.3	Ao	723	9.2	A2
30	55	9.2	Ao	157	8.7	Ko	258	9.8	A2	355	9.1	K5	432	9.2	K5	510	8.8	A2	625	8.9	Ko	724	8.9	K2
31	57	8.4	K7	158	9.3	K2	260	9.0	K2	356	9.1	K5	436	9.0	Go	520	9.6	F8	627	8.8	Ko	726	8.4	Fo
32	58	8.8	K7	159	9.5	Ao	262	9.0	K5	357	9.2	A5	437	9.3	F8	521	8.9	K2	630	9.0	Ao	727	8.7	K2
33	60	8.6	F8	160	9.2	Fo	263	8.2	Ko	358	9.1	Ao	441	9.0	K5	524	8.4	Ko	633	8.6	K7	728	8.8	B9
34	61	8.8	F5	166	9.2	Go	264	9.1	Ko	359	8.4	K2	442	8.9	Ao	525	8.6	Ko	635	9.0	B9	729	8.9	B8
35	62	9.0	G5	167	9.1	Ao	265	8.6	Go	360	9.0	B9	443	8.6	K2	529	8.6	A3	638	8.9	Ko	730	8.6	K2
36	66	9.2	Ao	169	9.0	Go	266	9.0	K7	361	8.8	Ao	444	8.9	F5	534	8.6	K7	639	9.0	G5	732	9.0	A5
37	68	8.6	Ao	173	8.8	F5	267	9.1	Fo	362	8.9	K2	445	8.9	G5	537	9.0	K5	641	9.2	F8	735	8.6	Go
38	69	8.6	B3	176	9.0	G5	269	9.1	B9	365	8.5	F2	446	8.9	A3	539	9.0	K5	643	9.2	Ao	739	9.2	Ko
39	71	8.8	Fo	177	8.8	K2	271	9.0	Ao	366	9.1	G5	447	8.8	A5	540	8.9	A2	645	9.5	Mo	740	8.8	B
40	73	9.0	B8	178	9.0	Ao	273	9.0	F2	368	8.8	Ao	448	8.5	Ko	542	9.4	Go	646	8.9	A2	741	9.1	A
41	74	8.6	B8	180	9.0	F8	276	9.0	A7	369	9.1	B8	449	8.3	B9	543	9.3	F8	651	8.9	F5	748	8.7	K7
42	76	9.0	Go	183	9.0	K7	278	8.9	K5	371	8.3	Ko	450	9.0	Go	545	9.5	Go	652	9.0	F2	750	9.1	Ao
43	79	9.0	K5	184	8.9	A5	280	9.2	Mo	375	9.0	A3	451	9.0	B9	549	9.2	K7	656	8.8	Go	751	9.2	G
44	81	9.1	B9	185	9.0	B8	281	9.2	F2	376	9.3	A3	452	8.8	B5	550	...	Fo	657	9.1	B9	752	8.3	Fo
45	82	8.8	F5	187	9.0	K5	284	9.0	Ko	379	8.8	Fo	454	8.4	K5	553	9.2	Go	658	9.1	K7	757	9.2	M
46	83	...	F8	188	8.8	Ko	286	9.1	Fo	380	9.0	A5	457	8.6	B9	556	8.9	K7	661	8.8	K5	759	8.9	B9
47	87	9.1	A5	189	8.6	F5	287	8.9	Ao	381	9.6	Ao	458	9.0	Ao	557	9.0	F8	662	8.8	K2	762	8.4	K5
48	88	8.9	B8	192	8.8	Ko	288	9.4	Ao	382	8.8	F8	460	9.6	G5	558	8.8	K2	664	8.8	Go	766	9.0	Ao
49	94	8.8	G5	193	9.0	B9	289	8.2	K5	383	8.8	Ao	462	9.3	Ko	560	9.0	A3	666	8.7	K7	767	9.2	A2
50	97	8.8	K5	195	9.0	A2	291	9.0	F8	385	8.8	K5	464	8.6	G5	562	9.4	F8	668	9.0	Go	769	9.2	F2

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	770	9.0	Ko	861	8.9	Ao	979	9.6	Go	1123	8.3	K2	1248	9.2	B9	1379	9.0	Ko	1522	9.1	K7	1630	9.0	Ko
2	771	8.8	Fo	863	7.6	Bo	983	9.2	F8	1126	9.2	Fo	1250	8.4	B5	1382	9.2	A	1523	9.3	F5	1635	9.0	Ko
3	772	9.0	K2	864	8.9	K5	984	9.3	B9	1127	8.4	K2	1253	8.9	K5	1385	8.9	A	1526	9.0	K5	1636	8.8	Ko
4	773	9.2	K7	867	9.1	K7	985	9.2	Ao	1135	8.9	K7	1255	8.5	K5	1393	9.1	A5	1527	9.3	G	1638	9.2	Go
5	774	9.6	K	869	9.8	Ao	993	9.0	Ao	1139	9.4	K7	1267	9.1	Ao	1394	8.7	Ko	1528	9.1	Ao	1644	9.0	K2
6	775	9.0	Ao	870	9.0	K7	998	8.8	Ko	1140	9.0	F2	1268	9.0	K7	1395	8.7	B9	1532	9.4	K5	1646	9.0	G5
7	776	9.2	Ao	871	9.1	Ao	1000	8.9	K2	1143	8.8	K2	1272	8.8	Ao	1396	9.2	Go	1535	9.0	F5	1647	9.0	Go
8	777	9.0	F8	872	9.1	Ao	1002	9.4	Ao	1144	8.8	Mo	1276	9.5	K	1400	9.5	G	1536	8.8	Go	1649	8.8	A5
9	778	8.9	F8	874	8.7	K2	1005	9.0	K7	1145	8.8	F5	1277	8.4	K2	1401	8.2	F5	1537	8.9	B3	1651	9.1	Ao
10	779	9.0	K2	876	9.2	A3	1010	9.2	Ko	1150	9.2	Go	1282	9.3	A	1402	9.4	Fo	1538	9.0	F8	1653	8.9	Ao
11	780	9.1	Ko	880	9.0	K2	1014	8.7	K5	1160	9.0	Ko	1283	9.2	A	1403	9.3	A3	1539	9.4	Ao	1655	9.2	Ao
12	782	8.9	F8	882	9.1	Mo	1015	9.4	F5	1161	8.7	K7	1284	9.2	B9	1404	8.9	K5	1541	8.8	K2	1656	8.8	Ko
13	783	8.8	G5	884	8.6	F2	1016	8.5	Go	1163	9.5	F	1287	9.1	Ao	1409	9.1	F8	1542	9.0	G5	1662	9.1	G5
14	795	9.6	A3	886	8.8	G5	1017	9.0	Ko	1166	8.6	Ao	1289	9.0	Mo	1411	8.9	K7	1544	9.0	A2	1663	9.1	B9
15	796	9.0	Ko	894	9.8	G5	1019	9.1	Ko	1167	9.5	M	1290	8.6	K2	1414	8.6	Ao	1546	9.1	Ao	1664	9.1	K5
16	797	9.1	F8	896	9.2	Ao	1023	8.8	A7	1171	9.1	Ao	1291	8.6	B3	1416	9.0	Mo	1547	8.8	Go	1665	9.4	K
17	798	8.4	Ko	899	9.3	G5	1024	9.4	K2	1175	8.9	Ao	1294	9.2	Go	1422	8.8	K5	1550	9.2	G5	1667	9.0	A2
18	799	8.8	Fo	902	8.9	A5	1026	9.0	B2	1176	9.2	B9	1296	9.1	Go			A	1553	9.4	A3	1668	9.5	M
19	801	9.2	Ao	903	9.1	K7	1027	9.0	Ao	1182	9.7	F8	1300	8.8	F8	1431	9.1	B5	1554	9.1	B8	1669	9.2	B8
20	802	8.8	G5	904	8.6	K5	1032	8.9	B8	1183	9.3	Ko	1302	8.6	K2	1435	8.9	G5	1555	8.6	N	1672	8.5	G
21	803	9.7	F5	905	9.3	K2	1034	9.4	G	1188	9.5	K	1304	9.2	Ko	1438	8.8	G5	1557	9.4	Ao	1675	8.4	F8
22	804	8.6	Bo	906	9.0	Go	1039	9.4	B2	1189	8.5	K5	1307	7.9	K5	1439	9.2	Ao	1558	8.4	Ao	1677	9.6	A2
23	805	8.9	A3	908	9.1	G5	1041	9.4	F8	1190	8.6	K5	1312	9.2	G5	1440	8.9	Fo	1559	9.0	F2	1678	9.5	A
24	806	8.7	B2	912	9.1	K7	1044	9.2	Go	1191	8.8	Ko	1320	8.9	Ao	1445	8.6	B	1566	9.1	G5	1679	8.5	B3
25	807	8.6	Bo	913	8.8	K5	1048	9.1	F	1192	9.0	K2	1321	9.1	A7	1448	9.2	K2	1567	9.7	K	1681	9.0	Ko
26	808	9.2	K2	923	9.0	Ko	1050	9.5	Ko	1193	8.8	F2	1322	8.6	K7	1449	9.1	B8	1568	9.5	Mo	1683	8.9	Ko
27	809	9.0	K7	928	8.8	Ko	1051	9.0	Ao	1195	9.1	F8	1323	9.2	F5	1451	8.7	Mo	1569	8.6	K7	1687	8.6	K7
28	811	9.1	F5	929	8.6	K2	1055	8.6	Ko	1196	8.8	K5	1324	8.6	Ko	1452	8.7	F8	1570	8.9	Ao	1689	8.7	K7
29	813	8.6	K7	931	8.9	K5	1065	9.0	A2	1198	8.9	F8	1325	8.9	Ao	1453	8.8	F5	1579	8.2	M2	1690	9.2	G5
30	814	8.5	Ko	933	8.8	K5	1066	8.8	K2	1200	9.3	F5	1327	9.0	G5	1454	8.8	A7	1580	9.0	F8	1691	9.5	B8
31	815	8.5	K7	936	8.7	Ko	1072	9.2	Ao	1201	8.0	Mo	1331	8.9	Ko	1461	9.0	K5	1581	9.2	K7	1698	8.6	F5
32	816	8.6	Ko	937	9.0	A5	1075	8.5	K2	1204	8.9	K5	1337	8.8	K2	1466	9.4	A	1583	8.9	F5	1699	8.8	A3
33	820	8.5	Ko	938	8.9	A2	1077	9.5	B9	1207	8.8	B9	1339	9.2	K2	1471	8.6	A7	1584	9.4	Ao	1700	8.7	F8
34	824	9.6	B	940	9.2	Ao	1083	8.9	Ko	1209	9.5	B8	1341	8.9	F2	1472	8.6	K5	1588	9.4	K	1701	9.6	K7
35	827	9.1	A3	945	9.0	G5	1084	9.2	Go	1210	8.6	K5	1342	9.0	A5	1474	8.8	Fo	1590	8.6	F5	1702	8.7	A5
36	829	9.4	Fo	946	9.0	K2	1085	8.7	Fo	1212	9.0	K5	1344	9.4	Ko	1476	8.6	Go	1591	8.8	Go	1703	9.0	A2
37	830	8.9	B5	947	8.8	Ao	1091	9.5	F2	1216	8.5	Ao	1346	9.5	F	1477	8.8	F8	1594	9.0	Go	1704	...	K2
38	831	8.6	B5	952	8.5	A7	1095	9.1	K5	1219	9.6	M	1350	8.9	Ko	1481	9.3	G5	1597	9.3	K5	1705	9.0	Ko
39	833	9.2	Ko	954	9.4	A2	1098	8.9	K5	1221	9.3	A	1352	8.9	Go	1483	8.4	K2	1598	9.2	K5	1709	8.8	Mo
40	834	9.1	Ko	955	9.0	B5	1100	9.2	K5	1222	9.2	G5	1355	8.9	Ko	1486	9.3	K7	1602	8.7	A3	1710	9.2	Ao
41	835	7.9	Ko	956	9.0	A3	1105	9.3	Ao	1224	9.0	Ko	1359	9.3	G5	1488	8.2	Ko	1603	8.8	A7	1711	9.0	B9
42	837	9.1	K5	957	9.2	K5	1113	8.8	K5	1228	8.5	Ao	1364	9.1	Mo	1491	9.4	A5	1606	8.8	M4	1714	8.9	B8
43	838	9.0	B9	958	8.9	A3	1114	9.2	B9	1229	8.4	B8	1365	8.6	G5	1493	9.4	F8	1607	8.4	K5	1715	9.0	A7
44	839	9.3	Ko	959	8.7	K2	1115	9.5	A5	1230	9.3	K2	1369	9.4	A5	1494	8.7	Go	1609	8.6	Ko	1719	8.8	Mo
45	840	8.8	Go	966	9.4	G5	1116	8.8	B8	1231	9.0	K7	1372	9.1	K	1497	8.8	K2	1615	9.5	F5	1720	8.4	Go
46	841	9.4	Ao	971	8.6	Ko	1118	9.2	K5	1233	8.8	A3	1373	9.1	Fo	1498	9.4	F5	1616	8.9	A2	1724	9.5	A
47	847	8.0	Ko	972	8.8	Ko	1119	8.8	A2	1234	9.1	F8	1374	8.9	Ko	1508	8.5	F5	1622	8.8	Ko	1725	9.0	Ao
48	851	8.7	K7	973	9.2	Mo	1120	9.0	K5	1238	9.4	M	1376	9.0	A2	1512	9.0	A7	1623	8.7	K5	1728	9.2	K7
49	857	8.9	F8	974	8.6	Mo	1121	9.4	A2	1242	8.8	K2	1377	9.2	A	1519	9.0	B5	1624	9.3	Ao	1729	9.0	B9
50	860	8.8	Mo	976	8.6	K5	1122	8.8	B9	1244	9.1	Ko	1378	9.4	A	1520	9.0	Go	1628	8.7	F5	1732	8.5	K2

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	1734	9.2	A5	1832	8.9	B9	1936	9.1	Ao	2036	8.8	B8	2142	8.2	K5	2261	8.8	K5	2403	9.1	Ko	2522	9.1	G5
2	1736	8.9	Ao	1833	8.7	G5	1938	9.2	Ao	2037	8.9	F8	2143	9.0	A2	2263	9.2	Go	2404	9.0	K2	2523	8.8	K7
3	1737	8.8	A2	1834	8.8	F5	1940	8.8	Ao	2041	8.0	K5	2149	9.5	F5	2265	9.4	K7	2407	8.7	Ko	2524	8.9	K2
4	1738	8.7	G5	1839	8.9	Go	1941	8.7	Ko	2043	9.3	F2	2150	8.8	K5	2266	9.2	F5	2408	9.4	K5	2527	8.8	K7
5	1739	9.0	K2	1840	9.4	A	1942	9.1	Ao	2044	9.2	Fo	2152	9.2	A	2267	9.2	K5	2409	8.8	K7	2531	8.8	Ko
6	1740	9.7	Ao	1842	9.2	A	1944	8.5	Ko	2045	8.9	K2	2154	9.0	G	2270	9.0	K7	2411	8.9	F2	2534	9.4	Ao
7	1742	9.5	K5	1845	8.6	Mo	1945	8.4	K5	2048	9.2	B9	2156	9.0	F2	2272	9.0	K2	2414	8.6	G5	2536	8.9	F8
8	1745	9.0	Ao	1847	8.9	K7	1950	9.0	A3	2050	9.6	A	2160	9.2	Ao	2273	9.1	Mo	2415	9.5	K2	2540	8.8	Mo
9	1746	9.3	G5	1848	9.1	A	1955	9.2	Go	2051	9.1	K5	2162	9.4	Fo	2278	9.1	A2	2416	9.1	K5	2546	9.2	A2
10	1747	8.4	B9	1849	8.8	A	1956	8.4	A3	2052	8.9	Ko	2164	9.5	K7	2289	9.6	Ao	2418	8.8	Ko	2549	9.3	A5
11	1749	8.8	Go	1853	9.0	Ao	1957	8.8	K5	2053	9.1	Ko	2166	8.7	G5	2290	9.4	F2	2422	8.8	A7	2553	9.1	Go
12	1751	9.2	F8	1856	8.0	K5	1961	9.4	F5	2058	8.4	K5	2167	8.8	K7	2297	9.5	K7	2424	9.2	F8	2555	9.0	F5
13	1752	8.9	Ko	1857	9.0	Ao	1962	9.3	F	2059	9.1	Fo	2170	9.4	G	2298	9.2	F5	2426	9.0	Ko	2556	9.3	Go
14	1753	9.2	A3	1858	9.0	A3	1964	8.9	K5	2060	8.7	G5	2171	8.7	K2	2299	8.7	Ko	2429	9.0	Go	2562	8.8	Ko
15	1755	8.8	F5	1859	9.1	B8	1966	9.4	A3	2061	8.2	Ko	2172	9.8	A	2300	9.0	Go	2431	8.9	Ko	2563	8.8	G5
16	1756	9.4	Ao	1860	8.8	K7	1967	8.8	K5	2062	8.5	F8	2174	8.8	K5	2306	8.8	Fo	2432	8.9	G5	2564	9.5	K5
17	1757	9.0	K2	1861	9.2	Fo	1968	8.9	A5	2064	9.2	K5	2177	9.2	A2	2307	8.8	Ko	2435	9.2	K2	2565	9.0	K2
18	1758	9.2	F8	1863	8.9	B8	1969	9.0	A5	2065	9.4	G5	2187	9.2	Ao	2310	8.9	Ko	2438	8.4	Ko	2567	9.4	G5
19	1761	8.7	Ko	1864	8.5	A7	1970	8.2	K2	2066	9.6	K7	2188	9.0	Go	2311	9.0	Ko	2443	9.2	K7	2573	8.6	Go
20	1763	9.2	K7	1865	8.8	G5	1973	8.8	Fo	2074	8.9	Go	2189	9.1	F5	2317	9.1	K5	2446	8.4	K2	2575	9.2	F5
21	1766	8.2	Mo	1866	9.0	B	1976	8.9	Mo	2075	8.8	K7	2190	9.2	Ko	2319	9.3	A3	2454	8.4	K5	2577	9.2	G5
22	1767	9.1	G5	1869	9.1	Ao	1978	9.0	Ko	2076	9.2	G	2191	9.5	A3	2321	9.2	F5	2455	9.3	A5	2580	9.4	Ko
23	1770	9.0	B9	1873	8.9	A2	1979	8.4	A3	2079	8.8	K5	2193	9.0	A2	2326	9.2	K5	2457	8.8	G5	2582	8.4	Ko
24	1771	8.8	G5	1876	9.0	G5	1980	9.4	Go	2080	9.2	Ko	2198	9.6	F8	2327	9.0	Ko	2458	9.1	Go	2587	8.8	K2
25	1773	8.9	A3	1878	9.0	B5	1982	9.2	A7	2082	9.3	A	2199	8.8	F2	2335	9.3	A5	2459	8.5	Ko	2588	8.5	K2
26	1774	8.9	B9	1879	9.4	G5	1983	8.9	K5	2083	9.2	A	2200	9.8	F	2337	9.2	Fo	2463	9.6	Ko	2591	9.4	Go
27	1775	9.4	Mo	1884	9.0	B5	1989	8.9	A	2084	8.2	K5	2202	9.1	Go	2341	8.8	A7	2464	8.9	A5	2593	9.0	Ko
28	1776	8.4	G5	1891	9.0	A2	1990	9.4	F	2086	8.6	K2	2207	9.0	G5	2344	9.0	K7	2465	9.0	Go	2599	8.9	A7
29	1783	8.2	K5	1893	8.5	K7	1991	9.3	A	2091	9.0	A2	2208	8.9	K2	2346	8.8	K5	2467	8.8	K5	2611	9.1	G5
30	1786	9.2	A2	1894	8.8	Bo	1997	8.4	Go	2092	8.6	K7	2210	9.2	F5	2349	9.1	F8	2468	9.1	Fo	2612	9.3	Ko
31	1787	9.3	Go	1895	8.3	K2	1998	8.5	A2	2094	8.8	F5	2213	9.2	F8	2355	8.3	K2	2471	9.1	F8	2613	8.7	K5
32	1788	9.0	B	1896	9.0	Go	1999	8.8	Mo	2097	9.0	F5	2215	9.5	Mo	2357	9.0	Go	2472	9.0	Ko	2617	9.0	G5
33	1789	9.0	B8	1897	9.2	A5	2001	9.0	Go	2106	9.0	G5	2216	9.3	F8	2358	8.9	K2	2473	9.0	F8	2621	8.8	Fo
34	1793	9.1	F8	1899	8.8	Ko	2002	8.6	F8	2107	9.2	K	2220	9.3	B9	2359	9.0	Ao	2478	8.6	K7	2625	8.0	K5
35	1797	9.0	Go	1900	8.8	A7	2003	8.6	K2	2108	8.8	G5	2222	9.2	Ko	2361	8.9	G5	2485	8.8	G5	2626	9.2	G5
36	1798	9.4	B5	1912	9.5	A7	2006	9.3	G5	2109	8.9	G5	2223	9.5	F8	2365	9.0	G5	2487	8.9	Ko	2629	8.6	K2
37	1810	9.0	Go	1913	8.4	B3	2009	8.9	K5	2111	8.7	Ko	2225	9.4	A5	2368	9.0	Ao	2491	9.6	K7	2632	9.0	K2
38	1811	9.2	Ko	1914	9.2	G5	2012	9.0	Go	2112	8.9	K5	2226	9.1	A3	2371	9.3	Ao	2496	9.4	A	2633	8.7	Ko
39	1812	8.5	B3	1918	9.4	A	2015	9.1	G5	2117	9.2	G	2231	9.2	G5	2372	9.2	F5	2498	9.0	K5	2637	8.9	Ao
40	1813	9.2	B9	1919	9.2	F5	2016	9.2	A	2118	8.6	K5	2232	8.6	K7	2376	8.6	Ko	2500	9.1	A7	2639	9.0	K7
41	1814	9.7	K	1921	9.0	A5	2017	8.9	Go	2119	8.9	Fo	2234	9.5	K5	2377	9.0	K2	2502	8.6	Go	2641	8.8	Ko
42	1817	9.2	G5	1922	9.0	A7	2018	8.7	K2	2121	8.9	G5	2237	8.8	Ko	2378	8.9	K7	2504	8.6	Ao	2646	9.2	G5
43	1818	9.4		1923	8.4	K2	2020	9.5	F2	2123	9.2	Ao	2239	9.2	Ko	2380	8.9	Fo	2505	9.2	Go	2650	9.2	F
44	1821	8.5	G5	1924	8.6	K5	2026	8.8	G5	2128	9.0	F2	2243	9.2	A	2383	8.9	Ko	2506	9.2	K7	2653	9.2	G5
45	1825	8.2	K7	1925	9.2	A3	2028	8.9	Fo	2129	8.9	Go	2244	9.2	F2	2386	8.8	K2	2507	9.1	Fo	2654	8.6	K2
46	1826	8.9	Ao	1926	8.6	Go	2029	9.2	Ao	2130	8.9	K2	2247	8.9	Ko	2388	9.5	F8	2512	9.0	Fo	2656	8.8	A2
47	1827	9.0	B	1927	8.6	K2	2030	8.5	G5	2131	8.9	K5	2249	9.1	Mo	2389	9.1	Fo	2514	8.9	A5	2658	8.9	Mo
48	1828	8.7	K5	1930	8.5	Ko	2031	9.2	Go	2133	8.6	Ko	2253	8.8	K7	2392	9.2	Go	2516	9.4	Go	2660	9.4	F5
49	1829	8.8	F2	1931	8.6	B	2032	9.0	K7	2134	9.0	Ao	2258	9.4	Mo	2394	9.0	K7	2517	9.4	G5	2661	8.7	F8
50	1830	9.0	K5	1935	9.1	Ao	2035	8.7	K5	2136	9.2	A5	2259	8.4	Ko	2402	9.0	K7	2520	9.3	A5	2662	8.8	K5

$+50°$ to $+55°$

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233300 233500 $6^h\ 46^m.2$ to $9^h\ 56^m.3$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	2663	9.0	K2	2761	8.6	Ko	2867	8.8	K2	2947	9.3	Go	3066	9.3	F8	3185	9.4	K7	3303	9.3	K5	3422	9.6	Ko
2	2664	9.0	G5	2762	8.6	Go	2868	9.4	G	2948	9.0	F8	3067	9.2	Ko	3186	9.0	Ko	3305	9.2	Go	3424	8.4	F5
3	2666	9.0	Ko	2764	8.7	F5	2869	9.4	F2	2850	8.6	K5	3068	9.2	Ko	3190	8.4	Ko	3312	9.4	F8	3425	9.3	Ko
4	2667	9.0	F8	2765	8.8	Ko	2871	8.2	K5	2953	8.8	K2	3070	9.1	K5	3191	8.6	K2	3313	9.5	K5	3427	9.3	Go
5	2668	8.4	F2	2766	9.4	A5	2873	9.1	Go	2955	9.1	F5	3078	9.5	K5	3194	9.2	K5	3315	9.0	G5	3429	9.4	Go
6	2669	9.4	G	2767	9.2	Ko	2874	8.8	A7	2956	8.6	Go	3080	9.0	Go	3197	9.6	F5	3317	9.0	F5	3430	8.9	F5
7	2670	8.8	G5	2770	8.8	K2	2875	9.4	Go	2958	9.6	G5	3082	9.1	Go	3198	9.5	G	3321	9.3	G5	3431	9.3	Ao
8	2672	9.1	K2	2773	9.2	K2	2877	8.9	Go	2961	8.8	K5	3085	9.4	F8	3202	9.0	Ko	3323	9.2	G5	3433	8.8	Ko
9	2677	8.8	G5	2776	9.4	Ko	2879	9.0	K2	2964	8.4	M2	3086	9.0	K2	3203	9.3	Ao	3324	8.9	F8	3434	8.9	F5
10	2680	8.7	K2	2777	9.0	K7	2880	9.1	Go	2968	9.0	Ko	3087	9.0	Ko	3205	9.0	G5	3326	8.9	Ko	3436	9.8	G5
11	2682	9.0	F5	2779	9.2	G5	2881	9.0	F5	2969	8.9	F5	3088	9.6	F8	3206	9.0	Go	3327	9.0	Ko	3439	8.8	F8
12	2687	9.0	F5	2782	9.2	Ko	2882	9.1	Fo	2970	9.2	F5	3092	8.8	Go	3207	8.8	Ko	3328	9.1	K7	3441	9.2	K7
13	2689	8.9	F8	2783	9.8	A5	2883	9.0	K5	2971	9.4	G	3095	9.3	F5	3208	8.8	K2	3337	9.3	Go	3443	9.1	G5
14	2691	9.8	G5	2785	9.2	A5	2884	8.8	Go	2972	9.6	F5	3101	9.3	G	3209	8.8	K2	3341	8.9	F5	3453	9.2	K5
15	2692	9.3	Go	2786	9.0	F5	2885	8.4	Ko	2973	9.2	K5	3102	9.0	Mo	3210	8.5	Go	3342	9.4	Mo	3454	8.9	F5
16	2693	8.8	G5	2787	9.1	K2	2887	8.6	K5	2978	9.4	K5	3104	9.0	Go	3211	8.9	Go	3346	9.6	K5	3455	9.0	Go
17	2695	8.6	A5	2789	8.8	Go	2890	9.2	F5	2979	9.1	K5	3105	9.1	K2	3213	8.8	Go	3347	9.0	G5	3456	9.0	F5
18	2696	9.0	Go	2794	9.0	K2	2891	8.5	G5	2980	9.2	Go	3107	9.2	K2	3214	8.4	K5	3349	9.2	K5	3458	9.8	G5
19	2699	9.3	K2	2797	9.0	Ko	2893	9.2	F5	2982	8.6	K5	3108	9.2	Fo	3215	9.2	Ko	3352	9.0	Ko	3462	9.4	Ko
20	2708	8.9	K5	2798	9.2	Go	2894	9.2	Ko	2983	9.1	F8	3109	8.8	Ko	3219	9.4	K2	3355	8.7	F8	3464	8.8	Mo
21	2709	9.4	F2	2799	8.8	K2	2896	8.3	F8	2984	8.8	Go	3110	9.0	F2	3221	9.0	K5	3359	9.3	K7	3468	8.6	Ko
22	2711	9.0	A7	2800	9.3	Ko	2899	8.7	G5	2985	9.2	Go	3113	9.2	G5	3223	9.0	F5	3361	9.0	B	3471	9.4	F5
23	2712	8.9	F2	2808	8.9	Ko	2900	9.1	Ko	2988	9.0	Go	3115	9.6	K5	3226	9.0	F8	3364	9.0	Go	3475	9.3	K2
24	2713	8.8	Ko	2810	9.0	Ko	2901	8.6	K2	2991	8.8	Go	3116	8.8	K5	3227	8.6	Ko	3371	8.8	K2	3476	9.2	F5
25	2714	9.4	K2	2813	9.4	G5	2902	8.8	K2	2996	9.2	M1	3124	9.2	Ko	3231	9.3	Go	3372	9.2	G5	3478	9.7	K
26	2716	9.4	A5	2814	9.1	F8	2903	8.1	K2	2997	8.7	K5	3127	9.1	F8	3234	9.2	G5	3374	9.6	G5	3481	9.1	F8
27	2719	8.8	G5	2816	8.5	K5	2904	9.1	Go	2999	8.9	K7	3128	9.0	F8	3239	8.9	Go	3375	9.4	K2	3483	9.4	Go
28	2720	9.0	Go	2819	9.1	F2	2907	9.0	K2	3001	9.2	K5	3130	9.2	G5	3240	9.2	Go	3379	8.8	G5	3488	9.1	F8
29	2721	9.4	G5	2821	8.9	K5	2909	8.9	Ko	3003	9.3	F8	3131	9.1	Ko	3241	9.2	Go	3381	9.3	F8	3493	9.0	G5
30	2722	9.2	Ao	2826	8.8	K5	2910	9.0	K2	3004	9.2	G5	3134	9.1	G5	3242	9.2	G5	3385	9.4	F2	3499	9.6	F8
31	2724	9.1	Go	2830	9.0	K7	2914	8.7	F8	3006	9.0	K2	3136	8.4	F2	3245	...	G5	3386	9.5	K7	3500	8.8	K2
32	2725	8.7	K7	2831	9.4	A7	2915	9.0	Go	3011	9.2	F2	3140	9.0	F2	3246	7.6	Ko	3389	9.6	K5	3501	8.6	F8
33	2727	9.0	F2	2833	8.8	K7	2916	8.6	Mo	3013	9.5	F2	3142	9.4	G5	3249	8.9	K2	3391	9.7	G5	3503	8.7	K7
34	2732	8.8	G5	2838	9.1	F8	2917	8.4	K5	3014	9.6	G5	3146	8.7	A2	3250	8.6	K5	3394	9.4	G5	3506	8.8	K5
35	2733	8.6	Mo	2839	8.9	Ko	2918	9.0	Go	3016	9.4	F8	3148	9.0	Go	3252	9.0	Ko	3395	9.2	Go	3508	8.6	Mo
36	2734	8.9	F8	2840	8.6	K7	2919	9.1	F5	3017	9.1	F5	3149	8.7	K7	3254	9.5	M1	3396	9.0	K2	3509	9.6	F8
37	2735	9.4	F5	2841	8.8	Ko	2924	9.9	F	3019	9.2	K5	3150	8.8	Ko	3258	8.8	G5	3397	8.9	K5	3510	8.6	G5
38	2740	8.7	G5	2843	9.1	G5	2927	8.8	G5	3025	8.2	K7	3153	9.4	Ko	3260	9.2	Ko	3398	9.5	G5	3517	9.4	K
39	2741	8.7	Ko	2844	8.9	K2	2928	8.9	K2	3027	8.5	K7	3154	9.9	Ko	3268	9.0	Go	3399	9.0	K2	3518	8.8	F5
40	2742	8.8	G5	2845	9.0	K2	2929	8.0	G5	3028	8.5	K2	3155	9.2	Ko	3270	9.0	F5	3403	9.0	Go	3521	9.4	Go
41	2744	8.7	K2	2848	8.6	Ko	2931	8.6	K2	3030	9.3	Go	3159	9.4	F5	3274	8.5	Ko	3404	8.9	Go	3522	9.3	Ao
42	2746	8.4	F5	2851	9.2	Mo	2933	8.2	Ko	3031	8.9	K5	3168	9.4	F5	3275	9.7	K	3405	9.1	G5	3529	9.1	G5
43	2747	9.1	Ko	2852	9.0	Mo	2935	9.1	F8	3033	9.2	G5	3171	9.0	K7	3279	9.0	G5	3406	9.2	K2	3530	9.5	F5
44	2749	9.0	Ko	2855	9.3	G	2936	9.1	K2	3035	8.9	Ko	3172	9.0	Ko	3282	9.4	Go	3407	8.8	K7	3531	8.6	K2
45	2750	8.6	Go	2856	9.2	F8	2937	9.2	K7	3040	8.8	Ko	3174	9.2	G5	3287	8.8	K5	3408	9.2	A2	3532	9.4	F5
46	2751	9.2	F8	2857	9.0	F2	2939	9.4	Ao	3042	9.2	Fo	3175	9.1	F2	3288	9.2	F2	3409	9.0	K5	3536	8.8	Go
47	2753	9.4	K7	2858	8.7	G5	2941	9.4	F8	3045	9.6	K	3176	9.3	G5	3290	8.9	Go	3411	9.4	K	3544	9.3	G5
48	2756	9.0	G5	2859	9.0	A3	2942	8.6	Go	3052	9.0	G5	3178	9.3	Ko	3293	9.0	G5	3412	9.0	K5	3546	8.9	F2
49	2758	9.2	G5	2862	9.0	F8	2944	8.9	G5	3062	9.4	K	3182	8.9	K2	3296	9.0	K2	3416	8.8	F8	3552	9.1	Ko
50	2759	9.1	A3	2864	9.0	Fo	2946	9.0	G5	3064	9.4	F5	3184	8.7	Ko	3299	9.4	K7	3421	9.1	A5	3554	8.9	Go

$+50°$ to $+55°$

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233700 233900 $9^h\ 56^m.4$ to $13^h\ 57^m.4$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	3556	8.9	Ko	3672	8.6	K7	3776	9.0	F8	3895	9.4	F	4003	9.0	Ko	4094	9.7	K7	4183	9.4	Ko	4302	9.0	G
2	3557	9.0	K2	3674	9.0	Go	3779	9.0	Ko	3897	9.1	Ko	4004	9.4	K	4098	9.0	G5	4189	9.2	G5	4309	9.0	F5
3	3558	9.2	Ko	3677	9.0	Go	3781	8.4	Ko	3900	9.4	Ko	4005	9.0	Go	4103	9.2	F8	4192	8.8	Go	4313	9.2	F5
4	3559	9.4	Go	3678	9.5	G	3783	9.2	K5	3903	9.2	K2	4007	9.3	G5	4105	9.4	K5	4193	9.0	F2	4324	8.7	K2
5	3564	8.6	K2	3679	8.6	A7	3785	9.0	Ko	3906	8.6	G5	4009	9.3	G	4106	9.4	G5	4196	8.6	Ko	4327	9.0	G5
6	3567	9.4	Go	3681	8.5	K7	3786	8.9	K2	3908	9.1	Fo	4010	8.4	Go	4107	8.9	K5	4197	9.0	F8	4331	9.6	G5
7	3568	9.2	K5	3682	9.5	F8	3789	9.4	K2	3910	9.4	Go	4017	9.2	Ko	4108	9.8	G5	4199	8.7	F8	4338	9.3	Go
8	3569	8.8	K2	3686	9.6	Go	3792	9.5	Go	3911	9.0	G5	4020	8.2	F5	4109	9.3	Go	4207	9.2	K2	4341	9.4	Mo
9	3575	9.4	G	3690	9.4	M3	3793	9.3	F5	3913	9.1	F8	4021	9.1	Go	4110	8.9	Ko	4210	9.2	G5	4343	9.0	Ko
10	3576	9.0	F8	3692	9.4	Ko	3796	9.2	F2	3914	9.1	G	4022	9.1	G5	4111	9.1	Ko	4212	9.3	Ko	4344	9.1	K5
11	3578	9.2	K2	3693	9.1	K2	3798	9.0	K7	3915	8.9	Ko	4023	9.0	Ko	4112	8.9	F8	4213	9.3	G5	4345	9.0	Go
12	3579	9.4	F5	3697	9.1	Go	3803	9.5	Go	3917	9.1	G5	4027	9.0	Fo	4113	8.7	K5	4215	9.0	G5	4346	8.9	K2
13	3580	9.4	Go	3698	9.3	Fo	3807	9.0	K2	3919	9.2	Go	4031	9.3	F8	4114	9.0	F2	4216	8.9	K2	4348	9.0	Ko
14	3581	8.8	K7	3699	9.5	F8	3812	8.9	K2	3920	9.2	F8	4032	9.2	Ko	4115	9.6	Ko	4217	8.9	K2	4351	9.4	K5
15	3583	9.2	F8	3701	9.2	G5	3813	9.2	K7	3922	8.9	K5	4033	9.3	G5	4116	9.3	F2	4221	9.2	G5	4352	9.2	G5
16	3588	9.0	G5	3702	9.4	G5	3814	9.4	G5	3924	9.0	Go	4035	9.1	Go	4118	9.0	Go	4225	8.9	Go	4355	9.0	K7
17	3589	9.1	Go	3704	9.2	Fo	3816	9.4	K2	3925	9.3	Ko	4036	9.0	Ko	4120	9.3	Ko	4226	9.1	K7	4357	9.1	F8
18	3590	9.2	Go	3706	8.9	Go	3817	9.1	F5	3928	9.0	G5	4037	9.4	G5	4122	8.5	Ko	4227	9.0	F5	4360	9.2	Go
19	3592	9.0	K5	3709	9.0	Go	3818	9.1	Go	3932	9.7	G	4039	9.3	Go	4124	9.3	Go	4229	9.2	G5	4361	9.5	F8
20	3593	7.9	Ko	3710	9.1	G5	3820	9.0	Ko	3933	8.8	K5	4040	9.4	F8	4125	9.6	Ko	4231	9.2	G5	4364	9.2	K7
21	3594	9.4	F8	3711	9.2	Go	3828	8.8	F8	3935	9.0	F5	4042	9.0	Mo	4127	9.4	F8	4232	9.5	Go	4366	9.1	Go
22	3599	9.1	G5	3712	9.4	F	3830	9.1	K2	3937	8.9	G5	4045	9.4	Ko	4128	8.9	G5	4234	8.9	Ko	4370	9.4	K7
23	3600	9.3	F5	3716	9.2	Go	3832	9.0	Ko	394c	9.5	K	4047	9.4	Ko	4129	8.8	Ko	4238	9.1	F5	4371	9.3	F8
24	3601	9.0	Ko	3721	8.7	K7	3834	9.2	F2	3942	8.9	G5	4050	9.3	G5	4130	9.2	Go	4246	8.8	A5	4376	9.0	K2
25	3614	9.4	F8	3723	8.9	K2	3839	9.6	K	3944	9.3	F5	4053	9.5	G	4131	9.2	K2	4248	8.6	K5	4378	9.0	G5
26	3615	9.1	Go	3724	9.0	K5	3843	9.0	G5	3945	9.3	F8	4054	9.3	Go	4132	8.9	Ko	4251	8.9	Ko	4380	9.0	Ko
27	3616	9.2	G5	3725	9.4	G5	3844	9.2	F8	3948	9.2	K5	4055	9.0	F5	4136	9.0	Go	4253	9.2	K2	4382	9.5	Go
28	3617	8.8	F8	3727	9.2	F8	3845	8.9	F8	3949	9.1	K7	4056	9.2	Go	4137	9.0	K5	4254	9.2	Fo	4383	8.8	K5
29	3618	9.2	F2	3728	8.8	Go	3846	9.2	F5	3952	9.2	F8	4057	9.0	Mo	4138	9.2	Go	4255	9.0	Ko	4386	9.0	Go
30	3621	9.3	G5	3729	9.2	K2	3850	9.4	F8	3953	9.4	F8	4058	8.8	Mo	4143	9.1	F8	4260	9.1	F5	4387	8.8	F5
31	3622	9.3	G5	3731	9.0	Ko	3856	9.6	G5	3958	9.6	Ko	4059	8.7	F8	4146	9.3	Ko	4266	9.3	Go	4388	9.8	F5
32	3623	9.2	K2	3735	8.9	Ko	3857	9.1	Go	3959	8.9	K5	4061	9.2	Ko	4148	9.2	F5	4267	9.2	K5	4389	9.0	F8
33	3624	8.4	Ko	3737	8.9	A5	3860	9.6	G5	3961	9.0	K7	4062	9.3	K5	4150	9.2	Go	4268	9.4	K5	4393	8.9	F8
34	3630	9.2	Ko	3738	8.8	G5	3862	9.7	K5	3965	9.5	Ko	4065	9.2	F8	4152	8.9	Ko	4273	9.4	Ko	4395	9.3	K2
35	3634	9.0	G5	3739	9.1	Go	3863	8.7	A5	3966	8.9	K2	4066	9.3	K5	4153	9.4	G5	4274	8.9	K2	4396	9.2	Ko
36	3639	9.6	K	3740	9.0	K7	3864	8.8	Ko	3968	9.5	M	4067	9.1	Ko	4154	9.2	G5	4276	8.8	K5	4397	8.8	Go
37	3640	9.2	K	3745	9.4	Ko	3865	8.8	Go	3970	9.2	Go	4068	9.5	F5	4155	9.2	G5	4277	9.1	K2	4399	10.2	K7
38	3641	9.3	G5	3747	8.8	K2	3866	8.8	Go	3971	8.6	Go	4070	9.1	K5	4159	9.0	G5	4279	8.9	Ko	4400	9.5	K5
39	3643	9.2	Go	3751	9.1	Go	3867	8.9	A7	3972	9.4	G5	4072	9.4	G5	4161	9.2	Go	4280	9.4	G	4402	9.0	Ko
40	3645	9.3	Go	3752	8.8	Ko	3868	9.4	K	3973	9.0	G5	4074	9.2	Go	4162	9.0	Go	4281	9.3	F8	4403	9.0	Go
41	3655	9.2	Ko	3753	9.1	B9	3872	8.8	F2	3974	8.5	G5	4075	9.3	F5	4165	9.0	Go	4282	9.0	F2	4405	8.6	G5
42	3656	8.2	A7	3756	8.6	G5	3873	8.9	F8	3978	9.1	F8	4076	9.4	K5	4166	9.4	K7	4284	9.4	Ko	4406	8.6	G5
43	3658	9.1	Ko	3757	9.1	Ao	3875	9.6	F8	3979	9.2	Fo	4078	9.0	Ko	4167	9.8	G	4287	9.1	Go	4410	9.1	G5
44	3659	8.7	Ko	3758	8.8	G5	3876	8.6	K5	3980	9.4	Go	4080	9.3	G5	4174	9.2	Go	4289	9.3	G5	4411	8.9	G5
45	3662	8.9	F5	3765	8.9	F8	3878	9.4	F8	3982	9.2	Ko	4081	9.8	Go	4175	8.9	K7	4291	9.2	G5	4415	8.6	Go
46	3663	9.0	K2	3767	9.3	G5	3882	8.9	Go	3983	9.1	K5	4082	8.8	K2	4176	9.0	F5	4293	9.7	G	4416	8.8	F5
47	3664	9.3	F2	3769	9.6	Go	3883	9.2	Go	3993	8.8	K5	4084	9.5	Go	4178	9.2	K5	4295	9.0	F8	4419	9.2	Go
48	3666	9.0	K5	3770	9.0	F5	3887	9.1	Go	3996	8.8	Mo	4085	9.4	G5	4180	9.3	Ko	4296	9.1	Go	4420	8.9	Ko
49	3669	9.4	G5	3772	8.6	K5	3891	9.8	K	3997	8.7	K2	4087	8.6	Ko	4181	9.1	K5	4297	9.1	K2	4423	9.0	Go
50	3670	9.0	Go	3774	9.1	G	3894	9.9	F8	3998	8.8	F5	4090	9.3	Go	4182	9.3	G5	4300	9.3	Go	4428	9.7	G

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	4429	9.1	Go	4552	9.1	K2	4671	9.1	Go	4811	9.0	Ko	4971	9.4	Go	5084	9.0	Go	5179	9.7	F8	5282	8.8	F5
2	4431	8.6	K7	4553	9.8	F8	4672	9.3	Mo	4813	9.2	F2	4977	9.2	G5	5087	8.7	Ko	5181	8.9	M3	5285	9.2	A7
3	4432	9.1	Ko	4554	9.0	Fo	4676	9.2	G	4818	8.8	Mo	4982	9.7	Go	5088	9.4	K7	5184	9.0	K2	5287	9.0	K5
4	4434	9.0	F8	4556	9.6	Go	4677	8.8	Ko	4820	9.3	K	4986	9.2	F5	5089	8.9	Ko	5186	9.2	F5	5288	9.4	K7
5	4435	7.6	Ko	4559	8.8	K2	4679	8.8	Ko	4825	9.3	K	4987	9.4	Go	5090	9.1	Ko	5188	9.2	K5	5289	9.1	Go
6	4436	9.8	A7	4561	9.0	K2	4681	8.9	F2	4829	9.3	G	4992	9.2	K2	5091	8.7	Ko	5191	9.2	F8	5290	9.6	Go
7	4445	9.4	G5	4562	8.8	K5	4682	9.3	G5	4831	9.0	Ko	4999	9.3	G5	5095	9.3	Ko	5193	9.1	K2	5291	9.6	Go
8	4446	9.0	G5	4563	9.0	K2	4687	9.2	Go	4833	9.2	G	5000	9.2	Ko	5102	9.0	Go	5194	8.9	Mo	5292	9.0	K5
9	4450	9.5	Go	4565	9.0	Go	4690	9.0	K2	4836	9.6	K7	5001	9.3	G5	5104	8.6	Ko	5195	9.2	A7	5293	9.1	F8
10	4451	8.6	G5	4566	9.0	F5	4691	9.4	F8	4838	9.0	K7	5002	9.2	G5	5105	9.2	F8	5199	9.1	Ko	5294	9.7	F5
11	4452	9.1	F8	4567	9.3	K2	4693	9.2	K2	4840	8.9	G5	5004	9.4	F8	5107	9.3	K5	5201	9.0	A5	5295	8.9	F5
12	4458	9.2	Fo	4568	8.9	K2	4697	9.0	Go	4846	8.6	Ko	5010	9.1	G5	5108	9.0	K7	5202	9.0	Go	5301	9.0	Fo
13	4459	9.6	Go	4569	8.9	K5	4699	9.1	Go	4847	9.0	Go	5014	9.4	F8	5109	8.8	K5	5203	8.8	G5	5303	9.5	F8
14	4461	8.6	Go	4572	9.0	K2	4700	9.4	Go	4848	9.0	Go	5019	8.8	Ko	5110	8.8	Go	5204	9.2	F2	5304	8.8	Go
15	4466	9.2	A2	4578	8.9	Ko	4702	9.4	F5	4861	9.8	F2	5020	9.2	K5	5114	8.9	F8	5205	9.4	G5	5307	9.0	G5
16	4468	9.3	F8	4579	8.8	K5	4703	9.1	Ko	4866	9.4	M	5021	9.4	Ko	5115	9.4	F5	5207	9.1	Go	5308	9.1	K5
17	4473	8.9	Ko	4580	8.8	F8	4706	9.0	Go	4868	9.0	G5	5023	8.6	G5	5116	8.4	K7	5209	9.4	Go	5309	9.0	F8
18	4475	9.0	K2	4584	9.2	F8	4707	9.0	K2	4870	8.9	K	5025	9.0	G5	5117	8.8	G5	5215	9.0	F5	5310	9.1	Ko
19	4478	9.2	A7	4590	9.0	Ko	4714	9.6	G	4872	9.1	Ko	5028	8.6	Go	5118	8.7	K2	5216	9.1	F8	5314	9.2	F8
20	4479	9.1	G5	4594	9.5	F5	4715	9.2	A5	4873	9.2	F8	5031	9.1	Go	5120	8.9	F2	5218	8.9	Go	5316	8.8	Ko
21	4481	8.6	A2	4595	9.4	G5	4719	9.2	Go	4874	9.4	Go	5033	9.0	K5	5121	8.8	Ko	5222	9.3	G	5318	8.7	G5
22	4490	9.1	Go	4598	9.1	Ko	4724	8.6	G5	4876	8.6	Ko	5034	9.0	G5	5122	9.2	F8	5223	8.8	Ko	5320	8.9	Mo
23	4491	8.9	Ko	4599	9.3	K5	4740	8.8	Fo	4877	9.2	Go	5035	8.8	Go	5125	9.4	K7	5226	9.0	G5	5321	9.2	G5
24	4494	9.2	G5	4601	9.2	Go	4742	8.6	G5	4879	9.2	Ko	5037	9.0	K5	5126	9.0	G5	5228	8.9	Go	5322	9.1	F8
25	4495	9.1	A3	4603	9.2	Go	4743	8.9	G5	4883	9.1	Go	5038	9.3	Ko	5129	9.4	Mo	5229	9.6	F8	5327	8.9	Go
26	4496	8.9	Mo	4604	8.7	Mo	4747	9.3	Go	4885	8.4	K7	5039	8.8	K5	5131	8.6	Mo	5231	9.1	Mo	5329	9.0	Go
27	4499	8.9	G	4608	8.9	K5	4754	9.0	A7	4891	8.9	K2	5045	9.0	F5	5134	9.0	K5	5233	8.6	G5	5330	8.6	Ko
28	4500	8.9	G	4609	9.2	F8	4757	9.4	Ko	4894	9.0	Go	5046	9.0	G5	5139	9.2	Ko	5234	9.3	Go	5332	9.2	Go
29	4501	8.8	A7	4610	8.8	Go	4761	8.8	K5	4898	9.2	Ko	5049	8.9	Mo	5140	9.6	K	5237	9.2	F8	5333	8.6	F2
30	4502	9.1	F5	4611	8.7	F5	4765	9.0	K5	4900	9.0	K5	5050	9.3	K5	5142	9.1	K2	5238	9.0	Ko	5334	9.0	Ko
31	4508	9.3	Go	4614	9.2	G5	4768	8.7	K2	4902	9.2	K5	5052	9.6	G5	5144	8.8	K2	5239	8.8	Go	5337	9.0	F8
32	4511	8.8	K5	4617	9.0	Fo	4771	9.1	F2	4916	9.0	F8	5053	8.6	Ko	5149	8.2	Go	5240	9.6	K5	5338	9.2	K7
33	4514	9.0	K2	4624	9.1	F8	4773	9.2	F5	4918	9.2	Go	5054	8.9	Go	5152	8.5	F8	5241	9.2	A3	5339	9.0	M3
34	4516	9.0	Go	4625	9.0	Fo	4774	9.0	Mo	4923	9.2	Go	5055	8.1	Ko	5153	8.6	Fo	5246	9.7	K	5341	9.5	G5
35	4518	9.0	K7	4626	9.0	K2	4775	9.1	K7	4924	8.9	G5	5056	9.2	Ko	5156	9.6	M	5248	8.9	G5	5342	9.1	G5
36	4523	9.0	Go	4630	9.6	G	4777	9.2	K5	4925	8.8	K2	5057	9.6	K5	5157	8.2	F5	5251	9.0	Fo	5343	9.2	F5
37	4525	9.2	A7	4633	9.0	Ko	4778	9.2	K	4939	9.1	Mo	5059	8.8	Ko	5160	8.8	F5	5253	9.2	F2	5347	9.1	F5
38	4528	9.2	Kop	4636	8.8	Mo	4782	9.0	K2	4944	9.0	Ko	5060	8.2	Ko	5161	9.5	F5	5255	9.0	F5	5348	9.0	G5
39	4529	9.6	F2	4637	9.1	F8	4783	9.4	G	4946	9.1	K7	5061	8.9	Go	5162	9.1	K5	5257	8.6	Go	5351	9.3	Fo
40	4532	9.4	G5	4642	9.0	F8	4785	8.8	K5	4948	9.4	K2	5063	8.7	A7	5163	8.8	G5	5258	8.6	Ko	5352	8.5	Fo
41	4534	9.6	G	4643	9.3	K7	4787	8.4	Mo	4949	9.4	G5	5064	8.5	Ko	5164	9.3	F8	5260	8.6	M3	5353	8.6	K5
42	4536	9.8	F8	4646	9.1	Mo	4788	9.3	F5	4952	9.5	K5	5065	8.4	K7	5165	8.8	Go	5262	9.0	G5	5354	9.2	K5
43	4538	9.1	G5	4647	8.9	K2	4789	9.0	Go	4954	9.0	Ko	5067	9.4	G5	5166	9.1	Fo	5266	9.6	Mo	5356	8.8	Ko
44	4542	8.9	K5	4651	9.0	F5	4790	9.2	G5	4955	8.8	Ko	5074	9.0	K7	5167	9.0	Go	5268	8.9	Ko	5357	8.7	K7
45	4543	8.7	K5	4653	9.2	G5	4793	8.7	Go	4956	8.9	F5	5075	9.3	Fo	5168	8.5	Go	5269	9.4	F8	5358	8.9	A3
46	4544	9.4	Ko	4656	9.1	Ko	4803	9.5	G	4957	9.1	Go	5076	9.6	K5	5171	9.2	Fo	5271	9.2	Go	5359	9.3	Ko
47	4545	9.2	K2	4660	9.3	G	4804	9.1	K	4959	9.5	M2	5078	8.5	K5	5172	8.6	G5	5272	9.0	G5	5360	8.4	K7
48	4549	8.8	F8	4661	9.0	G5	4805	9.0	K7	4960	9.2	Go	5079	9.0	Ko	5174	9.4	F2	5273	9.6	Ko	5361	8.8	Go
49	4550	9.0	Go	4662	9.4	G5	4806	9.1	K5	4961	9.2	G5	5081	8.6	Mo	5175	9.2	K5	5274	9.1	G5	5362	9.2	K7
50	4551	9.0	G5	4669	8.7	Fo	4810	9.5	K2	4964	9.0	G5	5083	9.0	Ko	5177	9.4	K	5275	9.0	Ko	5363	9.2	K7

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	5367	9.2	K7	5449	9.0	F8	5536	8.6	G5	5615	8.5	K5	5716	9.1	K2	5785	8.8	M2	5863	9.0	F5	5944	9.0	A
2	5370	9.2	Go	5451	9.2	Ko	5538	9.0	K5	5616	8.9	Go	5717	9.2	G5	5786	8.8	G5	5865	8.8	F2	5945	8.9	F5
3	5371	9.0	G5	5453	8.8	Ko	5541	8.6	G5	5617	8.8	Mo	5718	8.8	Go	5787	8.8	A3	5866	8.6	Go	5946	8.8	A5
4	5372	8.9	F5	5455	8.6	Ko	5542	8.9	K5	5619	8.9	K7	5719	8.8	K5	5788	8.9	K5	5867	8.6	Go	5947	8.7	K7
5	5374	9.3	K2	5456	8.5	K7	5543	9.3	G5	5624	9.2	Mo	5721	8.8	Fo	5789	9.3	G5	5868	8.4	Ko	5948	8.9	Fo
6	5376	9.4	A2	5457	8.9	K5	5545	8.9	A3	5625	8.5	K2	5723	8.8	F8	5790	9.4	F8	5869	9.0	A5	5952	8.8	Go
7	5377	9.4	G5	5459	8.2	K5	5548	8.9	Go	5629	8.7	G5	5724	9.2	B9	5792	8.9	K2	5872	9.2	F8	5954	8.8	A3
8	5379	9.4	Ko	5460	9.0	F8	5549	8.8	Ko	5630	9.1	Go	5725	8.7	Mo	5794	8.8	K5	5873	8.6	G5	5955	8.2	K2
9	5381	9.3	G5	5461	9.0	Ao	5550	9.0	G5	5631	8.5	Mo	5726	9.0	G5	5799	8.9	Go	5874	9.5	F5	5956	9.1	A2
10	5384	8.9	G5	5462	9.2	Go	5551	8.6	K7	5633	8.9	Fo	5728	9.0	K5	5801	8.4	Ko	5875	7.9	Ko	5958	9.1	K2
11	5385	9.4	G5	5463	8.7	A5	5552	9.0	F2	5634	8.9	K2	5730	9.0	F2	5802	8.4	K7	5877	9.3	Ko	5960	8.7	K5
12	5386	8.9	Ko	5464	8.9	F8	5553	9.1	F5	5636	9.2	F2	5731	7.9	K5	5803	9.0	Go	5882	9.2	G5	5962	9.0	K5
13	5387	8.8	K2	5466	9.0	Go	5554	8.6	A7	5640	8.4	Ko	5733	8.7	Ao	5804	8.8	Fo	5884	8.9	Ko	5964	8.6	Ko
14	5390	9.2	K5	5467	9.1	A3	5555	8.9	K5	5643	9.0	Mo	5734	9.0	Ko	5805	9.2	G5	5887	8.8	Ko	5965	8.7	Ko
15	5392	9.1	K2	5469	8.9	Go	5557	9.0	Go	5644	9.0	Mo	5735	8.6	Fo	5808	8.8	M	5888	9.0	A5	5967	9.1	G5
16	5393	9.1	Go	5471	9.2	Go	5559	9.2	K	5645	9.2	M	5737	9.1	F5	5809	8.6	A2	5889	9.0	Mo	5968	8.9	K2
17	5394	8.8	K7	5473	8.8	A2	5560	8.6	K5	5646	9.0	K7	5738	8.9	M	5811	9.2	F5	5892	8.9	A5	5970	8.6	K2
18	5398	8.6	K2	5474	8.7	Ao	5562	9.0	Go	5647	9.1	K5	5739	8.6	K2	5813	9.0	K7	5893	8.7	K7	5972	9.1	K7
19	5399	9.0	Ko	5475	8.9	Mo	5563	9.0	G5	5649	8.4	M2	5741	9.2	A2	5816	9.0	Mo	5894	9.0	K2	5973	9.1	A5
20	5401	8.6	Ko	5476	8.7	Mo	5564	9.4	Ko	5650	9.0	F8	5742	7.8	K2	5818	8.4	G5	5895	9.0	F5	5974	8.7	F8
21	5402	8.8	Ko	5477	9.0	K5	5565	8.4	Ko	5651	9.2	M2	5743	8.8	K2	5819	8.6	Go	5896	8.8	K2	5977	8.7	Mo
22	5404	8.8	Go	5479	8.6	G5	5566	9.2	K5	5652	9.0	Go	5744	9.1	K5	5820	8.9	Fo	5897	9.3	G5	5978	9.0	F2
23	5405	9.2	F2	5480	8.7	K7	5567	8.5	F2	5653	8.8	F2	5745	8.6	F8	5821	8.9	K5	5898	8.8	G5	5980	9.2	B9
24	5407	9.4	K7	5485	8.8	K5	5570	8.8	Go	5657	9.1	A2	5747	9.0	Go	5822	8.7	Ao	5900	8.8	Ao	5981	9.1	Ko
25	5409	8.9	A3	5488	8.9	Go	5571	9.0	Go	5658	8.5	K2	5749	8.8	F8	5823	9.1	K7	5901	8.8	Go	5982	8.6	K5
26	5411	9.4	K5	5489	8.6	K5	5573	8.8	K5	5660	8.9	Go	5750	9.0	F5	5824	8.8	F8	5903	8.4	F8	5983	9.4	F8
27	5413	8.8	K2	5495	9.5	G	5574	9.0	F8	5661	8.2	M1	5751	9.0	A7	5825	8.8	G5	5905	9.1	Ko	5985	8.4	Ko
28	5414	8.5	Ko	5496	9.0	M	5578	9.1	F8	5662	8.9	Fo	5754	9.1	K2	5827	8.6	Mo	5906	8.8	Ao	5986	8.7	K5
29	5415	9.0	F8	5497	8.9	Ko	5579	9.2	F5	5664	8.6	K5	5755	8.9	G5	5828	8.4	K2	5909	9.2	G5	5990	8.7	K2
30	5417	8.7	Ko	5499	9.0	G5	5580	8.7	M2	5667	9.2	K5			Ao	5829	9.2	K	5910	8.8	K7	5991	9.2	A7
31	5418	9.0	F5	5501	9.1	G5	5581	8.8	K2	5669	8.7	Ko	5757	8.8	A5	5831	9.0	Ko	5914	9.0	K2	5995	8.5	Mo
32	5421	8.9	Mo	5502	8.1	Mo	5585	8.8	K2	5671	9.3	F2	5758	8.8	A3	5832	9.0	K2	5916	9.2	Go	5996	8.9	Fo
33	5422	9.2	Go	5504	8.9	F8	5587	9.1	K7	5672	8.8	K2	5761	8.8	M	5833	8.6	K5	5917	8.8	K2	5997	9.0	Fo
34	5423	9.2	G5	5505	8.9	Mo	5588	8.6	Go	5674	8.0	Go	5762	8.6	K2	5834	9.0	K7	5918	9.2	Mo	5998	8.9	K5
35	5424	9.2	F8	5507	9.2	K2	5590	8.9	F8	5676	8.6	F8	5764	9.4	F8	5835	8.7	A5	5919	8.5	G5	6000	9.0	Fo
36	5426	8.8	Go	5508	8.8	Fo	5595	9.0	Ko	5681	8.9	G5	5765	8.6	K2	5836	8.6	F8	5920	8.9	K2	6002	8.8	K5
37	5427	9.1	K5	5509	9.2	K7	5598	9.1	Go	5684	8.7	K2	5767	9.0	F2	5837	8.4	A5	5922	8.9	Go	6003	9.4	A2
38	5429	9.0	F2	5510	9.0	G5	5600	8.7	Go	5687	9.1	K5	5768	8.9	Ko	5838	8.6	Go	5923	9.1	G	6004	8.8	K7
39	5430	8.4	K5	5511	9.4	Fo	5601	9.2	M	5690	8.8	F8	5769	9.1	A7	5839	8.6	Fo	5927	9.0	Ko	6006	9.2	M
40	5431	8.7	G5	5512	8.4	F8	5604	9.0	Mo	5691	8.7	K2	5771	7.8	K5	5840	8.8	G5	5928	9.2	Ko	6007	9.1	F5
41	5434	9.0	F5	5513	9.0	F8	5605	8.5	K2	5694	9.2	Go	5772	8.5	Ko	5842	9.0	Ao	5929	9.1	Ko	6010	9.2	F5
42	5435	8.4	K7	5515	8.8	F8	5606	9.2	F5	5698	9.0	F8	5773	8.6	Ko	5844	8.9	Ko	5931	8.7	Go	6011	8.4	Ao
43	5437	8.9	Ko	5518	9.2	Fo	5607	9.4	K5	5699	9.0	Ko	5774	8.2	K2	5845	9.2	Fo	5932	8.5	K5	6014	9.0	B9
44	5438	8.9	K2	5519	8.5	K5	5608	9.0	M1	5701	8.8	A2	5775	8.4	G5	5847	9.1	K7	5933	9.0	Go	6016	9.0	K2
45	5441	8.1	Ko	5520	9.3	K7	5609	8.8	A3	5703	8.8	A7	5776	9.1	F5	5856	8.5	K7	5934	8.9	G5	6021	8.9	K2
46	5442	8.6	G5	5521	9.2	K7	5610	8.4	K5	5706	9.2	A2	5777	9.2	F8	5857	9.3	K5	5935	8.9	Ko	6023	8.8	Fo
47	5444	8.8	Ko	5524	8.6	A3	5611	9.2	G5	5707	9.3	G	5779	9.3	K	5858	8.9	G5	5937	8.6	K5	6024	8.2	K2
48	5446	8.2	Ko	5527	9.2	K5	5612	9.2	Ko	5710	9.1	Ao	5780	8.5	K5	5859	8.9	A2	5939	9.6	K7	6025	9.0	G5
49	5447	8.8	Go	5528	9.2	Ko	5613	8.8	Ko	5712	8.7	M	5781	9.0	Go	5860	8.8	A5	5942	9.1	Go	6027	8.9	Go
50	5448	9.0	A7	5532	8.7	K2	5614	9.1	A2	5713	8.8	K2	5784	8.6	K2	5861	8.5	K7	5943	8.7	F8	6028	9.4	Go

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234900 235100 $19^h\ 24^m.9$ to $20^h\ 34^m.2$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	6032	8.8	Ko	6123	8.9	Mo	6196	8.8	Mo	6286	8.9	F2	6372	9.0	K5	6451	8.6	Ko	6523	8.4	Fo	6601	9.4	K2
2	6033	8.8	A5	6125	9.1	F2	6198	8.8	Ko	6287	8.5	K7	6373	8.8	F5	6452	8.8	K5	6524	8.6	G5	6602	8.7	K5
3	6038	9.4	K5	6126	9.2	K2	6200	9.2	A2	6288	9.0	G5	6374	9.1	K2	6453	9.0	M2	6525	9.2	F5	6603	8.6	B3
4	6039	9.4	M	6127	9.2	K7	6203	8.4	K2	6289	9.1	K5	6375	8.9	Mo	6454	9.3	A2	6526	9.0	K7	6606	8.7	Ko
5	6040	8.9	K2	6129	8.7	Ko	6205	9.2	A5	6290	8.9	K7	6377	8.4	Ko	6457	8.9	Mo	6527	8.7	Ko	6609	9.0	Ko
6	6041	8.8	G5	6130	8.9	F2	6208	9.0	Mo	6292	8.9	Ao	6380	9.0	Mo	6458	8.8	B8	6529	8.9	Ao	6610	9.4	G5
7	6042	9.3	Go	6131	8.9	K5	6209	8.8	Mo	6294	8.8	A2	6381	8.6	Mo	6459	9.0	K2	6530	8.4	A3	6613	8.8	K7
8	6044	9.0	Ko	6133	8.6	K7	6210	8.8	Fo	6295	9.1	G	6382	8.7	Kop	6461	9.0	Ko	6532	9.2	A2	6614	8.6	G5
9	6047	8.5	Fo	6134	8.9	K7	6211	8.8	K2	6298	8.7	K5	6384	8.5	Go	6462	9.5	F	6533	8.2	K2	6615	8.5	B3
10	6049	8.7	Ko	6135	8.7	K5	6212	9.1	F8	6299	9.0	Ao	6386	8.0	K7	6464	8.5	Ko	6537	9.4	K7	6616	8.8	A7
11	6050	9.3	K2	6136	9.4	A7	6214	8.8	G5	6301	8.5	K2	6387	9.0	K5	6466	9.3	A3	6538	8.8	K2	6617	9.2	F5
12	6051	8.5	G5	6137	8.0	K2	6215	8.7	Ko	6303	8.5	Ko	6388	9.2	A2	6467	9.3	G	6539	8.5	Ko	6618	8.4	K2
13	6053	8.9	K5	6138	9.0	A3	6219	8.8	M2	6304	8.9	Ko	6391	8.3	K7	6470	9.3	Ao	6540	9.0	Fo	6621	9.4	F5
14	6055	8.4	K7	6139	9.1	A2	6220	9.3	Fo	6306	8.8	K7	6392	9.1	G5	6471	8.8	K5	6541	9.4	A5	6622	8.8	B9
15	6056	8.8	K5	6140	9.0	Go	6221	9.0	G5	6307	8.0	Fo	6393	9.7	Ao	6473	8.8	A2	6542	9.1	B9	6623	9.5	F2
16	6057	9.4	K2	6141	8.5	Ko	6222	8.8	Go	6308	8.8	F8	6394	9.0	F2	6474	8.9	Ko	6544	9.0	Mo	6624	...	K2
17	6060	9.2	Ko	6142	8.8	M2	6223	9.5	K7	6310	9.2	Ko	6397	8.1	Ko	6475	9.3	Ao	6545	9.1	Ko	6626	8.4	B8
18	6061	9.4	Ao	6143	8.8	Go	6225	8.9	A7	6312	8.9	Ko	6398	9.0	Ao	6476	8.6	B9	6547	9.4	K5	6627	8.1	F8
19	6062	9.0	K5	6145	8.9	Ko	6227	9.0	K7	6313	8.7	Ko	6399	9.2	G5	6477	8.9	F8	6548	8.7	Ko	6629	8.9	Go
20	6063	9.2	K7	6146	8.9	Go	6233	9.1	A2	6314	9.2	K7	6402	9.2	Mo	6479	9.2	F5	6549	8.7	Ao	6631	9.0	Fo
21	6064	8.8	K2	6147	9.2	G5	6234	9.1	A3	6315	9.4	A5	6404	8.4	Go	6480	8.2	Mo	6554	8.8	A2	6632	9.0	B3
22	6069	8.8	Ko	6148	9.3	F5	6235	9.6	F	6317	8.3	K7	6405	8.8	K5	6483	8.8	K7	6555	9.2	K2	6634	9.2	Fo
23	6072	8.4	K7	6151	9.1	G5	6236	8.7	A5	6318	8.4	Ko	6406	8.9	Go	6485	9.2	K2	6556	9.3	F8	6637	8.9	K2
24	6073	8.8	A2	6152	9.0	Ko	6237	9.1	Ko	6319	8.9	K5	6407	8.6	K5	6488	9.0	F8	6557	8.9	Fo	6639	9.1	F5
25	6074	9.0	Mo	6153	9.6	A5	6240	8.6	Ko	6320	8.5	K2	6410	7.9	K2	6489	9.0	K2	6559	8.8	K5	6641	9.0	A7
26	6075	9.0	F8	6154	9.0	K5	6242	9.2	Ko	6321	9.2	K2	6411	9.0	Ko	6490	8.8	Go	6560	8.8	Ko	6643	8.9	K2
27	6076	8.3	Go	6155	9.0	F8	6243	8.9	A2	6322	8.8	K2	6414	9.3	Mo	6492	9.0	K7	6562	9.0	K5	6645	9.3	A5
28	6078	8.9	Go	6156	8.7	K7	6244	9.0	Fo	6323	9.0	Fo	6416	8.8	Ko	6495	9.2	A2	6563	8.9	Ao	6646	9.2	Ko
29	6080	9.3	K7	6160	9.1	Mo	6249	9.0	G5	6325	9.1	K7	6417	8.8	G5	6496	8.4	Ko	6565	9.2	A3	6648	9.2	F5
30	6081	8.9	Go	6161	9.0	Go	6250	8.8	A5	6326	9.4	M	6418	9.2	F8	6497	9.4	A3	6567	8.4	K5	6649	8.5	A2
31	6082	9.3	Go	6162	9.2	Ko	6251	9.1	Ko	6327	9.0	A2	6419	8.6	K7	6498	9.4	Ao	6568	9.4	F8	6650	9.5	Go
32	6083	9.0	Go	6164	8.8	F5	6253	8.8	Ko	6328	8.5	Ko	6420	9.0	K2	6499	8.8	K5	6569	9.5	K7	6652	9.1	Ao
33	6084	9.0	A7	6166	8.9	A5	6255	9.2	K7	6329	9.3	G5	6421	8.8	A2	6500	8.6	K5	6573	8.6	Ko	6653	8.8	K2
34	6087	8.6	Ko	6169	9.2	F2	6256	9.3	G	6330	9.1	F8	6422	9.2	F2	6501	8.8	Mo	6574	9.0	K7	6655	9.0	B9
35	6090	9.0	F2	6170	9.0	A5	6257	9.0	G5	6333	8.6	Ko	6423	8.7	K2	6502	8.8	Ko	6575	9.0	Ao	6656	8.5	Ao
36	6091	8.7	K5	6172	8.8	A7	6259	9.4	Fo	6334	9.0	Fo	6424	8.8	Mo	6503	9.1	K5	6576	9.5	K5	6657	7.8	Ko
37	6092	8.5	K7	6173	9.0	K7	6260	8.9	M2	6336	8.7	Ko	6425	9.0	A3	6504	8.9	Ao	6577	9.0	Ao	6658	9.0	Mo
38	6093	8.9	K5	6174	8.9	Ko	6261	8.9	K7	6338	8.9	G5	6427	9.2	Ko	6505	9.1	F5	6578	8.6	K7	6659	8.8	Ko
39	6095	9.8	G5	6175	9.0	G5	6263	9.0	A5	6340	8.2	K5	6430	9.1	Go	6506	8.6	K2	6579	8.1	K2	6660	9.1	K7
40	6096	8.4	Ko	6176	8.8	F8	6265	8.6	K7	6341	9.6	G	6432	8.6	Ko	6507	9.1	K2	6581	8.2	K7	6662	8.5	K5
41	6099	9.0	Ao	6177	9.2	K7	6266	9.0	Go	6347	8.8	Ao	6437	9.0	Mo	6509	9.0	G5	6583	8.6	K5	6663	8.9	K7
42	6100	8.5	K7	6178	8.4	Mo	6268	9.1	A5	6349	9.0	A2	6438	9.2	K7	6510	9.1	K7	6587	9.0	B8	6664	8.8	Fo
43	6105	8.7	F5	6180	8.2	K2	6269	8.9	A2	6356	9.1	K5	6442	8.5	Go	6511	9.0	Mo	6588	9.1	K7	6665	8.7	Go
44	6110	8.9	F8	6182	8.7	Go	6272	8.8	A2	6358	8.4	Ko	6443	8.9	K5	6512	9.2	F8	6589	8.9	B9	6667	8.8	A2
45	6112	9.1	Fo	6186	8.8	Mo	6274	8.1	K7	6360	9.0	Ao	6444	8.8	Mo	6513	9.0	Go	6590	9.4	A2	6668	8.5	K5
46	6113	8.8	K7	6187	9.0	K2	6275	8.7	K5	6363	9.3	F2	6445	9.5	G	6515	9.6	A2	6592	8.5	Ao	6669	9.2	A3
47	6116	9.4	K7	6189	8.8	Ko	6281	8.6	Ko	6365	9.2	Ao	6446	8.6	Ko	6516	8.8	B5	6593	8.7	G5	6673	9.3	A2
48	6117	9.0	F5	6191	8.6	F5	6283	8.8	Ao	6366	9.1	A5	6447	8.9	K7	6519	8.5	Mo	6594	9.4	Ko	6674	8.0	B3
49	6118	9.3	Go	6192	8.7	B9	6284	9.3	Mo	6369	8.9	A3	6449	9.0	K2	6520	8.5	K5	6597	8.9	Ao	6675	8.8	G5
50	6121	9.2	Go	6193	8.9	F8	6285	8.8	A2	6371	8.8	Go	6450	9.1	K5	6522	8.2	K5	6598	8.8	A3	6676	8.4	G5

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235300 235500 $20^h\ 34^m.3$ to $21^h\ 57^m.2$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	6677	8.6	K2	6745	9.0	A3	6829	9.2	G5	6926	9.1	K7	7035	9.1	B8	7148	9.4	A2	7248	8.9	K2	7332	9.3	A2
2	6680	9.2	B8	6746	9.1	B8	6830	8.8	A7	6927	8.6	Mo	7038	8.8	A3	7150	8.8	F5	7249	8.8	B3	7334	8.7	B5
3	6681	8.9	F8	6747	8.8	A2	6834	9.5	M	6930	8.9	G5	7040	9.0	Go	7151	9.0	B5	7251	9.0	A5	7335	9.0	K2
4	6683	9.2	Ao	6748	9.0	A5	6836	8.9	F5	6932	8.8	A7	7042	8.5	A7	7153	8.8	B8	7252	9.1	Ao	7337	8.8	F8
5	6684	8.8	A2	6751	8.4	K7	6837	8.9	Go	6939	8.4	G5	7043	8.8	A7	7154	8.6	B3	7254	8.4	Go	7342	8.8	Ko
6	6685	8.8	Ko	6754	9.1	B3	6838	8.9	F2	6942	9.2	Ko	7046	9.0	Ao	7155	8.3	B9	7257	8.8	K5	7343	8.2	K7
7	6686	9.2	F2	6756	9.0	A7	6839	9.0	M1	6944	8.9	F8	7057	8.6	K2	7156	9.2	A2	7258	9.3	Ao	7344	9.3	K5
8	6687	8.4	Ao	6757	8.5	Ko	6840	8.6	Ao	6946	8.9	K7	7060	8.8	F2	7157	9.1	K2	7259	9.1	Go	7345	9.0	Fo
9	6688	8.4	K5	6759	9.0	Ao	6841	9.2	Mo	6951	8.9	K2	7061	8.7	A7	7163	9.3	A	7261	8.2	Ko	7347	9.0	A2
10	6689	9.1	Ao	6760	8.0	Ao	6843	8.8	K5	6953	8.8	Fo	7063	8.9	Ao	7169	8.8	K7	7264	9.0	K5	7349	8.6	K5
11	6691	9.6	K	6763	8.5	Go	6845	9.0	Ko	6954	8.9	K2	7065	9.0	A5	7174	8.4	A5	7265	9.0	A3	7350	9.0	Nb
12	6692	8.7	K5	6764	8.7	K7	6846	8.6	Go	6958	9.3	F2	7067	8.7	F5	7175	9.2	K5	7266	8.6	Mo	7353	9.0	A2
13	6693	9.4	Ko	6765	8.4	B5	6848	9.0	Ao	6959	8.8	Go	7068	8.8	F5	7176	9.2	Ao	7267	8.3	K7	7356	9.1	Go
14	6694	8.9	F5	6766	9.0	Ao	6849	8.9	A5	6961	8.8	A3	7072	9.1	Fo	7178	8.6	K2	7269	9.4	F8	7359	8.9	G5
15	6696	9.0	Ko	6767	8.9	K7	6851	8.8	G5	6962	8.6	K2	7075	8.9	F8	7180	8.8	B2	7270	9.6	K	7360	8.9	F2
16	6697	8.9	B5	6771	8.6	Mo	6852	9.6	K7	6963	8.8	F5	7080	9.1	A2	7182	9.0	Ko	7271	9.2	B5	7362	9.2	K5
17	6698	9.0	B5	6774	8.8	Fo	6854	8.9	Ko	6968	9.1	A5	7084	8.8	Ko	7183	8.9	M2	7272	8.6	F5	7366	8.7	Mo
18	6700	8.8	Ko	6775	8.9	G5	6856	9.1	Ko	6971	9.0	Go	7085	8.4	G5	7185	8.4	A3	7273	9.2	B	7367	8.0	B2
19	6703	9.0	K7	6776	9.0	Ao	6857	9.2	Ao	6972	8.9	F8p	7086	8.2	K7	7188	8.9	B5	7274	9.4	B8	7368	8.7	A2
20	6704	9.2	A2	6779	9.1	F2	6859	9.0	B9	6973	8.9	F5	7087	9.0	Go	7189	8.8	Mo	7276	8.8	B9	7369	9.5	A
21	6706	9.0	K5	6781	8.9	G5	6862	9.1	F8	6974	9.0	F8	7088	8.4	F5	7190	8.4	K5	7277	9.0	A5	7371	9.2	B8
22	6708	8.7	Ko	6783	8.8	B8	6863	9.0	K7	6976	8.9	Mo	7092	8.8	B9	7191	8.6	K5	7278	9.2	F5	7372	8.5	Go
23	6709	9.0	F5	6785	8.6	K2	6864	8.8	Ao	6978	8.8	K5	7093	8.7	B5	7192	8.2	Mo	7279	9.2	Mo	7373	9.0	Bo
24	6710	8.9	B9	6786	8.6	K2	6865	9.2	K5	6979	8.7	G5	7094	8.8	B8	7194	8.9	B3	7280	8.9	B3	7376	8.6	G5
25	6711	9.0	A5	6788	9.0	Ao	6866	9.2	A7	6980	9.2	F8	7098	9.3	G	7197	8.2	K5	7281	9.2	Ao	7377	9.0	Mo
26	6712	9.1	A5	6789	9.1	F5	6867	8.8	Ao	6983	9.0	Fo	7099	8.8	Ao	7200	8.9	Ao	7283	9.0	A2	7378	9.2	A5
27	6714	8.9	F2	6791	8.7	K5	6868	9.0	Fo	6984	8.4	F5	7101	9.0	Ao	7201	9.0	B3	7285	9.2	A5	7379	8.1	B8
28	6715	8.8	G5	6792	8.8	F8	6870	8.9	A2	6985	9.0	A5	7103	9.1	F2	7203	8.6	A2	7287	8.8	G5	7381	9.0	B8
29	6718	9.2	F8	6793	8.5	K5	6871	9.0	Go	6987	8.8	Fo	7104	9.0	Mo	7204	9.0	B5	7289	8.6	F2	7384	8.8	B2
30	6720	9.2	B8	6797	9.3	F8	6872	9.4	M	6994	8.7	K7	7105	9.2	Go	7205	8.8	B8	7291	8.8	A3	7385	8.8	K5
31	6721	8.5	G5	6798	9.0	Go	6873	9.2	Mo	6998	9.0	A2	7110	8.7	Ao	7206	8.5	K5	7295	8.8	A3	7386	9.0	Ao
32	6722	9.3	A2	6799	9.5	M	6875	8.7	Mo	7000	9.2	A2	7111	8.5	A2	7211	9.1	A2	7296	9.2	Ao	7390	9.1	K
33	6725	9.2	Ao	6801	9.2	M	6876	8.7	Ko	7001	8.8	Ao	7112	9.1	Ao	7213	8.8	A5	7297	8.5	A5	7392	9.0	B3
34	6726	8.7	Fo	6804	9.0	Fo	6878	9.0	Mo	7002	9.0	A5	7117	8.4	A2	7214	9.4	F	7300	8.8	Go	7393	9.0	B5
35	6727	9.2	G5	6805	9.1	Go	6879	8.8	A7	7003	8.8	Mo	7123	8.5	A3	7215	9.2	M	7301	9.0	Ao	7394	9.6	Go
36	6728	8.8	Ao	6806	8.8	K5	6884	8.8	Fo	7005	9.0	Ko	7125	9.0	B9	7216	8.7	B2	7302	9.5	K2	7395	8.8	F5
37	6730	8.5	G5	6807	9.4	M	6893	9.2	F8	7007	9.1	F8	7126	8.9	Ao	7217	8.9	A5	7305	8.8	A2	7396	9.0	F2
38	6731	9.0	Go	6809	9.4	F5	6894	9.3	F2	7010	8.8	Ao	7127	8.5	B9	7218	8.8	A3	7306	9.6	K7	7397	9.0	F8
39	6732	8.6	A5	6810	9.1	A5	6897	...	F8	7013	9.2	F2	7128	8.7	Ko	7221	8.7	Mo	7308	8.6	F5	7402	9.6	A3
40	6734	9.0	A3	6811	8.6	G5	6899	8.8	Go	7015	9.0	Mo	7129	9.1	Fo	7223	9.3	Ao	7309	9.0	G	7404	8.7	F5
41	6735	9.2	G5	6814	8.8	K7	6900	9.2	A7	7016	9.3	G5	7130	8.4	Ao	7225	8.9	A3	7311	8.7	F8	7406	9.0	B9
42	6736	8.9	Ao	6817	8.9	F2	6905	9.0	F5	7021	9.2	F	7133	...	B8	7226	8.9	Ko	7314	9.1	G5	7407	9.1	Go
43	6737	8.8	Ko	6818	9.0	F8	6906	9.0	B5	7024	9.2	F2	7134	8.5	Ko	7229	8.9	F2	7315	9.6	A3	7410	8.9	Mo
44	6738	9.0	A2	6819	8.6	B9	6908	9.0	F8	7025	9.1	G	7136	9.4	F	7230	9.1	K7	7318	9.0	Ko	7413	8.8	B8
45	6739	8.5	K5	6820	9.0	Mo	6912	9.0	K5	7026	9.2	Ao	7137	9.4	F2	7232	9.0	K7	7323	8.7	Ko	7414	8.8	K5
46	6740	8.7	Go	6822	9.1	F5	6913	9.2	F8	7029	9.1	Go	7138	9.1	Ao	7233	9.2	G5	7325	9.0	A2	7415	8.9	Gp
47	6741	8.8	B9	6823	9.2	G5	6916	8.9	Go	7031	9.1	A7	7139	9.1	Mo	7242	9.3	K7	7327	8.9	A3	7416	9.4	A7
48	6742	8.9	F8	6825	9.3	G5	6923	9.0	Ko	7032	9.1	A	7141	8.8	B9	7243	8.3	K2	7328	8.6	B3	7418	8.8	B8
49	6743	8.5	B8	6827	8.8	B5	6924	8.8	K7	7033	8.9	A2	7145	8.6	Bo	7244	8.4	F8	7330	8.9	K5	7420	9.0	A3
50	6744	9.0	Bo	6828	9.1	F5	6925	8.6	Ko	7034	8 8	Ao	7146	8.8	Fo	7246	9.1	G	7331	9.2	G5	7421	9.0	A2

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235700 235900 21h 57m.8 to 23h 14m.7

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	7423	9.3	F2	7512	9.1	K7	7611	8.4	K5	7715	9.2	B8	7816	9.1	F8	7907	8.8	Ao	8002	9.0	A7	8103	9.1	A5
2	7424	9.0	B3	7513	9.2	A3	7615	9.0	Go	7722	9.4	A	7817	9.1	Ao	7908	8.9	Mo	8003	8.9	Ko	8104	9.0	B9
3	7425	9.2	M2	7514	9.4	G5	7617	9.0	B8	7724	9.2	Ao	7818	9.0	Ao	7911	8.9	Ao	8004	8.9	Ao	8105	8.8	A2
4	7426	8.8	A3	7517	9.2	B2	7620	9.2	K2	7725	9.4	A	7819	8.9	B9	7912	7.8	K7	8009	8.5	K7	8106	9.0	Ao
5	7427	9.4	Fo	7518	9.0	F5	7627	8.4	K7	7728	9.3	K7	7820	9.2	Ao	7917	9.2	B9	8012	8.8	Ao	8107	8.9	B9
6	7431	8.9	F8	7520	9.0	A7	7629	9.1	Ao	7730	9.6	B3	7822	8.9	K2	7919	8.9	Ko	8014	8.4	K2	8108	9.0	Go
7	7435	9.4	K7	7522	8.2	K2	7631	9.2	Bo	7733	9.0	K2	7824	9.5	Ao	7922	8.5	Go	8017	9.2	A7	8111	8.9	B9
8	7436	9.3	F5	7523	9.2	Mo	7632	9.4	Ao	7734	9.3	K5	7825	8.8	K7	7923	8.9	B8	8018	8.4	Mo	8112	9.0	Ao
9	7437	9.0	Ao	7524	8.8	Mo	7634	8.6	Ko	7739	8.6	B9	7826	8.8	K5	7924	9.0	Ao	8019	9.0	B8	8115	8.9	K7
10	7439	8.6	K5	7527	8.9	M3	7636	9.0	Go	7740	8.9	B9	7827	8.9	A5	7925	9.0	G5	8021	8.9	A2	8116	8.8	A7
11	7441	9.0	Ko	7528	8.8	Mo	7637	8.8	G5	7741	9.0	B8	7829	9.0	B9	7926	8.5	G5	8028	9.1	A2	8117	9.3	F
12	7442	9.1	F8	7532	9.0	Ao	7642	9.2	Mo	7743	9.0	Ao	7832	8.3	Mo	7928	9.0	B8	8032	8.4	K5	8120	9.3	B9
13	7445	9.1	Ao	7540	9.1	B9	7643	8.7	B2	7744	8.7	B2	7833	9.0	A7	7929	9.0	K7	8034	8.9	A2	8122	9.3	A3
14	7448	9.2	Ao	7545	8.7	B	7644	8.8	B8	7746	9.3	B8	7836	8.9	A5	7930	8.4	G5	8038	8.8	Ko	8123	8.9	Ko
15	7449	9.0	A2	7548	8.9	A	7645	9.0	Ao	7749	8.5	Mo	7837	9.4	K	7932	9.0	A3	8040	9.2	F8	8124	9.0	Ko
16	7450	9.2	F5	7549	8.8	G5	7646	8.8	A2	7750	9.1	K2	7838	9.2	A2	7933	9.2	Go	8042	8.9	Mo	8125	9.1	Ko
17	7451	8.8	G5	7553	9.1	K2	7647	8.5	Ko	7751	9.2	Ao	7839	8.7	Mo	7938	9.5	F8	8044	9.5	G	8127	8.5	A2
18	7452	9.0	B9	7556	9.3	A2	7648	9.0	K7	7754	7.8	K5	7840	9.0	Go	7939	9.2	K2	8045	9.0	A3	8128	8.5	B9
19	7453	8.9	Ao	7558	9.8	A5	7649	9.4	G5	7755	8.4	K5	7841	8.5	A5	7940	9.3	A2	8048	9.7	K	8129	8.9	Ao
20	7454	9.0	K7	7559	8.5	B9	7650	9.4	Ao	7759	8.8	Ko	7842	9.3	A7	7941	8.6	K7	8050	9.7	A	8136	8.2	K2
21	7456	9.3	Go	7562	8.8	F5	7651	9.1	Ao	7761	8.8	Ao	7843	9.0	Ao	7945	8.5	K7	8052	8.8	B9	8137	9.3	K7
22	7457	8.6	K7	7563	8.9	K2	7652	8.6	G5	7762	8.4	K7	7845	9.4	A2	7947	9.1	A3	8053	9.0	F8	8139	8.8	K5
23	7459	9.2	A2	7564	8.3	Ko	7653	8.9	F5	7766	8.6	Ko	7846	9.2	F8	7948	8.0	K2	8054	8.8	A5	8141	9.1	K2
24	7461	9.1	Ao	7567	8.6	Mo	7660	9.2	B9	7769	9.0	Bo	7848	8.8	Ko	7951	8.8	Ko	8055	8.5	Ao	8143	9.0	B8
25	7463	8.8	F5	7568	8.5	Ko	7662	9.1	B2	7770	9.4	A	7851	9.0	B9	7957	9.0	K5	8056	8.8	Mo	8149	9.3	F8
26	7465	8.9	Go	7569	8.3	Ko	7663	9.2	B8	7773	8.5	F2	7852	9.2	A5	7958	8.7	B8	8057	8.9	Ao	8153	9.0	A5
27	7467	8.3	K5	7571	8.7	Mo	7664	8.7	F5	7774	8.7	B9	7853	8.9	A5	7961	9.2	A3	8060	8.8	Ko	8154	9.4	B9
28	7468	9.1	Mo	7572	9.0	M3	7665	9.4	F	7775	9.1	B9	7854	9.0	Ao	7962	9.3	K5	8065	9.2	A2	8155	8.6	K5
29	7469	8.6	B9	7573	8.8	K5	7668	8.9	Ao	7776	9.2	Ao	7855	8.4	Go	7964	9.0	G5	8069	8.9	Ko	8158	8.8	F5
30	7472	8.7	Mo	7574	9.2	A3	7669	8.8	B8	7777	8.8	A2	7858	8.3	K5	7965	9.0	Fo	8071	9.0	Ko	8160	9.0	A2
31	7475	8.8	F8	7575	8.4	B1	7671	9.8	A	7780	9.1	Mo	7859	8.6	K7	7966	9.0	Fo	8072	8.7	B3	8163	8.8	A3
32	7476	8.8	Mo	7576	9.0	Ko	7673	8.8	F5	7781	8.6	A3	7860	8.8	A3	7967	9.8	F8	8073	8.8	B9	8165	9.4	K5
33	7477	9.4	B5	7579	8.8	B3	7675	9.0	F	7783	8.8	A3	7864	9.4	B8	7968	9.0	B9	8074	8.6	Go	8166	9.2	A5
34	7479	8.9	K7	7580	9.1	B9	7680	9.2	A2	7784	8.7	G5	7869	9.2	Ko	7971	8.8	Mo	8075	9.4	Ao	8168	9.5	G
35	7480	8.8	F5	7584	9.3	F5	7687	9.0	Ko	7785	8.7	F2	7872	9.4	A5	7973	9.0	A2	8076	8.9	K2	8170	9.0	B8
36	7481	9.3	K2	7585	9.2	K	7690	8.6	A7	7786	8.8	Ko	7874	9.1	A2	7974	9.1	A2	8077	8.6	Fo	8172	9.3	K5
37	7483	9.0	A3	7586	8.7	Fo	7691	8.7	F2	7787	8.4	F5	7875	9.6	F5	7976	9.2	A7	8081	8.8	A2	8173	9.1	K7
38	7485	8.8	Go	7587	9.0	B9	7693	9.0	Ao	7789	8.9	Fo	7876	8.4	K7	7977	9.5	A2	8083	9.0	A2	8174	9.0	A2
39	7486	8.8	F8	7588	8.7	Ao	7694	9.0	B8	7793	9.0	B8	7878	8.6	Mo	7979	9.0	B	8084	8.6	Mo	8175	8.8	B8
40	7488	8.9	Go	7591	9.4	B8	7698	9.0	Ao	7794	8.9	K7	7880	8.6	K5	7980	8.6	K7	8085	9.0	A3	8176	8.8	G5
41	7490	9.0	Ko	7594	9.2	B9	7699	8.9	Ko	7799	9.6	K5	7881	9.6	G	7982	8.9	F8	8086	9.5	Ko	8177	8.6	A7
42	7491	9.2	Ao	7597	8.8	B9	7700	9.0	B8	7800	9.1	Mo	7885	9.2	A2	7983	9.6	G	8087	8.8	F8	8178	8.8	Mo
43	7492	8.4	K2	7598	9.3	K2	7701	8.7	Ko	7806	9.2	A7	7887	8.8	Ko	7984	8.4	K7	8091	8.6	Ao	8179	8.9	A2
44	7497	8.9	Ao	7599	8.9	Ko	7703	8.4	A7	7807	9.3	Ko	7888	8.8	G5	7988	8.8	F2	8093	9.0	Bo	8181	9.2	Ao
45	7498	9.0	Mo	7602	8.6	B2	7706	8.8	F8	7809	9.4	A	7889	8.9	B9	7989	9.6	Ko	8095	8.6	K2	8182	9.0	A2
46	7502	8.7	Mo	7603	8.4	K7	7708	9.0	K7	7810	9.1	Ao	7893	8.6	F8	7995	9.0	Ko	8097	9.5	M2	8183	8.9	F5
47	7503	8.9	F8	7604	8.6	Mo	7709	8.9	Ao	7811	8.8	K	7898	8.6	K2	7996	9.0	F8	8098	9.4	G	8185	9.2	Ao
48	7505	9.0	F5	7605	9.2	B9	7711	8.7	Fo	7812	9.5	Ko	7901	8.9	Ao	7999	9.1	B9	8099	8.9	B9	8189	9.1	Go
49	7508	8.8	Mo	7606	9.6	F8	7712	9.4	K2	7813	8.9	G5	7904	8.9	B5	8000	9.1	Mo	8101	9.2	Ao	8190	9.2	Ao
50	7511	8.4	Ko	7610	9.2	F5	7713	9.2	B5	7815	8.8	Ko	7906	9.6	F	8001	9.4	Ao	8102	9.6	Ao	8192	8.6	Ko

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236100 236200 $23^h\ 14^m.8$ to $23^h\ 59^m.9$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	8194	8.9	B8	8254	9.5	F8	8295	9.0	A3	8358	9.0	Ao	8416	8.9	Ko	8487	9.4	A7	8538	9.3	A2	8588	9.4	A7
2	8197	9.1	A2	8255	8.7	K2	8296	8.5	Mo	8361	...	A2	8417	9.1	Go	8488	9.0	K5	8542	8.6	K5	8590	8.8	K7
3	8198	9.2	B9	8256	9.4	B8	8299	9.4	Fo	8363	9.3	Ao	8421	9.1	F5	8492	9.2	A7	8543	9.1	K7	8591	8.8	G5
4	8203	9.2	K2	8257	9.2	G5	8301	9.3	K5	8367	9.6	B5	8425	8.9	M2	8493	8.7	K5	8545	8.7	G5	8593	8.7	F8
5	8204	9.0	A5	8258	8.4	K5	8304	9.2	F2	8368	8.5	M2	8426	9.3	A5	8495	9.0	K2	8547	9.1	Go	8594	8.6	Ko
6	8205	8.7	K5	8260	9.3	Ao	8305	9.0	K	8372	9.2	Ao	8427	9.4	B9	8496	8.9	F5	8548	8.7	B9	8595	9.0	A3
7	8206	9.0	G5	8261	9.0	G5	8306	8.6	K5	8374	9.6	G5	8434	9.0	B8	8498	8.6	F8	8550	9.1	A3	8596	8.8	K5
8	8209	8.6	A2	8262	9.1	G5	8307	9.2	F8	8377	9.0	A2	8440	9.0	K5	8503	8.7	B8	8552	9.0	A5	8600	9.1	Ao
9	8212	8.9	K5	8265	8.8	B8	8309	8.7	K2	8378	9.5	A2	8446	8.9	B8	8506	8.6	Mo	8553	8.9	B8	8602	9.2	Fo
10	8213	9.2	Ko	8269	9.0	F8	8310	8.6	G5	8379	9.0	G5	8449	9.8	F2	8508	8.9	Ao	8557	8.4	K5	8603	8.9	A3
11	8216	9.2	A5	8270	9.2	Ao	8311	8.6	F5	8383	9.1	K2	8450	8.7	F2	8509	8.7	K7	8563	8.9	G5	8606	8.3	K7
12	8221	9.1	A3	8271	9.1	F2	8312	8.6	B8	8386	9.0	F5	8455	9.6	K2	8512	9.3	Ko	8564	9.0	B9	8607	8.7	Ko
13	8222	9.2	K5	8274	9.8	F8	8315	8.9	K2	8388	9.4	A	8457	9.0	A2	8513	8.2	K5	8568	8.7	Ko	8609	8.9	Ko
14	8223	9.0	K5	8277	8.5	Mo	8324	9.0	Fo	8392	8.8	K5	8458	9.0	F8	8514	8.7	F5	8569	8.6	F2	8610	9.4	Ko
15	8224	8.6	G5	8279	8.8	Ko	8326	9.0	K5	8393	8.4	K5	8459	9.0	M1	8515	9.2	Mo	8571	9.1	B9	8611	8.8	Ko
16	8227	9.2	B8	8281	8.4	G5	8332	9.2	F8	8394	8.6	Ko	8463	9.0	K7	8518	9.1	K5	8572	8.7	K2	8613	8.8	Ko
17	8229	9.0	Ko	8282	9.7	Ko	8333	9.4	K2	8395	8.9	K7	8466	9.2	K2	8521	9.3	Ao	8573	8.7	K2	8614	8.9	Ko
18	8239	9.3	K7	8283	9.6	Ko	8334	8.9	A7	8399	9.2	F8	8468	8.7	K5	8523	9.1	K5	8575	9.4	Mo	8616	8.1	K2
19	8240	8.8	G5	8284	9.3	K7	8342	8.9	G5	8401	9.3	Ao	8472	9.0	Ao	8527	9.6	A2	8579	9.0	K5	8617	9.0	Ko
20	8241	8.6	G5	8285	9.0	Go	8346	8.6	Ko	8402	9.0	Ko	8477	9.1	A5	8529	8.9	Ko	8580	8.7	B5	8618	8.9	K7
21	8245	9.0	A2	8287	9.2	K2	8348	8.7	Ko	8403	9.0	Mo	8481	8.6	Ko	8531	9.1	F5	8581	8.0	B8	8619	9.3	K5
22	8246	8.6	K5	8290	9.6	Go	8349	8.2	A2	8404	9.0	Ko	8483	9.0	A5	8533	8.7	K2	8582	9.1	K2	8620	9.5	F8
23	8249	8.7	Ko	8291	9.0	Ao	8354	8.9	Ao	8406	8.6	Ko	8484	8.8	G5	8534	8.7	K5	8585	9.0	B5	8622	9.3	Ao
24	8251	8.9	K7	8292	8.6	Ao	8356	9.0	A3	8412	9.2	K2	8485	9.1	K5	8536	8.7	F5	8586	8.6	Mo	8624	9.0	F2
25	8252	9.1	K2	8293	8.6	B8	8357	8.8	Ko	8415	8.7	A5	8486	9.6	K7	8537	7.7	K2	8587	9.2	K5	8627	8.9	K5

$+50°$ to $+55°$

be found by consulting the Gesellschaft Catalogue. Thus the star H.D. 232475 is Cambridge, U. S., Gesellschaft No. 717, mag. 8.7, R.A. 1875, $1^h\ 29^m\ 12^s.20$, Dec. 1875, $+50°\ 37'\ 16''.8$, B.D. $+50°\ 314$. Sp. K2.

H.D. 232121, 235051, 235081, and 235739 are, respectively, the variable stars SX Cassiopeiae 000554, CQ Cygni 195553, CF Cygni 195851, and Y Lacertae 220550.

Narrow lines were recorded for the stars H.D. 232649, 233119, 233145, 233247, 233629, 234707, 235443, 235469, 235696, and 235918.

The spectra of H.D. 232767, 8, 234729, 30, and 236115 are of the composite type. In the spectrum of the latter star the fainter component is probably of Class A5. The stars H.D. 232625, 233012, 234138, 234623, 234682, 235327, 235622, 235696, and 236211 have spectra which are suspected to be of the composite type. In the spectrum of H.D. 235108, the portion between Hβ and Hγ shows peculiarities in dark lines and bright spaces or lines. Bright lines are suspected in the spectrum of H. D. 235679.

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ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100. NO. 4.

THE HENRY DRAPER EXTENSION

BY ANNIE J. CANNON

The spectra of 4200 stars of the Helsingfors-Gotha Catalogue of the Astronomische Gesellschaft are given in the following table. It includes all stars, not already in the Henry Draper Catalogue, which could be classified in the zones $+55°$ to $+60°$, 1855. The inability to classify a spectrum is less frequently due to faintness than to superposition upon the spectrum of an adjacent star. This is especially the case in crowded regions like the Perseus Clusters.

The form of the table is like that of the preceding number of this volume, pp. 38 to 48. The successive columns give the current H.D. number, the number and visual magnitude in the Helsingfors-Gotha Gesellschaft Catalogue, and the observed class of spectrum. The position of the star for 1875 and the B.D. number may be found by consulting the Gesellschaft Catalogue. Thus the star H.D. 236700 is Helsingfors-Gotha No. 1135, mag. 9.1, R.A. 1875, $1^h\ 12^m\ 41^s.36$, Dec. 1875, $+56°\ 12'\ 11''.7$, B.D. $+56°249$.

H.D. 236948, 236979, 237008, 237190, 237929, 238811, 239124, 239978, 240024, and 240073 are the variable stars, VX Persei 020057, YZ Persei 023156, W Persei 024356, RW Camelopardalis 034658, SV Ursae Majoris 104055, SX Draconis 180358, XZ Cygni 193056, ST Cephei 222658, RR Lacertae 223755, and V Lacertae 224455.

Narrow lines were recorded for the stars, H.D. 236377, 236740, 236760, 238464, 239668, and 240170.

H.D. 239933, 4 refer to a composite spectrum. The spectra of H.D. 237394, 239022, 239481, and 239746 are probably composite.

February 1, 1928.

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1936AnHar.100....1C

236300 236500 $0^h0^m.1$ to $1^h12^m.7$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	3	9.0	A5	136	8.9	A3	282	9.1	Ao	410	8.7	Ao	559	9.2	Ao	693	9.4	Fo	849	9.0	Mo	1001	9.3	Go
2	5	8.8	F5	137	9.0	K7	286	8.8	Fo	411	9.4	B9	562	9.0	Ko	694	8.6	K2	851	9.1	Go	1007	8.7	F8
3	7	9.1	A7	140	8.5	G5	292	8.9	B8	413	8.4	Ao	564	8.5	K5	696	9.1	F5	856	9.0	B8	1009	9.1	Go
4	10	8.8	F2	141	8.9	Go	293	8.6	B3	414	9.0	K5	567	9.2	B8	698	9.0	Mo	865	8.5	Mo	1011	8.9	Ao
5	11	9.0	Fo	142	9.0	K7	296	9.1	A2	416	8.7	B9	570	9.3	Fo	701	9.0	G5	866	8.9	B9	1012	9.0	B5
6	12	9.1	B8	149	9.0	K7	301	9.1	B8	417	9.1	K2	571	9.2	A	704	8.9	Mo	868	8.9	G5	1014	8.3	F2
7	13	9.0	Ao	151	9.0	F8	302	9.2	Mo	419	8.9	Fo	572	9.4	K2	706	9.2	B9	875	9.0	B8	1020	8.5	Ao
8	20	9.0	A5	153	9.1	K7	305	8.1	K5	420	8.8	K5	573	9.0	Ao	708	9.2	A2	877	9.1	K7	1022	8.2	K5
9	23	9.2	B9	155	8.9	B9	313	8.4	Ko	427	8.5	B8	574	9.1	Ao	710	8.9	K5	881	9.3	F2	1023	9.0	A2
10	24	9.2	B8	158	9.2	G5	315	9.1	Go	428	9.0	Ko	579	9.0	K2	713	9.0	F5	885	9.2	Ao	1024	8.9	A3
11	29	9.1	Fo	159	9.1	A3	320	9.0	Ko	430	8.9	K5	580	8.9	F2	715	9.1	Fo	889	9.0	A	1028	8.7	Fo
12	31	9.1	Ao	161	8.9	F5	323	9.3	Fo	431	8.8	K7	581	8.9	Ao	717	9.0	K2	890	9.2	B2	1029	8.6	K7
13	34	9.2	K	165	9.4	Ao	324	8.7	G5	432	9.6	A	585	9.3	Go	718	9.1	K2	891	8.3	Ko	1031	8.8	F2
14	35	9.2	A2	168	9.2	K5	325	9.1	K2	438	8.7	K7	589	9.1	Ko	720	9.0	K2	892	9.1	Ko	1032	9.4	B
15	36	9.1	Ao	171	9.0	Ao	326	8.9	B9	439	8.9	F8	596	8.4	Ko	721	8.5	K2	893	9.0	A3	1033	9.3	Ko
16	42	9.0	K2	172	9.1	Ko	329	8.6	G5	447	8.7	G5	597	9.4	Ko	731	9.0	A5	895	8.5	F8	1034	8.3	K7
17	43	9.2	Ko	178	8.9	A7	335	9.1	Ko	448	8.9	Ko	600	9.1	G5	733	9.3	Ao	903	9.2	K5	1036	8.9	B8
18	44	9.0	B8	181	9.1	K5	339	9.0	K2	452	9.3	B8	602	9.3	Ao	736	8.6	Fo	905	9.1	Fo	1042	9.1	A2
19	45	8.9	Ao	182	9.5	A	340	9.0	B2	454	8.7	F8	607	9.0	A3	738	9.1	K5	915	8.9	Fo	1046	7.8	K5
20	46	9.0	Ao	183	8.7	K7	341	9.2	K2	457	9.0	A7	614	9.0	F8	739	9.2	B5	918	9.0	Ao	1050	9.1	Ko
21	48	8.7	K7	188	9.1	B9	344	9.0	A2	462	9.0	B5	617	9.2	Fo	741	9.0	B8	920	8.9	G5	1051	9.2	F5
22	50	9.1	A7	190	9.4	F	347	9.1	K7	463	9.1	K2	620	9.0	Ao	748	9.3	F5	921	9.0	Go	1054	9.0	B5
23	52	8.8	Ao	194	9.4	G5	348	9.0	F5	471	9.1	Go	621	8.8	F5	757	8.6	Go	923	9.0	K7	1055	9.2	K2
24	55	8.7	K2	196	9.1	B8	357	8.2	Ko	476	8.6	Ao	629	9.2	K2	758	9.1	Ao	924	8.9	Fo	1057	9.2	A2
25	56	8.6	K5	206	8.6	K2	360	9.0	F5	480	8.1	K2	630	8.8	K2	761	7.8	G5	926	8.8	F2	1063	9.1	K5
26	57	9.0	K2	207	8.9	A5	361	8.9	B8	481	9.0	Ao	631	9.1	F8	763	9.1	Fo	927	7.9	Ko	1068	8.0	K5
27	67	8.6	B9	208	9.0	F8	364	8.2	Ko	482	9.1	Fo	633	9.0	G5	769	9.0	Ko	928	9.3	A2	1072	9.0	B8
28	71	8.8	Fo	212	9.1	B5	365	9.0	B8	483	8.2	K2	638	8.5	K7	773	8.7	Go	932	8.7	Go	1074	9.1	Ko
29	74	..	Ao	216	9.0	Fo	366	8.6	G5	486	8.8	B5	639	8.8	Ao	774	8.2	Ko	934	8.9	F5	1076	9.0	F2
30	76	9.0	Ao	218	8.9	F5	367	8.7	K7	487	8.9		640	8.8	K2	779	8.6	G5	936	9.0	F5	1078	8.5	K7
31	79	8.6	K5	220	9.2	Ao	368	9.2	A2	488	9.1	B8	649	8.8	F5	787	9.1	G5	938	9.0	Ko	1081	9.1	K5
32	81	8.7	Ao	222	8.6	Bo	369	8.3	G5	490	9.0	K2	656	9.1	Ao	792	8.4	Ko	942	8.3	Ko	1084	9.2	Ao
33	84	8.4	K2	225	9.1	A3	370	8.6	F8	492	9.3	K5	657	8.1	K7	793	9.3	A	953	9.0	Bo	1087	9.1	Bo
34	92	8.6	G5	226	9.1	K7	373	9.2	A7	493	8.6	Ko	658	8.9	B9	797	9.0	K5	955	9.0	B9	1088	8.7	G5
35	95	9.0	Fo	229	8.2	G5	375	8.6	K5	495	9.0	Ko	659	8.8	Bo	798	9.2	B8	967	9.0	K2	1090	7.8	K5
36	97	9.5	A	231	8.7	F8	376	9.0	F5	496	9.1	F8	660	8.9	Ao	801	9.0	Go	969	9.1	Ao	1097	8.3	Ko
37	98	9.1	Ko	235	8.9	K7	380	8.8	Ao	499	9.4	A3	662	8.8	Ko	802	9.1	B8	970	9.4	K2	1100	8.6	F8
38	101	9.2	Go	247	9.1	Fo	381	9.1	K2	502	8.7	F2	663	8.3	G5	805	9.4	B9	972	9.1	Fo	1103	9.1	Ko
39	104	9.0	A2	249	8.9	K5	382	9.3	Ao	503	8.5	K5	664	9.0	K5	806	9.0	Bo	973	9.0	Go	1104	9.0	Bo
40	108	9.0	B8	251	9.2	B8	383	8.6	K2	504	9.3	K7	670	9.4	F8	813	8.7	A3	975	9.3	A2	1106	8.6	K2
41	111	9.4	B5	252	9.2	Ao	385	8.6	K2	512	8.6	K7	671	9.2	B9	815	9.1	G5	976	8.5	Ao	1108	9.0	F8
42	115	8.3	K7	255	9.3	K5	390	9.0	K2	518	9.0	K2	672	9.3	Go	817	8.6	Ko	978	8.2	Mo	1114	9.0	G5
43	118	8.5	Ko	258	8.0	K7	391	9.2	G	519	9.0	Ko	673	9.0	K2	822	9.0	Go	981	9.5	G	1115	9.0	K5
44	119	9.0	Ko	259	8.9	Ko	395	8.7	Fo	532	8.8	Ko	674	9.3	G5	824	9.3	Ao	986	9.3	B	1118	8.7	F8
45	120	9.1	Ao	261	9.0	G5	401	8.7	B5	536	9.4	B	676	9.0	Ko	825	8.9	B9	988	8.6	B9	1122	9.1	B2
46	124	8.7	A7	263	9.0	Go	403	8.5	Mo	546	8.6	K7	678	9.0	B9	828	8.9	F2	992	8.8	Ao	1124	9.3	A2
47	125	9.1	Ao	264	9.1	A5	404	9.3	Ao	547	9.0	B8	680	8.9	Mo	835	9.1	F8	993	8.8	A3	1127	8.6	M
48	127	8.5	G5	265	9.0	Ao	405	9.1	B8	548	9.3	Ao	682	8.6	Ao	841	9.0	Ao	994	8.5	K2	1129	9.0	B9
49	130	8.9	Go	269	9.0	Ao	407	8.3	K7	552	9.2	G	688	8.7	Ao	846	9.1	Mo	995	8.9	A2	1134	9.3	A2
50	132	9.2	A7	276	9.2	Ao	409	8.4	Ao	555	8.3	K2	690	9.3	K	848	8.7	K5	999	8.5	B5	1135	9.1	B8

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	1144	8.9	B8	1244	8.6	A5	1390	8.5	B8	1527	9.0	A3	1662	9.0	K7	1918	9.5	F	2503	9.4	F8	2692	9.2	B8
2	1145	8.4	Ko	1245	9.5	A3	1391	8.5	K7	1529	9.3	F	1663	9.1	B9	1941	7.4	K	2505	9.1	K5	2693	8.4	B3
3	1146	9.1	Ko	1246	9.0	K2	1392	9.2	B8	1532	8.5	Ao	1667	8.9	Ao	1953	9.2	K	2509	9.1	F8	2694	8.8	F2
4	1149	9.3	Ko	1250	9.1	Go	1393	8.7	A	1533	8.8	Ao	1668	9.0	F2	1967	9.2	B	2521	9.2	Go	2699	9.0	B9
5	1150	9.3	A3	1251	9.1	F8	1398	8.8	K7	1534	8.6	Ko	1674	8.5	Ko	1975	9.0	Ao	2525	9.1	A2	2700	9.0	Ao
6	1154	9.2	A3	1252	9.1	B8	1404	9.1	Ao	1535	8.9	F8	1675	8.5	K7	1980	9.2	K2	2526	8.9	Ko	2703	8.7	Oe5
7	1156	9.1	B2	1253	8.7	Ao	1405	8.8	B9	1536	9.0	G5	1676	8.6	Ko	2007	9.3	A	2543	9.2	B	2704	9.1	G5
8	1158	9.0	B8	1264	9.0	B9	1409	9.1	Mo	1537	8.7	G5	1678	9.1	F5	2133	8.8	K2	2547	9.1	M7	2706	9.2	G5
9	1160	8.7	Go	1268	8.5	Mo	1413	9.4	B8	1539	9.1	K2	1680	9.2	B9	2200	9.3	Go	2550	8.8	Ao	2717	9.2	K7
10	1161	9.0	Ao	1271	9.4	B8	1414	8.7	B3	1541	8.6	K7	1693	9.1	K5	2204	9.2	Bo	2554	9.0	K7	2722	8.8	B8
11	1165	8.8	B3	1273	9.1	B8	1417	8.8	A7	1542	8.6	Ko	1707	9.1	K7	2211	8.8	B	2556	9.4	B	2740	9.2	B9
12	1167	9.2	Ao	1275	9.3	B2	1420	9.1	A5	1552	8.9	B8	1708	9.0	B3	2230	9.2	A	2557	9.3		2741	9.0	A2
13	1170	9.0	Ao	1278	9.3	B3	1421	9.3	K2	1553	9.2	Ao	1710	9.4	G5	2253	9.2	B	2559	9.2	Ko	2743	9.1	F5
14	1178	9.1	B3	1279	8.3	Ko	1425	9.1	A3	1555	9.0	Ko	1711	9.0	A3	2273	9.2	K2	2563	9.4	Ao	2745	9.4	Fo
15	1179	9.1	Fo	1281	9.2	A2	1430	8.5	B3	1557	8.8	K5	1736	8.3	K7	2287	8.9	Mo	2567	9.0	Oe5	2751	9.1	F2
16	1183	8.5	F8	1283	9.3	A7	1432	8.5	Fo	1562	9.4	A5	1737	9.1	Ao	2298	9.2	A5	2575	8.6	A2	2756	8.9	F8
17	1184	8.6	Go	1284	9.0	K2	1434	8.3	F5	1565	8.5	K2	1748	9.2	B	2305	9.0	K5	2577	9.1	F8	2757	9.3	Fo
18	1187	8.8	K2	1287	9.0	B2	1440	8.8	B8	1566	9.0	G5	1751	9.3	B3	2313	9.0	Ko	2578	9.0	B8	2759	9.3	K2
19	1188	9.1	B9	1289	9.5	A5	1442	9.0	F5	1570	8.5	G5	1754	9.1	Ko	2314	9.4	F5	2581	9.3	B	2760	9.0	Ko
20	1191	8.8	Ao	1290	9.3	G5	1443	9.2	B8	1573	8.9	F8	1755	7.0	G5	2319	8.5	B	2582	9.3	Ao	2763	9.4	A3
21	1195	8.7	K2	1294	9.0	Ao	1447	9.4	K7	1574	8.2	K7	1756	9.1	B2	2344	9.1	B	2584	9.2	B9	2772	9.0	Ko
22	1196	8.5	B8	1297	9.3	F8	1453	9.1	B9	1577	9.0	B5	1759	8.8	K5	2355	9.2	A2	2591	9.1	Go	2774	9.2	Ko
23	1199	8.3	K2	1299	8.8	Go	1454	8.4	K2	1579	9.2	Ko	1760	9.3	B8	2358	9.2	Ao	2593	8.6	F8	2775	8.6	K5
24	1201	8.5	K7	1307	9.1	G5	1456	8.2	Ko	1580	8.8	F5	1773	8.4	K7	2368	9.2	A5	2596	9.2	A7	2777	8.8	B9
25	1203	8.9	F2	1308	9.0	K2	1459	8.5	B8	1581	8.9	B3	1779	8.6	K2	2374	9.4	F8	2601	8.6	K7	2783	9.0	A7
26	1204	9.2	Ao	1310	8.9	A2	1460	8.6	K2	1587	9.0	K2	1786	8.6	K7	2375	9.0	Ko	2608	9.1	Ko	2784	8.6	G5
27	1206	9.1	F2	1311	9.3	A2	1461	9.1	Bo	1590	8.0	K2	1790	9.2	K5	2376	9.3	Fo	2609	9.2	Fo	2790	8.9	G5
28	1207	8.7	K2	1312	9.1	A2	1462	9.1	Ao	1595	9.3	K2	1796	8.9	F8	2380	9.4	A	2614	9.1	Go	2791	9.0	A5
29	1209	9.0	Go	1314	9.2	F5	1463	9.1	K7	1597	9.1	Mo	1798	9.2	B	2386	7.7	M2	2616	8.2	K5	2797	9.1	Ko
30	1210	8.9	K7	1315	9.3	K5	1464	9.0	K5	1599	9.1	A7	1799	9.2	K7	2393	9.3	F2	2617	9.2	A5	2800	8.9	B8
31	1211	9.0	K5	1320	9.4	Ao	1471	9.1	Ao	1601	8.2	K2	1802	9.0	K5	2395	9.2	F5	2619	9.4	Ao	2801	8.6	Ko
32	1216	8.9	F5	1326	8.8	Ko	1478	9.4	B8	1605	8.6	K7	1806	8.8	K2	2411	9.0	Ko	2620	8.9	K2	2818	8.5	K2
33	1218	9.2	B5	1328	9.3	F5	1486	8.9	F2	1606	9.0	K5	1810	9.1	F8	2413	9.0	K5	2627	9.2	G5	2819	9.5	F8
34	1219	9.0	Ao	1330	9.2	K7	1491	9.1	B5	1607	9.2	Ao	1811	9.3	K2	2425	9.3	G5	2634	9.2	Go	2820	8.8	K7
35	1220	9.2	A2	1335	9.1	B8	1493	8.6	Mo	1612	8.7	F8	1816	9.1	B2	2429	9.2	B8	2643	9.0	Ko	2824	9.2	A5
36	1221	9.0	Ao	1338	8.6	B8	1495	8.7	B8	1615	9.1	Ko	1818	9.0	Bo	2438	8.8	G5	2644	8.7	K2	2831	9.2	Ao
37	1222	8.2	B3	1340	9.2	A5	1497	9.3	Go	1618	8.8	K7	1819	8.9	F5	2448	9.0	F5	2645	8.6	K5	2833	9.1	F2
38	1224	9.1	Ao	1344	8.9	B9	1499	9.2	G5	1620	9.0	F8	1825	8.6	Ko	2449	9.4	B2	2646	9.0	G5	2839	8.7	G5
39	1225	9.0	F5	1345	8.9	A5	1500	9.1	Ko	1621	9.0	G5	1827	9.3	B	2450	8.8	Go	2647	9.0	B9	2841	9.1	A2
40	1226	8.3	B3	1346	9.2	B2	1502	8.9	Ko	1627	8.9	Go	1832	9.0	B	2451	9.1	Ko	2648	8.9	Ao	2842	9.0	B8
41	1227	9.3	B5	1347	8.8	M2	1504	9.4	Ao	1629	9.3	B8	1836	9.2	Ao	2466	9.2	A2	2649	9.0	Go	2843	8.8	B8
42	1228	9.0	Ao	1352	9.1	Ao	1511	8.7	Ko	1631	8.8	B5	1845	9.4	Go	2473	8.9	G5	2657	9.2	Ko	2846	8.9	K5
43	1230	9.1	G5	1358	9.0	Ko	1513	9.1	G5	1634	8.8	Fo	1858	9.2	B2	2475	9.4	B8	2659	9.2	B8	2849	8.9	Go
44	1231	8.5	G5	1361	9.1	B3	1515	8.4	F8	1641	8.7	Bo	1862	9.5	A7	2479	9.0	Fo	2667	8.7	A5	2850	9.0	Ko
45	1234	9.2	B5	1363	8.7	B8	1516	9.4	Ao	1642	9.5	A	1866	9.1	B5	2480	8.5	B	2671	9.0	Go	2852	8.3	K5
46	1235	8.9	A2	1367	9.4	B5	1517	9.2	Ao	1643	9.4	B	1867	9.0	G5	2488	9.2	B3	2673	8.7	K2	2853	9.1	A2
47	1238	9.4	Go	1371	9.0	B5	1521	8.7	Mo	1647	9.0	K7	1868	8.2	K7	2489	9.4	A7	2674	9.2	Go	2854	8.8	Go
48	1239	9.1	A5	1379	8.4	F5	1523	9.3	G5	1651	8.8	Go	1880	9.0	Go	2491	9.2	B3	2683	9.4	A	2859	9.0	B8
49	1240	9.4	A	1383	8.6	F5	1524	9.0	B5	1656	8.7	K5	1914	9.1	Ko	2495	9.2	A7	2684	9.0	A2	2861	8.8	G5
50	1243	9.1	Ko	1388	9.1	Bo	1525	9.4	B	1657	9.3	B8	1917	8.3	K7	2502	9.2	G5	2688	9.2	Ao	2862	9.2	Ko

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237100 237300 $3^h\ 6^m.6$ to $6^h\ 20^m.8$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	2864	8.8	A2	3064	8.8	K5	3290	8.8	K7	3498	9.0	A2	3684	9.2	K2	3874	9.1	A5	4074	8.9	Mo	4300	8.8	G5
2	2866	8.8	K2	3070	8.8	K5	3295	8.8	G5	3503	9.0	Ao	3685	8.8	G5	3876	8.8	G5	4078	9.0	K5	4301	9.1	K5
3	2869	8.8	B8	3071	9.0	B	3306	9.1	B9	3514	9.1	K5	3686	9.2	G5	3886	9.2	K2	4083	8.7	Go	4309	8.9	Mo
4	2870	9.0	G5	3076	9.0	K2	3309	9.0	B3	3517	8.8	Ko	3689	9.1	Ko	3893	8.9	Go	4086	9.2	B9	4310	9.4	Ao
5	2872	9.3	B5	3085	9.5	K7	3317	9.0	K7	3519	8.9	Ko	3690	8.8	K2	3897	8.9	Go	4093	8.8	Ko	4314	9.2	K2
6	2873	9.5	A	3089	9.2	K5	3318	8.7	G5	3520	9.2	A5	3692	8.7	Ao	3898	9.5	F5	4097	8.9	Ko	4324	9.1	G5
7	2882	9.0	B8	3090	9.4	F5	3324	9.2	B9	3526	9.3	A3	3694	9.0	K2	3900	9.1	F8	4098	9.4	Ao	4326	8.8	K5
8	2884	8.9	A2	3099	9.1	B8	3325	9.3	A7	3529	9.3	F8	3696	9.3	A3	3903	9.2	F2	4104	9.4	A5	4329	9.2	F5
9	2887	9.3	K7	3106	9.3	Mo	3328	9.1	Fo	3535	8.7	K5	3700	8.8	K5	3906	9.4	F5	4109	9.1	Go	4336	9.1	G5
10	2888	9.3	Ao	3118	9.2	A7	3331	9.4	Ao	3538	9.2	F	3706	9.2	G5	3908	9.3	Go	4111	9.3	A7	4342	8.8	A7
11	2889	8.8	Ko	3120	9.1	Go	3334	8.9	B5	3539	8.9	M1	3714	8.9	Ko	3910	8.9	Mo	4121	9.1	Ao	4343	9.0	G5
12	2890	8.6	K7	3121	9.0	K7	3335	9.1	K7	3548	9.3	G5	3718	9.5	K	3920	8.6	K7	4126	9.0	G5	4344	9.0	K5
13	2893	9.3	F5	3125	8.5	A7	3342	8.7	B	3549	9.1	A2	3723	9.3	Ko	3923	9.2	G5	4132	9.4	Go	4345	8.8	K2
14	2894	8.8	A5	3129	9.5	Ao	3349	9.2	A3	3550	8.3	K5	3728	9.0	K2	3930	9.2	Go	4139	9.1	Ko	4348	9.1	G5
15	2896	8.8	A3	3130	9.5	A	3359	8.7	Ko	3552	8.6	Ko	3732	9.0	K5	3933	9.0	G5	4145	9.0	G5	4352	9.1	A7
16	2899	9.4	F8	3148	9.0	Fo	3377	9.2	Ko	3553	8.8	K2	3734	8.7	Mo	3935	9.3	Ko	4147	9.4	F8	4355	8.9	G5
17	2905	8.9	K7	3156	9.2	K7	3380	9.2	G5	3554	8.9	Ko	3741	9.2	K7	3938	9.4	Fo	4149	9.2	G5	4360	9.5	G
18	2909	8.9	B8	3157	8.7	K5	3385	9.4	Ao	3559	8.7	A	3755	8.5	K7	3942	9.1	Ko	4160	9.1	K2	4362	9.3	Go
19	2912	8.8	A7	3174	9.0	K2	3386	8.4	K5	3561	9.1	Go	3756	9.0	A5	3946	9.3	Ao	4173	9.2	G5	4373	9.0	F2
20	2913	9.3	B9	3175	9.3	F	3388	9.2	G5	3563	8.8	G5	3759	8.8	K5	3947	9.3	K2	4175	9.2	Fo	4378	8.8	G5
21	2915	8.3	B2	3177	9.5	G5	3390	9.2	Ko	3570	8.7	K7	3763	8.5	K7	3950	9.0	Go	4176	9.0	Ao	4386	8.8	K7
22	2923	9.0	Ko	3178	9.3		3397	9.2	Ao	3572	9.3	K5	3770	8.7	K7	3953	9.1	Fo	4186	8.8	K2	4400	9.1	Go
23	2929	9.1	G5	3179	9.3	B8	3400	8.9	K5	3573	9.2	G5	3772	8.9	F8	3976	9.0	Fo	4192	9.3	K5	4409	9.3	Ao
24	2931	9.2	M	3180	9.3	B3	3404	8.9	Ko	3574	8.8	Go	3773	9.0	Ko	3980	8.9	K5	4193	9.1	K2	4415	9.2	K2
25	2932	9.5	A	3185	8.7	Ao	3417	8.8	A7	3583	8.8	Go	3784	9.2	A5	3982	9.0	Go	4196	8.9	K5	4422	9.0	G5
26	2933	9.1	B8	3188	8.6	K5	3420	9.4	F8	3589	9.4	F8	3787	9.0	Fo	3985	9.2	M2	4203	9.2	Go	4428	9.4	F8
27	2935	8.8	K2	3189	9.3	B8	3421	8.8	G5	3591	9.0	Ao	3790	9.1	A5	3989	9.0	K7	4204	8.9	Ao	4431	9.2	Ao
28	2945	9.2	B9	3190	8.8	G5	3422	9.1	G5	3594	8.9	Ko	3793	9.0	K5	3990	9.4	A	4205	9.0	Go	4441	9.1	Ko
29	2948	9.3	B8	3192	9.3	Ao	3423	9.2	Ao	3595	9.0	G5	3796	9.3	K5	3992	9.5	A7	4208	8.9	G5	4447	9.1	K5
30	2952	9.1	B8	3196	9.2	K7	3424	9.0	Fo	3599	8.5	K5	3797	8.9	K7	3993	9.0	Ao	4210	9.1	F2	4448	9.3	A
31	2953	9.3	B5	3199	9.4	A7	3425	8.8	K2	3606	9.3	A3	3802	8.6	K7	3994	9.5	F5	4216	8.7	K5	4449	9.5	A
32	2955	9.3	A2	3207	9.2	K2	3426	9.0	Go	3608	8.8	G5	3804	8.6	K7	4001	9.1	K2	4218	9.1	G5	4452	8.7	Ko
33	2964	8.5	K2	3212	9.3	K7	3427	9.4	A3	3615	9.1	Go	3808	9.0	Ko	4005	9.2	Go	4226	9.1	K5	4460	9.0	Go
34	2967	8.8	A7	3234	9.1	F2	3428	9.1	Go	3619	8.5	A7	3812	9.1	K2	4006	9.3	A5	4233	8.9	K7	4462	9.4	Ko
35	2972	9.1	B8	3237	9.0	Go	3430	9.0	K2	3620	9.2	Fo	3815	9.1	Fo	4011	9.5	F5	4236	8.9	K5	4468	9.1	F8
36	2976	9.0	B9	3241	9.5	F2	3433	8.8	Ko	3627	8.9	K5	3820	9.1	K2	4012	9.4	G5	4241	9.5	Go	4475	9.4	Ko
37	2977	9.2	B8	3242	9.1	Ao	3447	8.2	Mo	3628	8.4	Ko	3821	9.3	A	4016	8.5	K7	4256	9.0	K7	4484	9.2	Ko
38	2986	9.3	Ao	3246	9.1	F8	3458	9.2	F5	3645	8.9	K5	3823	9.1	F2	4023	9.1	Ko	4257	9.0	Ko	4485	8.7	K2
39	2988	9.1	Ko	3252	9.1	F5	3459	9.1	Go	3646	9.2	K5	3825	9.4	A	4024	8.9	Go	4264	9.2	G5	4489	9.1	K5
40	2995	9.0	B5	3256	8.6	K2	3466	9.0	G5	3647	8.8	Mo	3841	8.9	K5	4025	9.1	F8	4268	8.9	Ko	4490	8.5	G5
41	2999	9.1	B5	3257	9.0	G5	3471	9.2	Ao	3651	8.7	F2	3844	9.2	A7	4029	9.0	Ko	4270	9.0	K2	4510	9.1	F5
42	3005	9.5	G5	3262	9.3	G5	3472	9.4	A2	3654	9.4	Go	3846	9.0	F2	4042	8.8	Ko	4272	9.2	G5	4513	9.4	M
43	3006	9.0	Ao	3264	9.0	Ko	3474	8.5	F8	3656	9.5	G5	3851	9.0	F5	4051	9.2	F5	4280	9.0	Ko	4515	8.9	Mo
44	3012	9.1	Go	3266	9.1	Go	3475	8.8	Mo	3660	9.0	F5	3852	9.1	F8	4054	9.3	F	4281	8.9	K5	4516	9.3	F8
45	3018	9.2	F8	3275	9.0	Ao	3476	9.0	G5	3665	9.0	Ko	3853	9.1	Fo	4055	9.2	F8	4287	9.0	K5	4521	9.1	K5
46	3021	9.1	B3	3280	8.6	K7	3483	9.0	K2	3669	8.9	Go	3854	9.2	K7	4056	9.1	K2	4288	8.6	K5	4522	8.9	Ko
47	3031	9.5	K5	3281	9.5	G5	3484	8.0	K5	3672	8.8	K7	3857	9.4	K7	4057	9.2	F8	4289	9.5	Ao	4526	9.0	F8
48	3032	9.0	K7	3282	9.0	K5	3486	9.0	K7	3678	9.4	G	3861	9.3	K5	4063	9.1	A2	4292	9.1	Ko	4536	9.1	Mo
49	3043	9.0	F2	3284	9.2	Ao	3492	9.0	A5	3681	8.8	B2	3862	9.3	G	4068	8.5	K5	4294	9.0	G5	4537	9.0	Ko
50	3051	8.4	A	3286	8.9	Go	3494	8.6	Mo	3682	9.0	K5	3869	9.1	Ao	4069	9.0	B8	4297	9.2	Ao	4542	9.2	Ko

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	4544	9.2	K7	4736	8.8	A3	5004	8.7	K2	5295	9.4	G	5494	9.3	G5	5697	8.9	Ko	5912	9.0	Ko	6127	9.3	K5
2	4545	9.4	K5	4745	9.0	K7	5005	9.1	F8	5297	9.0	G5	5495	9.5	F8	5700	9.4	Ko	5918	9.2	Go	6128	9.2	Go
3	4548	9.3	F2	4751	9.2	G5	5018	9.1	F5	5298	9.3	G5	5505	8.9	K5	5701	9.4	F8	5920	9.2	K7	6129	9.1	F8
4	4553	9.2	Go	4753	9.1	Ko	5020	9.4	F8	5303	8.9	Ko	5522	8.7	K5	5702	9.2	G5	5925	9.5	G5	6133	9.2	Ko
5	4556	9.1	Fo	4759	9.3	Ao	5026	9.0	F8	5307	9.1	Ko	5525	9.3	Ko	5705	9.3	Go	5927	9.5	Go	6140	9.2	Ao
6	4557	8.1	K5	4767	9.2	A5	5030	8.8	K7	5309	9.0	Go	5526	9.2	Ko	5706	9.3	G5	5931	9.5	Go	6141	9.1	K2
7	4558	9.1	G5	4768	9.1	K5	5035	9.4	Ko	5310	9.5	G5	5527	8.6	Ko	5713	9.1	F8	5935	9.4	K	6146	8.9	K7
8	4568	9.0	Fo	4769	9.0	Ko	5036	9.0	F5	5315	8.9	Ko	5528	8.8	K2	5716	8.8	K2	5937	9.0	K7	6163	9.1	G5
9	4574	9.1	Fo	4772	9.1	G5	5038	9.4	K5	5319	9.1	F8	5539	9.5	A7	5719	9.1	Go	5942	9.5	G5	6166	9.0	Fo
10	4578	8.7	G5	4774	9.4	Ao	5043	9.2	G5	5326	9.1	Go	5541	9.3	G5	5722	8.9	Mo	5944	8.7	F8	6167	8.8	Ko
11	4582	8.8	G5	4778	9.3	Ko	5044	8.1	Ao	5328	9.4	Go	5544	9.0	Ko	5730	9.2	K2	5951	9.2	Ko	6189	8.8	Go
12	4588	9.0	K2	4779	9.0	K5	5046	8.8	A3	5331	9.0	Go	5546	9.4	K7	5734	9.2	Ko	5960	9.1	K7	6192	9.0	Ko
13	4596	9.0	K5	4797	9.3	Ao	5048	8.7	K5	5334	9.2	Go	5551	9.2	Ko	5738	8.4	K7	5970	9.1	K5	6193	9.1	F2
14	4598	9.3	G5	4799	9.1	Ko	5050	9.5	F5	5341	9.4	G	5552	8.7	K2	5750	8.8	K2	5978	8.7	K7	6194	9.3	Go
15	4602	8.7	K2	4807	8.9	Ko	5051	9.4	Go	5345	9.3	K2	5557	9.4	G5	5752	9.2	Ko	5980	9.1	G5	6196	9.2	K5
16	4616	9.1	Mo	4831	9.0	G5	5057	8.7	K2	5350	9.4	G	5558	8.5	K2	5764	9.1	G5	5988	9.2	Ko	6209	9.2	Ao
17	4617	8.8	Ko	4836	9.2	Ko	5065	9.1	F2	5351	9.5	G	5561	9.4	Fo	5766	9.4	F8	5989	9.1	G5	6220	9.0	G5
18	4619	9.1	K2	4841	9.0	Ko	5083	8.7	K5	5352	9.0	K5	5563	9.0	F5	5771	8.3	K7	5990	9.2	K2	6222	8.8	Go
19	4622	9.2	A7	4845	9.6	G5	5084	9.1	K5	5354	9.1	Ko	5564	9.4	F5	5772	9.0	K5	5993	9.1	Go	6225	9.2	Ko
20	4628	8.7	F8	4849	9.4	Ko	5087	9.3	G5	5355	8.9	K2	5565	9.0	K5	5773	9.4	Ko	5995	9.3	F8	6227	9.1	Go
21	4629	9.4	K5	4859	9.0	K2	5092	9.3	K2	5360	9.1	Ko	5570	9.3	Ko	5780	9.0	Ko	5999	9.1	Ko	6229	8.6	K2
22	4633	9.1	Ko	4860	9.0	Ko	5101	9.3	Go	5362	9.4	Ko	5573	9.2	Ko	5787	9.0	M2	6005	9.2	Go	6234	9.0	F2
23	4636	9.5	F8	4867	9.1	K7	5111	9.5	F8	5364	8.5	K7	5574	9.5	Ao	5788	9.2	Go	6013	9.0	Ko	6239	8.6	Ko
24	4637	8.9	K2	4872	8.9	K2	5129	9.2	K2	5366	9.2	F5	5577	7.9	Ko	5789	8.7	K7	6016	9.4	Go	6247	9.3	G5
25	4639	9.3	Go	4875	9.3	K5	5150	9.2	G5	5370	9.2	Go	5578	9.3	G5	5790	9.0	Go	6018	9.4	K	6248	9.0	Ko
26	4643	9.2	A3	4888	9.0	K2	5157	9.2	Fo	5371	9.2	F8	5580	9.3	F8	5792	9.4	G5	6020	9.2	G5	6249	8.6	Ko
27	4656	8.9	K7	4890	9.0	Ko	5159	9.3	Go	5376	9.0	F8	5583	8.5	K7	5805	9.3	K5	6029	9.3	Go	6251	9.4	Go
28	4664	9.1	K2	4893	8.5	F2	5161	9.2	Fo	5379	9.3	G5	5586	9.5	Go	5807	8.8	K5	6035	9.3	Go	6256	9.4	Ko
29	4665	9.1	K7	4899	9.4	Ko	5164	9.0	G5	5391	9.2	Ko	5595	9.3	A2	5810	8.9	K2	6038	9.1	K5	6258	9.2	F2
30	4668	9.1	K7	4902	9.0	G5	5173	8.5	K5	5392	9.3	G5	5614	9.3	F5	5815	9.1	G5	6040	9.3	K5	6270	9.4	Ko
31	4670	9.0	A7	4911	9.4	G5	5187	9.1	Ko	5393	9.6	F2	5618	8.7	K7	5819	8.9	Fo	6041	9.5	K	6279	9.0	K2
32	4671	9.2	F8	4912	9.4	G5	5192	9.2	F8	5395	8.4	Go	5619	8.9	Go	5821	9.0	A7	6042	9.2	G5	6281	9.3	Go
33	4672	9.2	Go	4918	9.1	M1	5193	9.1	Go	5403	9.0	G5	5620	9.4	Go	5822	9.0	Ko	6044	9.0	K5	6284	9.4	Go
34	4673	8.9	G5	4921	8.9	G5	5211	9.2	F2	5404	8.8	A5	5623	9.0	K2	5834	9.0	F5	6052	9.3	Go	6285	9.1	F8
35	4676	9.1	Ko	4923	9.1	A2	5213	9.1	K2	5405	9.4	F	5627	9.3	F8	5838	8.7	K5	6054	9.2	K5	6286	8.9	K2
36	4677	9.1	Fo	4930	9.0	K5	5223	9.3	Ko	5425	9.0	Ko	5630	8.9	Go	5840	9.1	G5	6065	9.1	Go	6288	9.0	K2
37	4678	9.0	K2	4931	8.9	K2	5224	9.3	F5	5432	9.3	F8	5639	9.1	K2	5843	8.5	Ko	6068	9.3	K7	6291	8.8	Ko
38	4680	9.1	K2	4934	9.3	K2	5225	9.2	M	5448	9.0	G5	5650	9.1	Go	5844	9.2	F8	6071	9.1	Ko	6292	9.2	F8
39	4688	8.6	Go	4943	9.4	F5	5227	8.6	K2	5456	9.1	Go	5654	9.0	F2	5846	9.0	K2	6072	8.9	F8	6293	9.4	Ko
40	4689	9.2	F8	4956	9.0	K5	5228	9.2	A7	5457	8.9	F8	5662	9.1	Ko	5847	9.2	Go	6078	8.7	K5	6306	9.0	Ko
41	4690	8.9	Ko	4962	8.9	K7	5238	9.1	K2	5464	8.9	Go	5666	9.1	Ko	5850	9.0	F8	6079	9.1	F5	6307	9.2	A5
42	4696	8.9	Ko	4966	9.4	G5	5244	9.3	G5	5468	9.4	Ao	5667	9.0	Ko	5851	9.3	G5	6081	9.4	Go	6310	9.2	K7
43	4697	9.3	Ko	4967	9.1	Ko	5247	9.1	Go	5470	9.2	F8	5668	8.8	Ko	5853	9.2	Ko	6085	9.1	G5	6313	8.8	G5
44	4699	9.2	Mo	4975	9.2	Ko	5249	9.3	K5	5471	9.4	Ko	5669	8.4	Ko	5858	8.9	K5	6092	9.4	B3	6324	9.2	Go
45	4706	9.5	F5	4977	9.5	G5	5258	9.1	K5	5476	9.5	Go	5671	8.9	Go	5870	9.1	K2	6096	9.4	Go	6329	9.6	F5
46	4709	8.6	F8	4978	9.0	Ko	5262	8.9	G5	5477	8.9	K2	5677	9.3	F8	5871	9.2	K5	6097	9.3	F8	6332	9.3	Ko
47	4720	8.9	K2	4983	9.1	K2	5263	8.9	Mo	5480	9.5	Go	5678	9.2	G5	5877	9.2	F8	6101	9.2	F8	6338	8.7	Ko
48	4725	9.2	Go	4998	9.1	A7	5273	8.9	K7	5481	9.1	Go	5682	9.3	Go	5883	8.8	A5	6108	9.0	K5	6350	9.1	F2
49	4729	9.3	A	5000	8.6	K5	5275	9.2	A5	5483	8.9	Ko	5685	9.3	F8	5885	9.4	G	6114	9.3	G5	6351	9.5	Go
50	4735	8.9	A2	5001	9.1	K5	5290	9.3	F5	5490	9.1	K5	5694	8.7	K2	5895	9.0	F5	6118	9.5	G	6357	9.3	Go

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237900 238100 $10^h\ 20^m.9$ to $13^h\ 52^m.0$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	6362	9.0	Go	6551	9.1	Fo	6755	9.4	G5	6930	9.2	F5	7115	9.2	K5	7277	8.8	K5	7466	8.7	G5	7612	8.8	Ko
2	6372	9.6	G5	6552	9.1	Go	6765	8.8	Ko	6931	8.7	K5	7118	9.1	F2	7281	9.1	K2	7467	9.5	F8	7615	9.5	G5
3	6374	9.0	K5	6556	9.2	F8	6767	9.4	G5	6941	8.6	K5	7120	9.0	Ko	7284	9.1	F8	7470	9.0	F2	7616	8.6	F2
4	6375	9.5	G5	6557	9.3	Ko	6769	9.2	F5	6943	9.1	Go	7122	9.1	Ko	7287	9.2	G5	7472	9.3	G5	7621	8.2	Ko
5	6380	9.1	K2	6559	9.0	Go	6773	9.1	Go	6952	9.4	Ko	7125	9.2	F8	7289	9.2	Go	7479	9.4	Ko	7622	8.8	K2
6	6388	9.3	Ko	6561	9.3	F8	6778	9.2	Ko	6959	9.3	Ko	7126	9.0	Go	7291	9.0	Ko	7485	8.5	Mo	7626	9.4	Go
7	6389	9.4	G5	6571	9.1	K2	6781	8.7	F8	6967	8.8	M2	7132	9.0	Go	7292	9.4	F8	7486	9.2	F5	7630	9.2	K2
8	6398	8.9	G5	6573	9.1	A7	6791	8.4	G5	6968	9.2	K7	7133	9.3	F8	7293	8.8	G5	7491	9.0	Ko	7631	9.4	G5
9	6402	8.7	Ko	6576	9.2	G5	6792	9.3	G5	6978	9.4	Go	7134	9.0	K2	7298	9.2	K2	7495	9.5	F5	7636	9.1	Ko
10	6404	9.2	Ko	6577	9.0	Ko	6793	9.1	Go	6983	9.1	K2	7138	9.5	G5	7308	9.1	G5	7496	9.0	Go	7643	8.6	K5
11	6405	9.1	Go	6578	9.1	Go	6795	8.9	Go	6989	8.8	K5	7141	8.6	F5	7312	8.8	Go	7501	8.8	K7	7644	9.6	F8
12	6411	9.2	F8	6585	9.0	K2	6806	9.2	F8	6990	8.8	Ko	7146	9.2	F2	7317	9.0	K2	7518	9.3	Ko	7646	9.0	Ko
13	6413	9.1	G5	6588	9.4	G5	6807	9.0	K2	6992	9.2	F5	7150	9.4	F8	7320	8.6	K5	7519	9.2		7647	8.6	K2
14	6416	9.2	F2	6599	9.3	K2	6809	9.3	K5	6994	8.8	Go	7159	9.1	Ko	7331	8.6	K7	7522	9.5	G	7648	8.5	Ko
15	6417	9.1	F8	6604	9.1	Go	6811	8.6	K5	6999	9.4	F5	7160	9.4	A3	7333	9.3	F8	7524	9.0	Ko	7651	8.5	K5
16	6422	9.2	Go	6606	9.2	Go	6812	9.0	F5	7007	8.9	G5	7161	8.4	Ko	7344	9.2	Ko	7525	8.9	K2	7652	9.4	Ko
17	6425	8.8	Ko	6611	9.2	K2	6819	9.5	G5	7009	9.6	G5	7163	9.3	F8	7353	9.0	Go	7528	8.8	K2	7653	9.4	K5
18	6433	8.8	K5	6616	9.4	Go	6824	9.3	Go	7011	8.8	Ko	7164	8.9	Go	7358	9.0	Ko	7529	9.6	G5	7658	9.4	K2
19	6434	9.5	Go	6617	9.2	K7	6825	9.2	Fo	7013	9.0	G5	7165	8.6	Ko	7369	9.1	K2	7531	9.0	Go	7659	9.0	K2
20	6439	9.2	F8	6629	9.1	F8	6827	8.3	Ko	7015	9.0	K5	7169	9.2	K7	7376	9.2	G5	7538	9.0	K2	7661	9.4	F5
21	6440	9.3	Go	6634	9.0	Go	6830	9.5	Ko	7020	9.1	F8	7171	9.0	F5	7380	9.1	F5	7542	8.8	F5	7664	9.0	K5
22	6441	9.2	M2	6635	9.1	F5	6831	9.5	G	7021	9.6	Go	7175	9.4	G5	7382	9.0	G5	7544	9.0	F5	7665	8.8	Ko
23	6444	9.0	Go	6636	9.5	K7	6832	9.4	G5	7024	9.4	G5	7176	9.4	K2	7387	9.1	G5	7547	9.4	G5	7668	8.8	Ko
24	6448	9.1	F8	6637	9.0	Ko	6833	8.7	K5	7028	8.7	F2	7178	8.9	G5	7388	9.0	K2	7548	9.0	Mo	7671	8.8	K2
25	6454	9.4	Ko	6638	9.1	F8	6834	8.9	K7	7036	9.2	G5	7185	9.4	F5	7389	9.1	Go	7549	9.4	Fo	7672	9.2	Go
26	6455	9.2	Go	6644	9.1	Go	6837	9.1	Go	7040	9.1	G5	7188	9.4	Ko	7392	9.1	G5	7550	8.7	Ko	7677	9.1	G5
27	6465	9.4	G5	6655	9.2	Fo	6847	9.0	K2	7042	9.2	G5	7190	9.0	F8	7393	9.5	K	7552	9.0	F5	7678	9.4	F2
28	6466	9.2	A3	6662	9.0	K2	6848	9.0	F5	7044	9.1	F8	7193	9.0	Go	7396	9.2	F5	7554	8.9	K5	7684	9.2	Go
29	6473	9.0	G5	6676	9.1	K5	6865	9.2	K7	7045	8.6	Ko	7195	8.9	G5	7397	8.9	Ko	7555	8.4	Go	7692	9.4	G
30	6475	9.4	G5	6678	9.2	Fo	6866	8.9	G5	7048	9.1	G5	7196	9.1	G5	7398	8.7	K2	7556	9.2	G5	7695	8.9	K5
31	6478	9.4	F5	6679	9.0	G5	6868	9.4	G5	7054	9.0	Go	7197	9.0	K5	7402	9.0	F8	7558	8.5	Go	7696	9.4	K
32	6486	9.2	F5	6684	9.5	G5	6869	9.1	F8	7055	9.2	K2	7199	9.2	Ko	7404	9.0	K5	7564	9.4	G5	7698	9.2	Ko
33	6487	9.4	K2	6688	9.2	Go	6870	9.2	G5	7056	8.4	K7	7201	9.2	A2	7408	9.3	F8	7568	8.8	Ko	7700	9.3	G5
34	6493	9.3	F5	6696	9.4	Go	6877	8.9	Ko	7058	8.9	G5	7206	9.3	Go	7411	9.2	F8	7571	9.4	F8	7702	9.6	G
35	6496	9.3	Fo	6697	9.0	F8	6880	8.8	K2	7061	9.3	F2	7208	9.0	Ko	7413	8.8	G5	7574	8.9	Go	7703	9.0	Go
36	6497	9.2	Ko	6705	8.8	K5	6890	9.2	F8	7062	9.2	Go	7214	9.2	F2	7415	9.0	G5	7578	8.5	K5	7708	9.4	F8
37	6501	9.2	G5	6708	9.4	G5	6894	9.2	F8	7063	9.2	K5	7215	9.2	G5	7418	9.6	F5	7579	8.8	Go	7709	9.0	Ko
38	6504	8.7	K5	6712	9.0	K5	6897	8.8	Go	7064	9.5	G	7216	9.2	K5	7419	9.3	Go	7581	9.3	Go	7716	9.4	K7
39	6507	9.2	Go	6713	9.0	G5	6898	9.5	K7	7066	8.8	F2	7219	9.2	F5	7429	9.4	Ko	7583	9.2	K5	7717	9.2	G5
40	6509	9.0	Ko	6715	9.3	F5	6899	9.2	F8	7067	9.2	K5	7226	8.8	Go	7434	9.0	G5	7584	8.9	F8	7719	9.5	K5
41	6512	9.1	K2	6716	9.2	G5	6903	9.0	M4	7069	9.0	F5	7228	9.0	Ko	7435	9.3	G5	7585	9.1	Go	7729	9.2	F2
42	6513	9.5	G	6721	9.0	F8	6907	9.2	Ko	7080	9.4	F8	7237	9.2	F5	7439	9.3	Ko	7599	9.2	G5	7733	9.2	K2
43	6514	8.8	F2	6728	9.0	F8	6910	9.0	Go	7083	9.2	K5	7244	9.0	Mo	7443	9.3	F5	7600	8.5	K2	7735	9.0	Ko
44	6526	8.9	G5	6731	9.4	G5	6912	8.8	K5	7087	9.0	F2	7248	9.2	Go	7446	8.8	K5	7601	9.2	Go	7736	9.2	G5
45	6533	9.0	G5	6735	9.3	Go	6915	9.5	K2	7090	9.4	K2	7253	9.0	K2	7450	9.0	F8	7603	9.2	F8	7737	9.3	K7
46	6534	8.9	F8	6739	9.0	F8	6919	9.2	Ko	7095	9.0	F8	7254	9.0	G5	7451	9.3	F5	7604	9.4	K	7739	9.4	K7
47	6540	9.2	F8	6741	9.0	Ko	6921	8.5	F8	7104	9.1	Go	7256	9.0	F5	7452	9.1	K2	7605	9.0	G5	7740	9.0	K7
48	6542	8.7	M1	6742	9.5	K5	6922	9.0	K7	7106	8.7	Go	7260	9.5	F8	7456	9.0	Ko	7607	9.0	Go	7741	9.0	K2
49	6546	9.2	G5	6748	9.0	G5	6926	9.0	A7	7109	9.0	K2	7266	9.1	K5	7458	9.4	F8	7608	8.9	K2	7756	9.0	A5
50	6550	9.4	K2	6749	9.2	G5	6928	9.0	Ko	7110	9.1	G5	7274	8.6	Ko	7465	9.0	F8	7611	8.8	Ko	7757	9.2	Go

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238300 238500 13h 52m.5 to 17h 25m.4

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	7763	9.4	F2	7966	9.0	Go	8163	9.1	G5	8338	9.5	K	8485	8.9	Ko	8748	9.3	F5	8949	9.0	Go	9121	9.0	G5
2	7767	9.4	Go	7976	9.0	G5	8164	8.8	F2	8339	9.3	M	8486	9.2	M	8751	9.4	Ko	8950	9.4	Ko	9122	8.6	Ko
3	7771	9.1	F5	7987	9.5	A7	8170	8.4	Ko	8340	8.5	F2	8501	9.0	F8	8752	9.4	Go	8951	9.5	Go	9123	9.5	Go
4	7772	9.0	A7	7988	9.4	F8	8171	9.1	K5	8341	8.8	G5	8505	8.7	A3	8761	9.3	Go	8965	9.0	Ko	9130	8.9	Ko
5	7774	9.5	G5	7992	8.9	Go	8172	9.0	F8	8345	8.9	Ko	8507	9.4	Ko	8762	9.5	G5	8968	9.5	Go	9132	9.0	K2
6	7776	9.1	K2	8001	8.8	Go	8173	8.7	Ko	8348	8.7	K5	8510	9.0	K2	8764	9.2	A5	8969	9.1	F8	9141	8.8	K5
7	7778	9.0	F5	8003	9.5	F2	8180	9.0	Go	8350	9.0	Ko	8512	9.4	Go	8766	9.0	K2	8973	9.4	G5	9143	9.1	Ko
8	7784	9.3	Ko	8004	8.8	G5	8181	9.0	Ko	8351	9.0	Ko	8515	9.1	F5	8773	9.2	Ko	8975	9.4	G5	9154	9.2	K7
9	7789	9.2	Go	8005	9.0	G5	8182	9.0	K5	8360	8.9	G5	8518	9.3	G5	8779	8.9	Ko	8977	8.9	Go	9157	8.9	G5
10	7790	9.3	G5	8009	8.3	G5	8188	9.0	F8	8368	8.8	Go	8519	9.2	Ko	8807	9.4	Go	8981	9.0	A5	9160	9.1	F2
11	7795	9.1	Go	8011	9.1	Mo	8190	9.2	Go	8370	8.8	K7	8530	8.7	K5	8808	9.1	G5	8983	9.0	Ko	9163	9.0	G
12	7799	9.1	F8	8012	9.0	G5	8191	9.0	G5	8372	9.2	Ko	8535	9.0	Go	8814	8.8	G5	8988	9.1	F5	9166	9.3	Go
13	7800	9.0	K2	8014	9.1	K5	8192	9.0	Go	8373	9.4	G	8536	9.4	Go	8820	9.3	A7	8996	8.8	G	9167	9.1	G5
14	7803	8.8	K5	8018	9.5	Fo	8193	9.1	F5	8378	9.0	Go	8537	9.2	Ko	8825	9.3	Go	9003	9.0	F5	9168	8.8	F5
15	7804	9.3	K5	8019	8.9	G5	8194	8.8	Go	8387	9.2	F8	8540	8.8	G5	8828	9.4	K2	9004	9.6	G	9170	9.2	F8
16	7811	9.2	Ko	8021	8.9	G5	8200	9.1	G5	8389	9.1	F8	8544	9.2	K5	8839	9.2	Ko	9005	9.3	K2	9178	9.3	F8
17	7814	9.1	K5	8025	8.4	K7	8202	8.5	Mo	8397	8.7	Ko	8549	9.4	Go	8840	9.0	Ko	9008	9.1	K7	9179	9.3	K5
18	7820	8.8	Ko	8030	9.0	G5	8207	8.7	K7	8398	8.6	K2	8565	8.9	Ko	8849	9.4	F5	9012	9.2	G5	9189	9.0	F5
19	7821	9.2	Ko	8037	9.3	F8	8208	8.4	K5	8402	8.8	F8	8566	9.4	Go	8850	9.4	Ko	9014	9.3	K2	9190	9.0	G5
20	7824	8.9	G	8041	9.2	G5	8213	9.2	Go	8405	8.9	Ko	8567	9.3	Go	8854	9.2	F8	9019	9.2	G5	9193	9.0	Ko
21	7827	9.5	G5	8042	8.6	F8	8216	9.3	F5	8407	9.3	F5	8574	9.1	G	8855	9.5	F8	9023	9.0	Go	9194	8.7	K5
22	7828	8.9	K7	8044	8.8	Ko	8218	8.9	G5	8408	8.4	K2	8575	9.4	G5	8857	9.0	Go	9031	9.5	G5	9199	9.2	G5
23	7829	9.2	A5	8049	9.1	Go	8219	8.8	Go	8410	9.4	G5	8580	9.0	A7	8865	8.6	K5	9033	9.2	Ko	9206	9.3	F2
24	7837	9.0	K7	8057	9.2	K5	8225	8.8	G5	8411	9.1	G5	8581	8.9	G5	8868	9.1	Go	9035	9.5	B	9209	9.1	F8
25	7838	9.2	K2	8058	8.9	G5	8227	9.0	A3	8412	8.2	M1	8583	9.1	G5	8871	8.8	K5	9042	9.4	Go	9219	9.5	Fo
26	7840	9.2	G5	8059	9.2	Fo	8228	8.8	G5	8413	9.1	K7	8598	8.9	Ko	8873	9.0	K5	9049	9.1	G5	9220	9.2	Ko
27	7845	9.2	F5	8062	9.2	G5	8240	9.0	F8	8414	9.0	Go	8603	9.3	M	8875	9.1	K2	9056	9.3	K5	9227	8.6	F8
28	7849	9.2	A5	8069	9.5	G	8253	9.1	G5	8417	9.1	F8	8642	8.7	F8	8880	9.3	G5	9057	8.8	Fo	9229	9.5	K5
29	7852	9.0	F8	8076	8.6	F5	8260	8.4	Ko	8421	9.1	K2	8646	9.5	K2	8882	9.1	K2	9061	8.5	K2	9238	9.0	G5
30	7855	8.7	Go	8077	8.8	Go	8266	8.9	G5	8423	8.7	F8	8653	9.0	G5	8887	8.6	K5	9062	9.0	Go	9242	9.2	Ko
31	7856	9.4	K7	8083	9.3	F5	8267	9.1	G5	8427	8.0	K7	8655	9.4	Ko	8890	9.4	K7	9065	9.0	Ao	9245	8.6	Mo
32	7857	9.2	G5	8086	8.8	F8	8274	9.0	F8	8428	8.4	F5	8656	9.2	Ko	8891	8.6	K2	9069	9.3	K2	9247	9.1	K5
33	7859	8.8	Ko	8087	8.6	Fo	8280	8.2	G5	8429	9.2	Go	8658	9.0	F5	8893	9.1	K7	9070	9.3	F8	9250	9.3	A7
34	7903	9.0	F8	8088	9.2	Ko	8281	9.0	Ko	8432	9.2	K2	8661	9.2	Ko	8902	9.3	Ko	9073	9.2	F5	9256	9.2	G5
35	7905	9.1	Go	8094	8.8	A2	8286	9.0	Go	8434	9.5	Ko	8664	9.0	F5	8907	9.0	K2	9075	9.2	A2	9259	8.3	K2
36	7909	9.4	F8	8095	9.1	A3	8287	8.7	Mo	8442	9.0	A2	8671	9.5	Ko	8909	8.3	K7	9076	9.3	Ao	9260	8.8	F5
37	7910	9.1	G5	8100	9.4	Go	8291	8.9	A2	8445	9.1	K	8677	9.1	Go	8914	8.6	K2	9079	8.9	Ko	9261	9.2	K7
38	7913	9.0	G5	8107	9.0	F8	8292	9.0	K5	8447	9.1	F8	8684	9.1	K5	8917	8.7	K5	9081	8.8	Ko	9266	9.4	K5
39	7915	9.0	Go	8108	8.7	K2	8293	9.3	K	8451	9.0	F5	8693	8.9	G5	8918	9.0	F5	9084	9.3	K2	9267	9.1	Go
40	7925	9.0	G5	8114	8.6	K5	8295	9.0	K5	8453	8.5	Ko	8694	8.9	K2	8919	9.4	F8	9086	9.2	K5	9273	8.6	Mo
41	7929	9.0	G5	8117	8.8	Go	8297	8.3	K2	8456	8.7	K2	8706	9.1	K2	8922	9.0	K2	9095	8.8	F2	9274	9.0	F5
42	7930	9.0	Go	8123	9.2	F5	8302	8.9	K2	8457	9.1	G5	8708	9.1	Go	8923	9.2	Go	9096	8.9	Go	9275	9.5	F8
43	7931	8.8	Go	8130	9.1	Go	8304	9.1	Go	8459	8.9	Go	8709	8.8	K2	8928	8.8	Ko	9099	9.5	G	9276	8.6	Fo
44	7937	9.1	K2	8135	9.0	Go	8305	9.1	F5	8460	9.1	F5	8711	9.4	K5	8929	8.8	Go	9103	8.7	K2	9280	8.5	Go
45	7943	9.2	G5	8136	9.5	F2	8309	9.0	Go	8461	9.1	A5	8732	9.3	Go	8934	9.0	F2	9104	8.9	F5	9284	8.8	K2
46	7948	9.4	K2	8138	9.0	F5	8311	8.5	F8	8462	8.9	F8	8734	9.3	Fo	8935	9.2	F8	9105	9.1	Fo	9286	9.2	A7
47	7949	9.0	K7	8139	8.5	Ko	8318	9.3	K7	8479	9.3	Fo	8735	9.3	K5	8937	9.0	F8	9108	8.8	K2	9287	9.2	G5
48	7951	9.1	F5	8151	9.3	K2	8329	9.4	G	8482	9.2	F8	8737	9.1	F2	8940	9.1	Ko	9113	9.1	K5	9289	9.2	B8
49	7961	9.0	F2	8161	9.4	Go	8331	8.4	Ko	8483	9.0	Fo	8738	9.3	Ao	8945	9.1	Go	9114	9.4	Go	9290	9.1	F8
50	7964	8.6	G5	8162	9.2	G5	8335	9.0	K2	8484	9.4	K7	8742	9.2	Go	8948	9.1	Ko	9116	8.9	F8	9296	9.0	Go

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G No	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	9297	9.0	G5	9453	9.2	F8	9602	9.4	M	9747	9.1	K5	9864	8.9	K5	10045	9.3	Fo	10230	8.5	K5	10383	9.1	K
2	9299	8.8	G5	9454	9.0	Go	9604	9.3	Ko	9748	9.1	Go	9867	9.0	K	10046	9.1	Ko	10231	9.3	Ko	10385	9.1	A7
3	9301	9.5	K5	9455	8.4	Go	9608	8.8	K5	9749	9.0	G5	9870	9.3	F5	10055	8.8	Go	10235	9.2	A2	10386	9.0	K5
4	9302	9.5	Ko	9456	9.1	K5	9610	9.0	F5	9750	9.1	F2	9874	9.1	Ko	10056	8.7	Mo	10239	9.0	Ko	10387	9.0	Fo
5	9303	9.3	Go	9459	8.9	K	9618	9.0	K7	9751	8.5	K2	9875	8.8	Ko	10061	9.1	F8	10241	8.7	K7	10389	9.1	F8
6	9305	9.1	Mo	9460	9.2	G	9619	9.1	G5	9752	9.2	K5	9877	8.8	Ko	10064	8.9	Go	10242	9.3	G5	10391	8.8	Fo
7	9310	9.0	A7	9462	9.0	F8	9620	8.7	K2	9756	8.8	G5	9878	9.0	A2	10067	9.5	F	10245	8.9	F8	10392	9.3	K
8	9311	8.9	K5	9468	8.5	Ko	9622	9.0	K2	9761	9.2	F8	9880	8.4	K2	10071	8.9	A5	10249	8.9	K2	10404	9.0	K7
9	9318	9.3	K5	9469	8.8	G5	9623	9.3	K7	9764	9.4	A3	9883	8.8	M3	10080	9.0	F2	10251	9.1	A2	10405	8.8	Go
10	9319	8.8	K2	9471	9.2	F2	9624	9.0	K2	9767	8.6	Go	9886	9.2	K2	10083	8.7	Go	10252	8.9	K2	10408	9.1	A2
11	9322	9.3	A3	9474	9.2	F8	9625	9.3	A7	9768	9.2	F8	9894	9.0	F2	10084	8.7	K2	10256	9.1	Ao	10409	9.0	F8
12	9326	9.0	F5	9476	9.3	K2	9630	9.3	A3	9771	9.0	Fo	9901	8.0	K5	10090	9.3	Fo	10257	8.6	K5	10410	8.8	K2
13	9332	9.4	G5	9483	9.2	G5	9638	9.3	F8	9773	9.3	K5	9904	8.7	G5	10094	9.1	Fo	10258	9.0	A5	10419	9.0	A7
14	9335	9.3	Ko	9488	9.5	K	9642	8.8	K7	9779	8.9	Go	9907	8.6	K7	10108	9.1	G5	10270	9.2	A2	10422	9.0	F2
15	9338	8.7	Ko	9491	8.6	K2	9643	8.9	Ko	9782	8.9	F8	9908	8.9	K5	10113	8.7	K7	10276	9.2	K5	10429	9.1	F5
16	9339	9.2	K2	9492	9.1	G5	9647	9.2	K2	9784	9.1	Fo	9909	8.9	Go	10114	9.3	F5	10286	9.2	Ko	10430	8.6	F5
17	9340	8.7	F8	9494	8.5	F8	9651	9.3	G5	9787	9.3	F8	9910	9.1	F2	10120	8.8	K7	10288	8.8	K7	10436	9.1	K2
18	9344	8.7	Ko	9496	8.9	G5	9658	9.3	A2	9788	8.6	F5	9914	9.3	Go	10134	9.1	K5	10293	8.9	Ko	10439	9.0	F8
19	9345	9.2	Ko	9499	8.5	G5	9659	8.5	Fo	9789	9.0	Go	9918	9.1	K5	10136	9.1	K2	10298	9.5	F8	10441	9.1	K7
20	9346	8.9	K2	9500	9.1	A	9663	8.6	K2	9790	9.5	K7	9921	8.9	Ko	10139	9.3	F	10299	9.4	Go	10446	9.2	Fo
21	9350	9.2	A7	9502	9.3	A	9664	9.0	Go	9791	8.8	Go	9923	8.3	M3	10143	9.1	Ko	10300	9.1	A5	10450	8.7	K2
22	9351	9.2	G5	9506	9.3	Ko	9668	9.2	Fo	9792	8.9	K5	9926	8.7	K2	10145	9.1	F8	10308	8.9	A5	10452	9.0	K5
23	9354	9.2	K7	9508	9.4	K5	9670	8.3	A2	9800	9.0	K2	9927	9.0	Fo	10146	8.9	K5	10309	9.0	Ao	10453	9.0	K5
24	9358	9.0	Go	9514	9.2	A3	9675	9.4	F5	9805	9.0	Mo	9928	9.4	F8	10148	9.2	Go	10312	9.1	A7	10454	9.1	K5
25	9363	9.1	K2	9525	9.2	G5	9676	9.1	K5	9806	9.0	K5	9931	7.5	Ko	10156	9.3	Go	10317	8.9	Go	10456	8.7	K2
26	9367	9.1	F5	9527	9.5	G	9682	9.3	K2	9809	9.1	G5	9938	9.2	A5	10157	9.0	Ao	10320	9.1	Fo	10458	9.1	K5
27	9369	9.4	Go	9528	9.1	K2	9684	9.0	M2	9814	8.8	Fo	9939	8.8	Ko	10158	9.3	Fo	10321	8.9	K5	10459	9.4	A7
28	9370	9.4	K5	9532	8.6	Ko	9685	9.1	G5	9815	9.1	K	9949	9.2	Mo	10159	8.7	K2	10322	8.9	F5	10462	9.3	F5
29	9382	9.0	Ko	9533	9.0	Ko	9689	9.2	Ko	9820	8.6	K7	9950	9.0	A7	10160	9.2	Ko	10325	8.8	Go	10464	8.9	K7
30	9384	8.4	Go	9534	8.9	Go	9692	8.9	K7	9822	8.9	Ao	9952	9.0	F2	10162	9.2	F5	10327	8.9	A2	10468	9.0	Ko
31	9387	9.2	K7	9539	8.6	Go	9694	8.9	F5	9823	9.1	K7	9955	9.0	Ko	10174	9.0	G5	10328	9.2	A2	10470	9.1	Go
32	9389	9.3	A7	9552	8.8	K2	9695	9.4	Fo	9825	9.0	K2	9957	8.4	F5	10176	9.0	A2	10329	8.9	Go	10474	9.2	G5
33	9392	9.1	G5	9556	9.4	F8	9698	9.2	F2	9828	8.5	K2	9958	8.7	F5	10177	9.0	A7	10333	8.4	Fo	10476	8.6	Ko
34	9393	8.8	F8	9559	8.8	K2	9699	8.7	Mo	9829	8.8	Fo	9961	8.9	A2	10179	9.2	F2	10334	8.9	K5	10479	9.5	G
35	9398	8.6	K7	9563	9.3	Ko	9706	9.2	Go	9832	8.9	A2	9963	9.1	K2	10180	8.8	K7	10336	8.6	F5	10480	9.1	A3
36	9403	9.0	Fo	9568	8.6	K2	9712	8.8	A7	9833	9.0	F	9972	9.0	K5	10182	8.7	G5	10338	9.1	Go	10481	9.1	K5
37	9404	8.9	A	9572	9.0	Go	9714	8.6	K2	9834	8.2	Fo	9978	9.2	G5	10183	9.0	A3	10343	9.2	Ko	10485	9.1	F2
38	9407	9.2	G5	9573	9.2	Ko	9716	8.7	G5	9835	9.1	K7	9989	8.9	G5	10186	9.3	A	10345	8.9	G5	10486	9.3	A
39	9411	9.2	A2	9575	9.3	A5	9722	8.8	Fo	9837	8.9	G5	9995	8.9	F5	10188	9.1	K7	10346	9.5	F5	10490	8.8	K2
40	9414	8.6	G5	9577	9.4	F5	9726	8.7	F2	9838	8.9	A5	9996	9.1	Ko	10189	9.1	Go	10349	9.3	K2	10493	9.3	Ao
41	9430	9.1	Go	9578	8.7	K2	9727	9.3	G5	9840	8.9	K7	10005	8.9	Ko	10198	8.7	Go	10353	9.2	Go	10496	8.5	K5
42	9434	9.4	Fo	9581	9.2	F2	9729	8.8	K5	9842	8.8	K5	10010	9.2	F8	10199	8.7	Ko	10355	9.2	Ko	10497	8.7	A3
43	9435	9.1	F8	9582	9.5	Ko	9730	9.0	Ko	9843	9.2	F5	10011	9.2	F2	10201	9.1	A2	10356	9.4	K5	10501	9.2	F8
44	9436	8.6	F8	9583	9.0	Fo	9731	9.2	F2	9846	8.9	G5	10013	9.0	F8	10204	9.1	K2	10358	8.1	Mo	10503	9.3	K
45	9438	9.2	Go	9588	8.6	Go	9733	9.3	Ko	9848	7.7	K5	10017	9.1	Go	10206	8.5	G5	10360	9.3	K5	10505	9.0	Ko
46	9444	9.0	K7	9592	9.0	G5	9740	9.0	A5	9850	8.9	G5	10018	8.5	K7	10213	9.1	F8	10365	8.7	K5	10506	9.1	G5
47	9445	9.4	F5	9593	9.0	Ao	9741	9.1	Ao	9851	9.3	F5	10020	8.8	F2	10216	9.3	K2	10366	9.0	A5	10508	9.1	Mo
48	9446	8.7	G5	9599	8.7	A7	9742	9.1	Ko	9852	8.8	A3	10026	9.2	K	10219	9.2	K7	10371	9.0	Ao	10509	9.0	K2
49	9451	8.4	K5	9600	9.3	Go	9745	9.1	F5	9859	9.0	F8	10037	9.0	K2	10221	9.4	F8	10376	9.3	F8	10511	9.0	G5
50	9452	9.3	K5	9601	9.5	G	9746	9.2	K5	9861	9.2	F	10042	9.2	K7	10224	9.0	G	10382	9.0	K2	10513	8.5	Ko

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	10516	9.0	G5	10637	8.7	Fo	10768	8.9	Mo	10900	9.2	K	11047	9.0	A5	11193	9.0	K2	11344	8.7	K7	11482	8.7	Ko
2	10517	9.0	Ao	10639	8.7	Mo	10772	9.0	G5	10901	9.2	K5	11049	8.9	F8	11194	8.9	K7	11346	9.0	Go	11487	9.0	A5
3	10518	8.7	K5	10643	8.8	Ko	10776	8.4	Go	10907	8.4	K5	11050	8.7	Ko	11200	9.0	Ko	11347	9.1	Go	11489	9.1	Go
4	10520	9.4	F8	10648	8.9	Ko	10777	9.0	K	10908	9.4	Go	11051	9.1	Go	11202	9.0	G5	11349	8.6	G5	11492	9.1	A3
5	10523	9.0	K7	10650	9.4	A2	10778	8.1	K5	10909	8.7	K2	11052	8.7	Ko	11203	8.8	A7	11353	9.1	Ko	11493	9.2	G5
6	10526	8.4	G5	10655	9.1	F5	10784	8.9	K5	10916	8.3	K7	11053	9.1	A2	11207	8.8	A3	11356	8.0	Ko	11494	9.1	Go
7	10527	8.5	K5	10656	9.2	G	10785	8.7	K5	10926	9.4	Go	11056	9.3	Ao	11210	9.2	F5	11358	9.1	A2	11502	9.3	K2
8	10529	8.9	A5	10657	9.0	K5	10787	9.2	Go	10929	8.8	Mo	11058	9.3	K7	11212	9.2	Ko	11360	9.3	A2	11505	8.6	K2
9	10535	9.0	Go	10660	8.8	K2	10788	9.0	K2	10933	9.2	Ko	11059	8.8	K7	11219	8.6	G5	11361	8.0	Mo	11510	9.1	G5
10	10538	9.1	B5	10662	9.2	Go	10789	9.1	G5	10945	9.1	Go	11060	9.0	Ko	11224	9.3	K2	11365	9.3	G5	11517	9.5	K
11	10539	9.5	F	10663	9.1	G5	10790	9.1	A7	10949	8.7	Ko	11063	8.8	Go	11226	9.0	F8	11366	8.7	Ao	11519	9.0	Go
12	10541	9.1	Fo	10665	8.4	K5	10791	9.1	Fo	10950	9.1	Fo	11064	9.0	K7	11229	8.7	Ko	11369	9.5	F5	11523	8.7	Fo
13	10542	8.7	A2	10666	9.0	F5	10793	9.1	A7	10953	9.0	Fo	11065	9.1	F5	11230	8.7	Ko	11373	8.9	Ao	11525	8.8	G5
14	10548	9.1	Go	10667	9.0	A5	10797	9.1	Go	10954	9.4	Ko	11072	9.1	B8	11231	..	Ao	11376	8.4	K2	11526	9.5	F
15	10549	8.7	K5	10669	9.2	A3	10800	8.8	Ao	10955	9.0	Ao	11074	8.7	Mo	11232	8.5	Ko	11378	8.5	Ko	11528	8.5	A2
16	10550	9.0	A5	10670	9.3	F2	10803	9.1	Go	10956	8.4	K5	11076	9.2	K	11233	9.0	Ko	11380	8.6	F8	11534	9.1	F5
17	10553	8.4	K7	10672	8.9	K2	10804	9.0	G5	10960	8.9	A5	11083	8.8	F2	11235	9.2	Ko	11382	9.3	G	11543	8.8	A5
18	10556	9.3	Go	10677	9.2	Ko	10805	8.9	K7	10962	9.3	F2	11085	9.2	F8	11236	8.6	Ko	11385	8.8	K5	11549	9.2	F8
19	10558	8.8	Ko	10681	9.1	F5	10811	9.0	Ko	10963	8.8	K2	11090	8.8	Ko	11239	9.4	A3	11387	9.0	B9	11552	9.1	Ao
20	10561	9.2	F8	10683	9.1	Go	10812	9.0	K5	10969	9.0	Fo	11091	9.3	F8	11240	9.0	F2	11388	9.5	K5	11553	9.2	A2
21	10563	9.2	Go	10693	9.0	F5	10814	8.5	Ko	10973	9.4	K2	11092	8.9	K5	11242	9.1	Ao	11389	8.9	B8	11554	9.4	A2
22	10564	8.8	F8	10701	9.0	K7	10818	9.0	A3	10975	8.8	K5	11095	9.0	Ao	11244	9.1	Ko	11395	8.6	A7	11557	8.8	A
23	10566	9.0	F5	10703	8.9	Go	10819	9.1	F2	10977	9.1	F5	11096	9.1	Ko	11253	8.7	Go	11396	9.1	A3	11561	8.6	A5
24	10573	9.2	A2	10705	9.0	G5	10826	9.0	Mo	10978	8.9	K5	11098	9.1	K7	11255	8.5	Go	11397	8.6	Ko	11564	8.8	F2
25	10575	9.0	Ao	10708	9.1	F8	10827	8.8	G5	10982	9.0	G	11104	8.7	Ko	11256	8.4	K5	11401	9.3	F8	11565	8.1	K7
26	10577	9.0	G5	10710	8.9	Ko	10831	8.6	K7	10985	8.7	A3	11106	8.8	B3	11259	8.9	B8	11405	8.7	Ko	11567	8.7	Ko
27	10582	8.9	Fo	10711	9.3	K5	10834	9.0	K2	10987	9.0	A3	11108	8.6	K5	11261	8.6	G5	11407	9.1	A5	11568	9.0	F8
28	10583	9.1	Ko	10716	9.0	Ao	10835	9.1	Ko	10988	9.0	A5	11112	9.4	K	11262	9.1	K5	11409	8.8	K2	11569	9.2	F
29	10587	9.2	G5	10718	8.5	K7	10839	9.0	K	10989	9.0	A7	11115	9.2	K7	11267	9.3	F8	11410	9.0	F5	11575	8.8	G5
30	10588	9.0	K5	10721	8.1	K2	10842	8.6	Ko	10990	9.1	K5	11120	9.0	Ko	11268	9.0	A5	11415	8.9	Ao	11576	..	G5
31	10591	8.8	G5	10722	9.1	A2	10845	9.1	Go	10992	8.8	Fo	11121	9.0	Go	11270	9.3	Go	11418	9.0	Fo	11578	9.1	F2
32	10594	8.8	Go	10727	9.0	F5	10846	9.0	K	10996	9.0	M3	11125	8.5	Mo	11271	8.3	K5	11423	9.1	K7	11584	8.2	K7
33	10595	9.0	Mo	10728	8.9	Ko	10849	9.0	F5	10999	9.1	F8	11129	9.4	K5	11272	8.9	F8	11429	8.4	G5	11586	9.0	K5
34	10598	9.4	G5	10729	9.3	A3	10851	9.0	A3	11004	8.9	Ko	11131	9.3	K	11273	8.8	Ko	11437	8.7	Ao	11587	9.1	F8
35	10601	9.2	K2	10730	8.3	G5	10853	9.3	A2	11009	9.0	Ko	11140	9.2	Fo	11274	9.0	Ao	11441	8.9	K7	11589	9.0	Fo
36	10604	9.2	A5	10732	8.9	Go	10856	9.1	A5	11012	8.9	A3	11142	8.7	K2	11275	8.5	G5	11442	8.5	B5	11592	8.5	K7
37	10609	9.1	G5	10733	8.9	G5	10866	8.7	F8	11015	9.1	Ko	11143	8.4	Mo	11281	9.1	Go	11444	9.1	Mo	11603	9.1	F5
38	10611	9.3	F5	10737	9.0	Ko	10867	9.1	F8	11016	9.0	F5	11145	9.3	K5	11286	9.2	F8	11448	9.3	K7	11604	9.5	F
39	10612	9.1	A5	10742	8.2	Go	10868	8.5	Ao	11017	8.8	G5	11147	9.1	F8	11290	9.0	K7	11449	9.0	A2	11605	8.4	K2
40	10613	8.6	K5	10743	9.1	K	10870	9.1	Ao	11021	9.1	Ao	11150	9.1	G5	11292	8.9	F5	11452	9.4	F5	11608	9.1	F8
41	10614	9.0	K5	10744	8.7	K2	10871	9.3	K2	11023	9.4	K	11157	9.1	A	11309	9.3	Ao	11456	9.1	K5	11611	9.2	G5
42	10616	9.0	Ko	10748	8.8	K7	10872	9.0	F2	11027	9.0	G5	11161	9.0	A	11318	8.5	Mo	11458	9.3	F8	11614	8.6	K5
43	10618	9.2	K5	10751	8.7	K5	10873	9.1	A3	11030	9.0	Ko	11168	9.4	K	11320	8.7	Ko	11461	9.2	A2	11624	9.1	G
44	10620	9.2	A7	10753	9.5	F	10875	8.9	F8	11031	8.5	K7	11170	8.7	G5	11322	8.9	K5	11469	9.0	F2	11626	9.1	A2
45	10623	9.1	K5	10755	8.9	G5	10877	9.3	K2	11032	9.2	Go	11175	9.3	K5	11326	9.0	K5	11473	9.0	Ko	11640	9.4	F5
46	10624	9.0	G5	10757	8.9	G5	10883	8.6	K5	11033	8.9	Ao	11176	9.1	A3	11331	9.0	Fo	11474	8.9	K5	11641	9.1	G
47	10626	9.0	Go	10762	9.1	K7	10887	9.0	Ao	11035	9.0	A7	11177	9.2	K7	11332	9.0	Ko	11475	9.1	Ko	11643	9.3	K
48	10630	8.9	K2	10764	8.7	F8	10893	9.0	Ao	11040	9.1	F5	11184	9.0	F5	11335	9.0	Ko	11476	9.0	Go	11646	8.9	B8
49	10633	9.3	Ko	10766	8.8	K2	10895	9.1	Ko	11041	9.2	G5	11185	8.5	K2	11338	8.1	Ko	11477	9.5	G5	11649	9.3	K
50	10634	8.7	F2	10767	8.9	K5	10896	8.6	Ko	11043	8.9	Ko	11191	8.9	K5	11342	8.6	G5	11480	9.1	F8	11651	8.9	Ko

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	11653	9.0	F5	11851	9.2	Ao	11981	8.8	B3	12155	8.6	K5	12323	8.9	K5	12474	9.2	A2	12653	8.6	K7	12833	9.0	M
2	11655	9.0	G5	11853	8.9	Fo	11983	9.0	Go	12157	8.7	B5	12326	9.0	G5	12475	9.5	K5	12654	9.3	Ao	12835	9.1	M
3	11656	8.9	Fo	11854	9.0	Ao	11987	8.6	K5	12159	8.5	Ao	12328	9.0	F5	12476	9.2	Fo	12655	8.6	Fo	12837	9.0	F8
4	11659	9.0	A5	11855	8.4	K5	11988	8.5	K7	12161	8.7	Go	12330	8.8	Ao	12478	9.3	G5	12664	8.9	K7	12838	9.0	A3
5	11662	8.6	F5	11857	9.2	Fo	11991	8.2	B3	12168	9.2	F8	12332	9.0	Fo	12483	8.8	K2	12666	9.3	G	12841	9.2	A
6	11663	9.2	A	11858	8.9	A5	11997	9.2	Fo	12170	9.0	Ao	12333	8.6	Fo	12484	8.4	K5	12672	8.5	Ko	12842	8.2	F2
7	11664	9.2	Go	11859	9.4	Ko	11998	9.2	K5	12171	8.9	Go	12337	8.7	G5	12490	8.9	Ao	12674	8.5	A5	12845	8.7	Ko
8	11665	9.0	K5	11861	9.1	A7	12000	9.4	K	12172	9.3	G5	12343	9.2	A	12492	9.0	Bo	12679	9.1	F2	12846	9.0	K2
9	11681	8.7	Ko	11865	8.3	Mo	12004	8.7	Go	12176	9.1	A5	12344	9.5	A	12496	9.0	A2	12680	9.3	A	12850	9.2	Ko
10	11692	8.8	B5	11867	8.6	K7	12006	9.4	A3	12180	9.0	K7	12355	9.0	B3	12499	8.4	K5	12681	8.8	K2	12851	8.9	Ko
11	11695	8.6	B8	11868	8.6	Ao	12009	9.0	Ko	12184	8.2	K5	12361	8.8	Go	12500	9.1	Mo	12682	9.0	K5	12856	9.1	B9
12	11697	9.2	K5	11869	8.7	K5	12010	8.8	G5	12186	8.8	K2	12363	8.6	B2	12505	9.2	A7	12684	9.4	B	12857	9.2	Ao
13	11701	9.2	G	11870	8.6	F2	12012	9.0	Fo	12189	9.5	A	12364	9.1	A7	12507	8.9	K7	12690	9.0	Fo	12860	8.8	M
14	11702	8.2	K7	11872	9.2	A2	12015	9.2	B9	12195	8.4	K5	12365	9.0	K5	12508	9.3	F8	12692	8.6	K7	12866	9.2	F8
15	11704	8.9	K2	11874	9.4	F5	12018	9.0	A5	12196	9.0	A3	12366	9.0	Go	12512	8.9	Ao	12697	9.1	Go	12872	8.6	F5
16	11710	9.1	G5	11875	9.2	A	12019	9.4	A7	12198	9.2	A3	12370	9.2	F2	12514	9.5	F8	12698	8.9	Ko	12874	9.1	B3
17	11712	9.1	F5	11880	7.8	Fo	12020	8.8	G5	12200	9.1	B8	12371	9.0	Ao	12515	8.9	B	12699	9.0	F8	12887	8.8	B8
18	11714	9.1	A	11886	9.4	F8	12024	8.5	Bo	12204	9.4	B5	12372	9.3	Go	12519	8.9	A2	12703	8.7	Fo	12891	8.5	B8
19	11716	8.9	F5	11895	9.1	F8	12026	8.6	Ko	12205	9.1	K2	12378	8.6	Ao	12523	9.1	F2	12705	8.9	A7	12892	9.3	A
20	11720	8.9	Ao	11899	8.9	A3	12033	9.1	Ao	12209	9.0	A2	12379	9.2	F5	12524	9.0	Fo	12713	9.1	B8	12894	9.5	A
21	11721	8.8	K5	11900	9.4	A5	12036	9.0	B8	12212	8.6	Bo	12385	8.8	K5	12525	9.4	Go	12714	9.2	Ao	12895	9.3	F2
22	11732	9.4	A	11905	9.0	F2	12045	9.2	F5	12213	9.2	Fo	12387	9.0	B3	12538	9.4	B	12719	9.1	G5	12896	9.0	B8
23	11733	9.0	Ao	11909	9.0	G	12049	9.1	M2	12214	9.2	B9	12389	8.9	Mo	12540	9.5	F	12722	8.6	Go	12897	9.0	A5
24	11736	9.2	Go	11914	8.8	Ko	12050	9.0	Ko	12217	8.4	K2	12392	8.8	B3	12546	9.1	F2	12726	8.6	K2	12908	8.5	Ko
25	11739	9.0	A	11916	9.1	A2	12051	9.4	A2	12219	9.0	B5	12401	8.7	B8	12551	9.0	K5	12728	9.0	K	12911	8.3	K5
26	11746	9.0	G5	11921	9.2	Ao	12053	9.1	Bo	12224	8.7	B2	12403	8.6	Ko	12553	9.5	A	12732	8.9	A5	12914	9.4	K5
27	11747	8.7	G5	11922	8.8	Mo	12057	8.8	G5	12229	8.8	Ko	12405	8.8	B5	12554	9.6	A	12740	9.4	A	12916	9.3	A2
28	11750	9.4	K5	11923	9.0	G5	12060	9.1	F2	12231	9.4	A5	12406	8.5	Ao	12556	8.8	Mo	12741	9.0	B	12917	8.6	K7
29	11764	9.4	Go	11924	8.7	F8	12065	9.5	F8	12233	9.1	A7	12407	8.6	B3	12557	9.0	K7	12744	8.6	Fo	12928	9.2	Fo
30	11767	9.3	K7	11927	8.8	F2	12067	8.9	Ko	12238	8.8	F8	12410	9.1	Go	12560	9.2	Go	12747	8.7	Ko	12932	9.2	G5
31	11768	9.1	G5	11933	7.0	B	12077	8.7	K5	12244	8.9	B3	12415	8.8	B5	12565	9.5	G	12748	9.0	K5	12933	9.2	Go
32	11770	9.0	K5	11935	9.0	F5	12084	9.3	G5	12259	8.5	K2	12417	9.2	B8	12567	9.1	G5	12750	8.8	Ko	12940	9.4	F8
33	11771	9.0	Ao	11938	9.4	F2	12086	9.2	A	12260	8.9	B5	12423	9.2	B2	12577	8.9	K5	12755	8.5	G5	12941	9.0	Ko
34	11772	8.9	F5	11943	9.1	K7	12088	9.1	A3	12267	8.8	K5	12429	8.9	K2	12584	9.0	Go	12757	9.0	K5	12943	9.2	Go
35	11787	9.0	A	11945	9.0	K2	12092	9.3	K7	12269	9.0	B9	12432	9.4	Fo	12589	9.2	F8	12760	9.0	A2	12945	9.2	G5
36	11792	9.1	Go	11946	9.0	B9	12098	9.0	K7	12270	9.4	A2	12435	9.0	Fo	12590	8.9	A2	12767	9.1	Mo	12947	8.6	Bo
37	11797	8.4	K5	11948	9.0	F2	12107	8.6	G5	12271	9.2	B8	12438	8.6	K2	12599	9.0	B9	12768	9.0	K5	12949	9.0	A5
38	11798	8.7	Ko	11953	8.8	F5	12113	9.0	K5	12272	8.3	K7	12440	8.4	B3	12600	9.2	Fo	12769	8.8	Go	12950	9.4	Fo
39	11799	9.4	A2	11957	9.0	A2	12117	8.8	B8	12273	8.6	B2	12443	9.5	F8	12606	9.0	B2	12770	8.9	M	12952	9.3	A3
40	11808	9.0	F5	11959	9.0	Go	12118	9.2	Fo	12276	9.2	K5	12446	9.4	G	12607	9.2	Go	12775	8.6	B8	12953	8.7	K5
41	11818	9.1	A5	11963	8.9	Go	12124	8.8	F5	12277	8.8	Ao	12448	8.8	F5	12608	9.1	Ko	12777	8.8	B3	12954	9.1	A2
42	11819	9.5	G	11965	8.8	G5	12125	9.1	A5	12278	9.0	B3	12449	8.8	B3	12611	9.0	Ao	12779	9.1	A5	12956	8.8	Go
43	11821	9.0	Go	11966	8.8	G5	12126	8.3	Ko	12287	9.1	B3	12452	8.6	B	12613	8.8	K5	12795	9.0	A2	12957	9.2	Go
44	11829	8.6	F5	11970	9.2	Ko	12131	8.9	B3	12290	9.5	F8	12455	8.7	K7	12623	9.4	F5	12796	9.2	Ao	12958	9.1	K2
45	11833	9.4	K5	11971	8.9	B2	12139	8.2	Fo	12303	9.2	A3	12457	8.6	B3	12628	8.5	G5	12800	9.1	G5	12961	8.7	B2
46	11837	9.1	A2	11973	9.0	F5	12140	9.0	A5	12306	9.0	Mo	12459	9.5	A5	12637	8.3	K7	12813	9.1	A2	12965	9.0	F2
47	11838	9.3	G	11975	9.0	K2	12141	9.2	Ao	12316	9.0	B9	12468	9.0	Fo	12639	9.0	A2	12819	8.8	Ao	12969	9.2	Go
48	11848	8.8	Go	11976	9.0	Ao	12143	9.0	F8	12317	9.0	Ko	12469	8.6	B2	12641	9.0	Ko	12823	9.4	A7	12970	8.4	A7
49	11849	9.1	F5	11979	8.8	K5	12149	9.0	B3	12320	9.0	A2	12472	9.2	Ao	12649	9.3	F8	12825	8.5	Mo	12972	9.0	A2
50	11850	9.1	G5	11980	8.6	B3	12153	9.5	B9	12322	8.8	B	12473	9.1	B5	12652	9.2	G	12832	9.1	F2	12976	8.7	B9

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H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	12978	9.0	Fo	13140	8.7	Ko	13275	9.2	A5	13407	8.8	Go	13523	9.1	Ko	13636	9.2	A	13778	8.5	F8	13925	9.0	Go
2	12982	9.1	Ao	13149	9.1	K5	13276	9.1	B5	13408	9.2	A2	13528	9.2	B9	13639	8.1	Ko	13780	9.0	K5	13927	9.0	B5
3	12988	9.2	A7	13152	9.0	K7	13279	9.5	Fo	13409	8.8	Fo	13529	8.8	F5	13640	8.9	B5	13783	9.4	B8	13928	8.7	A2
4	12993	9.0	F2	13153	9.0	B5	13280	9.2	F8	13410	9.5	B8	13534	8.8	G5	13641	8.3	K5	13785	9.0	Fo	13929	8.5	Mo
5	12997	8.9	F5	13154	9.2	B8	13281	8.7	A2	13411	9.4	B5	13539	8.4	K5	13642	9.1	K7	13787	9.0	K2	13936	9.1	Ao
6	12998	9.2	Fo	13156	9.0	B9	13288	9.0	Go	13412	9.2	F5	13542	9.2	A2	13644	8.6	A2	13795	9.1	B8	13938	8.7	Bo
7	12999	9.1	K5	13159	9.1	F5	13289	9.2	F8	13416	8.9	Ko	13545	9.2	F2	13647	9.1	Ao	13796	8.9	A3	13942	9.1	A5
8	13002	9.0	A5	13160	9.0	F2	13290	9.1	G5	13417	9.4	B8	13546	9.1	G5	13648	9.1	K	13802	9.4	B8	13943	8.9	G5
9	13009	9.1	A5	13161	8.9	K7	13305	8.8	Ko	13419	9.0	Go	13548	9.1	Ao	13653	8.9	B5	13803	9.3	B8	13944	8.8	Go
10	13011	9.0	F5	13170	9.1	M	13308	9.3	B	13423	8.9	A2	13550	9.2	B9	13654	9.3	B	13806	8.4	K7	13945	9.1	A3
11	13012	9.1	K7	13172	8.6	F8	13311	8.7	K7	13426	9.0	A5	13551	9.1	K5	13655	9.0	A5	13808	8.1	Ko	13947	8.9	F2
12	13014	9.1	F5	13174	9.0	Ao	13312	8.5	K7	13430	8.4	F5	13552	9.0	Ao	13657	9.0	A2	13810	9.0	G5	13959	8.4	Go
13	13016	9.4	A	13176	8.9	Ao	13313	8.3	K7	13432	8.0	Ko	13553	8.8	Ao	13661	8.8	A7	13812	8.4	K2	13962	8.2	K5
14	13021	8.9	Go	13179	9.3	M	13315	9.0	Ko	13433	9.1	A2	13555	8.8	Ao	13664	9.0	Ko	13813	9.0	Ao	13963	9.2	B8
15	13025	8.5	G5	13182	9.3	Fo	13320	9.3	B	13434	9.1	Go	13556	8.5	K2	13665	9.5	B	13814	9.2	A5	13969	9.1	F5
16	13027	8.6	Ko	13186	8.8	Mo	13321	9.1	B	13436	9.0	G5	13558	8.7	K5	13667	8.6	Ko	13815	9.1	A2	13973	8.7	Ao
17	13031	9.0	F5	13188	9.1	B2	13326	9.0	B9	13437	9.1	A	13559	8.7	K2	13670	8.8	K2	13818	9.5	K	13974	8.7	A5
18	13033	8.8	K5	13192	9.3	Fo	13327	9.3	B5	13438	9.1	B	13562	8.6	Go	13673	8.9	Bo	13821	9.3	B9	13977	9.2	A3
19	13034	9.0	F8	13196	8.9	K7	13328	9.0	K5	13441	9.0	A3	13565	9.0	Ko	13674	7.8	K5	13825	9.2	F2	13978	9.1	K5
20	13039	9.5	K5	13197	8.2	Mo	13332	9.1	F5	13444	8.8	Ko	13566	8.8	K2	13676	8.6	Ko	13829	9.0	B8	13979	8.5	Mo
21	13042	8.5	Go	13199	8.6	Mo	13334	8.6	F5	13447	8.6	A3	13567	8.9	B8	13680	9.1	B	13831	8.7	B5	13982	9.0	B8
22	13047	9.2	B	13200	8.8	A5	13335	9.3	Go	13450	8.8	F5	13571	9.1	Ao	13683	8.6	K2	13834	8.8	Ao	13985	8.9	Mo
23	13057	8.8	B	13207	8.7	K5	13337	8.9	Fo	13453	8.8	G5	13574	8.6	Ao	13691	9.0	K5	13835	9.3	B8	13988	9.3	B3
24	13061	9.4	F2	13208	8.8	A3	13341	9.0	G5	13454	9.0	G5	13575	9.0	Ao	13692	8.9	K5	13836	8.4	K5	13996	9.2	Ao
25	13064	9.0	Mo	13211	9.4	Ko	13342	9.1	F8	13455	9.0	B2	13581	9.2	Ko	13693	9.2	B9	13837	9.1	Ao	13997	8.4	Mo
26	13067	8.8	G5	13213	9.1	K5	13344	8.8	K2	13456	8.9	K5	13583	9.1	K2	13697	8.8	K2	13840	9.1	K5	13998	9.1	Go
27	13070	9.0	Ko	13214	9.2	Ao	13346	9.4	Ao	13457	9.0	B8	13585	8.9	A2	13701	9.5	M	13843	8.2	B8	14000	9.2	B9
28	13073	8.4	Go	13215	8.1	Mo	13349	8.8	Go	13464	9.1	Ko	13588	9.0	K7	13702	9.0	G5	13850	9.2	F2	14005	9.1	F5
29	13076	9.0	F8	13216	8.8	Ko	13351	9.0	Go	13473	9.1	A5	13596	9.0	Mo	13705	9.0	B5	13852	9.2	Ao	14007	9.1	Fo
30	13077	9.1	Fo	13218	8.4	Ko	13352	9.1	F2	13476	8.8	Ao	13597	9.0	F8	13706	9.1	Fo	13853	9.0	B3	14008	8.9	A2
31	13083	9.4	A2	13221	8.6	Go	13355	9.3	K5	13477	9.1	B8	13598	9.3	Ao	13708	8.5	B8	13857	9.2	B8	14010	9.2	Ao
32	13095	9.2	A2	13223	8.7	B3	13358	8.6	A5	13478	9.3	K5	13601	8.8	B8	13709	9.3	B3	13859	8.0	K7	14011	8.6	Mo
33	13096	8.7	F5	13224	8.9	K5	13363	8.8	B8	13479	9.1	F2	13603	8.8	F5	13710	9.2	B5	13864	9.1	B9	14013	8.8	A2
34			A3	13225	9.0	B9	13364	9.4	A	13480	8.6	G5	13604	8.6	F5	13722	8.9	G5	13867	9.1	Bo	14016	8.6	Ao
35	13097	8.9	K2	13228	9.4	A5	13370	8.8	A7	13481	9.2	A2	13605	9.0	K7	13724	8.7	F5	13869	9.4	Ao	14020	8.5	Ao
36	13101	8.9	B8	13231	9.0	Ao	18376	9.4	F8	13483	9.0	F5	13609	9.4	K2	13729	9.3	K7	13875	8.5	F8	14021	8.8	B5
37	13102	9.0	F5	13233	8.4	K7	13379	8.8	G5	13486	9.0	Ao	13611	9.5	F8	13737	9.3	K5	13882	8.0	K2	14022	9.1	Ao
38	13103	8.5	K5	13237	8.6	K5	13381	8.8	G5	13492	9.0	Fo	13612	9.4	Ao	13740	9.0	K5	13884	8.5	K2	14023	9.3	A3
39	13104	9.2	A3	13239	9.0	B	13383	8.7	A3	13493	9.0	B9	13613	9.4	K	13741	9.0	Ko	13889	9.0	Ko	14025	9.1	F2
40	13105	8.8	F2	13250	9.2	Fo	13386	9.2	Go	13496	9.2	Go	13614	9.2	B9	13747	9.1	B3	13890	9.0	A7	14028	8.7	A2
41	13107	8.8	K7	13251	8.5	Mo	13387	9.3	G5	13497	9.0	Ao	13615	8.9	F5	13758	9.3	F8	13894	8.8	Ao	14030	9.2	K
42	13112	8.8	F5	13252	8.8	K7	13388	9.2	F8	13500	9.1	F8	13619	8.8	Mo	13759	8.9	K5	13897	9.4	A2	14031	9.2	B9
43	13113	8.9	Fo	13255	9.1	F5	13389	9.3	B5	13503	9.2	F5	13621	9.1	Ao	13761	8.8	F5	13900	9.0	Ao	14032	9.0	Ao
44	13115	9.2	F8	13258	9.0	F8	13391	9.2	K	13504	9.1	B9	13622	8.9	A3	13765	9.2	K7	13904	9.0	A3	14034	9.1	B9
45	13117	9.5	A	13263	9.3	Ao	13392	9.0	A2	13505	9.4	Go	13623	9.3	Go	13766	9.2		13906	8.9	B9	14037	9.1	F5
46	13124	8.3	Mo	13267	9.0	A2	13396	9.0	M3	13508	9.2	B9	13625	9.2	B3	13769	9.2	A2	13907	9.0	A5	14040	9.1	A5
47	13125	9.4	B8	13269	9.0	Ao	13401	9.2	B	13509	8.6	K5	13627	9.5	A3	13771	9.3	B5	13914	8.0	K5	14045	9.0	B8
48	13126	8.9	A2	13270	9.2	B8	13402	9.1	A3	13510	9.0	Ao	13630	9.0	B9	13772	8.6	A2	13920	8.4	Ao	14052	9.4	K
49	13128	9.5	B8	13271	8.4	Mo	13403	9.1	A7	13512	9.1	B8	13634	9.2	K5	13774	9.0	Ao	13922	9.1	B8	14056	9.0	F8
50	13131	9.1	B8	13274	9.0	F5	13405	9.0	B5	13520	9.1	Ko	13635	9.0	K5	13776	8.9	Mo	13923	8.6	Bo	14058	8.4	Mo

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240300 240400 $23^h\ 21^m.2$ to $23^h\ 59^m.8$

H.D.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.	A.G. No.	A.G. Mag.	Sp.
1	14061	8.7	Fo	14150	8.1	Ko	14225	9.1	Ao	14309	9.0	B8	14378	9.1	Ao	14450	8.6	F5	14520	8.2	F8	14615	9.0	K5
2	14062	9.3	A5	14153	8.6	K2	14227	9.0	B5	14312	9.2	A2	14382	8.3	K5	14451	9.1	F8	14525	9.1	A5	14616	8.9	Go
3	14067	9.2	G5	14158	9.3	F	14230	9.4	A5	14314	8.5	Mo	14383	9.2	A2	14453	9.1	F2	14531	9.1	A3	14617	9.0	B8
4	14068	9.2	F8	14163	8.5	F8	14232	8.6	Ko	14315	9.2	Fo	14384	8.1	Ko	14455	9.3	Ko	14532	9.1	A	14618	9.4	A
5	14073	8.9	Ao	14168	8.6	Ko	14234	9.4	Go	14317	8.8	F2	14385	9.4	G	14457	9.2	Go	14534	9.0	Go	14619	8.9	K
6	14085	9.1	K2	14171	9.1	A7	14239	9.0	Ao	14318	9.5	Ao	14388	9.3	Ko	14458	9.0	F2	14535	8.9	Ao	14620	9.0	Ko
7	14087	8.2	K5	14173	9.1	B8	14244	9.1	Go	14320	8.9	Ao	14392	9.1	B9	14463	9.2	K5	14540	9.0	F2	14621	9.0	F8
8	14091	7.8	B5	14174	8.6	B5	14255	9.5	Ao	14324	8.3	K5	14393	8.9	Mo	14470	8.9	K5	14541	9.1	B	14622	9.1	B9
9	14094	9.2	B9	14177	9.1	A5	14256	9.0	Ao	14331	8.5	Go	14394	9.3	B3	14473	9.2	B9	14542	9.2	K	14626	9.1	G5
10	14096	8.5	K2	14181	9.0	F5	14263	8.5	Ko	14334	8.7	Ko	14398	8.9	B3	14474	9.4	G	14552	9.2	A5	14627	7.8	K5
11	14097	9.5	B	14183	9.3	B8	14266	9.2	F8	14341	9.3	B9	14404	9.3	F8	14475	9.4	K	14555	9.4	A5	14631	9.0	B9
12	14098	8.1	B3	14189	9.0	B8	14268	9.4	Go	14342	9.0	A7	14413	9.0	F8	14477	8.8	Go	14557	9.1	F2	14634	9.2	B5
13	14099	8.5	K5	14191	9.1	B8	14270	8.8	K7	14344	9.1	F5	14414	9.1	Go	14480	9.3	K2	14559	9.1	F5	14638	9.0	A2
14	14100	9.1	A5	14196	8.5	B8	14271	8.6	Mo	14345	9.1	F5	14416	9.0	F8	14495	9.0	Ao	14560	9.2	F5	14642	8.6	Bo
15	14109	9.0	Ko	14201	9.0	Ao	14274	8.9	G5	14347	9.1	K2	14419	9.0	Ko	14496	8.2	K2	14563	9.2	F8	14644	9.1	Ko
16	14110	9.0	G5	14202	9.2	K5	14275	8.8	Ko	14356	8.7	K7	14421	8.5	Go	14498	8.8	Go	14568	9.0	Ao	14645	9.1	Ko
17	14111	8.9	F5	14203	8.5	K7	14282	8.7	Ko	14357	9.1	A	14426	8.7	Ko	14499	8.9	F5	14572	9.1	A2	14646	9.2	A
18	14123	9.3	A2	14205	8.9	B8	14286	9.0	A7	14358	9.0	A7	14427	9.0	A3	14500	8.9	Go	14574	9.1	Ao	14652	8.6	K5
19	14130	9.2	B	14206	8.8	B5	14289	9.0	B9	14359	8.6	Ao	14428	9.1	Ao	14502	9.1	A7	14575	9.1	A7	14655	9.0	A5
20	14131	9.4	K	14207	8.8	G5	14290	9.2	A3	14362	9.2	Ao	14429	9.0	Ko	14503	8.9	Ao	14581	8.9	A5	14658	8.7	Ao
21	14132	9.1	Ao	14208	9.2	F2	14292	9.0	B2	14369	8.3	Ko	14440	8.9	A2	14504	8.7	B9	14582	9.0	Ao	14667	9.3	A5
22	14136	8.9	A2	14211	8.7	K7	14294	8.9	B	14370	8.9	Ao	14441	8.1	K2	14505	8.6	A3	14585	9.2	Ao	14668	8.4	F5
23	14141	8.8	K7	14214	9.1	B5	14295	8.7	A3	14374	9.0	A2	14446	9.1	K2	14514	8.8	Fo	14592	9.4	B8	14670	9.0	Ko
24	14144	8.9	Ko	14216	8.8	F5	14302	8.9	Ao	14375	9.0	K5	14448	9.0	F8	14516	9.1	K7	14596	9.1	K5	14672	8.9	Go
25	14145	9.3	G5	14217	8.8	Go	14303	7.8	Mo	14377	8.3	Go	14449	8.4	Go	14517	8.7	B9	14612	8.9	K2	14677	8.9	K5

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ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100. NO. 5

THE HENRY DRAPER EXTENSION

BY ANNIE J. CANNON

THIS, the fifth instalment of the Henry Draper Extension, gives the spectra of 28,100 stars in the northern part of the Milky Way, embracing portions of the constellations Auriga, Gemini, Monoceros, Orion and Taurus. A part of the Taurus obscuring cloud is included.

The magnitudes were measured under the direction of Miss Walton, by various observers who used sixty four sequences as comparison stars. These sequences were based on those of the Harvard Standard Regions C_3 and C_4, and the Carte du Ciel at $5^h + 24.^\circ5$, $6^h + 31.^\circ5$, $6^h + 24.^\circ5$, and $6^h + 4.^\circ5$.

Narrow lines were recorded for the stars whose H.D. numbers are 241636, 245500, 245523, 247205, 249919, 251776, 252487, 252501, 254422, 254826, 255282, 256388, 256456, 256740, 256959, 257024, 257101, 257761, 259373, 259440, 259508, 259865, 259895, 261608, 261647, 262047, 262445, 263192, 263509, 263979, 264182, 264213, 264252, 264461, 264558, 264892, 264895, 264958, 265078, 265625, 265815, and 267299.

Peculiarities in the spectra of the following stars were interpreted to indicate a composite type to which two classes were assigned: H.D. 245814,15; 247685,6; 255387,8; 256138,9; 257132,3; 257905,6; 260710,11; 260988,9; 263429,30; 264248,9; 264663,4; 264997,8; 265334,5; and 265457,8.

Slighter peculiarities were suspected to indicate that the spectra of the following stars may also be composite: H.D. 242192, 242350, 243188, 244579, 244985, 249387, 251913, 251959, 252907, 253150, 254963, 256349, 257897, 258048, 258071, 258998, 259066, 259948, 262204, 262809, 263502, 263710, 265615, 265628, 265914, and 267604.

The spectra of the following variable stars are classified in this number: H.D. 240764, RW Aur; 245465,BN Ori; 247925,SU Tau; 248451,SV Tau; 249313,Z Ori; 250371,RW

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Gem; 250530,DP Ori; 250642,RZ Gem; 250795,RR Ori; 251549,AA Gem; 253102,WW Gem; 256902,AH Aur; 257684,SX Gem; 259033,AC Gem; 259342,AI Gem; 259986,RW Mon; 260721,TZ Gem; 261026,AK Aur; 262433,AD Gem; 262947,WX Gem; 264750,AF Gem; 266913,AL Gem; 267341,SW Gem; and 267374,UY Mon.

In the spectra of H.D. 240563, 250827, 259380, and 264291, line 4077 is strong. In H.D. 265589, lines 4077 and 4215 are strong, and in H.D. 263402, 4128–31 are well marked.

In H.D. 264111, of class B2, the line K is very strong. Lines of somewhat peculiar intensities appear in the spectrum of H.D. 255833, and bright lines are suspected in H.D. 260467.

The publication of this number is made possible by the generous gift of Mrs. M. Barbour Blair, who is a member of the Visiting Committee of the Harvard Observatory.

April 1, 1931

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240500 — $4^h\ 57^m.6$ to $5^h\ 0^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	57.6	+13 40	11.3	G5	705	59.3	+10 7	10.3	Go	..	0.1	+ 9 12	11.2	A2	..	0.5	+13 34	11.0	G5
2	818	57.7	+14 49	11.4	K5	790	59.3	+ 7 8	10.2	F5	..	0.1	+ 7 21	11.8	K5	..	0.5	+11 3	11.0	Ao
3	..	57.8	+14 50	10.9	A5	827	59.3	+ 4 55	10.4	F2	..	0.1	+ 5 53	11.4	Ko	..	0.5	+ 7 27	11.6	F8
4	706	57.9	+11 10	10.6	Ao	712	59.4	+11 42	9.7	Ao	746	0.2	+28 40	10.9	K5	830	0.5	+ 6 14	10.7	G5
5	707	58.0	+11 18	11.2	Ko	724	59.4	+ 9 17	10.2	Ao	778	0.2	+25 54	11.4	A3	..	0.5	+ 3 19	11.6	F8
6	700	58.0	+10 58	10.7	Ko	*849*	59.4	+ 9 2	10.4	Fo	777	0.2	+25 40	11.1	A2	..	0.6	+33 51	10.6	F2
7	..	58.0	+10 38	11.2	M2	850	59.4	+ 8 48	10.7	K5	*838*	0.2	+18 3	9.3	A3	861	0.6	+31 5	10.8	Ko
8	*715*	58.1	+13 3	11.2	Ko	..	59.4	+ 8 22	11.7	G5	737	0.2	+15 42	10.8	A7	..	0.6	+30 14	11.0	F5
9	716	58.1	+12 33	10.8	F8	833	59.5	+17 7	10.4	Fo	..	0.2	+15 1	11.4	F5	808	0.6	+29 10	11.0	F2
10	708	58.1	+11 40	11.4	K7	791	59.5	+13 34	10.9	K2	724	0.2	+12 35	9.8	Go	..	0.6	+25 59	10.8	F5
11	709	58.2	+11 53	11.6	K7	706	59.5	+10 29	10.4	A3	..	0.2	+ 9 11	11.4	Ao	749	0.6	+24 34	11.1	Go
12	..	58.3	+16 32	11.7	Ko	..	59.5	+ 9 38	11.6	G5	727	0.2	+ 9 4	11.0	Ko	748	0.6	+24 29	10.1	G5
13	689	58.3	+16 20	11.4	K7	851	59.5	+ 8 42	10.2	A3	..	0.2	+ 8 24	10.9	Go	843	0.6	+23 54	10.6	Ao
14	701	58.3	+10 44	9.8	F8	791	59.5	+ 7 9	10.7	F5	..	0.2	+ 6 10	11.4	A5	842	0.6	+17 42	10.8	K5
15	702	58.3	+10 40	10.4	Mo	825	59.5	+ 6 39	11.2	F5	..	0.2	+ 6 6	11.3	Go	..	0.6	+16 50	11.3	K5
16	..	58.4	+17 7	10.7	Ao	..	59.5	+ 5 16	11.1	F5	..	0.2	+ 3 5	11.2	F2	713	0.6	+11 13	10.5	A2
17	..	58.4	+11 29	11.5	A5	828	59.5	+ 4 16	10.4	F5	..	0.3	+32 27	11.0	A3	709	0.6	+10 39	11.2	K2
18	..	58.5	+10 48	11.2	K7	834	59.6	+17 21	10.1	G5	860	0.3	+31 20	10.8	G5	..	0.6	+10 28	11.8	G
19	..	58.5	+10 7	11.2	A5	..	59.6	+14 37	11.7	G5	..	0.3	+29 45	10.8	Go	..	0.6	+ 9 2	11.8	G5
20	731	58.6	+15 7	11.3	K5	..	59.6	+ 5 56	11.5	K7	..	0.3	+29 2	11.4	Ko	855	0.6	+ 8 24	11.1	Mo
21	703	58.6	+10 15	11.3	Go	..	59.6	+ 4 23	11.3	Go	..	0.3	+28 26	11.3	G5	856	0.6	+ 8 13	10.2	Ko
22	..	58.6	+10 9	10.9	Fo	693	59.7	+16 37	10.6	A3	785	0.3	+26 22	9.2	Go	798	0.6	+ 7 23	11.2	K5
23	690	58.7	+16 50	10.6	G5	722	59.7	+12 21	11.0	K2	..	0.3	+25 56	11.2	F8	764	0.6	+ 3 54	12.0	K7
24	..	58.7	+10 25	11.9	F8	826	59.7	+ 6 16	10.5	Go	842	0.3	+23 22	11.2	Ko	*889*	0.7	+33 0	10.8	Ao
25	719	58.7	+ 9 8	11.2	G5	..	59.7	+ 6 10	11.4	Go	..	0.3	+16 50	11.5	K5	..	0.7	+29 43	11.0	Go
26	..	58.8	+13 9	11.2	Ko	..	59.7	+ 4 58	11.2	K5	738	0.3	+15 30	10.7	Ko	*729*	0.7	+28 2	10.5	Ko
27	..	58.8	+ 8 21	11.6	G	821	59.8	+22 10	10.4	K2	..	0.3	+ 9 22	11.2	Ao	..	0.7	+16 49	11.8	Ko
28	..	58.9	+16 29	11.0	G5	..	59.8	+15 57	11.4	K5	..	0.3	+ 7 19	11.4	G5	..	0.7	+16 25	10.6	G5
29	..	58.9	+16 13	11.1	Go	*828*	59.8	+15 0	10.8	Go	829	0.3	+ 6 20	10.4	K2	*726*	0.7	+13 1	10.1	Fo
30	*710*	58.9	+12 1	10.8	Go		59.8	+15 0	10.6	K5	760	0.3	+ 3 42	11.2	Go	*710*	0.7	+11 0	10.8	Ao
31	..	58.9	+ 7 47	11.4	A5	*794*	59.8	+14 4	11.7	K7	761	0.3	+ 3 11	10.8	Go	..	0.7	+10 18	11.5	F2
32	718	59.0	+12 11	11.2	G5	725	59.8	+ 9 6	11.0	K7	..	0.4	+32 47	10.6	Go	..	0.7	+ 9 13	11.4	Fo
33	..	59.0	+10 41	11.5	A	807	59.9	+29 20	10.6	Fo	..	0.4	+32 34	10.9	Go	..	0.7	+ 8 52	11.2	F8
34	*720*	59.0	+10 3	10.8	F8	822	59.9	+22 20	10.0	Ao	..	0.4	+28 52	11.2	A2	..	0.7	+ 7 21	11.2	F5
35	*822*	59.0	+ 7 0	11.0	Ao	..	59.9	+14 57	11.4	G5	*728*	0.4	+28 1	10.1	Ao	831	0.7	+ 6 54	10.4	Go
36	..	59.1	+10 50	11.2	K5	..	59.9	+14 1	11.7	F5	..	0.4	+22 59	11.6	A3	..	0.7	+ 4 29	11.7	A5
37	..	59.1	+10 24	10.9	F5	792	59.9	+ 7 42	11.2	Ko	725	0.4	+12 19	10.0	Ao	765	0.7	+ 3 24	10.5	A2
38	..	59.1	+10 17	11.8	K7	..	59.9	+ 7 6	11.2	F2	..	0.4	+10 22	11.4	A7	..	0.8	+33 54	11.6	G5
39	721	59.1	+ 9 42	11.0	K5	..	59.9	+ 4 10	11.5	F8	..	0.4	+ 9 38	11.6	K2	..	0.8	+30 42	11.1	F8
40	..	59.1	+ 8 50	10.9	Ao	954	0.0	+33 10	10.8	A2	..	0.4	+ 8 52	12.0	G5	844	0.8	+23 54	9.4	A2
41	..	59.1	+ 8 29	11.5	F5	..	0.0	+27 23	11.5	K7	804	0.4	+ 5 19	10.2	A2	..	0.8	+23 38	11.5	Ao
42	..	59.1	+ 7 55	10.8	A2	823	0.0	+22 31	11.2	F2	763	0.4	+ 3 20	10.6	G5	826	0.8	+22 26	10.4	A
43	..	59.1	+ 7 8	11.4	Ao	837	0.0	+17 14	9.4	Go	..	0.5	+33 3	10.8	Go	878	0.8	+20 33	10.2	Ko
44	823	59.1	+ 6 42	10.4	F8	..	0.0	+ 6 27	10.6	Go	..	0.5	+30 53	10.8	Fo	844	0.8	+17 43	10.6	A
45	..	59.2	+15 9	10.9	G5	..	0.0	+ 4 45	11.5	A7	783	0.5	+30 40	10.2	A7	802	0.8	+13 34	11.6	K7
46	..	59.2	+11 47	11.3	K7	746	0.1	+24 58	9.9	Go	824	0.5	+22 48	11.0	A2	..	0.8	+13 28	11.1	G5
47	704	59.2	+10 23	10.2	Ao	694	0.1	+16 32	10.6	G5	*760*	0.5	+22 3	10.6	Ko	801	0.8	+13 10	10.3	K5
48	722	59.2	+ 9 50	11.6	G	..	0.1	+14 25	11.7	Ko	841	0.5	+17 40	9.4	Ko	714	0.8	+11 52	10.1	Ko
49	..	59.2	+ 9 0	11.6	K2	..	0.1	+13 58	11.0	Go	..	0.5	+16 31	10.8	A2	..	0.8	+10 23	11.4	Go
50	848	59.2	+ 8 48	10.8	A2	726	0.1	+ 9 44	11.3	Ko	829	0.5	+14 28	11.2	G5	857	0.8	+ 8 52	11.5	Ko

$+3°.0$ to $+34°.0$

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240700 — $5^h\ 0^m.8$ to $5^h\ 2^m.2$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	0.8	+ 8 44	11.9	K	..	1.2	+30 9	11.2	A2	..	1.5	+ 6 58	12.0	G5	884	1.9	+20 41	11.5	Ko
2	858	0.8	+ 8 11	10.5	Ao	747	1.2	+28 40	11.0	K7	808	1.5	+ 5 59	10.5	Go	848	1.9	+17 30	10.8	Fo
3	799	0.8	+ 7 7	11.4	K2	..	1.2	+27 3	11.0	Ao	769	1.5	+ 3 48	11.6	K5		1.9	+17 30	11.2	F8
4	..	0.8	+ 6 36	11.0	Go	847	1.2	+23 50	12.0	K5	..	1.6	+29 19	11.0	Ao	731	1.9	+12 17	10.0	F8
5	..	0.8	+ 5 55	11.8	K2	848	1.2	+23 22	11.3	Ao	781	1.6	+25 28	11.4	A7	*715*	1.9	+11 1	11.2	G5
6	890	0.9	+32 47	10.6	M2	..	1.2	+17 0	11.6	K5	851	1.6	+23 58	10.7	K5	733	1.9	+ 9 58	11.2	Ko
7	891	0.9	+32 10	11.2	F8	805	1.2	+13 17	11.0	K2	882	1.6	+20 36	11.2	K2	..	1.9	+ 9 48	11.4	Ko
8	784	0.9	+30 59	10.2	A2	728	1.2	+12 59	10.5	G5	850	1.6	+19 42	11.2	A	863	1.9	+ 8 50	11.0	Fo
9	810	0.9	+29 7	11.8	Mo	715	1.2	+11 28	10.6	A2	744	1.6	+15 23	11.4	G5	864	1.9	+ 8 25	10.6	F5
10	845	0.9	+23 52	10.7	Go	..	1.2	+ 7 47	11.3	K2	745	1.6	+15 18	11.6	G5	809	1.9	+ 7 15	11.8	Mo
11	828	0.9	+22 58	10.3	G5	..	1.2	+ 3 8	12.0	F	718	1.6	+11 33	11.0	G5	..	1.9	+ 6 45	11.0	Ao
12	761	0.9	+21 41	9.9	Ao	789	1.3	+30 44	11.2	K7	731	1.6	+ 9 40	11.3	K5	..	1.9	+ 6 19	11.1	G5
13	845	0.9	+17 36	9.6	Ko	..	1.3	+30 38	11.0	G5	809	1.6	+ 5 38	10.8	F2	810	1.9	+ 5 47	10.5	F5
14	..	0.9	+11 23	10.7	F2	792	1.3	+30 16	var.	Go	..	1.6	+ 4 46	11.9	G	..	1.9	+ 5 23	10.6	Go
15	728	0.9	+ 9 16	11.0	K5	791	1.3	+30 9	11.0	Ao	833	1.6	+ 4 34	10.6	Ko	835	1.9	+ 4 56	10.2	Ko
16	..	0.9	+ 9 6	11.7	Ko	*748*	1.3	+29 0	10.7	F5	770	1.6	+ 3 29	11.6	K5	..	1.9	+ 3 42	11.8	G5
17	859	0.9	+ 8 13	10.6	F8	..	1.3	+26 8	11.6	K2	*958*	1.7	+34 0	10.2	G5	863	2.0	+31 4	11.2	Fo
18	..	0.9	+ 5 29	11.6	G	..	1.3	+23 44	11.8	F8	..	1.7	+33 1	10.8	Ao	795	2.0	+30 54	11.2	G5
19	..	0.9	+ 5 20	11.6	K7	831	1.3	+22 56	12.0	M	894	1.7	+32 21	11.0	Mo	..	2.0	+25 46	11.8	A5
20	..	0.9	+ 5 17	11.6	G5	830	1.3	+22 36	9.8	Ao	815	1.7	+29 46	10.4	Ko	..	2.0	+25 14	11.8	A2
21	830	0.9	+ 4 14	11.2	G5	849	1.3	+19 13	9.8	Ao	816	1.7	+29 6	10.8	K2	*852*	2.0	+20 0	10.0	Ao
22	..	1.0	+32 38	10.2	F2	..	1.3	+12 47	11.9	K7	852	1.7	+23 33	10.4	A7	849	2.0	+17 44	11.2	A
23	*785*	1.0	+31 0	9.4	Go	812	1.4	+29 45	10.9	A2	883	1.7	+20 57	10.0	A5	850	2.0	+17 14	11.0	K2
24	811	1.0	+29 32	11.0	K7	..	1.4	+24 4	11.4	Go	..	1.7	+15 54	11.0	K2	..	2.0	+15 23	11.6	K5
25	780	1.0	+25 55	11.8	K5	881	1.4	+20 30	11.6	K7	729	1.7	+12 49	11.2	Go	807	2.0	+13 17	11.2	F8
26	751	1.0	+24 46	10.2	G5	..	1.4	+16 31	11.2	K7	730	1.7	+12 20	11.0	K5	716	2.0	+10 11	10.6	K2
27	846	1.0	+23 27	11.6	K7	..	1.4	+16 15	11.0	G5	..	1.7	+ 8 46	11.0	F5	*734*	2.0	+10 2	11.1	Ko
28	..	1.0	+11 34	11.3	Ko	717	1.4	+11 55	11.4	K5	..	1.7	+ 7 0	11.8	Go	..	2.0	+ 9 21	10.0	F2
29	..	1.0	+10 1	11.4	Go	714	1.4	+10 52	10.0	G5	837	1.7	+ 6 4	10.8	K5	840	2.0	+ 6 10	11.2	Ko
30	729	1.0	+ 9 22	10.6	Go	..	1.4	+10 1	11.1	Ko	..	1.7	+ 3 29	12.0	Ko	..	2.0	+ 5 51	10.9	F5
31	..	1.0	+ 8 35	11.4	G5	860	1.4	+ 8 57	10.6	Go	..	1.8	+33 25	10.6	G5	..	2.0	+ 5 31	11.7	K7
32	..	1.0	+ 7 11	11.2	Go	..	1.4	+ 8 45	11.0	A7	..	1.8	+28 40	10.8	A5	*771*	2.0	+ 4 3	10.8	F5
33	*831*	1.0	+ 5 2	10.8	A2	836	1.4	+ 6 22	10.6	Fo	..	1.8	+21 41	11.4	K2	..	2.0	+ 3 27	11.7	F8
34	957	1.1	+33 28	10.5	Mo	832	1.4	+ 4 7	11.0	Ko	764	1.8	+21 34	10.2	Ko	..	2.1	+33 3	11.0	Ao
35	893	1.1	+32 56	10.3	B9	..	1.4	+ 3 44	11.8	F5	851	1.8	+19 20	10.7	A	895	2.1	+32 59	10.2	B9
36	786	1.1	+30 39	10.2	M2	..	1.5	+30 22	11.0	F8	780	1.8	+18 8	10.2	Ao	..	2.1	+32 2	11.4	Fo
37	788	1.1	+30 37	10.0	Ko	*813*	1.5	+30 2	11.0	K5	..	1.8	+16 6	11.1	A2	..	2.1	+31 31	10.9	A2
38	787	1.1	+30 12	9.6	Go	814	1.5	+29 20	10.2	F5	..	1.8	+15 0	11.6	Go	..	2.1	+30 8	10.8	A7
39	752	1.1	+24 37	10.7	Ao	749	1.5	+28 50	11.2	Mo	*862*	1.8	+ 9 3	11.1	Ko	790	2.1	+26 19	11.4	Go
40	696	1.1	+16 9	10.7	Go	..	1.5	+28 27	10.6	A2	807	1.8	+ 7 48	11.3	Go	781	2.1	+18 54	11.1	K7
41	*730*	1.1	+10 2	11.1	K7	730	1.5	+27 20	11.1	Fo	808	1.8	+ 7 42	11.0	Go	..	2.1	+10 56	11.4	G5
42	..	1.1	+ 8 59	10.8	G5	850	1.5	+23 10	9.6	Go	838	1.8	+ 6 36	10.8	G5	717	2.1	+10 17	10.8	F8
43	..	1.1	+ 8 52	11.5	F2	763	1.5	+21 54	10.3	Ao	839	1.8	+ 6 17	10.8	Mo	735	2.1	+ 9 50	10.4	A2
44	..	1.1	+ 7 52	11.6	K5	698	1.5	+16 52	11.2	Ko	..	1.8	+ 5 44	11.5	F2	841	2.1	+ 6 55	11.2	Ko
45	800	1.1	+ 7 29	11.2	G5	..	1.5	+15 53	10.8	A2	..	1.8	+ 5 6	10.9	F2	..	2.1	+ 5 49	11.0	G5
46	..	1.1	+ 7 27	11.5	K5	743	1.5	+15 32	10.8	A5	..	1.8	+ 3 28	12.0	G5	811	2.1	+ 5 39	11.4	G5
47	..	1.1	+ 3 47	11.6	A7	861	1.5	+ 8 35	10.4	B9	..	1.9	+32 56	11.0	A2	836	2.1	+ 4 43	10.2	F5
48	..	1.1	+ 3 26	12.0	M	804	1.5	+ 7 59	11.7	K5	..	1.9	+28 47	11.1	A7	837	2.1	+ 4 7	11.2	K7
49	*858*	1.1	+ 3 0	11.4	Go	803	1.5	+ 7 39	11.0	Go	754	1.9	+24 40	11.6	A3	..	2.2	+31 54	11.0	Go
50	789	1.2	+30 43	11.2	K7	805	1.5	+ 7 20	11.6	K7	765	1.9	+21 56	10.2	Fo	..	2.2	+30 52	11.0	A5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	782	2.2	+25 30	11.4	K2	773	2.6	+ 3 28	10.6	Ko	..	2.9	+ 4 26	10.8	F8	720	3.3	+10 52	11.4	G5
2	756	2.2	+24 44	11.2	B9	..	2.7	+33 0	10.8	Fo	844	2.9	+ 4 5	11.4	Ko	..	3.3	+10 39	11.6	G
3	853	2.2	+23 44	11.2	K	..	2.7	+32 19	10.9	Go	..	2.9	+ 3 54	11.6	F2	..	3.3	+ 9 36	11.6	F8
4	886	2.2	+20 15	10.6	Ao	..	2.7	+32 6	11.8	Ko	..	3.0	+29 57	10.9	Go	781	3.3	+ 3 39	10.3	Ko
5	851	2.2	+17 9	11.0	G5	..	2.7	+30 12	10.4	Ao	..	3.0	+29 38	11.6	F8	780	3.3	+ 3 10	10.4	Go
6	747	2.2	+15 6	11.0	Fo	798	2.7	+30 10	10.8	K2	792	3.0	+26 22	11.4	F5	..	3.3	+ 3 2	11.6	Go
7	835	2.2	+14 7	10.8	K7	..	2.7	+23 21	11.1	A	764	3.0	+24 47	11.8	Ko	..	3.4	+33 28	11.0	Ao
8	..	2.2	+10 32	11.6	Go	836	2.7	+22 7	10.4	Ao	859	3.0	+23 48	11.0	A2	..	3.4	+32 39	12.1	A
9	..	2.2	+ 6 9	11.2	Go	..	2.7	+19 50	11.0	A	858	3.0	+23 31	10.4	K2	..	3.4	+32 3	11.8	F2
10	842	2.2	+ 6 5	11.0	F8	..	2.7	+16 36	11.4	K5	837	3.0	+22 47	11.0	K5	800	3.4	+30 34	10.3	G5
11	838	2.2	+ 4 14	11.1	F8	810	2.7	+13 58	11.6	K2	..	3.0	+16 8	11.1	G5	..	3.4	+30 20	11.3	G5
12	757	2.3	+24 46	11.1	G5	720	2.7	+11 36	10.2	Go	837	3.0	+14 34	10.8	G5	..	3.4	+30 12	11.8	A
13	856	2.3	+23 23	10.8	A	..	2.7	+ 9 37	11.2	F2	733	3.0	+12 38	10.8	Go	767	3.4	+24 13	11.1	K2
14	833	2.3	+22 30	11.2	A	869	2.7	+ 8 37	11.4	Go	739	3.0	+ 9 58	11.1	Fo	838	3.4	+22 23	10.8	F8
15	834	2.3	+22 9	9.6	A2	846	2.7	+ 6 50	10.7	F5	..	3.0	+ 3 42	11.7	F5	773	3.4	+21 34	10.3	A5
16	748	2.3	+15 28	10.2	F5	847	2.7	+ 6 23	10.8	K5	778	3.0	+ 3 32	11.6	G5	891	3.4	+20 8	11.6	K
17	..	2.3	+ 8 57	12.1	K7	774	2.7	+ 3 32	10.5	F5	963	3.1	+33 11	10.9	Ko	705	3.4	+16 20	10.2	Go
18	..	2.3	+ 5 19	11.3	Go	775	2.7	+ 3 8	11.0	A5	..	3.1	+31 39	11.2	A5	816	3.4	+13 52	10.1	F8
19	897	2.4	+32 38	10.8	Go	..	2.7	+ 3 2	12.0	Mo	799	3.1	+30 26	10.0	A2	815	3.4	+13 23	11.2	A
20	..	2.4	+31 30	11.0	F5	..	2.8	+31 49	11.0	A3	..	3.1	+28 38	11.6	A5	737	3.4	+12 50	10.0	F5
21	783	2.4	+25 49	9.8	Go	..	2.8	+30 19	11.5	F8	..	3.1	+25 37	11.6	Go	..	3.4	+10 27	11.2	A5
22	758	2.4	+24 57	10.1	Fo	752	2.8	+28 28	12.2	Ko	..	3.1	+25 10	11.6	A3	740	3.4	+ 9 5	11.5	F5
23	768	2.4	+21 55	11.0	Mo	..	2.8	+25 35	11.6	F8	..	3.1	+20 11	11.2	A	..	3.4	+ 8 17	11.5	F8
24	..	2.4	+16 1	11.3	K2	760	2.8	+24 46	10.4	G5	..	3.1	+18 21	11.0	A	*849*	3.4	+ 7 2	10.6	Ko
25	..	2.4	+10 54	12.0	K7	*857*	2.8	+24 0	10.8	A	735	3.1	+12 28	10.4	A3	..	3.4	+ 5 6	10.8	A5
26	737	2.4	+ 9 12	11.0	K7	..	2.8	+23 32	10.6	Go	734	3.1	+12 9	11.0	K2	801	3.5	+30 10	11.8	F8
27	865	2.4	+ 8 36	11.0	Ko	..	2.8	+22 25	11.5	F8	723	3.1	+11 29	10.0	F5	..	3.5	+28 16	11.6	A7
28	..	2.4	+ 8 27	11.4	G	..	2.8	+16 31	10.3	A3	779	3.1	+ 3 37	10.9	F5	..	3.5	+26 31	11.9	F8
29	844	2.4	+ 6 30	11.8	K7	811	2.8	+13 18	11.0	K2	899	3.2	+32 48	9.7	K2	862	3.5	+23 27	11.3	K
30	812	2.4	+ 5 57	10.2	F5	722	2.8	+11 47	10.2	Fo	..	3.2	+32 16	12.0	G5	784	3.5	+18 49	10.5	G5
31	..	2.4	+ 5 20	11.6	Go	..	2.8	+ 8 0	11.6	G5	..	3.2	+31 44	11.4	F2	..	3.5	+12 48	11.1	K7
32	..	2.5	+33 38	11.2	A3	813	2.8	+ 7 30	10.1	F5	..	3.2	+30 59	11.8	F	721	3.5	+10 18	9.6	F5
33	..	2.5	+32 39	11.2	F5	..	2.8	+ 7 17	11.5	Go	..	3.2	+30 54	11.6	Ao	..	3.5	+ 8 18	11.5	G5
34	..	2.5	+26 59	11.3	A2	..	2.8	+ 5 44	11.4	Ao	..	3.2	+29 21	12.1	Ko	..	3.5	+ 6 46	11.6	K5
35	..	2.5	+26 45	11.6	Ko	813	2.8	+ 5 33	11.2	F8	766	3.2	+24 54	11.8	K5	..	3.5	+ 4 38	11.6	A
36	769	2.5	+21 51	10.4	Ao	814	2.8	+ 5 6	10.7	Ao	765	3.2	+24 20	10.3	A2	..	3.5	+ 3 59	11.4	Go
37	..	2.5	+15 51	11.3	A	842	2.8	+ 4 50	10.4	Ko	..	3.2	+14 59	10.6	A2	782	3.5	+ 3 47	11.0	Ko
38	809	2.5	+13 15	11.2	Ko	843	2.8	+ 4 32	10.8	A5	..	3.2	+10 41	11.4	G5	783	3.5	+ 3 34	10.7	F5
39	808	2.5	+13 6	11.0	K2	..	2.8	+ 4 12	11.4	Go	719	3.2	+10 15	10.8	F8	866	3.6	+31 18	10.7	Ao
40	868	2.5	+ 8 39	10.2	Ko	..	2.8	+ 3 17	11.6	F8	871	3.2	+ 8 30	11.2	Ko	786	3.6	+25 39	9.5	A2
41	810	2.5	+ 7 7	11.4	Ko	776	2.8	+ 3 11	11.3	F8	..	3.2	+ 7 33	11.5	G	855	3.6	+17 45	11.4	K5
42	772	2.5	+ 3 31	11.3	Ko	865	2.9	+31 34	9.5	A7	845	3.2	+ 4 16	10.8	G5	856	3.6	+17 9	11.1	A5
43	962	2.6	+33 25	10.1	A2	..	2.9	+28 41	12.3	F5	..	3.2	+ 4 2	11.7	K7	722	3.6	+10 40	11.8	K5
44	..	2.6	+31 57	11.6	F5	762	2.9	+24 57	10.4	Ko	964	3.3	+33 4	9.6	Ko	..	3.6	+10 31	11.4	G5
45	..	2.6	+26 21	12.4	Mo	763	2.9	+24 13	11.9	K2	..	3.3	+28 22	12.0	F8	..	3.6	+ 9 45	11.0	F5
46	759	2.6	+24 54	9.6	A2	782	2.9	+18 10	10.6	K2	854	3.3	+17 24	9.4	A2	..	3.6	+ 5 22	11.2	Go
47	..	2.6	+10 7	11.5	F8	..	2.9	+13 26	11.2	A	853	3.3	+17 10	11.2	K7	784	3.6	+ 3 57	11.6	Mo
48	..	2.6	+10 2	11.8	K5	..	2.9	+ 9 57	11.4	F5	..	3.3	+13 35	11.0	Go	*965*	3.7	+34 0	10.8	A7
49	..	2.6	+ 8 52	11.3	Go	..	2.9	+ 6 57	11.8	K2	..	3.3	+13 24	11.6	K7	..	3.7	+33 49	10.4	A3
50	..	2.6	+ 6 28	10.9	F8	*815*	2.9	+ 6 0	11.7	K7	..	3.3	+12 12	11.3	G5	..	3.7	+33 44	11.0	A

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241100

$5^h\ 3^m.7$ to $5^h\ 5^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	*868*	3.7	+32 3	11.0	A2	825	4.0	+29 26	10.4	Go	..	4.3	+30 52	11.2	A3	820	4.6	+ 7 52	10.6	F2
2	..	3.7	+31 40	11.8	F8	..	4.0	+28 1	12.1	G5	869	4.3	+23 33	11.1	A	854	4.6	+ 6 59	10.2	Go
3	802	3.7	+30 10	10.8	A3	746	4.0	+ 9 48	10.7	K2	..	4.3	+17 5	11.7	K7	824	4.6	+ 5 27	10.3	Go
4	823	3.7	+29 58	11.8	Go	..	4.0	+ 9 39	11.7	K7	841	4.3	+14 32	11.2	Go	851	4.6	+ 4 46	10.4	A5
5	733	3.7	+27 32	9.8	G5	..	4.0	+ 8 38	11.0	K5	..	4.3	+10 38	11.6	G5	850	4.6	+ 4 42	11.2	K7
6	793	3.7	+26 22	9.8	Ao	..	4.0	+ 8 14	11.5	Mo	..	4.3	+ 6 36	11.2	A5	..	4.6	+ 3 14	11.8	G5
7	..	3.7	+25 16	12.0	Fo	847	4.0	+ 4 27	10.4	Ko	849	4.3	+ 4 5	10.5	K2	967	4.7	+33 31	10.2	F5
8	839	3.7	+22 55	10.8	M2	788	4.0	+ 3 41	10.3	Go	..	4.3	+ 3 14	11.6	F5	..	4.7	+33 10	10.4	Ao
9	894	3.7	+20 57	10.1	A3	..	4.0	+ 3 32	11.8	K5	..	4.4	+33 38	11.2	A3	..	4.7	+31 7	11.0	F8
10	893	3.7	+20 28	10.0	A7	787	4.0	+ 3 13	11.0	Fo	..	4.4	+32 41	11.1	A7	807	4.7	+30 6	10.8	Ko
11	857	3.7	+17 47	9.7	Ao	..	4.1	+33 11	11.2	Ao	..	4.4	+31 52	10.8	F8	..	4.7	+28 44	11.6	F8
12	858	3.7	+17 41	9.8	A	901	4.1	+32 41	9.8	A3	..	4.4	+31 38	11.8	A5	..	4.7	+25 51	11.6	G
13	..	3.7	+16 39	11.6	Ko	..	4.1	+32 11	11.3	F5	..	4.4	+31 24	11.3	G5	774	4.7	+24 17	10.3	K2
14	738	3.7	+12 21	10.5	M3	*869*	4.1	+32 1	10.6	G5	..	4.4	+30 43	11.9	G5	844	4.7	+22 57	11.3	K5
15	..	3.7	+10 44	11.4	Ko	..	4.1	+31 32	11.0	Ao	806	4.4	+30 6	11.9	A5	780	4.7	+21 27	10.6	G5
16	..	3.7	+ 9 23	11.4	F2	..	4.1	+31 31	11.1	A2	828	4.4	+29 41	10.8	K2	709	4.7	+16 20	11.2	G5
17	742	3.7	+ 9 18	11.8	K7	..	4.1	+30 10	11.4	K5	..	4.4	+25 38	11.8	Ko	750	4.7	+ 9 7	11.3	F8
18	872	3.7	+ 8 41	11.4	K2	..	4.1	+29 44	11.8	Ao	770	4.4	+24 41	11.0	K2	821	4.7	+ 7 32	11.1	Go
19	..	3.7	+ 8 13	11.6	Go	826	4.1	+29 32	10.2	F8	*870*	4.4	+24 2	9.8	A2	825	4.7	+ 5 12	10.5	K2
20	818	3.7	+ 5 35	10.8	Ao	..	4.1	+29 2	11.8	A5	..	4.4	+13 45	11.9	G5	791	4.7	+ 3 28	12.0	G5
21	..	3.7	+ 5 8	11.6	A	..	4.1	+28 40	10.8	A2	724	4.4	+10 12	11.8	K5	969	4.8	+33 4	10.9	Go
22	824	3.8	+29 8	10.6	F5	..	4.1	+22 54	11.2	A	..	4.4	+ 9 6	11.2	Go	873	4.8	+31 12	9.8	F5
23	794	3.8	+26 36	10.9	K5	..	4.1	+22 22	12.0	Mo	..	4.4	+ 8 40	11.2	F8	..	4.8	+28 47	10.4	Fo
24	841	3.8	+22 54	11.0	K5	896	4.1	+20 49	9.7	Ao	817	4.4	+ 7 48	10.6	A2	756	4.8	+28 7	11.3	G5
25	..	3.8	+22 36	10.7	A3	..	4.1	+13 3	10.8	A	..	4.4	+ 6 49	11.1	F8	781	4.8	+21 5	10.2	A2
26	775	3.8	+21 48	10.4	Ko	..	4.1	+12 53	11.0	G5	..	4.4	+ 6 9	11.0	F8	857	4.8	+19 34	9.8	Ao
27	786	3.8	+18 10	10.8	A3	723	4.1	+10 23	10.8	K2	..	4.4	+ 5 26	11.6	F8	823	4.8	+ 7 36	11.4	F5
28	..	3.8	+12 51	11.0	Ko	..	4.1	+ 8 49	11.6	Go	..	4.5	+33 28	11.2	A2	824	4.8	+ 7 11	11.1	A7
29	..	3.8	+12 21	11.1	A	..	4.1	+ 8 26	11.7	A5	902	4.5	+32 17	9.7	Ko	..	4.8	+ 6 59	11.4	F5
30	730	3.8	+11 52	10.2	F8	875	4.1	+ 8 20	11.6	G5	..	4.5	+29 38	11.7	Go	852	4.8	+ 4 39	11.1	G5
31	729	3.8	+11 11	10.8	F8	816	4.1	+ 7 32	11.4	Mo	..	4.5	+29 8	11.6	Ao	..	4.9	+33 4	11.9	G
32	..	3.8	+10 54	11.2	A2	..	4.1	+ 4 33	11.6	Ko	771	4.5	+24 37	11.3	A2	809	4.9	+30 28	10.9	K2
33	..	3.8	+10 2	11.6	K	789	4.1	+ 3 21	10.5	Ko	871	4.5	+23 6	10.5	A2	831	4.9	+29 30	10.6	F8
34	815	3.8	+ 7 56	10.8	Go	966	4.2	+33 14	10.0	A2	843	4.5	+22 22	11.2	K5	..	4.9	+29 18	10.8	Fo
35	846	3.8	+ 4 21	11.2	K5	..	4.2	+31 3	11.5	Go	861	4.5	+17 17	11.2	A5	832	4.9	+29 7	10.7	A2
36	786	3.8	+ 3 14	11.1	A7	..	4.2	+31 3	11.4	A5	..	4.5	+14 49	11.6	A	790	4.9	+25 51	10.2	G5
37	..	3.9	+31 18	12.0	G	..	4.2	+30 47	11.9	G5	820	4.5	+13 45	11.2	F2	859	4.9	+19 21	11.2	K7
38	795	3.9	+26 38	10.6	G5	827	4.2	+29 5	10.1	A3	739	4.5	+12 46	10.3	A7	788	4.9	+18 27	10.3	A5
39	..	3.9	+26 19	10.6	Go	*788*	4.2	+26 1	11.6	F2	*733*	4.5	+12 4	11.0	A3	710	4.9	+16 24	11.2	K5
40	*769*	3.9	+25 0	10.2	Go	789	4.2	+25 34	10.8	A2	..	4.5	+ 9 51	11.0	B9	752	4.9	+ 9 31	11.2	Go
41	777	3.9	+21 43	10.4	K5	787	4.2	+18 30	9.8	Ao	748	4.5	+ 9 14	10.5	Go	..	4.9	+ 8 42	11.8	Go
42	895	3.9	+20 51	10.6	Ao	860	4.2	+17 43	10.7	Ao	..	4.5	+ 9 3	11.1	Ao	..	4.9	+ 6 59	11.6	Go
43	..	3.9	+17 53	11.0	Ko	*848*	4.2	+ 5 2	10.1	B9	..	4.5	+ 6 45	11.2	F5	..	4.9	+ 4 0	11.6	Ko
44	859	3.9	+17 10	11.4	G5	..	4.2	+ 3 55	11.6	G	..	4.5	+ 6 14	11.4	Go	..	4.9	+ 3 14	12.0	Go
45	..	3.9	+16 58	11.2	Ko	..	4.2	+ 3 50	11.6	A	872	4.6	+31 52	10.5	K2	792	4.9	+ 3 7	11.6	K7
46	744	3.9	+ 9 17	11.8	Mo	..	4.3	+32 35	12.2	K2	..	4.6	+31 31	11.4	A5	..	5.0	+31 22	10.2	Ao
47	..	3.9	+ 8 16	11.4	Go	..	4.3	+31 40	11.6	Ko	773	4.6	+24 45	9.8	Ko	874	5.0	+31 20	10.9	Ko
48	..	3.9	+ 6 55	11.2	Ko	870	4.3	+31 29	9.6	F8	..	4.6	+24 36	11.5	F5	810	5.0	+30 58	10.0	F8
49	..	3.9	+ 6 18	11.7	G5	..	4.3	+31 16	11.5	A	..	4.6	+15 36	11.4	Go	811	5.0	+30 5	11.2	Ao
50	900	4.0	+32 18	9.4	A3	*805*	4.3	+31 1	11.8	Go	..	4.6	+ 9 6	11.6	G5	..	5.0	+28 22	11.9	A5

$+3°.0$ to $+34°.0$

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241300 — $5^h\ 5^m.0$ to $5^h\ 6^m.4$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	5.0	+24 42	11.9	G	794	5.3	+ 3 55	11.4	K7	..	5.7	+15 0	11.8	G5	..	6.1	+30 29	11.8	G5
2	..	5.0	+16 41	11.6	K2	..	5.3	+ 3 7	11.7	K7	845	5.7	+14 35	11.1	F5	..	6.1	+29 38	12.0	G5
3	714	5.0	+16 24	11.1	K5	971	5.4	+33 47	10.6	Go	824	5.7	+13 29	10.1	A2	794	6.1	+25 45	11.1	F8
4	754	5.0	+15 46	11.0	Go	972	5.4	+33 40	10.0	G5	741	5.7	+12 5	11.0	K2	863	6.1	+19 48	11.2	K7
5	734	5.0	+11 23	10.6	F2	876	5.4	+31 37	10.4	F8	..	5.7	+ 9 21	11.4	Go	744	6.1	+12 13	10.3	F5
6	876	5.0	+ 8 59	11.6	Ko	..	5.4	+29 34	11.7	A5	..	5.7	+ 8 54	11.9	K5	755	6.1	+ 9 44	10.4	F8
7	825	5.0	+ 7 28	11.7	G5	..	5.4	+28 41	12.0	Go	879	5.7	+ 8 42	11.1	Go	..	6.1	+ 5 21	11.4	Ko
8	856	5.0	+ 6 7	10.3	Go	736	5.4	+27 27	10.6	B9	829	5.7	+ 7 23	10.6	Go	855	6.1	+ 4 40	11.3	K7
9	826	5.0	+ 5 49	10.3	A5	778	5.4	+24 53	10.9	A3	..	5.7	+ 6 2	11.2	Go	799	6.1	+ 3 27	11.2	Go
10	..	5.0	+ 5 3	11.6	K2	*873*	5.4	+24 0	10.3	A3	..	5.7	+ 4 54	11.6	Fo	974	6.2	+33 33	11.0	K5
11	..	5.0	+ 4 56	11.4	F8	..	5.4	+22 29	11.1	A	..	5.8	+33 5	11.5	A2	..	6.2	+32 28	11.9	Go
12	..	5.0	+ 4 12	11.5	Ko	899	5.4	+20 59	10.8	G5	..	5.8	+29 56	11.5	F8	..	6.2	+32 12	11.8	Ao
13	903	5.1	+32 38	10.9	Mo	737	5.4	+11 26	10.9	Ao	781	5.8	+24 47	11.9	G	..	6.2	+30 35	11.2	F5
14	..	5.1	+28 44	10.5	A2	753	5.4	+ 9 24	11.2	F8	..	5.8	+24 35	11.6	F2	819	6.2	+30 9	10.8	A7
15	*846*	5.1	+23 0	9.9	Ao	..	5.4	+ 5 8	11.6	K7	788	5.8	+21 41	10.1	G5	..	6.2	+29 43	12.0	A5
16	845	5.1	+22 33	11.2	G5	..	5.5	+33 54	11.4	A2	..	5.8	+14 16	11.2	Ao	..	6.2	+29 14	12.2	F8
17	784	5.1	+21 4	11.2	A	877	5.5	+31 54	10.9	Ko	*738*	5.8	+12 0	11.2	Ko	..	6.2	+21 32	11.4	A3
18	863	5.1	+17 36	10.4	A	..	5.5	+31 4	11.6	Go	..	5.8	+10 28	11.4	G5	866	6.2	+17 41	11.1	K5
19	..	5.1	+17 17	11.2	A5	..	5.5	+31 3	11.6	F8	..	5.8	+ 5 15	11.4	F5	760	6.2	+15 17	10.8	F8
20	735	5.1	+11 39	11.0	K5	815	5.5	+30 13	9.7	Ao	..	5.8	+ 3 41	11.6	Go	848	6.2	+14 6	11.6	Ko
21	877	5.1	+ 8 51	10.3	Ao	..	5.5	+29 49	11.9	K7	797	5.8	+ 3 37	11.6	F2	..	6.2	+ 9 25	11.6	K5
22	..	5.1	+ 5 34	11.4	G	..	5.5	+29 21	10.8	A7	880	5.9	+31 53	9.8	A2	882	6.2	+ 8 30	11.0	Mo
23	..	5.2	+33 54	10.8	A3	779	5.5	+24 39	10.0	G5	..	5.9	+31 42	10.9	A2	*832*	6.2	+ 6 3	10.4	A5
24	904	5.2	+32 18	10.7	A2	849	5.5	+22 29	10.8	A	..	5.9	+31 18	11.7	Ko	831	6.2	+ 5 50	10.7	K5
25	875	5.2	+31 31	10.8	K5	791	5.5	+18 39	10.6	A2	816	5.9	+30 28	11.0	G5	..	6.2	+ 3 12	11.2	G5
26	..	5.2	+30 44	10.6	A2	..	5.5	+ 9 52	11.8	K7	..	5.9	+24 53	11.4	A2	975	6.3	+33 26	10.2	A2
27	775	5.2	+24 19	10.7	A	828	5.5	+ 7 56	11.0	K7	850	5.9	+22 6	11.3	M	..	6.3	+32 28	12.1	Fo
28	776	5.2	+24 17	10.6	Mo	..	5.5	+ 5 11	11.1	F5	862	5.9	+19 35	10.5	Ao	..	6.3	+32 20	11.8	A3
29	789	5.2	+18 15	11.9	K5	796	5.5	+ 3 31	10.4	Ko	742	5.9	+12 41	11.0	K2	821	6.3	+30 31	10.6	Ao
30	717	5.2	+16 56	10.8	G5	..	5.6	+29 55	11.0	A2	743	5.9	+12 35	10.8	F8	796	6.3	+25 37	11.3	G5
31	716	5.2	+16 11	10.7	Fo	..	5.6	+29 46	11.0	Go	..	5.9	+ 9 6	16.6	F8	795	6.3	+25 12	11.6	F2
32	756	5.2	+15 36	10.0	F5	..	5.6	+25 25	11.4	A3	828	5.9	+ 5 53	11.1	Mo	..	6.3	+23 30	11.4	A5
33	..	5.2	+13 10	11.0	G	792	5.6	+25 6	11.6	K5	..	5.9	+ 4 38	11.6	F5	900	6.3	+20 27	10.6	A2
34	736	5.2	+11 58	10.5	A5	860	5.6	+19 11	9.8	Ao	..	5.9	+ 3 14	12.2	Mo	*866*	6.3	+20 1	9.8	Go
35	..	5.2	+ 7 3	11.4	G5	*865*	5.6	+18 2	10.6	G5	817	6.0	+30 40	11.0	Ko	*723*	6.3	+17 1	11.5	G5
36	853	5.2	+ 4 58	11.2	G5	..	5.6	+17 7	11.3	A5	..	6.0	+30 0	10.8	F2	722	6.3	+16 33	10.7	Ko
37	..	5.2	+ 3 37	11.9	F8	844	5.6	+14 10	11.1	A2	..	6.0	+26 17	11.0	Go	..	6.3	+11 42	11.1	A3
38	793	5.2	+ 3 19	10.4	A7	823	5.6	+13 44	12.0	K7	793	6.0	+25 39	10.4	A3	..	6.3	+ 8 55	10.8	Ko
39	..	5.3	+32 15	11.4	Go	..	5.6	+13 5	11.2	A	..	6.0	+24 8	11.8	K5	862	6.3	+ 6 17	11.4	A5
40	..	5.3	+30 55	11.2	A2	..	5.6	+10 31	11.6	G	864	6.0	+19 16	10.0	B9	800	6.3	+ 3 14	11.1	Go
41	..	5.3	+30 49	11.2	Ko	..	5.6	+10 13	11.6	Go	847	6.0	+14 34	11.4	Ko	..	6.3	+ 3 6	11.7	Go
42	..	5.3	+29 57	11.5	A7	..	5.6	+ 6 59	10.6	F8	846	6.0	+14 24	11.6	F5	976	6.4	+33 8	10.5	A7
43	..	5.3	+28 38	11.8	F8	906	5.7	+32 4	11.4	K2	825	6.0	+13 25	11.2	K7	908	6.4	+32 21	10.4	Go
44	786	5.3	+21 36	9.1	B3	879	5.7	+31 42	10.8	F5	..	6.0	+12 51	11.0	F5	909	6.4	+32 13	10.0	Ko
45	864	5.3	+17 17	9.7	Go	834	5.7	+29 24	11.2	Mo	739	6.0	+11 24	11.1	K2	724	6.4	+16 28	11.2	K7
46	719	5.3	+16 33	11.5	Ko	..	5.7	+29 0	12.2	A5	829	6.0	+ 5 56	10.4	Ko	..	6.4	+16 5	10.8	Ko
47	718	5.3	+16 14	11.1	Ko	780	5.7	+24 38	12.0	G5	..	6.0	+ 3 53	12.0	G5	826	6.4	+13 49	10.3	A2
48	..	5.3	+13 45	11.6	Ko	787	5.7	+21 24	10.2	F8	798	6.0	+ 3 46	11.5	G5	745	6.4	+12 5	10.0	Ko
49	..	5.3	+12 20	11.3	G5	861	5.7	+19 10	10.0	Ao	..	6.1	+32 41	12.3	Fo	883	6.4	+ 8 57	10.6	K
50	854	5.3	+ 4 18	10.9	K5	757	5.7	+15 59	10.1	F8	881	6.1	+31 13	10.6	F8	..	6.4	+ 8 38	11.7	K

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

241500 — $5^h\ 6^m.4$ to $5^h\ 7^m.7$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	863	6.4	+ 7 0	11.5	K5	..	6.8	+31 35	10.8	F8	..	7.0	+15 46	11.0	A2	..	7.4	+29 58	10.7	Ao
2	..	6.4	+ 6 46	11.8	G5	884	6.8	+31 31	10.2	Fo	747	7.0	+12 12	10.6	F5	838	7.4	+29 21	10.4	Mo
3	..	6.4	+ 6 39	11.2	Go	..	6.8	+30 57	11.0	F5	..	7.0	+ 6 59	11.4	A3	..	7.4	+28 57	11.8	A
4	..	6.5	+33 59	11.4	Fo	836	6.8	+29 5	10.4	Go	..	7.0	+ 6 5	10.9	F8	876	7.4	+23 54	10.3	F8
5	..	6.5	+32 52	11.4	G	..	6.8	+28 20	11.3	F2	838	7.0	+ 5 46	11.0	K2	..	7.4	+16 49	11.1	A5
6	..	6.5	+31 26	11.4	F5	786	6.8	+24 43	11.0	A2	..	7.0	+ 5 15	10.6	Ao	..	7.4	+ 9 25	11.6	F5
7	..	6.5	+31 10	11.6	Ao	..	6.8	+17 22	10.8	F8	..	7.0	+ 4 28	11.4	G	759	7.4	+ 9 20	11.5	Ko
8	..	6.5	+29 31	11.7	A5	727	6.8	+16 6	10.5	A2	..	7.0	+ 3 52	11.6	F5	868	7.4	+ 6 32	11.2	G5
9	..	6.5	+29 3	10.8	F2	..	6.8	+15 19	11.5	F5	804	7.0	+ 3 13	11.2	Go	865	7.4	+ 4 12	11.0	K2
10	797	6.5	+25 6	10.4	A5	746	6.8	+12 6	10.9	K7	805	7.0	+ 3 10	11.7	Fo	889	7.5	+32 3	10.8	A3
11	875	6.5	+23 47	11.0	K	730	6.8	+10 27	10.4	Go	979	7.1	+33 16	9.6	B9	890	7.5	+31 57	9.8	B8
12	790	6.5	+21 18	11.5	F8	..	6.8	+10 19	11.0	F5	..	7.1	+29 31	12.0	F5	..	7.5	+29 46	11.6	F8
13	867	6.5	+19 51	11.6	K	..	6.8	+ 6 58	11.7	G5	..	7.1	+28 39	10.9	A5	..	7.5	+29 15	12.2	F
14	..	6.5	+17 4	11.6	Ko	..	6.8	+ 5 27	11.2	Ko	..	7.1	+24 43	11.6	F5	..	7.5	+29 13	12.2	F2
15	..	6.5	+ 9 42	11.2	F5	..	6.9	+33 56	10.5	Ao	..	7.1	+24 4	11.2	F8	739	7.5	+27 6	10.0	Go
16	884	6.5	+ 8 32	10.7	Go	..	6.9	+31 14	10.4	Ao	830	7.1	+13 53	10.4	K5	789	7.5	+24 26	11.1	K5
17	..	6.5	+ 8 3	11.8	K7	..	6.9	+30 33	11.8	B8	758	7.1	+ 9 17	10.1	F8	..	7.5	+21 33	11.4	Ko
18	..	6.5	+ 5 37	11.2	Ko	..	6.9	+29 21	11.9	A7	757	7.1	+ 9 4	11.0	F2	797	7.5	+18 17	10.6	F
19	857	6.5	+ 4 13	10.0	Ko	..	6.9	+29 17	11.2	Ao	888	7.1	+ 8 56	11.0	K5	..	7.5	+17 16	11.1	F5
20	..	6.5	+ 3 40	11.8	F8	793	6.9	+21 52	10.1	B8	834	7.1	+ 7 17	10.2	Ao	..	7.5	+17 11	11.6	Go
21	..	6.6	+33 0	11.1	F8	794	6.9	+21 41	10.7	A7	..	7.1	+ 6 55	11.5	Ko	..	7.5	+13 23	11.4	G5
22	..	6.6	+31 50	11.2	F5	901	6.9	+21 4	10.4	Fo	..	7.1	+ 6 44	11.2	Ao	743	7.5	+11 24	10.2	F8
23	..	6.6	+31 18	11.0	Go	793	6.9	+18 47	10.0	B9	839	7.1	+ 5 40	10.8	Ao	..	7.5	+10 53	11.2	A5
24	823	6.6	+30 47	10.0	Ao	..	6.9	+18 3	11.4	Ao	..	7.2	+31 39	11.8	G	764	7.5	+ 9 42	11.6	Mo
25	824	6.6	+30 38	11.6	Ko	..	6.9	+17 27	11.2	Fo	..	7.2	+31 35	11.8	F8	..	7.5	+ 9 30	11.5	K5
26	..	6.6	+28 47	10.6	A7	871	6.9	+17 22	10.7	Go	..	7.2	+30 37	10.7	A5	760	7.5	+ 9 15	10.6	Ko
27	783	6.6	+24 42	11.6	K	728	6.9	+16 29	10.9	Ko	..	7.2	+26 41	11.5	A	761	7.5	+ 9 5	10.7	Ao
28	..	6.6	+24 39	11.4	F5	729	6.9	+16 22	10.0	A	795	7.2	+21 4	10.4	F5	..	7.5	+ 8 49	11.4	Go
29	726	6.6	+16 7	10.8	K5	756	6.9	+ 9 25	11.3	Ko	..	7.2	+19 54	10.9	G5	836	7.5	+ 8 1	11.2	F8
30	729	6.6	+10 54	11.2	A5	887	6.9	+ 8 58	9.3	A5	795	7.2	+18 23	10.4	F5	..	7.5	+ 7 49	11.5	A
31	885	6.6	+ 8 52	10.5	F8	832	6.9	+ 7 51	11.0	Go	873	7.2	+17 16	10.4	Ao	..	7.5	+ 7 9	11.0	A7
32	..	6.6	+ 7 25	11.5	G5	833	6.9	+ 7 44	11.5	F5	731	7.2	+16 20	11.2	Ko	..	7.5	+ 4 28	11.4	F8
33	801	6.6	+ 3 40	10.2	F8	836	6.9	+ 6 0	10.8	G5	841	7.2	+ 5 27	10.3	Go	..	7.6	+33 10	12.0	F2
34	..	6.6	+ 3 30	12.0	F8	..	6.9	+ 5 35	11.4	F5	862	7.2	+ 4 59	11.0	Go	..	7.6	+30 20	10.1	Fo
35	..	6.7	+32 50	10.9	F5	837	6.9	+ 5 32	10.6	Ko	..	7.3	+32 54	11.8	F5	839	7.6	+29 55	11.0	K5
36	883	6.7	+31 58	10.0	K7	860	6.9	+ 4 31	10.8	F8	887	7.3	+31 56	10.6	Go	..	7.6	+29 43	10.8	G5
37	..	6.7	+31 30	11.0	G	802	6.9	+ 3 44	10.9	B9	..	7.3	+31 40	11.0	F8	799	7.6	+25 34	12.0	G5
38	..	6.7	+30 9	11.0	Ao	803	6.9	+ 3 8	11.5	G5	..	7.3	+30 32	11.8	F8	800	7.6	+25 10	9.8	A3
39	..	6.7	+29 31	10.8	A7	978	7.0	+33 10	10.3	Mo	..	7.3	+30 8	12.1	A	788	7.6	+25 1	10.1	F2
40	798	6.7	+25 57	10.6	A3	..	7.0	+32 23	11.0	Go	..	7.3	+28 59	11.9	F8	902	7.6	+20 31	10.6	Go
41	784	6.7	+25 2	11.0	Go	..	7.0	+32 13	11.8	B9	852	7.3	+22 11	11.0	Ao	733	7.6	+16 19	10.8	Go
42	868	6.7	+20 4	11.2	A	885	7.0	+31 3	10.6	A2	851	7.3	+22 7	10.6	A2	..	7.6	+10 41	11.0	Go
43	870	6.7	+17 16	10.4	F2	..	7.0	+29 3	11.6	Fo	..	7.3	+12 3	11.2	F8	..	7.6	+ 8 50	11.8	K2
44	852	6.7	+14 16	11.4	F2	760	7.0	+28 6	10.4	Go	835	7.3	+ 7 32	11.8	K2	890	7.6	+ 8 32	11.6	K7
45	..	6.7	+ 8 38	11.6	Go	..	7.0	+22 35	11.6	A5	..	7.3	+ 6 5	11.3	F5	837	7.6	+ 7 6	11.0	Go
46	..	6.7	+ 8 5	11.7	K7	869	7.0	+19 38	10.6	Ko	863	7.3	+ 4 17	10.8	A7	843	7.6	+ 5 59	11.6	Mo
47	..	6.7	+ 5 52	11.4	F2	794	7.0	+18 24	10.0	A2	806	7.3	+ 3 51	10.9	Go	807	7.6	+ 3 55	11.8	K7
48	835	6.7	+ 5 21	10.7	F5	730	7.0	+16 44	11.0	Fo	..	7.3	+ 3 33	11.6	K5	..	7.7	+33 32	11.2	B9
49	859	6.7	+ 4 20	11.2	K7	..	7.0	+16 12	11.8	K5	..	7.4	+32 53	11.8	G5	..	7.7	+32 40	11.5	Go
50	..	6.7	+ 3 30	11.6	F2	..	7.0	+16 5	11.4	Ao	..	7.4	+32 10	12.2	K	913	7.7	+32 23	10.9	G

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

241700

$5^h\ 7^m.7$ to $5^h\ 8^m.9$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	911	7.7	+32 20	9.6	B9	..	8.0	+31 16	10.9	A5	843	8.3	+29 13	9.6	F8	737	8.6	+10 50	10.0	Ko
2	912	7.7	+32 10	10.0	F2	763	8.0	+28 44	11.2	Ko	..	8.3	+28 24	10.7	Go	..	8.6	+ 7 56	11.6	A
3	910	7.7	+32 8	9.8	Ko	874	8.0	+17 13	10.3	Go	..	8.3	+22 36	10.7	A	870	8.6	+ 6 59	10.2	Go
4	..	7.7	+30 8	11.7	G	..	8.0	+17 1	11.6	G5	*871*	8.3	+20 2	10.1	Ao	..	8.6	+ 6 32	11.8	K2
5	840	7.7	+29 58	10.1	A2	..	8.0	+14 58	11.4	A3	799	8.3	+18 32	11.6	Mo	850	8.6	+ 5 36	11.0	G5
6	..	7.7	+28 26	11.8	F8	834	8.0	+13 30	11.2	Go	878	8.3	+17 45	10.8	K5	869	8.6	+ 4 9	10.9	Go
7	..	7.7	+25 56	11.9	F	..	8.0	+13 5	11.2	G5	849	8.3	+ 5 12	10.4	K5	817	8.6	+ 3 34	10.3	F8
8	791	7.7	+24 47	9.6	F8	..	8.0	+ 8 23	12.1	A3	..	8.3	+ 5 4	11.5	Ko	..	8.7	+33 27	10.4	A3
9	853	7.7	+22 49	11.0	A	..	8.0	+ 4 42	11.3	F8	..	8.3	+ 4 38	11.3	F2	..	8.7	+33 0	10.8	F5
10	..	7.7	+17 6	11.1	A7	866	8.0	+ 4 31	11.4	A5	982	8.4	+33 14	9.6	B8	..	8.7	+29 46	11.4	F8
11	..	7.7	+11 51	11.3	Ao	811	8.0	+ 3 58	11.0	F8	831	8.4	+30 42	10.2	Fo	..	8.7	+26 8	11.4	A5
12	..	7.7	+ 9 49	11.6	Fo	810	8.0	+ 3 40	10.6	F2	..	8.4	+27 34	11.8	A	860	8.7	+22 8	11.1	Ko
13	..	7.7	+ 5 32	11.6	Ko	..	8.1	+33 37	11.4	A	..	8.4	+24 27	11.4	A	802	8.7	+18 46	11.5	Mo
14	..	7.8	+32 51	10.8	A3	..	8.1	+33 12	10.7	A2	872	8.4	+19 47	10.6	K5	*837*	8.7	+14 0	11.2	G5
15	915	7.8	+32 34	9.6	B8	..	8.1	+29 34	11.8	A	873	8.4	+19 9	9.4	A2	843	8.7	+ 7 56	11.3	K5
16	..	7.8	+32 7	11.0	F8	..	8.1	+28 42	11.7	G	..	8.4	+12 34	11.2	F8	842	8.7	+ 7 14	10.8	Ko
17	..	7.8	+31 45	10.3	B9	798	8.1	+26 58	10.7	F8	..	8.4	+10 39	11.4	Ao	..	8.7	+ 5 21	11.4	F8
18	..	7.8	+31 41	11.2	A	..	8.1	+26 41	11.0	G5	767	8.4	+ 9 5	11.0	Ko	851	8.7	+ 5 5	11.1	G5
19	..	7.8	+29 27	10.8	F2	*793*	8.1	+25 1	10.4	G5	..	8.4	+ 6 57	11.4	Go	870	8.7	+ 4 39	11.0	Ko
20	802	7.8	+25 26	11.7	K2	854	8.1	+22 49	11.6	K5	*814*	8.4	+ 4 3	11.1	K7	871	8.7	+ 4 26	11.1	Ko
21	801	7.8	+25 13	11.0	A	875	8.1	+17 20	11.0	M2	..	8.4	+ 3 22	11.3	F5	*819*	8.7	+ 4 3	10.6	Ko
22	792	7.8	+24 30	11.1	K5	835	8.1	+13 10	10.0	Fo	..	8.5	+33 26	10.4	Ao	..	8.7	+ 3 50	11.5	G
23	..	7.8	+17 4	11.3	F8	765	8.1	+ 9 33	10.7	F5	..	8.5	+32 20	11.6	B	818	8.7	+ 3 7	10.0	F8
24	763	7.8	+15 34	11.2	G5	891	8.1	+ 8 33	11.2	Ko	897	8.5	+31 30	10.6	A2	985	8.8	+33 9	11.0	F8
25	*833*	7.8	+14 0	11.4	K7	840	8.1	+ 7 4	10.8	Go	..	8.5	+31 3	11.6	F2	..	8.8	+32 8	11.3	A
26	744	7.8	+11 27	10.8	Go	869	8.1	+ 6 42	11.5	K7	..	8.5	+30 30	11.3	G	899	8.8	+31 11	10.8	K5
27	732	7.8	+10 22	9.8	A3	..	8.1	+ 5 45	10.8	Ao	805	8.5	+25 5	11.7	K5	..	8.8	+30 20	11.4	A
28	809	7.8	+ 3 20	11.0	F5	846	8.1	+ 5 17	11.6	K5	794	8.5	+24 48	11.0	A	845	8.8	+29 8	11.0	K7
29	808	7.8	+ 3 10	10.9	F2	..	8.2	+32 54	11.3	Go	857	8.5	+22 43	11.5	F5	..	8.8	+27 56	11.1	A2
30	981	7.9	+33 14	9.6	G5	919	8.2	+32 29	9.4	B8	858	8.5	+22 14	10.8	Ao	796	8.8	+24 25	11.0	F
31	..	7.9	+33 11	11.0	Ao	918	8.2	+32 14	11.0	G5	..	8.5	+17 23	11.0	A3	879	8.8	+23 51	9.8	Ao
32	916	7.9	+32 27	10.8	B9	..	8.2	+32 9	11.1	A	..	8.5	+16 54	11.0	K5	803	8.8	+18 48	10.2	A7
33	..	7.9	+31 41	11.5	A	..	8.2	+31 0	10.8	F5	734	8.5	+16 52	11.0	K5	764	8.8	+15 41	11.2	Go
34	..	7.9	+30 47	11.2	F8	..	8.2	+30 2	11.2	A7	..	8.5	+13 46	11.4	F8	855	8.8	+14 48	11.0	Go
35	..	7.9	+28 18	11.8	A5	842	8.2	+29 59	10.2	Mo	..	8.5	+11 14	11.1	F8	854	8.8	+14 21	10.9	K5
36	762	7.9	+28 10	10.9	Fo	..	8.2	+26 16	11.8	G5	736	8.5	+10 53	10.5	K2	749	8.8	+11 50	11.1	A2
37	..	7.9	+27 54	11.0	Ao	877	8.2	+17 52	11.0	K2	770	8.5	+ 9 14	10.0	B8	..	8.8	+ 7 5	11.0	F8
38	..	7.9	+22 11	11.1	Ao	876	8.2	+17 40	10.5	Ao	771	8.5	+ 9 11	10.3	A3	..	8.8	+ 5 27	11.3	Go
39	..	7.9	+16 19	10.8	A3	750	8.2	+12 6	10.2	Ko	769	8.5	+ 9 6	10.1	F2	*872*	8.8	+ 5 3	11.2	Ko
40	748	7.9	+12 48	11.0	G5	745	8.2	+11 42	11.6	A5	892	8.5	+ 8 40	10.9	F2	820	8.8	+ 3 5	10.0	F5
41	838	7.9	+ 7 38	11.0	F8	734	8.2	+10 17	10.4	Fo	..	8.5	+ 6 1	11.8	A	900	8.9	+31 36	10.6	K2
42	..	7.9	+ 7 27	11.6	A7	735	8.2	+10 16	10.9	F8	816	8.5	+ 3 28	10.0	F8	..	8.9	+30 44	11.8	G
43	..	7.9	+ 6 26	11.6	Ko	766	8.2	+ 9 5	10.8	F8	920	8.6	+32 54	10.2	B8	..	8.9	+29 52	11.5	A
44	845	7.9	+ 5 30	11.0	K2	848	8.2	+ 5 10	11.0	Ko	..	8.6	+31 33	11.0	G	846	8.9	+29 11	10.8	Ko
45	..	7.9	+ 4 59	11.6	G	896	8.3	+31 35	9.5	B3	834	8.6	+30 39	10.8	F5	..	8.9	+29 0	10.5	Ao
46	..	8.0	+32 47	11.2	A3	..	8.3	+31 24	10.8	A3	*859*	8.6	+23 2	11.0	K5	905	8.9	+20 47	10.2	F8
47	..	8.0	+32 40	10.8	A2	..	8.3	+30 52	11.8	M	797	8.6	+21 48	11.9	K7	*838*	8.9	+14 0	9.8	B9
48	917	8.0	+32 21	10.8	F8	830	8.3	+30 28	9.8	Ao	875	8.6	+19 11	10.6	Go	..	8.9	+13 2	11.4	A
49	893	8.0	+31 55	10.0	B9	..	8.3	+30 2	10.2	B9	801	8.6	+18 32	11.0	Ko	894	8.9	+ 8 45	10.8	F5
50	892	8.0	+31 44	11.0	G5	..	8.3	+30 0	11.4	K5	836	8.6	+13 40	11.2	Go	844	8.9	+ 7 35	11.1	A7

$+3°.0$ to $+34°.0$

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241900

$5^h\ 8^m.9$ to $5^h\ 10^m.2$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	853	8.9	+ 5 28	10.8	G5	740	9.2	+27 38	10.6	G5	987	9.6	+33 37	10.2	A0	..	9.9	+30 11	11.7	F5
2	873	8.9	+ 4 32	10.5	G5	806	9.2	+25 26	10.2	A3	928	9.6	+32 21	10.0	B9	808	9.9	+25 16	10.0	K0
3	821	8.9	+ 3 5	10.8	F2	797	9.2	+24 52	10.0	G0	..	9.6	+29 55	11.8	F8	883	9.9	+23 5	11.6	K5
4	..	9.0	+33 7	11.5	A5	799	9.2	+24 39	11.0	F2	765	9.6	+28 20	11.2	F2	802	9.9	+21 42	10.5	K0
5	923	9.0	+32 8	11.4	G	798	9.2	+24 25	9.7	F8	..	9.6	+12 11	11.2	G5	806	9.9	+18 32	9.4	F8
6	836	9.0	+30 14	10.4	G0	800	9.2	+24 17	10.6	F0	847	9.6	+ 7 58	11.0	A2	742	9.9	+10 50	11.1	G0
7	..	9.0	+29 52	11.8	F	767	9.2	+15 57	10.0	A3	872	9.6	+ 6 41	10.3	A2	..	9.9	+ 9 44	11.6	G
8	..	9.0	+29 50	11.2	G0	753	9.2	+12 19	10.4	G0	..	9.6	+ 5 58	11.0	F8	857	9.9	+ 5 45	10.6	F2
9	..	9.0	+29 47	10.8	A0	751	9.2	+11 16	10.1	F2	878	9.6	+ 4 35	11.4	G5	880	9.9	+ 4 34	10.6	A5
10	764	9.0	+28 47	10.7	G5	776	9.2	+ 9 21	10.5	K2	824	9.6	+ 3 29	10.6	G5	881	9.9	+ 4 5	9.6	K0
11	..	9.0	+28 14	11.8	F0	897	9.2	+ 8 38	11.3	F2	..	9.7	+31 48	11.4	F8	..	9.9	+ 3 57	11.2	A5
12	..	9.0	+28 10	11.6	K0		9.2	+ 8 38	11.2	A0	..	9.7	+30 8	11.9	F	906	10.0	+31 15	10.0	A0
13	880	9.0	+23 40	10.0	G5	898	9.2	+ 8 31	11.1	K2	..	9.7	+29 34	11.8	A7	..	10.0	+30 35	10.8	G0
14	766	9.0	+15 5	10.4	K5	..	9.3	+32 59	11.1	A2	..	9.7	+27 46	12.2	K0	842	10.0	+30 10	11.6	G
15	*750*	9.0	+12 3	10.2	B9	925	9.3	+32 38	9.8	G5	*799*	9.7	+27 1	10.4	G0	..	10.0	+29 57	10.9	F8
16	..	9.0	+11 59	11.2	G0	..	9.3	+30 58	11.6	A	..	9.7	+10 7	11.6	F5	..	10.0	+29 45	11.8	G
17	739	9.0	+10 20	11.9	K5	..	9.3	+30 52	11.8	A	..	9.7	+ 7 32	11.1	G5	742	10.0	+27 17	11.6	K5
18	774	9.0	+ 9 44	11.2	K0	..	9.3	+30 8	11.3	F8	874	9.7	+ 6 19	10.2	B8	..	10.0	+22 20	11.8	A
19	..	9.0	+ 8 18	11.6	F0	801	9.3	+24 4	10.4	G5	..	9.7	+ 6 13	11.2	A0	807	10.0	+18 38	11.0	G
20	..	9.0	+ 7 54	11.5	F0	..	9.3	+23 5	11.4	G5	..	9.7	+ 5 55	11.6	G5	882	10.0	+17 10	9.6	F5
21	845	9.0	+ 7 48	11.2	F8	879	9.3	+17 58	10.2	F2	..	9.7	+ 4 34	10.5	B9	772	10.0	+15 58	10.8	G0
22	..	9.0	+ 6 43	10.8	F0	737	9.3	+16 53	11.0	K7	..	9.7	+ 4 12	11.8	G	858	10.0	+14 11	10.9	F8
23	871	9.0	+ 6 24	11.7	K5	768	9.3	+15 14	11.2	G5	..	9.7	+ 3 58	11.2	G0	841	10.0	+13 8	11.2	K7
24	..	9.0	+ 5 31	11.4	F2	..	9.3	+ 8 25	11.6	A3	..	9.8	+33 9	11.1	B9	..	10.0	+11 20	11.0	G0
25	*874*	9.0	+ 5 0	11.0	K2	..	9.3	+ 5 14	11.2	G0	..	9.8	+32 44	11.3	A3	901	10.0	+ 8 40	11.0	A0
26	875	9.0	+ 4 42	11.1	F8	*876*	9.3	+ 5 0	10.0	K0	..	9.8	+31 36	11.2	B9	..	10.0	+ 7 23	10.8	F2
27	..	9.1	+30 32	10.8	A7	927	9.4	+32 57	10.2	A3	..	9.8	+31 16	10.9	A7	..	10.0	+ 5 50	11.0	G0
28	..	9.1	+30 23	11.0	A5	926	9.4	+32 51	10.7	K2	841	9.8	+30 33	10.2	K5	858	10.0	+ 5 28	10.4	A0
29	837	9.1	+30 18	10.7	A5	..	9.4	+32 13	11.0	B9	840	9.8	+30 4	9.6	F5	..	10.0	+ 4 15	11.4	G5
30	..	9.1	+29 41	11.6	F5	904	9.4	+31 16	11.8	K2	..	9.8	+29 4	11.8	F5	..	10.0	+ 3 34	11.5	G5
31	881	9.1	+23 42	10.2	K0	..	9.4	+31 6	11.6	A0	..	9.8	+28 38	11.5	F2	..	10.1	+33 22	10.7	F5
32	862	9.1	+22 42	10.8	A0	..	9.4	+29 44	11.8	F8	..	9.8	+27 38	11.8	A7	..	10.1	+32 1	11.3	A0
33	861	9.1	+22 31	11.0	A	..	9.4	+17 13	10.9	A2	803	9.8	+24 43	9.8	A2	..	10.1	+31 24	10.8	G5
34	856	9.1	+14 40	10.9	G5	880	9.4	+17 4	10.7	A2	866	9.8	+22 29	11.7	G5	907	10.1	+31 8	10.7	K2
35	..	9.1	+13 18	11.4	A7	..	9.4	+16 33	9.8	G0	805	9.8	+18 5	9.4	A0	..	10.1	+30 2	12.0	K2
36	751	9.1	+12 17	9.6	F8	..	9.4	+13 18	11.3	A5	770	9.8	+15 35	10.1	G0	..	10.1	+29 52	10.8	B9
37	..	9.1	+10 55	11.0	G0	..	9.4	+ 5 39	11.5	G5	..	9.8	+14 19	11.3	G0	..	10.1	+29 41	11.4	B9
38	775	9.1	+ 9 35	11.0	K7	986	9.5	+33 29	10.0	A7	840	9.8	+13 16	11.0	F5	..	10.1	+29 39	11.2	F8
39	854	9.1	+ 5 52	11.6	K0	..	9.5	+33 14	11.0	A0	779	9.8	+ 9 58	10.6	A2	..	10.1	+29 0	11.4	G0
40	823	9.1	+ 3 56	10.9	K0	..	9.5	+31 31	11.4	G5	..	9.8	+ 6 44	11.2	F5	*773*	10.1	+16 1	10.9	G5
41	..	9.1	+ 3 11	11.0	G0	848	9.5	+29 42	10.6	B0	875	9.8	+ 6 27	11.0	M0	..	10.1	+15 59	11.3	G5
42	822	9.1	+ 3 9	10.7	F5	..	9.5	+28 58	12.2	K0	855	9.8	+ 5 5	11.3	G0	..	10.1	+13 35	11.6	A3
43	..	9.2	+33 38	11.0	A5	741	9.5	+27 37	10.8	K2	826	9.8	+ 3 44	10.4	G5	743	10.1	+10 40	11.2	G0
44	..	9.2	+32 53	11.0	G5	..	9.5	+25 21	11.6	A5	..	9.8	+ 3 8	11.0	F5	..	10.1	+ 9 33	11.8	A7
45	..	9.2	+32 21	10.6	G0	877	9.5	+19 24	10.9	F8	988	9.9	+33 44	10.0	A2	780	10.1	+ 9 17	11.2	K0
46	924	9.2	+32 4	10.2	F5	878	9.5	+19 18	10.2	G0	..	9.9	+32 46	11.5	F0	..	10.1	+ 6 29	11.4	G5
47	903	9.2	+31 51	10.8	F0	881	9.5	+17 47	10.3	F8	929	9.9	+32 28	9.4	F8	..	10.1	+ 6 10	10.5	A0
48	902	9.2	+31 41	10.4	A2	752	9.5	+11 19	10.6	F2	930	9.9	+32 17	10.6	F8	932	10.2	+32 15	10.8	K2
49	..	9.2	+29 39	11.0	B9	777	9.5	+ 9 53	11.0	G0	..	9.9	+31 14	11.3	A5	908	10.2	+31 46	11.0	G5
50	..	9.2	+28 25	12.4	F8	..	9.5	+ 8 20	11.6	A7	..	9.9	+30 40	10.8	A5	..	10.2	+31 34	11.6	A5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	843	10.2	+30 30	9.9	A2	842	10.5	+13 37	11.0	F8	805	10.8	+24 57	11.6	K5	851	11.1	+ 7 38	10.4	F5
2	..	10.2	+30 29	11.6	K7	..	10.5	+ 9 58	11.0	Fo	..	10.8	+23 51	11.6	A	..	11.1	+ 7 15	11.8	K5
3	850	10.2	+29 16	10.4	Go	849	10.5	+ 7 24	10.6	K5	*810*	10.8	+19 2	11.2	A	881	11.1	+ 6 21	10.8	Mo
4	768	10.2	+28 49	10.7	A5	..	10.5	+ 6 49	11.4	F8	811	10.8	+18 16	9.6	A2	..	11.1	+ 5 4	11.6	G5
5	..	10.2	+27 43	11.0	F5	866	10.5	+ 5 49	10.2	Fo	883	10.8	+17 58	10.3	A3	886	11.1	+ 4 33	11.7	Go
6	800	10.2	+26 59	9.8	G5	884	10.5	+ 4 37	11.4	G5	740	10.8	+16 42	10.4	A2	..	11.1	+ 4 13	11.5	F8
7	809	10.2	+25 17	10.3	Go	883	10.5	+ 4 31	11.5	Ko	*843*	10.8	+14 2	8.8	F5	997	11.2	+33 56	10.3	Go
8	803	10.2	+21 3	11.4	K	..	10.5	+ 4 7	11.5	Go	..	10.8	+10 22	11.6	G	..	11.2	+32 31	11.9	A
9	774	10.2	+15 31	10.8	Go	..	10.6	+33 10	10.8	A5	867	10.8	+ 5 37	10.9	Go	..	11.2	+31 21	11.5	G5
10	859	10.2	+14 16	11.4	G5	..	10.6	+32 7	10.9	A2	..	10.9	+33 53	10.5	Fo	854	11.2	+29 46	9.9	B5
11	753	10.2	+11 56	9.5	Ao	..	10.6	+31 57	10.7	Ao	*937*	10.9	+33 1	8.6	B3	812	11.2	+25 58	9.7	F5
12	..	10.2	+ 7 22	11.2	F5	..	10.6	+30 19	11.4	Fo	936	10.9	+32 15	10.0	A2	809	11.2	+24 48	11.4	G5
13	860	10.2	+ 5 43	11.0	F5	..	10.6	+28 10	12.0	A	..	10.9	+32 15	11.6	B8	808	11.2	+24 38	10.8	Fo
14	..	10.3	+32 19	10.8	F5	744	10.6	+27 36	10.4	K5	..	10.9	+31 33	11.2	A	..	11.2	+21 39	11.4	A
15	..	10.3	+31 46	11.4	A	..	10.6	+26 40	11.3	Go	..	10.9	+30 35	10.0	A2	885	11.2	+17 31	10.5	Ao
16	909	10.3	+31 43	10.5	Ko	801	10.6	+26 13	11.2	Go	..	10.9	+28 28	11.2	A2	862	11.2	+14 32	9.6	F2
17	..	10.3	+30 [illegible]	11.9	Ko	885	10.6	+23 59	9.7	G5	745	10.9	+27 15	10.6	G5	759	11.2	+11 20	9.6	Go
18	771	10.3	+28 41	10.8	Fo	*868*	10.6	+23 1	11.8	G5	*807*	10.9	+25 0	10.0	F5	..	11.2	+ 9 59	11.1	F8
19	770	10.3	+28 36	10.3	Go	804	10.6	+21 7	10.6	Go	886	10.9	+23 16	11.4	A	785	11.2	+ 9 37	11.0	Go
20	..	10.3	+27 34	12.0	K	..	10.6	+20 0	11.1	Fo	870	10.9	+22 50	11.1	A	..	11.2	+ 8 56	11.6	F5
21	810	10.3	+25 44	11.4	Go	756	10.6	+12 5	9.4	Go	..	10.9	+21 24	11.4	F8	831	11.2	+ 3 44	11.3	F2
22	..	10.3	+15 13	11.8	Go	..	10.6	+ 9 55	11.0	Ao	..	10.9	+19 36	11.6	A	..	11.3	+32 58	11.1	F5
23	..	10.3	+14 29	12.0	G5	781	10.6	+ 9 43	10.6	K2	885	10.9	+19 11	9.0	Go	847	11.3	+30 52	10.4	F2
24	860	10.3	+14 12	11.0	Fo	782	10.6	+ 9 8	10.4	Go	813	10.9	+18 48	10.0	Go	872	11.3	+22 41	11.0	Ko
25	..	10.3	+12 54	11.2	A	..	10.6	+ 8 58	11.8	Ko	777	10.9	+15 35	11.0	Fo	806	11.3	+21 41	10.4	G5
26	754	10.3	+11 57	10.6	F8	992	10.7	+33 35	10.6	Ko	861	10.9	+14 12	11.5	F8	807	11.3	+21 21	11.0	A
27	..	10.3	+ 8 3	11.8	Ko	..	10.7	+33 16	11.0	Ao	907	10.9	+ 8 11	11.2	Go	845	11.3	+13 56	9.4	Ao
28	862	10.3	+ 5 10	11.2	Go	934	10.7	+32 39	10.6	Ko	..	10.9	+ 7 30	11.6	Ko	..	11.3	+ 8 36	12.0	Ko
29	861	10.3	+ 5 6	10.7	F5	..	10.7	+32 31	10.6	F5	885	10.9	+ 4 5	10.4	A7	..	11.4	+32 5	10.4	A3
30	990	10.4	+33 20	10.4	G5	845	10.7	+30 24	10.8	A5	..	11.0	+33 14	10.0	Ao	*848*	11.4	+31 3	10.9	A5
31	..	10.4	+33 2	11.1	Go	..	10.7	+30 6	11.6	Fo	996	11.0	+33 12	9.6	B9	..	11.4	+30 17	11.0	Go
32	..	10.4	+32 52	11.3	Go	851	10.7	+29 58	11.0	Ko	..	11.0	+32 59	10.8	G5	..	11.4	+26 55	12.0	K2
33	..	10.4	+31 30	11.0	F8	..	10.7	+27 43	11.7	A3	..	11.0	+30 33	10.8	Ao	873	11.4	+22 28	10.6	F2
34	..	10.4	+29 9	11.0	Fo	806	10.7	+24 26	11.2	Go	852	11.0	+29 32	12.0	Ko	816	11.4	+18 11	10.6	Ko
35	883	10.4	+19 11	9.6	F8	*739*	10.7	+17 2	10.1	F8	..	11.0	+29 13	11.0	F5	863	11.4	+14 9	11.0	A3
36	808	10.4	+18 10	10.0	Fo	776	10.7	+15 43	11.5	K2	..	11.0	+28 34	11.9	K5	786	11.4	+ 9 59	10.8	Go
37	..	10.4	+16 52	11.2	K5	..	10.7	+ 6 29	11.4	Ko	..	11.0	+27 40	11.3	Ao	908	11.4	+ 8 34	10.7	A2
38	738	10.4	+16 23	10.8	Ko	828	10.7	+ 3 58	11.2	A5	..	11.0	+24 35	11.3	F	852	11.4	+ 7 56	10.8	A7
39	745	10.4	+10 42	11.5	Go	..	10.8	+33 49	10.4	Ao	814	11.0	+18 45	10.1	A3	883	11.4	+ 6 27	10.2	Go
40	..	10.4	+ 8 26	11.8	G5	..	10.8	+33 34	10.3	B9	778	11.0	+15 18	9.8	Fo	882	11.4	+ 6 21	10.5	Ko
41	..	10.4	+ 6 55	11.6	F8	993	10.8	+33 22	9.2	B9	747	11.0	+10 58	10.9	F2	..	11.4	+ 6 17	11.2	F5
42	..	10.4	+ 6 36	11.6	K5	935	10.8	+32 55	9.9	F2	..	11.0	+ 6 7	11.2	Go	..	11.4	+ 4 54	11.4	F8
43	..	10.4	+ 6 27	11.6	F8	913	10.8	+31 9	9.6	F8	..	11.0	+ 5 52	11.6	A7	833	11.4	+ 3 16	11.4	Ko
44	863	10.4	+ 5 57	10.7	Go	912	10.8	+31 5	9.8	Ao	830	11.0	+ 3 22	10.3	A7	..	11.5	+33 56	11.3	Go
45	..	10.5	+29 57	11.8	G	..	10.8	+30 46	11.0	A	..	11.1	+32 36	11.8	A	999	11.5	+33 29	9.4	A3
46	..	10.5	+29 5	11.8	G5	..	10.8	+30 33	11.8	A7	..	11.1	+29 44	11.1	A2	938	11.5	+32 47	11.1	G
47	..	10.5	+28 37	10.7	A2	..	10.8	+30 25	11.3	Fo	853	11.1	+29 37	10.4	A2	..	11.5	+31 38	11.4	A
48	..	10.5	+27 53	11.9	A	..	10.8	+29 39	12.2	K7	..	11.1	+29 12	11.8	F2	..	11.5	+29 17	11.1	Go
49	809	10.5	+18 9	11.1	K7	..	10.8	+28 9	11.4	F5	748	11.1	+10 39	11.1	M3	802	11.5	+26 38	11.0	Go
50	775	10.5	+15 28	11.1	K2	..	10.8	+27 33	11.4	Go	784	11.1	+ 9 41	10.6	Ao	..	11.5	+20 2	11.2	A

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242300 — $5^h\ 11^m.5$ to $5^h\ 13^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	817	11.5	+18 21	9.5	Ao	..	11.9	+32 57	11.2	A	..	12.2	+31 7	11.0	F2	..	12.7	+ 4 1	11.4	Go
2	743	11.5	+16 57	10.3	A2	..	11.9	+32 55	11.2	A	..	12.2	+30 31	11.0	F8	..	12.8	+33 11	10.8	B9
3	846	11.5	+13 46	10.0	F8	915	11.9	+31 36	9.7	K2	..	12.2	+30 1	11.7	G	..	12.8	+33 11	10.8	B9
4	787	11.5	+ 9 42	10.9	Ko	749	11.9	+27 7	11.2	A5	858	12.2	+29 46	10.6	G5	853	12.8	+30 21	10.8	A7
5	..	11.5	+ 7 43	11.6	Go	810	11.9	+24 57	10.1	Go	857	12.2	+29 16	10.8	K5	..	12.8	+29 58	11.0	F5
6	..	11.5	+ 6 38	11.2	K7	889	11.9	+23 45	12.2	K7	*811*	12.2	+25 2	11.4	A	..	12.8	+29 39	11.2	A5
7	..	11.5	+ 6 15	11.0	F8	744	11.9	+16 35	10.6	K2	810	12.2	+21 43	10.6	A5	..	12.8	+28 35	11.8	G
8	888	11.5	+ 4 39	10.8	F5	745	11.9	+16 20	11.0	K7	889	12.2	+17 42	11.0	G5	892	12.8	+23 57	11.0	G5
9	834	11.5	+ 3 34	10.8	F8	780	11.9	+15 52	9.6	Ao	869	12.2	+14 34	11.6	K2	..	12.8	+21 24	11.2	A
10	1001	11.6	+33 20	9.2	A7	791	11.9	+ 9 51	11.3	A2	764	12.2	+12 26	10.8	A7	821	12.8	+18 6	9.0	Ao
11	..	11.6	+33 10	10.8	Ao	854	11.9	+ 7 58	10.7	Go	*749*	12.2	+11 3	10.4	Ao	853	12.8	+13 49	11.0	K5
12	..	11.6	+31 27	11.6	A	872	11.9	+ 5 50	10.8	F5	..	12.2	+10 53	11.0	G5	767	12.8	+12 39	9.5	Fo
13	..	11.6	+30 25	10.8	Ao	..	12.0	+33 10	10.6	F2	890	12.2	+ 4 31	11.6	Go	766	12.8	+12 5	10.8	Go
14	*856*	11.6	+30 2	11.7	A2	..	12.0	+31 59	11.4	F8	1006	12.3	+33 51	9.6	Ko	..	12.8	+10 27	12.0	A
15	855	11.6	+29 27	10.8	G5	..	12.0	+31 29	11.2	A5	..	12.3	+30 56	11.6	G5	889	12.8	+ 6 43	10.6	F8
16	..	11.6	+29 9	10.8	Ao	916	12.0	+31 21	10.2	G5	..	12.3	+30 26	10.8	A2	839	12.8	+ 3 59	11.4	G
17	747	11.6	+27 29	11.8	F8	917	12.0	+31 9	10.8	Ko	811	12.3	+21 53	11.6	K	840	12.8	+ 3 41	11.0	G5
18	..	11.6	+22 30	11.8	A	..	12.0	+30 43	11.4	A3	889	12.3	+19 12	9.5	Go	..	12.8	+ 3 26	11.4	K5
19	808	11.6	+21 35	10.2	G5	..	12.0	+29 34	12.0	A	783	12.3	+15 21	10.6	A7	..	12.9	+33 51	10.8	Ko
20	847	11.6	+13 37	10.6	Ko	..	12.0	+28 27	12.0	G5	..	12.3	+12 26	11.6	A	..	12.9	+33 15	11.3	Fo
21	788	11.6	+ 9 16	10.6	Go	875	12.0	+22 43	11.4	K7	750	12.3	+10 35	11.0	Fo	..	12.9	+33 5	11.5	F8
22	..	11.6	+ 8 58	11.4	G5	911	12.0	+20 8	11.4	K2	1007	12.4	+33 56	10.1	Go	..	12.9	+32 37	11.5	K2
23	884	11.6	+ 6 33	10.6	F2	818	12.0	+18 58	10.6	Fo	812	12.4	+21 10	10.0	A3	942	12.9	+32 6	9.2	B5
24	..	11.6	+ 4 17	10.8	F2	819	12.0	+18 33	10.0	A2	913	12.4	+20 25	10.6	K2	..	12.9	+27 21	11.5	F2
25	..	11.6	+ 3 5	11.7	A	782	12.0	+15 43	11.0	K2	765	12.4	+12 23	11.0	Go	878	12.9	+22 59	11.0	G5
26	939	11.7	+32 36	9.6	Fo	781	12.0	+15 33	9.8	Ko	856	12.4	+ 7 30	11.4	G5	..	12.9	+17 24	11.8	G
27	..	11.7	+32 9	11.0	A2	..	12.0	+15 26	10.8	Ao	..	12.5	+32 33	11.3	A	..	12.9	+15 59	10.8	Go
28	..	11.7	+31 58	10.8	A2	867	12.0	+14 7	10.6	Go	..	12.5	+32 14	11.9	G	871	12.9	+14 59	10.1	Ao
29	..	11.7	+30 42	11.0	F8	837	12.0	+ 3 37	11.4	G5	859	12.5	+29 50	11.0	K5	..	12.9	+11 13	11.2	A
30	..	11.7	+29 17	11.4	B8	..	12.0	+ 3 12	11.0	Go	862	12.5	+29 5	10.8	A2	916	12.9	+ 8 48	10.9	Ko
31	748	11.7	+27 35	11.8	Go	1004	12.1	+33 46	9.7	Fo	861	12.5	+29 4	11.1	A7	890	12.9	+ 6 37	10.4	F2
32	804	11.7	+26 57	11.2	G5	..	12.1	+32 50	11.6	B9	751	12.5	+27 22	12.2	K5	..	12.9	+ 6 12	11.0	Go
33	..	11.7	+23 3	11.4	B8	..	12.1	+32 33	12.0	A	746	12.5	+16 4	10.6	Ko	876	12.9	+ 5 47	11.3	F8
34	..	11.7	+20 24	10.0	A5	941	12.1	+32 7	10.4	K5	762	12.5	+11 7	11.2	G5	842	12.9	+ 3 12	10.0	A5
35	910	11.7	+20 18	9.6	Ko	..	12.1	+30 52	10.2	Ao	888	12.5	+ 6 36	11.6	K5	999	13.0	+34 6	9.9	A2
36	..	11.7	+17 19	10.8	Ao	850	12.1	+30 9	9.4	B8	838	12.5	+ 3 52	11.2	F5	*1011*	13.0	+34 1	9.9	B8
37	864	11.7	+14 17	11.0	F8	..	12.1	+30 0	11.4	Go	1009	12.6	+33 49	8.7	B3	1012	13.0	+33 9	10.2	Go
38	760	11.7	+11 53	10.0	Ao	..	12.1	+28 49	10.6	A3	..	12.6	+31 24	11.6	G	..	13.0	+32 17	11.6	A
39	..	11.8	+33 4	11.0	Ao	..	12.1	+26 15	11.9	G5	820	12.6	+18 48	10.7	Ko	943	13.0	+32 4	9.8	K5
40	940	11.8	+32 39	9.6	K2	814	12.1	+25 20	11.0	Ao	870	12.6	+14 4	10.6	F5	918	13.0	+31 4	9.8	Ao
41	..	11.8	+32 10	10.2	B9	812	12.1	+24 32	10.9	K5	..	12.7	+30 56	10.8	B9	863	13.0	+29 19	11.1	K2
42	..	11.8	+22 14	11.4	A	*890*	12.1	+24 1	11.0	G	..	12.7	+30 0	10.8	A3	..	13.0	+29 0	12.0	F5
43	809	11.8	+21 5	11.2	A	..	12.1	+23 19	11.5	A7	..	12.7	+29 36	10.8	Ao	..	13.0	+28 12	11.6	G5
44	..	11.8	+17 36	10.4	A2	876	12.1	+22 56	11.6	K7	..	12.7	+29 19	11.6	F8	891	13.0	+17 50	10.0	A7
45	849	11.8	+13 47	10.2	A7	..	12.1	+17 48	11.2	G	890	12.7	+17 53	9.7	Ko	..	13.0	+17 39	9.6	Ao
46	790	11.8	+ 9 44	10.4	A7	868	12.1	+14 36	10.5	G5	..	12.7	+16 46	10.5	A5	..	13.0	+16 30	10.6	A5
47	..	11.8	+ 9 18	10.9	A2	..	12.1	+ 9 59	11.6	F8	..	12.7	+15 6	11.0	Go	..	13.0	+14 13	11.0	G5
48	910	11.8	+ 8 55	11.1	F8	913	12.1	+ 8 19	10.4	F8	915	12.7	+ 8 48	11.1	Go	857	13.1	+30 13	9.5	A3
49	871	11.8	+ 5 14	10.8	G5	886	12.1	+ 6 29	11.2	Ko	858	12.7	+ 7 19	10.2	F8	..	13.1	+28 0	12.0	Ko
50	835	11.8	+ 3 33	10.8	Fo	..	12.1	+ 3 12	11.4	A7	892	12.7	+ 4 40	10.5	K2	879	13.1	+22 51	11.2	Ko

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	915	13.1	+20 22	11.0	F5	..	13.4	+31 6	11.3	Go	895	13.7	+19 26	9.8	A2	756	14.0	+10 16	10.2	F8
2	916	13.1	+20 19	10.9	K7	..	13.4	+30 12	11.2	F8	753	13.7	+16 43	10.6	B9	802	14.0	+ 9 32	11.0	K5
3	823	13.1	+18 57	9.5	Ko	*865*	13.4	+30 0	9.6	B8	..	13.7	+16 23	10.8	A2	864	14.0	+ 7 4	11.3	G5
4	822	13.1	+18 39	9.6	G5	..	13.4	+29 53	11.1	A2	754	13.7	+16 15	10.4	Go	898	14.0	+ 4 23	11.6	Mo
5	892	13.1	+17 55	9.5	Ao	..	13.4	+28 55	10.7	B9	786	13.7	+15 10	11.0	Go	847	14.0	+ 3 24	11.2	G5
6	748	13.1	+16 31	10.2	Go	..	13.4	+28 16	11.4	A7	*766*	13.7	+12 1	11.0	F5	..	14.1	+32 53	10.2	A2
7	750	13.1	+16 9	11.6	K5	893	13.4	+23 19	10.4	G5	765	13.7	+11 22	11.2	K7	..	14.1	+31 45	11.3	A3
8	784	13.1	+15 36	10.6	A5	917	13.4	+20 10	9.7	Ao	..	13.7	+10 23	11.1	Ko	922	14.1	+31 33	9.7	F8
9	*872*	13.1	+15 0	11.5	F5	..	13.4	+18 22	11.0	A	..	13.7	+ 5 18	11.3	Ko	923	14.1	+31 7	10.4	F5
10	854	13.1	+13 31	10.4	Go	..	13.4	+18 19	11.0	K	921	13.8	+31 23	10.2	K2	861	14.1	+30 58	10.3	B9
11	878	13.1	+ 5 27	10.4	Ao	..	13.4	+15 43	10.6	A3	..	13.8	+29 51	11.8	A	..	14.1	+30 33	11.3	A2
12	..	13.2	+33 45	10.1	B5	858	13.4	+13 39	10.5	Go	..	13.8	+27 59	12.2	G	..	14.1	+28 12	11.8	Go
13	..	13.2	+30 40	11.0	Ao	800	13.4	+ 9 37	11.0	F2	..	13.8	+27 24	11.3	A3	*924*	14.1	+21 3	9.4	A2
14	..	13.2	+29 13	11.8	F	861	13.4	+ 7 47	11.2	A7	..	13.8	+26 53	11.3	G	897	14.1	+19 15	10.6	Go
15	..	13.2	+28 38	10.8	F2	894	13.4	+ 6 24	11.0	Go	922	13.8	+20 25	11.0	G5	826	14.1	+18 29	10.5	F5
16	752	13.2	+27 29	11.6	G	844	13.4	+ 3 16	11.4	F5	894	13.8	+19 38	9.8	Go	..	14.1	+17 47	11.0	Go
17	..	13.2	+25 40	11.8	Ko	946	13.5	+32 40	11.0	G5	875	13.8	+14 45	11.1	G5	..	14.1	+17 2	10.7	Go
18	815	13.2	+21 37	9.9	Ao	947	13.5	+32 30	10.0	A2	771	13.8	+12 50	10.2	A2	877	14.1	+14 45	11.0	Go
19	892	13.2	+19 34	10.7	K7	..	13.5	+27 40	11.0	A2	772	13.8	+12 43	10.7	G5	770	14.1	+11 57	9.6	Fo
20	824	13.2	+18 58	10.8	Go	..	13.5	+27 37	11.2	Ao	..	13.8	+10 20	11.2	F8	769	14.1	+11 47	10.8	F8
21	751	13.2	+16 35	11.0	K5	753	13.5	+27 4	10.6	Go	..	13.8	+10 3	11.4	Ao	923	14.1	+ 8 39	11.4	K7
22	857	13.2	+13 9	10.6	Ko	..	13.5	+16 36	11.0	Go	922	13.8	+ 8 18	11.6	Go	924	14.1	+ 8 14	11.8	K5
23	*769*	13.2	+13 1	11.0	Go	..	13.5	+16 15	11.0	Ko	..	13.8	+ 5 52	11.1	F5	..	14.1	+ 6 32	11.6	Mo
24	918	13.2	+ 8 5	11.0	F5	859	13.5	+13 46	10.7	A5	..	13.9	+32 30	10.7	A2	883	14.1	+ 5 23	10.8	Mo
25	859	13.2	+ 7 43	11.0	F8	862	13.5	+ 7 18	10.4	Ko	..	13.9	+31 22	11.3	F2	..	14.2	+32 39	11.0	G5
26	892	13.2	+ 6 53	11.0	F2	948	13.6	+32 28	10.0	Fo	..	13.9	+30 6	11.8	A3	925	14.2	+31 56	10.4	F8
27	894	13.2	+ 4 45	11.2	K5	859	13.6	+30 50	10.7	Ko	..	13.9	+29 40	11.2	F8	..	14.2	+31 46	11.5	A5
28	..	13.3	+33 8	11.1	A5	..	13.6	+30 35	10.0	B8	..	13.9	+28 38	10.8	F8	924	14.2	+31 34	10.5	Ao
29	..	13.3	+32 52	11.7	A	..	13.6	+30 16	10.7	A5	..	13.9	+27 59	11.7	F8	..	14.2	+31 23	11.1	G5
30	920	13.3	+31 51	9.9	B8	866	13.6	+29 22	10.8	F8	754	13.9	+27 32	10.8	Fo	..	14.2	+30 55	10.6	F5
31	919	13.3	+31 23	10.9	K2	806	13.6	+26 59	9.5	G5	817	13.9	+25 57	10.7	A5	..	14.2	+30 35	11.2	A2
32	..	13.3	+31 6	11.3	A2	805	13.6	+26 9	10.0	Go	817	13.9	+24 19	10.2	Fo	..	14.2	+29 17	11.4	B9
33	..	13.3	+29 52	11.5	Ko	816	13.6	+25 5	10.1	Go	*895*	13.9	+24. 2	10.6	Ao	778	14.2	+28 56	10.0	Go
34	864	13.3	+29 24	10.6	G5	..	13.6	+21 29	11.1	K5	923	13.9	+20 41	10.8	Go	..	14.2	+28 34	11.6	Ao
35	..	13.3	+28 24	11.0	A3	920	13.6	+20 55	9.7	F5	..	13.9	+17 40	10.6	Go	..	14.2	+26 19	12.3	K5
36	816	13.3	+24 32	10.5	K2	919	13.6	+20 47	11.1	Go	895	13.9	+17 8	11.6	K5	..	14.2	+19 7	10.7	A3
37	880	13.3	+22 42	11.4	F	894	13.6	+17 27	9.6	A2	773	13.9	+12 35	10.2	F5	*756*	14.2	+17 1	10.5	Ao
38	817	13.3	+21 39	10.5	Ao	*752*	13.6	+17 0	10.6	A3	..	13.9	+ 8 11	11.7	F2	863	14.2	+13 7	10.2	F2
39	..	13.3	+21 31	11.3	G	874	13.6	+14 7	10.4	A7	895	13.9	+ 6 13	10.1	F2	803	14.2	+ 9 30	10.2	F8
40	..	13.3	+17 3	10.8	G5	770	13.6	+12 29	10.9	A2	..	13.9	+ 4 46	11.4	G5	866	14.2	+ 7 42	10.5	F2
41	785	13.3	+15 6	10.6	A2	753	13.6	+10 59	11.0	A5	897	13.9	+ 4 15	11.6	K2	848	14.2	+ 3 45	11.0	K5
42	798	13.3	+ 9 31	11.0	G5	..	13.6	+ 9 48	11.9	K2	..	14.0	+31 11	11.2	Ao	950	14.3	+32 59	9.5	Ao
43	799	13.3	+ 9 23	11.0	Ao	846	13.6	+ 3 12	11.2	Ko	..	14.0	+30 58	11.4	A	..	14.3	+31 53	11.5	A
44	797	13.3	+ 9 8	10.6	F5	1014	13.7	+33 7	8.8	B5	..	14.0	+29 29	11.8	K	755	14.3	+27 58	10.0	Ao
45	893	13.3	+ 6 28	11.4	F2	..	13.7	+32 20	10.5	A3	..	14.0	+29 18	11.6	A5	..	14.3	+26 35	11.4	G5
46	..	13.3	+ 6 18	11.4	F5	..	13.7	+30 38	10.8	F5	819	14.0	+24 24	10.5	G5	897	14.3	+23 41	10.7	Ao
47	..	13.3	+ 4 45	11.2	Fo	..	13.7	+29 29	11.8	G5	876	14.0	+14 21	10.2	Go	896	14.3	+23 5	10.6	Go
48	896	13.3	+ 4 4	10.0	F2	..	13.7	+28 41	11.4	A5	..	14.0	+13 27	11.1	A3	925	14.3	+20 27	11.1	F5
49	..	13.4	+32 29	10.6	Ko	..	13.7	+21 37	11.4	A	768	14.0	+11 42	10.6	Go	926	14.3	+20 4	10.8	Go
50	..	13.4	+31 49	11.2	Go	921	13.7	+20 32	11.6	K2	767	14.0	+11 19	10.3	F5	..	14.3	+17 43	10.9	Ko

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$5^h\ 14^m.3$ to $5^h\ 15^m.9$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	*789*	14.3	+16 1	9.3	Ao	808	14.7	+26 40	11.6	K5	..	15.1	+31 43	11.0	F5	792	15.5	+15 41	10.8	F8
2	..	14.3	+ 7 15	11.6	G5	881	14.7	+22 54	11.4	G	865	15.1	+30 50	10.6	G5	929	15.5	+ 8 51	10.6	A2
3	849	14.3	+ 3 46	10.4	K2	882	14.7	+22 45	11.6	K	..	15.1	+29 45	11.1	Ao	*904*	15.5	+ 5 1	10.5	F5
4	*951*	14.4	+33 2	9.6	B5	928	14.7	+20 52	10.6	K7	902	15.1	+17 9	10.6	Ko	..	15.6	+33 36	10.5	Ao
5	..	14.4	+32 20	11.4	Ao	..	14.7	+18 34	10.2	A7	..	15.1	+16 13	11.4	A	..	15.6	+33 26	10.0	B8
6	..	14.4	+30 11	11.4	A	776	14.7	+12 15	10.8	Go	791	15.1	+15 50	10.8	Ao	959	15.6	+32 56	9.8	B8
7	..	14.4	+29 22	11.0	Go	..	14.7	+ 6 45	11.6	Go	871	15.1	+ 7 53	10.8	K5	..	15.6	+30 50	11.0	Go
8	..	14.4	+27 36	11.8	A	..	14.7	+ 5 54	11.1	F5	902	15.1	+ 4 45	10.8	K7	871	15.6	+29 42	10.0	A3
9	898	14.4	+23 11	10.5	F8	889	14.7	+ 5 40	10.0	F5	..	15.2	+32 55	11.2	A	903	15.6	+23 54	11.2	Ko
10	898	14.4	+17 8	10.4	A2	898a	14.7	+ 4 26	11.4	Go	..	15.2	+32 50	10.6	B9	..	15.6	+23 24	11.5	A
11	878	14.4	+14 11	11.3	Ko	899	14.7	+ 4 26	10.4	A3	..	15.2	+32 11	11.2	Ao	..	15.6	+16 45	11.1	G5
12	771	14.4	+11 27	10.2	F2	851	14.7	+ 3 27	11.4	K2	936	15.2	+31 22	10.2	A3	759	15.6	+16 13	10.6	A2
13	..	14.4	+ 6 58	11.4	Ko	852	14.7	+ 3 17	11.4	Mo	866	15.2	+30 29	10.9	F5	886	15.6	+14 23	9.9	Ko
14	..	14.4	+ 6 36	11.4	G5	*929*	14.8	+32 2	9.2	B9	828	15.2	+18 56	9.5	G5	887	15.6	+14 7	11.2	G5
15	898	14.4	+ 6 17	10.4	Fo	864	14.8	+30 33	11.4	Ko	829	15.2	+18 21	10.6	G5	807	15.6	+ 9 48	9.9	F2
16	1016	14.5	+33 53	9.8	Go	..	14.8	+30 28	11.2	Fo	..	15.2	+17 40	11.0	Ko	930	15.6	+ 8 55	10.8	K5
17	926	14.5	+31 59	10.5	A3	820	14.8	+25 37	9.6	F5	777	15.2	+12 39	10.2	Ko	873	15.6	+ 7 47	10.8	Go
18	..	14.5	+30 11	11.3	A5	901	14.8	+19 51	10.2	Go	804	15.2	+ 9 35	10.6	G5	893	15.6	+ 5 46	11.2	K7
19	863	14.5	+30 7	11.2	K5	757	14.8	+16 17	10.6	A5	..	15.3	+33 54	10.5	Go	940	15.7	+31 57	9.8	Go
20	*867*	14.5	+30 0	11.1	Ao	..	14.8	+16 15	11.0	Go	..	15.3	+33 30	11.2	A2	..	15.7	+30 10	10.8	A2
21	807	14.5	+26 56	10.5	Ao	757	14.8	+10 11	11.2	K2	..	15.3	+32 24	10.4	A3	..	15.7	+28 51	11.2	Ao
22	..	14.5	+25 27	12.0	K5	..	14.8	+ 6 50	11.5	A7	..	15.3	+30 59	12.3	A	781	15.7	+28 48	11.5	G
23	..	14.5	+25 20	12.0	Ko	..	14.9	+31 41	11.1	F5	870	15.3	+29 49	10.7	Ko	821	15.7	+24 23	12.1	F8
24	900	14.5	+23 38	10.4	G5	930	14.9	+31 4	10.4	Ao	927	15.3	+ 8 43	11.8	Go	904	15.7	+23 11	10.5	F8
25	827	14.5	+18 29	10.7	K7	..	14.9	+30 39	10.8	A2	..	15.3	+ 6 50	11.4	Go	931	15.7	+20 17	10.8	A5
26	879	14.5	+14 19	11.4	G5	780	14.9	+28 21	10.0	Ao	901	15.3	+ 6 48	10.4	Go	830	15.7	+18 27	10.6	Go
27	868	14.5	+ 7 34	11.0	F8	..	14.9	+28 7	11.2	Go	892	15.3	+ 5 4	11.4	G5	*904*	15.7	+18 0	11.2	K5
28	899	14.5	+ 6 30	10.7	F8	760	14.9	+27 49	10.6	A7	..	15.4	+33 34	11.1	A5	..	15.7	+17 11	11.0	K2
29	..	14.6	+30 27	11.6	A5	930	14.9	+20 35	10.4	A7	..	15.4	+32 36	11.2	Ao	760	15.7	+16 8	11.0	G5
30	..	14.6	+30 3	11.8	A	772	14.9	+11 31	9.7	Ko	..	15.4	+29 42	11.8	Ao	794	15.7	+15 18	9.6	Fo
31	..	14.6	+28 53	11.3	G5	..	14.9	+ 5 34	10.5	F2	761	15.4	+27 45	10.5	A2	888	15.7	+14 50	9.4	Fo
32	757	14.6	+27 59	10.1	Ao	..	14.9	+ 5 18	11.3	G5	762	15.4	+27 20	11.3	Mo	869	15.7	+13 5	11.2	F8
33	756	14.6	+27 21	10.8	Fo	900	14.9	+ 4 8	11.6	A2	..	15.4	+24 25	11.9	Go	903	15.7	+ 6 56	10.2	F2
34	901	14.6	+23 21	11.4	G5	*953*	15.0	+33 2	10.7	K5	..	15.4	+20 20	11.0	A7	894	15.7	+ 5 29	10.2	F8
35	927	14.6	+20 59	10.4	Go	..	15.0	+32 40	11.2	A	903	15.4	+19 31	11.5	F5	..	15.7	+ 4 12	11.3	F5
36	899	14.6	+19 46	10.2	A2	931	15.0	+31 52	9.6	Go	..	15.4	+18 41	10.5	F8	856	15.7	+ 3 29	10.7	F2
37	..	14.6	+17 22	10.8	Ao	932	15.0	+31 41	10.6	Go	..	15.4	+17 48	11.2	M	960	15.8	+32 50	10.6	Go
38	880	14.6	+14 6	9.5	F5	..	15.0	+30 38	11.2	F8	..	15.4	+16 57	11.4	Go	..	15.8	+32 11	11.2	A2
39	865	14.6	+13 14	11.2	K7	..	15.0	+30 23	11.1	Go	759	15.4	+10 41	11.2	F8	..	15.8	+30 38	12.1	F8
40	775	14.6	+12 37	10.2	G5	..	15.0	+28 16	11.7	A5	..	15.4	+ 6 22	10.7	F8	..	15.8	+30 19	11.0	A3
41	926	14.6	+ 8 41	10.2	Ao	..	15.0	+18 29	10.8	A2	1019	15.5	+33 36	10.3	B9	809	15.8	+26 56	10.2	A2
42	..	14.6	+ 7 21	11.2	Go	883	15.0	+14 43	10.9	Go	..	15.5	+33 36	10.4	A2	..	15.8	+20 15	10.6	A2
43	900	14.6	+ 6 31	10.6	Ko	882	15.0	+14 19	11.3	K5	938	15.5	+31 59	9.8	F5	832	15.8	+18 48	10.1	A5
44	850	14.6	+ 3 26	11.7	K7	..	15.0	+ 8 47	11.6	G5	937	15.5	+31 6	10.6	Ao	905	15.8	+17 54	10.6	G5
45	927	14.7	+31 43	10.6	F2	870	15.0	+ 7 45	10.4	F5	*764*	15.5	+28 0	10.0	A3	..	15.8	+16 26	11.6	G5
46	928	14.7	+31 43	10.8	F8	..	15.0	+ 5 4	11.0	F2	763	15.5	+27 18	11.6	G	870	15.8	+13 15	9.4	F8
47	..	14.7	+29 26	9.9	A2	901	15.0	+ 4 58	10.6	K2	904	15.5	+19 13	11.0	K2	..	15.8	+10 3	11.2	A3
48	868	14.7	+29 18	10.1	Ao	854	15.0	+ 3 3	10.0	Ao	903	15.5	+17 50	11.4	Ko	..	15.9	+32 36	11.2	Ao
49	..	14.7	+29 10	11.3	A	..	15.1	+33 10	11.1	A7	..	15.5	+17 37	11.2	K5	961	15.9	+32 6	10.8	Go
50	*759*	14.7	+28 2	9.6	B8	..	15.1	+32 39	10.3	Ao	..	15.5	+17 3	11.6	Ko	..	15.9	+30 31	11.7	Ko

$+3°.0$ to $+34°.0$

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$5^h\ 15^m.9$ to $5^h\ 17^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	15.9	+29 20	12.1	A	..	16.3	+29 38	12.2	A5	908	16.6	+ 4 35	11.4	Mo	865	16.9	+ 3 13	10.8	Go
2	..	15.9	+27 49	11.8	G	..	16.3	+29 27	11.2	Ao	909	16.6	+ 4 8	10.6	Ao	..	17.0	+31 0	11.4	F8
3	822	15.9	+24 27	11.7	Go	..	16.3	+29 18	11.6	A3	862	16.6	+ 3 51	10.6	F2	..	17.0	+30 15	10.8	A2
4	884	15.9	+22 51	10.4	Ko	765	16.3	+27 59	9.8	Fo	..	16.7	+32 32	11.2	F2	..	17.0	+29 53	10.7	A7
5	932	15.9	+20 49	9.8	Go	..	16.3	+27 8	11.4	Go	949	16.7	+31 40	9.7	Ko	..	17.0	+28 23	11.9	F8
6	..	15.9	+14 21	11.2	F2	821	16.3	+21 7	11.5	K7	..	16.7	+30 18	11.2	Ao	..	17.0	+22 5	11.4	Go
7	905	15.9	+ 6 52	11.2	K7	908	16.3	+17 19	10.2	F8	867	16.7	+30 8	10.0	A3	823	17.0	+21 21	11.2	A
8	1023	16.0	+33 25	8.7	Bo	798	16.3	+15 18	10.9	A5	..	16.7	+28 46	10.2	A5		17.0	+21 21	11.4	Ao
9	..	16.0	+32 46	10.8	Go	896	16.3	+ 5 11	10.7	Ko	824	16.7	+24 59	10.4	A7	..	17.0	+21 3	11.3	F2
10	*941*	16.0	+32 2	10.0	A2	..	16.3	+ 5 4	11.6	K5	905	16.7	+23 36	10.8	Fo	937	17.0	+20 46	11.4	K5
11	942	16.0	+31 23	10.2	Ao	..	16.4	+32 24	10.8	F5	936	16.7	+20 50	9.5	Ao	*910*	17.0	+20 1	9.7	B9
12	..	16.0	+30 44	12.2	K	*943*	16.4	+32 0	10.1	F2	..	16.7	+20 29	11.5	A	911	17.0	+19 27	10.4	A2
13	..	16.0	+30 23	11.6	F5	..	16.4	+30 57	11.4	Ao	835	16.7	+18 45	9.6	F5	..	17.0	+18 53	10.8	Go
14	872	16.0	+29 33	10.0	F8	875	16.4	+29 50	10.7	Ko	912	16.7	+17 38	10.4	Fo	915	17.0	+17 5	10.8	A5
15	..	16.0	+29 12	11.9	G5	..	16.4	+29 9	10.9	B9	..	16.7	+14 12	11.4	A3	780	17.0	+11 4	11.0	F8
16	821	16.0	+25 6	11.9	K7	834	16.4	+18 7	10.5	A3	911	16.7	+ 6 42	10.3	A7	..	17.0	+ 5 52	10.6	A3
17	885	16.0	+22 5	11.2	Go	..	16.4	+ 9 38	12.2	K7	..	16.8	+33 59	10.2	A3	900	17.0	+ 5 4	10.5	Ko
18	833	16.0	+18 19	10.0	F2	..	16.4	+ 5 21	11.5	Ko	..	16.8	+33 28	10.4	Bo	910	17.0	+ 4 43	10.1	F8
19	..	16.0	+17 50	11.2	Ko	..	16.4	+ 4 55	11.4	Ko	..	16.8	+31 36	10.8	A5	867	17.0	+ 3 18	10.5	A7
20	796	16.0	+15 23	11.1	Ko	..	16.4	+ 4 38	10.8	F8	..	16.8	+31 29	10.4	F2	..	17.1	+33 29	10.4	B
21	776	16.0	+11 52	11.6	A3	944	16.5	+31 49	10.4	F5	868	16.8	+30 24	12.1	Mo	1029	17.1	+33 26	10.4	Ao
22	761	16.0	+10 33	10.2	Go	945	16.5	+31 33	10.2	Go	..	16.8	+29 34	12.0	F8	..	17.1	+31 29	11.0	Fo
23	907	16.0	+ 4 35	10.8	F5	..	16.5	+31 23	11.0	B9	..	16.8	+29 6	11.0	A3	..	17.1	+31 7	11.8	F2
24	906	16.0	+ 4 22	10.9	K2	..	16.5	+30 47	11.8	A	..	16.8	+27 56	10.8	Ao	..	17.1	+30 37	11.5	A3
25	..	16.1	+33 34	10.7	A2	..	16.5	+30 46	11.8	Ao	..	16.8	+20 21	11.6	K5	869	17.1	+30 7	10.8	A3
26	1024	16.1	+33 13	9.5	Bo	..	16.5	+30 16	11.9	F2	909	16.8	+19 9	10.8	Ko	*877*	17.1	+30 1	10.8	Ao
27	..	16.1	+31 45	11.2	A2	*784*	16.5	+29 0	10.4	A7	914	16.8	+17 45	10.8	Fo	..	17.1	+29 42	11.8	A3
28	..	16.1	+30 36	10.9	A3	..	16.5	+27 42	11.6	Ko	913	16.8	+17 38	10.8	K5	..	17.1	+29 32	10.8	Ao
29	..	16.1	+30 29	10.3	Fo	822	16.5	+21 44	11.4	A	..	16.8	+15 39	11.4	Go	..	17.1	+29 5	11.2	Ao
30	810	16.1	+26 5	11.6	F2	907	16.5	+19 58	9.5	A5	778	16.8	+11 57	11.0	F8	..	17.1	+22 24	11.4	G
31	761	16.1	+16 43	10.7	F8	908	16.5	+19 9	10.8	A3	765	16.8	+10 55	11.0	A5	838	17.1	+18 49	9.8	Go
32	*871*	16.1	+14 1	9.9	Fo	..	16.5	+19 0	10.5	A3	764	16.8	+10 29	11.2	Ko	..	17.1	+18 39	10.8	K2
33	777	16.1	+11 25	10.8	Ao	..	16.5	+18 2	11.0	A	..	16.8	+ 6 29	11.2	A7	916	17.1	+17 33	9.5	Ao
34	906	16.1	+ 6 21	11.1	A5	910	16.5	+17 37	10.6	Ao	863	16.8	+ 3 13	10.5	Ko	..	17.1	+14 51	11.2	Go
35	1026	16.2	+33 19	9.6	B3	911	16.5	+17 17	10.0	Fo	..	16.9	+33 28	10.4	B3	876	17.1	+13 10	10.2	A5
36	..	16.2	+30 39	11.5	A2	..	16.5	+16 28	11.0	A7	..	16.9	+32 42	10.0	B2	875	17.1	+13 8	9.4	G5
37	..	16.2	+30 8	12.0	A7	889	16.5	+14 56	9.4	A5	..	16.9	+31 31	11.0	F8	..	17.1	+ 6 14	10.6	F5
38	874	16.2	+29 10	9.4	A5	907	16.5	+ 6 44	10.2	Ao	..	16.9	+30 24	12.1	Ao	..	17.1	+ 4 24	10.9	G5
39	933	16.2	+20 51	9.6	B3	860	16.5	+ 3 27	11.1	Go	..	16.9	+29 26	12.0	G5	868	17.1	+ 3 20	10.8	Go
40	934	16.2	+20 15	10.8	Ao	..	16.5	+ 3 24	10.9	F8	..	16.9	+29 7	12.2	Ko	..	17.2	+33 49	12.0	A7
41	..	16.2	+19 1	11.6	K7	..	16.6	+32 27	10.6	Ao	..	16.9	+20 10	11.1	A3	..	17.2	+32 53	11.2	G5
42	907	16.2	+17 16	10.6	Ko	947	16.6	+31 4	8.9	B9	837	16.9	+18 39	9.8	K5	964	17.2	+32 37	11.0	K5
43	..	16.2	+14 48	11.0	A7	..	16.6	+29 18	11.8	Ko	..	16.9	+17 21	10.7	Ao	*950*	17.2	+32 1	9.5	Fo
44	..	16.2	+14 15	12.0	F8	*786*	16.6	+29 2	10.6	Go	..	16.9	+17 6	11.1	A3	789	17.2	+28 55	10.8	K9
45	*781*	16.2	+13 2	11.4	K7	823	16.6	+24 4	11.8	F8	..	16.9	+16 45	11.2	F8	..	17.2	+26 54	11.7	A7
46	782	16.2	+12 47	11.2	G5	888	16.6	+22 43	11.2	G5	800	16.9	+15 21	10.8	Ao	877	17.2	+13 41	11.1	A5
47	962	16.3	+32 38	11.1	G5	872	16.6	+13 16	10.6	A2	*873*	16.9	+14 0	11.3	Go	..	17.2	+ 6 20	11.2	G5
48	..	16.3	+32 2	11.2	A5	809	16.6	+ 9 36	10.8	Fo	784	16.9	+12 43	10.0	A2	..	17.3	+33 39	11.3	Go
49	..	16.3	+30 29	11.0	A2	934	16.6	+ 8 40	11.2	A7	810	16.9	+ 9 12	11.8	Mo	965	17.3	+32 41	10.1	Ko
50	..	16.3	+30 11	11.6	Fo	898	16.6	+ 5 34	10.6	F5	938	16.9	+ 8 19	10.8	A2	..	17.3	+32 29	10.1	A5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	17.3	+32 13	11.2	G5	..	17.6	+21 51	11.9	G5	969	17.9	+32 47	11.5	A2	..	18.2	+29 8	10.8	A3
2	..	17.3	+31 38	10.3	A5	..	17.6	+20 26	11.2	Ao	970	17.9	+32 43	11.0	A5	890	18.2	+22 4	10.2	F2
3	..	17.3	+29 57	12.1	A7	..	17.6	+19 50	11.4	A	..	17.9	+31 49	11.0	B8	944	18.2	+20 55	9.3	F2
4	879	17.3	+29 29	10.2	Fo	..	17.6	+19 2	10.8	Go	..	17.9	+30 3	10.8	B9	842	18.2	+18 57	10.0	Ao
5	938	17.3	+20 10	10.9	Ao	785	17.6	+12 37	10.5	F8	..	17.9	+29 40	10.6	Ao	841	18.2	+18 14	9.3	Fo
6	878	17.3	+13 52	9.9	F5	813	17.6	+ 9 35	11.2	Ko	..	17.9	+29 28	11.3	A3	..	18.2	+15 35	11.0	Ko
7	..	17.3	+ 7 35	11.8	K2	812	17.6	+ 9 29	11.0	Go	..	17.9	+29 16	12.0	A	896	18.2	+14 40	10.8	F5
8	913	17.3	+ 6 11	10.4	K7	941	17.6	+ 8 41	11.8	M2	..	17.9	+28 50	11.9	A	..	18.2	+13 20	11.4	G5
9	869	17.3	+ 3 26	10.2	Fo	*1031*	17.7	+34 0	10.2	Fo	791	17.9	+28 27	10.9	K7	816	18.2	+ 9 19	11.2	K7
10	..	17.4	+33 23	10.4	Ao	..	17.7	+32 54	10.9	F8	806	17.9	+15 35	10.7	A3	917	18.2	+ 6 32	10.6	Fo
11	..	17.4	+31 31	10.8	A2	..	17.7	+32 11	11.0	Ao	882	17.9	+13 25	10.3	K2	*875*	18.2	+ 4 0	10.2	Fo
12	870	17.4	+30 17	10.4	A3	..	17.7	+29 43	11.8	K	788	17.9	+11 42	11.0	F8	..	18.2	+ 3 7	11.8	G
13	912	17.4	+19 11	10.8	G	880	17.7	+29 38	9.7	F5	815	17.9	+ 9 29	11.0	A3	..	18.2	+ 3 4	11.4	A5
14	..	17.4	+17 27	10.7	Go	..	17.7	+29 13	11.6	K5	*943*	17.9	+ 9 3	10.6	Go	..	18.3	+31 38	11.8	F2
15	..	17.4	+16 54	10.7	Go	..	17.7	+28 19	12.0	K5	..	17.9	+ 8 5	11.6	K5	..	18.3	+30 7	11.5	B9
16	..	17.4	+15 43	11.4	G5	*812*	17.7	+27 1	12.1	K5	874	17.9	+ 3 47	11.2	K5	881	18.3	+29 8	10.4	A2
17	879	17.4	+13 39	11.1	K5	..	17.7	+26 11	11.3	Ko	..	18.0	+33 3	11.6	Go	..	18.3	+28 44	11.4	Ao
18	783	17.4	+11 52	11.0	G5	824	17.7	+21 29	11.0	Go	971	18.0	+32 48	11.1	A5	..	18.3	+28 38	11.4	F8
19	782	17.4	+11 19	10.6	K5	940	17.7	+20 35	9.8	B8	..	18.0	+31 35	11.0	A3	..	18.3	+27 15	11.8	Ko
20	767	17.4	+10 52	10.7	Go	892	17.7	+14 4	9.8	F8	..	18.0	+31 14	10.8	B8	825	18.3	+25 52	11.2	Ao
21	940	17.4	+ 8 6	11.2	K2	880	17.7	+13 37	11.0	K7	..	18.0	+28 14	11.6	A7	918	18.3	+19 37	10.6	A3
22	..	17.4	+ 7 37	11.4	F8	786	17.7	+11 21	10.8	Ko	813	18.0	+26 41	10.2	A7	..	18.3	+18 7	10.6	A
23	..	17.4	+ 5 58	11.6	K5	787	17.7	+11 20	10.9	K2	*889*	18.0	+23 1	10.6	Go	817	18.3	+ 9 37	10.8	A5
24	901	17.4	+ 5 43	10.1	F5	942	17.7	+ 8 54	10.2	F5	942	18.0	+20 18	10.0	K2	944	18.3	+ 8 4	11.2	K5
25	..	17.5	+33 28	10.9	F8	..	17.7	+ 7 40	11.2	Ao	*893*	18.0	+15 2	10.0	F2	..	18.3	+ 5 57	11.3	F8
26	967	17.5	+32 44	11.2	K5	914	17.7	+ 6 34	10.6	A2	..	18.0	+13 55	11.0	Go	..	18.3	+ 4 11	11.2	G5
27	872	17.5	+30 57	9.5	A2	..	17.7	+ 4 18	10.6	A2	902	18.0	+ 5 35	10.4	F2	876	18.3	+ 3 41	11.0	F8
28	..	17.5	+30 37	11.8	F5	..	17.8	+33 15	11.3	F2	912	18.0	+ 4 40	11.4	Ko	..	18.4	+33 40	10.8	Ao
29	871	17.5	+30 9	9.5	F8	..	17.8	+33 3	11.6	Ko	..	18.0	+ 4 11	11.3	A2	..	18.4	+30 56	11.8	A
30	..	17.5	+29 49	12.2	Ko	968	17.8	+32 40	11.2	A2	..	18.1	+32 29	11.2	Fo	..	18.4	+30 35	10.9	F8
31	..	17.5	+29 44	10.8	F2	..	17.8	+32 29	10.8	F5	972	18.1	+32 11	10.1	B8	..	18.4	+24 18	11.6	F8
32	..	17.5	+29 16	11.9	F8	..	17.8	+32 29	11.8	G5	952	18.1	+31 26	10.6	Ao	..	18.4	+21 51	11.2	Go
33	907	17.5	+23 27	10.1	F5	951	17.8	+31 49	11.6	Ko	953	18.1	+31 10	9.3	B9	..	18.4	+15 42	10.3	B9
34	939	17.5	+20 29	10.9	K5	..	17.8	+31 9	11.8	F5	874	18.1	+30 45	10.8	Ko	..	18.4	+10 55	11.2	F8
35	913	17.5	+19 15	11.0	F5	..	17.8	+30 55	10.7	A2	..	18.1	+30 34	11.2	A5	945	18.4	+ 8 4	10.8	F2
36	..	17.5	+17 39	10.8	F5	..	17.8	+30 37	11.7	Ao	..	18.1	+29 58	11.8	G5	880	18.4	+ 7 33	10.6	A3
37	..	17.5	+16 52	10.7	F5	..	17.8	+30 23	11.3	Fo	..	18.1	+22 3	11.6	A	915	18.4	+ 4 11	11.2	Ko
38	803	17.5	+15 58	9.8	Ao	..	17.8	+29 16	10.9	F8	915	18.1	+19 53	9.9	B9	..	18.5	+33 41	10.9	A
39	802	17.5	+15 34	10.5	Go	790	17.8	+28 53	10.8	Go	917	18.1	+19 16	9.8	Ko	1035	18.5	+33 14	9.4	Fo
40	891	17.5	+14 33	11.0	F8	..	17.8	+28 15	12.0	F5	..	18.1	+17 44	10.6	F2	..	18.5	+31 27	10.8	B9
41	..	17.5	+11 17	11.0	G5	..	17.8	+26 25	11.8	F8	918	18.1	+17 33	10.2	F2	..	18.5	+31 24	11.2	A
42	*768*	17.5	+11 0	10.7	F8	..	17.8	+24 16	12.1	G5	894	18.1	+14 9	11.1	K7	..	18.5	+28 25	11.0	A2
43	939	17.5	+ 8 53	10.9	Ko	840	17.8	+18 23	9.4	F5	..	18.1	+11 5	11.7	G5	892	18.5	+22 53	11.0	Go
44	..	17.5	+ 6 2	11.2	F2	881	17.8	+13 52	9.8	A3	769	18.1	+10 5	11.2	Mo	919	18.5	+17 18	9.7	Ko
45	..	17.6	+33 17	10.5	A2	814	17.8	+ 9 27	11.7	Mo	..	18.1	+ 6 24	11.4	Fo	..	18.5	+16 47	11.1	K5
46	..	17.6	+32 25	10.8	B8	878	17.8	+ 7 16	10.5	Go	..	18.1	+ 5 7	11.4	Mo	..	18.5	+16 19	10.3	Ao
47	..	17.6	+30 53	12.0	K2	916	17.8	+ 6 8	10.4	K5	913	18.1	+ 4 6	10.9	Ko	883	18.5	+13 59	10.6	Go
48	..	17.6	+29 53	11.1	Ao	..	17.8	+ 4 16	11.0	A5	..	18.1	+ 3 8	11.3	A3	..	18.5	+12 13	11.4	Go
49	..	17.6	+28 32	11.0	A3	911	17.8	+ 4 9	10.4	Fo	*875*	18.2	+31 0	10.6	Ao	790	18.5	+11 34	11.4	K7
50	825	17.6	+24 22	11.8	K7	..	17.9	+33 17	11.2	B9	877	18.2	+30 53	11.1	G5	789	18.5	+11 18	9.8	F5

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1936An

243300 $5^h\ 18^m.5$ to $5^h\ 19^m.7$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	946	18.5	+ 8 23	11.0	Go	..	18.8	+18 15	11.0	G	886	19.1	+13 14	10.7	F8	809	19.4	+15 16	9.3	Fo
2	881	18.5	+ 7 10	11.1	Ko	..	18.8	+12 19	11.2	A7	820	19.1	+ 9 37	10.8	F8	..	19.4	+15 8	11.7	K2
3		18.5	+ 7 10	11.0	A5	*792*	18.8	+12 0	11.0	Ko	883	19.1	+ 7 43	10.9	Fo	..	19.4	+14 40	11.0	A2
4	918	18.5	+ 6 10	10.5	Go	..	18.8	+ 9 57	11.1	F5	907	19.1	+ 5 44	10.9	F2	903	19.4	+14 6	10.0	Go
5	877	18.5	+ 3 5	10.0	F8	1037	18.9	+33 10	10.7	G5	918	19.1	+ 4 27	10.2	Fo	796	19.4	+11 9	10.5	Ao
6	..	18.6	+33 17	10.8	F8	..	18.9	+32 35	11.6	Ao	..	19.2	+33 54	9.9	B5	..	19.4	+ 9 20	11.5	G5
7	..	18.6	+31 24	11.8	A7	978	18.9	+32 20	9.8	Go	..	19.2	+33 1	10.7	A5	886	19.4	+ 7 12	10.8	F5
8	882	18.6	+29 59	10.4	Ao	..	18.9	+32 15	11.4	A5	981	19.2	+32 13	9.6	B9	..	19.4	+ 4 54	10.9	Fo
9	883	18.6	+29 52	10.0	A2	979	18.9	+32 11	10.5	K5	959	19.2	+31 56	10.8	Ko	920	19.4	+ 4 5	10.6	Mo
10	..	18.6	+29 45	11.4	A	*958*	18.9	+32 2	10.4	Ao	886	19.2	+30 52	9.0	A2	881	19.4	+ 3 37	11.0	Go
11	..	18.6	+29 41	11.0	A	..	18.9	+31 11	10.8	F5	890	19.2	+29 55	10.6	A7	*1039*	19.5	+34 1	10.0	Go
12	792	18.6	+28 54	10.0	Go	885	18.9	+29 55	10.8	Ao	828	19.2	+24 16	11.2	A5	..	19.5	+32 50	12.2	K2
13	766	18.6	+27 37	10.4	A3	..	18.9	+28 58	11.6	F5	827	19.2	+24 12	11.4	Ko	..	19.5	+31 44	10.6	B9
14	909	18.6	+23 31	10.0	Go	793	18.9	+28 11	12.0	K5	895	19.2	+22 35	11.2	G	..	19.5	+31 2	11.0	G5
15	921	18.6	+17 33	10.3	A2	..	18.9	+23 26	11.4	G5	832	19.2	+21 11	11.0	A3	..	19.5	+30 52	11.3	Go
16	..	18.6	+17 5	10.6	Fo	830	18.9	+21 40	10.9	F8	771	19.2	+16 55	10.4	Ko	..	19.5	+29 9	11.2	Ao
17	*789*	18.6	+13 0	10.8	A5	919	18.9	+19 5	11.2	M	..	19.2	+16 47	10.6	Ao	..	19.5	+28 50	11.6	F8
18	818	18.6	+ 9 37	11.2	Go	844	18.9	+18 29	10.4	Ao	..	19.2	+16 28	10.9	Ko	837	19.5	+21 51	10.2	B8
19	947	18.6	+ 8 6	10.8	F5	845	18.9	+18 22	10.6	Mo	..	19.2	+16 24	11.3	K	835	19.5	+21 41	11.4	K
20	1036	18.7	+33 37	10.2	B8	922	18.9	+17 59	9.7	Ao	..	19.2	+15 45	11.4	G5	836	19.5	+21 5	10.7	F2
21	977	18.7	+32 32	9.3	A3	769	18.9	+16 41	10.6	F8	900	19.2	+14 6	11.0	K5	846	19.5	+18 31	10.8	A2
22	975	18.7	+32 19	9.7	A2	770	18.9	+16 13	11.0	G5	794	19.2	+11 16	10.9	F8	924	19.5	+17 56	10.1	F2
23	..	18.7	+32 13	10.8	K2	899	18.9	+14 13	11.4	K2	908	19.2	+ 5 21	11.2	K7	..	19.5	+10 19	11.2	Ko
24	956	18.7	+31 37	11.0	K2	885	18.9	+13 43	10.8	A2	909	19.2	+ 5 18	10.6	K7	..	19.5	+ 5 44	10.3	Go
25	..	18.7	+30 47	11.9	G5	884	18.9	+13 7	10.9	F5	..	19.2	+ 3 26	10.0	Ao	..	19.5	+ 5 8	11.4	F2
26	879	18.7	+30 41	9.8	B9	..	18.9	+10 47	10.9	F5	..	19.3	+33 58	10.2	Ao	921	19.5	+ 4 35	10.8	K5
27	880	18.7	+30 35	10.8	Fo	772	18.9	+10 11	11.5	Ko	960	19.3	+31 58	9.5	Ko	..	19.5	+ 3 10	12.2	Ko
28	..	18.7	+29 54	11.1	Ao	..	19.0	+33 8	10.7	Ao	..	19.3	+31 23	11.8	A	..	19.6	+33 32	10.8	Ao
29	884	18.7	+29 11	10.2	Go	..	19.0	+28 47	11.7	G5	..	19.3	+31 12	11.6	A5	..	19.6	+32 3	10.8	A3
30	767	18.7	+27 46	11.2	Fo	..	19.0	+28 47	11.6	F2	..	19.3	+31 6	11.7	Go	..	19.6	+29 54	10.8	Go
31	*911*	18.7	+24 1	10.6	K5	..	19.0	+28 9	11.7	A	..	19.3	+30 40	10.4	A5	892	19.6	+29 19	10.8	A5
32	910	18.7	+23 52	11.5	F	..	19.0	+20 24	11.3	Ao	..	19.3	+30 28	11.9	F2	..	19.6	+29 13	12.1	Ko
33	827	18.7	+21 27	10.2	A2	920	19.0	+19 6	10.5	Go	891	19.3	+29 33	10.9	K5	770	19.6	+27 23	11.0	A5
34	897	18.7	+14 42	9.4	B9	..	19.0	+17 35	10.5	A3	..	19.3	+29 21	10.8	Go	949	19.6	+20 20	10.3	Go
35	898	18.7	+14 18	9.4	Go	808	19.0	+15 5	11.8	Ko	..	19.3	+29 8	11.3	F8	..	19.6	+18 10	11.2	A7
36	791	18.7	+11 27	10.9	Go	..	19.0	+12 24	11.2	F	..	19.3	+26 55	11.4	A5	798	19.6	+11 45	10.7	F5
37	771	18.7	+10 10	11.2	F5	949	19.0	+ 8 29	10.8	F8	*833*	19.3	+22 1	11.0	Go	..	19.6	+ 9 35	11.1	K2
38	..	18.7	+ 5 12	10.8	A5	*906*	19.0	+ 6 2	10.4	F5	901	19.3	+14 50	9.8	A7	824	19.6	+ 9 8	11.3	G5
39	916	18.7	+ 4 37	11.2	Go	..	19.0	+ 3 29	11.6	G5	902	19.3	+14 43	10.0	K2	887	19.6	+ 7 56	11.4	Ko
40	..	18.7	+ 3 41	11.2	Go	980	19.1	+32 10	9.8	B9	..	19.3	+ 7 45	11.2	A3	911	19.6	+ 5 14	11.7	Mo
41	..	18.7	+ 3 25	11.4	Go	884	19.1	+30 43	10.3	Go	885	19.3	+ 7 15	10.6	Ko	*882*	19.6	+ 4 1	11.0	K7
42	..	18.7	+ 3 21	11.4	Go	..	19.1	+30 18	11.6	F5	..	19.3	+ 5 32	11.5	K5	..	19.7	+33 11	10.8	A2
43	..	18.8	+33 7	11.1	G5	..	19.1	+30 3	11.6	G5	..	19.3	+ 5 0	11.0	A2	..	19.7	+32 13	11.1	F8
44	957	18.8	+31 10	10.9	K2	889	19.1	+29 33	10.0	A7	..	19.4	+33 8	11.5	F2	963	19.7	+31 57	9.1	B9
45	881	18.8	+30 53	10.8	K2	887	19.1	+29 16	10.0	A2	961	19.4	+31 23	11.7	Go	890	19.7	+30 8	10.2	Go
46	*912*	18.8	+24 1	11.0	G5	..	19.1	+28 49	11.6	F5	889	19.4	+30 13	9.9	Ao	794	19.7	+28 50	10.8	F2
47	..	18.8	+23 2	11.4	G5	768	19.1	+27 59	10.8	G5	..	19.4	+29 46	11.3	G5	829	19.7	+24 13	11.4	A2
48	893	18.8	+22 53	10.1	F5	831	19.1	+21 7	11.0	F5	..	19.4	+29 14	10.8	Ao	..	19.7	+21 51	11.3	F5
49	946	18.8	+20 47	9.1	B8	..	19.1	+19 37	11.3	A	..	19.4	+29 10	11.1	Ao	..	19.7	+16 6	11.8	K
50	947	18.8	+20 19	10.1	Go	..	19.1	+15 41	11.2	Ko	815	19.4	+26 45	10.4	A7	790	19.7	+12 25	10.9	K2

$+3°.0$ to $+34°.0$

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243500 — $5^h\ 19^m.7$ to $5^h\ 20^m.9$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	*883*	19.7	+ 4 1	10.5	Mo	847	20.0	+18 35	10.6	K	797	20.3	+28 54	12.2	Ko	*816*	20.6	+16 1	10.4	Ko
2	..	19.8	+32 38	11.6	A3	..	20.0	+10 24	11.3	Go	850	20.3	+18 57	11.4	K7	..	20.6	+15 43	11.6	A
3	..	19.8	+32 26	12.1	F2	913	20.0	+ 5 53	10.8	Ko	..	20.3	+18 52	10.2	A5	..	20.6	+ 9 20	10.8	G5
4	891	19.8	+30 9	9.8	F2	1042	20.1	+33 43	10.2	K2	..	20.3	+17 8	11.0	F8	956	20.6	+ 8 34	11.0	Fo
5	..	19.8	+30 0	12.0	Fo	..	20.1	+33 42	11.1	G5	890	20.3	+13 18	10.4	Go	957	20.6	+ 8 9	10.5	A2
6	..	19.8	+29 5	12.0	G	..	20.1	+32 56	11.8	K7	791	20.3	+12 44	11.0	Ko	926	20.6	+ 4 26	11.1	K7
7	..	19.8	+28 19	11.0	A	983	20.1	+32 20	10.8	F5	..	20.4	+33 57	10.9	Ao	..	20.7	+33 59	10.5	B8
8	..	19.8	+27 51	11.2	G5	..	20.1	+31 33	11.8	G	967	20.4	+31 21	10.0	F5	..	20.7	+32 48	11.1	A3
9	913	19.8	+23 41	10.8	Go	..	20.1	+31 0	12.3	Ko	966	20.4	+31 5	9.6	A2	..	20.7	+32 39	11.2	K5
10	950	19.8	+20 27	11.2	G5	..	20.1	+29 40	11.8	A2	817	20.4	+26 55	10.1	Go	..	20.7	+32 26	11.2	A2
11	925	19.8	+17 28	10.8	F8	..	20.1	+28 59	10.9	A5	901	20.4	+22 58	10.3	F5	969	20.7	+31 51	11.0	A3
12	772	19.8	+16 44	10.8	B9	*914*	20.1	+24 1	9.9	G5	851	20.4	+18 49	9.8	F5	968	20.7	+31 41	9.6	Fo
13	773	19.8	+16 7	11.3	F5	840	20.1	+21 9	10.6	F2	..	20.4	+18 19	10.9	A5	..	20.7	+31 10	11.8	A5
14	..	19.8	+14 59	11.6	F8	848	20.1	+18 29	10.2	Go	776	20.4	+16 37	9.6	Go	..	20.7	+31 1	11.5	A2
15	887	19.8	+13 47	11.3	Go	..	20.1	+16 30	11.0	Ao	891	20.4	+13 39	9.9	K2	..	20.7	+30 40	10.8	A3
16	888	19.8	+13 33	11.0	G5	811	20.1	+15 43	10.8	A5	..	20.4	+12 30	11.9	G	896	20.7	+29 18	11.2	F5
17	..	19.8	+13 15	11.2	A2	906	20.1	+14 52	9.8	A3	801	20.4	+11 39	9.8	A7	818	20.7	+26 54	11.6	K2
18	889	19.8	+ 7 47	11.1	G5	827	20.1	+ 9 46	11.7	F8	..	20.4	+ 7 32	11.3	G5	831	20.7	+25 41	9.8	B9
19	920	19.8	+ 6 56	10.6	F2	828	20.1	+ 9 29	10.8	F5	925	20.4	+ 4 51	11.1	K2	832	20.7	+24 51	10.6	Ao
20	884	19.8	+ 3 36	10.8	A2	..	20.1	+ 4 46	11.2	F5	889	20.4	+ 3 44	10.8	Go	903	20.7	+22 28	11.5	Ko
21	885	19.8	+ 3 7	11.4	Go	887	20.1	+ 3 26	11.5	F5	..	20.4	+ 3 33	11.0	F8	842	20.7	+21 37	11.0	Ao
22	..	19.9	+33 58	10.7	F5	*1043*	20.2	+34 1	11.1	K7	..	20.5	+33 8	11.8	A5	..	20.7	+19 11	11.1	Fo
23	..	19.9	+33 13	11.1	Ao	1044	20.2	+33 36	10.0	Go	986	20.5	+32 53	10.2	A2	926	20.7	+17 40	9.7	Fo
24	..	19.9	+32 45	11.8	A	..	20.2	+31 57	11.8	A	..	20.5	+31 36	11.2	F8	908	20.7	+14 19	9.8	F2
25	..	19.9	+31 48	11.1	A5	..	20.2	+31 53	11.0	Ao	896	20.5	+30 32	9.8	F8	802	20.7	+11 29	9.8	G5
26	..	19.9	+31 8	11.0	A2	965	20.2	+31 5	10.6	F8	..	20.5	+30 28	10.0	F2	..	20.7	+ 7 38	12.0	K7
27	829	19.9	+25 10	10.9	Ao	..	20.2	+30 9	12.0	A	..	20.5	+30 6	11.8	G5	922	20.7	+ 6 53	10.7	F2
28	839	19.9	+21 42	10.2	Ko	..	20.2	+30 1	11.9	A	798	20.5	+28 30	10.0	K5	..	20.7	+ 3 17	11.3	F8
29	774	19.9	+16 33	10.3	Mo	*830*	20.2	+25 0	11.2	Ao	..	20.5	+21 29	11.2	Go	892	20.7	+ 3 3	11.0	Go
30	810	19.9	+15 30	9.2	Go	924	20.2	+19 21	9.8	Ao	..	20.5	+20 39	11.7	F8	*1048*	20.8	+34 1	10.7	F5
31	904	19.9	+14 25	11.4	K5	..	20.2	+16 41	10.6	Ao	925	20.5	+19 53	10.1	Go	970	20.8	+31 22	10.8	A7
32	905	19.9	+14 19	11.2	F	812	20.2	+15 38	10.4	Ao	*907*	20.5	+15 2	11.8	K7	971	20.8	+31 5	10.8	F2
33	..	19.9	+14 0	11.3	F8	889	20.2	+13 39	9.8	Ao	..	20.5	+14 17	11.2	G5	..	20.8	+30 50	11.3	F5
34	..	19.9	+ 9 40	11.4	G5	..	20.2	+13 4	11.0	F8	776	20.5	+10 13	11.2	Ko	800	20.8	+28 59	11.0	Ao
35	912	19.9	+ 5 13	10.3	F2	..	20.2	+12 41	11.2	F2	892	20.5	+ 7 48	11.2	Ao	904	20.8	+22 55	10.2	F5
36	886	19.9	+ 3 46	10.8	Fo	*800*	20.2	+12 1	11.2	A5	..	20.5	+ 6 3	11.1	Go	927	20.8	+19 51	10.2	A2
37	..	20.0	+33 39	10.8	Ao	954	20.2	+ 8 16	11.1	F2	890	20.5	+ 3 38	9.4	A3	909	20.8	+14 51	11.2	G5
38	..	20.0	+32 35	10.8	A5	921	20.2	+ 6 30	9.9	Ko	1046	20.6	+33 41	9.8	B8	833	20.8	+ 9 21	10.4	Go
39	964	20.0	+31 50	9.6	A2	915	20.2	+ 5 53	11.2	Go	1047	20.6	+33 37	10.1	Ao	..	20.8	+ 4 35	11.1	A7
40	..	20.0	+31 36	11.0	Ko	..	20.2	+ 5 39	11.9	F8	..	20.6	+32 52	11.8	K7	894	20.8	+ 3 45	11.0	Ko
41	..	20.0	+31 2	12.0	Ao	..	20.2	+ 5 31	11.8	F5	..	20.6	+32 40	11.1	B8	893	20.8	+ 3 22	10.3	Ao
42	893	20.0	+30 32	10.0	Fo	923	20.2	+ 4 24	11.2	K5	987	20.6	+32 15	10.9	Go	900	20.9	+30 45	9.9	Go
43	..	20.0	+30 16	11.5	Ao	924	20.2	+ 4 6	11.5	K5	..	20.6	+30 42	10.8	A3	..	20.9	+30 43	12.1	A
44	..	20.0	+30 9	11.9	Fo	888	20.2	+ 3 45	10.8	F5	..	20.6	+29 57	11.8	Ao	820	20.9	+26 43	11.4	Ko
45	..	20.0	+29 17	11.8	G5	..	20.2	+ 3 9	12.2	G5	895	20.6	+29 35	11.0	F8	819	20.9	+26 30	9.7	B5
46	..	20.0	+28 49	11.7	K2	..	20.3	+34 5	11.0	B9	..	20.6	+29 15	11.0	Ao	906	20.9	+22 59	11.2	G
47	796	20.0	+28 15	9.9	Ao	..	20.3	+33 0	11.3	Ao	830	20.6	+25 12	9.9	B8	907	20.9	+22 53	11.0	Mo
48	..	20.0	+27 42	11.4	A3	984	20.3	+32 54	9.6	F5	841	20.6	+21 16	11.1	A7	908	20.9	+22 18	10.2	A3
49	900	20.0	+22 45	10.3	Go	..	20.3	+29 35	10.6	A2	926	20.6	+19 42	9.8	Fo	844	20.9	+21 56	10.6	G5
50	..	20.0	+19 11	11.0	Ao	894	20.3	+29 7	10.7	Ao	777	20.6	+16 16	11.0	K5	843	20.9	+21 7	10.7	Ko

$+3°.0$ to $+34°.0$

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1936An

243700 $5^h\ 20^m.9$ to $5^h\ 22^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	779	20.9	+16 24	11.0	K7	..	21.2	+17 22	11.6	K2	..	21.5	+ 5 34	10.9	A5	825	21.8	+15 30	11.4	G5
2	..	20.9	+15 16	11.4	Go	..	21.2	+17 16	11.3	F8	921	21.5	+ 5 14	10.9	K7	897	21.8	+13 32	11.2	G5
3	910	20.9	+14 12	10.9	G5	..	21.2	+15 9	11.0	K7	900	21.5	+ 3 58	8.6	Ao	898	21.8	+13 19	10.1	A3
4	892	20.9	+13 49	11.6	G	..	21.2	+13 17	11.8	G5	1055	21.6	+33 42	8.8	B5	..	21.8	+12 37	11.4	F8
5	804	20.9	+11 53	11.6	K7	..	21.2	+13 7	11.1	Fo	..	21.6	+32 7	11.0	Go	808	21.8	+11 31	11.2	K2
6	803	20.9	+11 37	10.2	A5	..	21.2	+ 3 41	11.8	Go	976	21.6	+31 48	9.4	A2	837	21.8	+ 9 50	10.8	G5
7	..	20.9	+11 11	11.6	Go	..	21.3	+33 22	10.0	B5	975	21.6	+31 46	10.3	K2	929	21.8	+ 6 3	11.0	F8
8	777	20.9	+10 39	11.6	F8	..	21.3	+33 20	10.2	Ao	803	21.6	+28 31	10.6	A5	922	21.8	+ 5 20	11.3	Ko
9	917	20.9	+ 5 15	11.6	K7	..	21.3	+32 47	11.6	Go	821	21.6	+26 3	11.5	K7	..	21.9	+33 36	10.2	Ao
10	895	20.9	+ 3 46	10.5	Go	..	21.3	+31 38	10.4	A2	..	21.6	+21 14	11.1	A5	..	21.9	+32 43	10.6	A7
11	..	21.0	+32 0	11.2	Ao	832	21.3	+25 52	11.6	K2	*954*	21.6	+21 2	11.4	Go	907	21.9	+30 59	9.8	Go
12	..	21.0	+31 52	12.0	G5	833	21.3	+25 6	12.4	K7	953	21.6	+20 37	10.2	F8	848	21.9	+21 22	9.7	B8
13	833	21.0	+24 8	9.6	F5	..	21.3	+21 56	11.9	A	955	21.6	+20 30	11.4	Ao	957	21.9	+20 46	10.6	Ko
14	..	21.0	+18 19	11.0	K	*927*	21.3	+18 2	10.0	A2	854	21.6	+18 47	10.4	Ko	..	21.9	+20 1	11.7	A
15	..	21.0	+18 0	11.3	G5	..	21.3	+17 26	10.6	A	..	21.6	+18 23	11.0	K7	930	21.9	+17 39	10.2	Ao
16	817	21.0	+15 7	10.2	Go	780	21.3	+16 48	11.8	G5	..	21.6	+16 31	11.6	G5	..	21.9	+16 49	11.2	F5
17	805	21.0	+11 22	9.6	A2	818	21.3	+15 25	11.4	G5	823	21.6	+15 21	10.0	B9	899	21.9	+13 45	10.7	A7
18	778	21.0	+10 59	11.2	A5	912	21.3	+14 22	10.8	F5	895	21.6	+13 4	10.1	B8	923	21.9	+ 5 21	11.1	G5
19	..	21.0	+ 7 18	11.3	G5	893	21.3	+ 7 54	10.8	Ko	..	21.6	+12 42	11.4	F5	929	21.9	+ 4 46	11.0	K7
20	919	21.0	+ 5 41	11.6	K7	..	21.4	+33 32	9.8	B3	..	21.6	+10 20	11.8	K5	904	21.9	+ 3 37	9.6	A2
21	896	21.0	+ 3 3	10.3	Fo	1054	21.4	+33 12	11.3	Go	..	21.6	+ 9 18	10.9	Fo	..	22.0	+34 0	10.0	A2
22	..	21.1	+32 39	9.3	B8	..	21.4	+32 8	11.0	Go	967	21.6	+ 8 21	10.8	K5	994	22.0	+32 58	11.3	K5
23	989	21.1	+32 26	9.7	B8	992	21.4	+32 6	11.0	F8	..	21.6	+ 6 55	11.2	Ko	977	22.0	+31 25	9.6	A7
24	..	21.1	+31 46	10.3	F8	..	21.4	+31 2	12.1	F8	..	21.6	+ 6 46	11.6	K5	..	22.0	+30 18	11.9	A
25	..	21.1	+30 21	12.0	A	904	21.4	+30 57	12.4	Ko	..	21.7	+33 45	10.2	A2	..	22.0	+30 13	11.6	A3
26	898	21.1	+29 8	10.4	A2	..	21.4	+29 57	12.2	G	..	21.7	+33 25	10.0	B8	903	22.0	+29 57	10.8	K5
27	801	21.1	+28 23	11.3	K5	802	21.4	+28 44	10.6	K2	1056	21.7	+33 15	11.0	B	850	22.0	+21 21	10.1	Ao
28	834	21.1	+24 29	11.5	F5	772	21.4	+27 49	10.3	Go	905	21.7	+30 16	10.6	K5	..	22.0	+19 0	11.0	Go
29	952	21.1	+20 29	11.3	A5	834	21.4	+25 24	10.9	G5	900	21.7	+29 39	10.2	B8	..	22.0	+13 20	11.4	F8
30	..	21.1	+18 49	11.2	A	845	21.4	+21 25	10.2	Bo	901	21.7	+29 31	10.2	B5	795	22.0	+12 59	11.0	Go
31	852	21.1	+18 21	10.7	Ao	928	21.4	+19 55	9.5	Fo	773	21.7	+27 26	10.3	A5	..	22.0	+10 56	11.7	A
32	..	21.1	+17 7	11.8	K2	..	21.4	+19 19	11.4	K7	774	21.7	+27 24	10.7	A7	780	22.0	+10 34	11.2	A2
33	..	21.1	+16 13	11.6	F5	781	21.4	+16 20	9.9	F5	..	21.7	+26 42	11.5	A	..	22.0	+ 6 53	11.6	K7
34	..	21.1	+15 25	11.2	A5	819	21.4	+15 43	11.2	Go	822	21.7	+26 5	11.4	A7	..	22.0	+ 6 49	11.1	G
35	911	21.1	+14 36	10.9	F5	913	21.4	+14 7	10.2	F8	837	21.7	+24 40	11.8	Ko	..	22.0	+ 4 41	11.2	F8
36	793	21.1	+12 46	9.8	G5	894	21.4	+13 56	10.0	F8	910	21.7	+22 21	11.0	A7	..	22.0	+ 4 19	11.2	F5
37	792	21.1	+12 5	11.2	Ko	..	21.4	+13 15	11.7	F5	930	21.7	+19 14	9.8	Fo	1058	22.1	+33 52	9.2	A3
38	806	21.1	+11 11	11.0	F8	..	21.4	+ 8 45	11.2	F5	*966*	21.7	+ 9 0	10.6	A2	..	22.1	+32 52	11.6	B3
39	..	21.1	+ 5 18	10.8	A7	894	21.4	+ 7 29	10.8	F8	..	21.7	+ 6 52	11.3	Fo	979	22.1	+31 49	10.6	F5
40	..	21.1	+ 3 29	11.6	A	925	21.4	+ 6 18	10.4	F2	*1057*	21.8	+34 3	10.0	A2	..	22.1	+31 42	10.6	Ao
41	1048a	21.2	+33 42	9.0	B8	899	21.5	+29 43	11.0	Ao	..	21.8	+32 24	10.6	Ao	..	22.1	+31 39	9.9	B3
42	991	21.2	+32 55	10.6	F2	835	21.5	+24 39	10.0	Go	..	21.8	+30 53	11.8	F8	980	22.1	+31 34	9.8	F8
43	990	21.2	+32 47	9.1	F5	836	21.5	+24 15	10.0	F8	..	21.8	+30 21	11.7	Ko	..	22.1	+31 20	11.6	Go
44	..	21.2	+32 33	11.9	F8	846	21.5	+21 58	10.8	Ao	..	21.8	+30 3	10.9	G5	804	22.1	+28 51	10.4	F8
45	..	21.2	+30 53	11.1	A7	929	21.5	+19 58	11.4	K5	902	21.8	+29 58	9.6	B5	..	22.1	+28 43	11.0	A
46	903	21.2	+30 38	11.6	K2	..	21.5	+19 8	10.6	F5	..	21.8	+28 44	11.0	A2	..	22.1	+16 23	11.8	Go
47	..	21.2	+30 20	11.8	F8	821	21.5	+15 38	11.8	K5	823	21.8	+26 36	11.8	K7	..	22.1	+12 32	11.3	Go
48	..	21.2	+28 4	11.3	Ao	..	21.5	+13 6	11.4	A3	..	21.8	+25 56	11.4	A	781	22.1	+10 38	9.7	F5
49	..	21.2	+25 43	11.7	A5	..	21.5	+10 9	11.2	A3	835	21.8	+25 18	11.4	G5	838	22.1	+ 9 8	10.8	A7
50	*909*	21.2	+23 1	11.2	Mo	*964*	21.5	+ 9 2	10.8	K2	911	21.8	+22 18	10.8	A2	..	22.1	+ 8 46	12.0	K

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

243900 — $5^h\ 22^m.1$ to $5^h\ 23^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	924	22.1	+ 5 9	11.3	A5	..	22.5	+31 39	10.8	Ao	908	22.7	+ 3 58	10.5	Mo	919	23.0	+22 4	10.7	A3
2	1059	22.2	+33 32	10.0	G5	981	22.5	+31 24	10.0	B9	..	22.8	+33 19	11.0	A	934	23.0	+19 59	9.7	A2
3	..	22.2	+30 51	11.7	Go	..	22.5	+30 39	12.1	A	..	22.8	+32 25	11.0	A	935	23.0	+19 36	9.8	F8
4	..	22.2	+28 49	11.0	F2	805	22.5	+28 59	10.0	A3	..	22.8	+31 50	12.2	A	..	23.0	+17 19	10.8	F2
5	..	22.2	+22 15	11.4	A2	839	22.5	+24 34	10.6	Go	..	22.8	+31 47	12.0	F2	..	23.0	+16 15	10.4	F8
6	851	22.2	+21 51	10.0	A2	919	22.5	+23 12	10.9	F8	856	22.8	+21 48	10.8	A7	817	23.0	+11 38	10.6	F5
7	*931*	22.2	+20 2	11.4	F5	..	22.5	+22 2	11.0	Go	960	22.8	+20 49	11.4	Go	903	23.0	+ 7 15	10.8	A2
8	916	22.2	+14 33	11.6	Ko	932	22.5	+19 27	10.1	A2	858	22.8	+18 53	10.9	Go	913	23.0	+ 3 31	10.8	Ko
9	..	22.2	+14 24	11.5	G5	*932*	22.5	+18 0	9.6	Go	934	22.8	+17 16	10.2	Ao	..	23.0	+ 3 23	11.6	G
10	796	22.2	+12 22	10.8	A7	900	22.5	+13 32	9.8	B9	933	22.8	+17 7	10.7	F5	..	23.1	+34 3	11.2	Ao
11	811	22.2	+11 9	11.6	A5	..	22.5	+13 27	10.8	B8	..	22.8	+16 21	11.1	G	1064	23.1	+33 23	9.4	Go
12	783	22.2	+10 42	11.0	F8	*798*	22.5	+13 1	11.0	A2	902	22.8	+13 47	10.7	A3	..	23.1	+33 1	11.9	F8
13	782	22.2	+10 9	10.0	F2	*814*	22.5	+12 2	10.3	F5	842	22.8	+ 9 3	11.0	K5	984	23.1	+31 37	10.0	A3
14	*968*	22.2	+ 9 1	10.8	B9	841	22.5	+ 9 5	11.3	Ko	970	22.8	+ 8 23	11.7	K	910	23.1	+30 41	10.6	Go
15	..	22.2	+ 6 8	11.4	K5	..	22.5	+ 8 51	11.2	F8	933	22.8	+ 6 15	10.2	K2	907	23.1	+29 32	11.0	Go
16	..	22.2	+ 5 4	11.0	K2	..	22.5	+ 4 30	10.8	Go	928	22.8	+ 5 55	10.4	Ao	808	23.1	+28 50	9.5	B5
17	934	22.2	+ 4 3	11.2	K2	..	22.6	+33 30	11.2	A3	..	22.8	+ 5 15	10.6	F8	809	23.1	+28 9	11.6	K7
18	..	22.3	+33 24	11.0	Go	..	22.6	+33 17	11.1	Go	909	22.8	+ 3 10	10.8	Ko	921	23.1	+23 37	10.6	F2
19	..	22.3	+33 6	11.1	F8	999	22.6	+32 56	9.9	B9	..	22.9	+32 47	12.0	K7	..	23.1	+22 40	11.1	A
20	..	22.3	+32 8	11.0	Ao	1000	22.6	+32 29	10.1	Ao	1004	22.9	+32 26	10.6	Fo	962	23.1	+20 48	10.4	Ao
21	*904*	22.3	+30 3	10.2	Go	908	22.6	+30 59	9.8	Fo	..	22.9	+31 38	12.0	A5	..	23.1	+17 50	10.8	F
22	853	22.3	+21 49	9.9	A3	..	22.6	+30 8	11.7	B9	982	22.9	+31 21	9.6	Go	789	23.1	+10 30	11.0	Go
23	959	22.3	+20 53	10.2	B8	..	22.6	+29 13	10.9	B9	909	22.9	+30 28	9.8	B9	788	23.1	+10 6	10.1	G5
24	958	22.3	+20 34	10.8	A7	806	22.6	+28 25	11.0	G5	..	22.9	+30 9	11.8	A5	..	23.1	+ 9 54	11.6	Ko
25	857	22.3	+18 34	9.4	F5	776	22.6	+27 40	11.4	K7	906	22.9	+29 23	10.9	Ao	..	23.1	+ 4 33	10.9	F5
26	..	22.3	+15 54	10.6	G5	854	22.6	+21 27	10.0	Ko	..	22.9	+27 13	12.2	K7	914	23.1	+ 3 57	10.8	A7
27	827	22.3	+15 31	11.6	K2	..	22.6	+18 5	11.0	F8	918	22.9	+22 38	10.2	A3	913a	23.1	+ 3 32	10.8	K2
28	920	22.3	+14 59	9.2	G5	..	22.6	+17 53	11.0	F8	..	22.9	+21 34	11.0	A3	..	23.2	+32 36	11.1	Go
29	919	22.3	+14 12	10.1	F5	..	22.6	+16 50	11.7	F8	933	22.9	+19 44	11.7	K	1006	23.2	+32 34	10.9	K5
30	918	22.3	+14 7	10.4	Ao	829	22.6	+15 8	9.5	A2	860	22.9	+18 31	10.6	F8	911	23.2	+30 41	10.1	Ko
31	813	22.3	+11 32	10.8	Mo	786	22.6	+10 23	10.8	K5	859	22.9	+18 13	10.4	Ko	..	23.2	+28 58	11.0	A7
32	784	22.3	+10 48	10.9	A2	785	22.6	+10 14	11.7	K5	..	22.9	+16 44	11.6	F5	779	23.2	+27 5	11.5	K7
33	839	22.3	+ 9 39	11.0	F2	932	22.6	+ 6 57	11.8	K7	..	22.9	+16 39	11.7	K2	963	23.2	+20 7	11.4	K5
34	900	22.3	+ 7 56	11.2	K5	..	22.6	+ 5 8	11.5	Fo	..	22.9	+16 6	11.1	A5	861	23.2	+18 43	9.7	F5
35	899	22.3	+ 7 30	11.2	K5	1061	22.7	+33 8	10.6	Go	800	22.9	+12 56	10.9	F5	..	23.2	+16 55	11.4	G
36	930	22.3	+ 6 12	10.6	F5	*1002*	22.7	+33 0	10.6	B8	..	22.9	+12 24	11.0	F8	830	23.2	+15 19	10.0	Go
37	..	22.4	+33 25	10.6	B8	1001	22.7	+32 47	10.3	B5	816	22.9	+11 58	9.8	A2	..	23.2	+15 11	11.6	G5
38	1060	22.4	+33 20	10.7	Go	..	22.7	+32 35	11.8	Fo	787	22.9	+10 15	10.0	F5	905	23.2	+13 47	11.5	A
39	997	22.4	+32 14	9.3	A2	..	22.7	+31 59	11.8	F	..	22.9	+ 4 38	11.0	Go	844	23.2	+ 9 42	10.4	A5
40	905	22.4	+29 57	10.6	B5	..	22.7	+31 32	11.6	Ko	937	22.9	+ 4 11	10.7	A2	845	23.2	+ 9 40	10.2	Ao
41	775	22.4	+27 59	11.8	K5	777	22.7	+27 46	10.7	A2	911	22.9	+ 3 51	10.5	Fo	843	23.2	+ 9 11	11.4	A2
42	..	22.4	+19 59	11.3	Ao	824	22.7	+26 11	11.4	A3	912	22.9	+ 3 33	9.7	A3	..	23.2	+ 6 18	10.7	F8
43	..	22.4	+15 39	11.2	A3	838	22.7	+25 51	10.5	F8	..	23.0	+33 40	10.0	A2	929	23.2	+ 5 50	11.7	Mo
44	828	22.4	+15 6	9.8	Ao	916	22.7	+22 41	10.6	Go	1005	23.0	+32 59	9.8	A3	..	23.2	+ 4 28	11.2	F8
45	..	22.4	+ 9 48	11.3	F5	..	22.7	+21 45	11.1	F5	983	23.0	+31 53	10.0	A7	915	23.2	+ 3 27	9.8	A2
46	901	22.4	+ 7 16	11.1	K5	855	22.7	+21 37	11.2	Ko	..	23.0	+31 43	11.4	F	1066	23.3	+33 58	10.3	Ko
47	931	22.4	+ 6 24	10.2	F8	..	22.7	+17 21	11.0	F2	..	23.0	+29 59	11.0	F5	..	23.3	+33 21	10.3	Go
48	*936*	22.4	+ 5 1	10.8	Fo	784	22.7	+16 10	10.0	Fo	807	23.0	+28 12	10.6	Ko	986	23.3	+31 34	11.2	Ao
49	907	22.4	+ 3 54	10.2	A3	921	22.7	+14 50	11.0	Ao	825	23.0	+26 43	10.6	Go	985	23.3	+31 33	11.0	G
50	..	22.5	+33 45	11.0	Go	901	22.7	+13 50	11.3	G	840	23.0	+24 9	10.0	B8	810	23.3	+28 28	10.4	A3

$+3°.0$ to $+34°.0$

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D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	964	23.3	+20 22	11.4	A7	942	23.6	+ 4 7	11.3	Ko	..	24.0	+30 21	10.6	F5	915	24.3	+29 43	11.2	Ko
2	935	23.3	+17 50	9.8	A3	1068	23.7	+33 28	9.2	Ao	916	24.0	+30 6	10.2	A2	842	24.3	+25 58	9.8	Fo
3	787	23.3	+16 27	10.2	Ao	1069	23.7	+33 19	11.0	K7	912	24.0	+29 25	10.4	G5	867	24.3	+21 31	10.4	F
4	906	23.3	+13 50	10.8	F5	1010	23.7	+32 58	11.3	K5	780	24.0	+27 39	11.4	Mo	865	24.3	+18 39	10.4	Ao
5	..	23.3	+10 21	11.6	F8	..	23.7	+32 10	11.0	Ao	..	24.0	+22 5	12.0	F	..	24.3	+17 21	11.7	G
6	..	23.3	+10 0	11.0	K2	914	23.7	+30 31	10.0	Ao	864	24.0	+21 59	11.0	A2	..	24.3	+14 25	11.6	F8
7	904	23.3	+ 7 47	10.4	F5	..	23.7	+30 25	11.0	A7	967	24.0	+20 13	10.5	Ao	911	24.3	+13 8	11.8	G5
8	934	23.3	+ 6 37	11.6	F5	910	23.7	+29 45	10.3	K2	938	24.0	+19 58	9.5	G5	804	24.3	+12 44	11.0	F5
9	..	23.3	+ 5 43	11.2	G5	..	23.7	+21 16	11.4	F	790	24.0	+16 42	10.4	A7	..	24.3	+ 7 50	11.8	A7
10	930	23.3	+ 5 22	10.8	G5	..	23.7	+17 36	11.2	A	833	24.0	+15 36	11.1	F8	943	24.3	+ 4 51	11.2	K2
11	1067	23.4	+33 51	10.0	A5	..	23.7	+17 10	11.6	G	832	24.0	+15 12	11.0	F8	927	24.3	+ 3 46	10.5	K5
12	..	23.4	+32 42	10.6	Ao	923	23.7	+14 44	9.6	F8	924	24.0	+14 27	11.4	Go	..	24.4	+32 43	11.8	F
13	1007	23.4	+32 28	10.6	F8	793	23.7	+10 16	10.2	F5	975	24.0	+ 8 35	10.4	F8	..	24.4	+31 30	11.8	Go
14	..	23.4	+32 8	11.6	A5	..	23.7	+ 6 16	11.6	F5	..	24.0	+ 8 30	10.8	F2	828	24.4	+26 42	11.4	K5
15	..	23.4	+31 0	11.9	Go	919	23.7	+ 3 42	10.5	K5	906	24.0	+ 7 12	10.8	K7	925	24.4	+23 55	10.0	G5
16	..	23.4	+30 58	12.0	K5	..	23.7	+ 3 22	11.8	Ao	907	24.0	+ 7 6	11.2	Go	..	24.4	+22 17	11.4	A5
17	..	23.4	+30 1	11.6	G	1070	23.8	+33 50	9.7	Fo	935	24.0	+ 6 22	11.8	Ko	868	24.4	+21 35	10.4	G5
18	..	23.4	+28 51	10.8	A2	..	23.8	+33 22	10.8	A7	..	24.0	+ 4 27	11.9	K7	..	24.4	+18 41	10.8	A5
19	859	23.4	+21 29	11.0	Go	..	23.8	+32 58	11.2	A3	923	24.0	+ 3 30	10.9	Go	866	24.4	+18 40	10.2	K2
20	..	23.4	+18 7	10.9	A	1011	23.8	+32 4	10.0	Fo	1013	24.1	+32 59	10.7	G5	926	24.4	+14 4	11.3	K2
21	936	23.4	+17 38	11.4	K7	..	23.8	+30 57	11.5	Ko	..	24.1	+32 41	11.0	Fo	*939*	24.4	+ 7 0	10.8	F8
22	..	23.4	+17 26	11.1	F8	..	23.8	+30 26	11.6	G	..	24.1	+31 23	11.0	A3	929	24.4	+ 3 39	10.5	Ko
23	..	23.4	+16 40	11.3	A2	..	23.8	+28 51	12.0	K2	..	24.1	+31 15	11.7	A3	..	24.5	+33 15	11.0	A5
24	922	23.4	+14 40	10.3	F8	966	23.8	+20 39	11.2	F8	913	24.1	+29 54	11.4	Ko	..	24.5	+33 14	11.0	F5
25	931	23.4	+ 5 19	10.0	F2	..	23.8	+19 58	11.0	Fo	..	24.1	+29 51	11.9	Fo	994	24.5	+31 57	11.9	Go
26	940	23.4	+ 4 57	10.8	M2	789	23.8	+16 21	10.2	Go	..	24.1	+20 50	11.3	Ao	..	24.5	+31 6	11.8	A7
27	917	23.4	+ 3 34	10.2	Fo	..	23.8	+13 12	11.2	F8	..	24.1	+19 46	12.0	A	812	24.5	+28 17	10.5	Go
28	..	23.5	+33 19	10.2	B5	794	23.8	+10 25	11.2	F2	937	24.1	+17 45	10.4	A2	843	24.5	+24 45	9.9	A2
29	1008	23.5	+32 15	10.0	A7	795	23.8	+10 4	9.6	Ko	..	24.1	+10 43	11.5	A7	923	24.5	+22 51	10.8	F2
30	987	23.5	+31 28	11.0	F5	*974*	23.8	+ 9 0	11.0	F2	848	24.1	+ 9 27	10.8	K5	..	24.5	+22 30	11.5	K2
31	*827*	23.5	+27 2	10.1	A5	973	23.8	+ 8 51	11.0	G5	849	24.1	+ 9 20	11.2	K7	..	24.5	+14 15	12.0	K
32	861	23.5	+21 47	10.4	Fo	922	23.8	+ 3 49	10.2	A3	937	24.1	+ 6 20	11.6	A3	824	24.5	+11 16	10.4	F5
33	..	23.5	+21 29	11.3	F8	..	23.8	+ 3 24	11.5	G5	936	24.1	+ 6 14	10.4	F8	..	24.6	+34 0	10.9	Ao
34	..	23.5	+19 15	11.2	A	921	23.8	+ 3 17	10.6	A7	..	24.1	+ 4 32	11.4	G5	916	24.6	+29 37	11.4	K5
35	..	23.5	+18 40	11.4	F	..	23.9	+33 40	10.0	A2	..	24.2	+32 40	11.6	F8	..	24.6	+29 10	11.2	Ao
36	..	23.5	+16 52	11.2	F8	..	23.9	+32 33	11.2	Ko	..	24.2	+32 18	12.0	G5	844	24.6	+24 15	11.3	F8
37	831	23.5	+15 15	11.0	G5	*990*	23.9	+32 1	9.5	A5	..	24.2	+31 17	11.9	Fo	924	24.6	+22 17	10.0	Ko
38	819	23.5	+11 47	10.8	Ko	..	23.9	+31 45	10.8	F8	841	24.2	+25 7	10.2	G5	939	24.6	+19 45	10.5	G5
39	818	23.5	+11 20	11.0	A2	..	23.9	+31 35	10.3	A7	..	24.2	+20 52	11.6	A	..	24.6	+18 37	10.7	A5
40	941	23.5	+ 4 43	10.0	G5	..	23.9	+31 9	11.0	Ao	..	24.2	+19 50	11.0	A7	836	24.6	+15 59	11.2	A
41	..	23.5	+ 4 29	11.0	A2	915	23.9	+30 51	12.0	Mo	791	24.2	+16 56	11.2	Go	..	24.6	+15 57	11.0	G5
42	..	23.5	+ 4 6	11.2	G5	..	23.9	+23 11	11.8	A	834	24.2	+15 46	10.8	A3	927	24.6	+14 49	11.4	Go
43	..	23.6	+33 16	11.8	K2	937	23.9	+19 42	9.9	F2	925	24.2	+14 54	10.0	A2	912	24.6	+13 57	10.8	Ko
44	1009	23.6	+32 39	10.0	A2	..	23.9	+17 55	11.0	Ko	822	24.2	+11 34	11.0	A2	825	24.6	+11 37	10.0	F8
45	..	23.6	+31 25	11.6	G5	..	23.9	+15 38	11.4	A	926	24.2	+ 3 59	10.3	G5	..	24.6	+11 0	11.2	G5
46	..	23.6	+30 36	11.0	F8	..	23.9	+ 8 39	10.9	F5	..	24.2	+ 3 14	11.0	A3	937	24.6	+ 5 47	11.0	A7
47	811	23.6	+28 14	10.6	F5	905	23.9	+ 7 24	10.6	A3	..	24.3	+33 28	11.0	A3	935	24.6	+ 5 43	10.6	Go
48	920	23.6	+22 11	11.9	Ko	1012	24.0	+32 35	10.2	Ko	..	24.3	+32 41	11.4	A7	..	24.6	+ 5 12	11.6	K7
49	965	23.6	+20 58	11.4	G	..	24.0	+32 34	11.8	A5	993	24.3	+31 17	9.4	Ao	944	24.6	+ 4 10	11.0	K2
50	792	23.6	+10 35	11.4	G5	..	24.0	+30 59	11.9	G	914	24.3	+29 50	11.8	F8	..	24.6	+ 3 34	11.7	Go

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244300 **$5^h\ 24^m.6$ to $5^h\ 25^m.8$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	931	24.6	+ 3 22	11.0	G5	..	25.0	+31 27	12.0	A	877	25.2	+21 11	10.6	A3	944	25.5	+19 58	10.7	Fo
2	1072	24.7	+33 38	10.4	A2	920	25.0	+30 37	10.8	Ao	..	25.2	+16 32	11.0	F8	809	25.5	+12 6	9.2	Ao
3	..	24.7	+32 38	11.4	A5	918	25.0	+29 41	10.8	Ko	930	25.2	+14 47	10.2	A3	835	25.5	+11 17	11.0	G5
4	..	24.7	+31 50	12.0	G5	926	25.0	+23 8	10.1	F8	799	25.2	+10 9	9.9	A5	..	25.5	+ 9 27	11.2	A3
5	..	24.7	+31 17	10.0	A	..	25.0	+22 30	11.4	F5	980	25.2	+ 8 30	9.8	G5	..	25.5	+ 9 20	10.8	A5
6	*917*	24.7	+30 1	10.1	A3	874	25.0	+21 38	10.7	Go	937	25.2	+ 3 44	10.7	Ko	913	25.5	+ 7 43	11.3	F5
7	..	24.7	+29 58	11.8	A7	873	25.0	+21 10	11.0	Go	..	25.2	+ 3 40	10.0	Ao	946	25.5	+ 6 27	10.4	Ao
8	781	24.7	+27 4	11.8	K7	940	25.0	+19 54	10.8	Ao	..	25.2	+ 3 2	10.9	F8	..	25.5	+ 6 16	10.6	A7
9	926	24.7	+22 49	10.8	Go	941	25.0	+19 41	9.8	Go	*1018*	25.3	+33 1	11.8	Ao	940	25.5	+ 5 36	10.2	A3
10	*870*	24.7	+22 0	10.2	Fo	942	25.0	+19 7	9.4	B9	1019	25.3	+32 52	10.8	K2	951	25.5	+ 4 10	10.4	A7
11	869	24.7	+21 47	11.0	F5	..	25.0	+15 9	11.7	F5	..	25.3	+32 44	11.7	G5	..	25.6	+33 46	11.3	F8
12	..	24.7	+16 57	11.7	A	929	25.0	+14 12	11.2	G5	*922*	25.3	+31 2	10.2	Ko	..	25.6	+32 11	11.4	F5
13	828	24.7	+11 20	10.9	F5	806	25.0	+12 20	10.9	Go	..	25.3	+30 6	10.8	A7	1020	25.6	+32 9	12.0	F8
14	829	24.7	+11 15	10.0	A2	830	25.0	+11 17	11.0	Go	920	25.3	+29 52	10.5	G5	833	25.6	+26 18	10.8	A2
15	796	24.7	+10 56	9.2	A2	797	25.0	+10 17	10.8	F5	..	25.3	+28 49	11.0	F8	847	25.6	+25 41	11.4	Go
16	..	24.7	+10 34	11.8	Ao	798	25.0	+10 5	10.2	Ko	..	25.3	+22 37	11.4	A3	..	25.6	+22 34	11.4	Ao
17	940	24.7	+ 6 17	10.6	A2	851	25.0	+ 9 33	11.6	Mo	..	25.3	+21 46	11.2	A5	839	25.6	+15 28	10.6	A2
18	938	24.7	+ 5 6	10.6	A2	977	25.0	+ 8 54	11.0	Ko	..	25.3	+20 44	11.7	F8	931	25.6	+14 50	10.7	F5
19	..	24.7	+ 5 1	11.0	A3	*910*	25.0	+ 8 0	11.2	K7	..	25.3	+20 39	11.1	A	802	25.6	+10 19	10.2	F2
20	..	24.7	+ 4 37	11.4	A5	..	25.0	+ 7 6	11.2	Ao	..	25.3	+20 35	11.0	A5	..	25.6	+ 8 40	11.2	Go
21	..	24.8	+32 52	11.4	K7	997	25.1	+31 58	10.5	A2	868	25.3	+18 59	9.2	B3	941	25.6	+ 5 50	11.4	K7
22	..	24.8	+32 34	10.4	F5	996	25.1	+31 33	10.6	A2	981	25.3	+ 8 59	10.3	K2	..	25.6	+ 4 45	10.6	F8
23	..	24.8	+32 31	11.7	Ao	921	25.1	+30 58	10.8	G5	..	25.3	+ 4 0	11.0	F5	952	25.6	+ 4 20	10.1	K2
24	..	24.8	+32 30	12.0	K5	..	25.1	+22 2	11.8	Fo	938	25.3	+ 3 54	11.0	K5	941	25.6	+ 3 9	10.7	A3
25	..	24.8	+32 12	11.4	F2	972	25.1	+20 37	11.2	Ko	784	25.4	+27 23	10.8	A2	1074	25.7	+33 8	11.7	K5
26	995	24.8	+31 52	11.0	K5	973	25.1	+20 21	10.0	Ao	832	25.4	+26 42	10.8	B9	..	25.7	+32 28	11.2	Ao
27	..	24.8	+30 20	11.2	F2	..	25.1	+19 35	11.5	Ao	878	25.4	+21 36	10.7	Fo	1021	25.7	+32 12	9.8	A7
28	918	24.8	+30 6	9.8	B9	914	25.1	+13 44	9.2	Ao	..	25.4	+20 40	11.3	A3	924	25.7	+30 32	11.0	F8
29	..	24.8	+28 34	11.8	G5	807	25.1	+12 46	11.1	G5	870	25.4	+18 56	9.6	K2	..	25.7	+30 23	10.9	Fo
30	872	24.8	+21 30	11.0	A	831	25.1	+11 57	10.6	Ao	..	25.4	+17 47	10.8	Ao	930	25.7	+23 46	10.0	B8
31	871	24.8	+21 26	11.1	F5	833	25.1	+11 48	9.8	Ko	940	25.4	+17 13	11.4	K7	857	25.7	+ 9 50	11.8	K7
32	..	24.8	+17 50	10.6	Ko	832	25.1	+11 32	10.6	A5	941	25.4	+17 4	10.3	Fo	983	25.7	+ 8 56	11.6	K7
33	850	24.8	+ 9 44	11.0	Go	979	25.1	+ 8 15	10.4	K2	..	25.4	+16 23	11.0	Go	..	25.7	+ 8 35	11.1	Ko
34	..	24.8	+ 9 25	11.0	F8	..	25.1	+ 6 42	10.8	Fo	854	25.4	+ 9 32	11.0	A2	947	25.7	+ 6 23	10.0	F8
35	1014	24.9	+32 6	10.2	Fo	..	25.1	+ 3 59	11.0	G5	..	25.4	+ 9 19	10.8	F2	..	25.7	+ 4 30	11.6	Mo
36	..	24.9	+31 35	11.6	Fo	..	25.1	+ 3 32	10.9	Fo	855	25.4	+ 9 3	10.8	F5	942	25.7	+ 3 41	11.0	A5
37	919	24.9	+30 43	10.9	B8	1073	25.2	+33 34	10.2	B5	*944*	25.4	+ 7 1	9.8	F2	..	25.8	+34 1	10.9	Fo
38	..	24.9	+27 17	11.2	F8	..	25.2	+32 38	11.1	F8	950	25.4	+ 4 56	10.3	F5	..	25.8	+33 33	11.4	Ko
39	845	24.9	+25 46	11.8	F8	..	25.2	+32 34	11.7	A7	..	25.4	+ 4 8	11.0	Fo	..	25.8	+30 42	11.7	F2
40	844	24.9	+25 6	11.6	A	1017	25.2	+32 17	10.0	K2	..	25.5	+32 32	11.4	Ao	814	25.8	+28 34	11.0	F2
41	..	24.9	+17 2	11.4	G5	999	25.2	+31 32	10.2	B8	..	25.5	+32 4	11.3	G5	786	25.8	+27 28	10.6	F8
42	928	24.9	+14 31	9.8	F8	..	25.2	+31 8	11.5	F2	..	25.5	+31 28	11.6	A7	848	25.8	+25 47	11.4	Fo
43	976	24.9	+ 8 24	10.4	A2	919	25.2	+29 57	11.2	K7	1000	25.5	+31 16	11.3	Ko	..	25.8	+22 0	10.8	A7
44	909	24.9	+ 7 42	10.6	F5	..	25.2	+27 24	10.9	A3	923	25.5	+30 50	10.3	K5	881	25.8	+21 57	11.2	A
45	*947*	24.9	+ 5 0	11.4	K7	831	25.2	+26 12	11.4	K7	..	25.5	+30 29	10.6	A2	880	25.8	+21 33	11.9	Ko
46	946	24.9	+ 4 24	10.4	A7	846	25.2	+25 14	10.7	F5	785	25.5	+27 24	10.8	Ao	945	25.8	+19 33	10.9	F5
47	945	24.9	+ 4 18	10.5	Fo	927	25.2	+23 55	10.2	F8	929	25.5	+22 58	10.2	A2	871	25.8	+18 56	9.2	Fo
48	..	24.9	+ 4 3	11.1	A5	928	25.2	+23 12	10.8	Ao	930	25.5	+22 40	11.0	A	872	25.8	+18 21	10.5	Go
49	934	24.9	+ 3 44	10.4	F2	927	25.2	+22 8	10.0	A5	..	25.5	+21 44	11.8	G	942	25.8	+17 2	9.9	Go
50	1015	25.0	+32 33	10.2	A2	876	25.2	+21 14	11.1	G	879	25.5	+21 22	10.8	F8	932	25.8	+14 43	9.4	B9

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HD.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	25.8	+14 34	10.8	G5	978	26.1	+20 58	10.0	Fo	*937*	26.4	+23 2	10.8	A5	845	26.7	+15 51	10.6	K2
2	..	25.8	+14 8	11.4	G5	949	26.1	+19 13	11.6	M	980	26.4	+20 52	10.8	A5	916	26.7	+13 48	9.8	F5
3	915	25.8	+13 19	9.7	F5	948	26.1	+19 4	10.8	Go	936	26.4	+14 49	9.6	Ao	..	26.7	+13 9	11.1	A2
4	..	25.8	+11 10	11.2	G5	811	26.1	+12 54	11.0	F5	838	26.4	+11 12	9.4	A3	843	26.7	+11 46	10.7	F8
5	..	25.8	+ 5 1	10.9	F8	..	26.1	+11 28	11.0	Go	918	26.4	+ 7 36	10.2	F5	..	26.7	+11 35	11.0	A3
6	943	25.8	+ 3 30	11.0	K7	..	26.1	+11 17	11.0	G5	1026	26.5	+32 16	9.9	B9	..	26.7	+11 29	11.6	A5
7	..	25.8	+ 3 4	11.5	G5	..	26.1	+ 9 26	10.8	G5	1004	26.5	+31 28	10.2	Ao	950	26.7	+ 6 54	10.4	A7
8	1076	25.9	+33 49	10.0	K2	985	26.1	+ 8 41	11.0	K5	..	26.5	+30 25	10.9	A3	..	26.7	+ 6 13	11.8	K5
9	1077	25.9	+33 40	9.4	B9	..	26.1	+ 8 23	10.8	Fo	*840*	26.5	+27 1	10.5	F2	950	26.7	+ 5 56	10.4	Go
10	1075	25.9	+33 20	10.6	Ko	948	26.1	+ 6 19	9.6	Ao	839	26.5	+26 42	10.0	B3	961	26.7	+ 4 19	10.6	F2
11	..	25.9	+32 47	11.2	A3	949	26.1	+ 3 31	10.8	Ao	795	26.5	+16 4	10.2	K5	951	26.7	+ 3 2	12.0	K5
12	1022	25.9	+32 32	10.6	A2	..	26.2	+33 21	11.3	G5	843	26.5	+15 48	11.0	G5	..	26.8	+31 45	10.8	F5
13	..	25.9	+32 27	11.8	G	..	26.2	+32 43	11.0	Ao	..	26.5	+11 48	11.1	A2	819	26.8	+28 21	10.3	A2
14	922	25.9	+29 15	10.8	Go	..	26.2	+32 16	11.0	Go	*988*	26.5	+ 9 0	11.0	Ko	851	26.8	+25 56	10.4	Ao
15	..	25.9	+27 18	11.3	Ao	..	26.2	+30 32	11.7	Fo	989	26.5	+ 8 14	11.2	G5	937	26.8	+23 20	10.8	Fo
16	846	25.9	+24 55	9.8	Go	849	26.2	+25 16	10.6	G5	949	26.5	+ 6 41	10.5	Go	885	26.8	+21 37	11.1	A2
17	931	25.9	+22 40	10.8	Ao	848	26.2	+24 44	11.2	A	..	26.5	+ 5 42	11.8	K2	..	26.8	+21 16	10.7	A2
18	932	25.9	+22 15	10.8	F5	934	26.2	+23 41	10.7	A2	*959*	26.5	+ 5 0	10.4	Mo	983	26.8	+20 51	10.2	Ao
19	882	25.9	+21 36	10.0	Go	935	26.2	+22 46	10.8	A2	..	26.6	+32 49	11.8	B9	..	26.8	+17 26	11.2	Ao
20	976	25.9	+20 21	11.4	K5	934	26.2	+22 30	11.6	K	1005	26.6	+31 31	10.6	K2	947	26.8	+17 2	11.9	K5
21	944	25.9	+17 46	10.1	F8	..	26.2	+21 54	11.6	F	..	26.6	+30 48	11.7	Go	848	26.8	+15 53	10.6	Fo
22	841	25.9	+15 5	11.2	G5	859	26.2	+ 9 43	10.8	F5	..	26.6	+22 0	11.7	A	847	26.8	+15 23	9.8	Go
23	836	25.9	+11 58	10.2	G5	858	26.2	+ 9 26	10.8	K5	..	26.6	+21 16	10.9	Go	846	26.8	+15 7	10.6	Go
24	803	25.9	+10 56	9.2	B9	..	26.2	+ 7 56	11.4	A7	..	26.6	+21 0	11.6	A	805	26.8	+10 14	10.6	A5
25	984	25.9	+ 8 20	10.2	F5	..	26.2	+ 5 40	11.2	F8	981	26.6	+20 56	11.8	Ko	864	26.8	+ 9 15	10.8	K5
26	914	25.9	+ 7 3	9.8	A2	..	26.3	+33 54	11.5	A7	..	26.6	+18 48	11.4	Ko	951	26.8	+ 6 46	10.7	A3
27	945	25.9	+ 5 25	10.0	Fo	..	26.3	+33 1	10.6	A3	..	26.6	+17 23	10.8	Ko	952	26.8	+ 5 29	10.6	A2
28	955	25.9	+ 4 12	10.6	Go	..	26.3	+31 20	12.1	Go	841	26.6	+11 51	10.2	Ko	953	26.8	+ 3 14	11.6	Ko
29	954	25.9	+ 4 4	10.6	F5	1002	26.3	+31 5	9.9	A7	842	26.6	+11 46	9.9	F2	..	26.9	+32 33	11.8	Go
30	..	26.0	+33 35	11.0	B9	..	26.3	+30 38	11.8	F5	862	26.6	+ 9 47	10.0	A3	925	26.9	+29 27	11.8	A3
31	..	26.0	+33 10	11.1	B9	816	26.3	+28 17	11.1	F8	..	26.6	+ 6 33	11.0	F5	..	26.9	+22 18	11.2	F5
32	1078	26.0	+33 4	11.6	K7	836	26.3	+26 59	10.6	B8	949	26.6	+ 5 25	10.8	F5	..	26.9	+22 8	11.8	A7
33	..	26.0	+32 58	11.3	A5	837	26.3	+26 4	10.6	Ao	960	26.6	+ 4 43	10.8	K5	984	26.9	+20 54	10.6	A2
34	925	26.0	+30 52	10.4	K2	..	26.3	+22 52	11.1	Go	950	26.6	+ 3 29	10.8	G5	..	26.9	+12 39	11.8	F5
35	932	26.0	+23 16	11.0	Fo	979	26.3	+20 21	11.0	Ko	..	26.7	+32 41	11.2	G5	*844*	26.9	+12 0	11.0	K2
36	933	26.0	+22 17	10.8	A2	950	26.3	+19 41	11.2	G5	..	26.7	+32 31	11.8	G5	806	26.9	+10 10	9.8	Go
37	883	26.0	+21 42	10.1	A3	935	26.3	+14 10	9.4	Fo	..	26.7	+32 2	12.4	K7	992	26.9	+ 8 33	11.0	Ko
38	874	26.0	+18 10	11.0	K7	..	26.3	+13 19	11.2	K2	..	26.7	+31 39	11.2	A2	..	26.9	+ 6 9	11.1	F2
39	..	26.0	+16 32	11.0	A2	813	26.3	+12 58	9.6	A3	..	26.7	+31 27	10.9	A3	..	27.0	+34 0	11.0	Ao
40	842	26.0	+15 26	11.4	A2	812	26.3	+12 10	10.4	Go	1006	26.7	+31 15	10.8	F2	1082	27.0	+33 38	9.8	Ao
41	956	26.0	+ 4 45	11.4	Mo	837	26.3	+11 7	9.6	K5	*927*	26.7	+31 2	9.9	A3	..	27.0	+32 5	11.5	A3
42	947	26.0	+ 3 32	10.4	F8	804	26.3	+10 55	9.6	A2	928	26.7	+30 51	9.7	A2	..	27.0	+31 57	10.9	F8
43	946	26.0	+ 3 4	10.4	F8	917	26.3	+ 7 34	10.8	Ko	..	26.7	+30 16	11.0	F8	..	27.0	+30 22	11.0	A5
44	..	26.1	+32 56	12.2	G	947	26.3	+ 5 59	11.0	A2	..	26.7	+28 56	11.1	K2	927	27.0	+29 18	10.9	B9
45	1023	26.1	+32 41	10.4	A3	*1080*	26.4	+34 0	10.8	Go	..	26.7	+27 51	12.0	K5	..	27.0	+28 50	11.4	F8
46	..	26.1	+32 12	12.0	F8	1079	26.4	+33 50	10.2	Go	..	26.7	+21 39	11.2	A3	789	27.0	+27 50	10.6	K5
47	815	26.1	+28 13	11.3	F8	..	26.4	+33 18	11.4	F8	..	26.7	+21 35	11.2	Ao	842	27.0	+26 27	10.2	Ao
48	..	26.1	+27 59	12.0	K	817	26.4	+28 30	10.8	G	884	26.7	+21 17	11.0	K2	851	27.0	+24 2	10.8	A2
49	847	26.1	+24 54	9.7	Ao	838	26.4	+26 14	9.6	Go	..	26.7	+21 11	11.2	F	..	27.0	+18 32	10.7	A2
50	933	26.1	+23 9	11.3	A7	*850*	26.4	+26 1	11.4	Mo	982	26.7	+20 51	10.6	M2	796	27.0	+16 48	10.1	A3

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	849	27.0	+15 12	9.7	A2	995	27.3	+ 8 29	10.8	A7	878	27.7	+18 43	10.9	K2	..	28.0	+22 58	11.3	A
2	993	27.0	+ 8 39	11.0	A5	965	27.3	+ 4 56	11.2	Mo	..	27.7	+18 42	11.8	A	..	28.0	+22 8	11.5	Ao
3	954	27.0	+ 3 20	11.2	Mo	..	27.4	+34 0	10.8	A2	951	27.7	+17 17	10.2	A2	799	28.0	+16 16	10.2	Fo
4	..	27.1	+32 29	11.8	G	1032	27.4	+32 24	10.2	Go	852	27.7	+15 57	9.6	Ao	..	28.0	+13 18	11.2	A
5	..	27.1	+32 27	12.4	K7	932	27.4	+30 28	10.2	F8	853	27.7	+15 32	9.6	F2	*810*	28.0	+11 1	11.4	A
6	1029	27.1	+32 8	10.0	B9	931	27.4	+30 14	10.8	B8	942	27.7	+14 56	10.6	F2	930	28.0	+ 7 46	11.3	K7
7	..	27.1	+31 27	11.2	F2	933	27.4	+30 6	10.9	Ao	928	27.7	+ 7 30	10.8	Ko	..	28.0	+ 7 1	10.8	A2
8	928	27.1	+29 10	10.4	A5	845	27.4	+26 31	10.8	Ao	967	27.7	+ 4 10	10.2	Ao	*959*	28.0	+ 4 1	11.2	G5
9	939	27.1	+23 9	10.4	A3	846	27.4	+26 28	10.0	Ko	956	27.7	+ 3 16	10.0	G5	..	28.1	+33 50	10.7	B8
10	939	27.1	+22 13	10.8	A5	857	27.4	+25 24	10.8	K2	1008	27.8	+31 26	10.4	Fo	..	28.1	+32 48	11.8	F5
11	..	27.1	+20 11	11.5	F5	..	27.4	+20 9	11.8	A	..	27.8	+31 14	10.8	Go	1010	28.1	+31 46	11.3	Ko
12	940	27.1	+14 49	11.0	Ko	876	27.4	+18 59	11.0	A5	792	27.8	+27 50	11.0	Go	*795*	28.1	+28 1	10.9	G5
13	..	27.1	+12 45	11.2	F8	..	27.4	+17 16	11.0	A	849	27.8	+26 42	11.2	K7	..	28.1	+21 18	11.3	A
14	..	27.1	+11 2	11.5	Fo	846	27.4	+11 36	10.2	F5	859	27.8	+25 45	10.4	Fo	959	28.1	+19 52	10.6	Ao
15	..	27.1	+ 9 48	10.8	K5	1084	27.5	+33 53	9.2	A2	858	27.8	+25 33	10.8	A	960	28.1	+19 21	10.6	A2
16	924	27.1	+ 7 22	10.6	K5	..	27.5	+32 9	12.0	K5	858	27.8	+24 10	11.0	F	..	28.1	+18 30	11.1	G5
17	..	27.1	+ 7 16	11.2	A	..	27.5	+31 0	10.8	A2	945	27.8	+22 12	12.1	K5	854	28.1	+15 9	10.6	K2
18	963	27.1	+ 4 8	10.6	F8	934	27.5	+30 26	10.6	Fo	..	27.8	+21 26	11.7	A	..	28.1	+ 9 42	11.2	A3
19	1031	27.2	+32 54	10.2	A2	935	27.5	+30 20	10.0	B9	956	27.8	+19 56	10.8	F5	998	28.1	+ 8 16	11.6	K7
20	..	27.2	+32 40	11.2	A2	..	27.5	+29 23	12.1	G5	944	27.8	+14 59	11.2	Ko	957	28.1	+ 6 54	11.0	K5
21	..	27.2	+32 9	11.2	Ko	986	27.5	+20 15	11.1	K7	968	27.8	+ 4 26	10.2	F5	..	28.1	+ 5 2	11.4	G
22	929	27.2	+30 42	11.0	G5	950	27.5	+17 24	10.2	K2	1086	27.9	+33 27	10.2	A5	*960*	28.1	+ 4 2	11.9	K2
23	930	27.2	+30 40	10.8	G5	..	27.5	+12 19	11.2	Fo	..	27.9	+33 22	10.4	A3	..	28.2	+31 24	11.0	A7
24	..	27.2	+30 12	12.0	F8	869	27.5	+ 9 15	10.4	Ko	1033	27.9	+32 40	11.8	Mo	940	28.2	+30 57	11.0	K7
25	..	27.2	+30 3	11.6	A	927	27.5	+ 7 29	11.2	Mo	..	27.9	+31 46	10.8	A7	939	28.2	+30 27	10.4	A5
26	820	27.2	+28 48	10.9	A7	953	27.5	+ 6 44	11.0	K2	937	27.9	+30 19	9.8	A2	932	28.2	+29 12	10.6	Ao
27	855	27.2	+25 7	11.2	Ko	..	27.5	+ 6 2	10.6	B9	930	27.9	+29 49	10.2	A2	..	28.2	+28 53	11.5	A
28	941	27.2	+22 40	10.9	F5	953	27.5	+ 5 32	10.8	F8	822	27.9	+28 28	11.2	K5	823	28.2	+28 28	11.8	K5
29	..	27.2	+21 23	11.2	F	..	27.6	+32 55	11.6	Go	..	27.9	+27 3	11.5	G5	852	28.2	+26 59	10.6	Go
30	985	27.2	+20 6	10.4	F5	847	27.6	+26 25	9.6	Ao	..	27.9	+25 45	11.9	M	890	28.2	+21 8	11.0	A
31	815	27.2	+12 58	10.0	M3	848	27.6	+26 19	9.9	Ao	946	27.9	+22 21	10.2	Ko	991	28.2	+20 26	9.6	B9
32	845	27.2	+11 8	11.7	G5	..	27.6	+21 52	12.1	A2	889	27.9	+21 9	12.0	K5	*801*	28.2	+17 2	11.4	A
33	*994*	27.2	+ 9 0	10.6	A7	987	27.6	+20 4	10.9	Fo	798	27.9	+16 50	10.8	Go	..	28.2	+16 4	10.9	A
34	952	27.2	+ 6 14	10.8	A7	797	27.6	+16 34	10.3	F8	817	27.9	+12 34	11.0	A5	855	28.2	+15 2	11.5	Go
35	..	27.2	+ 5 59	11.8	Ko	816	27.6	+12 44	10.2	F2	809	27.9	+10 35	11.1	Ko	946	28.2	+14 36	10.2	Ao
36	964	27.2	+ 4 18	10.8	A2	..	27.6	+ 7 42	11.4	G5	870	27.9	+ 9 14	10.2	F8	811	28.2	+10 55	11.0	K7
37	..	27.3	+32 56	11.0	B9	966	27.6	+ 4 26	10.2	Go	954	27.9	+ 6 44	10.6	M2	..	28.2	+ 9 37	11.2	G5
38	..	27.3	+32 42	11.4	K7	1085	27.7	+33 56	11.0	Ko	955	27.9	+ 6 6	9.4	Ko	*958*	28.2	+ 7 0	10.2	Fo
39	..	27.3	+31 14	10.9	Go	..	27.7	+32 29	12.2	G5	955	27.9	+ 5 45	10.1	Ko	..	28.3	+33 50	10.6	A2
40	929	27.3	+29 6	11.0	K7	..	27.7	+32 11	10.7	B8	969	27.9	+ 4 5	10.8	F2	..	28.3	+33 35	11.2	Go
41	..	27.3	+28 47	11.0	A2	1007	27.7	+31 6	10.5	Mo	957	27.9	+ 3 38	11.2	F8	1011	28.3	+31 14	10.6	A2
42	790	27.3	+27 53	11.0	K2	821	27.7	+28 43	11.0	K5	..	28.0	+33 24	10.8	G5	..	28.3	+30 37	11.4	F8
43	..	27.3	+26 47	11.7	A5	..	27.7	+25 30	11.3	A	..	28.0	+32 55	12.2	K7	..	28.3	+28 31	11.4	G5
44	941	27.3	+23 55	11.0	G5	856	27.7	+24 35	10.7	G5	1009	28.0	+31 58	12.0	K7	797	28.3	+27 31	9.9	Bo
45	940	27.3	+23 15	10.8	G5	946	27.7	+23 19	11.0	F8	..	28.0	+31 40	11.1	Go	796	28.3	+27 5	10.8	F8
46	886	27.3	+21 21	10.0	A2	944	27.7	+22 40	10.6	B9	931	28.0	+29 58	10.8	F8	863	28.3	+24 54	11.4	G5
47	887	27.3	+21 9	10.3	A2	943	27.7	+22 31	11.2	Fo	793	28.0	+27 30	10.7	Ko	860	28.3	+24 51	10.9	K2
48	949	27.3	+17 52	10.3	Ao	954	27.7	+19 36	10.8	A7	851	28.0	+26 44	10.0	Go	862	28.3	+24 47	11.9	N
49	850	27.3	+15 25	11.4	A	957	27.7	+19 20	10.9	K7	861	28.0	+25 31	10.2	B8	864	28.3	+24 18	11.2	A
50	807	27.3	+10 56	9.5	F8	955	27.7	+19 8	10.7	F8	859	28.0	+24 20	11.0	A	948	28.3	+23 24	11.2	F

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	28.3	+18 49	11.5	A3	1035	28.6	+32 56	9.8	G5	953	28.8	+17 4	9.7	Go	860	29.1	+26 17	10.3	Ao
2	..	28.3	+18 35	11.3	A5	..	28.6	+32 37	11.2	Ao	920	28.8	+13 51	10.1	Go	950	29.1	+23 59	9.8	Go
3	819	28.3	+12 7	11.5	A	1036	28.6	+32 25	9.5	B3	812	28.8	+10 27	10.7	K7	951	29.1	+22 40	10.5	A2
4	851	28.3	+11 49	11.2	G5	..	28.6	+31 35	11.2	B8	962	28.8	+ 3 50	10.7	K2	1003	29.1	+20 58	12.2	K5
5	850	28.3	+11 38	11.1	F5	..	28.6	+30 7	12.1	A7	1092	28.9	+33 52	9.9	A2	967	29.1	+19 34	10.8	Ko
6	872	28.3	+ 9 53	10.9	G5	935	28.6	+29 14	10.0	Go	1040	28.9	+32 26	10.8	F2	..	29.1	+16 59	11.0	A5
7	873	28.3	+ 9 41	10.5	F8	824	28.6	+28 2	11.0	K5	..	28.9	+30 11	12.1	G5	952	29.1	+14 6	10.6	A2
8	871	28.3	+ 9 36	10.4	A2	800	28.6	+27 15	10.4	F5	..	28.9	+27 25	11.6	A3	..	29.1	+11 42	11.8	A
9	970	28.3	+ 4 38	10.5	Go	..	28.6	+26 45	11.3	Ao	949	28.9	+22 30	10.0	G5	813	29.1	+10 4	10.4	G5
10	1034	28.4	+32 57	10.8	Ko	996	28.6	+20 6	11.3	K2	894	28.9	+21 52	10.2	A2	1094	29.2	+33 55	8.8	B8
11	1012	28.4	+31 54	9.7	F2	803	28.6	+16 6	10.6	G5	895	28.9	+21 14	10.5	A3	..	29.2	+33 4	11.5	A5
12	1014	28.4	+31 16	11.2	Go	..	28.6	+14 17	10.0	A7	923	28.9	+13 21	10.8	A5	..	29.2	+32 32	9.9	A2
13	941	28.4	+30 55	9.8	A2	951	28.6	+14 6	9.4	B9	1003	28.9	+ 8 8	11.3	K7	1044	29.2	+32 29	9.6	A3
14	933	28.4	+29 44	11.2	K5	..	28.6	+12 44	11.2	Go	1002	28.9	+ 8 5	10.7	A2	..	29.2	+32 17	11.5	K7
15	..	28.4	+28 20	11.2	Go	854	28.6	+11 13	10.1	A5	..	28.9	+ 6 53	10.7	Go	..	29.2	+32 3	10.6	A3
16	..	28.4	+27 7	11.0	Ao	..	28.6	+10 48	11.2	A	960	28.9	+ 6 21	11.2	G5	..	29.2	+29 46	11.8	G5
17	..	28.4	+27 5	11.0	A5	..	28.6	+10 21	10.8	G5	974	28.9	+ 4 3	10.8	F2	..	29.2	+27 18	11.4	Go
18	..	28.4	+26 40	10.8	Ao	932	28.6	+ 7 56	11.2	Mo	1093	29.0	+33 24	10.8	K2	..	29.2	+26 35	11.4	A5
19	995	28.4	+20 50	10.8	F8	956	28.6	+ 5 25	10.4	K2	..	29.0	+33 14	11.7	Ko	..	29.2	+20 10	12.0	A
20	994	28.4	+20 12	11.9	K	..	28.6	+ 4 26	11.5	F5	1041	29.0	+32 56	9.8	Ao	968	29.2	+19 28	10.6	Fo
21	..	28.4	+19 42	10.7	Ao	*961*	28.6	+ 4 0	10.3	Fo	1042	29.0	+32 44	10.0	K2	.969	29.2	+19 12	10.4	F5
22	..	28.4	+19 9	11.2	A2	1089	28.7	+33 30	8.9	A2	..	29.0	+30 48	11.2	B8	..	29.2	+18 36	10.7	A3
23	948	28.4	+14 25	9.4	Ko	..	28.7	+33 11	10.9	F8	937	29.0	+29 40	11.7	Ko	954	29.2	+17 18	10.6	F2
24	..	28.4	+14 7	10.8	F8	1039	28.7	+32 51	9.2	A2	936	29.0	+29 12	11.0	G5	..	29.2	+11 3	11.2	A3
25	..	28.4	+11 36	11.4	K	1038	28.7	+32 32	10.8	K2	803	29.0	+27 45	9.7	Go	876	29.2	+ 9 32	10.2	G5
26	..	28.4	+11 26	11.2	Go	..	28.7	+32 31	10.9	B9	802	29.0	+27 27	10.4	Mo	1004	29.2	+ 8 24	11.3	G5
27	*874*	28.4	+10 0	10.2	A7	..	28.7	+32 22	11.7	Mo	..	29.0	+26 53	11.5	G5	..	29.3	+33 6	11.9	K2
28	875	28.4	+ 9 24	11.0	F8	1016	28.7	+31 38	10.7	Go	865	29.0	+25 53	9.8	A2	..	29.3	+32 8	10:8	Go
29	999	28.4	+ 8 8	11.4	Ao	1017	28.7	+31 2	11.2	K2	867	29.0	+24 33	11.2	F8	..	29.3	+30 51	11.9	Ko
30	..	28.4	+ 7 53	11.1	Go	..	28.7	+30 39	11.1	A2	866	29.0	+24 25	10.4	Go	..	29.3	+27 31	11.6	G5
31	..	28.5	+33 28	11.1	F8	943	28.7	+30 10	10.8	Go	1001	29.0	+20 43	10.8	Ao	..	29.3	+26 37	11.6	A7
32	..	28.5	+32 38	11.4	F8	..	28.7	+28 17	11.1	G5	965	29.0	+19 42	10.2	A2	861	29.3	+26 28	10.6	Ao
33	..	28.5	+32 30	11.5	A2	801	28.7	+27 4	10.7	A2	..	29.0	+18 53	10.8	A	..	29.3	+26 2	10.8	A
34	..	28.5	+32 23	11.2	K2	857	28.7	+26 42	11.6	Mo	879	29.0	+18 38	10.8	F5	869	29.3	+24 57	9.7	Ko
35	..	28.5	+31 59	12.0	G5	..	28.7	+26 19	11.0	F8	804	29.0	+16 32	11.4	Ko	953	29.3	+23 32	10.7	A2
36	1015	28.5	+31 19	10.2	A5	863	28.7	+25 49	10.1	K7	805	29.0	+16 17	9.6	A2	952	29.3	+23 23	11.1	K2
37	934	28.5	+29 58	10.0	A3	..	28.7	+22 36	11.0	A	859	29.0	+15 25	11.6	K2	1004	29.3	+20 14	10.8	A2
38	*854*	28.5	+27 1	10.6	Go	947	28.7	+22 6	11.6	K7	858	29.0	+15 13	11.6	K5	883	29.3	+18 46	10.4	F5
39	*853*	28.5	+27 0	11.0	Go	..	28.7	+20 58	11.2	G	..	29.0	+12 35	11.7	Ko	882	29.3	+18 30	9.8	F5
40	962	28.5	+19 7	11.1	G5	963	28.7	+19 52	10.6	A2	859	29.0	+11 37	11.2	K5	955	29.3	+17 40	10.8	K2
41	949	28.5	+14 20	10.1	Ao	921	28.7	+13 22	11.1	K5	..	29.0	+10 6	11.0	G5	925	29.3	+13 52	10.8	Ao
42	919	28.5	+13 24	11.1	A3	856	28.7	+11 55	9.6	Go	..	29.0	+ 9 22	10.6	Go	..	29.3	+13 5	11.2	Ao
43	820	28.5	+12 23	10.9	Ko	855	28.7	+11 39	9.8	A5	933	29.0	+ 7 36	10.4	K2	..	29.3	+12 40	11.0	A2
44	..	28.5	+12 0	10.8	F5	972	28.7	+ 4 26	10.4	Go	963	29.0	+ 3 38	9.7	K5	814	29.3	+10 50	10.4	F8
45	853	28.5	+11 15	9.6	Go	973	28.7	+ 4 5	10.9	K5	..	29.1	+33 18	11.1	A7	815	29.3	+10 42	10.8	Ko
46	1000	28.5	+ 8 57	10.1	Fo	1091	28.8	+33 27	11.0	K7	..	29.1	+32 37	11.6	G5	816	29.3	+10 30	9.9	G5
47	959	28.5	+ 6 27	11.7	K2	..	28.8	+32 12	12.4	K7	..	29.1	+32 0	10.6	A3	..	29.3	+ 8 52	10.7	A3
48	971	28.5	+ 4 7	11.2	K5	..	28.8	+28 6	11.6	F8	..	29.1	+31 5	11.4	F8	..	29.3	+ 8 22	11.6	G5
49	1087	28.6	+33 53	8.6	F5	999	28.8	+20 33	10.8	F2	..	29.1	+30 50	12.2	A	*966*	29.3	+ 4 1	9.8	A2
50	1088	28.6	+33 6	10.3	B8	998	28.8	+20 14	10.8	F5	..	29.1	+29 4	11.3	A	..	29.3	+ 3 38	11.0	G5

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245100 — $5^h\ 29^m.4$ to $5^h\ 30^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	29.4	+33 46	11.2	G5	..	29.6	+30 20	11.9	G5	863	29.8	+15 43	10.3	F5	867	30.1	+11 43	9.6	F8
2	..	29.4	+32 16	12.2	A	..	29.6	+30 12	11.2	Go	932	29.8	+13 26	11.0	F5	885	30.1	+ 9 38	11.0	Ko
3	..	29.4	+31 30	12.2	Mo	826	29.6	+28 6	10.4	Ao	882	29.8	+ 9 37	7.7	B8	*1008*	30.1	+ 9 1	10.5	Ko
4	..	29.4	+31 21	12.4	K2	873	29.6	+25 30	10.2	F5	970	29.8	+ 3 16	10.5	F5	1009	30.1	+ 8 23	10.0	F8
5	..	29.4	+30 55	11.7	A2	872	29.6	+25 12	9.7	Ao	..	29.9	+32 18	11.0	F5	..	30.1	+ 8 5	11.7	Go
6	..	29.4	+28 54	12.0	K7	..	29.6	+23 0	10.8	A2	..	29.9	+30 53	12.2	A	1099	30.2	+33 51	10.1	A3
7	..	29.4	+27 31	11.2	F2	898	29.6	+21 18	10.4	Fo	947	29.9	+30 41	10.4	B8	..	30.2	+32 51	12.0	A
8	804	29.4	+27 15	10.0	B9	..	29.6	+21 5	10.8	A7	..	29.9	+27 56	11.0	Fo	..	30.2	+32 43	11.7	K5
9	869	29.4	+25 58	10.0	A2	1008	29.6	+20 20	11.0	A3	865	29.9	+26 6	9.9	A	1022	30.2	+31 47	10.0	B8
10	868	29.4	+25 48	10.1	K5	..	29.6	+20 15	11.0	A2	957	29.9	+23 52	9.8	B8	..	30.2	+31 27	12.4	K7
11	..	29.4	+25 47	11.0	Fo	809	29.6	+16 28	10.6	Ao	1011	29.9	+20 58	9.4	B8	953	30.2	+30 51	10.9	B8
12	955	29.4	+23 13	10.8	Ao	810	29.6	+16 24	10.2	A7	..	29.9	+20 17	11.2	A	..	30.2	+30 33	11.0	Ko
13	1005	29.4	+20 50	10.1	A5	811	29.6	+16 12	10.0	Ko	888	29.9	+18 42	10.5	Ko	..	30.2	+29 56	12.6	K
14	970	29.4	+19 38	9.9	Fo	954	29.6	+14 57	11.2	G5	886	29.9	+18 15	10.8	A7	..	30.2	+29 33	12.6	K7
15	807	29.4	+16 28	11.4	K7	955	29.6	+14 7	11.8	F5	812	29.9	+16 15	11.0	G5	867	30.2	+26 55	11.2	G5
16	*817*	29.4	+11 1	11.8	K2	..	29.6	+12 30	11.3	A3	1007	29.9	+ 8 24	10.6	K5	959	30.2	+23 32	10.4	A2
17	..	29.4	+10 39	10.8	A2	863	29.6	+11 26	10.0	G5	963	29.9	+ 5 46	9.9	A2	973	30.2	+19 32	9.2	B8
18	..	29.4	+ 8 5	11.6	Go	..	29.6	+ 9 52	10.7	B9	..	29.9	+ 4 36	11.6	G	889	30.2	+18 59	10.8	A
19	977	29.4	+ 4 38	10.6	G5	..	29.6	+ 8 54	10.9	F2	971	29.9	+ 3 9	11.0	M2	814	30.2	+16 11	11.5	K7
20	976	29.4	+ 4 18	10.6	K7	..	29.6	+ 4 43	11.7	K7	..	30.0	+30 50	11.0	A5	934	30.2	+13 58	11.3	K5
21	..	29.5	+33 47	10.3	A2	..	29.6	+ 4 23	10.2	Ko	950	30.0	+30 44	11.1	Mo	870	30.2	+11 43	11.0	K2
22	..	29.5	+32 20	10.8	Ao	969	29.6	+ 3 41	9.7	K7	808	30.0	+27 51	10.6	A7	871	30.2	+11 18	10.4	A2
23	..	29.5	+32 2	11.8	F5	967	29.6	+ 3 25	11.6	K7	809	30.0	+27 24	11.6	K5	869	30.2	+11 11	9.4	Ao
24	..	29.5	+31 59	11.0	Ao	1046	29.7	+32 53	9.9	B3	874	30.0	+24 28	10.6	A3	820	30.2	+10 59	10.6	G5
25	945	29.5	+30 40	10.7	A3	1045	29.7	+32 50	10.5	G5	875	30.0	+24 25	10.5	K2	..	30.2	+ 9 51	10.2	A7
26	..	29.5	+30 26	11.2	Ao	..	29.7	+31 50	12.0	K2	958	30.0	+23 46	11.2	Go	..	30.2	+ 8 37	11.0	A3
27	..	29.5	+29 40	11.9	G	946	29.7	+30 11	10.1	A7	953	30.0	+22 23	10.2	Ao	..	30.2	+ 8 18	11.3	F5
28	825	29.5	+28 56	10.7	Go	..	29.7	+29 58	12.2	A7	954	30.0	+22 18	10.4	Fo	1010	30.2	+ 8 8	10.6	K2
29	..	29.5	+28 16	11.2	Go	827	29.7	+28 59	11.7	K7	..	30.0	+22 3	11.3	A	980	30.2	+ 4 5	10.2	F2
30	..	29.5	+28 7	11.0	Ao	871	29.7	+24 51	9.8	B8	933	30.0	+13 39	11.1	Go	973	30.2	+ 3 51	9.8	G5
31	862	29.5	+26 46	9.9	B8	884	29.7	+18 43	10.5	F8	825	30.0	+12 53	10.9	A5	..	30.3	+32 56	10.8	A2
32	870	29.5	+25 55	9.8	A3	956	29.7	+17 40	11.0	Ko	865	30.0	+11 53	9.6	F2	..	30.3	+32 15	11.9	F8
33	870	29.5	+24 28	9.6	Ao	..	29.7	+17 26	10.6	Ao	..	30.0	+ 8 18	10.8	Ao	..	30.3	+31 48	11.8	Ao
34	897	29.5	+21 14	10.3	Go	931	29.7	+13 36	10.6	F8	936	30.0	+ 7 48	12.0	K7	..	30.3	+31 44	10.7	Ao
35	1007	29.5	+20 44	11.0	K5	880	29.7	+ 9 58	9.6	A5	937	30.0	+ 7 34	10.2	A2	954	30.3	+30 33	10.4	A5
36	953	29.5	+14 30	11.0	G5	..	29.7	+ 9 16	10.6	A3	..	30.0	+ 6 36	10.8	F8	..	30.3	+29 53	12.2	A
37	926	29.5	+13 56	9.9	F2	..	29.7	+ 8 21	11.8	K2	*978*	30.0	+ 5 0	10.2	Ao	829	30.3	+28 57	9.5	F5
38	822	29.5	+12 32	10.3	Go	935	29.7	+ 7 51	10.4	B8	972	30.0	+ 3 42	10.1	Ko	..	30.3	+27 17	11.4	A
39	862	29.5	+11 7	10.5	A5	..	29.8	+33 10	11.2	Ao	*1098*	30.1	+34 0	9.0	B5	880	30.3	+24 55	10.6	A7
40	..	29.5	+ 9 52	9.0	B9	1047	29.8	+32 43	10.4	F5	..	30.1	+32 20	12.0	K2	881	30.3	+24 6	10.0	A2
41	878	29.5	+ 9 24	9.5	Ao	..	29.8	+30 12	11.2	Ao	*1021*	30.1	+32 0	9.8	B5	..	30.3	+23 51	11.0	Ao
42	*963*	29.5	+ 7 1	10.6	K2	828	29.8	+28 37	11.0	A3	..	30.1	+31 53	11.2	Ao	..	30.3	+23 11	11.3	F8
43	..	29.5	+ 6 12	11.8	Go	807	29.8	+27 9	10.1	B9	..	30.1	+30 55	11.2	Ao	*1013*	30.3	+21 1	10.0	Ao
44	960	29.5	+ 5 27	10.0	A2	863	29.8	+26 49	10.6	A3	..	30.1	+30 22	11.1	Go	..	30.3	+20 11	10.8	Fo
45	959	29.5	+ 5 24	9.8	A3	875	29.8	+25 57	9.8	A7	951	30.1	+30 19	10.8	Ko	975	30.3	+19 36	9.5	A2
46	..	29.5	+ 4 36	10.8	F8	874	29.8	+25 38	10.2	G	810	30.1	+27 13	9.8	A2	..	30.3	+17 14	11.1	F8
47	1097	29.6	+33 13	11.3	G5	..	29.8	+22 15	11.6	A	866	30.1	+26 17	9.6	A7	..	30.3	+12 39	11.8	G
48	1018	29.6	+31 30	10.7	F5	*900*	29.8	+22 1	10.1	Ko	877	30.1	+25 58	10.8	A3	..	30.3	+11 30	10.6	K7
49	1019	29.6	+31 5	10.5	Ko	1010	29.8	+20 22	10.8	F8	1012	30.1	+20 23	10.8	Go	821	30.3	+10 20	9.5	F8
50	..	29.6	+30 21	12.5	F	..	29.8	+17 18	11.4	Ko	826	30.1	+12 16	10.8	Go	..	30.3	+ 8 26	11.5	Fo

$+3°.0$ to $+34°.0$

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1936A

245300 $5^h\ 30^m.3$ to $5^h\ 31^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	940	30.3	+ 7 40	10.9	Ko	831	30.7	+28 8	9.9	F2	957	30.9	+22 44	10.0	A5	904	31.1	+21 22	10.2	A2
2	966	30.3	+ 5 48	9.8	A2	..	30.7	+27 50	11.5	G5	956	30.9	+22 24	10.8	Ko	..	31.1	+21 10	10.8	A7
3	..	30.4	+33 9	10.4	A5	813	30.7	+27 34	10.4	A2	980	30.9	+19 55	11.2	G5	..	31.1	+19 35	11.4	A
4	1023	30.4	+31 45	10.1	F2	..	30.7	+26 53	11.4	Ko	979	30.9	+19 10	10.2	Fo	821	31.1	+16 50	10.9	K5
5	955	30.4	+30 25	10.8	G5	868	30.7	+26 19	11.2	A	..	30.9	+17 0	10.6	Ao	936	31.1	+13 34	11.4	G5
6	..	30.4	+30 5	11.6	Go	884	30.7	+25 59	10.8	B9	..	30.9	+17 0	11.0	Ao	831	31.1	+12 44	10.4	Ko
7	939	30.4	+29 37	12.6	K5	885	30.7	+24 12	10.8	A3	820	30.9	+16 37	11.6	Ko	879	31.1	+11 6	9.5	Ko
8	..	30.4	+26 30	11.4	Go	961	30.7	+23 22	9.8	Go	..	30.9	+16 1	11.4	Ao	*894*	31.1	+10 0	10.9	K2
9	955	30.4	+22 50	11.0	Ko	1016	30.7	+20 9	10.8	A5	878	30.9	+11 16	9.8	K7	896	31.1	+ 9 48	9.1	Ko
10	901	30.4	+21 8	10.6	B	978	30.7	+19 52	9.9	A3	823	30.9	+10 47	9.9	K2	895	31.1	+ 9 32	10.4	K7
11	957	30.4	+17 38	11.6	K5	..	30.7	+19 25	12.2	Fo	..	30.9	+10 36	10.4	F2	..	31.1	+ 8 34	10.9	Go
12	886	30.4	+ 9 28	10.8	K5	893	30.7	+18 51	10.0	Go	970	30.9	+ 6 22	10.5	K5	943	31.1	+ 7 59	10.5	K7
13	..	30.4	+ 9 0	10.9	Fo	817	30.7	+16 36	10.4	A2	978	30.9	+ 3 26	10.0	F5	945	31.1	+ 7 53	10.8	K2
14	..	30.4	+ 8 11	11.6	Ko	816	30.7	+16 29	10.5	F5	977	30.9	+ 3 5	10.4	F2	944	31.1	+ 7 20	10.6	Ko
15	941	30.4	+ 7 35	10.3	Ko	818	30.7	+16 18	10.4	A5	1054	31.0	+32 4	10.4	F8	971	31.1	+ 6 46	var.	A7
16	965	30.4	+ 6 34	10.7	Go	935	30.7	+13 8	10.9	G5	1027	31.0	+31 43	9.5	A2	..	31.1	+ 5 42	11.5	Go
17	1049	30.5	+32 41	10.1	A2	876	30.7	+11 57	11.2	Mo	1026	31.0	+31 29	10.4	Ko	..	31.1	+ 5 13	11.2	G5
18	1024	30.5	+31 15	10.2	F8	875	30.7	+11 45	11.0	K2	..	31.0	+31 3	12.0	A	..	31.1	+ 3 15	10.7	A
19	..	30.5	+30 13	11.4	A7	..	30.7	+11 36	11.2	G5	958	31.0	+30 57	9.8	G5	1120	31.2	+34 2	10.9	Fo
20	830	30.5	+28 7	11.0	B9	890	30.7	+ 9 58	10.4	F8	957	31.0	+30 36	9.8	B9	..	31.2	+32 51	12.0	A7
21	812	30.5	+27 26	10.4	Ko	..	30.7	+ 7 11	10.7	Ao	832	31.0	+28 46	11.4	K	..	31.2	+32 48	11.5	Ao
22	..	30.5	+26 40	11.0	Fo	968	30.7	+ 6 9	10.3	Fo	..	31.0	+28 0	11.0	A7	..	31.2	+30 55	11.4	Ao
23	881	30.5	+25 6	9.6	A2	..	30.7	+ 4 16	11.2	G5	815	31.0	+27 13	10.8	A3	..	31.2	+28 25	12.2	K7
24	960	30.5	+23 58	10.7	A2	974	30.7	+ 3 45	10.6	K5	..	31.0	+27 2	11.0	B8	816	31.2	+27 52	10.8	Go
25	..	30.5	+21 34	10.8	Ao	1052	30.8	+32 15	10.4	A5	871	31.0	+26 30	10.5	A	817	31.2	+27 20	11.0	K5
26	..	30.5	+20 40	10.9	A	..	30.8	+31 56	11.4	F5	889	31.0	+24 10	10.6	K2	..	31.2	+26 3	11.6	Go
27	1014	30.5	+20 30	10.0	A2	..	30.8	+31 25	10.7	A5	966	31.0	+23 6	10.4	A7	969	31.2	+23 31	10.0	A2
28	..	30.5	+17 38	11.6	A2	..	30.8	+25 39	11.0	Ao	958	31.0	+22 26	10.6	A3	905	31.2	+21 23	10.8	Go
29	957	30.5	+14 4	9.8	F5	963	30.8	+23 23	10.9	G5	..	31.0	+22 23	11.4	A	..	31.2	+20 30	11.7	A
30	874	30.5	+11 42	11.6	K2	962	30.8	+23 6	9.8	B8	..	31.0	+18 12	11.0	Ao	1019	31.2	+20 17	9.9	F8
31	967	30.5	+ 5 45	10.1	G5	..	30.8	+20 51	11.8	A	958	31.0	+17 12	10.8	K5	981	31.2	+19 4	11.1	K7
32	..	30.5	+ 4 27	11.2	K5	..	30.8	+16 26	11.2	G5	865	31.0	+15 50	11.0	Ao	..	31.2	+17 35	10.8	A3
33	..	30.6	+33 36	10.3	Go	819	30.8	+16 9	10.0	F8	..	31.0	+11 29	10.9	F2	959	31.2	+17 27	10.8	F
34	1100	30.6	+33 12	9.4	Fo	877	30.8	+11 39	11.0	Ko	824	31.0	+10 38	10.6	G5	881	31.2	+11 12	10.0	F5
35	1050	30.6	+32 15	11.0	M2	..	30.8	+ 9 56	10.4	Ao	..	31.0	+10 29	11.5	K5	..	31.2	+10 29	11.4	A5
36	..	30.6	+31 40	11.1	B8	891	30.8	+ 9 46	10.8	A2	..	31.0	+ 4 29	11.0	K2	..	31.2	+ 9 16	9.8	G5
37	..	30.6	+31 27	12.2	A	*976*	30.8	+ 4 0	9.9	Ao	984	31.0	+ 4 21	10.2	K2	1013	31.2	+ 8 52	9.8	A2
38	..	30.6	+27 45	11.7	Ko	975	30.8	+ 3 4	11.0	Mo	979	31.0	+ 3 11	9.8	Go	..	31.2	+ 8 34	11.0	K2
39	..	30.6	+26 47	11.8	A	1053	30.9	+32 11	10.0	Ko	..	31.1	+33 57	10.6	Fo	..	31.2	+ 7 30	11.5	F5
40	883	30.6	+25 57	9.7	A	..	30.9	+31 29	10.4	A2	..	31.1	+32 59	10.6	F8	986	31.2	+ 4 54	10.8	F2
41	903	30.6	+21 34	10.8	A2	956	30.9	+30 20	9.8	Go	..	31.1	+32 48	11.7	Fo	985	31.2	+ 4 39	10.5	F5
42	1015	30.6	+20 16	10.2	Go	..	30.9	+29 47	12.4	Ko	..	31.1	+32 36	12.1	K5	980	31.2	+ 3 26	10.0	Ao
43	..	30.6	+18 16	11.6	A	814	30.9	+27 10	11.3	Ao	*959*	31.1	+31 1	10.0	A2	1103	31.3	+33 54	8.5	B3
44	..	30.6	+13 6	11.0	G	..	30.9	+26 10	11.0	F8	833	31.1	+28 19	10.8	A3	..	31.3	+32 22	11.4	Go
45	..	30.6	+11 8	10.8	Ao	..	30.9	+25 39	11.2	Ao	..	31.1	+27 31	12.0	Ko	..	31.3	+32 11	11.0	Ao
46	..	30.6	+10 18	10.9	A7	888	30.9	+24 30	10.4	Ao	..	31.1	+26 51	10.4	A5	..	31.3	+31 41	11.6	A5
47	967	30.6	+ 6 58	10.5	Mo	887	30.9	+24 20	10.9	A3	872	31.1	+26 29	10.6	K2	..	31.3	+30 57	11.1	A2
48	..	30.7	+33 36	10.2	Fo	..	30.9	+24 4	10.9	A5	890	31.1	+24 55	10.0	Go	874	31.3	+26 46	11.0	Ko
49	..	30.7	+33 4	11.6	A7	964	30.9	+23 34	10.0	A5	967	31.1	+23 10	10.4	A2	873	31.3	+26 35	11.2	K7
50	1051	30.7	+32 26	12.0	Mo	965	30.9	+23 13	10.7	F5	..	31.1	+22 40	10.8	A3	*886*	31.3	+26 1	10.2	A2

$+3°.0$ to $+34°.0$

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245500 — $5^h\ 31^m.3$ to $5^h\ 32^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	970	31.3	+23 15	10.8	A2	..	31.5	+16 34	11.5	F8	835	31.8	+28 57	11.0	B9	985	32.0	+ 3 57	11.0	F5
2	..	31.3	+22 43	11.2	A	..	31.5	+11 41	10.9	F5	819	31.8	+27 44	10.0	A2	..	32.1	+32 16	11.7	A
3	960	31.3	+22 24	10.2	F5	827	31.5	+10 24	10.5	M4	..	31.8	+27 23	11.6	F8	..	32.1	+31 59	11.0	A5
4	982	31.3	+19 52	10.7	Go	948	31.5	+ 7 4	10.7	Ko	890	31.8	+25 33	9.4	Ao	962	32.1	+30 54	9.4	B8
5	983	31.3	+19 10	9.9	F2	..	31.5	+ 6 37	11.6	Ko	..	31.8	+19 53	11.0	Ao	..	32.1	+29 15	11.2	Fo
6	896	31.3	+18 57	9.8	Fo	988	31.5	+ 4 28	10.4	A5	..	31.8	+17 3	11.4	A	..	32.1	+26 41	11.6	A
7	..	31.3	+18 48	10.8	Go	..	31.5	+ 3 44	10.8	A2	870	31.8	+15 40	10.3	F2	1022	32.1	+20 19	10.2	Fo
8	895	31.3	+18 27	11.4	K5	1031	31.6	+31 6	10.2	F2	939	31.8	+13 59	9.8	Go	989	32.1	+19 37	10.3	A7
9	962	31.3	+17 23	11.0	A	960	31.6	+30 50	10.8	Mo	941	31.8	+13 30	11.0	A	988	32.1	+19 23	10.8	A3
10	961	31.3	+17 16	9.8	Ko	..	31.6	+29 54	12.0	Ko	..	31.8	+13 9	11.2	F8	899	32.1	+18 29	11.6	Mo
11	823	31.3	+16 15	9.7	A5	877	31.6	+26 40	11.0	G5	940	31.8	+13 3	10.2	Ao	838	32.1	+12 28	10.1	K2
12	960	31.3	+14 36	11.7	G5	887	31.6	+25 45	10.8	K5	..	31.8	+12 16	11.4	A	831	32.1	+10 25	10.6	G5
13	832	31.3	+12 16	10.6	A7	..	31.6	+22 56	10.7	A7	836	31.8	+12 12	10.6	Mo	901	32.1	+ 9 54	9.8	F8
14	882	31.3	+11 16	9.9	Fo	962	31.6	+22 40	9.4	F8	830	31.8	+10 59	10.3	Go	..	32.1	+ 8 33	10.8	K7
15	..	31.3	+10 25	11.8	A	..	31.6	+20 54	11.4	Ao	969	31.8	+ 5 20	10.8	Ko	..	32.2	+31 39	11.2	K2
16	825	31.3	+10 8	11.8	Mo	867	31.6	+15 24	9.4	A3	..	31.8	+ 3 35	11.2	K7	..	32.2	+30 56	11.6	F5
17	946	31.3	+ 7 37	10.7	F2	938	31.6	+13 31	10.0	G5	1105	31.9	+33 51	10.2	B8	..	32.2	+30 54	11.6	Go
18	982	31.3	+ 3 20	10.4	G5	..	31.6	+11 33	10.6	Ao	..	31.9	+32 22	10.4	A2	..	32.2	+29 30	11.4	A5
19	981	31.3	+ 3 15	9.8	Ao	829	31.6	+10 54	10.4	G5	..	31.9	+31 59	11.4	A2	944	32.2	+29 24	11.0	Fo
20	1029	31.4	+31 57	10.8	Ao	..	31.6	+ 9 43	10.8	G5	..	31.9	+31 49	11.1	F8	..	32.2	+26 52	11.2	A3
21	1028	31.4	+31 26	11.2	Ko	..	31.6	+ 8 49	10.8	G5	..	31.9	+28 3	11.2	A	880	32.2	+26 4	10.6	Ko
22	..	31.4	+28 1	11.0	A5	..	31.6	+ 7 9	11.0	Ao	..	31.9	+27 31	11.5	Ao	977	32.2	+23 55	9.9	A2
23	818	31.4	+27 13	8.9	B8	..	31.6	+ 5 5	10.9	Fo	..	31.9	+22 4	11.5	A2	1023	32.2	+20 30	10.4	A2
24	875	31.4	+26 42	9.8	Go	983	31.6	+ 3 58	9.4	A7	909	31.9	+21 50	10.4	K5	825	32.2	+16 41	11.5	A
25	*892*	31.4	+25 1	10.1	A2	..	31.7	+33 32	11.4	F8	..	31.9	+21 28	11.0	G	..	32.2	+16 24	11.4	A5
26	893	31.4	+24 24	10.7	A2	..	31.7	+32 57	11.7	A2	..	31.9	+19 40	10.7	Go	..	32.2	+11 46	10.8	A5
27	971	31.4	+23 43	10.2	Go	..	31.7	+32 53	11.2	G5	965	31.9	+17 38	9.8	Ao	..	32.2	+ 7 24	11.0	A7
28	..	31.4	+23 24	10.8	A3	1032	31.7	+31 58	10.4	Go	..	31.9	+14 52	12.0	K	..	32.2	+ 5 4	11.5	Go
29	972	31.4	+23 10	11.1	A	..	31.7	+30 56	11.5	F8	942	31.9	+13 40	11.1	Go	..	32.2	+ 4 25	10.6	F5
30	..	31.4	+22 56	11.5	G	834	31.7	+28 55	12.2	K5	..	31.9	+13 29	11.2	G5	986	32.2	+ 3 30	9.5	B9
31	906	31.4	+21 42	9.6	B8	888	31.7	+25 57	9.4	Go	..	31.9	+11 38	10.8	Ao	..	32.3	+33 43	10.7	B
32	..	31.4	+21 26	11.1	Ao	894	31.7	+24 10	10.9	Mo	899	31.9	+ 9 43	10.5	Go	..	32.3	+32 27	11.6	F8
33	897	31.4	+18 15	11.8	K5	..	31.7	+22 53	11.4	F5	973	31.9	+ 6 39	10.3	G5	..	32.3	+31 36	12.0	K
34	963	31.4	+17 58	10.2	Ao	1021	31.7	+20 24	10.0	B9	970	31.9	+ 5 38	10.3	A2	964	32.3	+30 9	9.4	F5
35	..	31.4	+17 7	10.4	A2	987	31.7	+19 53	10.8	Go	984	31.9	+ 3 33	11.0	K7	..	32.3	+29 44	12.0	G5
36	937	31.4	+13 17	11.0	A2	898	31.7	+18 31	10.6	A2	..	32.0	+33 31	10.9	B8	*820*	32.3	+28 1	10.9	K7
37	947	31.4	+ 7 43	10.1	A7	835	31.7	+12 24	11.6	Ko	1106	32.0	+33 13	9.2	B3	821	32.3	+27 18	10.3	B8
38	..	31.4	+ 7 30	11.4	G5	..	31.7	+10 59	10.8	K7	..	32.0	+30 45	11.8	Go	..	32.3	+26 52	11.3	F8
39	987	31.4	+ 4 50	11.8	K5	950	31.7	+ 7 55	10.4	Ao	878	32.0	+26 15	10.4	A	881	32.3	+26 16	10.6	A
40	1055	31.5	+32 13	10.6	Go	..	31.7	+ 6 58	11.0	Ao	..	32.0	+21 55	10.9	Ao	..	32.3	+25 52	11.0	B8
41	..	31.5	+31 34	11.5	A	972	31.7	+ 6 30	10.6	Ko	..	32.0	+21 52	11.5	A	967	32.3	+22 38	10.5	Ko
42	..	31.5	+31 31	12.0	G	..	31.7	+ 5 15	11.4	Ko	911	32.0	+21 37	11.0	F	966	32.3	+22 6	11.1	A
43	..	31.5	+30 47	10.4	Ao	1104	31.8	+33 28	10.4	Mo	910	32.0	+21 8	11.0	K5	1024	32.3	+20 56	11.5	A
44	..	31.5	+30 41	11.7	A3	1057	31.8	+32 51	9.9	B9	..	32.0	+17 24	11.1	A	873	32.3	+15 7	9.6	Go
45	973	31.5	+23 5	9.7	B8	1056	31.8	+32 48	9.8	B8	943	32.0	+13 51	10.8	Go	962	32.3	+14 55	10.2	F8
46	974	31.5	+23 5	9.9	B8	1033	31.8	+31 59	11.0	G5	837	32.0	+12 33	10.3	Ko	961	32.3	+14 18	10.7	G5
47	961	31.5	+22 54	10.4	Mo	961	31.8	+30 32	10.2	F2	..	32.0	+ 8 44	11.6	K7	..	32.3	+14 12	10.8	F8
48	907	31.5	+21 9	10.4	Go	..	31.8	+29 42	12.5	F8	1017	32.0	+ 8 20	9.8	A5	..	32.3	+ 9 6	10.8	Ko
49	1020	31.5	+20 41	10.9	Go	942	31.8	+29 20	11.2	A5	..	32.0	+ 5 18	10.4	F2	1018	32.3	+ 8 17	10.4	F8
50	..	31.5	+17 14	11.2	K5	943	31.8	+29 2	11.1	Ao	..	32.0	+ 4 36	11.6	G5	..	32.3	+ 7 31	10.8	Ao

$+3°.0$ to $+34°.0$

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245700 $5^h\ 32^m.3$ to $5^h\ 33^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	990	32.3	+ 4 9	11.1	K2	901	32.6	+24 14	10.8	A2	..	32.8	+ 6 33	11.2	A7	..	33.0	+21 24	10.8	A3
2	1108	32.4	+33 34	9.8	F8	..	32.6	+22 55	11.2	A5	..	32.8	+ 6 2	11.0	A2	831	33.0	+16 54	10.8	Mo
3	1107	32.4	+33 21	10.4	F8	..	32.6	+19 53	11.5	A	972	32.8	+ 5 54	9.7	G5	968	33.0	+14 50	11.1	K5
4	..	32.4	+32 55	11.6	Ao	992	32.6	+19 22	10.0	Ao	1111	32.9	+33 46	9.6	B3	948	33.0	+13 29	10.9	K2
5	..	32.4	+31 5	10.4	B8	902	32.6	+18 17	9.7	Ao	1110	32.9	+33 32	8.8	A5	947	33.0	+13 8	10.4	F2
6	1034	32.4	+31 2	10.6	B9	828	32.6	+16 42	11.0	G5	..	32.9	+33 13	10.4	A3	847	33.0	+12 47	11.0	Ko
7	965	32.4	+30 35	10.4	A7	841	32.6	+12 47	10.6	G	..	32.9	+32 48	10.7	A5	844	33.0	+12 27	10.8	A
8	945	32.4	+29 10	10.5	A5	..	32.6	+12 37	11.2	A	..	32.9	+32 18	11.8	A5		33.0	+12 27	11.0	K5
9	822	32.4	+27 57	10.8	Ko	1020	32.6	+ 8 8	11.1	Ko	..	32.9	+32 3	11.3	K2	846	33.0	+12 25	10.5	K2
10	897	32.4	+24 56	11.0	Go	..	32.6	+ 6 39	11.8	G5	..	32.9	+31 35	11.3	Ko	..	33.0	+11 20	10.8	K5
11	968	32.4	+22 21	11.5	K7	976	32.6	+ 6 13	9.9	Go	967	32.9	+30 59	10.2	G5	834	33.0	+10 12	10.6	Go
12	915	32.4	+21 42	10.0	Ao	988	32.6	+ 3 16	9.6	F8	..	32.9	+30 41	11.8	A7	..	33.0	+ 9 20	10.8	K7
13	914	32.4	+21 33	10.0	B9	..	32.6	+ 3 2	11.0	A3	824	32.9	+27 50	10.8	K2	978	33.0	+ 6 33	11.0	K2
14	900	32.4	+18 37	10.0	A2	1036	32.7	+31 27	11.0	Go	825	32.9	+27 27	10.4	G5	979	33.0	+ 6 6	10.2	A7
15	*826*	32.4	+17 0	11.1	F5	1037	32.7	+31 22	11.0	F8		32.9	+27 27		A2	..	33.1	+33 16	10.4	A3
16	827	32.4	+16 55	9.6	F8	..	32.7	+31 16	10.9	Fo	885	32.9	+26 19	10.8	A	..	33.1	+32 42	11.6	Go
17	874	32.4	+15 32	9.4	F2	837	32.7	+28 35	10.5	Go		32.9	+26 19	10.2	A	..	33.1	+30 52	11.6	A5
18	839	32.4	+12 6	9.8	F2	..	32.7	+27 41	11.2	B9	895	32.9	+25 54	11.4	F8	..	33.1	+30 45	12.4	G
19	887	32.4	+11 46	10.5	F8	..	32.7	+26 22	11.4	A	896	32.9	+25 33	10.3	A3	969	33.1	+30 5	10.2	F8
20	..	32.4	+11 9	10.9	Ko	883	32.7	+26 16	9.2	Bo	902	32.9	+24 57	9.9	A2	..	33.1	+29 24	12.5	F
21	904	32.4	+ 9 8	9.0	F5	1027	32.7	+20 12	11.2	K5	916	32.9	+21 36	9.9	B9	886	33.1	+26 52	11.2	K5
22	991	32.4	+ 4 37	9.5	A3	993	32.7	+19 56	10.9	K5	*1028*	32.9	+21 2	10.4	A7	..	33.1	+26 49	11.4	F5
23	..	32.5	+33 39	11.2	Ao	968	32.7	+17 43	10.0	Ao	904	32.9	+18 36	9.6	B8	973	33.1	+22 9	11.2	A
24	..	32.5	+33 13	11.4	Go	875	32.7	+15 36	10.4	Go	946	32.9	+13 26	10.1	A3	972	33.1	+22 5	10.6	Go
25	1060	32.5	+32 35	11.0	Ao	966	32.7	+14 58	10.7	Go	..	32.9	+12 44	11.4	Ao	997	33.1	+19 58	10.0	F8
26	..	32.5	+32 11	10.4	A2	889	32.7	+11 54	10.4	A5	891	32.9	+11 32	10.6	A2	..	33.1	+13 15	11.5	A5
27	1035	32.5	+31 19	10.3	K5	888	32.7	+11 31	11.0	K7	833	32.9	+10 10	10.8	G5	892	33.1	+11 14	9.9	A2
28	..	32.5	+31 11	11.0	Ao	977	32.7	+ 6 29	10.6	A3	1021	32.9	+ 8 41	10.6	F5	..	33.1	+ 7 49	12.2	K7
29	946	32.5	+29 42	10.4	B8	..	32.7	+ 5 20	11.0	F2	1023	32.9	+ 8 36	10.7	F8	..	33.1	+ 7 25	10.0	A5
30	..	32.5	+27 41	11.2	B9	*993*	32.7	+ 5 0	10.6	Go	..	32.9	+ 3 16	11.2	G	..	33.1	+ 5 27	10.8	F8
31	882	32.5	+26 42	9.4	B5	994	32.7	+ 4 56	10.7	G5	1112	33.0	+33 56	10.6	Ko	990	33.1	+ 3 30	10.8	G5
32	979	32.5	+23 23	10.9	A5	1109	32.8	+33 11	9.6	A2	1113	33.0	+33 34	8.5	Fo	989	33.1	+ 3 22	11.0	F8
33	..	32.5	+21 32	10.8	Ao	..	32.8	+32 43	10.4	B9	..	33.0	+32 40	11.8	K5	..	33.2	+32 57	11.7	A3
34	1025	32.5	+20 36	11.1	Ko	..	32.8	+32 12	11.6	A	1039	33.0	+31 42	10.6	Go	840	33.2	+28 16	11.0	G5
35	901	32.5	+18 4	9.6	F8	1038	32.8	+31 49	10.0	Fo	..	33.0	+31 40	11.4	K5	827	33.2	+27 45	11.1	K5
36	..	32.5	+17 58	10.6	Ko	..	32.8	+29 0	11.2	Fo	..	33.0	+29 50	11.7	G	..	33.2	+27 20	11.6	F5
37	967	32.5	+17 12	10.8	Mo	823	32.8	+27 57	10.6	K5	948	33.0	+29 28	11.1	Fo	899	33.2	+25 26	10.1	Ao
38	964	32.5	+14 39	9.6	A7	..	32.8	+27 16	11.5	F8	..	33.0	+29 11	10.9	Ao	983	33.2	+23 25	10.6	Ao
39	..	32.5	+13 54	10.8	Ao	..	32.8	+24 46	10.7	Ao	839	33.0	+28 36	10.8	A2	..	33.2	+21 14	11.3	G
40	944	32.5	+13 10	11.1	Go	994	32.8	+19 59	10.0	Go	838	33.0	+28 28	10.1	B9	..	33.2	+15 43	11.2	F8
41	..	32.5	+ 9 18	10.6	A5	995	32.8	+19 22	10.9	Ao	..	33.0	+27 5	11.2	G	..	33.2	+15 27	12.0	G5
42	905	32.5	+ 9 13	10.4	K5	996	32.8	+19 13	10.8	F2	..	33.0	+26 27	10.8	F8	969	33.2	+14 54	10.2	Go
43	..	32.5	+ 9 6	10.8	G5	903	32.8	+18 42	9.8	A2	..	33.0	+25 54	11.0	F5	949	33.2	+13 47	10.5	Go
44	..	32.5	+ 6 49	11.4	F	829	32.8	+16 44	11.1	K5	898	33.0	+25 30	10.2	Ao	..	33.2	+12 40	11.4	A
45	..	32.5	+ 5 30	10.7	Go	830	32.8	+16 24	10.6	F5	897	33.0	+25 15	11.0	Fo	893	33.2	+11 4	10.8	Ao
46	..	32.5	+ 3 46	11.1	Ao	876	32.8	+15 8	10.0	G5	903	33.0	+24 56	10.8	A	974	33.2	+ 5 12	11.2	K5
47	..	32.6	+32 51	11.4	B9	890	32.8	+11 20	10.1	Go	904	33.0	+24 20	10.4	A3	996	33.2	+ 4 11	9.8	A5
48	..	32.6	+29 27	11.2	G5	832	32.8	+10 10	10.2	A2	970	33.0	+22 37	11.0	Ao	*992*	33.2	+ 4 1	9.8	K5
49	..	32.6	+28 28	11.0	A5	1022	32.8	+ 8 22	10.4	K5	..	33.0	+22 17	10.8	F5	..	33.3	+32 40	11.7	G
50	894	32.6	+25 2	10.6	F2	..	32.8	+ 8 7	11.0	K5	969	33.0	+22 6	9.4	A3	..	33.3	+32 0	11.6	F

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	33.3	+30 41	11.8	G	..	33.6	+26 43	11.7	Ko	998	33.8	+ 4 5	9.4	K7	906	34.1	+25 46	11.0	A5
2	..	33.3	+29 31	12.2	A	903	33.6	+25 33	9.9	Go	..	33.9	+31 56	11.6	K5	905	34.1	+25 12	10.2	A3
3	..	33.3	+28 30	11.2	Fo	..	33.6	+22 13	10.8	B8	..	33.9	+30 47	11.2	F2	991	34.1	+23 21	11.0	K5
4	..	33.3	+27 28	12.2	M	1031	33.6	+20 58	10.0	B9	972	33.9	+30 30	11.0	Mo	979	34.1	+22 46	10.0	Go
5	888	33.3	+26 32	10.6	Fo	1030	33.6	+20 44	10.3	A5	842	33.9	+28 56	10.8	A2	921	34.1	+21 26	10.2	A5
6	887	33.3	+26 16	10.7	A5	..	33.6	+17 44	10.9	Ao	..	33.9	+28 51	12.0	A	1003	34.1	+19 20	9.6	Fo
7	900	33.3	+25 22	10.6	Ko	832	33.6	+16 33	9.8	A3	844	33.9	+28 45	10.9	Go	..	34.1	+16 11	10.5	F8
8	999	33.3	+19 44	11.0	A3	..	33.6	+13 28	11.4	G5	..	33.9	+22 10	11.8	A	882	34.1	+15 33	11.3	K5
9	906	33.3	+18 53	9.4	B5	..	33.6	+11 6	10.8	K2	..	33.9	+21 27	11.4	A	881	34.1	+15 25	10.9	K5
10	970	33.3	+14 47	9.3	Fo	..	33.6	+10 22	10.6	G5	920	33.9	+21 3	11.1	K2	977	34.1	+14 34	10.8	A2
11	971	33.3	+14 25	10.4	A7	..	33.6	+ 8 8	10.4	Go	909	33.9	+18 19	10.8	K5	..	34.1	+13 16	11.6	G5
12	835	33.3	+10 46	9.4	Ao	959	33.6	+ 7 52	10.8	Ko	851	33.9	+12 48	10.6	F8	839	34.1	+10 44	10.6	K7
13	908	33.3	+ 9 57	10.6	Ao	..	33.6	+ 7 43	11.0	F8	913	33.9	+ 9 15	9.7	F5	..	34.1	+ 8 52	9.7	A7
14	1026	33.3	+ 8 35	11.2	Ko	976	33.6	+ 5 54	10.0	Fo	912	33.9	+ 9 7	10.2	A3	..	34.1	+ 8 5	11.8	K5
15	975	33.3	+ 5 36	11.6	Ko	977	33.6	+ 5 25	9.8	F5	1027	33.9	+ 8 56	10.2	A2	..	34.1	+ 7 39	11.6	G5
16	1114	33.4	+33 48	10.2	B9	979	33.6	+ 5 15	9.7	F2	1028	33.9	+ 8 14	10.0	Go	981	34.1	+ 5 16	9.8	Fo
17	..	33.4	+32 43	10.6	A3	..	33.7	+34 3	10.4	B	963	33.9	+ 7 37	10.2	Go	996	34.1	+ 3 55	10.8	Go
18	..	33.4	+31 57	11.1	A2	..	33.7	+32 15	11.4	A7	962	33.9	+ 7 22	9.8	Go	..	34.2	+33 18	11.4	F8
19	1041	33.4	+31 37	11.5	G5	1045	33.7	+31 53	11.0	Ao	983	33.9	+ 6 22	10.3	F5	1063	34.2	+32 53	10.0	Go
20	..	33.4	+31 2	11.7	A		33.7	+31 53	10.9	Go	1001	33.9	+ 4 13	9.7	A7	1050	34.2	+31 50	8.8	B5
21	..	33.4	+30 57	11.2	Fo	1044	33.7	+31 19	9.3	B3	1118	34.0	+33 8	9.9	B9	..	34.2	+31 44	11.2	Go
22	889	33.4	+26 57	10.2	A3	971	33.7	+30 11	9.6	A5	..	34.0	+31 53	11.2	A	..	34.2	+30 52	11.5	F8
23	901	33.4	+25 16	10.3	Mo	950	33.7	+29 36	12.1	K2	..	34.0	+30 55	11.0	A7	974	34.2	+30 16	11.0	F2
24	984	33.4	+23 3	10.2	G5	890	33.7	+26 41	9.8	A5	..	34.0	+30 25	12.2	G5	..	34.2	+28 47	10.9	B8
25	..	33.4	+21 58	11.3	A	904	33.7	+25 53	11.2	F8	..	34.0	+30 18	11.4	Go	..	34.2	+28 31	12.2	A
26	..	33.4	+16 1	11.4	F8	986	33.7	+23 38	10.4	Ko	845	34.0	+28 6	10.8	A3	..	34.2	+28 22	12.1	A
27	972	33.4	+14 15	10.6	Ko	1032	33.7	+20 24	11.0	Go	..	34.0	+27 23	10.4	A5	831	34.2	+27 51	9.8	A2
28	849	33.4	+12 58	10.8	K5	974	33.7	+14 21	12.0	K2	..	34.0	+26 51	11.8	G5	..	34.2	+27 49	11.4	A5
29	894	33.4	+11 36	10.5	F8	895	33.7	+11 10	9.6	Go	..	34.0	+26 36	11.6	A2	908	34.2	+25 58	9.6	B8
30	836	33.4	+10 28	10.4	Ko	911	33.7	+ 9 52	10.2	G5	989	34.0	+23 57	11.1	K7	912	34.2	+24 28	9.9	F2
31	957	33.4	+ 7 40	10.7	Go	..	33.7	+ 9 19	12.0	K5	977	34.0	+22 45	10.6	A2	..	34.2	+23 43	10.8	Ao
32	980	33.4	+ 6 21	9.9	Fo	..	33.7	+ 8 55	10.8	G5	976	34.0	+22 42	10.2	Ao	1034	34.2	+20 26	10.7	K7
33	..	33.4	+ 3 14	11.4	F8	980	33.7	+ 5 12	10.4	F2	978	34.0	+22 29	9.4	A3	1035	34.2	+20 25	10.0	B8
34	..	33.5	+31 8	11.5	A7	1116	33.8	+33 16	10.0	B9	..	34.0	+20 57	11.4	A	..	34.2	+16 19	11.4	Ao
35	..	33.5	+30 11	11.1	A5	..	33.8	+32 57	11.4	A7	910	34.0	+18 23	10.4	Ko	884	34.2	+15 36	10.8	A2
36	829	33.5	+27 5	11.0	F5	1061	33.8	+32 31	8.9	F5	..	34.0	+15 40	11.4	A	883	34.2	+15 2	11.0	Go
37	985	33.5	+23 32	10.2	A7	..	33.8	+31 41	12.0	Go	880	34.0	+15 15	10.2	Ko	900	34.2	+11 22	10.1	Go
38	..	33.5	+22 36	10.9	Ao	843	33.8	+28 26	10.6	Ao	976	34.0	+14 48	10.7	Fo	1030	34.2	+ 8 48	10.2	A5
39	919	33.5	+21 56	10.8	G5	892	33.8	+26 51	10.3	A3	..	34.0	+14 25	11.1	Ao	..	34.2	+ 8 33	10.9	A3
40	972	33.5	+17 42	10.7	K7	891	33.8	+26 19	10.6	A2	..	34.0	+12 19	11.6	A	965	34.2	+ 7 59	10.5	Ao
41	950	33.5	+13 31	11.6	Ko	908	33.8	+24 29	10.6	A3	..	34.0	+11 19	10.8	G5	..	34.2	+ 7 11	11.8	K5
42	837	33.5	+10 54	10.7	F5	987	33.8	+23 10	10.2	K2	..	34.0	+10 16	10.8	F8	987	34.2	+ 6 57	10.4	F8
43	..	33.5	+ 8 38	11.3	Ao	1033	33.8	+20 22	10.0	A3	..	34.0	+ 9 59	10.8	Ko	..	34.2	+ 6 28	11.2	Go
44	997	33.5	+ 4 49	10.6	Ko	..	33.8	+16 44	11.3	A5	964	34.0	+ 7 32	10.4	Go	..	34.3	+30 27	11.6	F8
45	..	33.6	+33 47	11.3	Go	879	33.8	+15 32	10.5	F8	995	34.0	+ 3 45	11.0	F2	..	34.3	+30 17	10.8	A3
46	1115	33.6	+33 12	10.0	F8	897	33.8	+11 59	9.4	F2	..	34.0	+ 3 30	10.8	G5	..	34.3	+30 8	11.1	A5
47	..	33.6	+32 43	12.2	F	..	33.8	+ 7 45	11.0	Go	1062	34.1	+32 4	9.2	B9	951	34.3	+29 3	11.1	Go
48	841	33.6	+28 33	11.2	Go	961	33.8	+ 7 23	10.0	F5	973	34.1	+30 28	10.8	A3	894	34.3	+26 11	11.0	F2
49	..	33.6	+28 0	11.7	A	981	33.8	+ 6 40	11.3	A5	..	34.1	+27 46	11.8	K7	909	34.3	+25 57	9.4	Fo
50	830	33.6	+27 26	9.7	B3	999	33.8	+ 4 38	11.0	K7	893	34.1	+26 58	11.4	G5	980	34.3	+22 9	9.7	B9

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	34.3	+17 31	10.8	G	980	34.6	+14 57	12.0	K5	1039	34.9	+20 57	11.5	A	..	35.2	+31 59	11.9	A
2	834	34.3	+16 47	11.2	A3	979	34.6	+14 38	10.4	F5	..	34.9	+17 50	10.6	F	..	35.2	+27 52	11.0	F8
3	..	34.3	+15 36	11.0	Ao	..	34.6	+11 46	12.0	A	..	34.9	+17 9	10.8	Go	838	35.2	+27 38	10.3	F5
4	..	34.3	+ 8 8	11.4	G5	919	34.6	+ 9 36	10.4	F8	837	34.9	+16 54	9.2	Ao	837	35.2	+27 36	9.0	Fo
5	..	34.3	+ 7 58	10.7	Ao	968	34.6	+ 7 6	9.7	G5	838	34.9	+16 49	9.8	Fo	915	35.2	+25 28	10.4	Ao
6	1119	34.4	+33 54	8.8	B5	984	34.6	+ 5 10	9.8	F8	..	34.9	+16 25	11.4	G5	1004	35.2	+23 55	11.4	K
7	1052	34.4	+31 46	11.1	G5	999	34.6	+ 3 41	10.7	Fo	888	34.9	+15 3	8.8	Ao	1003	35.2	+23 18	10.3	A2
8	1051	34.4	+31 20	9.2	Ao	998	34.6	+ 3 38	11.0	Ao	981	34.9	+14 46	9.4	Fo	986	35.2	+22 10	10.4	Ao
9	..	34.4	+28 43	11.1	A3	..	34.7	+33 29	10.8	Fo	903	34.9	+11 49	9.1	F5	..	35.2	+20 40	10.9	A
10	898	34.4	+26 35	10.2	Ao	..	34.7	+32 44	10.6	A5	843	34.9	+10 4	12.2	K7	1012	35.2	+19 51	11.0	G
11	992	34.4	+23 57	10.4	Ao	..	34.7	+29 57	12.2	G5	..	34.9	+ 9 28	10.4	F5	..	35.2	+17 19	11.0	F8
12	994	34.4	+23 56	10.4	Go	847	34.7	+28 3	11.2	M3	1034	34.9	+ 8 14	10.4	Go	893	35.2	+15 59	9.5	Ko
13	981	34.4	+22 15	10.4	K2	835	34.7	+27 38	10.6	Ko	989	34.9	+ 6 28	11.3	K7	..	35.2	+14 18	11.1	Ao
14	924	34.4	+21 41	10.2	Ko	834	34.7	+27 23	10.2	Go	1001	34.9	+ 3 38	10.4	K5	..	35.2	+11 17	11.9	A
15	..	34.4	+21 2	10.9	Ao	911	34.7	+25 50	10.4	K2	..	35.0	+26 30	11.2	Fo	..	35.2	+11 1	10.8	A
16	1005	34.4	+19 24	12.0	K	912	34.7	+25 10	10.9	K2	914	35.0	+25 4	11.4	A	..	35.2	+ 7 29	10.9	A2
17	..	34.4	+18 13	11.1	K2	..	34.7	+22 44	11.3	A2	917	35.0	+24 50	10.8	Ko	993	35.2	+ 6 46	10.0	F2
18	..	34.4	+14 33	12.1	K2	1008	34.7	+19 22	10.0	Fo	1001	35.0	+23 28	10.7	G5	1005	35.2	+ 4 57	9.5	F5
19	..	34.4	+ 9 54	11.2	K2	1007	34.7	+19 3	10.6	F8	..	35.0	+22 32	11.4	A	1006	35.2	+ 4 30	10.9	F8
20	983	34.4	+ 5 18	10.2	Go	..	34.7	+18 7	10.4	Ao	889	35.0	+15 51	11.2	Go	..	35.2	+ 3 57	12.0	G5
21	..	34.5	+32 31	11.1	Ao	..	34.7	+15 24	10.8	A3	..	35.0	+15 35	11.6	Ko	..	35.3	+33 57	10.7	Ao
22	..	34.5	+31 33	11.6	A5	..	34.7	+ 7 17	11.4	Ko	..	35.0	+15 3	11.1	Go	..	35.3	+32 49	11.6	Mo
23	1053	34.5	+31 15	10.9	K7	..	34.7	+ 4 16	11.0	Go	951	35.0	+13 57	10.8	G5	1057	35.3	+31 10	10.3	A2
24	..	34.5	+31 14	10.8	A2	..	34.7	+ 4 2	12.1	K5	904	35.0	+11 43	9.8	A5	..	35.3	+26 59	11.9	K
25	..	34.5	+31 3	11.3	Ko	..	34.8	+33 4	11.0	Go	..	35.0	+10 21	11.7	G	..	35.3	+26 24	12.0	Ko
26	975	34.5	+30 36	11.7	G	..	34.8	+32 21	11.2	A3	..	35.0	+ 9 49	11.6	G5	..	35.3	+25 57	11.0	Ao
27	..	34.5	+28 29	11.0	B9	1055	34.8	+31 25	10.1	F5	..	35.0	+ 9 39	11.8	M	..	35.3	+24 28	11.5	F
28	899	34.5	+26 57	9.4	Go	848	34.8	+28 10	10.6	F2	1036	35.0	+ 8 19	11.0	K7	929	35.3	+21 52	10.8	A2
29	..	34.5	+26 33	11.0	Fo	836	34.8	+27 24	9.8	A2	..	35.0	+ 7 52	10.8	G5	1046	35.3	+20 45	10.8	Ao
30	916	34.5	+24 44	11.4	K2	..	34.8	+24 50	11.3	A	991	35.0	+ 6 42	10.0	Fo	1013	35.3	+19 17	11.0	K2
31	995	34.5	+23 18	11.3	G	..	34.8	+23 47	11.4	A	1121	35.1	+33 56	10.1	B9	..	35.3	+19 12	10.9	A
32	853	34.5	+12 8	10.5	G5	..	34.8	+22 10	11.0	Ao	..	35.1	+32 51	11.3	F8	912	35.3	+18 23	10.0	A7
33	917	34.5	+10 2	10.9	Ko	925	34.8	+21 56	9.8	Ao	1002	35.1	+23 48	11.3	F	..	35.3	+15 25	10.7	F8
34	916	34.5	+ 9 39	11.0	Mo	836	34.8	+16 14	11.6	Mo	985	35.1	+22 42	10.8	F2	..	35.3	+14 52	10.9	F8
35	..	34.5	+ 9 34	11.6	K7	856	34.8	+12 39	10.9	G5	984	35.1	+22 37	10.7	Go	..	35.3	+ 7 37	11.6	G
36	1033	34.5	+ 8 5	10.8	F8	842	34.8	+10 41	10.5	Ko	927	35.1	+21 46	10.2	A3	..	35.3	+ 7 18	11.4	Go
37	988	34.5	+ 6 21	10.2	F8	..	34.8	+10 22	10.9	A5	926	35.1	+21 37	10.3	Go	994	35.3	+ 6 54	10.6	A2
38	..	34.5	+ 5 27	11.1	A7	..	34.8	+ 7 57	11.4	Ko	1040	35.1	+20 50	11.6	A	..	35.3	+ 4 33	11.0	A2
39	1065	34.6	+32 41	9.4	B8	969	34.8	+ 7 35	10.8	G	1042	35.1	+20 48	10.6	Ao	1067	35.4	+32 26	9.6	A3
40	..	34.6	+32 20	11.0	K5	970	34.8	+ 7 7	10.6	G5	1011	35.1	+19 51	10.8	G	..	35.4	+32 18	11.6	A2
41	1054	34.6	+31 37	11.2	G5	..	34.8	+ 6 59	11.4	G5	890	35.1	+15 20	10.8	F2	..	35.4	+31 56	11.9	A
42	..	34.6	+31 1	10.8	F2	..	34.8	+ 6 58	11.0	Go	892	35.1	+15 14	10.6	G5	955	35.4	+29 40	9.6	B5
43	..	34.6	+29 43	12.4	F8	..	34.8	+ 5 32	10.8	G5	891	35.1	+15 3	10.4	Ko	956	35.4	+29 8	10.5	A2
44	952	34.6	+29 2	9.5	Go	1000	34.8	+ 3 13	11.4	F	..	35.1	+13 26	12.0	Go	850	35.4	+28 5	10.1	G5
45	..	34.6	+28 38	11.2	Ao	..	34.9	+33 35	11.0	F5	844	35.1	+10 37	11.6	K5	..	35.4	+25 57	11.8	B9
46	900	34.6	+26 8	10.8	G5	..	34.9	+32 26	11.4	Go	..	35.1	+10 9	10.7	Ao	917	35.4	+25 46	12.1	Mo
47	997	34.6	+23 46	11.0	Ao	901	34.9	+26 5	9.0	Fo	1035	35.1	+ 8 40	10.9	G5	..	35.4	+25 0	11.6	A
48	998	34.6	+23 28	10.3	Ao	913	34.9	+25 47	10.4	Ao	992	35.1	+ 6 55	11.0	K5	987	35.4	+22 59	11.6	K
49	1006	34.6	+19 10	11.0	K2	999	34.9	+23 19	10.4	F5	1004	35.1	+ 4 20	10.6	F8	845	35.4	+10 12	10.9	Ko
50	886	34.6	+15 30	9.4	Go	983	34.9	+22 14	10.6	K2	..	35.2	+33 37	10.9	Fo	972	35.4	+ 7 59	10.8	Ko

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246300 — 5 35m.4 to 5h 36m.3

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	987	35.4	+ 5 37	11.3	K7	982	35.6	+14 30	10.7	Ko	855	35.9	+28 25	10.8	Fo	..	36.1	+17 54	10.6	A
2	1002	35.4	+ 3 11	10.6	G5	846	35.6	+10 53	10.6	F5	..	35.9	+26 44	11.7	Fo	..	36.1	+16 50	10.6	B9
3	1068	35.5	+32 43	10.2	Ao	848	35.6	+10 43	10.4	F8	934	35.9	+21 20	11.0	K5	..	36.1	+14 54	10.4	Ao
4	..	35.5	+32 42	10.8	A3	847	35.6	+10 8	10.6	K2	1025	35.9	+19 46	9.6	B9	863	36.1	+12 28	11.1	Mo
5	..	35.5	+32 23	12.0	K5	..	35.6	+ 8 49	11.6	F5	1026	35.9	+19 30	10.2	Ao	865	36.1	+12 18	9.4	Fo
6	..	35.5	+32 11	12.0	K2	1004	35.6	+ 3 28	11.0	F2	1022	35.9	+19 29	9.8	Ao	910	36.1	+11 14	10.0	G5
7	..	35.5	+31 29	12.0	F2	..	35.7	+33 49	10.9	Ao	983	35.9	+17 24	11.4	Mo	..	36.1	+10 14	11.8	K7
8	..	35.5	+31 13	11.6	A7	..	35.7	+32 55	11.2	Ao	861	35.9	+12 32	9.9	A7	..	36.1	+ 9 49	10.6	Fo
9	976	35.5	+30 59	9.9	Ao	..	35.7	+32 22	11.6	A5	849	35.9	+10 16	10.8	K7	*1040*	36.1	+ 9 0	10.3	F8
10	957	35.5	+29 17	10.6	G5	..	35.7	+31 58	12.2	K5	924	35.9	+ 9 13	10.6	Go	..	36.1	+ 8 49	11.0	G5
11	852	35.5	+28 32	11.1	F2	1058	35.7	+31 50	9.1	F8	995	35.9	+ 6 27	11.1	K2	1038	36.1	+ 8 32	10.0	F8
12	904	35.5	+26 59	9.2	G5	..	35.7	+30 45	11.1	Go	988	35.9	+ 5 40	10.5	G5	..	36.1	+ 8 16	11.3	F8
13	..	35.5	+26 21	10.6	A7	979	35.7	+30 15	9.2	F2	..	35.9	+ 4 30	11.6	A	..	36.2	+32 52	11.9	A
14	919	35.5	+25 26	9.6	Ao	..	35.7	+30 12	11.4	F8	..	36.0	+32 29	11.4	F5	965	36.2	+29 6	11.0	A5
15	919	35.5	+24 15	9.4	Fo	..	35.7	+28 33	11.4	A5	..	36.0	+32 16	12.0	A	..	36.2	+28 3	11.4	G5
16	1005	35.5	+23 36	10.2	Ko	854	35.7	+28 12	9.8	F5	982	36.0	+30 4	11.1	A2	928	36.2	+25 38	10.6	B8
17	*931*	35.5	+22 1	10.2	Ko	..	35.7	+27 48	11.1	A	963	36.0	+29 41	9.0	B5	927	36.2	+25 4	10.7	F8
18	930	35.5	+21 5	10.0	F2	..	35.7	+27 37	11.0	Ao	..	36.0	+25 47	11.1	A	..	36.2	+24 19	11.4	A2
19	..	35.5	+17 51	10.6	Go	905	35.7	+26 13	9.8	Mo	924	36.0	+25 20	11.2	K5	938	36.2	+21 20	11.0	K2
20	..	35.5	+17 33	11.1	A	*920*	35.7	+26 0	9.9	G5	921	36.0	+24 21	10.7	A2	*1029*	36.2	+20 1	11.6	K5
21	..	35.5	+16 22	10.4	A	1006	35.7	+23 23	10.2	A2	997	36.0	+22 59	10.2	B8	916	36.2	+18 52	10.8	K2
22	894	35.5	+15 42	12.0	K5	858	35.7	+12 26	10.8	F2	..	36.0	+22 0	11.5	A	..	36.2	+17 2	11.5	A
23	857	35.5	+12 35	9.6	A2	..	35.7	+12 24	10.3	Ko	1027	36.0	+19 37	10.4	K2	985	36.2	+14 46	10.3	M3
24	907	35.5	+11 26	10.2	F2	859	35.7	+12 9	10.0	F8	843	36.0	+16 16	9.4	B8	866	36.2	+12 46	11.2	G5
25	..	35.5	+10 5	11.4	G5	..	35.7	+ 8 29	11.4	Ko	898	36.0	+15 29	10.9	F8	..	36.2	+12 9	12.0	K
26	..	35.5	+10 0	11.1	A5	..	35.8	+33 13	11.4	G5	..	36.0	+15 26	11.2	G5	850	36.2	+10 30	10.4	Ko
27	..	35.5	+ 8 21	10.9	G5	..	35.8	+31 47	11.1	A3	897	36.0	+15 5	9.9	Fo	..	36.2	+10 18	10.4	F8
28	973	35.5	+ 7 42	10.5	A3	..	35.8	+31 39	12.0	A	956	36.0	+13 31	10.9	F8	851	36.2	+10 6	9.2	A2
29	1003	35.5	+ 3 48	11.0	K5	..	35.8	+31 19	11.8	Ko	862	36.0	+12 27	9.6	F2	..	36.2	+ 8 48	11.2	G
30	1122	35.6	+33 55	9.6	B9	962	35.8	+29 12	9.4	B8	..	36.0	+10 20	10.6	F8	..	36.2	+ 8 14	11.1	A5
31	1123	35.6	+33 54	9.4	Ao	840	35.8	+27 6	9.6	F8	1039	36.0	+ 8 14	10.6	Go	1042	36.2	+ 8 9	10.4	K2
32	..	35.6	+32 45	10.4	B9	..	35.8	+25 41	11.0	Fo	..	36.0	+ 6 50	12.0	K5	1126	36.3	+33 20	9.2	Ko
33	..	35.6	+32 0	11.2	Ao	922	35.8	+25 35	9.8	Ao	1006	36.0	+ 3 4	10.2	K7	..	36.3	+31 39	12.0	Ao
34	..	35.6	+31 31	12.0	Fo	921	35.8	+25 24	10.2	A	1124	36.1	+33 55	9.4	Ao	..	36.3	+31 14	10.2	A2
35	..	35.6	+30 33	11.2	Go	923	35.8	+25 16	10.2	G5	1125	36.1	+33 42	10.2	F8	..	36.3	+31 0	10.4	K2
36	977	35.6	+30 25	10.3	A5	933	35.8	+21 40	10.2	A2	..	36.1	+32 52	11.6	Ko	983	36.3	+30 43	11.0	F8
37	..	35.6	+29 37	11.4	F2	1047	35.8	+20 52	10.4	G5	1060	36.1	+31 56	9.9	Ao	..	36.3	+29 27	10.9	Ao
38	961	35.6	+29 28	8.9	B3	913	35.8	+18 21	11.6	K7	..	36.1	+30 25	11.3	A7	..	36.3	+29 13	11.4	A7
39	959	35.6	+29 25	11.9	K2	982	35.8	+17 3	10.0	F5	..	36.1	+29 53	11.0	A2	966	36.3	+29 5	10.4	A3
40	960	35.6	+29 13	8.8	Go	895	35.8	+15 20	10.5	G5	907	36.1	+26 52	9.2	F8	..	36.3	+28 49	11.4	Ko
41	851	35.6	+28 41	10.3	G5	983	35.8	+14 25	11.9	K7	..	36.1	+26 40	11.7	G5	..	36.3	+28 0	11.0	A2
42	853	35.6	+28 12	10.1	Go	984	35.8	+14 19	11.2	Mo	926	36.1	+25 45	10.2	B3	*909*	36.3	+27 2	9.0	B9
43	..	35.6	+27 52	10.8	Go	923	35.8	+ 9 54	10.4	A2		36.1	+25 45	11.0	A	929	36.3	+25 30	11.7	K
44	988	35.6	+22 9	10.9	F	1037	35.8	+ 8 28	10.9	F8	..	36.1	+25 36	11.5	A2	924	36.3	+24 18	10.5	Ao
45	..	35.6	+21 33	11.0	A5	..	35.8	+ 4 51	11.6	G5	923	36.1	+24 12	10.9	Ko	1051	36.3	+20 46	10.3	A7
46	932	35.6	+21 28	10.6	Fo	1005	35.8	+ 3 6	11.5	F8	999	36.1	+22 33	10.0	K2	1052	36.3	+20 27	11.0	A
47	..	35.6	+20 18	11.0	F	1059	35.9	+31 31	11.6	G5	..	36.1	+22 15	11.6	A	1030	36.3	+19 41	10.7	Ao
48	1017	35.6	+19 38	10.4	A2	..	35.9	+31 27	12.2	Ko	935	36.1	+21 32	10.0	A5	..	36.3	+17 14	11.6	A5
49	980	35.6	+17 24	10.0	K7	*980*	35.9	+31 2	11.8	Mo	1028	36.1	+19 38	10.0	A5	986	36.3	+14 54	10.2	Mo
50	..	35.6	+15 34	11.4	A	981	35.9	+30 34	10.2	A3	915	36.1	+18 30	11.5	M2	867	36.3	+12 42	10.3	F5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	36.3	+10 15	12.3	F5	929	36.5	+ 9 48	10.3	Fo	1071	36.8	+32 14	10.4	K5	*1039*	37.0	+20 1	9.8	Go
2	928	36.3	+ 9 41	10.4	Go	..	36.5	+ 6 46	11.3	G5	1070	36.8	+32 2	10.0	F8	1040	37.0	+19 39	11.0	Ao
3		36.3	+ 9 41	10.3	F8	..	36.5	+ 5 29	11.0	Go	..	36.8	+30 21	11.2	F5	*924*	37.0	+19 0	10.8	Ao
4	..	36.3	+ 9 25	10.7	Fo	1010	36.5	+ 4 29	9.8	F5	969	36.8	+29 54	9.0	Go	..	37.0	+18 33	11.0	A
5	1041	36.3	+ 8 40	11.2	K5	1011	36.5	+ 4 13	10.0	Fo	913	36.8	+26 4	10.5	F8	870	37.0	+12 16	9.6	F8
6	..	36.4	+32 27	11.3	F	..	36.5	+ 4 5	11.4	G5	942	36.8	+21 21	10.0	K2	..	37.0	+ 7 24	11.6	G5
7	..	36.4	+32 17	11.4	A2	1069	36.6	+32 14	9.5	A2	921	36.8	+18 59	11.1	K7	..	37.0	+ 4 47	11.6	F5
8	..	36.4	+32 2	11.2	G5	..	36.6	+31 51	11.8	A	..	36.8	+17 44	10.8	A	1009	37.0	+ 3 27	11.6	K5
9	..	36.4	+30 46	10.8	B9	*985*	36.6	+31 1	10.6	K5	902	36.8	+15 45	9.7	Fo	1072	37.1	+32 14	10.0	B5
10	984	36.4	+30 31	11.0	K2	986	36.6	+30 51	9.2	Ko	..	36.8	+15 21	11.3	A	1065	37.1	+31 43	9.1	A2
11	..	36.4	+30 28	10.9	A	..	36.6	+29 6	11.0	Fo	..	36.8	+15 19	11.2	F	..	37.1	+30 14	11.2	G
12	967	36.4	+29 52	10.5	K2	912	36.6	+26 58	9.4	A3	960	36.8	+13 4	11.1	Ko	..	37.1	+28 12	11.2	A
13	857	36.4	+28 58	10.0	A2	..	36.6	+26 49	11.0	A2	..	36.8	+11 25	11.1	A	..	37.1	+27 20	10.6	Ko
14	..	36.4	+28 44	10.4	Go	911	36.6	+26 17	11.0	Ko	..	36.8	+10 30	11.0	Go	916	37.1	+26 6	9.8	A
15	858	36.4	+28 21	10.9	Ko	..	36.6	+21 36	10.8	A5	..	36.8	+ 9 5	12.2	G5	936	37.1	+25 53	10.8	G5
16	..	36.4	+25 27	11.6	B8	..	36.6	+21 32	11.5	A	1002	36.8	+ 6 9	10.2	Go	927	37.1	+24 46	10.8	A2
17	1009	36.4	+23 52	11.6	K5	1056	36.6	+20 35	10.7	F5	1130	36.9	+33 26	10.8	Go	..	37.1	+24 29	11.4	A
18	1010	36.4	+23 39	11.0	Go	1055	36.6	+20 13	10.6	A5	1131	36.9	+33 14	9.2	A5	1006	37.1	+22 40	10.0	K2
19	1011	36.4	+23 19	10.3	Fo	919	36.6	+18 37	10.3	K5	..	36.9	+31 50	10.1	Ao	944	37.1	+21 8	10.2	Ao
20	1032	36.4	+19 36	9.4	Fo	..	36.6	+16 42	10.6	G5	1064	36.9	+31 12	9.4	B9	1059	37.1	+20 5	11.0	G5
21	1033	36.4	+19 14	10.0	A2	901	36.6	+15 5	10.9	K2	987	36.9	+30 42	8.9	B5	..	37.1	+17 10	10.8	A
22	..	36.4	+15 20	11.4	Go	..	36.6	+14 38	10.8	A2	..	36.9	+30 10	11.2	A7	903	37.1	+15 51	12.1	Mo
23	899	36.4	+15 13	10.2	K2	987	36.6	+14 10	10.7	A2	..	36.9	+26 31	11.8	A	904	37.1	+15 9	10.2	Mo
24	..	36.4	+12 11	10.8	F8	959	36.6	+13 24	10.8	G5	..	36.9	+26 27	11.0	Ao	916	37.1	+11 28	11.0	G5
25	..	36.4	+ 9 33	11.1	A7	958	36.6	+13 12	10.4	Ao	914	36.9	+26 7	10.2	A	856	37.1	+10 58	10.0	Ao
26	976	36.4	+ 7 47	11.1	K7	853	36.6	+10 5	10.4	Ko	..	36.9	+25 59	10.4	Ao	978	37.1	+ 7 25	10.5	Go
27	998	36.4	+ 6 4	10.4	A3	..	36.6	+ 6 26	11.0	Go	1002	36.9	+22 52	9.4	Fo	977	37.1	+ 7 7	10.8	F8
28	..	36.4	+ 5 27	10.9	F5	992	36.6	+ 5 7	10.4	F8	1057	36.9	+20 26	10.6	Ao	..	37.2	+32 6	10.8	F8
29	..	36.5	+32 21	10.2	B8	1128	36.7	+33 23	9.5	Bo	1038	36.9	+19 49	10.0	Go	..	37.2	+32 5	11.1	F5
30	..	36.5	+32 12	9.8	A2	1063	36.7	+31 59	9.9	Fo	1037	36.9	+19 28	11.0	A	*1066*	37.2	+32 1	10.2	K2
31	1062	36.5	+31 15	10.3	A3	..	36.7	+31 50	11.6	G	922	36.9	+18 3	10.8	K	989	37.2	+30 35	11.0	Go
32	..	36.5	+31 9	10.9	A	..	36.7	+30 19	11.3	A7	845	36.9	+16 48	10.6	F5	..	37.2	+30 28	11.2	A3
33	..	36.5	+31 5	10.0	B5	968	36.7	+29 58	10.4	K5	..	36.9	+12 13	10.8	F5	..	37.2	+30 21	11.2	B9
34	841	36.5	+27 39	9.9	Ao	931	36.7	+25 41	8.9	B3	915	36.9	+11 43	11.1	Ko	845	37.2	+27 38	12.2	A5
35	842	36.5	+27 35	10.2	A5	932	36.7	+25 27	10.4	F	930	36.9	+ 9 34	10.6	A7	..	37.2	+27 26	11.8	F8
36	843	36.5	+27 26	10.4	Ko	933	36.7	+25 16	10.6	Ao	1045	36.9	+ 8 54	10.2	Ao	..	37.2	+27 8	10.6	A3
37	910	36.5	+26 18	9.4	B8	926	36.7	+24 12	10.8	A	..	36.9	+ 7 22	11.7	K5	918	37.2	+26 3	10.3	Ao
38	930	36.5	+25 50	10.1	B8	..	36.7	+22 44	10.8	Ao	993	36.9	+ 5 49	9.8	F8	937	37.2	+25 8	10.7	A
39	..	36.5	+23 22	11.8	A	1035	36.7	+19 32	10.8	Ao	..	37.0	+33 16	10.2	A5	928	37.2	+24 39	11.0	F8
40	1012	36.5	+23 13	10.9	Ao	914	36.7	+11 40	11.0	K7	..	37.0	+32 45	10.9	A3	929	37.2	+24 30	11.1	A
41	1001	36.5	+22 3	10.4	A2	913	36.7	+11 37	11.6	G	..	37.0	+32 20	11.6	B9	945	37.2	+21 22	10.3	Go
42	939	36.5	+21 20	10.5	A5	854	36.7	+10 46	9.3	F5	988	37.0	+30 19	10.4	Ko	..	37.2	+20 40	11.6	A
43	1053	36.5	+20 48	10.2	Go	..	36.7	+10 37	11.8	K7	..	37.0	+29 29	11.2	K5	*1041*	37.2	+20 1	10.5	F5
44	917	36.5	+18 10	10.8	A	..	36.7	+ 8 30	11.2	Ko	860	37.0	+28 46	10.5	F2	846	37.2	+16 35	9.6	Go
45	*984*	36.5	+18 2	10.0	Ko	..	36.7	+ 7 28	10.9	A3	..	37.0	+28 19	11.0	A2	917	37.2	+11 13	9.8	F5
46	900	36.5	+15 22	11.2	A	1000	36.7	+ 6 34	10.4	Ko	859	37.0	+28 13	11.0	K5	1046	37.2	+ 8 34	9.6	A3
47	..	36.5	+15 12	11.2	G5	..	36.7	+ 4 56	11.0	Go	844	37.0	+27 56	10.2	B9	..	37.2	+ 8 3	11.4	G5
48	868	36.5	+12 21	10.0	A7	1014	36.7	+ 4 29	11.6	K7	935	37.0	+25 48	10.5	Mo	980	37.2	+ 7 57	10.7	F8
49		36.5	+12 21	10.2	Fo	1013	36.7	+ 4 19	10.4	Go	..	37.0	+21 21	11.0	A	994	37.2	+ 5 49	11.0	Go
50	912	36.5	+11 22	10.9	K5	..	36.8	+33 44	11.2	A	1058	37.0	+20 58	10.9	A2	1011	37.2	+ 3 13	10.0	F8

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	37.3	+33 14	9.8	A2	848	37.5	+16 57	10.6	K7	*858*	37.7	+11 1	11.6	Ko	860	38.0	+10 50	10.2	B9
2	1073	37.3	+32 55	9.9	B8	..	37.5	+16 51	10.2	Fo	..	37.7	+ 8 40	11.1	Ao	..	38.0	+10 35	10.6	G5
3	..	37.3	+31 39	11.6	F	906	37.5	+15 43	10.8	G5	1048	37.7	+ 8 6	9.6	A2	..	38.0	+ 7 30	10.8	B8
4	1067	37.3	+31 6	9.9	K2	905	37.5	+15 8	10.3	Ao	..	37.8	+33 17	11.6	Go	..	38.0	+ 5 11	10.8	Ko
5	990	37.3	+30 46	10.8	Ko	992	37.5	+14 30	11.1	G5	1070	37.8	+31 20	10.2	Fo	1017	38.0	+ 4 44	10.2	Ao
6	971	37.3	+29 42	8.8	B8	872	37.5	+12 59	10.7	Go	..	37.8	+30 56	10.8	Go	..	38.0	+ 4 32	10.8	Ao
7	..	37.3	+28 25	11.9	F5	871	37.5	+12 12	11.8	K5	..	37.8	+30 36	10.9	Ko	..	38.1	+33 29	11.4	A2
8	862	37.3	+28 12	10.2	B8	..	37.5	+12 4	11.1	G5	..	37.8	+27 15	11.6	A	..	38.1	+32 16	11.3	A7
9	861	37.3	+28 9	10.4	A3	932	37.5	+ 9 18	10.4	Fo	928	37.8	+26 52	10.2	F5	..	38.1	+31 46	11.8	A
10	921	37.3	+26 32	11.0	Ko	..	37.5	+ 8 44	11.0	Ao	943	37.8	+25 9	10.4	K5	..	38.1	+30 52	11.0	F5
11	922	37.3	+26 22	8.7	Ao	982	37.5	+ 7 36	10.8	Ko	1066	37.8	+20 38	10.7	Ao	865	38.1	+28 30	9.6	A
12	939	37.3	+25 59	10.0	K5	1075	37.6	+32 58	10.6	G5	*932*	37.8	+19 2	9.4	Ao	..	38.1	+27 56	11.8	A
13	938	37.3	+25 9	10.6	F	863	37.6	+28 14	10.7	Ko	933	37.8	+18 41	10.3	Ao	..	38.1	+25 23	10.5	A
14	1042	37.3	+19 46	11.0	A	847	37.6	+27 30	10.3	Go	..	37.8	+17 13	11.1	A	937	38.1	+24 7	10.4	G5
15	927	37.3	+18 48	9.7	F8	926	37.6	+26 26	10.6	K7	851	37.8	+16 3	10.5	Ao	939	38.1	+24 3	10.4	G5
16	..	37.3	+17 45	10.6	F	927	37.6	+26 23	8.8	B8	..	37.8	+ 8 40	11.0	A7	1021	38.1	+23 3	9.7	Go
17	..	37.3	+16 17	10.8	A2	..	37.6	+26 1	11.3	A	985	37.8	+ 7 24	10.4	Go	1002	38.1	+14 9	11.6	G5
18	989	37.3	+14 33	10.8	Ao	1019	37.6	+23 5	10.2	A5	1000	37.8	+ 5 3	11.9	Mo	937	38.1	+ 9 15	10.3	Ko
19	857	37.3	+10 31	9.2	A5	1008	37.6	+22 57	9.8	Fo	..	37.9	+33 27	11.5	F5	938	38.1	+ 9 6	10.4	F5
20	1047	37.3	+ 8 37	11.4	Ko	947	37.6	+21 50	10.2	K7	848	37.9	+27 55	10.4	Ao	1019	38.1	+ 4 56	10.6	G5
21	1015	37.3	+ 4 8	10.0	F5	929	37.6	+18 2	10.2	A2	929	37.9	+26 44	9.2	Fo	1016	38.1	+ 3 59	11.6	K7
22	..	37.4	+32 30	10.5	Ao	988	37.6	+17 48	9.9	F5	935	37.9	+24 39	9.8	A	..	38.2	+32 0	10.9	Fo
23	..	37.4	+31 46	11.6	A	987	37.6	+17 15	10.4	Go	..	37.9	+20 7	11.6	A	978	38.2	+29 9	10.5	A
24	1068	37.4	+31 32	10.0	F5	849	37.6	+16 45	9.6	Go	990	37.9	+17 52	9.5	A2	..	38.2	+28 46	11.8	Ao
25	..	37.4	+30 57	10.9	F2	907	37.6	+15 49	11.2	Ko	1000	37.9	+14 26	10.7	Ko	866	38.2	+28 33	10.6	K5
26	991	37.4	+30 41	10.5	A7	993	37.6	+14 53	10.2	G5	876	37.9	+12 27	11.4	Mo	867	38.2	+28 6	9.2	A2
27	..	37.4	+28 45	11.0	A3	..	37.6	+ 4 18	11.6	K5	934	37.9	+ 9 59	10.2	F2	..	38.2	+27 50	11.8	K7
28	932	37.4	+24 58	10.8	A3	1136	37.7	+33 58	9.8	Go	935	37.9	+ 9 52	9.2	F8	850	38.2	+27 12	9.1	B5
29	..	37.4	+22 54	10.8	Ao	1135	37.7	+33 55	9.2	Go	936	37.9	+ 9 13	11.2	K5	931	38.2	+26 52	9.0	F2
30	1043	37.4	+19 49	10.8	Ao	..	37.7	+31 9	10.8	F8	..	37.9	+ 8 54	11.0	Ao	932	38.2	+26 27	11.4	K7
31	986	37.4	+17 28	10.5	A7	..	37.7	+30 39	11.0	A5	986	37.9	+ 7 45	11.0	Go	..	38.2	+26 20	11.1	Ko
32	..	37.4	+11 5	11.4	Ao	..	37.7	+29 16	11.2	Ao	987	37.9	+ 7 8	10.3	G5	948	38.2	+25 54	10.2	A7
33	931	37.4	+ 9 51	9.3	G5	864	37.7	+28 35	11.1	Ao	*1015*	37.9	+ 4 2	10.3	Go	..	38.2	+25 41	11.4	Ao
34	..	37.4	+ 8 31	10.4	F5	..	37.7	+27 27	10.8	A2	..	38.0	+32 1	11.2	Go	947	38.2	+25 10	9.6	Ao
35	995	37.4	+ 5 58	10.9	G5	..	37.7	+26 42	11.5	F	..	38.0	+31 29	11.6	A5	..	38.2	+24 52	10.6	Ao
36	..	37.4	+ 4 18	11.1	A	942	37.7	+25 5	10.4	Ao	930	38.0	+26 58	9.6	F2	1022	38.2	+23 34	11.0	Ao
37	1012	37.4	+ 3 53	10.7	G5	1012	37.7	+22 38	10.9	A	..	38.0	+26 4	11.6	Ko	1023	38.2	+23 11	10.4	A3
38	1074	37.5	+32 22	11.4	G5	1011	37.7	+22 31	10.0	A2	945	38.0	+25 52	9.8	A	..	38.2	+22 39	11.0	Go
39	..	37.5	+31 51	11.8	F5	1009	37.7	+22 18	10.0	A3	944	38.0	+25 33	10.4	F5	951	38.2	+21 57	11.9	K7
40	..	37.5	+31 46	11.4	G	1063	37.7	+20 39	9.9	F5	946	38.0	+25 20	10.5	K5	1068	38.2	+20 49	10.9	K7
41	..	37.5	+30 38	11.0	F8	1065	37.7	+20 23	10.8	Ao	936	38.0	+24 37	9.6	F2	1049	38.2	+19 49	10.2	Go
42	972	37.5	+29 34	9.0	B9	1046	37.7	+19 8	10.4	A	..	38.0	+22 49	11.0	A	935	38.2	+18 10	11.0	A
43	..	37.5	+28 46	11.8	A	..	37.7	+17 12	11.2	A	950	38.0	+21 46	10.1	F5	..	38.2	+18 5	10.4	Ao
44	..	37.5	+27 24	11.7	A	908	37.7	+15 32	11.0	Ao	1048	38.0	+19 18	10.6	Ao	913	38.2	+15 13	10.6	Go
45	923	37.5	+26 56	10.9	B8	*997*	37.7	+15 0	10.4	K7	..	38.0	+16 58	11.1	F8		38.2	+15 13	10.6	Go
46	925	37.5	+26 47	9.1	B8	996	37.7	+14 50	10.8	K2	..	38.0	+16 32	11.6	F	966	38.2	+13 40	11.0	K7
47	924	37.5	+26 15	10.5	K5	995	37.7	+14 41	10.4	G5	911	38.0	+15 20	10.1	B9	879	38.2	+12 59	10.7	Go
48	933	37.5	+24 53	9.6	Ao	873	37.7	+12 23	11.2	Ko	1001	38.0	+14 46	10.1	Ko	..	38.2	+11 30	11.4	G5
49	*1017*	37.5	+24 0	11.0	Ao	919	37.7	+11 32	11.0	Ko	878	38.0	+12 31	9.5	F8	..	38.2	+ 9 49	10.8	G5
50	..	37.5	+19 57	11.2	A	918	37.7	+11 25	11.0	G5	*861*	38.0	+11 1	10.9	G5	1020	38.2	+ 4 23	10.8	B9

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		m	° ′				m	° ′				m	° ′				m	° ′		
1	1138	38.3	+33 29	8.9	B	980	38.5	+29 32	11.2	K7	..	38.7	+18 18	10.9	Ao	854	38.9	+16 10	9.6	Ao
2	..	38.3	+33 19	11.4	A3	870	38.5	+28 32	10.4	A	..	38.7	+17 26	11.6	Ko	1009	38.9	+14 39	11.0	K2
3	..	38.3	+33 1	10.6	F2	936	38.5	+26 46	10.0	K7	1007	38.7	+14 50	10.5	A2	863	38.9	+10 50	11.0	K7
4	..	38.3	+32 50	12.1	G5	..	38.5	+26 4	11.6	A	968	38.7	+13 4	10.5	Fo	..	38.9	+10 35	10.0	Fo
5	..	38.3	+32 11	10.9	F8	952	38.5	+25 27	9.4	B9	924	38.7	+11 44	11.0	F8	943	38.9	+ 9 54	10.6	F5
6	1073	38.3	+31 38	10.4	K2	..	38.5	+23 46	11.1	Ao	994	38.7	+ 7 32	9.7	Ao	1053	38.9	+ 8 36	10.7	F5
7	1075	38.3	+31 22	10.0	G5	1025	38.5	+23 8	9.8	F2	..	38.7	+ 7 19	10.6	F8	..	38.9	+ 3 3	11.2	A5
8	1074	38.3	+31 18	10.8	G5	1014	38.5	+22 29	10.8	A3	1004	38.7	+ 5 44	10.5	G5	..	39.0	+32 2	11.3	G5
9	..	38.3	+27 26	11.0	Ao	..	38.5	+17 55	11.1	F5	..	38.7	+ 5 24	11.6	Ko	..	39.0	+31 50	11.1	F5
10	933	38.3	+26 20	10.8	Ko	991	38.5	+17 2	10.5	Go	..	38.8	+32 17	11.4	A	1078	39.0	+31 36	10.3	A
11	949	38.3	+25 58	11.2	Fo	..	38.5	+16 54	10.6	A2	..	38.8	+32 15	11.5	Fo	1079	39.0	+31 11	8.7	B9
12	*1024*	38.3	+24 0	10.8	Ko	..	38.5	+16 46	11.1	G5	..	38.8	+32 12	10.6	A3	..	39.0	+29 42	11.3	Ao
13	..	38.3	+21 11	11.8	A	..	38.5	+15 11	11.1	Go	..	38.8	+31 34	11.6	A7	955	39.0	+25 54	10.7	F8
14	952	38.3	+21 9	11.3	K5	..	38.5	+ 8 31	11.0	Ao	1077	38.8	+31 16	10.6	K5	..	39.0	+25 49	10.6	Ao
15	937	38.3	+18 54	11.6	A	992	38.5	+ 7 22	10.6	K5	872	38.8	+28 24	10.9	A	941	39.0	+24 29	11.3	Mo
16	..	38.3	+18 38	11.4	F5	..	38.6	+33 27	10.8	A2	852	38.8	+27 7	10.2	A	..	39.0	+23 27	11.4	Fo
17	936	38.3	+18 33	10.0	A3	..	38.6	+32 32	10.4	A2	1027	38.8	+23 22	11.0	Ko	1018	39.0	+22 17	11.4	G5
18	..	38.3	+16 31	11.3	A	..	38.6	+31 21	11.2	A7	955	38.8	+21 41	10.9	Go	1019	39.0	+22 8	11.6	Go
19	915	38.3	+15 58	9.2	Fo	*995*	38.6	+31 0	10.8	Go	..	38.8	+21 16	11.6	F	1057	39.0	+19 24	10.1	A2
20	..	38.3	+11 18	10.2	Ko	..	38.6	+28 33	10.4	A	1071	38.8	+20 41	10.2	A	..	39.0	+17 45	11.0	A5
21	862	38.3	+10 21	9.4	Fo	1015	38.6	+22 59	9.8	K5	1072	38.8	+20 36	11.4	Ao	..	39.0	+15 19	10.6	F8
22	941	38.3	+ 9 53	9.4	Ko	..	38.6	+19 2	11.2	Ao	1052	38.8	+19 57	10.2	A7	*881*	39.0	+13 1	9.8	A2
23	..	38.3	+ 8 35	11.8	A	..	38.6	+18 34	11.2	Go	..	38.8	+18 44	11.3	Ao	864	39.0	+10 37	10.3	B9
24	..	38.3	+ 8 26	11.0	A3	942	38.6	+18 3	10.4	Go	944	38.8	+18 26	11.1	G5	..	39.0	+ 6 7	11.8	K2
25	990	38.3	+ 7 19	11.5	K7	..	38.6	+16 51	11.6	G	992	38.8	+17 12	10.4	Go	1023	39.0	+ 4 58	10.4	B5
26	1002	38.3	+ 5 48	10.4	Go	..	38.6	+15 35	11.6	G5	916	38.8	+15 58	11.5	A7	..	39.1	+33 44	11.0	Ao
27	1017	38.3	+ 3 31	10.0	F8	..	38.6	+13 54	11.7	A	..	38.8	+13 43	11.5	A7	..	39.1	+32 24	10.4	F2
28	..	38.4	+32 49	11.8	A	..	38.6	+13 6	11.0	A	969	38.8	+13 17	10.3	Ao	..	39.1	+32 6	10.8	A3
29	..	38.4	+32 37	11.8	G5	942	38.6	+ 9 29	10.4	G5	926	38.8	+11 47	10.4	Ao	874	39.1	+28 47	10.8	K5
30	979	38.4	+29 52	11.2	K5	..	38.6	+ 8 16	10.7	A2	927	38.8	+11 38	10.8	Go	876	39.1	+28 14	10.0	Ao
31	869	38.4	+28 54	9.5	A	993	38.6	+ 7 24	10.0	K2	925	38.8	+11 8	10.7	A2	854	39.1	+27 8	10.6	A
32	..	38.4	+27 47	11.5	Ko	1006	38.6	+ 6 25	11.0	K7	..	38.8	+10 24	11.0	G5	940	39.1	+26 47	10.0	Fo
33	934	38.4	+26 56	10.4	A5	1003	38.6	+ 5 45	11.0	F8	..	38.8	+ 8 34	10.6	F8	..	39.1	+25 52	11.6	Ao
34	935	38.4	+26 40	11.0	A2	1141	38.7	+33 50	10.2	A5	1052	38.8	+ 8 17	10.2	G5	957	39.1	+25 29	9.8	F2
35	..	38.4	+26 6	11.3	F2	1140	38.7	+33 41	9.0	A3	..	38.8	+ 5 49	11.0	F5	..	39.1	+25 24	11.2	A
36	..	38.4	+26 1	11.1	Ko	..	38.7	+32 52	10.2	A2	1022	38.8	+ 4 48	10.7	G5	1021	39.1	+22 10	10.0	A2
37	..	38.4	+25 7	11.0	A	..	38.7	+32 35	10.7	Fo	1079	38.9	+32 58	9.4	B5	960	39.1	+21 45	10.1	A2
38	..	38.4	+21 44	11.4	A	1078	38.7	+32 22	9.0	B9	1080	38.9	+32 55	8.8	A3	959	39.1	+21 27	10.2	Fo
39	..	38.4	+21 40	11.8	A	..	38.7	+31 19	11.0	A	..	38.9	+32 50	10.8	G5	1078	39.1	+20 59	11.2	A
40	1069	38.4	+20 31	10.2	Fo	1076	38.7	+31 12	10.7	Ko	..	38.9	+32 12	11.5	Go	1076	39.1	+20 52	10.6	Ao
41	..	38.4	+19 26	11.7	A	..	38.7	+25 55	11.4	A3	..	38.9	+31 20	11.1	A3	..	39.1	+18 44	11.5	K5
42	..	38.4	+16 1	10.6	Go	..	38.7	+25 44	10.9	K5	981	38.9	+29 8	9.3	A	1011	39.1	+14 23	9.8	A2
43	1005	38.4	+14 34	10.8	A5	954	38.7	+25 15	10.6	Ao	..	38.9	+25 27	11.0	Ao	..	39.1	+12 25	11.0	A
44	..	38.4	+12 52	11.4	A	..	38.7	+23 54	11.2	A	1029	38.9	+23 29	10.4	A5	..	39.1	+ 9 36	11.0	F8
45	921	38.4	+11 10	10.2	Ao	..	38.7	+23 54	11.1	A	..	38.9	+22 7	11.3	F8	..	39.1	+ 7 45	11.8	K7
46	1050	38.4	+ 8 38	10.2	A5	1026	38.7	+23 6	9.9	G5	*956*	38.9	+22 0	10.6	A7	..	39.1	+ 7 1	11.2	F8
47	..	38.5	+33 29	10.4	A	954	38.7	+21 54	9.7	F8	957	38.9	+21 47	10.2	A3	1142	39.2	+33 3	11.4	K5
48	..	38.5	+33 14	10.3	F5	1051	38.7	+19 35	10.4	Ko	1074	38.9	+20 59	10.9	Go	1081	39.2	+32 23	10.4	Go
49	..	38.5	+31 1	11.6	A7	..	38.7	+19 29	10.9	A	1055	38.9	+19 52	11.0	Go	..	39.2	+32 9	10.6	A5
50	..	38.5	+30 55	11.0	Ao	943	38.7	+18 27	11.4	G	1054	38.9	+19 45	10.8	Ao	*1083*	39.2	+32 1	10.7	K2

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$5^h\ 39^m.2$ to $5^h\ 40^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp
		m	° ′		
1	1081	39.2	+31 59	9.7	Go
2	1082	39.2	+31 55	10.2	B9
3	..	39.2	+31 23	11.3	A
4	877	39.2	+28 19	10.0	A2
5	856	39.2	+27 13	10.5	K7
6	941	39.2	+26 24	10.8	K7
7	1031	39.2	+23 53	10.4	Ko
8	..	39.2	+21 43	11.2	A3
9	962	39.2	+21 19	11.0	F5
10	961	39.2	+21 16	10.4	A3
11	..	39.2	+20 31	10.8	Ao
12	947	39.2	+18 53	11.9	M
13	856	39.2	+16 9	10.6	F8
14	..	39.2	+15 28	11.1	A
15	1012	39.2	+14 33	10.2	K2
16	883	39.2	+12 17	10.8	A2
17	931	39.2	+11 17	10.5	G5
18	867	39.2	+10 46	11.2	K7
19	1055	39.2	+ 8 55	11.6	K5
20	..	39.2	+ 3 33	11.3	G5
21	..	39.2	+ 3 8	10.6	F5
22	1143	39.3	+33 10	9.6	Fo
23	..	39.3	+31 59	10.1	F8
24	..	39.3	+31 55	11.0	F2
25	999	39.3	+30 44	9.4	A5
26	..	39.3	+27 32	10.4	Ao
27	942	39.3	+26 47	9.3	Ao
28	1032	39.3	+23 28	10.2	A7
29	964	39.3	+21 56	11.0	Ko
30	963	39.3	+21 15	11.3	G5
31	1081	39.3	+20 57	10.1	B9
32	1080	39.3	+20 41	11.8	F8
33	..	39.3	+20 19	11.7	A
34	949	39.3	+18 50	11.0	Ko
35	948	39.3	+18 22	11.0	K7
36	..	39.3	+18 9	11.6	A
37	..	39.3	+18 0	11.0	Ao
38	857	39.3	+16 21	9.4	B5
39	1014	39.3	+14 46	10.9	Ao
40	..	39.3	+14 34	11.0	Fo
41	..	39.3	+11 29	10.2	Ao
42	..	39.3	+10 54	10.8	F5
43	868	39.3	+10 17	10.5	B9
44	944	39.3	+ 9 10	10.6	F8
45	1056	39.3	+ 8 38	10.4	B9
46	995	39.3	+ 7 52	11.8	K5
47	..	39.3	+ 6 48	12.0	K5
48	1020	39.3	+ 3 19	10.6	F8
49	1144	39.4	+33 41	8.4	B3
50	..	39.4	+31 27	11.0	A7
	1000	39.4	+30 47	10.3	K5
	857	39.4	+27 49	10.0	Ko
	960	39.4	+25 24	11.2	G5
	959	39.4	+25 4	9.4	A
	947	39.4	+24 45	9.6	B8
	946	39.4	+24 27	10.8	Ko
	945	39.4	+24 3	10.4	Fo
	1033	39.4	+23 58	11.2	Ko
	1022	39.4	+22 47	11.0	G5
	966	39.4	+21 55	10.7	A3
	965	39.4	+21 27	10.1	K2
	..	39.4	+19 2	11.4	A
	..	39.4	+15 14	11.3	A
	970	39.4	+14 2	10.6	F5
	869	39.4	+11 0	9.8	A3
	..	39.4	+ 9 49	11.1	Ao
	945	39.4	+ 9 47	11.9	K7
	946	39.4	+ 9 14	10.4	Go
	996	39.4	+ 7 3	11.0	Ko
	1009	39.4	+ 6 5	10.5	G5
	..	39.4	+ 5 51	11.0	G5
	..	39.4	+ 5 3	11.4	K2
	..	39.5	+32 45	10.0	A2
	..	39.5	+32 17	10.6	A3
	984	39.5	+29 32	11.0	K5
	943	39.5	+26 32	9.6	B5
	962	39.5	+25 14	10.6	B9
	967	39.5	+21 13	10.4	A3
	..	39.5	+20 46	10.8	A2
	951	39.5	+18 42	9.4	A7
	972	39.5	+13 47	10.7	F8
	..	39.5	+13 42	10.9	Ao
	932	39.5	+11 39	10.8	K5
	870	39.5	+10 28	9.4	Ko
	1057	39.5	+ 8 14	10.3	A2
	..	39.6	+33 43	11.3	A
	985	39.6	+29 6	10.1	Ko
	858	39.6	+27 55	9.1	A
	..	39.6	+27 19	11.8	K5
	..	39.6	+25 1	11.0	Ao
	948	39.6	+24 40	9.8	Go
	968	39.6	+21 40	10.2	A2
	..	39.6	+21 9	11.4	A
	1058	39.6	+19 20	9.9	B8
	..	39.6	+18 48	11.8	G
	..	39.6	+18 34	10.0	F2
	919	39.6	+15 48	10.5	Ao
	..	39.6	+14 58	11.2	A
	1015	39.6	+14 8	10.4	Go
	887	39.6	+12 11	9.8	Ko
	871	39.6	+10 34	9.3	A5
	1058	39.6	+ 8 35	11.1	K7
	..	39.6	+ 8 25	11.2	A3
	..	39.6	+ 6 42	11.6	A7
	1011	39.6	+ 6 28	11.8	Go
	..	39.7	+32 51	10.4	Go
	1082	39.7	+32 28	11.7	Mo
	..	39.7	+32 14	10.0	Go
	1084	39.7	+31 21	8.8	A
	..	39.7	+31 15	10.9	Ao
	..	39.7	+29 38	11.0	F
	..	39.7	+29 21	11.2	A
	944	39.7	+26 5	9.2	A
	1034	39.7	+23 43	10.4	K2
	..	39.7	+22 8	11.2	B9
	971	39.7	+22 2	10.4	A3
	970	39.7	+21 56	9.7	B8
	969	39.7	+21 47	10.9	Ao
	..	39.7	+19 20	11.1	Fo
	953	39.7	+18 57	10.9	Ko
	954	39.7	+18 57	9.7	B8
	952	39.7	+18 56	11.4	K7
	858	39.7	+16 23	10.5	Ao
	921	39.7	+15 28	11.9	N
	920	39.7	+15 9	10.6	A2
	..	39.7	+10 6	11.8	K5
	947	39.7	+ 9 59	10.0	Ko
	948	39.7	+ 9 33	10.6	G5
	..	39.8	+33 53	10.4	Ao
	..	39.8	+32 40	10.0	B8
	..	39.8	+31 50	11.2	F8
	..	39.8	+31 16	10.6	A3
	987	39.8	+29 36	10.7	Ko
	859	39.8	+27 6	11.3	K5
	945	39.8	+26 6	10.8	F8
	964	39.8	+25 57	9.8	Ao
	949	39.8	+24 30	10.8	A
		39.8	+24 30	11.0	A
	1024	39.8	+22 40	10.2	K2
	..	39.8	+22 32	10.2	Ao
	1023	39.8	+22 27	10.2	Ao
	..	39.8	+22 6	11.1	Ao
	973	39.8	+22 2	10.3	Fo
	1059	39.8	+19 56	11.0	Ao
	..	39.8	+19 26	11.3	A
	956	39.8	+18 17	9.4	Ao
	993	39.8	+17 43	10.2	Ao
	994	39.8	+17 33	9.8	Ao
	..	39.8	+17 22	10.4	Ao
	859	39.8	+17 0	10.3	Fo
	1016	39.8	+14 31	10.2	A2
	..	39.8	+13 5	11.1	K2
	933	39.8	+11 8	10.0	Ao
	997	39.8	+ 7 56	10.7	F5
	..	39.8	+ 7 8	11.2	K2
	1145	39.9	+33 54	10.3	K2
	..	39.9	+32 42	10.6	A
	1085	39.9	+31 52	9.4	Ao
	1001	39.9	+30 35	10.8	G5
	860	39.9	+27 49	10.7	K2
	946	39.9	+26 14	10.6	Ko
	..	39.9	+23 29	10.8	A7
	..	39.9	+21 23	10.9	A
	..	39.9	+21 23	10.7	A
	..	39.9	+19 8	11.4	M
	..	39.9	+19 0	11.3	G
	995	39.9	+17 58	9.8	Ao
	..	39.9	+16 57	11.4	Fo
	922	39.9	+15 16	10.2	Go
	1017	39.9	+14 13	10.6	K7
	..	39.9	+12 7	11.2	F8
	934	39.9	+11 33	9.8	F2
	872	39.9	+10 12	10.8	K7
	873	39.9	+10 2	9.7	Ko
	1059	39.9	+ 8 40	9.8	Ao
	1005	39.9	+ 5 25	9.9	F2
	1027	39.9	+ 4 27	10.8	G5
	..	40.0	+33 16	10.2	A2
	..	40.0	+32 56	10.6	A5
	..	40.0	+32 39	10.8	B9
	..	40.0	+32 19	10.1	B9
	..	40.0	+32 12	10.6	B8
	..	40.0	+31 58	11.3	F8
	..	40.0	+31 35	10.8	Ao
	1002	40.0	+30 43	10.3	K5
	988	40.0	+29 36	11.2	Ko
	965	40.0	+25 49	10.4	F5
	..	40.0	+25 20	10.8	Ao
	966	40.0	+25 15	9.4	Ko
	..	40.0	+24 32	11.0	A
	1038	40.0	+23 14	11.7	K7
	..	40.0	+21 23	11.8	A
	976	40.0	+21 15	10.3	A5
	1084	40.0	+21 1	10.8	F8
	1060	40.0	+19 11	11.1	Go
	996	40.0	+17 50	10.4	Ko
	1018	40.0	+14 39	9.4	Go
	975	40.0	+13 49	11.0	K7
	976	40.0	+13 7	10.6	Ao
	890	40.0	+12 25	10.8	Ko

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	949	40.0	+ 9 16	10.0	Go	..	40.3	+30 9	11.0	F5	..	40.5	+27 22	10.8	A7	939	40.7	+11 58	10.4	A2
2	..	40.0	+ 8 27	11.4	G	..	40.3	+25 23	11.4	A	953	40.5	+24 33	10.9	K2	..	40.7	+ 9 27	10.8	Go
3	..	40.1	+31 56	10.9	A	1040	40.3	+23 16	10.2	Ko	952	40.5	+24 28	10.6	F2	..	40.7	+ 5 20	11.6	K7
4	..	40.1	+31 47	11.2	A7	..	40.3	+23 5	10.6	Ao	..	40.5	+24 8	11.4	A	..	40.8	+32 20	10.6	A2
5	1003	40.1	+30 52	9.8	A2	1090	40.3	+20 41	11.2	A3	..	40.5	+23 29	11.2	A3	1092	40.8	+31 3	10.6	K5
6	*884*	40.1	+29 0	10.6	Ko	..	40.3	+19 48	11.6	A	..	40.5	+22 40	10.8	F8	951	40.8	+26 19	10.2	Ao
7	947	40.1	+26 41	10.6	Go	1063	40.3	+19 18	10.2	B9	..	40.5	+20 9	11.6	Ao	1029	40.8	+22 54	11.1	A5
8	948	40.1	+26 1	9.2	A	..	40.3	+19 11	10.9	Ao	..	40.5	+16 53	10.8	A5	1092	40.8	+20 17	11.1	K5
9	968	40.1	+25 45	10.6	G5	960	40.3	+18 53	9.6	Fo	893	40.5	+12 6	9.2	Go	864	40.8	+16 57	10.7	F5
10	..	40.1	+21 57	11.2	A3	*999*	40.3	+18 1	10.8	Ko	..	40.5	+ 9 21	11.2	G5	924	40.8	+15 52	10.3	A7
11	980	40.1	+21 24	10.2	Ko	..	40.3	+17 28	11.0	A	1064	40.5	+ 8 41	10.9	K2	1022	40.8	+14 57	11.1	F8
12	1087	40.1	+20 14	9.7	Fo	998	40.3	+17 13	9.2	Ao	1065	40.5	+ 8 11	11.0	Mo	..	40.8	+14 56	11.1	A
13	1061	40.1	+19 37	10.9	K2	923	40.3	+15 12	11.0	Go	..	40.5	+ 7 58	10.8	Ao	895	40.8	+12 55	10.2	Go
14	997	40.1	+17 23	9.0	F8	891	40.3	+12 11	11.2	A	..	40.5	+ 5 57	11.4	G5	..	40.8	+ 9 51	11.1	Ko
15	860	40.1	+16 39	10.7	A2	..	40.3	+ 9 18	11.6	K5	..	40.5	+ 5 14	10.0	F2	1011	40.8	+ 5 32	10.5	Mo
16	1020	40.1	+14 53	11.6	K5	1062	40.3	+ 8 41	9.8	A3	1032	40.5	+ 4 37	10.7	F8	1149	40.9	+33 56	8.7	A3
17	935	40.1	+11 17	9.8	F2	1063	40.3	+ 8 21	9.8	Fo	..	40.6	+32 38	11.2	G	..	40.9	+33 42	11.0	A
18	874	40.1	+10 37	11.1	G5	..	40.3	+ 8 4	11.5	Go	1006	40.6	+30 14	10.4	A7	1093	40.9	+31 25	9.0	A2
19	951	40.1	+ 9 40	9.8	A3	1001	40.3	+ 7 50	10.8	F2	992	40.6	+29 46	9.2	B9	..	40.9	+21 16	11.6	Fo
20	1015	40.1	+ 6 31	10.7	A2	..	40.3	+ 7 14	11.8	K	950	40.6	+26 57	10.4	K2	1094	40.9	+20 45	9.8	F2
21	1147	40.2	+33 17	9.6	B8	..	40.3	+ 5 30	10.8	F5	974	40.6	+25 44	10.4	Go	..	40.9	+18 55	11.2	A2
22	..	40.2	+33 11	10.0	B9	1007	40.3	+ 5 15	11.2	Ko	954	40.6	+24 23	10.3	Ao	1000	40.9	+17 9	11.4	K7
23	..	40.2	+31 38	11.2	A5	1030	40.3	+ 4 7	11.5	K7	..	40.6	+22 26	11.5	A	..	40.9	+15 47	10.3	B9
24	1004	40.2	+30 32	9.3	A3	1026	40.3	+ 3 5	11.1	Mo	..	40.6	+19 14	10.8	Go	1023	40.9	+14 7	10.6	Go
25	..	40.2	+29 30	11.0	A	1085	40.4	+32 41	10.1	F8	..	40.6	+17 21	10.6	A5	..	40.9	+ 9 27	10.9	Fo
26	989	40.2	+29 21	10.2	Go	..	40.4	+31 53	10.3	Fo	1021	40.6	+14 53	10.8	Fo	1067	40.9	+ 8 6	9.8	G5
27	990	40.2	+29 9	9.4	B9	..	40.4	+31 35	10.6	Fo	..	40.6	+ 9 48	10.8	A5	1009	41.0	+30 41	9.6	A2
28	885	40.2	+28 22	9.4	Ao	..	40.4	+31 14	9.5	Ao	..	40.6	+ 8 29	11.2	F5	1011	41.0	+30 22	10.6	A
29	861	40.2	+27 12	11.2	K5	1005	40.4	+30 17	10.6	K5	1066	40.6	+ 8 14	10.5	F5	995	41.0	+29 44	10.6	G5
30	..	40.2	+25 33	9.8	Ao	991	40.4	+29 25	9.9	A2	1002	40.6	+ 7 38	11.2	M2	..	41.0	+27 57	10.6	Ao
31	970	40.2	+25 30	9.2	B	862	40.4	+27 16	11.4	K5	..	40.6	+ 7 1	11.4	Ao	953	41.0	+26 4	11.0	K7
32	969	40.2	+25 24	10.8	Ko	973	40.4	+25 31	11.4	K2	..	40.6	+ 4 45	11.0	A7	955	41.0	+24 31	11.4	M
33	951	40.2	+24 12	9.8	A3	972	40.4	+25 14	9.9	Mo	1033	40.6	+ 4 22	11.2	K7	..	41.0	+23 29	11.2	Fo
34	1039	40.2	+23 2	10.0	K2	1041	40.4	+23 27	10.6	Fo	..	40.7	+33 12	11.6	A2	1030	41.0	+22 22	10.3	F5
35	1027	40.2	+22 59	10.6	K2	..	40.4	+20 6	11.2	Ao	..	40.7	+33 7	11.7	Ao	982	41.0	+21 11	10.4	Go
36	..	40.2	+22 7	11.4	K7	1064	40.4	+19 19	10.1	K2	1087	40.7	+32 18	9.5	Go	1068	41.0	+19 3	10.5	Go
37	..	40.2	+21 55	11.8	A	862	40.4	+16 47	12.2	K5	1089	40.7	+31 52	9.5	A	..	41.0	+17 5	11.0	Fo
38	1088	40.2	+20 21	11.6	A2	861	40.4	+16 24	10.4	A7	1090	40.7	+31 8	10.8	G5	865	41.0	+16 35	10.2	A2
39	..	40.2	+19 57	11.4	F5	..	40.4	+15 22	10.8	F5	1008	40.7	+30 57	10.7	K2	925	41.0	+15 30	11.6	K7
40	1062	40.2	+19 21	9.7	Fo	892	40.4	+12 4	9.8	F5	1007	40.7	+30 36	9.4	F5	..	41.0	+15 13	12.0	A
41	..	40.2	+16 18	10.7	F2	1009	40.4	+ 5 59	10.8	Go	886	40.7	+28 11	8.7	Ao	..	41.0	+14 36	12.0	A
42	938	40.2	+11 43	11.2	K2	1031	40.4	+ 4 18	10.4	Fo	864	40.7	+27 54	9.6	B9	..	41.0	+14 8	11.5	A
43	936	40.2	+11 3	10.5	Ao	1027	40.4	+ 3 47	10.2	Fo	863	40.7	+27 37	11.4	K7	*977*	41.0	+14 1	9.6	F8
44	875	40.2	+10 23	9.8	F8	1148	40.5	+33 39	11.0	Go	1028	40.7	+22 12	11.0	Ao	..	41.0	+12 9	11.1	A7
45	*952*	40.2	+10 0	9.4	G5	1086	40.5	+32 58	10.2	G5	..	40.7	+20 46	11.7	A	883	41.0	+10 3	10.4	K2
46	1000	40.2	+ 7 9	10.6	A3	..	40.5	+32 48	11.0	A3	1066	40.7	+19 21	11.0	Go	1068	41.0	+ 8 25	10.2	F2
47	..	40.3	+33 54	11.4	A7	1086	40.5	+31 56	9.0	A7	..	40.7	+18 51	10.6	A3	..	41.1	+33 55	11.0	Ao
48	..	40.3	+33 27	11.2	F2	1087	40.5	+31 32	10.0	F8	..	40.7	+17 4	11.2	A5	..	41.1	+33 16	11.8	A7
49	..	40.3	+32 32	11.7	G5	1088	40.5	+31 21	9.6	Ao	863	40.7	+16 51	10.2	A2	..	41.1	+31 16	10.4	A
50	..	40.3	+32 23	11.9	A	..	40.5	+27 31	11.6	Ko	..	40.7	+15 31	11.6	K2	998	41.1	+29 4	10.5	F5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	976	41.1	+25 57	10.6	A	962	41.3	+18 14	9.3	A3	1070	41.6	+ 8 31	10.4	A5	1008	41.8	+17 9	11.4	G5
2	977	41.1	+25 55	9.0	A	..	41.3	+18 6	10.6	G	1022	41.6	+ 6 54	10.6	G5	868	41.8	+16 11	10.7	Go
3	..	41.1	+24 26	10.9	Ao	..	41.3	+16 9	10.8	Ao	..	41.6	+ 5 1	10.7	F2	978	41.8	+13 24	11.0	Ko
4	..	41.1	+23 9	11.2	G	940	41.3	+11 10	9.7	G5	1035	41.6	+ 4 11	10.3	K7	898	41.8	+12 13	10.1	B9
5	1042	41.1	+23 7	10.1	Mo	1069	41.3	+8 43	10.8	K5	1097	41.7	+31 32	10.6	Ko	..	41.8	+10 11	11.2	A
6	1001	41.1	+17 48	10.4	A7	1034	41.3	+ 4 45	10.4	A5	..	41.7	+30 44	11.1	Ao	1071	41.8	+ 8 42	10.0	A7
7	..	41.1	+14 39	11.6	F5	892	41.4	+28 8	9.2	A	1001	41.7	+29 47	10.8	A	..	41.9	+33 45	10.6	Fo
8	..	41.1	+14 31	11.0	A	867	41.4	+27 50	10.3	Fo	980	41.7	+25 35	9.6	Ao	..	41.9	+32 31	10.4	G5
9	..	41.1	+12 22	12.2	Ko	955	41.4	+26 53	9.6	Ko	1048	41.7	+23 57	11.0	Ko	1099	41.9	+31 46	9.3	Ao
10	884	41.1	+10 58	9.8	Ao	1044	41.4	+23 11	11.4	A5	1035	41.7	+22 53	10.0	F8	895	41.9	+28 5	10.8	K2
11	..	41.1	+10 51	10.4	K5	986	41.4	+21 8	10.8	Ao	1034	41.7	+22 16	11.2	G5	..	41.9	+27 10	10.6	A
12	1029	41.1	+ 3 41	11.1	K5	1098	41.4	+20 4	10.4	Ko	..	41.7	+22 10	11.4	A	958	41.9	+26 54	10.6	K2
13	1030	41.1	+ 3 25	10.1	Ao	965	41.4	+18 51	10.4	Go	988	41.7	+21 34	10.6	A2	..	41.9	+24 44	11.2	Go
14	..	41.1	+ 3 17	10.9	A	963	41.4	+18 39	10.2	Go	..	41.7	+21 6	11.9	F8	1051	41.9	+23 50	10.3	B8
15	..	41.2	+33 12	11.6	F5	964	41.4	+18 12	9.9	Ko	1071	41.7	+19 50	11.8	G5	1037	41.9	+22 19	10.1	F5
16	..	41.2	+32 24	10.8	K7	..	41.4	+16 14	11.1	Fo	1005	41.7	+17 34	9.3	Ao	1036	41.9	+22 11	11.3	K2
17	1095	41.2	+31 57	10.0	Ko	929	41.4	+15 26	9.3	F8	..	41.7	+16 31	10.6	B8	993	41.9	+21 56	9.7	Ao
18	1096	41.2	+31 28	10.8	A	..	41.4	+14 50	10.6	A5	887	41.7	+10 42	10.8	K7	..	41.9	+21 38	11.9	M
19	1094	41.2	+31 20	10.1	G5	..	41.4	+10 17	10.7	F5	..	41.7	+ 9 15	11.1	G5	1073	41.9	+19 39	9.8	A2
20	..	41.2	+30 58	11.6	K7	1021	41.4	+ 6 20	10.4	Ko	..	41.7	+ 7 50	10.8	F8	1072	41.9	+19 35	9.7	Go
21	..	41.2	+30 51	10.7	A	1031	41.4	+ 3 12	10.9	A5	..	41.7	+ 7 20	10.8	Ko	..	41.9	+18 34	11.0	A
22	999	41.2	+29 15	10.6	A2	..	41.5	+33 36	10.7	Go	1023	41.7	+ 6 27	10.4	Go	..	41.9	+17 43	10.4	Ao
23	889	41.2	+28 29	10.6	F8	1150	41.5	+33 29	9.4	Fo	..	41.7	+ 6 6	10.8	Go	..	41.9	+15 45	10.8	A7
24	890	41.2	+28 20	10.6	Fo	1151	41.5	+33 24	11.0	Ko	..	41.7	+ 5 59	11.4	G5	1026	41.9	+14 28	10.6	F5
25	954	41.2	+26 21	10.8	Fo	1088	41.5	+32 49	8.8	Ao	1032	41.7	+ 3 7	10.6	A2	1091	42.0	+32 44	10.8	Mo
26	..	41.2	+23 28	11.4	A	..	41.5	+32 28	10.8	Ko	..	41.8	+33 49	11.1	B8	1100	42.0	+31 11	9.0	A7
27	..	41.2	+21 18	11.5	G	..	41.5	+32 23	10.8	A2	1153	41.8	+33 47	11.6	M	897	42.0	+28 4	10.3	Ao
28	1069	41.2	+19 23	10.9	K2	956	41.5	+26 7	10.8	A	1154	41.8	+33 32	10.0	A7	869	42.0	+27 12	9.7	B9
29	1070	41.2	+19 14	10.8	Fo	979	41.5	+25 56	10.0	A	..	41.8	+33 24	11.1	Ao	868	42.0	+27 8	9.8	Ao
30	1002	41.2	+17 40	9.5	F8	*958*	41.5	+25 1	11.0	Ko	..	41.8	+32 40	9.8	F8	983	42.0	+25 56	10.7	A7
31	..	41.2	+17 19	11.4	A	..	41.5	+24 1	11.0	A	1090	41.8	+32 32	10.6	K5	984	42.0	+25 35	10.7	F5
32	1003	41.2	+17 6	10.2	Ao	1045	41.5	+23 36	9.8	A5	1098	41.8	+31 25	10.7	G5	1052	42.0	+23 20	10.4	Ko
33	927	41.2	+15 57	11.0	Ao	..	41.5	+21 29	11.4	Go	1016	41.8	+30 46	10.9	Go	1101	42.0	+20 29	10.2	Ao
34	..	41.2	+11 33	10.4	Go	..	41.5	+20 23	11.0	Ao	1002	41.8	+29 43	10.0	Fo	1074	42.0	+19 51	10.8	A2
35	1004	41.2	+ 7 6	11.3	K2	1013	41.5	+ 5 14	10.8	Go	..	41.8	+27 37	12.0	A	1010	42.0	+17 45	9.2	F8
36	1012	41.2	+ 5 12	10.4	Go	..	41.6	+32 42	10.0	F2	957	41.8	+26 31	10.8	K7		42.0	+17 45		A3
37	..	41.3	+32 34	11.0	A	1089	41.6	+32 14	10.6	Ko	962	41.8	+24 56	11.4	K7	932	42.0	+15 45	10.5	F5
38	1012	41.3	+30 3	11.3	K5	..	41.6	+32 7	11.2	Ao	964	41.8	+24 26	9.7	Go	942	42.0	+11 41	10.6	Mo
39	865	41.3	+27 49	10.6	A3	..	41.6	+30 35	10.6	B9	1050	41.8	+23 22	10.0	F5	..	42.0	+ 8 39	11.3	A
40	..	41.3	+27 22	11.6	K7	1013	41.6	+30 13	10.6	Ko	1049	41.8	+23 13	10.2	Ao	1010	42.0	+ 7 29	10.6	K2
41	957	41.3	+24 53	10.0	G5	1000	41.6	+29 27	10.4	A2	991	41.8	+21 52	11.4	G5	1025	42.0	+ 6 45	10.6	G5
42	..	41.3	+24 11	11.2	G	1047	41.6	+23 52	11.0	K7	990	41.8	+21 45	11.5	Ko	1024	42.0	+ 6 37	11.0	K7
43	..	41.3	+23 22	11.2	A2	1046	41.6	+23 37	10.2	Ko	989	41.8	+21 27	11.2	A3	1014	42.0	+ 5 59	11.6	Mo
44	..	41.3	+23 10	11.5	A	1033	41.6	+22 47	10.3	F5	992	41.8	+21 11	10.9	Ao	1101	42.1	+31 56	10.6	A
45	..	41.3	+22 41	11.8	A	987	41.6	+21 16	10.2	A2	*967*	41.8	+19 1	10.8	Go	1017	42.1	+30 2	9.8	A3
46	..	41.3	+21 26	11.7	K	1099	41.6	+20 40	11.3	Go	..	41.8	+18 48	11.0	Ao	959	42.1	+26 58	9.2	A3
47	985	41.3	+21 14	10.6	Ko	..	41.6	+20 6	12.0	A	968	41.8	+18 35	10.0	Fo	960	42.1	+26 48	11.0	K5
48	1096	41.3	+20 36	9.7	F5	..	41.6	+18 9	10.8	A	..	41.8	+18 32	10.2	Ao	985	42.1	+25 56	10.5	F5
49	1097	41.3	+20 13	10.7	A2	930	41.6	+15 5	10.6	A3	1007	41.8	+17 55	9.2	F8	986	42.1	+25 30	10.6	F2
50	961	41.3	+18 57	10.9	G5	941	41.6	+11 54	9.9	Fo	1006	41.8	+17 41	9.4	A5	1054	42.1	+23 39	10.8	F2

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$5^h\ 42^m.1$ to $5^h\ 43^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1053	42.1	+23 6	10.3	A2	..	42.4	+31 6	10.0	Ao	1061	42.6	+23 59	10.7	Ao	1018	42.8	+ 5 36	10.8	Go
2	1040	42.1	+22 13	10.8	F5	..	42.4	+28 35	10.4	Ao	1043	42.6	+22 39	10.4	B9	1039	42.8	+ 3 35	11.4	K5
3	994	42.1	+21 23	11.0	G5	872	42.4	+27 57	10.6	G5	..	42.6	+21 6	11.6	A	1163	42.9	+33 36	11.4	G5
4	..	42.1	+19 53	11.0	Ao	989	42.4	+25 4	9.6	B3	1108	42.6	+20 12	9.8	K2	1107	42.9	+31 28	9.6	A5
5	871	42.1	+16 45	10.4	F8	966	42.4	+24 45	10.7	Ko	1012	42.6	+17 46	10.8	Ko	..	42.9	+31 18	10.3	A
6	870	42.1	+16 6	10.4	B9	1059	42.4	+23 50	9.6	B5	877	42.6	+16 55	10.3	Ko	..	42.9	+30 23	10.6	Ao
7	933	42.1	+15 51	10.6	K2	1058	42.4	+23 40	10.9	A	..	42.6	+14 15	11.3	F5	..	42.9	+30 10	10.5	A
8	..	42.1	+15 14	11.1	G	1042	42.4	+22 54	10.7	A5	905	42.6	+12 57	9.6	Ao	..	42.9	+21 52	11.4	A
9	981	42.1	+13 24	9.7	Ko	..	42.4	+22 46	10.6	Go	904	42.6	+12 35	9.6	A3	1000	42.9	+21 42	10.3	F8
10	..	42.1	+11 53	10.6	Ao	997	42.4	+21 35	10.0	Ao	890	42.6	+10 38	10.4	Ao	..	42.9	+19 9	11.0	A
11	..	42.1	+ 7 37	11.7	K2	1104	42.4	+20 32	9.7	Ao	1017	42.6	+ 5 29	10.8	K2	..	42.9	+14 15	11.3	G5
12	1011	42.1	+ 7 20	10.2	G5	969	42.4	+18 32	9.5	Ao	1161	42.7	+33 47	10.2	K2	..	42.9	+13 59	10.5	A2
13	1012	42.1	+ 7 1	11.2	K5	..	42.4	+18 12	10.1	B9	1160	42.7	+33 20	11.2	G5	..	42.9	+12 27	11.2	Ko
14	1036	42.1	+ 4 28	10.7	G5	..	42.4	+17 22	10.8	Go	*1007*	42.7	+30 0	9.6	A7	944	42.9	+11 41	9.4	Go
15	1092	42.2	+32 8	9.6	Ao	..	42.4	+15 12	11.1	F5	1006	42.7	+29 51	10.6	G5	892	42.9	+10 19	10.4	Fo
16	900	42.2	+28 31	10.4	G5	1073	42.4	+ 8 21	11.7	Mo	907	42.7	+28 20	10.6	Ao	1074	42.9	+ 8 23	10.7	K5
17	898	42.2	+28 10	10.4	Ko	1040	42.4	+ 4 26	11.8	K5	906	42.7	+28 11	11.6	K5	1015	42.9	+ 7 25	10.7	G5
18	961	42.2	+26 37	10.8	Fo	1094	42.5	+32 59	9.6	Ko		42.7	+28 11	10.7	Ao	..	42.9	+ 5 9	10.6	Ao
19	..	42.2	+25 34	10.7	A	..	42.5	+32 47	11.3	Ao	..	42.7	+24 9	11.3	F5	1040	42.9	+ 3 24	10.6	Ao
20	1055	42.2	+23 37	10.8	G5	1104	42.5	+31 30	8.9	A	999	42.7	+21 59	10.0	F5	..	43.0	+33 54	11.0	Fo
21	1041	42.2	+22 32	10.6	Fo	1105	42.5	+31 10	10.3	G5	..	42.7	+21 23	11.4	Ao	...	43.0	+32 54	10.6	Go
22	..	42.2	+21 31	10.8	A	1019	42.5	+30 25	10.4	Go	1110	42.7	+20 35	9.6	A3	1096	43.0	+32 34	10.2	Ao
23	..	42.2	+21 18	10.9	A3	903	42.5	+28 46	10.8	Ko	1077	42.7	+19 9	10.3	F5	1108	43.0	+31 9	10.8	Fo
24	996	42.2	+21 4	9.8	B9	964	42.5	+26 50	10.6	A	..	42.7	+16 50	11.2	Ko	..	43.0	+27 59	11.1	A
25	..	42.2	+20 59	11.2	F5	962	42.5	+26 19	11.0	A	..	42.7	+16 8	10.6	Ao	876	43.0	+27 42	10.1	Go
26	..	42.2	+20 39	11.2	Go	..	42.5	+24 48	10.6	B8	940	42.7	+15 2	10.8	F5	..	43.0	+24 10	11.4	A
27	872	42.2	+16 21	10.6	Ko	967	42.5	+24 16	9.1	Ao	960	42.7	+ 9 57	11.6	K7	1065	43.0	+23 51	10.1	B9
28	873	42.2	+16 7	11.2	Ko	1107	42.5	+20 57	11.0	A3	959	42.7	+ 9 29	10.0	F2	1064	43.0	+23 43	10.7	Ao
29	934	42.2	+15 20	9.9	A2		42.5	+20 57	11.1	A5	1042	42.7	+ 4 56	10.6	K7	1066	43.0	+23 12	10.2	Ao
30	980	42.2	+13 59	10.0	Ao	..	42.5	+18 53	11.0	F8	1041	42.7	+ 4 12	9.9	F8	1063	43.0	+23 8	10.2	A7
31	1013	42.2	+ 7 58	11.6	Mo	..	42.5	+18 13	11.0	A	1162	42.8	+33 46	10.0	B8	..	43.0	+22 57	11.1	A
32	*1026*	42.2	+ 7 1	10.9	F5	..	42.5	+17 36	10.7	Ao	..	42.8	+33 20	10.4	Ao	..	43.0	+22 32	11.1	Ao
33	1102	42.3	+31 4	10.6	K2	876	42.5	+16 10	10.4	A3	..	42.8	+32 47	10.8	B9	..	43.0	+22 10	11.6	A
34	899	42.3	+28 57	10.4	F8	938	42.5	+15 7	10.7	A2	..	42.8	+32 39	11.5	A3	1001	43.0	+21 58	10.6	Fo
35	901	42.3	+28 29	9.9	F8	..	42.5	+13 3	10.8	A3	1021	42.8	+30 3	9.7	K2	1112	43.0	+20 59	11.2	G5
36	870	42.3	+27 9	10.6	A	903	42.5	+12 55	10.1	Ao	1008	42.8	+29 39	9.8	Ko	1113	43.0	+20 3	11.2	K7
37	987	42.3	+25 17	10.5	G5	889	42.5	+10 8	10.5	G5	965	42.8	+26 13	10.6	Ao	1079	43.0	+19 53	9.4	B5
38	..	42.3	+24 17	11.7	A	958	42.5	+ 9 19	10.2	F8	990	42.8	+25 17	10.4	Ao	1015	43.0	+17 26	9.8	G5
39	..	42.3	+21 31	12.0	A	..	42.5	+ 8 28	11.7	A2	..	42.8	+22 33	11.6	G5	..	43.0	+12 54	11.1	A
40	1103	42.3	+20 42	9.0	B8	..	42.5	+ 7 46	10.9	Go	1044	42.8	+22 27	10.6	K2	..	43.0	+11 27	10.8	Ao
41	..	42.3	+20 36	11.2	A	..	42.5	+ 4 52	10.6	F5	..	42.8	+22 12	11.3	Ao	..	43.0	+10 42	11.4	A7
42	1102	42.3	+20 17	10.2	Fo	1159	42.6	+33 56	10.0	Go	..	42.8	+19 17	10.7	F2	962	43.0	+ 9 3	11.1	Go
43	..	42.3	+20 15	10.4	A7	..	42.6	+33 51	10.1	Ao	..	42.8	+18 58	10.5	A2	..	43.1	+31 9	10.8	F5
44	874	42.3	+16 55	10.7	K7	1095	42.6	+32 27	10.8	A	1014	42.8	+17 7	11.5	G5	..	43.1	+28 19	10.8	A
45	..	42.3	+ 4 28	11.6	Ko	1106	42.6	+31 48	9.4	B	878	42.8	+16 30	10.6	Ko	877	43.1	+27 57	10.6	K2
46	1156	42.4	+33 52	9.9	B5	..	42.6	+29 31	11.0	A	..	42.8	+14 52	10.8	Ao	966	43.1	+26 55	10.0	Ao
47	1157	42.4	+33 13	9.1	F5	..	42.6	+28 48	10.8	Ko	906	42.8	+12 15	11.8	K5	971	43.1	+24 17	10.4	A2
48	..	42.4	+32 58	11.8	Ko	..	42.6	+28 22	11.0	A	..	42.8	+11 0	11.0	Ao	..	43.1	+23 13	10.8	B9
49	1093	42.4	+32 46	9.7	Ao	905	42.6	+28 18	10.6	Ko	961	42.8	+ 9 22	10.2	A7	1002	43.1	+21 3	10.4	Ao
50	1103	42.4	+31 10	9.4	Ao	904	42.6	+28 13	10.4	Fo	..	42.8	+ 7 52	11.6	Ko	1080	43.1	+19 12	10.7	K7

$+3°.0$ to $+34°.0$

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247900 — $5^h\ 43^m.1$ to $5^h\ 44^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1081	43.1	+19 2	10.4	Ao	1028	43.3	+14 13	11.0	F8	947	43.5	+11 9	11.9	K5	997	43.8	+25 22	10.3	Ko
2	..	43.1	+18 54	10.7	Ao	985	43.3	+13 13	9.9	F5	895	43.5	+10 50	10.9	B9	976	43.8	+24 54	10.4	Ao
3	..	43.1	+18 12	10.4	B8	908	43.3	+12 5	10.0	G5	*967*	43.5	+10 0	10.6	G5	977	43.8	+24 5	11.1	Ko
4	984	43.1	+13 15	10.4	A5	..	43.3	+ 8 0	10.8	G5	968	43.5	+ 9 6	10.4	K2	1073	43.8	+23 26	11.0	A7
5	..	43.1	+11 34	11.6	G5	..	43.4	+33 50	11.4	Go	..	43.5	+ 5 29	10.8	G5	..	43.8	+21 22	11.6	A
6	963	43.1	+ 9 28	9.1	F5	..	43.4	+32 56	10.6	A5	1165	43.6	+33 7	9.7	Ao	1119	43.8	+20 57	11.5	K5
7	964	43.1	+ 9 20	10.0	G5	1110	43.4	+31 50	10.8	G	..	43.6	+32 57	11.8	A3	1120	43.8	+20 50	10.8	K7
8	1075	43.1	+ 8 20	9.7	F2	..	43.4	+30 54	11.1	A	..	43.6	+32 36	11.3	Ao	1086	43.8	+19 3	10.5	A3
9	1098	43.2	+32 56	9.0	Ko	969	43.4	+26 54	10.4	A	882	43.6	+27 43	10.4	Go	..	43.8	+18 40	11.0	Ao
10	..	43.2	+31 44	10.8	F	968	43.4	+26 13	10.0	F5	1072	43.6	+23 40	9.4	A2	1036	43.8	+14 23	8.8	B8
11	..	43.2	+30 54	10.9	A	995	43.4	+25 40	9.7	A3	..	43.6	+20 54	10.9	Ao	896	43.8	+10 12	10.4	Go
12	1022	43.2	+30 7	9.5	B3	974	43.4	+24 48	10.0	B8	1118	43.6	+20 38	11.3	G	972	43.8	+ 9 36	9.3	F2
13	1010	43.2	+29 9	9.8	Ao	1071	43.4	+23 25	10.2	A2	*1084*	43.6	+20 0	10.6	K2	1077	43.8	+ 8 12	10.3	Ao
14	..	43.2	+28 21	11.0	A	..	43.4	+21 51	11.6	A	976	43.6	+18 58	10.0	A3	..	43.8	+ 7 30	11.1	G5
15	967	43.2	+26 21	9.9	A3	1006	43.4	+21 34	10.4	F8	..	43.6	+18 52	10.8	A	1032	43.8	+ 6 9	10.2	F5
16	993	43.2	+25 14	9.4	Ao	*1115*	43.4	+21 0	9.2	F5	..	43.6	+16 47	11.4	G	..	43.8	+ 5 28	10.8	F8
17	972	43.2	+24 10	9.8	A3	1116	43.4	+20 33	9.0	F	..	43.6	+11 30	11.7	A2	1023	43.8	+ 5 14	10.0	A3
18	1068	43.2	+23 47	11.0	A2	1083	43.4	+19 23	10.3	A3	970	43.6	+ 9 51	9.5	K2	884	43.9	+27 29	11.6	K7
19	1067	43.2	+23 40	11.2	A	972	43.4	+18 28	9.2	B9	1020	43.6	+ 7 45	9.8	F2	..	43.9	+26 42	10.6	A
20	1069	43.2	+23 35	9.4	Go	..	43.4	+17 33	10.8	F5	1031	43.6	+ 6 38	9.8	Go	..	43.9	+26 5	10.6	A
21	1045	43.2	+22 32	10.8	Ao	..	43.4	+16 21	11.2	G5	1022	43.6	+ 5 57	10.6	G5	998	43.9	+25 49	10.0	A5
22	1004	43.2	+21 36	11.0	K5	942	43.4	+15 9	12.0	K7	1047	43.6	+ 4 54	11.6	K2	1074	43.9	+23 38	10.4	B9
23	1114	43.2	+20 26	10.3	B8	1029	43.4	+14 58	11.0	F8	1042	43.6	+ 3 43	11.6	Mo	1121	43.9	+20 10	10.9	K5
24	1082	43.2	+19 47	10.8	K7	1030	43.4	+14 47	10.8	G5	1025	43.7	+30 59	9.6	A2	977	43.9	+18 34	10.4	K2
25	..	43.2	+19 2	var.	Go	946	43.4	+11 21	11.6	Ao	..	43.7	+30 27	10.8	K2	..	43.9	+18 13	10.4	F5
26	941	43.2	+15 41	10.7	Go	894	43.4	+10 28	10.8	A5	..	43.7	+24 9	11.0	A	1022	43.9	+17 31	10.6	Ko
27	..	43.2	+14 50	11.0	G	*966*	43.4	+10 1	11.3	A	1049	43.7	+22 47	11.2	A3	1023	43.9	+17 15	10.2	B9
28	893	43.2	+10 5	10.4	A5	965	43.4	+ 9 28	10.8	A2	..	43.7	+21 5	11.2	A	883	43.9	+16 59	10.4	Ko
29	1028	43.2	+ 6 3	10.6	F8	..	43.4	+ 8 12	11.2	G5	1085	43.7	+19 59	10.0	F5	989	43.9	+13 40	10.7	K7
30	1020	43.2	+ 5 45	10.8	Go	1019	43.4	+ 7 7	10.5	Go	..	43.7	+19 29	10.8	A	913	43.9	+12 10	9.8	Go
31	1164	43.3	+33 25	9.6	B9	1030	43.4	+ 6 20	10.0	F5	..	43.7	+18 58	10.5	A	..	43.9	+11 28	11.7	G5
32	1099	43.3	+32 57	9.3	Ko	1021	43.4	+ 5 48	10.6	Ko	..	43.7	+18 37	10.3	Fo	..	43.9	+ 9 51	11.0	A3
33	1100	43.3	+32 36	10.3	G5	1101	43.5	+32 12	10.0	F8	..	43.7	+17 12	11.5	Go	..	43.9	+ 8 21	11.6	K7
34	1109	43.3	+31 48	11.2	K5	..	43.5	+31 22	11.2	K7	..	43.7	+17 10	11.2	G	1044	43.9	+ 3 16	11.2	K7
35	..	43.3	+31 43	11.0	A	..	43.5	+30 54	10.9	G	1035	43.7	+14 44	11.0	A5	..	44.0	+33 35	11.0	Go
36	..	43.3	+31 29	10.6	A	1023	43.5	+30 21	9.4	A7	..	43.7	+14 33	10.9	A3	..	44.0	+31 51	10.8	B9
37	..	43.3	+31 7	11.0	Ao	908	43.5	+28 17	10.6	F8	987	43.7	+13 56	9.3	A2	971	44.0	+26 56	8.8	Go
38	879	43.3	+27 8	10.1	B8	..	43.5	+28 10	10.8	A	948	43.7	+11 47	11.5	G5	970	44.0	+26 14	10.8	Go
39	994	43.3	+25 28	10.4	A3	881	43.5	+27 6	9.5	K2	..	43.7	+ 9 34	10.8	A2	..	44.0	+25 29	10.6	A
40	1070	43.3	+23 53	10.4	Ko	..	43.5	+24 26	11.0	A	971	43.7	+ 9 7	10.8	K2	1075	44.0	+23 44	10.2	Ao
41	1047	43.3	+22 51	10.2	A2	975	43.5	+24 25	10.6	F2	1076	43.7	+ 8 46	10.6	Go	1053	44.0	+22 4	10.0	Go
42	1046	43.3	+22 4	10.6	Fo	..	43.5	+21 2	10.5	A5	..	43.7	+ 8 35	11.6	Mo	1123	44.0	+20 37	10.4	K7
43	1005	43.3	+21 27	11.4	K2	1117	43.5	+20 43	10.0	Ko	..	43.7	+ 7 29	10.8	Ko	1124	44.0	+20 32	10.3	F2
44		43.3	+21 27	10.6	Ao	..	43.5	+20 29	10.8	B8	..	43.7	+ 5 9	10.6	A5	943	44.0	+15 37	10.6	A7
45	..	43.3	+19 27	10.9	A	*975*	43.5	+19 1	10.5	K7	..	43.8	+33 26	11.4	G5	944	44.0	+15 13	11.3	K5
46	971	43.3	+18 59	9.9	A2	974	43.5	+18 50	10.6	Go	..	43.8	+32 54	11.6	A2	..	44.0	+12 35	10.8	Go
47	1016	43.3	+17 59	10.3	A2	..	43.5	+17 11	10.8	F2	1103	43.8	+32 21	10.4	Ao	914	44.0	+12 2	9.2	B9
48	1017	43.3	+17 55	10.1	A	..	43.5	+14 43	12.0	K7	1114	43.8	+31 58	10.8	Ko	974	44.0	+ 9 40	10.2	B9
49	882	43.3	+16 41	11.6	K5	1031	43.5	+14 31	10.6	Ao	1113	43.8	+31 54	10.6	G5	975	44.0	+ 9 31	9.6	Go
50	881	43.3	+16 10	9.6	F8	1032	43.5	+14 6	10.1	A3	1026	43.8	+30 14	10.6	Ao	1022	44.0	+ 7 44	10.4	Ko

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1021	44.0	+ 7 27	10.8	F5	911	44.3	+28 15	10.3	A7	917	44.5	+12 28	10.2	F5	..	44.8	+19 0	11.2	A
2	1024	44.0	+ 5 35	10.8	A5	974	44.3	+26 51	10.4	F2	900	44.5	+10 9	10.7	G5	..	44.8	+18 52	10.4	Ao
3	..	44.0	+ 4 34	11.1	G5	1000	44.3	+25 28	10.3	A2	1036	44.5	+ 6 52	10.2	A2	..	44.8	+17 9	11.2	F2
4	1105	44.1	+32 25	11.1	K7	979	44.3	+24 22	10.0	B8	1167	44.6	+33 33	10.5	Fo	887	44.8	+16 49	10.0	A2
5	..	44.1	+32 6	10.8	F8	1076	44.3	+23 37	10.8	Go	..	44.6	+33 5	11.0	A5	..	44.8	+16 22	10.7	A3
6	..	44.1	+31 23	10.7	Fo	1055	44.3	+22 27	10.6	Fo	..	44.6	+32 52	11.2	Ao	1040	44.8	+14 20	10.3	Fo
7	..	44.1	+30 32	10.1	A2	980	44.3	+18 15	10.4	Ko	..	44.6	+32 34	11.2	Fo		44.8	+14 20	9.5	A2
8	972	44.1	+26 58	9.8	F	..	44.3	+17 42	11.0	Fo	1013	44.6	+29 9	11.0	A	..	44.8	+13 13	9.8	Ao
9	999	44.1	+25 11	10.6	K2	..	44.3	+16 44	11.2	A	912	44.6	+28 35	10.6	G5	..	44.8	+12 42	10.5	A3
10	978	44.1	+24 39	11.0	G5	..	44.3	+16 25	10.7	F8	914	44.6	+28 30	10.6	Ko	951	44.8	+11 54	10.2	F8
11	..	44.1	+23 40	11.1	A	1038	44.3	+14 57	10.8	Fo	913	44.6	+28 5	10.2	A2	..	44.8	+ 9 34	11.6	F8
12	1009	44.1	+21 6	11.1	Go	992	44.3	+13 34	11.4	Ko	981	44.6	+24 47	10.8	A	*1085*	44.8	+ 9 1	10.9	K5
13	1125	44.1	+20 59	10.4	A7	991	44.3	+13 19	10.8	A3	1079	44.6	+23 30	10.6	G	1027	44.8	+ 5 47	10.6	K2
14	1087	44.1	+19 33	11.2	Ko	915	44.3	+12 54	10.4	F8	..	44.6	+21 28	11.2	A2	..	44.8	+ 3 36	11.6	F8
15	979	44.1	+18 50	10.3	Ao	976	44.3	+ 9 37	9.6	A3	..	44.6	+21 25	11.6	A	1170	44.9	+33 9	9.4	B8
16	..	44.1	+16 45	11.5	F8	..	44.3	+ 8 24	11.0	F5	886	44.6	+16 41	9.4	A5	1121	44.9	+31 32	10.6	Ko
17	990	44.1	+13 26	10.2	G5	..	44.3	+ 6 10	11.3	Ko	..	44.6	+15 11	11.1	A	1122	44.9	+31 19	10.2	Ao
18	..	44.1	+13 25	10.9	Go	..	44.3	+ 3 54	11.4	Ko	..	44.6	+14 18	11.0	Ko	1014	44.9	+29 51	10.8	A
19	..	44.1	+13 0	10.8	A2	1046	44.3	+ 3 41	11.8	K2	994	44.6	+13 16	10.4	K7	916	44.9	+28 30	10.6	A
20	..	44.1	+11 57	11.0	Ao	..	44.4	+33 2	10.3	Go	901	44.6	+10 37	11.2	Mo	889	44.9	+27 25	10.4	Ao
21	..	44.1	+11 42	11.2	A3	1108	44.4	+32 59	10.2	A	902	44.6	+10 21	10.0	Ko	984	44.9	+24 55	10.6	Ko
22	..	44.1	+10 24	11.1	K5	..	44.4	+32 43	10.7	A	*977*	44.6	+10 0	10.1	G5	..	44.9	+22 39	10.9	A5
23	898	44.1	+10 5	10.4	Go	1001	44.4	+25 11	10.2	B8	1083	44.6	+ 8 19	9.9	B9	1058	44.9	+22 2	11.2	Ko
24	*1078*	44.1	+ 9 0	9.7	A7	..	44.4	+23 54	10.7	A3	1039	44.6	+ 6 45	10.8	Go	..	44.9	+19 6	11.2	A
25	1023	44.1	+ 7 33	11.4	K5	1077	44.4	+23 27	9.2	G5	1038	44.6	+ 6 41	11.2	Ko	986	44.9	+18 55	9.4	Ko
26	..	44.1	+ 6 1	11.0	G5	..	44.4	+23 14	11.1	A	..	44.7	+32 50	11.4	K5	..	44.9	+18 41	10.9	A
27	1025	44.1	+ 5 41	10.9	A7	1126	44.4	+20 53	10.4	Ao	..	44.7	+32 2	10.9	A7	1030	44.9	+17 21	8.9	A3
28	..	44.1	+ 5 33	11.2	Go	981	44.4	+18 55	9.4	Ko	..	44.7	+30 46	11.0	Ko	1042	44.9	+14 52	10.5	Go
29	1166	44.2	+33 10	10.6	G5	1027	44.4	+17 25	10.8	K7	915	44.7	+28 39	9.9	Ao	997	44.9	+13 51	9.4	K2
30	1106	44.2	+32 21	11.4	G5	1025	44.4	+17 23	11.4	K5	982	44.7	+24 36	10.6	B9	998	44.9	+13 11	10.4	A3
31	..	44.2	+31 55	10.5	B5	..	44.4	+16 26	11.4	Ko	1057	44.7	+22 26	10.8	K7	..	44.9	+13 8	10.3	A2
32	1116	44.2	+31 42	9.9	Ao	993	44.4	+13 40	10.6	K2	1010	44.7	+21 16	10.8	A3	1086	44.9	+ 8 35	10.0	Go
33	..	44.2	+31 38	10.8	Ao	..	44.4	+ 9 25	11.6	A3	..	44.7	+20 54	11.0	Ao	..	44.9	+ 8 1	11.4	Fo
34	..	44.2	+31 36	11.0	A	..	44.4	+ 4 7	11.2	Fo	1129	44.7	+20 31	10.4	F5	*1040*	44.9	+ 7 1	10.4	Go
35	..	44.2	+31 16	10.7	K5	1047	44.4	+ 3 51	11.6	K7	1091	44.7	+19 40	10.5	G5	..	45.0	+33 56	10.4	B9
36	1012	44.2	+29 43	9.8	K5	..	44.5	+33 46	10.3	A2	985	44.7	+18 54	8.9	F5	..	45.0	+31 57	10.5	B9
37	..	44.2	+26 54	10.8	A	1118	44.5	+31 26	10.4	A	..	44.7	+18 17	10.7	A3	..	45.0	+31 50	11.0	Fo
38	..	44.2	+24 0	11.0	A	1003	44.5	+25 23	10.8	A	..	44.7	+17 18	11.4	K5	1124	45.0	+31 7	10.9	A
39	..	44.2	+22 41	11.0	Ao	1056	44.5	+22 37	10.3	Ao	..	44.7	+16 26	10.4	A2	1015	45.0	+29 43	10.4	A
40	..	44.2	+21 54	11.0	A	..	44.5	+22 9	11.4	Go	948	44.7	+15 56	10.6	F5	890	45.0	+27 38	9.7	B3
41	1088	44.2	+19 53	9.8	G5	1127	44.5	+20 8	11.2	Ko	..	44.7	+14 9	10.9	Ao	1082	45.0	+23 51	9.8	Go
42	..	44.2	+16 50	10.8	F8	1090	44.5	+19 59	10.4	Go	1082	44.7	+ 8 53	10.7	F5	1080	45.0	+23 8	9.8	Go
43	..	44.2	+15 14	11.2	G5	..	44.5	+18 49	10.1	A2	..	44.7	+ 6 43	10.9	A3	1060	45.0	+22 36	11.0	Go
44	..	44.2	+ 9 48	10.8	A5	..	44.5	+18 44	10.3	Ao	1168	44.8	+33 49	10.2	A3	..	45.0	+22 30	10.8	A
45	1079	44.2	+ 8 41	10.8	Ko	1028	44.5	+17 1	10.5	Ao	..	44.8	+33 23	10.9	A3	..	45.0	+22 25	11.6	A
46	..	44.2	+ 7 55	10.8	F8	885	44.5	+16 32	11.1	A2	1169	44.8	+33 4	9.6	A	1061	45.0	+22 9	10.3	F2
47	..	44.2	+ 4 57	11.5	G5		44.5	+16 32	10.9	Mo	..	44.8	+32 39	10.8	A2	1133	45.0	+20 20	9.3	A3
48	1051	44.2	+ 4 7	10.6	K2	884	44.5	+16 5	10.6	G5	1120	44.8	+31 39	10.5	Ao	1092	45.0	+19 13	10.4	A5
49	1117	44.3	+31 11	10.8	K7	1039	44.5	+14 7	10.7	F8	..	44.8	+29 35	10.8	A	..	45.0	+17 58	10.1	Ao
50	..	44.3	+28 17	10.2	Ao	..	44.5	+13 59	10.7	Ko	1130	44.8	+20 56	10.6	Go	..	45.0	+17 43	12.0	K5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	45.0	+15 5	10.8	Ao	..	45.2	+ 6 25	11.0	F8	..	45.5	+18 0	10.6	A	921	45.8	+28 5	var.	B9
2	*1043*	45.0	+15 1	10.5	Ao	..	45.3	+33 39	10.7	G5	..	45.5	+16 56	11.2	Go	1010	45.8	+25 16	10.3	Go
3	1046	45.0	+14 57	11.1	K5	1173	45.3	+33 16	11.0	M	1053	45.5	+14 51	11.2	G5	1009	45.8	+25 5	10.8	K5
4	1045	45.0	+14 4	9.8	Ko	..	45.3	+31 33	9.2	B5	1000	45.5	+13 26	11.0	K2	1066	45.8	+22 49	10.0	Ao
5	..	45.0	+13 24	10.9	A5	..	45.3	+30 51	10.6	Ao	983	45.5	+ 9 34	10.8	A3	..	45.8	+22 36	10.8	Ko
6	952	45.0	+11 27	10.2	Ko	891	45.3	+27 49	9.4	Ko	..	45.5	+ 9 26	10.6	A7	1067	45.8	+22 9	10.8	A7
7	..	45.0	+ 9 56	11.2	K5	..	45.3	+21 2	11.7	A	1042	45.5	+ 6 7	11.4	Ko	1013	45.8	+21 13	10.8	A2
8	..	45.0	+ 9 29	11.0	A	1032	45.3	+17 52	9.2	Go	1032	45.5	+ 5 30	11.3	K2	1139	45.8	+20 48	10.0	Ao
9	979	45.0	+ 9 0	10.4	F5	..	45.3	+17 26	10.4	K5	1056	45.5	+ 4 31	10.4	F8	1101	45.8	+19 35	10.4	F8
10	1041	45.0	+ 6 34	10.2	F2	..	45.3	+17 12	10.8	B8	1052	45.5	+ 3 36	10.8	K2	991	45.8	+18 15	9.8	Go
11	..	45.0	+ 5 54	10.4	A7	889	45.3	+16 58	10.3	A3	920	45.6	+28 14	8.8	B5	..	45.8	+17 44	11.2	Go
12	1029	45.0	+ 5 25	10.6	F8	888	45.3	+16 13	10.8	K5	989	45.6	+24 41	10.1	Ko	..	45.8	+17 28	11.5	A
13	..	45.0	+ 5 20	10.7	Go	..	45.3	+16 5	11.4	Ko	1086	45.6	+23 51	11.0	K7	..	45.8	+16 56	11.0	A
14	*1049*	45.0	+ 4 1	10.8	Ao	1050	45.3	+14 1	8.9	Go	989	45.6	+18 51	10.9	Ao	890	45.8	+16 45	10.4	Ko
15	..	45.0	+ 3 32	11.4	Ko	999	45.3	+13 16	9.9	A7	1035	45.6	+17 7	9.7	B9	..	45.8	+15 22	10.6	A7
16	1050	45.0	+ 3 19	11.4	G5	*1088*	45.3	+ 9 0	9.4	Fo	1002	45.6	+13 38	9.9	A2	..	45.8	+12 15	10.4	Ao
17	..	45.0	+ 3 3	11.4	A2	..	45.3	+ 8 51	10.6	F5	1001	45.6	+13 11	10.5	A3	..	45.8	+ 7 29	11.2	F8
18	..	45.1	+33 54	10.5	A5	1030	45.3	+ 5 13	10.1	Go	921	45.6	+12 34	10.3	K5	..	45.8	+ 5 1	11.5	F8
19	..	45.1	+33 29	11.1	A	1175	45.4	+33 40	9.7	Ko	..	45.6	+12 2	10.8	G5	1059	45.8	+ 4 16	9.7	Go
20	..	45.1	+30 52	10.6	Ao	1018	45.4	+29 47	10.6	Ao	907	45.6	+10 46	9.5	K2	..	45.9	+32 32	11.2	Ao
21	1030	45.1	+30 35	9.5	A2	1017	45.4	+29 14	10.4	Ko	906	45.6	+10 42	10.4	G5	1126	45.9	+31 49	10.9	Ko
22	1029	45.1	+30 25	10.0	Go	..	45.4	+28 45	10.8	Ao	..	45.6	+ 7 42	10.1	B9	1036	45.9	+30 1	10.4	Ko
23	976	45.1	+26 30	10.4	A7	987	45.4	+24 37	10.4	A2	1026	45.6	+ 7 40	11.1	K5	923	45.9	+28 59	10.3	A3
24	986	45.1	+24 42	10.7	G5	1064	45.4	+22 40	10.5	Ao	1053	45.6	+ 3 48	10.4	G5	1068	45.9	+22 43	10.8	Ko
25	..	45.1	+24 38	10.8	A	1136	45.4	+20 34	10.0	Go	..	45.7	+33 26	10.1	B9	1069	45.9	+22 27	10.4	F5
26	985	45.1	+24 27	10.5	F5	1097	45.4	+19 17	9.8	A2	1177	45.7	+33 24	10.2	Ao	1141	45.9	+20 35	9.3	Fo
27	..	45.1	+23 41	10.2	A7	1033	45.4	+17 41	10.7	A5	..	45.7	+33 15	10.9	Ao	1140	45.9	+20 13	10.4	A2
28	..	45.1	+22 57	11.0	Ao	1034	45.4	+17 19	10.0	K2	..	45.7	+28 1	11.0	A	..	45.9	+17 31	11.2	A
29	1062	45.1	+22 33	10.7	K5	..	45.4	+16 51	9.6	A2	1008	45.7	+25 39	10.2	Ko	892	45.9	+16 50	10.4	Go
30	1134	45.1	+20 22	9.9	G5	..	45.4	+16 20	11.8	Ko	990	45.7	+24 30	10.9	K2	893	45.9	+16 47	9.3	B9
31	*1094*	45.1	+20 1	11.0	Ao	..	45.4	+16 14	11.0	Go	..	45.7	+23 1	11.2	A5	..	45.9	+16 11	11.2	A
32	1096	45.1	+19 50	9.6	F5	950	45.4	+15 46	9.6	A2	..	45.7	+22 18	11.4	A	1028	45.9	+ 7 55	9.8	F8
33	1095	45.1	+19 6	10.5	Ao	1052	45.4	+14 7	9.7	Fo	..	45.7	+21 49	11.0	A5	1061	45.9	+ 4 26	10.8	Ko
34	..	45.1	+16 55	11.4	Ao	..	45.4	+13 46	11.0	A	1011	45.7	+21 31	10.5	B	1060	45.9	+ 4 5	9.6	A5
35	..	45.1	+13 42	10.6	A3	920	45.4	+12 57	10.4	F8	1012	45.7	+21 1	9.1	Fo	1055	45.9	+ 3 29	10.0	G5
36	..	45.1	+11 17	10.7	A7	..	45.4	+ 5 23	10.8	Ao	1099	45.7	+19 46	10.7	Fo	1178	46.0	+33 49	8.8	B8
37	..	45.1	+ 9 48	10.9	Ko	1031	45.4	+ 5 17	10.0	F8	..	45.7	+19 38	10.8	Ao	..	46.0	+32 26	11.4	Ao
38	980	45.1	+ 9 5	10.4	Ao	1055	45.4	+ 4 10	10.9	Ko	1100	45.7	+19 20	9.4	A3	..	46.0	+31 8	10.8	A
39	..	45.1	+ 7 18	11.5	A2	..	45.5	+28 54	10.8	A	..	45.7	+17 25	10.6	F8	..	46.0	+30 37	10.7	G5
40	1053	45.1	+ 4 15	9.6	F5	979	45.5	+26 24	10.2	F5	952	45.7	+15 29	10.6	K2	..	46.0	+30 15	10.6	A
41	1171	45.2	+33 19	9.4	Ko	1007	45.5	+25 2	10.6	G5	951	45.7	+15 4	10.9	K7	1070	46.0	+22 2	10.5	A2
42	..	45.2	+28 57	11.0	A	..	45.5	+24 48	10.8	A3	984	45.7	+ 9 16	10.8	A5	..	46.0	+20 27	10.8	Mo
43	917	45.2	+28 14	9.6	B9	988	45.5	+24 23	10.8	Ao	..	45.7	+ 7 39	11.0	G5	1142	46.0	+20 24	10.3	Fo
44	977	45.2	+26 28	9.8	A2	..	45.5	+22 42	11.8	A	1027	45.7	+ 7 11	11.0	G5	1107	46.0	+19 33	11.0	A
45	1135	45.2	+20 7	9.7	Ko	1137	45.5	+20 40	10.0	F8	1043	45.7	+ 6 32	10.8	A7	1103	46.0	+19 27	10.6	A
46	..	45.2	+20 5	10.8	A7	..	45.5	+20 31	11.0	Go	1058	45.7	+ 4 24	10.0	G5	1105	46.0	+19 4	10.9	Ko
47	..	45.2	+15 15	11.1	A2	1098	45.5	+19 54	10.7	Ao	1114	45.8	+32 42	11.4	A2	..	46.0	+17 38	11.4	K2
48	..	45.2	+15 9	11.0	Ko	..	45.5	+19 17	10.7	A2	..	45.8	+32 21	11.0	Go	894	46.0	+16 9	9.7	F2
49	1049	45.2	+14 41	10.8	K7	..	45.5	+19 6	10.5	Fo	..	45.8	+30 25	10.9	Ko	955	46.0	+15 11	10.6	F5
50	..	45.2	+13 43	10.7	Ao	988	45.5	+18 3	10.2	Ao	..	45.8	+28 36	10.7	A	923	46.0	+12 37	9.6	A2

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$5^h\ 46^m.0$ to $5^h\ 47^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	46.0	+11 12	11.4	K7	1054	46.3	+14 47	9.8	Mo	..	46.6	+30 31	11.2	K5	963	46.8	+15 5	9.5	F5
2	909	46.0	+10 33	9.4	F8	1056	46.3	+14 43	10.6	K2	895	46.6	+27 58	10.1	Go	1010	46.8	+13 7	10.0	Fo
3	1033	46.0	+ 5 4	10.4	A3	1057	46.3	+14 16	9.2	F8	894	46.6	+27 21	11.2	K5	956	46.8	+11 55	10.8	Go
4	1062	46.0	+ 4 54	10.0	F5	1055	46.3	+14 5	8.6	Ao	1018	46.6	+21 55	11.1	Fo	987	46.8	+ 9 23	10.4	K7
5	1057	46.0	+ 3 54	9.8	G5	1004	46.3	+13 51	9.8	G5	1112	46.6	+19 52	10.7	Ao	1097	46.8	+ 8 3	10.2	Fo
6	1056	46.0	+ 3 25	10.9	K5	1093	46.3	+ 8 19	10.6	F8	..	46.6	+19 4	10.4	A2	..	46.8	+ 6 42	11.0	Ao
7	925	46.1	+28 29	10.8	Go	..	46.4	+33 15	10.6	A	..	46.6	+17 17	11.3	F5	1050	46.8	+ 6 31	10.8	Ko
8	992	46.1	+24 38	11.2	K5	..	46.4	+32 57	10.9	Ao	961	46.6	+15 55	11.4	F8	..	46.8	+ 4 56	11.4	G5
9	993	46.1	+24 22	10.5	A2	1117	46.4	+32 45	11.0	K5	..	46.6	+13 34	11.6	A	1059	46.8	+ 3 48	10.4	F8
10	1088	46.1	+23 53	10.2	F5	893	46.4	+27 17	10.8	F2	..	46.6	+12 59	10.8	Ao	1131	46.9	+31 36	10.9	A
11	1015	46.1	+21 47	11.1	K5	1012	46.4	+25 43	10.6	K7	912	46.6	+10 39	10.0	F2	1132	46.9	+31 28	9.2	Ao
12	1108	46.1	+19 51	10.8	Ko	995	46.4	+24 6	10.0	Ko	..	46.6	+ 9 21	10.9	A7	..	46.9	+30 13	11.1	A
13	..	46.1	+16 12	10.7	F5	..	46.4	+20 23	11.1	Ao	986	46.6	+ 9 5	10.4	Fo	..	46.9	+29 40	10.9	A
14	956	46.1	+15 54	10.3	B8	..	46.4	+19 37	11.2	A	*1095*	46.6	+ 9 0	10.7	Go	..	46.9	+28 57	10.0	Ao
15	..	46.1	+15 51	9.6	F5	..	46.4	+19 4	11.1	A	..	46.6	+ 7 12	11.8	G5	897	46.9	+27 36	9.6	F5
16	..	46.1	+15 29	11.6	G	..	46.4	+16 47	10.1	A2	1064	46.6	+ 4 14	11.3	F5	898	46.9	+27 1	10.4	B8
17	1092	46.1	+ 8 50	10.6	Go	960	46.4	+15 53	10.3	Ao	..	46.7	+32 23	11.4	G5	986	46.9	+26 53	10.4	A3
18	..	46.1	+ 6 36	10.8	A3	..	46.4	+ 8 57	11.4	G5	..	46.7	+29 15	10.8	A	987	46.9	+26 1	9.4	Ao
19	..	46.1	+ 5 48	11.4	Go	1094	46.4	+ 8 38	9.6	Go	928	46.7	+28 31	10.9	A	1016	46.9	+25 51	10.2	B9
20	..	46.2	+33 26	10.6	Ao	1047	46.4	+ 6 35	9.9	Go	1090	46.7	+23 57	10.1	Fo	..	46.9	+24 34	11.4	A
21	1116	46.2	+32 31	10.3	F5	..	46.4	+ 5 14	11.9	K5	1075	46.7	+22 15	9.8	Fo	1000	46.9	+24 33	10.5	B9
22	..	46.2	+32 16	11.8	F	..	46.4	+ 5 4	11.5	Go	1019	46.7	+21 48	10.4	Fo	1092	46.9	+23 59	10.5	A3
23	1129	46.2	+31 54	10.7	Ao	1180	46.5	+33 8	11.0	K5	1039	46.7	+17 51	10.7	K5	1093	46.9	+23 42	10.1	B5
24	1128	46.2	+31 39	10.6	A5	..	46.5	+32 9	10.9	A	..	46.7	+17 45	11.2	A	1078	46.9	+22 59	10.6	Fo
25	1038	46.2	+30 37	9.8	A2	..	46.5	+30 45	11.2	A	1038	46.7	+17 40	10.6	A2	1077	46.9	+22 36	10.6	B8
26	1023	46.2	+29 34	10.4	A	1039	46.5	+30 39	9.6	Ao	..	46.7	+16 26	11.5	A	..	46.9	+22 0	10.6	B
27	..	46.2	+28 24	10.9	A	..	46.5	+30 10	11.1	A	962	46.7	+15 9	9.6	Go	1022	46.9	+21 27	10.9	Ko
28	..	46.2	+28 19	10.9	A	926	46.5	+28 19	10.8	Go	1059	46.7	+14 27	8.6	B9	1148	46.9	+20 46	9.8	Ko
29	981	46.2	+26 29	10.4	K7	..	46.5	+28 2	11.0	K	..	46.7	+13 5	10.8	F5	1115	46.9	+19 34	10.6	F2
30	1011	46.2	+25 46	10.0	F5	984	46.5	+26 26	10.0	Ao	926	46.7	+12 33	10.8	Mo	994	46.9	+18 54	10.4	Ao
31	994	46.2	+24 7	10.8	F8	1013	46.5	+25 54	9.8	Ko	1096	46.7	+ 8 41	10.0	F8	995	46.9	+18 6	9.8	Ko
32	1089	46.2	+23 59	10.7	Ao	996	46.5	+24 12	9.9	A2	1031	46.7	+ 7 43	10.8	K7	1009	46.9	+13 40	10.0	K2
33	1071	46.2	+22 9	10.4	Ko	1017	46.5	+21 32	10.2	G5	..	46.7	+ 5 42	11.6	A	..	46.9	+13 18	10.4	A5
34	..	46.2	+19 17	10.8	Ao	..	46.5	+21 13	11.2	A7	..	46.8	+33 39	10.9	A2	928	46.9	+12 31	10.2	K7
35	895	46.2	+16 36	10.4	F5	1145	46.5	+20 37	10.4	A3	1029	46.8	+29 19	10.5	A2	957	46.9	+11 57	10.9	G5
36	..	46.2	+16 20	11.2	G5	1146	46.5	+20 6	10.8	F2	1015	46.8	+25 44	10.0	A2	989	46.9	+ 9 17	10.6	G5
37	..	46.2	+16 0	11.2	G5	1111	46.5	+19 7	8.9	A5	998	46.8	+24 56	10.5	A2	..	46.9	+ 8 46	11.4	G5
38	957	46.2	+15 37	9.4	Ko	..	46.5	+17 35	10.6	Ao	1091	46.8	+23 35	9.9	K2	..	47.0	+33 13	10.8	A
39	1005	46.2	+13 30	10.5	A5	..	46.5	+17 23	10.7	A3	1076	46.8	+22 29	10.6	Ao	..	47.0	+32 23	11.3	A
40	1046	46.2	+ 6 48	9.8	A5	..	46.5	+17 6	11.6	A	1021	46.8	+21 36	11.2	Mo	..	47.0	+31 32	11.0	A
41	1045	46.2	+ 6 9	10.8	G5	..	46.5	+16 55	11.6	A	1020	46.8	+21 9	9.7	F8	1030	47.0	+29 59	9.8	Ao
42	..	46.3	+30 56	11.0	A	..	46.5	+16 26	11.3	Ao	1147	46.8	+20 52	10.2	Fo	..	47.0	+28 2	10.9	Ko
43	1024	46.3	+29 14	10.0	Ko	..	46.5	+13 42	10.3	Ao	..	46.8	+20 43	11.6	A	1018	47.0	+25 48	9.9	A2
44	892	46.3	+27 42	10.6	K5	1008	46.5	+13 33	11.0	K	..	46.8	+19 53	10.8	A2	1017	47.0	+25 1	10.8	K7
45	1016	46.3	+21 54	9.5	Ao	..	46.5	+13 13	10.7	Ao	1114	46.8	+19 35	10.7	Ao	1003	47.0	+24 57	11.0	K5
46	1109	46.3	+19 6	10.6	F5	955	46.5	+11 9	10.8	K7	992	46.8	+18 53	9.6	A5	1002	47.0	+24 34	10.4	Ao
47	1037	46.3	+17 9	11.6	K7	1030	46.5	+ 7 45	10.9	K2	..	46.8	+18 31	11.3	F	1095	47.0	+23 40	10.6	Ko
48	..	46.3	+16 5	11.6	A	1048	46.5	+ 6 32	10.8	Go	..	46.8	+17 40	11.3	G5	1094	47.0	+23 18	10.9	Go
49	958	46.3	+15 22	10.4	Ao	..	46.6	+32 25	11.1	A7	965	46.8	+15 35	11.4	K5	..	47.0	+20 27	11.0	Go
50	959	46.3	+15 3	9.6	F8	1130	46.6	+31 43	10.2	A5	..	46.8	+15 20	10.6	F8	..	47.0	+19 13	11.1	A

$+3°.0$ to $+34°.0$

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248700 — $5^h\ 47^m.0$ to $5^h\ 48^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	47.0	+18 59	11.4	A3	1042	47.3	+30 17	9.8	B5	..	47.5	+13 42	10.3	Ko	1100	47.7	+ 8 2	11.2	Go
2	..	47.0	+17 28	11.6	G5	1043	47.3	+30 5	10.8	K5	930	47.5	+12 28	11.0	K7	..	47.7	+ 7 35	10.7	A3
3	..	47.0	+17 14	11.3	G5	1019	47.3	+25 43	8.4	Bo	1036	47.5	+ 7 57	11.4	G5	1038	47.7	+ 5 41	9.8	Go
4	1040	47.0	+17 3	10.2	Go	..	47.3	+24 45	10.9	G5	..	47.5	+ 7 40	11.0	Go	..	47.8	+32 20	11.0	A
5	..	47.0	+16 3	11.2	A	..	47.3	+21 54	11.2	Ao	1053	47.5	+ 6 35	10.9	K7	1023	47.8	+25 26	10.1	A2
6	..	47.0	+15 57	11.3	F	1155	47.3	+20 14	10.0	A7	1037	47.5	+ 5 17	9.9	G5	..	47.8	+20 17	11.0	A
7	966	47.0	+15 8	10.0	K2	968	47.3	+15 21	9.7	B8	1066	47.5	+ 4 23	10.7	G5	..	47.8	+20 4	11.3	G5
8	1061	47.0	+14 41	9.8	A2	929	47.3	+12 54	9.8	F2	1063	47.5	+ 3 19	11.5	K5	1005	47.8	+18 31	9.7	F8
9	1011	47.0	+13 53	9.6	Ao	958	47.3	+11 38	10.0	A2	1186	47.6	+33 6	9.9	Ao	1004	47.8	+18 20	10.8	K
10	..	47.0	+12 16	10.6	A2	993	47.3	+ 9 25	10.3	Go	1034	47.6	+29 22	10.6	F5	1044	47.8	+17 24	9.7	A2
11	1060	47.0	+ 3 5	11.2	Ko	..	47.3	+ 8 17	11.0	F5	1033	47.6	+29 9	10.4	K5	..	47.8	+15 53	10.7	Ao
12	1181	47.1	+33 43	8.6	Go	1062	47.3	+ 3 59	10.5	F5	902	47.6	+27 3	10.4	A2	..	47.8	+15 38	11.2	A
13	..	47.1	+32 52	10.5	A	..	47.4	+32 16	10.6	Ao	990	47.6	+26 24	10.0	K2	1017	47.8	+13 46	9.5	Fo
14	..	47.1	+27 3	10.9	A	1044	47.4	+30 38	9.9	F2	1008	47.6	+24 1	10.3	Ao	..	47.8	+13 10	10.8	A
15	1096	47.1	+23 6	10.4	A2	..	47.4	+29 52	10.8	A	1101	47.6	+23 26	10.2	B9	934	47.8	+12 42	10.6	Ao
16	1151	47.1	+20 57	10.8	K5	1031	47.4	+29 6	10.4	Fo	1086	47.6	+22 31	10.9	Go	933	47.8	+12 29	10.2	A5
17	1150	47.1	+20 24	10.2	K5	932	47.4	+28 39	10.0	Ao	1085	47.6	+22 24	10.0	A	..	47.8	+12 13	10.6	A
18	..	47.1	+20 21	10.6	Ao	900	47.4	+27 31	10.0	F5	1026	47.6	+21 33	10.6	A3	961	47.8	+11 26	10.4	G5
19	..	47.1	+18 6	10.7	Ao	901	47.4	+27 23	10.0	A2	1157	47.6	+20 31	10.8	A5	916	47.8	+10 17	10.4	G5
20	897	47.1	+16 46	10.2	F8	989	47.4	+26 35	9.9	Ao	..	47.6	+19 34	11.6	G5	994	47.8	+ 9 45	11.4	K7
21	896	47.1	+16 8	9.8	Ao	..	47.4	+22 56	11.0	A	..	47.6	+19 20	11.0	K7	1037	47.8	+ 7 36	10.5	A3
22	..	47.1	+15 23	11.0	A3	..	47.4	+22 14	11.0	Fo	..	47.6	+17 18	10.9	A	..	47.8	+ 5 19	11.3	F8
23	1012	47.1	+13 23	10.4	A3	..	47.4	+21 55	10.9	A5	..	47.6	+17 5	11.3	A2	1067	47.8	+ 4 21	11.2	Ko
24	..	47.1	+11 29	10.9	Ao	..	47.4	+21 6	11.2	A	901	47.6	+16 58	10.8	K2	1047	47.9	+30 53	9.6	A2
25	..	47.1	+ 8 51	10.6	Ao	..	47.4	+19 26	10.6	Ao	..	47.6	+16 22	10.3	B9	1046	47.9	+30 37	9.6	F8
26	1183	47.2	+33 36	10.5	F2	999	47.4	+18 21	10.6	A3	1065	47.6	+14 22	10.5	F8	..	47.9	+28 54	10.8	A
27	1184	47.2	+33 16	10.0	Ao	969	47.4	+15 45	10.0	Ao	..	47.6	+13 28	11.4	A	994	47.9	+26 29	10.6	K7
28	..	47.2	+32 14	10.6	B5	970	47.4	+15 20	9.5	Fo	959	47.6	+11 12	10.4	Go	993	47.9	+26 10	10.0	F2
29	..	47.2	+32 0	10.8	K5	1063	47.4	+14 34	9.5	A5	914	47.6	+10 31	10.8	F	1088	47.9	+22 14	10.6	G5
30	1005	47.2	+24 14	10.2	F8	..	47.4	+13 59	10.8	A3	*1099*	47.6	+ 9 0	10.1	Fo	1089	47.9	+22 7	9.9	Ao
31	1006	47.2	+24 4	9.6	A2	1016	47.4	+13 16	9.7	B8	..	47.6	+ 6 52	10.9	Ao	..	47.9	+18 42	11.0	A
32	1097	47.2	+23 34	10.8	F8	..	47.4	+ 8 58	11.0	Ao	..	47.6	+ 6 37	11.0	F8	..	47.9	+18 15	10.8	Ao
33	..	47.2	+22 41	11.2	A	*1035*	47.4	+ 8 0	10.6	F8	1064	47.6	+ 3 50	11.4	F8	972	47.9	+15 33	11.1	A5
34	1079	47.2	+22 16	11.6	K2	*1185*	47.5	+34 1	9.0	B8	1187	47.7	+33 31	10.2	Fo	935	47.9	+12 43	10.6	Ao
35	1024	47.2	+21 54	10.6	Ao	..	47.5	+33 37	11.0	A5	1188	47.7	+33 9	10.7	K5	996	47.9	+ 9 6	10.8	Ko
36	1023	47.2	+21 3	11.0	K2	..	47.5	+30 25	9.7	Ao	1035	47.7	+29 27	10.4	Fo	..	47.9	+ 8 24	11.4	Fo
37	1153	47.2	+20 47	11.1	F	1032	47.5	+29 52	10.8	G	991	47.7	+26 55	9.8	Ao	1038	47.9	+ 7 28	11.4	K2
38	1154	47.2	+20 43	10.5	Go	934	47.5	+28 22	10.7	K2	..	47.7	+24 9	11.9	K5	..	47.9	+ 7 17	11.4	Ko
39	1152	47.2	+20 17	9.8	F5	..	47.5	+28 14	10.7	G5	1028	47.7	+21 30	11.2	G	..	47.9	+ 6 50	12.0	K7
40	997	47.2	+18 57	10.2	K7	*1022*	47.5	+26 0	9.8	B9	1117	47.7	+19 53	10.9	G5	1134	48.0	+31 8	10.2	B
41	996	47.2	+18 8	9.6	Ko	1099	47.5	+23 18	9.7	B9	1119	47.7	+19 36	10.4	Go	1135	48.0	+31 8	10.2	Ao
42	898	47.2	+16 12	9.6	B8	1083	47.5	+22 14	10.2	B8	..	47.7	+18 25	11.2	A	1010	48.0	+24 4	10.1	Ko
43	..	47.2	+15 8	10.8	A5	1082	47.5	+22 9	10.6	G5	1002	47.7	+18 24	11.3	K5	1090	48.0	+22 6	10.0	B
44	967	47.2	+15 8	10.7	K7	1116	47.5	+19 33	11.4	Ko	1003	47.7	+18 1	10.6	A5	1158	48.0	+20 51	9.2	B
45	1014	47.2	+13 25	10.7	F5	1000	47.5	+18 25	9.8	A2	1042	47.7	+17 51	10.6	A3	..	48.0	+16 53	9.4	B5
46	1015	47.2	+13 3	9.6	Fo	900	47.5	+16 17	10.4	K7	..	47.7	+16 33	11.2	Ao	..	48.0	+15 13	10.6	A3
47	991	47.2	+ 9 21	10.2	Ao	..	47.5	+15 51	10.6	F2	*1066*	47.7	+15 0	9.7	Ko	918	48.0	+10 24	10.4	Mo
48	1098	47.2	+ 8 39	10.9	Go	971	47.5	+15 37	11.2	Mo	932	47.7	+12 53	9.5	A7	917	48.0	+10 7	11.2	Ko
49	..	47.2	+ 8 38	11.4	K5	..	47.5	+14 58	10.6	A7	*915*	47.7	+11 1	10.0	A2	997	48.0	+ 9 4	10.8	K5
50	..	47.3	+32 14	10.6	Ao	1064	47.5	+14 51	9.6	Ko	..	47.7	+ 9 3	10.9	A5	1039	48.0	+ 5 19	10.4	G5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1070	48.0	+ 4 30	10.2	Ko	..	48.3	+17 26	10.6	Ao	..	48.5	+ 6 29	10.6	Ao	1071	48.8	+14 36	9.4	Ao
2	1066	48.0	+ 3 21	11.4	Go	974	48.3	+15 51	10.4	F5	..	48.5	+ 5 36	11.2	G5	1063	48.8	+ 6 10	10.6	F5
3	1136	48.1	+31 9	9.6	B	..	48.3	+15 33	11.6	A	..	48.6	+31 58	10.7	B9	..	48.8	+ 4 40	11.6	Go
4	1049	48.1	+30 26	9.7	Ao	1019	48.3	+13 13	9.2	Ko	1051	48.6	+30 47	10.1	K5	908	48.9	+27 9	10.6	A3
5	1048	48.1	+30 21	9.9	B8	999	48.3	+ 9 59	10.3	Go	905	48.6	+27 9	10.5	F2	..	48.9	+24 33	10.9	A2
6	995	48.1	+26 37	8.7	Go	..	48.3	+ 9 30	11.2	Go	1012	48.6	+24 38	10.5	Ao	1105	48.9	+23 29	11.0	G5
7	1103	48.1	+23 57	10.6	K2	..	48.3	+ 8 55	11.4	K7	1163	48.6	+20 5	11.0	Ko	1164	48.9	+20 45	9.8	A3
8	1031	48.1	+21 52	10.6	Ko	1102	48.3	+ 8 49	11.4	K7	..	48.6	+18 41	11.6	A2	..	48.9	+19 27	10.4	A3
9	..	48.1	+21 29	11.4	Fo	1046	48.3	+ 7 28	11.4	G5	..	48.6	+14 17	11.2	Fo	..	48.9	+18 33	11.7	A
10	..	48.1	+17 13	11.2	Ko	*1068*	48.3	+ 4 1	10.8	F8	1020	48.6	+13 51	10.9	G5	..	48.9	+18 20	10.3	Go
11	..	48.1	+17 11	10.6	Ao	1210	48.4	+34 9	10.3	A3	962	48.6	+11 43	9.9	Ko	909	48.9	+16 24	9.9	Go
12	905	48.1	+16 51	10.7	Ao	1138	48.4	+31 46	10.0	F5	..	48.6	+11 0	10.8	Ao	908	48.9	+16 12	11.1	K7
13	973	48.1	+15 25	10.4	K2	..	48.4	+30 1	10.3	A3	925	48.6	+10 52	9.6	Ao	1072	48.9	+14 42	11.0	A
14	..	48.1	+13 13	10.9	A	938	48.4	+28 40	10.0	K2	924	48.6	+10 46	9.4	Ao	*944*	48.9	+13 0	9.8	Go
15	919	48.1	+10 48	9.8	Fo	1093	48.4	+22 49	9.9	Fo	..	48.6	+ 7 42	10.7	Ao	..	48.9	+12 6	10.7	F5
16	..	48.1	+ 8 28	10.6	Go	1092	48.4	+22 35	9.8	A	1047	48.6	+ 7 10	10.8	A5	963	48.9	+11 38	10.5	Mo
17	1057	48.1	+ 6 52	10.5	A5		48.4	+22 35		A	..	48.7	+33 16	10.9	Ao	1071	48.9	+ 4 31	11.6	F8
18	..	48.1	+ 6 9	9.8	Go	..	48.4	+21 32	11.1	A5	941	48.7	+28 11	9.6	B8	1072	48.9	+ 4 3	11.7	K5
19	..	48.2	+33 39	11.2	A5	1160	48.4	+20 47	11.0	K7	998	48.7	+26 53	10.6	A	..	49.0	+31 5	10.8	K5
20	..	48.2	+33 10	11.2	A	1161	48.4	+20 35	10.0	A2	997	48.7	+26 49	10.4	A	943	49.0	+28 22	10.8	A3
21	1189	48.2	+33 4	9.5	F5	1123	48.4	+19 15	10.7	Go	*1013*	48.7	+25 0	10.0	A7	909	49.0	+27 54	9.5	B
22	1137	48.2	+31 12	10.3	Ko	1122	48.4	+19 2	10.4	Ao	1104	48.7	+23 45	11.0	Ko	911	49.0	+27 6	9.6	A2
23	1036	48.2	+29 38	10.3	Ao	*1008*	48.4	+19 0	10.6	F8	1095	48.7	+22 4	10.6	Fo	1015	49.0	+24 52	10.5	Ko
24	1011	48.2	+24 19	9.6	B8	1046	48.4	+17 46	10.4	A5	..	48.7	+15 6	11.2	Ao	1106	49.0	+23 24	9.8	F2
25	1091	48.2	+22 47	10.4	A3	906	48.4	+16 53	10.4	A2	1070	48.7	+14 57	9.8	A2	1097	49.0	+22 56	11.4	Fo
26	1033	48.2	+21 39	10.8	Fo	939	48.4	+12 30	10.5	K5	..	48.7	+13 28	10.8	G5	..	49.0	+22 34	11.1	A5
27	1032	48.2	+21 1	11.0	A3	..	48.4	+12 15	10.7	A	1023	48.7	+13 28	10.3	Ao	1166	49.0	+20 10	9.6	Ao
28	1045	48.2	+17 8	10.2	F5	921	48.4	+10 13	10.6	K5	..	48.7	+11 20	10.6	Ao	1014	49.0	+18 4	9.7	Ao
29	..	48.2	+12 14	10.7	A	..	48.4	+ 9 16	11.4	A2	..	48.7	+ 9 31	11.9	K5	1050	49.0	+17 52	10.5	A2
30	920	48.2	+10 22	11.2	Mo	1060	48.4	+ 6 23	9.8	F5	1002	48.7	+ 9 5	10.8	G5	..	49.0	+17 48	11.2	A
31	..	48.2	+ 9 30	11.0	F8	1050	48.5	+30 19	10.4	K5	..	48.7	+ 8 32	11.3	F8	..	49.0	+17 38	10.7	A2
32	998	48.2	+ 9 21	9.6	A3	904	48.5	+27 34	10.6	F2	..	48.7	+ 7 30	11.4	F8	..	49.0	+16 20	11.2	G5
33	..	48.2	+ 8 50	11.2	G5	1094	48.5	+22 56	9.2	F5	1049	48.7	+ 7 12	11.2	G5	..	49.0	+16 5	11.2	Fo
34	1044	48.2	+ 7 33	10.9	Ko	1034	48.5	+21 55	11.1	F2	1062	48.7	+ 6 42	10.4	K2	1073	49.0	+14 43	10.3	K7
35	..	48.2	+ 7 15	11.4	Ao	..	48.5	+20 2	11.1	F2	1069	48.7	+ 3 7	9.9	F8	1025	49.0	+13 30	9.9	A2
36	1045	48.2	+ 7 9	10.5	F8	..	48.5	+19 10	11.6	A	*1140*	48.8	+32 0	10.4	Fo	..	49.0	+12 13	11.4	K7
37	1043	48.2	+ 7 4	11.0	Ao	1009	48.5	+18 34	9.6	F8	1052	48.8	+30 55	10.7	A	1064	49.0	+ 6 35	11.8	F8
38	1058	48.2	+ 6 13	10.6	G5	1047	48.5	+17 26	9.4	Ao	1053	48.8	+30 16	11.0	K2	..	49.0	+ 6 29	12.0	K
39	..	48.2	+ 6 8	10.6	F5	1048	48.5	+17 12	11.5	K5	..	48.8	+28 14	10.8	A	1038	49.1	+29 41	9.3	B9
40	1067	48.2	+ 3 5	11.1	K2	1068	48.5	+14 51	9.4	F8	907	48.8	+27 5	10.3	Ko	944	49.1	+28 18	10.8	Fo
41	1190	48.3	+33 29	10.8	G5	..	48.5	+14 12	10.6	Ao	1027	48.8	+25 5	10.0	Fo	1167	49.1	+20 47	10.6	K5
42	..	48.3	+33 17	10.8	B9	1069	48.5	+14 11	10.6	Ao	1014	48.8	+24 52	11.5	K2	1128	49.1	+19 35	9.1	Ko
43	937	48.3	+28 53	10.9	Ao	940	48.5	+12 38	9.8	A2	1035	48.8	+21 54	10.5	A2	1127	49.1	+19 14	9.6	Ao
44	939	48.3	+28 3	10.0	A2	943	48.5	+12 19	10.4	Go	1036	48.8	+21 48	11.1	Mo	1015	49.1	+18 35	10.8	Ko
45	903	48.3	+27 19	10.4	A3	..	48.5	+12 10	11.6	A	..	48.8	+21 11	11.4	A	..	49.1	+15 26	11.1	Ao
46	..	48.3	+24 10	11.0	A	941	48.5	+12 3	8.9	Ko	..	48.8	+20 36	11.4	A	977	49.1	+15 3	9.2	Ao
47	1121	48.3	+19 54	10.7	A2	923	48.5	+10 34	9.5	B8	1125	48.8	+19 16	10.3	Fo	1028	49.1	+13 27	10.0	Ao
48	1120	48.3	+19 3	10.6	Go	1000	48.5	+ 9 56	10.2	B9	..	48.8	+17 7	11.4	K2	966	49.1	+11 55	10.2	A5
49	1007	48.3	+18 28	11.0	K2	1001	48.5	+ 9 29	10.9	G5	1049	48.8	+17 5	10.6	F5	1003	49.1	+ 9 37	9.6	Go
50	..	48.3	+17 30	10.5	A7	1103	48.5	+ 8 26	10.4	Mo	..	48.8	+16 18	10.5	A7	1106	49.1	+ 8 45	10.2	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1108	49.1	+ 8 11	10.2	A5	..	49.4	+ 6 33	11.6	A	1019	49.7	+24 46	10.1	A5	..	49.9	+15 20	10.7	A
2	1072	49.1	+ 3 39	9.7	F8	1125	49.5	+32 54	9.5	A7	*1099*	49.7	+23 1	11.2	K2	..	49.9	+14 40	10.7	F5
3	1040	49.2	+29 38	9.5	Fo	1058	49.5	+30 52	10.8	Ko	..	49.7	+21 14	11.0	Ao	*933*	49.9	+11 0	10.4	Fo
4	912	49.2	+27 58	9.7	Ao	1059	49.5	+30 27	9.3	F2	..	49.7	+20 54	11.1	A	1066	49.9	+ 6 54	9.8	A2
5	1001	49.2	+26 9	9.2	A2	915	49.5	+27 58	9.5	A3	1132	49.7	+19 43	10.5	A7	1129	50.0	+32 55	11.0	Ko
6	1028	49.2	+25 54	10.2	K5	..	49.5	+27 16	10.9	A	..	49.7	+19 4	10.5	Go	918	50.0	+27 10	9.4	Fo
7	..	49.2	+24 13	10.8	Ao	..	49.5	+21 51	11.6	A7	1017	49.7	+18 43	10.4	Go	917	50.0	+27 1	10.6	Fo
8	1098	49.2	+22 36	10.5	A3	1041	49.5	+21 14	11.0	B8	..	49.7	+17 14	10.6	A	1023	50.0	+24 2	10.1	Ao
9	1130	49.2	+19 31	10.8	Ko	..	49.5	+20 26	11.4	F	..	49.7	+14 59	10.8	A	1104	50.0	+22 7	10.7	Ko
10	..	49.2	+16 42	11.4	K5	..	49.5	+19 57	11.1	A	1078	49.7	+14 57	10.9	K7	1045	50.0	+21 49	10.9	A2
11	978	49.2	+15 46	11.4	Ko	..	49.5	+19 18	10.6	Ao	..	49.7	+14 37	10.6	Ko	1172	50.0	+20 6	9.6	Go
12	..	49.2	+13 53	11.0	Ao	911	49.5	+16 15	10.4	A7	..	49.7	+14 12	10.4	Ao	1134	50.0	+19 23	10.2	K7
13	928	49.2	+10 19	10.6	Ko	..	49.5	+16 13	11.4	A	1033	49.7	+13 34	10.0	K2	1020	50.0	+18 53	11.0	K5
14	1004	49.2	+ 9 43	10.5	G5	912	49.5	+16 5	10.5	Go	..	49.7	+13 9	11.8	A	..	50.0	+18 20	11.1	Ao
15	..	49.2	+ 9 0	12.0	K5	981	49.5	+15 42	11.1	Ao	930	49.7	+10 55	10.7	Go	1019	50.0	+18 17	11.2	Ko
16	1051	49.2	+ 7 49	10.8	G5	945	49.5	+12 41	10.7	K5	1111	49.7	+ 8 39	11.2	Mo	918	50.0	+16 49	10.3	Fo
17	1050	49.2	+ 7 6	10.6	Mo	..	49.5	+12 12	11.2	A	..	49.8	+29 42	10.6	F5	..	50.0	+16 39	10.2	Go
18	1041	49.3	+29 56	8.9	B8	..	49.5	+11 19	9.6	A5	*949*	49.8	+29 0	9.6	B8	..	50.0	+16 28	10.8	F5
19	*913*	49.3	+28 1	9.6	Go	1006	49.5	+ 9 34	11.4	K5	1033	49.8	+25 29	9.6	B9	917	50.0	+16 19	10.4	A2
20	1002	49.3	+26 37	10.8	A	..	49.5	+ 9 28	11.4	A5	*1022*	49.8	+25 1	10.8	Ko	..	50.0	+14 43	10.9	A
21	1016	49.3	+24 1	11.1	A3	1007	49.5	+ 9 18	10.4	G5	1110	49.8	+23 55	9.5	Ao	969	50.0	+11 43	10.8	A
22	1040	49.3	+21 9	10.6	A3	..	49.5	+ 9 0	11.5	K5	1111	49.8	+23 52	9.7	F5	1112	50.0	+ 8 28	9.8	A2
23	..	49.3	+20 23	10.6	A5	..	49.5	+ 8 22	10.4	Ao	..	49.8	+21 25	12.0	K5	1114	50.0	+ 8 24	10.9	Ko
24	1169	49.3	+20 9	10.6	G5	*1053*	49.5	+ 8 0	10.7	Go	1044	49.8	+21 10	10.8	Ko	..	50.0	+ 5 57	11.6	F8
25	..	49.3	+19 15	11.3	K7	..	49.5	+ 7 14	10.9	F5	1133	49.8	+19 52	10.9	Go	1074	50.0	+ 3 38	11.4	K2
26	..	49.3	+19 8	11.3	G5	..	49.6	+34 3	11.2	F5	..	49.8	+19 14	11.2	A	1217	50.1	+34 12	9.9	Ao
27	..	49.3	+19 2	11.0	Ao	1192	49.6	+33 15	8.9	A	..	49.8	+17 45	10.9	Go	1130	50.1	+32 4	9.3	A2
28	..	49.3	+18 46	10.8	Ko	..	49.6	+29 59	10.8	F	915	49.8	+16 46	11.5	Ko	1044	50.1	+29 58	10.5	A
29	1016	49.3	+18 30	10.6	Ko	946	49.6	+28 46	9.6	Bo	..	49.8	+16 17	11.0	G5	950	50.1	+28 43	9.6	A2
30	1052	49.3	+17 29	9.4	A2	948	49.6	+28 27	10.6	Ao	..	49.8	+15 16	10.8	A	..	50.1	+26 54	11.2	K5
31	..	49.3	+16 13	11.2	G5	1004	49.6	+26 19	11.0	K2	..	49.8	+14 28	11.0	Ko	..	50.1	+23 36	11.3	A3
32	..	49.3	+14 33	10.2	B8	1031	49.6	+25 27	9.6	Ao	1032	49.8	+13 58	10.2	Go	..	50.1	+23 19	11.0	Fo
33	..	49.3	+14 4	10.3	Ao	1030	49.6	+25 9	10.9	Ko	..	49.8	+12 20	11.3	A	..	50.1	+21 18	11.6	G5
34	1109	49.3	+ 8 35	10.0	Fo	1109	49.6	+23 57	9.7	B8	..	49.8	+ 7 48	11.9	Ko	1173	50.1	+20 42	10.8	A
35	..	49.3	+ 5 21	9.7	Go	1042	49.6	+21 10	11.2	Ko	1073	49.8	+ 3 50	11.2	Ko		50.1	+20 42	10.7	A2
36	..	49.4	+33 28	11.3	Ao	..	49.6	+18 0	11.6	F8	1126	49.9	+32 52	10.2	B9	1135	50.1	+19 53	11.2	F8
37	1124	49.4	+32 42	10.3	A	1055	49.6	+17 53	10.6	Go	1127	49.9	+32 40	10.4	A2	..	50.1	+19 7	10.8	Ao
38	1142	49.4	+31 51	9.8	F2	1054	49.6	+17 14	9.9	Ao	1128	49.9	+32 39	10.4	K7	..	50.1	+18 31	11.8	Ao
39	1057	49.4	+30 44	9.8	Ao	913	49.6	+16 39	11.0	Ko	1144	49.9	+31 14	9.9	B9	..	50.1	+18 30	11.7	A5
40	945	49.4	+28 35	9.8	Ao	914	49.6	+16 36	10.8	K2	1061	49.9	+30 22	9.5	A2	..	50.1	+17 51	10.8	Ao
41	1003	49.4	+26 28	9.2	Ko	983	49.6	+15 14	10.8	F5	1043	49.9	+29 55	10.3	Ao	..	50.1	+17 27	10.8	F8
42	1029	49.4	+25 47	10.4	Ao	1031	49.6	+13 29	10.4	Go	..	49.9	+25 2	11.1	A5	919	50.1	+16 56	10.6	A2
43	1170	49.4	+20 45	10.0	Ko	947	49.6	+12 6	10.0	Fo	1102	49.9	+22 20	10.6	Fo	..	50.1	+ 9 3	12.0	Go
44	979	49.4	+15 5	9.6	B9	..	49.6	+11 56	10.8	A	1103	49.9	+22 20	10.8	Ao	..	50.1	+ 6 32	11.2	Ko
45	1075	49.4	+14 42	11.6	A	967	49.6	+11 36	9.4	A7	1018	49.9	+18 52	9.6	Ao	1047	50.1	+ 5 3	11.5	Ko
46	1076	49.4	+14 6	10.0	Go	968	49.6	+11 26	10.6	A3	1056	49.9	+17 57	11.0	K5	1131	50.2	+32 28	10.6	K5
47	1029	49.4	+13 38	10.6	Go	..	49.6	+ 7 14	10.6	A	..	49.9	+17 28	11.0	F	1046	50.2	+29 53	9.7	A3
48	1030	49.4	+13 11	10.8	K7	1045	49.6	+ 5 37	10.4	A3	*916*	49.9	+17 0	10.8	G5	..	50.2	+28 57	10.8	Go
49	929	49.4	+10 33	11.5	K5	..	49.7	+30 55	10.9	A	..	49.9	+16 44	10.4	Ao	919	50.2	+27 50	9.8	Fo
50	1052	49.4	+ 7 54	11.4	G5	916	49.7	+27 53	10.8	K2	..	49.9	+15 59	11.6	F5	1006	50.2	+26 14	10.8	K5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	50.2	+24 58	10.8	A	1059	50.4	+17 36	11.1	Ko	..	50.7	+29 32	10.8	A	1042	50.9	+13 53	8.7	A2
2	..	50.2	+24 28	10.8	A	985	50.4	+15 12	10.8	K5	..	50.7	+26 49	11.0	F	955	50.9	+12 19	11.0	K7
3	1113	50.2	+23 44	9.2	A2	..	50.4	+10 3	11.2	A	1009	50.7	+26 31	10.6	F2	1051	50.9	+ 5 24	10.6	B9
4	1105	50.2	+22 17	10.4	B9	..	50.4	+ 9 19	11.9	K2	1042	50.7	+25 44	10.3	K5	1077	50.9	+ 4 21	10.6	A7
5	1175	50.2	+20 2	10.6	Go	..	50.4	+ 7 45	11.2	F5	1117	50.7	+23 6	10.6	Go	1076	50.9	+ 3 56	11.1	Go
6	..	50.2	+18 41	11.0	A5	1057	50.4	+ 7 29	10.4	Go	1138	50.7	+19 44	9.4	A5	1148	51.0	+31 40	9.4	A7
7	1021	50.2	+18 38	10.4	Go	..	50.4	+ 6 50	11.2	F5	..	50.7	+19 36	10.8	Ao	1149	51.0	+31 6	10.8	K7
8	922	50.2	+16 54	10.5	F5	*1049*	50.4	+ 6 0	10.4	F5	1139	50.7	+19 14	9.6	B9	..	51.0	+30 42	10.6	A3
9	921	50.2	+16 31	10.6	Go	1075	50.4	+ 3 33	11.2	Ko	1137	50.7	+19 13	11.5	K7	954	51.0	+28 5	10.0	Ao
10	920	50.2	+16 8	9.6	B9	1115	50.5	+23 13	10.9	G5	1024	50.7	+18 55	10.1	Go	925	51.0	+27 22	9.5	F5
11	..	50.2	+16 3	10.8	Ao	1108	50.5	+22 44	10.6	G5	1023	50.7	+18 27	10.9	Ko	1044	51.0	+25 4	10.3	K5
12	..	50.2	+15 57	11.3	K2	1050	50.5	+21 10	11.4	Go	1081	50.7	+14 32	10.5	Mo	1035	51.0	+24 54	9.6	B9
13	1034	50.2	+13 40	var.	Ao	..	50.5	+18 57	11.3	A	1014	50.7	+ 9 29	11.0	G5	1034	51.0	+24 36	9.6	Ao
14	..	50.2	+12 28	10.4	Ao	..	50.5	+17 2	10.7	G5	..	50.7	+ 8 27	11.8	Ko	..	51.0	+21 32	11.3	A
15	*1056*	50.2	+ 8 1	11.2	Ko	923	50.5	+16 10	9.1	F5	1076	50.7	+ 4 44	9.8	Go	1186	51.0	+20 46	10.4	Go
16	1068	50.2	+ 6 45	10.8	A7	925	50.5	+16 7	10.3	B8	1146	50.8	+31 47	9.8	A3	1185	51.0	+20 6	11.6	M
17	1048	50.2	+ 5 35	9.9	F8	..	50.5	+15 59	11.2	A	1064	50.8	+30 47	10.4	B8	..	51.0	+19 25	11.2	A
18	..	50.2	+ 4 18	11.5	F8	1038	50.5	+13 39	10.3	Ao	953	50.8	+28 33	11.0	Ko	1029	51.0	+18 38	9.8	A2
19	1133	50.3	+32 27	10.4	B8	..	50.5	+13 22	10.8	A	..	50.8	+27 40	10.9	A	1030	51.0	+18 8	9.5	Ao
20	1048	50.3	+29 25	9.8	A3	953	50.5	+12 57	9.6	A5	922	50.8	+27 35	9.6	K2	1084	51.0	+14 52	11.0	K5
21	1036	50.3	+25 30	9.5	Ko	..	50.5	+12 33	11.0	A	1032	50.8	+24 59	10.8	K	..	51.0	+14 46	10.1	Fo
22	1046	50.3	+21 34	10.4	Go	1011	50.5	+ 9 53	10.5	Ko	1031	50.8	+24 53	10.1	A	..	51.0	+13 18	11.2	A
23	1048	50.3	+21 4	10.8	Ao	1010	50.5	+ 9 35	10.4	F8	1052	50.8	+21 25	11.7	M	1043	51.0	+13 6	9.8	G5
24	..	50.3	+20 32	11.5	G5	..	50.5	+ 8 55	10.9	F8	1140	50.8	+19 14	9.7	Fo	974	51.0	+11 2	9.9	K5
25	..	50.3	+20 12	10.0	B9	..	50.5	+ 8 41	11.8	K7	1025	50.8	+18 5	10.3	B8	1015	51.0	+ 9 51	9.8	F8
26	..	50.3	+19 42	11.5	K7	..	50.5	+ 7 47	12.1	K5	1064	50.8	+17 11	10.6	F5	..	51.0	+ 9 15	11.6	F5
27	..	50.3	+18 18	10.8	Ao	1058	50.5	+ 7 24	10.6	G5	1065	50.8	+17 4	10.7	Ko	..	51.0	+ 4 42	11.7	A3
28	1058	50.3	+17 26	10.4	Mo	..	50.5	+ 6 50	11.0	Ao	..	50.8	+15 25	11.3	Ko	1049	51.1	+29 53	10.6	A2
29	952	50.3	+12 31	9.1	Ao	1196	50.6	+33 42	10.5	K2	..	50.8	+14 17	10.5	Ao	955	51.1	+28 1	9.6	A2
30	..	50.3	+11 12	10.5	F8	1135	50.6	+32 54	9.4	Ko	*1041*	50.8	+14 0	9.8	F8	926	51.1	+27 37	9.7	Fo
31	..	50.3	+11 3	11.1	F8	1145	50.6	+31 41	9.8	Go	..	50.8	+12 57	10.6	Ao	1012	51.1	+26 13	9.6	Ao
32	..	50.3	+10 50	10.8	A2	..	50.6	+31 12	10.8	A	954	50.8	+12 14	9.0	Ao	1118	51.1	+23 38	10.5	K5
33	934	50.3	+10 34	10.4	F8	..	50.6	+29 40	11.2	K	973	50.8	+11 46	9.8	A3	1120	51.1	+23 12	10.8	Ko
34	1009	50.3	+ 9 34	11.0	K5	1008	50.6	+26 50	10.8	K	..	50.8	+ 8 50	10.7	A2	..	51.1	+22 38	11.1	A
35	1008	50.3	+ 9 21	10.4	F8	1007	50.6	+26 5	10.6	K2	..	50.8	+ 8 11	10.6	F8	1054	51.1	+21 10	9.4	B8
36	..	50.3	+ 6 10	11.4	Go	1041	50.6	+25 27	10.4	G5	1116	50.8	+ 8 2	11.2	Ko	1142	51.1	+19 35	10.7	K5
37	..	50.3	+ 4 29	11.4	Go	1039	50.6	+25 18	10.6	G5	1198	50.9	+33 52	10.6	K5	..	51.1	+18 54	11.3	Ko
38	1134	50.4	+32 1	10.8	K2	1029	50.6	+24 24	9.3	B8	1137	50.9	+32 9	10.5	F5	990	51.1	+15 58	10.9	A2
39	..	50.4	+31 5	10.6	A	1116	50.6	+23 32	10.6	A2	1147	50.9	+31 14	10.5	Ko	..	51.1	+14 57	10.6	A
40	..	50.4	+30 50	10.6	A	1182	50.6	+20 4	9.6	A2	924	50.9	+27 40	10.6	F5	1044	51.1	+13 7	9.9	F8
41	1038	50.4	+25 2	10.3	K5	..	50.6	+15 51	11.5	A	1043	50.9	+25 59	9.9	Ao	..	51.1	+12 10	10.3	A2
42	1027	50.4	+24 20	10.5	G5	986	50.6	+15 7	10.6	Ao	..	50.9	+23 54	11.2	A	935	51.1	+10 29	10.0	Fo
43	1107	50.4	+22 26	10.1	Ao	1040	50.6	+13 34	10.6	Ao	1053	50.9	+21 20	9.6	F5	1072	51.1	+ 6 42	10.6	Mo
44	1049	50.4	+21 36	9.7	Ao	1039	50.6	+13 28	9.9	F5	1184	50.9	+20 53	10.0	Ao	1071	51.1	+ 6 18	10.8	Go
45	1177	50.4	+20 37	10.7	A3	972	50.6	+11 14	9.5	F2	..	50.9	+20 33	10.8	Fo	1138	51.2	+32 29	10.6	Ko
46	1179	50.4	+20 10	9.9	Ao	1013	50.6	+ 9 45	9.8	A3	1028	50.9	+18 59	9.0	F8	1065	51.2	+30 30	11.0	K5
47	1180	50.4	+20 4	10.4	A	1012	50.6	+ 9 9	12.0	K2	1027	50.9	+18 56	9.6	Ao	1050	51.2	+29 33	11.2	K7
48	..	50.4	+19 45	11.4	F2	..	50.6	+ 8 45	11.8	A	988	50.9	+15 57	9.0	A7	927	51.2	+27 53	9.5	B5
49	1062	50.4	+17 49	10.0	Ao	..	50.6	+ 8 11	12.0	F8	987	50.9	+15 46	9.5	A2	*1036*	51.2	+25 0	11.0	K5
50	1060	50.4	+17 43	10.5	A	*1069*	50.6	+ 7 1	10.6	Ao	1083	50.9	+14 7	9.4	Ao	1110	51.2	+22 21	9.7	G5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1055	51.2	+21 27	10.5	F5	1189	51.4	+20 35	10.6	Ko	..	51.6	+15 57	10.5	A5	..	51.9	+23 17	10.9	A
2	..	51.2	+20 41	11.0	G5	1188	51.4	+20 15	11.0	Ko	..	51.6	+12 27	10.4	Ao	1116	51.9	+22 54	10.2	B9
3	1143	51.2	+19 38	11.3	K5	..	51.4	+19 39	10.0	Go	957	51.6	+12 10	10.2	Ko	1114	51.9	+22 52	10.7	K
4	1032	51.2	+18 7	10.4	F8	..	51.4	+19 1	11.3	K	..	51.6	+ 9 49	9.6	F8	1115	51.9	+22 5	10.4	Ao
5	1066	51.2	+17 40	10.7	Ao	..	51.4	+17 56	11.5	A	1120	51.6	+ 8 49	10.8	Go	1148	51.9	+19 57	10.8	G5
6	..	51.2	+16 42	12.2	K	1068	51.4	+17 47	10.9	A	..	51.6	+ 4 24	11.3	Go	..	51.9	+19 55	10.8	K5
7	992	51.2	+15 59	10.8	A8	1069	51.4	+17 8	10.8	K7	1140	51.7	+32 38	9.9	Ao	1074	51.9	+17 35	10.4	K2
8	..	51.2	+15 31	11.8	K2	929	51.4	+16 53	10.6	A2	1152	51.7	+31 52	9.9	A2	1073	51.9	+17 17	10.4	B8
9	1085	51.2	+14 36	10.5	K7	994	51.4	+15 43	9.6	B5	..	51.7	+30 15	10.9	A	1053	51.9	+13 16	8.8	A5
10	1045	51.2	+13 2	9.9	Fo	..	51.4	+10 50	11.0	A3	1055	51.7	+29 19	11.0	K5	979	51.9	+11 58	10.6	Ko
11	..	51.2	+11 5	11.0	F5	1064	51.4	+ 7 56	11.0	G5	1016	51.7	+26 45	10.2	Ao	..	51.9	+11 14	10.4	B8
12	..	51.2	+10 46	11.0	G	1080	51.4	+ 4 40	10.7	F8	1015	51.7	+26 12	9.6	Fo	1065	51.9	+ 7 6	10.6	F8
13	938	51.2	+10 29	10.5	K2	1223	51.5	+34 7	10.3	K7	1050	51.7	+25 41	10.1	Ko	..	52.0	+30 53	10.8	G
14	..	51.2	+ 9 49	10.8	A3	..	51.5	+30 36	11.3	K5	1112	51.7	+22 14	10.8	Ao	1057	52.0	+29 8	10.7	A3
15	1018	51.2	+ 9 30	9.4	B9	..	51.5	+30 17	10.7	F2	..	51.7	+18 36	9.9	Ao	..	52.0	+29 0	10.7	A7
16	1017	51.2	+ 9 3	10.7	Fo	1054	51.5	+29 48	9.6	Go	..	51.7	+17 47	11.3	K2	..	52.0	+27 21	10.8	A
17	1119	51.2	+ 8 55	10.6	A3	928	51.5	+27 35	10.8	K5	1070	51.7	+17 23	10.3	G5	1149	52.0	+19 3	10.3	B8
18	..	51.2	+ 8 37	11.5	A2	929	51.5	+27 7	10.4	K2	998	51.7	+15 53	10.3	A3	1038	52.0	+18 49	10.4	K2
19	1079	51.2	+ 4 46	10.7	Go	1040	51.5	+24 45	9.4	Ko	1049	51.7	+13 35	10.9	A7	..	52.0	+16 49	11.2	A
20	1078	51.2	+ 3 54	10.0	Go	1125	51.5	+23 41	10.5	A7	958	51.7	+12 31	9.0	A2	1089	52.0	+14 55	9.0	A2
21	1200	51.3	+33 49	9.9	K2	1124	51.5	+23 32	11.0	K7	978	51.7	+11 44	10.0	G5	1090	52.0	+14 55	8.8	A2
22	..	51.3	+32 18	10.7	Go	..	51.5	+19 56	11.2	A5	939a	51.7	+10 13	9.2	Fo	1054	52.0	+13 2	9.1	Ao
23	1051	51.3	+29 20	10.9	Ko	..	51.5	+19 36	11.2	A	1019	51.7	+ 9 7	10.9	Mo	960	52.0	+12 25	10.4	Ao
24	..	51.3	+28 48	11.0	A	..	51.5	+19 10	11.1	A	..	51.7	+ 9 1	11.6	K2	980	52.0	+11 12	11.0	K5
25	..	51.3	+27 36	10.8	A	..	51.5	+19 6	11.0	G5	..	51.7	+ 8 12	11.4	G	1122	52.0	+ 8 22	10.2	Fo
26	*1013*	51.3	+27 1	9.7	Ao	1033	51.5	+18 22	9.5	Ao	1141	51.8	+32 29	10.2	Fo	1052	52.0	+ 5 58	10.8	G5
27	..	51.3	+26 20	10.8	Ao	930	51.5	+16 57	11.0	K2	1068	51.8	+30 59	10.8	A	1203	52.1	+33 49	10.2	A3
28	1045	51.3	+25 44	9.7	Ao	931	51.5	+16 23	10.6	K2	..	51.8	+30 31	10.6	A7	..	52.1	+29 53	10.8	A
29	..	51.3	+24 37	10.2	B9	996	51.5	+15 47	9.1	A7	931	51.8	+27 3	10.7	F5	959	52.1	+28 58	9.7	Ao
30	1037	51.3	+24 28	10.5	A	..	51.5	+14 52	10.4	A7	..	51.8	+26 50	10.6	Ao	..	52.1	+28 22	11.3	A
31	1038	51.3	+24 11	10.0	Ao	..	51.5	+13 28	10.5	A3	1051	51.8	+25 32	9.4	Fo	932	52.1	+27 45	9.4	A2
32	1121	51.3	+23 6	10.5	A	..	51.5	+13 7	10.5	Ao	*1127*	51.8	+24 0	10.7	Ao	1017	52.1	+26 26	10.8	K5
33	1146	51.3	+19 56	9.0	B8	1073	51.5	+ 6 58	9.5	Ao		51.8	+24 0	10.4	A	1019	52.1	+26 19	10.6	A
34	1144	51.3	+19 23	10.2	F5	..	51.5	+ 5 46	11.8	Go	..	51.8	+20 35	11.2	A3	1118	52.1	+22 5	11.1	K5
35	1067	51.3	+17 39	9.6	A2	1081	51.5	+ 4 49	10.1	G5	1037	51.8	+18 40	9.9	K2	1061	52.1	+21 8	10.8	Fo
36	*927*	51.3	+17 0	9.4	F2	..	51.5	+ 4 12	11.8	G5	..	51.8	+18 13	10.7	G5	1075	52.1	+17 51	10.2	Go
37	928	51.3	+16 50	10.8	K5	1151	51.6	+31 36	10.0	Go	*933*	51.8	+17 0	10.6	B	..	52.1	+17 37	10.8	A
38	1086	51.3	+14 23	10.3	Go	930	51.6	+27 42	9.7	A5	..	51.8	+15 57	9.9	B8	..	52.1	+15 38	11.2	Go
39	1047	51.3	+13 41	10.2	F5	1048	51.6	+25 50	10.2	Ao	999	51.8	+15 31	9.9	F8	..	52.1	+15 30	10.0	A2
40	..	51.3	+ 9 25	11.3	A	1049	51.6	+25 10	8.8	B5	..	51.8	+13 25	10.4	Ao	941	52.1	+10 55	11.4	A3
41	1063	51.3	+ 7 13	9.6	Ko	1042	51.6	+24 18	9.8	A5	1050	51.8	+13 21	8.9	Fo	..	52.1	+ 9 27	11.2	A
42	..	51.3	+ 5 24	10.9	G5	..	51.6	+24 5	10.6	B9	1051	51.8	+13 3	8.6	B9	..	52.1	+ 9 22	11.4	G5
43	*1201*	51.4	+34 1	10.0	Mo	1190	51.6	+20 32	11.2	Ko	..	51.8	+11 12	11.2	A	..	52.1	+ 6 52	10.9	F8
44	1066	51.4	+30 37	10.9	K5	1191	51.6	+20 21	9.8	A5	..	51.8	+10 59	11.2	K2	1053	52.1	+ 5 49	10.2	F8
45	1067	51.4	+30 27	11.0	M	*1034*	51.6	+19 1	11.6	K	940	51.8	+10 44	9.7	F2	1071	52.2	+30 12	8.9	Bo
46	1014	51.4	+26 41	9.6	B9	..	51.6	+19 1	10.9	Ao	1121	51.8	+ 8 18	10.7	F8	..	52.2	+29 58	11.1	K2
47	..	51.4	+23 51	11.1	Ao	..	51.6	+18 41	10.9	Ao	..	51.9	+32 44	10.7	A	..	52.2	+27 3	10.8	A3
48	1122	51.4	+23 8	9.4	Go	1035	51.6	+18 26	9.4	A2	1070	51.9	+30 31	10.6	G5	1020	52.2	+26 48	10.0	A5
49	1058	51.4	+21 42	10.6	A7	..	51.6	+18 10	11.0	F5	1069	51.9	+30 24	11.0	K7	1128	52.2	+23 33	9.8	Go
50	..	51.4	+20 55	11.7	M	932	51.6	+16 1	10.1	Go	1056	51.9	+29 24	10.2	K5	1193	52.2	+20 57	10.4	G

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D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1192	52.2	+20 55	10.0	A	934	52.5	+27 5	10.2	Ao	1024	52.7	+ 9 36	9.8	F2	1047	53.0	+24 52	10.2	B9
2	1150	52.2	+19 28	10.2	Ko	..	52.5	+22 34	11.1	Ao	1025	52.7	+ 9 16	9.6	F2	..	53.0	+23 1	10.8	Ao
3	1076	52.2	+17 21	10.6	Ko	..	52.5	+21 55	11.4	A	1071	52.7	+ 7 3	10.5	Ko	..	53.0	+20 33	10.8	A
4	..	52.2	+16 27	10.8	A	1195	52.5	+20 7	10.3	A3	..	52.7	+ 5 8	11.6	K2	..	53.0	+19 34	11.6	G5
5	1000	52.2	+15 54	11.0	A5	..	52.5	+19 10	10.6	Go	1074	52.8	+30 58	9.6	Go	1153	53.0	+19 22	10.4	Ao
6	1001	52.2	+15 40	10.4	Ko	1078	52.5	+17 58	10.4	Ko	1065	52.8	+29 21	10.7	Mo	..	53.0	+19 5	10.6	Fo
7	1092	52.2	+14 48	10.0	Fo	937	52.5	+16 17	10.8	Fo	..	52.8	+27 30	9.8	A2	1041	53.0	+18 29	10.4	K2
8	..	52.2	+12 40	10.4	F5	936	52.5	+16 15	10.0	F8	1046	52.8	+24 5	10.4	A3	..	53.0	+18 22	10.6	A2
9	961	52.2	+12 40	9.9	Ko	935	52.5	+16 5	9.5	Go	1067	52.8	+21 40	10.2	K5	941	53.0	+16 12	10.3	A5
10	..	52.2	+10 14	11.2	A2	..	52.5	+15 9	11.1	Go	1196	52.8	+20 50	10.2	Ao	1005	53.0	+15 20	10.4	G5
11	..	52.2	+ 8 6	11.1	A5	..	52.5	+11 34	11.0	Go	..	52.8	+18 16	11.2	Go	..	53.0	+15 15	10.2	Ao
12	1066	52.2	+ 7 6	10.4	Ao	943	52.5	+10 25	10.2	A2	939	52.8	+16 55	9.6	Go	1097	53.0	+14 26	10.6	F5
13	..	52.2	+ 3 55	11.6	Go	..	52.5	+ 9 9	11.4	A2	..	52.8	+16 2	11.3	A7	*1057*	53.0	+14 0	9.0	Ao
14	1080	52.2	+ 3 32	10.0	Ko	..	52.5	+ 8 47	11.2	Ao	..	52.8	+14 3	11.0	A	1058	53.0	+13 9	10.2	A2
15	1143	52.3	+32 50	9.8	Go	1070	52.5	+ 7 11	10.4	G5	966	52.8	+12 51	10.4	Ao	949	53.0	+10 13	9.4	F5
16	1060	52.3	+29 31	10.2	Go	1083	52.5	+ 4 30	10.4	F8	983	52.8	+11 39	10.5	F8	1028	53.0	+ 9 38	9.6	Ao
17	1194	52.3	+20 51	10.0	A2	1155	52.6	+31 6	10.8	Ao	..	52.8	+11 1	11.2	G	..	53.0	+ 8 24	10.8	F2
18	..	52.3	+19 57	11.2	F2	1025	52.6	+26 29	10.6	Ko	1026	52.8	+ 9 21	10.2	F2	1078	53.0	+ 6 24	11.6	G5
19	..	52.3	+19 23	10.6	A5	1057	52.6	+25 15	10.6	K7	..	52.8	+ 8 43	11.3	G5	1086	53.0	+ 3 26	12.0	Mo
20	..	52.3	+17 8	10.7	F5	..	52.6	+24 39	10.4	Ao	1054	52.8	+ 5 32	11.4	Mo	1060	53.1	+25 4	9.6	F5
21	..	52.3	+15 49	11.0	Ko	..	52.6	+24 25	11.0	A	..	52.8	+ 5 18	11.7	G5	1048	53.1	+24 14	10.8	A5
22	1094	52.3	+14 27	10.6	Ao	1134	52.6	+23 51	9.9	F8	..	52.8	+ 4 56	10.8	G5	1136	53.1	+23 39	10.0	A2
23	..	52.3	+13 5	11.0	Ao	1121	52.6	+22 25	10.4	Go	1085	52.8	+ 3 55	10.2	Fo	1124	53.1	+22 59	9.3	B5
24	1021	52.3	+ 9 44	10.3	A3	1039	52.6	+18 52	9.6	B8	*1145*	52.9	+33 0	10.7	Ko	1200	53.1	+20 48	11.3	K7
25	1067	52.3	+ 7 43	10.5	F8	..	52.6	+18 12	10.6	G5	..	52.9	+32 20	11.2	M	1154	53.1	+19 34	10.6	A7
26	1081	52.3	+ 3 58	10.6	F8	1004	52.6	+15 28	10.7	Ko	961	52.9	+28 17	11.4	K7	..	53.1	+18 43	11.5	G5
27	..	52.4	+31 4	11.0	Go	..	52.6	+13 47	11.6	A	1122	52.9	+22 44	9.4	A7	..	53.1*	+18 32	12.0	K7
28	1022	52.4	+26 21	10.4	Ko	..	52.6	+10 28	10.8	F8	1068	52.9	+21 47	9.6	Ko	1080	53.1	+17 7	10.2	A2
29	1055	52.4	+25 17	10.0	K2	945	52.6	+10 26	10.9	K7	1198	52.9	+20 12	10.2	Go	944	53.1	+16 40	10.8	Ao
30	1044	52.4	+24 31	10.0	A2	..	52.6	+ 5 26	10.8	Go	..	52.9	+20 4	10.5	F8	943	53.1	+16 19	10.3	Ao
31	1131	52.4	+23 46	11.0	K2	..	52.6	+ 4 51	11.2	Ko	..	52.9	+19 22	11.0	G	1098	53.1	+14 40	10.4	Go
32	*1120*	52.4	+23 0	10.8	G5	1083	52.6	+ 3 48	10.6	F5	1079	52.9	+17 45	10.2	Ao	..	53.1	+11 26	10.8	A2
33	1119	52.4	+22 14	9.8	Fo	..	52.6	+ 3 46	10.6	F8	..	52.9	+17 10	11.4	A7	..	53.1	+11 9	11.6	A
34	1062	52.4	+21 3	10.8	A7	..	52.7	+29 46	11.0	A	..	52.9	+14 6	10.2	Ao	951	53.1	+10 30	10.2	A2
35	1151	52.4	+19 42	9.9	B9	1064	52.7	+29 25	11.0	A	..	52.9	+13 44	10.8	K2	952	53.1	+10 25	9.8	Fo
36	..	52.4	+19 41	9.6	Ao	936	52.7	+27 47	10.6	Go	..	52.9	+13 19	10.6	Go	..	53.1	+ 9 48	10.6	F8
37	934	52.4	+16 22	9.7	B8	937	52.7	+27 18	10.0	A2	1056	52.9	+13 4	10.4	G5	1074	53.1	+ 7 6	10.6	K5
38	1002	52.4	+15 7	11.6	K5	1135	52.7	+23 14	9.4	B3	948	52.9	+10 8	10.0	K2	..	53.1	+ 6 6	11.7	F8
39	1095	52.4	+14 22	9.4	Ao	..	52.7	+21 5	11.3	G5	..	52.9	+ 9 24	11.4	F8	1207	53.2	+33 30	10.0	A2
40	962	52.4	+12 7	11.0	Mo	1152	52.7	+19 3	10.8	Ko	..	52.9	+ 8 41	11.1	F8	1149	53.2	+32 25	10.1	A7
41	981	52.4	+11 12	10.2	Go	..	52.7	+18 12	10.6	A2	..	52.9	+ 6 41	11.0	Fo	..	53.2	+27 56	11.0	A
42	1022	52.4	+ 9 32	9.9	A2	..	52.7	+16 23	10.8	K2	..	52.9	+ 6 36	11.4	Go	..	53.2	+25 47	10.8	Ko
43	..	52.4	+ 6 13	11.6	Go	..	52.7	+15 59	11.0	A2	..	52.9	+ 6 1	11.5	F5	1137	53.2	+23 49	9.9	B8
44	..	52.4	+ 6 8	10.6	Fo	..	52.7	+14 59	10.8	Ao	1084	52.9	+ 4 14	10.4	Ao	1125	53.2	+22 2	10.8	F8
45	1082	52.4	+ 3 13	11.4	F5	1096	52.7	+14 57	11.2	K5	1146	53.0	+32 53	8.3	B5	1069	53.2	+21 18	9.8	F5
46	1205	52.5	+33 52	10.0	G5	..	52.7	+13 17	11.0	K5	1147	53.0	+32 12	10.4	Ao	1201	53.2	+20 38	10.5	Go
47	..	52.5	+31 59	10.9	K5	964	52.7	+12 26	10.4	Ko	962	53.0	+28 1	10.8	F5	..	53.2	+20 36	11.3	A
48	1072	52.5	+30 48	10.4	Go	982	52.7	+11 6	9.2	B9	..	53.0	+27 52	11.0	A	..	53.2	+20 28	10.6	B8
49	..	52.5	+30 29	10.8	A	947	52.7	+10 39	11.4	K5	..	53.0	+27 10	10.9	Ao	*1100*	53.2	+15 0	9.6	Ko
50	1061	52.5	+29 10	10.4	G5	946	52.7	+10 4	9.8	A2	941	53.0	+27 5	11.0	A2	1099	53.2	+14 41	10.6	A5

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249900 — $5^h\ 53^m.2$ to $5^h\ 54^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	53.2	+14 0	10.4	A2	..	53.4	+13 4	10.5	A2	..	53.6	+ 9 37	10.9	Ao	1142	53.9	+23 55	10.8	A2
2	1060	53.2	+13 15	10.2	A3	969	53.4	+12 41	10.7	Ko	1033	53.6	+ 9 29	9.4	A2	1132	53.9	+22 5	10.6	Go
3	984	53.2	+11 37	11.2	K5	955	53.4	+10 36	9.6	A	1032	53.6	+ 9 19	10.6	Fo	..	53.9	+20 17	11.2	G
4	..	53.2	+11 33	11.0	Go	1030	53.4	+ 9 32	10.5	F2	1034	53.6	+ 9 3	10.5	Ao	..	53.9	+20 12	11.0	Ao
5	953	53.2	+10 21	11.0	K	1127	53.4	+ 8 41	10.1	F8	1130	53.6	+ 8 29	10.8	Mo	..	53.9	+19 35	10.2	A5
6	1029	53.2	+ 9 37	10.4	A2	..	53.4	+ 8 5	11.0	A3	1077	53.6	+ 7 56	10.8	Go	1048	53.9	+18 17	10.8	Ko
7	1126	53.2	+ 8 26	10.1	Fo	1058	53.4	+ 5 40	9.7	A2	1088	53.6	+ 4 19	10.4	Go	952	53.9	+16 3	10.0	A3
8	1076	53.2	+ 7 26	11.3	G5	1087	53.4	+ 3 58	11.3	K5	1230	53.7	+34 10	10.0	Ko	..	53.9	+14 9	10.6	A
9	..	53.2	+ 7 1	11.3	K2	1208	53.5	+33 55	9.0	B9	..	53.7	+29 1	11.0	A	1067	53.9	+13 47	8.9	A3
10	1085	53.2	+ 4 28	10.2	F5	1150	53.5	+32 39	9.6	Ao	..	53.7	+27 32	11.7	M	1069	53.9	+13 11	9.6	Go
11	963	53.3	+28 17	10.0	Fo	1151	53.5	+32 12	10.5	Ao	1064	53.7	+25 23	10.9	K7	*990*	53.9	+12 1	8.6	Ao
12	964	53.3	+28 14	9.8	Go	1076	53.5	+30 12	9.3	Fo	1050	53.7	+24 11	11.0	K7	989	53.9	+11 51	10.6	Go
13	1127	53.3	+22 49	10.4	A2	942	53.5	+27 13	9.8	B8	..	53.7	+17 30	12.0	Ko		53.9	+11 51	10.4	Go
14	1126	53.3	+22 45	9.6	A5	1140	53.5	+23 12	11.0	K5	950	53.7	+16 47	10.8	Ko	1035	53.9	+ 9 11	9.9	Ao
15	1070	53.3	+21 45	9.4	Go	..	53.5	+23 7	11.1	A		53.7	+16 47	10.8	K5	..	53.9	+ 9 9	10.8	Ao
16	1202	53.3	+20 10	10.6	K7	1129	53.5	+22 11	10.3	A3	1010	53.7	+15 50	10.7	Go	1081	53.9	+ 7 42	10.6	G5
17	1203	53.3	+20 9	10.7	Go	..	53.5	+22 6	10.6	A	..	53.7	+12 56	10.6	Ao	..	53.9	+ 7 9	11.0	F5
18	1157	53.3	+19 33	10.5	Ko	1206	53.5	+20 40	10.2	G5	972	53.7	+12 39	10.0	A2	..	53.9	+ 4 54	10.7	Ao
19	1156	53.3	+19 25	10.3	A5	1207	53.5	+20 14	10.0	A5	986	53.7	+11 46	8.8	Ko	1088	53.9	+ 3 50	11.0	F5
20	..	53.3	+18 45	10.2	A	..	53.5	+20 1	11.7	Ao	985	53.7	+11 4	11.4	K7	1232	54.0	+34 3	9.4	Ao
21	1006	53.3	+15 59	10.8	K7	1158	53.5	+19 17	10.6	A	958	53.7	+10 48	9.8	B9	..	54.0	+30 0	10.8	G5
22	1101	53.3	+14 24	9.9	F8	1159	53.5	+19 10	10.5	G5	1132	53.7	+ 8 40	9.8	Go	..	54.0	+27 29	11.0	A
23	1102	53.3	+14 22	9.2	Ko	..	53.5	+18 59	10.3	Ao	1078	53.7	+ 7 14	10.1	F5	..	54.0	+26 31	10.8	A
24	1062	53.3	+13 19	10.0	Ao	948	53.5	+16 17	10.1	Fo	1079	53.7	+ 7 2	10.4	Go	1051	54.0	+24 31	10.6	Ao
25	1061	53.3	+13 17	9.4	A2	..	53.5	+15 51	11.2	A	1079	53.7	+ 6 34	10.8	K7	1208	54.0	+20 58	10.8	F5
26	..	53.3	+11 23	11.1	K2	..	53.5	+15 25	11.9	A	1210	53.8	+33 35	11.0	K7	..	54.0	+20 27	10.8	Go
27	..	53.3	+11 13	10.8	A5	..	53.5	+13 55	10.5	Ao	967	53.8	+28 34	10.0	A3	..	54.0	+19 47	11.4	A3
28	954	53.3	+10 13	10.2	K2	..	53.5	+13 39	11.0	A	1065	53.8	+25 6	8.9	B2	1049	54.0	+18 19	10.5	Ko
29	..	53.3	+ 7 46	11.4	A3	..	53.5	+12 32	11.0	A5	1141	53.8	+23 23	12.1	K7	953	54.0	+16 10	10.4	Fo
30	1086	53.3	+ 4 59	10.3	Go	1031	53.5	+ 9 23	9.4	Fo	..	53.8	+17 25	11.6	Ao	1013	54.0	+15 19	10.4	K5
31	..	53.4	+30 58	10.1	Ao	1129	53.5	+ 8 37	10.2	Go	1083	53.8	+17 21	11.5	K5	1068	54.0	+13 53	9.1	A3
32	1067	53.4	+29 10	10.6	A5	..	53.5	+ 8 20	12.0	Go	1011	53.8	+15 23	9.8	Ao	1070	54.0	+13 10	10.6	K5
33	..	53.4	+27 21	11.1	A	..	53.5	+ 6 29	11.4	A	973	53.8	+12 40	9.9	A3	976	54.0	+12 44	10.6	Ko
34	1026	53.4	+26 32	10.2	Ao	..	53.6	+33 53	10.8	K2	974	53.8	+12 5	11.0	Mo	..	54.0	+11 46	11.1	F
35	1062	53.4	+25 55	10.6	A5	1077	53.6	+30 56	9.2	Ao	..	53.8	+11 39	10.9	Go	..	54.0	+10 48	10.6	F5
36	1139	53.4	+23 11	11.6	K5	..	53.6	+30 37	10.9	A	988	53.8	+11 31	10.5	Ko	1036	54.0	+ 9 31	10.4	F2
37	1128	53.4	+22 35	10.2	Ao	..	53.6	+29 10	10.8	A	987	53.8	+11 10	9.6	A7	..	54.0	+ 9 8	12.2	K2
38	1071	53.4	+21 3	11.8	Ko	..	53.6	+27 29	11.0	A	..	53.8	+10 23	11.3	A7	..	54.0	+ 6 47	11.2	A2
39	1205	53.4	+20 53	11.0	K2	1049	53.6	+24 16	10.8	Mo	..	53.8	+10 13	11.4	Ko	1234	54.1	+34 16	9.8	G5
40	1204	53.4	+20 38	10.3	Ao	..	53.6	+23 9	11.4	A	..	53.8	+ 9 38	11.0	B9	1153	54.1	+32 51	10.5	Go
41	..	53.4	+20 25	11.2	A	..	53.6	+22 37	10.9	A	..	53.8	+ 8 24	11.0	Mo	..	54.1	+27 24	10.9	A
42	..	53.4	+19 52	11.7	F8	..	53.6	+22 13	11.0	Ko	1080	53.8	+ 7 44	10.3	A2	1027	54.1	+26 49	10.4	Go
43	1045	53.4	+18 33	10.4	Ko	1047	53.6	+18 32	9.5	Ao	1059	53.8	+ 5 58	10.6	F5	1067	54.1	+25 12	8.8	B9
44	..	53.4	+18 17	11.0	A2	*949*	53.6	+17 0	10.5	K5	1060	53.8	+ 5 32	10.6	F5	1052	54.1	+24 58	9.8	Ko
45	..	53.4	+18 7	11.2	F5	1009	53.6	+15 2	10.6	Ao	..	53.8	+ 5 25	10.8	F8	1143	54.1	+23 25	10.4	Ao
46	1044	53.4	+18 3	9.9	Ao	..	53.6	+14 52	11.0	Go	..	53.8	+ 4 12	11.6	A3	*1073*	54.1	+22 1	10.3	Ko
47	..	53.4	+17 23	11.4	K2	..	53.6	+14 50	10.8	A5	1159	53.9	+31 27	10.5	K2	..	54.1	+21 17	11.0	G5
48	947	53.4	+16 56	9.9	G5	..	53.6	+12 50	10.4	A2	1160	53.9	+31 12	10.8	F5	1209	54.1	+20 5	9.5	G5
49	1063	53.4	+13 29	9.3	A2	970	53.6	+12 13	10.6	G5	1070	53.9	+29 36	10.1	Go	..	54.1	+19 44	11.2	A2
50	..	53.4	+13 24	10.2	A	957	53.6	+10 18	9.7	Ao	1069	53.9	+29 25	9.8	A7	1164	54.1	+19 10	10.3	Go

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	54.1	+18 49	11.1	A	..	54.4	+27 14	10.8	A	..	54.6	+16 54	11.4	G5	981	54.8	+12 3	10.4	F8
2	1050	54.1	+18 33	9.6	Ao	1029	54.4	+26 37	10.4	Ao	..	54.6	+16 31	11.2	A	993	54.8	+11 57	10.1	A7
3	954	54.1	+16 6	10.0	B8	1070	54.4	+25 53	11.2	K2	1019	54.6	+15 54	10.4	F8	994	54.8	+11 51	10.9	G5
4	..	54.1	+15 26	11.0	Ao	1071	54.4	+25 22	9.4	A2	..	54.6	+15 50	10.2	Fo	..	54.8	+11 48	10.8	B9
5	1071	54.1	+13 9	10.5	K2	1144	54.4	+23 16	9.7	Ao	..	54.6	+14 30	10.9	Ao	966	54.8	+10 14	10.4	G5
6	977	54.1	+12 56	9.8	Ao	1074	54.4	+21 56	9.4	A2	1106	54.6	+14 9	8.8	B8	1062	54.8	+ 5 42	11.3	K5
7	961	54.1	+10 53	10.0	F2	1212	54.4	+20 54	9.8	A2	979	54.6	+12 9	9.5	Fo	1063	54.8	+ 5 35	11.8	K5
8	959	54.1	+10 13	10.2	Go	1211	54.4	+20 3	10.3	K5	992	54.6	+11 52	9.6	Go	1094	54.8	+ 3 56	9.7	A2
9	..	54.1	+ 7 48	11.5	Go	..	54.4	+19 56	10.6	A2	..	54.6	+10 55	11.2	Ao	1159	54.9	+32 11	9.9	A5
10	..	54.2	+32 37	10.8	F	..	54.4	+19 55	11.0	K2	1042	54.6	+ 9 23	9.7	A2	1166	54.9	+31 55	9.4	A3
11	1154	54.2	+32 21	9.4	Ao	..	54.4	+19 47	10.6	A2	1041	54.6	+ 9 15	9.9	K2	1084	54.9	+30 31	9.7	A2
12	1155	54.2	+32 7	10.1	Mo	1167	54.4	+19 38	10.9	Ko	..	54.6	+ 9 12	11.2	Go	973	54.9	+28 39	10.7	Fo
13	1161	54.2	+31 25	10.9	K7	1166	54.4	+19 11	10.2	Bo	..	54.6	+ 8 19	12.0	G5	1073	54.9	+25 54	10.8	K7
14	..	54.2	+30 50	10.9	A	1084	54.4	+17 39	9.8	Ko	1094	54.6	+ 4 11	10.3	Ao	1060	54.9	+24 4	10.9	Ko
15	1078	54.2	+30 5	10.6	G5	..	54.4	+16 23	10.8	Go	1091	54.6	+ 3 9	10.1	F8	1138	54.9	+22 17	9.8	Fo
16	968	54.2	+28 3	10.7	Fo	1017	54.4	+15 3	9.0	F2	..	54.7	+32 38	10.4	Go	1078	54.9	+21 14	10.2	F2
17	1054	54.2	+24 15	10.8	K5	..	54.4	+13 26	10.6	A	1081	54.7	+30 51	9.2	F5	1077	54.9	+21 11	10.4	A
18	..	54.2	+22 21	11.8	Go	..	54.4	+11 36	11.0	A3	972	54.7	+28 37	10.0	Go	1079	54.9	+21 3	11.1	K7
19	..	54.2	+20 43	11.4	F5	964	54.4	+10 51	9.8	F8	946	54.7	+27 1	10.6	Go	..	54.9	+17 47	11.4	A5
20	1052	54.2	+18 3	10.0	A2	..	54.4	+ 7 8	11.0	A3	..	54.7	+23 55	11.1	Go	..	54.9	+17 15	11.4	Ao
21	1016	54.2	+15 37	9.9	K2	1061	54.4	+ 5 2	10.1	A7	1137	54.7	+22 20	9.8	Go	1088	54.9	+17 8	10.2	Ao
22	1014	54.2	+15 33	10.1	B9	1093	54.4	+ 4 21	10.0	K7	1169	54.7	+19 42	9.6	Ao	1107	54.9	+14 11	10.2	K7
23	1015	54.2	+15 18	9.8	F8	1156	54.5	+32 14	10.5	G5	..	54.7	+19 21	11.8	G5	1108	54.9	+14 2	9.0	F8
24	..	54.2	+12 21	11.3	A	1031	54.5	+26 42	9.1	A3	1168	54.7	+19 3	10.4	K2	..	54.9	+12 38	10.8	F5
25	991	54.2	+11 13	10.2	Ao	..	54.5	+26 10	11.0	Ao	959	54.7	+16 47	9.6	A3	..	54.9	+11 54	11.6	A
26	962	54.2	+10 37	10.4	F5	1055	54.5	+24 47	9.8	K5	958	54.7	+16 36	10.9	K5	..	54.9	+ 9 47	11.4	Go
27	1082	54.2	+ 7 45	10.1	Go	1057	54.5	+24 6	10.5	Go	1020	54.7	+15 46	10.9	A5	1044	54.9	+ 9 14	10.6	A3
28	1080	54.2	+ 6 17	10.4	F8	..	54.5	+23 13	10.6	A	..	54.7	+10 47	11.2	Fo	..	54.9	+ 6 17	10.8	A7
29	1091	54.2	+ 4 55	11.4	Go	..	54.5	+22 57	11.4	A	965	54.7	+10 31	10.0	B8	1082	54.9	+ 6 14	11.0	K5
30	1092	54.2	+ 4 42	11.2	A3	..	54.5	+21 34	11.3	Ko	..	54.7	+ 9 31	11.8	K5	1064	54.9	+ 5 8	9.8	F8
31	1089	54.2	+ 3 3	10.6	Go	..	54.5	+19 57	11.0	G5	1137	54.7	+ 8 57	11.6	K7	..	54.9	+ 3 55	11.5	Go
32	..	54.3	+31 27	11.0	A	..	54.5	+19 53	11.5	Go	..	54.7	+ 8 52	10.8	F5	974	55.0	+28 49	9.8	Ko
33	1072	54.3	+29 17	9.9	Ko	1086	54.5	+17 39	10.5	G5	..	54.7	+ 8 31	10.8	F8	976	55.0	+28 4	10.8	Go
34	1133	54.3	+22 3	10.1	Ko	1085	54.5	+17 7	9.2	A2	1084	54.7	+ 7 22	9.7	F2	947	55.0	+27 21	10.6	Ao
35	1210	54.3	+20 56	9.8	F2	..	54.5	+16 56	11.6	Ko	..	54.7	+ 5 39	11.4	Fo	948	55.0	+27 17	9.4	Go
36	..	54.3	+20 37	11.6	A5	955	54.5	+16 17	10.6	K2	1213	54.8	+33 13	10.0	A5	..	55.0	+27 12	10.7	A2
37	..	54.3	+19 30	10.8	Ao	1105	54.5	+14 20	10.4	Ko	1157	54.8	+32 58	9.7	Ao	1075	55.0	+25 23	10.0	Ko
38	..	54.3	+18 49	11.1	A	1136	54.5	+ 8 43	10.2	Ao	1082	54.8	+30 35	9.7	B9	1059	55.0	+24 47	10.0	A2
39	..	54.3	+17 42	11.2	A2	..	54.5	+ 3 43	11.6	A	1083	54.8	+30 23	10.9	Ko	1148	55.0	+23 20	9.2	B
40	1072	54.3	+13 3	8.9	Go	1163	54.6	+31 19	10.6	Ao	1146	54.8	+23 35	10.8	K5	1149	55.0	+23 18	8.6	B
41	..	54.3	+11 43	10.4	F2	..	54.6	+28 56	11.0	A	1145	54.8	+23 20	10.2	B	1080	55.0	+21 51	11.4	K2
42	..	54.3	+11 30	10.9	A5	970	54.6	+28 48	11.4	K7	1076	54.8	+21 24	11.1	G5		55.0	+21 51	11.6	G5
43	963	54.3	+10 59	11.3	K2	971	54.6	+28 17	10.7	Ao	1214	54.8	+20 55	11.2	G	..	55.0	+20 41	11.0	A
44	1038	54.3	+ 9 18	10.3	Go	1032	54.6	+26 18	10.8	A5	1215	54.8	+20 42	10.3	Fo	1053	55.0	+18 47	10.6	G
45	1039	54.3	+ 9 14	9.6	F5	1136	54.6	+22 23	10.7	Go	..	54.8	+20 40	10.7	A	..	55.0	+17 40	11.4	F5
46	1134	54.3	+ 8 35	9.8	A7	1213	54.6	+20 36	10.6	A5	..	54.8	+18 50	11.4	M	..	55.0	+13 44	10.4	A2
47	1135	54.3	+ 8 11	10.5	Ko	..	54.6	+20 2	11.4	Go	..	54.8	+18 40	11.2	F2	995	55.0	+11 58	9.2	B5
48	1080	54.4	+30 53	10.6	A2	..	54.6	+19 52	11.0	A	1073	54.8	+13 56	8.7	B9	..	55.0	+11 23	11.0	A2
49	1079	54.4	+30 45	10.5	Ao	..	54.6	+17 14	11.3	A3	1074	54.8	+13 41	9.6	A3	969	55.0	+10 51	10.1	B5
50	..	54.4	+30 13	10.6	A	956	54.6	+16 56	10.6	F8	..	54.8	+12 35	11.4	K5	968	55.0	+10 32	10.6	G5

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$5^h\ 55^m.0$ to $5^h\ 56^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1095	55.0	+ 3 27	9.9	K2	1218	55.3	+20 25	9.8	G5	1049	55.5	+ 9 18	10.8	A	..	55.8	+22 16	10.9	A
2	1214	55.1	+33 46	9.8	Go	..	55.3	+20 1	11.2	A	..	55.5	+ 6 50	10.8	K	1220	55.8	+20 46	10.8	Ko
3	..	55.1	+31 28	10.6	A2	1171	55.3	+19 38	10.4	F5	..	55.5	+ 6 46	11.2	G	..	55.8	+19 20	10.8	G
4	..	55.1	+29 12	11.4	A	..	55.3	+18 47	11.6	Ao	1088	55.6	+30 16	11.2	A	..	55.8	+19 17	11.2	F2
5	950	55.1	+27 43	9.7	A3	..	55.3	+18 46	10.8	Ko	1087	55.6	+30 8	9.2	A2	..	55.8	+18 25	10.4	K2
6	949	55.1	+27 33	11.1	K5	1054	55.3	+18 23	10.3	Ao	981	55.6	+28 45	10.0	B8	1093	55.8	+17 39	10.6	K5
7	951	55.1	+27 4	10.8	F5	1090	55.3	+17 16	11.3	Ko	1080	55.6	+25 35	10.6	K2	966	55.8	+16 35	11.0	K7
8	1034	55.1	+26 45	10.2	K2	963	55.3	+16 28	9.6	A7	1153	55.6	+23 39	10.8	A	..	55.8	+16 8	10.8	Go
9	1081	55.1	+21 6	10.8	Ao	1111	55.3	+14 44	9.8	B9	1083	55.6	+21 18	9.8	Ao	1026	55.8	+15 8	10.4	K5
10	1216	55.1	+20 14	9.0	B3	996	55.3	+11 43	9.2	B3	..	55.6	+20 5	11.3	A	1077	55.8	+13 25	9.8	K2
11	..	55.1	+20 9	10.6	A	..	55.3	+11 28	10.8	K2	..	55.6	+19 35	10.5	A3	..	55.8	+11 40	10.8	Ao
12	961	55.1	+16 16	9.9	B9	972	55.3	+10 57	10.7	F8	..	55.6	+19 19	11.5	G5	..	55.8	+10 54	11.3	A
13	..	55.1	+15 57	10.2	A3	971	55.3	+10 5	10.1	B9	1075	55.6	+13 59	9.9	Fo	974	55.8	+10 22	10.9	F5
14	1022	55.1	+15 11	10.4	F8	..	55.3	+ 9 56	11.4	Ao	987	55.6	+12 15	10.5	A2	..	55.8	+ 9 8	10.3	A3
15	1023	55.1	+15 6	10.2	Fo	1089	55.3	+ 7 56	9.8	A2	..	55.6	+11 16	10.2	A2	1148	55.8	+ 8 34	9.9	Go
16	1047	55.1	+ 9 42	10.6	Ao	1162	55.4	+32 20	10.2	Go	1051	55.6	+ 9 1	9.6	B9	..	55.8	+ 5 57	10.7	A7
17	..	55.1	+ 9 41	11.2	F8	1086	55.4	+30 13	9.4	Fo	1085	55.6	+ 6 52	9.8	Go	..	55.8	+ 5 41	10.4	F8
18	..	55.1	+ 9 31	11.2	Ko	952	55.4	+27 42	10.7	Ko	..	55.6	+ 6 50	9.8	A2	..	55.8	+ 5 37	11.2	G
19	..	55.1	+ 9 28	11.6	K2	..	55.4	+27 23	10.8	Ao	1237	55.7	+34 2	9.4	Ao	1099	55.8	+ 3 21	10.8	G5
20	..	55.1	+ 9 12	12.0	K5	..	55.4	+26 26	10.8	A	1218	55.7	+33 15	10.1	Go	..	55.9	+28 30	10.8	Ao
21	1046	55.1	+ 9 6	10.0	Mo	1151	55.4	+23 8	var.	B8	..	55.7	+29 56	10.8	A	956	55.9	+27 45	10.9	K5
22	1139	55.1	+ 8 29	9.9	F5	1219	55.4	+20 3	10.4	Ao	953	55.7	+27 12	10.6	Fo	1082	55.9	+25 47	9.4	Ao
23	..	55.1	+ 8 10	11.3	A	..	55.4	+20 0	10.8	Ko	1065	55.7	+24 59	10.4	Ao	1141	55.9	+22 14	10.3	Fo
24	1084	55.1	+ 6 55	11.2	K2	..	55.4	+17 18	11.6	Ko	1064	55.7	+24 41	11.0	K7	1221	55.9	+20 55	10.4	G5
25	1215	55.2	+33 48	9.9	F8	965	55.4	+16 40	10.2	A7	1067	55.7	+24 33	10.4	K7	..	55.9	+19 43	11.0	A
26	1160	55.2	+32 18	9.4	K2	1112	55.4	+14 41	9.4	Fo	1066	55.7	+24 17	10.4	Ao	1094	55.9	+17 34	11.8	K7
27	1161	55.2	+32 6	10.4	A2	..	55.4	+14 38	10.5	Ao	..	55.7	+23 1	11.6	A	..	55.9	+17 14	11.4	A5
28	1076	55.2	+29 31	9.8	A2	1113	55.4	+14 13	9.8	F5	..	55.7	+22 56	11.2	A	969	55.9	+16 12	10.8	G5
29	..	55.2	+29 14	11.6	A	..	55.4	+13 45	11.2	A7	1085	55.7	+21 50	10.8	Ko	968	55.9	+16 6	10.8	A5
30	..	55.2	+28 32	11.0	Ao	1048	55.4	+ 9 53	9.6	F8	1084	55.7	+21 8	10.2	F8	..	55.9	+13 43	10.9	A7
31	1061	55.2	+24 40	11.0	A7	..	55.4	+ 8 49	10.5	F8	1175	55.7	+19 11	10.2	K2	..	55.9	+12 28	10.5	A7
32	1062	55.2	+24 25	9.6	F5	1090	55.4	+ 7 52	10.4	A2	1092	55.7	+17 29	9.9	F8	998	55.9	+11 54	10.1	B5
33	..	55.2	+19 6	11.4	Ko	..	55.4	+ 6 30	11.6	A7	..	55.7	+11 32	11.2	A	975	55.9	+10 59	9.7	Go
34	..	55.2	+17 26	11.6	A5	..	55.4	+ 4 17	11.4	Ao	997	55.7	+11 28	10.1	Fo	..	55.9	+10 21	11.0	K7
35	962	55.2	+16 22	11.0	Go	1101	55.4	+ 4 4	11.6	K7	1053	55.7	+ 9 29	11.2	A	..	55.9	+ 8 19	11.2	F2
36	1024	55.2	+15 33	11.0	A2	1097	55.4	+ 3 8	10.6	K5	1146	55.7	+ 8 54	10.8	Ko	1093	55.9	+ 7 51	10.0	K2
37	1110	55.2	+14 50	9.9	F8	1217	55.5	+33 16	9.3	G5	..	55.7	+ 8 7	11.4	A3	..	55.9	+ 6 27	11.8	F8
38	..	55.2	+10 33	10.5	G	..	55.5	+23 9	11.6	Ko	1147	55.7	+ 8 1	10.8	Go	..	55.9	+ 5 45	11.4	G
39	..	55.2	+ 9 24	11.6	F2	1082	55.5	+21 27	10.4	Fo	1086	55.7	+ 6 34	9.7	Fo	1068	55.9	+ 5 35	11.0	K2
40	..	55.2	+ 9 24	11.2	Ao	1173	55.5	+19 53	11.0	K5	..	55.7	+ 6 16	11.6	A	1219	56.0	+33 24	10.0	Ao
41	..	55.2	+ 8 43	11.4	A7	1174	55.5	+19 23	9.5	F8	1067	55.7	+ 5 59	10.6	Go	983	56.0	+28 40	10.5	A3
42	1140	55.2	+ 8 35	10.0	A3	..	55.5	+18 19	11.2	Go	1098	55.7	+ 3 9	10.0	F2	957	56.0	+27 2	10.8	F8
43	..	55.2	+ 8 28	11.5	K2	1057	55.5	+18 14	10.1	Ko	1163	55.8	+32 12	9.3	A3	..	56.0	+26 40	11.0	A
44	1142	55.2	+ 8 12	9.6	G5	1091	55.5	+17 26	9.7	Ao	*1078*	55.8	+30 0	10.4	Ko	1037	56.0	+26 31	10.4	Go
45	1143	55.2	+ 8 0	10.6	F8	1114	55.5	+14 45	9.1	B9	1077	55.8	+29 33	9.4	A3	1085	56.0	+25 59	10.6	Fo
46	1099	55.2	+ 4 7	11.8	Ao	..	55.5	+13 53	10.6	A5	1079	55.8	+29 8	10.6	F5	1084	56.0	+25 51	10.7	K7
47	1096	55.2	+ 3 24	11.1	Go	..	55.5	+13 0	11.2	A7	982	55.8	+28 8	10.4	Ko	1083	56.0	+25 12	10.7	Ko
48	1216	55.3	+33 34	11.0	Ko	986	55.5	+12 40	9.4	Go	955	55.8	+27 12	10.2	Go	1068	56.0	+24 50	10.6	A
49	..	55.3	+33 26	10.9	G5	..	55.5	+11 51	10.6	F8	954	55.8	+27 6	11.0	K5	1069	56.0	+24 46	10.5	A
50	1217	55.3	+20 46	9.8	Go	1049	55.5	+ 9 18	10.2	F5	1155	55.8	+23 29	9.9	Go	1070	56.0	+24 33	9.9	Fo

$+3°.0$ to $+34°.0$

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1930ApHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1087	56.0	+21 43	10.7	Ao	973	56.2	+16 13	11.2	G5	..	56.4	+16 32	11.2	G	991	56.6	+12 39	10.3	Go
2	..	56.0	+20 5	11.1	A	972	56.2	+16 1	10.8	F5	1081	56.4	+13 26	10.4	A2	990	56.6	+12 26	11.7	K2
3	..	56.0	+19 27	11.2	A	..	56.2	+15 55	11.5	A2	..	56.4	+12 36	11.0	A2	992	56.6	+12 10	9.6	A3
4	..	56.0	+18 13	10.6	A2	1029	56.2	+15 36	10.2	Ko	981	56.4	+10 58	10.9	K5	..	56.6	+11 51	10.6	A5
5	..	56.0	+18 11	11.0	A	..	56.2	+14 25	10.8	G5	..	56.4	+10 25	10.7	A7	1061	56.6	+ 9 58	10.1	Ko
6	..	56.0	+14 23	11.2	F5	1079	56.2	+13 3	9.5	A7	..	56.4	+10 0	10.1	A3	..	56.6	+ 6 21	11.4	A2
7	..	56.0	+12 47	10.9	F8	989	56.2	+12 6	10.4	F8	1059	56.4	+ 9 54	10.0	K5	..	56.7	+31 44	11.4	K5
8	999	56.0	+11 2	11.0	G5	..	56.2	+11 7	10.4	Ao	1151	56.4	+ 8 14	9.9	A3	..	56.7	+31 31	10.6	Ao
9	976	56.0	+10 30	10.5	A3	..	56.2	+ 9 55	11.6	Go	..	56.4	+ 7 24	11.4	G	..	56.7	+31 14	10.6	A5
10	..	56.0	+ 9 16	11.6	G5	1150	56.2	+ 8 1	10.6	Go	1089	56.4	+ 6 10	11.4	K2	1083	56.7	+29 47	10.3	A7
11	..	56.0	+ 4 25	11.4	A2	..	56.2	+ 6 32	10.7	A5	1071	56.4	+ 5 52	9.8	G5	992	56.7	+28 27	9.6	F8
12	1100	56.0	+ 3 40	10.6	Ao	..	56.2	+ 6 15	11.6	F	..	56.4	+ 4 24	11.2	A3	1088	56.7	+25 40	9.0	B9
13	1089	56.1	+30 55	10.5	A3	1069	56.2	+ 5 10	11.4	G5	..	56.4	+ 4 11	11.5	K7	1072	56.7	+24 54	11.2	K7
14	985	56.1	+28 58	10.9	A3	1103	56.2	+ 3 20	12.0	Ko	1168	56.5	+32 0	10.4	K5	..	56.7	+23 58	10.9	A
15	986	56.1	+28 29	9.8	A3	1242	56.3	+34 2	9.2	B9	..	56.5	+30 33	10.8	A5	1094	56.7	+21 53	10.1	K2
16	1038	56.1	+26 52	10.9	A7	1220	56.3	+33 16	10.6	K5	990	56.5	+28 36	10.5	A3	1095	56.7	+21 30	11.2	G5
17	1142	56.1	+22 32	10.6	Go	1171	56.3	+31 3	10.4	A2	1160	56.5	+23 21	10.6	G5	1226	56.7	+20 50	10.3	F5
18	1088	56.1	+21 59	10.1	F2	1090	56.3	+30 8	10.3	A3	1159	56.5	+23 12	10.3	Ao	..	56.7	+20 11	10.8	A2
19	1089	56.1	+21 53	10.5	F5	1080	56.3	+29 51	10.8	A	1145	56.5	+22 51	10.3	F5	..	56.7	+19 54	11.0	A2
20	1222	56.1	+20 31	10.8	Go	1081	56.3	+29 31	10.6	A7	1091	56.5	+21 57	11.0	Ko	1181	56.7	+19 8	10.6	Ao
21	..	56.1	+20 17	10.8	A	1041	56.3	+26 8	10.6	Go	..	56.5	+21 19	11.3	A7	1116	56.7	+14 43	10.3	B8
22	1176	56.1	+19 45	10.1	A3	1040	56.3	+26 3	10.4	F8	1225	56.5	+20 19	10.0	A	1003	56.7	+11 37	10.4	K7
23	..	56.1	+18 33	9.7	Ao	1086	56.3	+25 8	11.3	K5	..	56.5	+20 12	10.8	A	..	56.7	+10 17	10.8	Ao
24	..	56.1	+18 18	11.1	A	1223	56.3	+20 1	10.4	F8	1180	56.5	+19 58	10.0	A7	..	56.7	+ 9 42	11.0	A7
25	970	56.1	+16 54	10.2	Fo	1178	56.3	+19 31	10.7	Ao	1062	56.5	+18 36	10.0	Ko	1062	56.7	+ 9 30	10.0	Fo
26	..	56.1	+16 11	11.6	A7	1179	56.3	+19 16	9.7	Ko	..	56.5	+16 13	11.4	A	..	56.7	+ 7 5	10.7	Fo
27	1027	56.1	+15 6	11.0	Ko	1059	56.3	+18 50	9.8	G5	..	56.5	+14 37	12.1	A	..	56.7	+ 5 38	10.7	A7
28	1028	56.1	+15 1	11.5	K	..	56.3	+13 48	10.4	B9	1082	56.5	+13 16	9.8	A5	..	56.7	+ 4 38	11.4	F8
29	988	56.1	+12 26	9.8	B8	..	56.3	+12 59	10.8	Ao	..	56.5	+ 9 58	10.4	F5	1107	56.7	+ 3 33	11.2	Go
30	979	56.1	+10 54	11.0	Mo	..	56.3	+11 49	10.9	A3	1060	56.5	+ 9 34	10.2	Ko	1221	56.8	+33 27	10.0	A2
31	978	56.1	+10 32	10.8	Ko	..	56.3	+11 30	11.0	Ao	1152	56.5	+ 8 49	9.8	Fo	1171	56.8	+32 15	10.0	A3
32	1056	56.1	+ 9 59	9.6	F8	980	56.3	+10 38	10.4	G5	..	56.5	+ 5 20	10.9	F	1170	56.8	+32 3	9.4	Ao
33	..	56.1	+ 9 7	11.4	F5	1058	56.3	+ 9 44	10.8	F2	1103	56.5	+ 4 52	10.4	Go	1085	56.8	+29 26	10.1	Go
34	1149	56.1	+ 8 44	10.2	A3	..	56.3	+ 8 46	11.4	Ko	1172	56.6	+31 36	9.6	Go	962	56.8	+27 26	9.7	A5
35	..	56.1	+ 7 49	11.1	F5	..	56.3	+ 8 11	11.5	A	..	56.6	+31 15	10.6	Ao	..	56.8	+25 31	10.4	Ao
36	1088	56.1	+ 6 37	10.8	G	..	56.3	+ 7 45	10.6	A3	1092	56.6	+30 54	10.7	A3	..	56.8	+25 18	10.6	A2
37	1102	56.1	+ 3 27	12.0	F8	..	56.3	+ 7 15	11.4	G	1093	56.6	+30 30	10.6	F8	..	56.8	+24 26	11.0	A3
38	1101	56.1	+ 3 6	10.6	F8	1096	56.3	+ 7 6	10.6	Go	961	56.6	+27 30	10.7	A2	1149	56.8	+22 58	9.6	Ao
39	988	56.2	+28 33	11.6	K2	1070	56.3	+ 5 14	10.4	B9	..	56.6	+27 20	10.8	A5	1148	56.8	+22 17	10.0	F5
40	989	56.2	+28 12	10.2	K2	..	56.3	+ 4 35	11.0	F8	1043	56.6	+26 5	10.4	A2	1227	56.8	+20 48	10.2	Ko
41	960	56.2	+27 54	9.3	B8	..	56.3	+ 4 19	11.5	G5	1087	56.6	+25 46	10.6	Ko	1063	56.8	+18 57	11.8	Ko
42	959	56.2	+27 24	9.6	G5	..	56.4	+33 23	10.5	Ao	1146	56.6	+22 15	var.	G5	1065	56.8	+18 50	10.8	Ao
43	1143	56.2	+22 9	9.6	F8	1167	56.4	+32 48	9.2	B8	..	56.6	+21 54	10.1	K2	1097	56.8	+17 4	10.8	Fo
44	1090	56.2	+21 14	10.8	Go	1091	56.4	+30 21	10.4	Ko	1092	56.6	+21 51	10.4	K5	..	56.8	+13 26	10.9	Go
45	1177	56.2	+19 14	10.4	Ao	1042	56.4	+26 10	9.8	A2	1093	56.6	+21 8	10.8	Ko	982	56.8	+10 40	11.1	Mo
46	1058	56.2	+18 44	10.4	G5	1158	56.4	+23 0	11.1	A	..	56.6	+17 56	11.0	A	..	56.8	+10 16	10.8	Ao
47	..	56.2	+18 21	9.2	A2	1224	56.4	+20 3	10.6	A2	976	56.6	+16 14	11.6	K5	..	56.8	+10 5	10.6	A7
48	1096	56.2	+17 54	10.7	K2	..	56.4	+18 27	10.2	Ao	..	56.6	+16 9	11.3	A2	..	56.8	+ 9 14	11.8	K2
49	971	56.2	+16 32	10.0	G5	1060	56.4	+18 5	10.3	G	..	56.6	+16 0	11.2	Ao	..	56.8	+ 8 51	10.6	Ao
50	974	56.2	+16 30	9.7	Ao	..	56.4	+17 36	11.2	A2	1083	56.6	+13 5	10.4	A3	1153	56.8	+ 8 42	10.0	F5

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1936AnHar.100....1C

250700

$5^h\ 56^m.8$ to $5^h\ 57^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	56.8	+ 7 49	11.2	G5	1087	57.2	+29 35	10.2	Ao	..	57.3	+11 42	10.6	Ao	1092	57.6	+29 29	10.1	Ko
2	1073	56.9	+24 52	10.5	Ao	..	57.2	+28 48	10.5	A	983	57.3	+10 18	9.9	A2	..	57.6	+27 53	11.2	A
3	..	56.9	+19 54	11.0	F8	..	57.2	+27 36	12.0	F8	..	57.3	+ 9 57	11.1	Ao	1051	57.6	+26 21	10.2	K7
4	..	56.9	+17 52	10.6	Ao	1044	57.2	+26 7	9.2	F8	..	57.3	+ 9 32	10.2	Go	..	57.6	+22 20	11.5	A7
5	1098	56.9	+17 23	10.7	Ko	1094	57.2	+25 42	9.8	Ao	..	57.3	+ 8 20	11.0	Ao	..	57.6	+22 13	11.8	Ko
6	..	56.9	+17 20	11.4	Ko	*1076*	57.2	+25 0	10.5	K5	1101	57.3	+ 7 58	9.8	A2	..	57.6	+20 29	11.8	A
7	1032	56.9	+15 46	10.1	A3	1077	57.2	+24 48	11.0	F5	..	57.3	+ 6 11	10.6	Fo	..	57.6	+17 27	10.6	F5
8	..	56.9	+ 7 25	10.8	Go	1165	57.2	+23 27	10.8	G5	..	57.3	+ 4 56	11.1	A5	1106	57.6	+17 25	9.8	A2
9	1091	56.9	+ 6 36	9.5	A3	..	57.2	+22 18	10.2	A	1110	57.3	+ 3 41	11.4	G5	..	57.6	+16 44	10.8	F8
10	..	56.9	+ 4 2	11.4	Go	..	57.2	+21 43	11.8	F2	1179	57.4	+31 19	10.1	Go	..	57.6	+16 42	10.7	Go
11	1224	57.0	+33 14	10.6	K2	..	57.2	+21 6	11.4	Fo	1095	57.4	+30 30	10.6	K7	1040	57.6	+15 10	11.0	Ko
12	..	57.0	+27 48	10.7	Ao	..	57.2	+20 38	10.5	Ao	1090	57.4	+29 21	10.0	A	1125	57.6	+14 50	10.6	K2
13	1091	57.0	+25 42	11.0	K7	..	57.2	+18 54	11.8	K5	1168	57.4	+23 20	9.8	Fo	..	57.6	+13 48	10.9	A
14	1074	57.0	+24 17	10.5	K2	..	57.2	+17 9	10.8	F2		57.4	+23 20	9.6	F2	985	57.6	+10 2	9.8	F2
15	1075	57.0	+24 12	9.4	F8	977	57.2	+16 5	10.5	A3	..	57.4	+22 35	11.9	G5	..	57.6	+ 9 38	11.6	Ao
16	..	57.0	+21 46	11.4	Ko	..	57.2	+15 22	10.8	Ao	1102	57.4	+17 12	12.2	K5	1068	57.6	+ 9 25	12.0	K7
17	1228	57.0	+20 23	10.6	Ko	1121	57.2	+14 40	9.8	F8	..	57.4	+12 47	10.6	Ao	..	57.6	+ 8 27	10.4	Fo
18	1184	57.0	+19 56	11.0	F8	1089	57.2	+13 38	10.5	B8	..	57.4	+11 20	10.4	A5	..	57.6	+ 8 0	11.0	G5
19	..	57.0	+19 50	11.2	Ao	995	57.2	+12 13	10.8	K7	1006	57.4	+11 6	10.2	Ko	..	57.6	+ 6 35	11.4	Ao
20	1183	57.0	+19 28	10.6	K7		57.2	+12 13	11.6	Ko	984	57.4	+10 9	9.7	A7	..	57.6	+ 6 30	10.6	Ao
21	..	57.0	+18 46	11.4	A2	996	57.2	+12 1	10.5	F8	1066	57.4	+ 9 19	11.3	K5	..	57.6	+ 5 43	11.2	K7
22	1099	57.0	+17 51	10.2	A5	..	57.2	+10 45	11.2	Fo	1157	57.4	+ 8 38	10.5	G5	1108	57.6	+ 4 22	10.6	Go
23	..	57.0	+17 23	11.2	Fo	..	57.2	+ 8 22	11.2	Go	..	57.4	+ 8 3	11.4	A2	1182	57.7	+31 35	10.2	A3
24	1100	57.0	+17 4	10.3	F5	1100	57.2	+ 7 56	9.4	A3	..	57.4	+ 6 17	10.6	A2	1183	57.7	+31 30	11.2	K5
25	1087	57.0	+13 27	11.1	K2	..	57.2	+ 7 26	11.5	F2	1107	57.4	+ 4 4	10.5	F8	1093	57.7	+29 37	10.5	A5
26	1086	57.0	+13 14	10.8	K5	..	57.2	+ 7 14	10.2	F8	1229	57.5	+33 44	9.3	A2	1096	57.7	+25 7	9.6	A7
27	1004	57.0	+11 0	10.2	G5	..	57.2	+ 5 48	10.7	A3	1175	57.5	+32 53	9.4	A3	..	57.7	+22 57	10.8	Ao
28	..	57.0	+ 9 34	10.6	B8	..	57.2	+ 4 25	12.0	A2	1180	57.5	+31 12	10.6	G5	..	57.7	+22 36	11.5	Ao
29	1154	57.0	+ 8 32	10.4	K7	1173	57.3	+32 32	10.4	Ko	965	57.5	+27 48	10.5	F5	1096	57.7	+21 56	10.6	F5
30	..	57.0	+ 8 11	11.4	A	1178	57.3	+31 10	10.6	A	1049	57.5	+26 54	9.7	Fo	1231	57.7	+20 59	11.0	G5
31	1155	57.0	+ 8 3	11.4	K2	..	57.3	+30 40	10.8	A	1050	57.5	+26 44	9.7	K2	1188	57.7	+19 44	10.8	G5
32	..	57.0	+ 6 8	10.7	A5	1094	57.3	+30 32	9.6	Go	1048	57.5	+26 20	10.4	B9	..	57.7	+19 40	10.7	A2
33	1105	57.0	+ 4 22	11.0	K7	..	57.3	+29 23	11.1	A	1078	57.5	+24 50	10.4	Go	1187	57.7	+19 7	11.2	K5
34	1109	57.0	+ 3 27	11.6	Ko	1088	57.3	+29 20	11.0	Mo	..	57.5	+21 58	11.7	A2	..	57.7	+18 23	11.0	A7
35	1172	57.1	+32 20	10.1	G5	..	57.3	+27 40	10.4	A	..	57.5	+19 4	11.7	F8	..	57.7	+17 35	11.2	A7
36	..	57.1	+29 35	10.5	Ao	1167	57.3	+23 49	10.6	A7	1068	57.5	+18 45	10.6	A2	1042	57.7	+15 38	10.6	Ao
37	1086	57.1	+29 31	10.1	Ao	1166	57.3	+23 3	11.2	G5	..	57.5	+17 55	11.6	Fo	..	57.7	+14 16	10.6	A
38	1092	57.1	+25 39	9.7	F5	1152	57.3	+22 14	10.0	A2	..	57.5	+17 53	11.9	Go	1090	57.7	+13 46	10.9	G5
39	1163	57.1	+23 37	10.7	A	..	57.3	+21 46	11.6	F8	..	57.5	+17 13	11.6	Go	1091	57.7	+13 40	10.2	F5
40	1151	57.1	+22 20	9.8	K2	1230	57.3	+20 24	10.5	F2	1104	57.5	+17 11	10.5	Go	1069	57.7	+ 9 29	11.2	Fo
41	..	57.1	+19 1	11.4	Ao	..	57.3	+20 16	10.7	A2	1103	57.5	+17 3	9.8	Fo	1070	57.7	+ 9 23	10.2	Ao
42	..	57.1	+18 16	11.8	A3	1185	57.3	+19 23	9.8	Go	980	57.5	+16 1	10.7	K2	..	57.7	+ 6 18	10.2	B9
43	1066	57.1	+18 4	10.2	Ao	..	57.3	+18 29	11.8	K2	..	57.5	+10 40	11.0	Fo	1111	57.7	+ 3 38	10.2	Ao
44		57.1	+18 4	11.2	Ao	..	57.3	+17 15	10.8	Ao	1067	57.5	+ 9 45	10.2	F8	996	57.8	+28 29	10.0	Ao
45	1035	57.1	+15 41	11.7	A3	..	57.3	+16 22	var.	Me	..	57.5	+ 8 42	11.2	F5	..	57.8	+27 55	11.1	F5
46	1119	57.1	+14 48	10.8	G	1036	57.3	+15 14	11.2	Ko	1093	57.5	+ 6 2	10.0	A7	1095	57.8	+25 32	9.4	Ao
47	1120	57.1	+14 35	10.0	A2	1123	57.3	+14 30	10.5	B5	..	57.5	+ 5 46	11.0	G5	..	57.8	+22 55	10.6	A2
48	..	57.1	+12 50	10.6	Go	1122	57.3	+14 1	9.8	F5	..	57.5	+ 4 17	11.3	Go	..	57.8	+22 47	10.8	A3
49	1065	57.1	+ 9 41	9.7	G5	997	57.3	+12 31	10.6	A2	1176	57.6	+32 0	10.6	Ko	..	57.8	+22 16	11.2	A7
50	1098	57.1	+ 7 21	9.7	Go	..	57.3	+11 45	10.8	Go	1091	57.6	+29 58	10.6	Ko	..	57.8	+19 43	10.6	Fo

$+3°.0$ to $+34°.0$

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1936ApJ...84..100....1C

250900

$5^h\ 57^m.8$ to $5^h\ 58^m.6$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	57.8	+18 13	11.4	Ko	..	58.0	+16 16	11.4	G	1011	58.2	+11 29	9.4	B9	..	58.4	+10 21	11.3	Ao
2	983	57.8	+16 18	11.0	Ko	..	58.0	+16 7	11.0	A	988	58.2	+10 36	10.6	K2	990	58.4	+10 15	9.5	F2
3	982	57.8	+16 10	11.0	K5	1127	58.0	+14 23	10.1	G	989	58.2	+10 8	9.6	Ko	..	58.4	+10 12	10.8	A
4	1044	57.8	+15 51	9.8	A3	..	58.0	+11 49	11.4	A	..	58.2	+ 9 16	11.3	K5	..	58.4	+ 9 22	10.4	Ao
5	..	57.8	+15 20	10.8	A5	1010	58.0	+11 46	10.4	Go	..	58.2	+ 9 14	11.4	F5	1164	58.4	+ 8 34	9.4	Go
6	..	57.8	+12 11	10.8	Go	987	58.0	+10 38	9.7	G5	..	58.2	+ 8 15	11.0	A3	..	58.4	+ 8 21	11.4	K2
7	1158	57.8	+ 8 33	10.6	F8	1074	58.0	+ 9 50	10.2	G5	..	58.2	+ 5 17	11.4	G	1109	58.4	+ 7 50	10.5	Ko
8	..	57.8	+ 7 49	11.1	F8	..	58.0	+ 8 5	11.3	G5	1233	58.3	+33 50	10.0	Ao	..	58.4	+ 5 33	11.6	G
9	1104	57.8	+ 7 14	10.4	Go	1105	58.0	+ 7 3	10.2	G5	1178	58.3	+32 11	9.1	Ao	1115	58.4	+ 3 38	10.0	B9
10	1094	57.8	+ 6 29	9.8	Go	1096	58.0	+ 6 30	10.2	A5	999	58.3	+28 39	10.3	A3	1114	58.4	+ 3 22	10.8	F8
11	..	57.8	+ 6 16	11.4	G5	1187	58.1	+31 3	10.2	K5	1000	58.3	+28 18	11.2	Ko	1179	58.5	+32 40	9.5	Ao
12	1252	57.9	+34 16	9.4	A	1097	58.1	+30 14	9.6	Ao	1053	58.3	+26 5	10.8	Ao	..	58.5	+32 27	10.6	A5
13	..	57.9	+31 46	10.6	A2	..	58.1	+27 33	11.8	A	1171	58.3	+23 36	10.0	Ao	1100	58.5	+30 57	9.6	A3
14	1098	57.9	+25 16	9.7	B5	..	58.1	+24 37	11.0	Go	1156	58.3	+22 10	10.4	Go	..	58.5	+29 44	11.3	K
15	1079	57.9	+24 44	10.3	Ko	..	58.1	+24 6	11.2	G5	..	58.3	+21 17	11.5	A3	..	58.5	+28 44	10.3	A5
16	..	57.9	+23 55	11.1	A5	..	58.1	+22 43	11.6	Ko	1100	58.3	+21 6	10.6	B9	967	58.5	+27 49	11.2	Ko
17	..	57.9	+23 2	12.1	K5	1154	58.1	+22 38	10.4	K2	..	58.3	+21 3	10.9	A2	..	58.5	+27 6	10.7	Fo
18	1097	57.9	+21 30	10.8	A5	1153	58.1	+22 29	9.5	Ao	1191	58.3	+19 15	9.4	A5	1054	58.5	+26 55	10.9	A
19	..	57.9	+21 11	11.4	Go	..	58.1	+21 16	11.1	A2	..	58.3	+17 35	10.7	Ao	..	58.5	+24 38	10.8	Ao
20	..	57.9	+21 5	11.8	F2	..	58.1	+21 9	10.6	A5	..	58.3	+17 12	11.2	F8	1082	58.5	+24 21	12.2	K7
21	..	57.9	+21 3	12.1	K5	..	58.1	+20 43	11.0	Ao	987	58.3	+16 8	10.3	Ao	1081	58.5	+24 0	10.3	Fo
22	..	57.9	+20 45	11.2	F2	..	58.1	+18 47	10.5	A2	..	58.3	+12 6	11.3	A	1172	58.5	+23 23	9.0	F5
23	..	57.9	+19 58	11.4	Fo	..	58.1	+18 34	11.6	G5	1076	58.3	+ 9 30	10.7	A2	..	58.5	+22 8	10.8	A2
24	1190	57.9	+19 14	11.0	Go	..	58.1	+17 45	10.9	A2	1077	58.3	+ 9 19	9.2	A3	..	58.5	+21 48	11.3	B5
25	1189	57.9	+19 4	10.8	K2	1110	58.1	+17 17	11.0	Go	..	58.3	+ 8 18	11.0	Ko	..	58.5	+21 3	11.2	G5
26	1108	57.9	+17 20	11.2	G5	986	58.1	+16 4	10.3	A2	..	58.3	+ 8 15	11.2	Go	1240	58.5	+20 27	9.4	A2
27	..	57.9	+12 17	11.6	A	..	58.1	+13 46	10.8	B8	1163	58.3	+ 8 5	10.0	K5	..	58.5	+20 13	11.3	Ao
28	986	57.9	+10 39	9.8	Go	1002	58.1	+12 8	9.8	Ao	..	58.3	+ 7 21	10.8	Fo	1075	58.5	+18 43	10.0	Ao
29	..	57.9	+ 9 39	10.5	G5	..	58.1	+11 17	10.4	A3	1108	58.3	+ 7 11	10.0	A2	..	58.5	+18 30	11.6	A5
30	1073	57.9	+ 9 6	9.7	Ao	1075	58.1	+ 9 40	9.5	Bo	..	58.3	+ 6 52	11.1	G	1076	58.5	+18 16	10.8	Go
31	..	57.9	+ 9 0	11.6	A	..	58.1	+ 9 8	10.6	Ko	..	58.3	+ 6 47	10.6	A5	1132	58.5	+14 40	11.4	K7
32	1159	57.9	+ 8 48	10.4	K2	..	58.1	+ 8 8	11.4	A5	1098	58.3	+ 6 37	10.2	F5	..	58.5	+14 37	10.8	A5
33	..	57.9	+ 8 45	11.8	A	1106	58.1	+ 7 30	11.1	G5	1099	58.3	+ 6 35	11.2	K7	1131	58.5	+14 36	10.1	Ko
34	..	57.9	+ 8 40	10.6	Fo	1107	58.1	+ 7 10	10.8	K2	1076	58.3	+ 5 47	10.8	Go	..	58.5	+14 19	10.6	F8
35	..	57.9	+ 6 47	11.8	K5	1097	58.1	+ 6 49	10.0	F5	1109	58.3	+ 4 4	11.8	K7	1004	58.5	+12 13	10.0	Go
36	..	57.9	+ 6 45	11.9	G	..	58.1	+ 6 1	11.4	F5	1113	58.3	+ 3 14	11.2	Ko	..	58.5	+ 9 47	11.1	F8
37	..	57.9	+ 5 40	10.8	F8	..	58.2	+31 41	10.4	Ao	..	58.4	+25 54	11.2	F	1078	58.5	+ 9 20	9.9	Go
38	1231	58.0	+33 59	10.7	A	1099	58.2	+30 36	10.8	G	..	58.4	+24 59	10.8	A5	1078	58.5	+ 5 19	11.3	Ko
39	1186	58.0	+31 1	10.4	Ao	1101	58.2	+25 48	11.2	K5	..	58.4	+21 22	10.7	A5	1077	58.5	+ 5 15	10.4	B9
40	..	58.0	+25 28	10.7	A	1102	58.2	+25 38	10.0	A2	..	58.4	+21 13	12.3	Ko	1111	58.5	+ 4 58	10.6	Go
41	1080	58.0	+24 59	10.9	K7	..	58.2	+24 41	11.0	A2	..	58.4	+20 53	10.8	A3	1116	58.5	+ 3 42	10.5	A2
42	1169	58.0	+23 49	10.5	Ko	..	58.2	+24 27	12.0	K5	1239	58.4	+20 32	9.4	A2	1117	58.5	+ 3 6	11.6	K2
43	1098	58.0	+21 55	10.0	A3	1155	58.2	+22 58	12.0	K2	1236	58.4	+20 24	9.5	F5	1234	58.6	+33 50	10.0	Fo
44	1232	58.0	+20 53	11.7	K7	..	58.2	+22 41	11.2	A2	1237	58.4	+20 12	9.9	F8	1180	58.6	+32 46	10.4	A2
45	..	58.0	+20 40	11.2	G5	..	58.2	+21 19	11.2	Ao	1238	58.4	+20 4	10.1	F2	1101	58.6	+30 56	10.8	A2
46	..	58.0	+20 32	11.4	Go	..	58.2	+20 41	11.4	Go	..	58.4	+18 13	11.4	F8	..	58.6	+29 35	10.6	A3
47	..	58.0	+19 38	11.0	A3	1234	58.2	+20 28	11.2	Ko	..	58.4	+17 42	11.2	Go	1096	58.6	+29 26	10.5	Go
48	..	58.0	+19 14	11.4	Go	1073	58.2	+18 50	10.5	F5	1112	58.4	+17 17	9.9	Go	..	58.6	+24 43	11.4	G5
49	..	58.0	+19 1	12.0	Fo	1111	58.2	+17 47	10.8	Go	1130	58.4	+14 29	10.0	Fo	1173	58.6	+23 16	10.8	Ko
50	1072	58.0	+18 15	10.2	Ao	1093	58.2	+13 9	9.8	G	1094	58.4	+13 34	9.1	B8	1101	58.6	+21 4	11.6	K7

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	58.6	+20 43	10.8	A0	1158	58.8	+22 2	9.4	B8	1180	59.0	+23 50	10.8	A5	1102	59.2	+29 8	10.1	A7
2	..	58.6	+20 43	11.1	A0	..	58.8	+21 18	11.6	A0	..	59.0	+23 39	11.6	K7	..	59.2	+24 17	11.0	A0
3	1192	58.6	+19 42	10.7	A2	..	58.8	+20 55	10.5	A2	..	59.0	+23 36	11.8	K5	..	59.2	+24 10	12.0	K5
4	..	58.6	+19 16	11.2	F8	..	58.8	+19 31	11.8	A5	1179	59.0	+23 24	10.4	B	..	59.2	+22 38	10.5	A3
5	1193	58.6	+19 12	10.3	A7	..	58.8	+16 17	10.9	F8	1160	59.0	+22 49	10.3	A0	1108	59.2	+21 51	10.2	G5
6	..	58.6	+15 55	11.7	A	1135	58.8	+14 46	10.5	B5	..	59.0	+21 11	11.6	F2	..	59.2	+21 35	11.6	K5
7	1007	58.6	+12 59	10.4	K2	..	58.8	+14 17	10.8	F2	..	59.0	+20 15	10.8	F0	..	59.2	+18 37	11.2	A2
8	1006	58.6	+12 46	10.7	K2	..	58.8	+13 52	10.4	F8	..	59.0	+18 45	11.7	G5	1115	59.2	+17 55	10.4	A7
9	..	58.6	+ 9 41	11.7	F0	1098	58.8	+13 28	11.0	K0	..	59.0	+18 20	11.3	A2	..	59.2	+14 18	11.0	G
10	..	58.6	+ 9 23	11.3	A3	..	58.8	+10 4	11.4	A0	1114	59.0	+17 38	9.6	A0	1101	59.2	+13 40	10.5	B3
11	..	58.6	+ 7 34	12.1	A	..	58.8	+ 9 22	11.0	A0	1050	59.0	+15 49	9.6	F2	..	59.2	+11 40	10.9	F5
12	1110	58.6	+ 7 5	10.2	A7	1169	58.8	+ 8 49	11.3	G0	1051	59.0	+15 24	10.6	A2	992	59.2	+10 21	9.6	A0
13	1080	58.6	+ 5 36	10.5	F8	1167	58.8	+ 8 42	10.6	F5	1099	59.0	+13 41	9.4	G5	..	59.2	+ 9 23	12.0	A
14	1102	58.7	+30 16	9.6	G0		58.8	+ 8 42	10.6	A0	..	59.0	+13 25	11.0	G5	1172	59.2	+ 8 28	11.5	M0
15	..	58.7	+29 29	10.9	G5	1168	58.8	+ 8 38	11.6	M0	1014	59.0	+11 5	11.2	G5	1116	59.2	+ 7 50	10.8	G0
16	1097	58.7	+29 19	10.5	K7	..	58.8	+ 8 30	10.5	A2	..	59.0	+ 9 36	11.9	A	1117	59.2	+ 7 18	10.0	G0
17	1001	58.7	+28 46	9.0	B0	..	58.8	+ 7 14	10.5	K0	..	59.0	+ 7 59	10.8	A5	1115	59.2	+ 7 14	10.0	A5
18	970	58.7	+27 58	11.2	K0	1082	58.8	+ 5 31	10.0	B9	1113	59.0	+ 7 52	10.6	A2	1102	59.2	+ 6 33	10.1	K0
19	969	58.7	+27 43	9.4	A0	..	58.9	+32 35	10.9	A	..	59.0	+ 7 18	10.6	A2	..	59.2	+ 4 48	9.9	G0
20	1055	58.7	+26 8	10.6	A2	1181	58.9	+32 31	10.8	A	..	59.0	+ 7 1	11.5	A0	1114	59.2	+ 4 4	10.5	G0
21	..	58.7	+25 38	10.6	A0	..	58.9	+32 25	11.0	G	1083	59.0	+ 5 36	10.4	K0	1238	59.3	+33 30	11.0	K7
22	1174	58.7	+23 56	9.9	F2	..	58.9	+32 10	11.0	A	..	59.0	+ 5 11	10.7	G0	1191	59.3	+31 3	11.1	G0
23	..	58.7	+23 28	11.0	A0	..	58.9	+27 28	10.7	F5	1112	59.0	+ 4 59	10.9	K2	1105	59.3	+30 53	10.9	K7
24	1157	58.7	+22 12	9.9	F5	1109	58.9	+25 58	8.7	A0	..	59.0	+ 4 5	11.2	F8	1103	59.3	+29 55	10.7	A3
25	1103	58.7	+21 54	10.0	A3	..	58.9	+23 48	12.2	K7	..	59.1	+32 41	10.9	A	..	59.3	+28 5	10.8	A0
26	..	58.7	+21 44	11.6	A7	1177	58.9	+23 28	10.8	G0	..	59.1	+31 52	10.8	F0	..	59.3	+24 59	11.1	F5
27	..	58.7	+21 36	11.4	K2	1159	58.9	+22 19	10.3	G5	1101	59.1	+29 2	10.0	A7	..	59.3	+24 50	11.0	G5
28	1104	58.7	+21 25	9.5	B9	..	58.9	+18 16	10.8	A5	..	59.1	+28 0	10.7	A	..	59.3	+24 2	10.9	F2
29	1241	58.7	+20 26	9.4	F0	1047	58.9	+15 55	10.4	G5	1058	59.1	+26 5	10.6	G	..	59.3	+23 30	11.5	K7
30	1077	58.7	+18 56	12.2	K7	1049	58.9	+15 34	10.2	F8	..	59.1	+25 30	10.6	A0	1181	59.3	+23 12	10.0	A0
31	..	58.7	+18 41	11.6	A	1048	58.9	+15 12	10.2	G0	..	59.1	+22 42	11.4	K0	..	59.3	+22 24	10.9	F8
32	..	58.7	+18 33	11.8	K2	1097	58.9	+13 58	9.9	G5	1106	59.1	+21 39	9.9	A2	..	59.3	+22 18	11.8	A
33	1134	58.7	+14 54	10.8	F5	..	58.9	+13 35	10.5	A3	..	59.1	+19 43	11.4	A3	1110	59.3	+21 55	10.0	A3
34	1096	58.7	+13 32	10.0	A5	..	58.9	+13 29	11.0	A	..	59.1	+18 20	12.4	M	..	59.3	+21 19	10.8	A0
35	..	58.7	+ 9 26	11.4	A2	1013	58.9	+11 12	10.2	A5	..	59.1	+16 6	11.3	F	1242	59.3	+20 28	10.4	A3
36	1165	58.7	+ 8 16	11.4	K7	..	58.9	+10 5	11.3	A2	..	59.1	+13 38	10.0	A5	1194	59.3	+19 55	10.6	G0
37	1166	58.7	+ 8 6	10.2	B9	..	58.9	+ 9 27	11.6	G0	1015	59.1	+11 30	10.1	A7	1079	59.3	+18 45	10.3	K0
38	..	58.7	+ 6 34	11.1	F5	..	58.9	+ 9 19	12.0	A	..	59.1	+ 9 48	11.7	F8	1080	59.3	+18 13	10.6	K0
39	..	58.7	+ 6 10	11.9	K2	1170	58.9	+ 8 30	9.8	G0	..	59.1	+ 9 8	11.2	A3	1116	59.3	+17 33	9.7	F2
40	1254	58.8	+34 6	10.4	K2	..	58.9	+ 8 13	11.3	F8	1171	59.1	+ 8 55	9.7	F5	1016	59.3	+11 46	10.2	F8
41	1103	58.8	+30 46	10.2	A2	..	58.9	+ 7 31	11.3	G5	..	59.1	+ 8 33	11.8	A	993	59.3	+10 49	9.9	F2
42	1098	58.8	+29 50	10.0	G0	1112	58.9	+ 7 3	10.9	A3	..	59.1	+ 8 28	11.2	F2	..	59.3	+10 32	10.4	A0
43	1099	58.8	+29 35	9.9	F0	..	58.9	+ 6 36	10.8	A2	1114	59.1	+ 7 23	10.2	A2	..	59.3	+ 9 43	11.2	A3
44	..	58.8	+29 23	10.5	A5	1101	58.9	+ 6 34	9.4	G0	..	59.1	+ 7 22	11.4	A3	..	59.3	+ 8 3	11.3	F8
45	1003	58.8	+28 33	9.5	A0	..	58.9	+ 5 11	11.2	F	..	59.1	+ 6 56	11.6	A	..	59.3	+ 7 57	10.4	A0
46	..	58.8	+24 54	11.1	K7	1237	59.0	+33 21	9.9	A3	..	59.1	+ 5 15	11.1	A3	..	59.3	+ 7 47	10.6	G5
47	..	58.8	+24 46	11.8	K5	1189	59.0	+31 48	11.1	G	1118	59.1	+ 3 32	9.8	F0	..	59.3	+ 7 16	11.4	A0
48	1085	58.8	+24 32	9.6	G0	1100	59.0	+29 3	9.6	G0	1182	59.2	+32 18	10.4	A0	..	59.3	+ 5 2	11.4	F8
49	1175	58.8	+23 44	10.4	A2	1110	59.0	+25 5	10.4	A2	*1190*	59.2	+32 0	10.5	G0	1256	59.4	+34 2	10.0	K0
50	1176	58.8	+23 19	10.6	A0	1178	59.0	+23 52	11.1	K0	1104	59.2	+30 45	10.5	F0	..	59.4	+32 15	10.7	A3

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1936Annal..100....1C

251300

$5^h\ 59^m.4$ to $6^h\ 0^m.1$

D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1106	59.4	+30 13	10.4	Go	1082	59.5	+ 9 10	11.6	A2	..	59.7	+ 7 59	11.4	A	..	59.9	+ 9 36	11.5	K7
2	..	59.4	+28 7	11.3	K2		59.5	+ 9 10	10.7	A2	1106	59.7	+ 6 27	11.1	G5	1084	59.9	+ 9 18	9.2	Fo
3	971	59.4	+27 29	10.6	G	..	59.5	+ 8 52	11.6	K2	..	59.7	+ 6 21	11.3	K2	1178	59.9	+ 8 32	11.4	K5
4	1062	59.4	+26 32	10.3	A7	1174	59.5	+ 8 23	10.0	A2	1185	59.8	+32 45	10.8	K2	..	59.9	+ 8 26	10.2	A2
5	..	59.4	+24 57	11.8	K2	1175	59.5	+ 8 6	11.4	K5	..	59.8	+32 23	10.8	K2	*1120*	59.9	+ 8 0	10.4	G5
6	..	59.4	+24 41	11.0	G5	1105	59.5	+ 6 49	11.2	K5	1108	59.8	+30 4	10.1	Ao	*1120*	59.9	+ 8 0	10.4	A7
7	..	59.4	+24 9	11.2	A	1084	59.5	+ 5 34	10.0	F8	1108	59.8	+29 4	10.0	A2	..	59.9	+ 6 18	11.4	A
8	..	59.4	+24 5	12.2	K2	1105	59.6	+29 44	11.1	G5	974	59.8	+27 49	10.6	A2	1117	59.9	+ 4 33	10.5	F8
9	1182	59.4	+23 42	10.6	F8	1106	59.6	+29 22	9.6	G5	..	59.8	+27 31	10.9	K5	1243	0.0	+33 49	10.6	Ko
10	1184	59.4	+23 32	10.3	B9	1104	59.6	+29 13	9.8	B9	1164	59.8	+22 28	9.8	A3	1071	0.0	+26 55	10.4	Ao
11	1183	59.4	+23 1	8.8	Bo	1113	59.6	+25 10	10.4	Ao	1247	59.8	+20 36	9.8	B8	1070	0.0	+26 2	10.1	Ko
12	..	59.4	+21 55	11.4	K5	..	59.6	+24 48	11.3	Ao	..	59.8	+19 48	11.3	Ko	..	0.0	+25 3	11.8	G5
13	..	59.4	+20 43	11.3	Ao	1087	59.6	+24 9	11.0	Go	1198	59.8	+19 40	10.0	A5	..	0.0	+24 25	11.0	F5
14	1243	59.4	+20 27	10.6	K7	..	59.6	+24 6	11.7	Ao	1197	59.8	+19 15	10.2	Ko	..	0.0	+21 55	11.6	Ko
15	1244	59.4	+20 9	9.4	F2	1163	59.6	+22 38	10.5	Fo	..	59.8	+17 46	11.8	G5	..	0.0	+21 41	12.3	G5
16	1195	59.4	+19 6	10.8	G5	..	59.6	+22 26	10.7	F8	..	59.8	+17 10	11.4	F8	1113	0.0	+21 30	9.8	Ko
17	1081	59.4	+18 37	10.4	G5	1111	59.6	+21 9	11.0	G5	..	59.8	+14 24	10.7	G5	1112	0.0	+21 8	10.7	Go
18	..	59.4	+18 30	11.5	Fo	..	59.6	+20 57	11.5	Ao	..	59.8	+13 13	10.8	A2	..	0.0	+21 6	11.0	K5
19	1117	59.4	+17 41	10.6	Ao	..	59.6	+20 44	11.0	A2	1019	59.8	+11 43	9.9	K2	..	0.0	+21 1	11.2	A2
20	..	59.4	+17 25	11.2	G5	1245	59.6	+20 38	9.9	Ko	..	59.8	+10 6	11.4	F8	..	0.0	+20 55	12.2	Ko
21	990	59.4	+16 14	10.3	Ko	..	59.6	+20 15	11.0	Fo	..	59.8	+ 8 37	11.2	Ko	..	0.0	+20 33	10.6	Go
22	1052	59.4	+15 22	9.3	Fo	1084	59.6	+18 5	9.8	Ko	..	59.8	+ 8 34	10.8	A3	..	0.0	+19 59	11.2	Ao
23	995	59.4	+10 54	9.2	B9	..	59.6	+17 28	11.0	G5	1177	59.8	+ 8 27	10.0	A5	..	0.0	+19 51	11.9	A
24	..	59.4	+10 39	10.9	Ko	1055	59.6	+15 56	10.8	Fo	..	59.8	+ 8 16	11.3	F5	1199	0.0	+19 10	9.6	A2
25	1079	59.4	+ 9 1	11.8	K5	..	59.6	+12 37	10.6	Ko	..	59.8	+ 4 27	11.5	Go	994	0.0	+16 52	11.0	Fo
26	1079	59.4	+ 9 1	12.0	K5	..	59.6	+ 8 58	10.4	F8	..	59.8	+ 3 56	12.1	A	..	0.0	+14 52	11.0	F
27	1104	59.4	+ 6 58	11.2	A5	..	59.6	+ 8 30	11.6	K7	1119	59.8	+ 3 23	10.0	B5	998	0.0	+10 58	10.3	A7
28	1103	59.4	+ 6 52	10.8	Ko	..	59.6	+ 5 11	10.8	Ao	1109	59.9	+30 52	9.9	Go	999	0.0	+10 17	9.8	A3
29	1107	59.5	+30 36	10.6	G5	..	59.6	+ 4 7	11.4	G5	1110	59.9	+29 44	11.0	K5	1179	0.0	+ 8 5	11.0	Ao
30	..	59.5	+28 49	10.9	K	1183	59.7	+32 19	9.5	K2	..	59.9	+29 6	10.5	Ao		0.0	+ 8 5	11.0	A2
31	1006	59.5	+28 46	9.9	F	1194	59.7	+31 7	10.4	Go	1116	59.9	+25 22	10.7	F2	1087	0.0	+ 5 28	10.6	Go
32	1007	59.5	+28 8	11.0	Ao	1068	59.7	+26 37	10.1	A3	1115	59.9	+25 18	10.5	Ko	1242	0.1	+33 33	9.7	B9
33	972	59.5	+27 49	11.3	Ko	1067	59.7	+26 34	10.1	Go	1089	59.9	+24 59	11.0	K2	1196	0.1	+31 58	9.4	K5
34	1112	59.5	+25 53	11.0	K	1088	59.7	+24 20	11.1	F8	1165	59.9	+22 40	10.6	A2	..	0.1	+28 43	10.5	Ao
35	1111	59.5	+25 11	10.6	A2	..	59.7	+24 5	11.6	A3	..	59.9	+22 33	11.4	K2	1009	0.1	+28 26	11.1	M
36	..	59.5	+24 52	11.2	Ko	..	59.7	+21 20	10.8	A3	..	59.9	+22 9	11.2	G	..	0.1	+28 20	10.6	F5
37	..	59.5	+23 59	11.1	A2	1246	59.7	+20 56	9.9	Fo	1251	59.9	+20 53	10.0	A3	978	0.1	+27 42	9.6	F8
38	1185	59.5	+23 3	10.8	Ao	..	59.7	+20 53	10.8	Ao	1252	59.9	+20 38	10.0	Ao	1073	0.1	+26 17	10.8	A
39	..	59.5	+22 35	10.9	A7	..	59.7	+20 44	11.6	A	..	59.9	+19 23	11.4	F5	1072	0.1	+26 5	10.9	A
40	1161	59.5	+22 27	10.0	Ao	1196	59.7	+19 23	10.0	Fo	..	59.9	+19 15	11.7	K2	..	0.1	+22 31	11.4	Ko
41	1162	59.5	+22 17	9.3	A2	..	59.7	+18 50	11.5	Ao	..	59.9	+18 18	11.9	G5	..	0.1	+22 6	11.0	Ao
42	..	59.5	+22 9	11.0	A5	..	59.7	+18 33	11.8	Ko	*1120*	59.9	+18 0	10.2	A2	..	0.1	+21 50	11.2	F8
43	..	59.5	+21 53	11.4	G5	1085	59.7	+18 20	11.0	K7	1119	59.9	+17 44	10.8	G5	..	0.1	+21 9	10.8	A3
44	1082	59.5	+18 36	10.1	Fo	..	59.7	+18 16	11.0	Ao	..	59.9	+14 44	10.8	A	1253	0.1	+20 16	11.4	A3
45	1118	59.5	+17 41	10.3	Ao	..	59.7	+15 53	11.2	Go	..	59.9	+14 31	10.3	A2	1200	0.1	+19 18	10.3	A3
46	991	59.5	+16 22	11.2	K7	1056	59.7	+15 1	11.0	Ko	1011	59.9	+12 26	10.4	F5	995	0.1	+16 36	10.1	G5
47	..	59.5	+15 35	11.1	G5	1138	59.7	+14 39	10.0	K5	1020	59.9	+11 57	11.2	G5	1059	0.1	+15 14	10.0	B8
48	1017	59.5	+11 21	10.2	Go	1008	59.7	+12 39	10.2	K5	..	59.9	+11 19	10.6	A	1104	0.1	+13 27	9.4	A2
49	1018	59.5	+11 1	10.8	Ko	996	59.7	+10 36	9.7	B9	997	59.9	+10 30	9.4	A2	..	0.1	+ 7 47	10.8	Ao
50	..	59.5	+10 15	10.7	Go	..	59.7	+ 8 3	11.2	A5	1083	59.9	+ 9 38	11.4	Ko	..	0.1	+ 7 46	11.0	Ao

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

251500 **$6^h\ 0^m.1$ to $6^h\ 0^m.9$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	0.1	+ 7 15	11.4	A7	..	0.4	+24 10	12.0	K2	..	0.5	+10 48	10.8	F8	..	0.7	+17 39	11.2	Fo
2	..	0.2	+32 49	10.8	A	1190	0.4	+23 47	9.8	Ao	..	0.5	+10 8	11.8	A	1063	0.7	+15 38	10.2	B9
3	..	0.2	+28 58	11.4	A	1189	0.4	+23 18	10.4	G5	..	0.5	+ 9 30	11.4	K5	1145	0.7	+14 22	10.8	K2
4	980	0.2	+27 20	10.3	Go	1168	0.4	+22 53	9.6	Ao	..	0.5	+ 9 20	11.0	F8	1107	0.7	+13 44	10.4	Go
5	..	0.2	+23 41	11.1	A2	..	0.4	+21 43	11.6	Go	..	0.5	+ 8 52	10.3	A2	..	0.7	+13 37	10.7	B8
6	1167	0.2	+22 43	10.5	A2	1114	0.4	+21 25	9.8	Ao	..	0.5	+ 8 40	10.8	A2	1017	0.7	+12 59	9.9	F8
7	1201	0.2	+19 49	10.6	Go	..	0.4	+19 56	11.2	A3	..	0.5	+ 8 37	10.8	Ao	1016	0.7	+12 52	10.0	Go
8	..	0.2	+18 24	11.3	Go	1202	0.4	+19 36	10.2	B9	1126	0.5	+ 7 58	10.6	A5	1015	0.7	+12 14	10.6	K5
9	1086	0.2	+18 16	11.3	Mo	1088	0.4	+18 7	10.4	Go		0.5	+ 7 58	11.0	A5	1002	0.7	+10 58	10.8	G5
10	1121	0.2	+17 39	10.6	Go	1123	0.4	+17 4	11.5	K2	..	0.5	+ 7 40	10.8	Fo	..	0.7	+ 9 0	11.0	K2
11	..	0.2	+16 30	10.4	F2	..	0.4	+16 58	11.1	F8	..	0.5	+ 7 20	10.6	F8	1183	0.7	+ 8 9	10.9	G5
12	1061	0.2	+15 31	10.4	Ao	996	0.4	+16 28	11.1	K7	1088	0.5	+ 5 54	10.8	G5	1127	0.7	+ 7 17	10.6	Ao
13	..	0.2	+11 22	11.1	K5	..	0.4	+16 17	11.2	G5	1189	0.6	+32 16	10.6	K5	..	0.7	+ 7 11	11.2	Go
14	..	0.2	+10 8	11.0	A3	1142	0.4	+14 22	10.4	B8	1111	0.6	+30 14	11.1	Ko	1091	0.7	+ 5 17	10.3	Ko
15	1122	0.2	+ 7 59	11.2	F5	..	0.4	+13 1	11.4	Go	..	0.6	+28 21	10.6	B8	..	0.7	+ 3 52	11.3	F5
16	..	0.2	+ 7 56	11.2	A	1014	0.4	+12 54	9.4	F8	985	0.6	+27 59	10.4	Ao	1245	0.8	+33 48	9.8	F5
17	1124	0.2	+ 7 14	10.4	A3	1086	0.4	+ 9 55	9.4	A2	1120	0.6	+25 34	9.2	Ao	1112	0.8	+31 0	11.3	M3
18	1123	0.2	+ 7 5	10.6	Ao	..	0.4	+ 9 8	11.2	Go	1093	0.6	+24 59	10.3	A5	986	0.8	+27 34	9.8	Ko
19	1108	0.2	+ 6 56	10.2	Go	..	0.4	+ 8 36	10.6	A5	..	0.6	+24 33	11.0	A5	..	0.8	+25 49	10.6	Fo
20	..	0.2	+ 5 17	11.3	Ao	..	0.4	+ 7 49	11.3	K7	..	0.6	+24 30	12.1	K5	1096	0.8	+24 33	9.0	B3
21	1187	0.3	+32 39	10.6	K5	..	0.4	+ 7 28	11.4	Ao	1091	0.6	+24 18	9.8	A2	1095	0.8	+24 20	8.8	B8
22	..	0.3	+29 31	10.8	A7	1109	0.4	+ 6 46	11.0	F8	1094	0.6	+24 8	9.9	F2	1195	0.8	+23 56	11.2	K5
23	981	0.3	+27 55	9.6	B8	..	0.4	+ 6 36	11.4	A3	..	0.6	+23 42	10.6	A5	..	0.8	+23 44	11.6	K2
24	..	0.3	+27 37	10.9	A	..	0.4	+ 5 28	11.0	A2	1191	0.6	+23 2	10.4	F5	1193	0.8	+23 44	10.8	Ao
25	..	0.3	+24 10	11.0	A7	1119	0.4	+ 4 48	10.0	Go	1169	0.6	+22 2	11.2	Ko	1194	0.8	+23 30	10.8	F5
26	..	0.3	+23 46	11.0	A	..	0.5	+31 10	10.8	Fo	..	0.6	+21 51	11.6	G5	..	0.8	+18 52	11.3	Ao
27	..	0.3	+22 26	11.6	G5	1113	0.5	+29 34	10.5	A7	1115	0.6	+21 14	11.7	K7	1126	0.8	+17 39	10.1	Fo
28	..	0.3	+22 3	11.2	F5	1010	0.5	+28 33	10.0	A2	..	0.6	+20 36	11.2	F2	..	0.8	+17 33	11.2	Go
29	..	0.3	+20 24	10.6	A2	1011	0.5	+28 13	9.7	Go	1204	0.6	+19 23	10.1	Ao	..	0.8	+17 28	11.0	Go
30	1254	0.3	+20 19	10.6	Ao	1076	0.5	+26 43	10.2	B9	..	0.6	+18 40	11.3	G5	..	0.8	+15 7	10.9	F5
31	..	0.3	+20 8	11.0	A2	..	0.5	+26 38	11.0	A	..	0.6	+15 18	10.8	F2	1146	0.8	+14 54	10.4	Ao
32	..	0.3	+19 26	10.8	Go	1077	0.5	+26 11	10.6	A3	1062	0.6	+15 6	9.8	F2	..	0.8	+12 52	10.2	Ao
33	..	0.3	+19 21	10.6	Ao	1090	0.5	+24 28	11.0	Ko	1144	0.6	+14 26	10.8	F8	1018	0.8	+12 20	9.6	F8
34	1087	0.3	+18 35	10.8	F5	..	0.5	+22 44	11.0	A5	1001	0.6	+10 23	9.7	B8	1024	0.8	+11 25	9.8	G5
35	1122	0.3	+17 12	11.4	Ko	..	0.5	+21 48	11.0	A7	1181	0.6	+ 8 25	10.2	F8	1182	0.8	+ 8 46	10.2	Go
36	..	0.3	+15 17	10.7	F5	..	0.5	+21 20	11.3	G5	..	0.6	+ 5 41	11.2	A5	1182	0.8	+ 8 46	11.1	Ko
37	1023	0.3	+11 39	10.0	K7	..	0.5	+21 14	11.8	F	1090	0.6	+ 5 31	10.8	B9	1128	0.8	+ 7 59	12.0	K7
38	..	0.3	+11 27	10.8	Ao	..	0.5	+21 9	12.0	K2	1120	0.6	+ 4 14	10.4	F8	1113	0.8	+ 6 28	11.4	A
39	1000	0.3	+10 59	9.8	A5	1256	0.5	+20 44	9.8	Ao	..	0.7	+30 6	11.2	K5	1112	0.8	+ 6 26	10.2	B9
40	..	0.3	+ 9 28	12.0	K5	1257	0.5	+20 26	10.9	Ao	1012	0.7	+28 39	10.6	K7	..	0.8	+ 6 7	10.4	A7
41	1085	0.3	+ 9 10	10.0	Fo	1257	0.5	+20 26	10.8	F8	..	0.7	+28 12	10.2	Ao	..	0.8	+ 5 58	10.9	A
42	..	0.3	+ 9 5	10.4	F8	1089	0.5	+18 40	10.7	F8	1078	0.7	+26 50	10.8	Mo	..	0.9	+27 31	10.4	G5
43	..	0.3	+ 8 59	11.5	A	..	0.5	+18 33	11.9	Ko	..	0.7	+23 14	11.0	Ao	1080	0.9	+26 30	10.6	Ao
44	..	0.3	+ 6 38	10.8	A5	..	0.5	+18 20	10.8	A2	..	0.7	+23 8	11.4	Ao	..	0.9	+25 11	11.2	Ko
45	1118	0.3	+ 4 59	10.4	G5	1124	0.5	+17 50	10.5	Ko	..	0.7	+22 50	11.0	A2	1196	0.9	+23 28	11.0	Ko
46	1120	0.3	+ 3 35	11.8	G5	1125	0.5	+17 16	11.0	F8	..	0.7	+22 31	11.4	Ko	1197	0.9	+23 12	10.1	B2
47	..	0.4	+27 45	10.0	A2	..	0.5	+16 20	11.2	Go	..	0.7	+22 8	11.4	A5	..	0.9	+22 6	10.6	A2
48	983	0.4	+27 6	9.4	B9	1143	0.5	+14 31	10.8	G5	..	0.7	+21 54	11.6	Go	..	0.9	+21 38	11.6	A5
49	1075	0.4	+26 20	var.	Ko	1106	0.5	+13 58	11.0	Ko	1258	0.7	+20 28	11.5	K2	1262	0.9	+20 56	10.0	B9
50	1119	0.4	+25 28	10.8	A	..	0.5	+13 28	10.7	A2	1205	0.7	+19 6	9.9	Fo	1261	0.9	+20 28	10.2	A5

$+3°.0$ to $+34°.0$

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1936ApJ...83..100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	0.9	+20 5	11.0	Ao	1083	1.1	+26 18	10.8	K2	1264	1.3	+34 3	9.7	A	1177	1.4	+22 2	10.6	A7
2	1206	0.9	+19 59	10.4	A2	..	1.1	+24 39	10.6	A2	1191	1.3	+32 57	9.6	A2	..	1.4	+20 41	11.4	A3
3	1207	0.9	+19 58	10.6	K5	1098	1.1	+24 14	10.3	K2	1115	1.3	+30 42	9.6	Fo	1266	1.4	+20 8	10.6	K5
4	1064	0.9	+15 11	9.8	A3	..	1.1	+24 10	11.1	Ko	1114	1.3	+30 26	11.1	K5	..	1.4	+18 19	11.6	Ao
5	..	0.9	+13 47	10.4	Ko	1200	1.1	+23 1	9.8	B5	..	1.3	+30 17	10.8	Ao	..	1.4	+16 24	11.8	K5
6	1019	0.9	+12 54	10.3	Ao	1172	1.1	+22 26	9.8	Ko	..	1.3	+29 46	10.9	Go	1068	1.4	+15 33	10.0	Go
7	..	0.9	+ 7 37	12.2	K7	1171	1.1	+22 11	9.7	K2	1015	1.3	+28 28	9.6	F2	..	1.4	+12 50	11.0	Go
8	1129	0.9	+ 7 1	10.8	Go	..	1.1	+21 39	11.3	Ko	990	1.3	+27 25	10.9	K7	1010	1.4	+10 19	10.2	B9
9	1092	0.9	+ 5 48	10.6	F8	..	1.1	+20 56	11.4	G5	..	1.3	+26 20	10.7	A3	..	1.4	+10 13	10.2	A3
10	1093	0.9	+ 5 24	11.5	K5	1263	1.1	+20 40	9.8	Fo	..	1.3	+24 45	11.4	F2	..	1.4	+10 6	11.3	Ko
11	1113	1.0	+30 13	10.5	Ao	1212	1.1	+19 29	10.1	G5	1201	1.3	+23 32	10.6	F5	..	1.4	+ 9 53	10.9	F5
12	..	1.0	+30 2	11.2	Ao	1211	1.1	+19 23	10.4	G5	..	1.3	+23 27	11.2	G5	..	1.4	+ 9 34	11.6	Go
13	987	1.0	+27 42	10.3	B	..	1.1	+18 43	11.2	Go	..	1.3	+23 14	11.4	K2	..	1.4	+ 9 10	11.1	A2
14	1097	1.0	+24 31	10.3	A2	1094	1.1	+18 39	10.4	K2	1176	1.3	+22 34	9.9	F5	1189	1.4	+ 8 46	10.6	G5
15	..	1.0	+24 21	11.9	Ko	..	1.1	+16 50	11.0	F8	..	1.3	+22 25	11.2	A2	..	1.4	+ 8 32	11.2	Ao
16	1198	1.0	+23 33	10.2	Ao	..	1.1	+16 42	11.6	F5	..	1.3	+21 41	11.2	G5	..	1.4	+ 8 11	10.8	Ao
17	..	1.0	+22 52	11.1	Fo	1066	1.1	+15 55	10.7	A3	1264	1.3	+20 15	10.6	Ao	..	1.4	+ 7 8	11.3	Go
18	1170	1.0	+22 45	10.8	K5	1067	1.1	+15 46	9.8	A2	..	1.3	+20 13	10.6	Ao	1119	1.4	+ 6 10	11.0	G5
19	1117	1.0	+21 16	11.2	Ko	..	1.1	+13 3	10.0	F2	..	1.3	+18 3	11.4	G5	1118	1.4	+ 6 2	10.5	Go
20	..	1.0	+20 26	10.8	A2	1021	1.1	+12 13	10.2	A7	..	1.3	+17 37	11.6	A2	1123	1.4	+ 4 59	10.2	Go
21	..	1.0	+20 20	11.9	G5	..	1.1	+10 52	10.1	A2	1128	1.3	+17 31	10.3	Ao	1125	1.4	+ 3 44	11.3	A2
22	..	1.0	+20 12	9.8	A5	1006	1.1	+10 51	9.2	B8	..	1.3	+17 4	11.8	G5	1192	1.5	+32 48	10.5	A2
23	..	1.0	+19 50	11.9	K2	1007	1.1	+10 35	9.6	B8	1111	1.3	+13 41	9.8	G5	..	1.5	+32 21	11.1	F
24	1208	1.0	+19 44	10.7	Ko	..	1.1	+10 20	9.7	A3	..	1.3	+13 34	10.0	Go	1200	1.5	+31 26	11.0	F
25	1213	1.0	+19 8	9.8	A3	..	1.1	+ 9 45	11.6	A2	1112	1.3	+13 17	10.2	Ko	..	1.5	+29 3	10.8	F
26	1210	1.0	+19 2	10.0	F5	1186	1.1	+ 8 38	9.9	A3	..	1.3	+11 6	10.9	Go	..	1.5	+28 43	10.7	A
27	1214	1.0	+19 1	10.3	A7	..	1.1	+ 8 30	11.5	Ao	1009	1.3	+10 26	9.6	F2	..	1.5	+27 28	10.9	K2
28	..	1.0	+18 40	11.2	Fo	1094	1.1	+ 5 16	11.2	K2	..	1.3	+ 9 58	11.4	G5	1086	1.5	+26 26	8.8	A5
29	1093	1.0	+18 29	9.9	F8	..	1.2	+32 13	11.1	A	..	1.3	+ 9 0	11.2	Fo	..	1.5	+26 20	10.6	Ao
30	..	1.0	+17 55	12.2	F8	..	1.2	+30 16	10.8	Go	1188	1.3	+ 8 50	10.6	F5	1122	1.5	+25 50	10.8	K7
31	1127	1.0	+17 17	10.8	A2	1013	1.2	+28 57	10.9	K2	..	1.3	+ 8 40	11.2	F5	1102	1.5	+24 29	9.9	B9
32	..	1.0	+15 50	11.0	Ao	..	1.2	+27 20	10.8	G	1117	1.3	+ 6 32	10.0	A3	1103	1.5	+24 10	10.4	G5
33	1109	1.0	+13 22	9.9	A3	989	1.2	+27 17	9.9	Ao	1122	1.3	+ 4 13	10.9	F8	..	1.5	+23 32	10.8	A3
34	1020	1.0	+12 50	9.6	Fo	1084	1.2	+26 2	10.0	A3	1124	1.3	+ 3 7	10.2	Go	1119	1.5	+21 47	10.5	Go
35	1026	1.0	+11 36	10.2	K2	1121	1.2	+25 32	9.4	K2	..	1.4	+33 8	10.5	A	1118	1.5	+21 39	9.8	G5
36	1025	1.0	+11 11	10.5	Fo	1174	1.2	+22 47	9.6	A2	..	1.4	+31 47	11.0	A	..	1.5	+20 52	10.8	Ao
37	1005	1.0	+10 10	10.4	Mo	..	1.2	+22 21	11.2	A	..	1.4	+30 40	11.3	A	1269	1.5	+20 49	9.7	F8
38	..	1.0	+10 8	10.7	G5	..	1.2	+20 51	10.8	A2	1116	1.4	+30 8	10.8	Go	1268	1.5	+20 34	10.4	Go
39	1185	1.0	+ 8 52	10.5	Mo	1215	1.2	+19 3	10.5	A2	..	1.4	+28 51	10.9	A	..	1.5	+20 32	10.6	G5
40	1184	1.0	+ 8 37	10.2	G5	..	1.2	+18 50	10.6	Go	1016	1.4	+28 8	9.1	B8	..	1.5	+20 17	11.4	A3
41	1184	1.0	+ 8 37	10.6	G5	..	1.2	+17 42	11.0	Go	992	1.4	+27 57	9.4	B9	1267	1.5	+20 13	11.2	Go
42	..	1.0	+ 8 14	11.4	F8	1148	1.2	+14 28	9.6	F5	..	1.4	+27 30	10.2	Ao	..	1.5	+18 54	11.0	Ao
43	*1130*	1.0	+ 8 0	10.4	A7	..	1.2	+13 36	10.4	K5	1099	1.4	+24 58	10.8	A3	1096	1.5	+18 46	10.2	Fo
44	1114	1.0	+ 6 29	10.7	Ao	..	1.2	+12 15	11.1	A3	1101	1.4	+24 5	10.6	Ao	1097	1.5	+18 36	10.5	F2
45	..	1.0	+ 5 40	11.6	F8	1027	1.2	+11 59	10.0	A2	..	1.4	+24 0	10.8	Ao		1.5	+18 36	10.6	Go
46	1122	1.0	+ 3 55	10.8	Go	1008	1.2	+10 50	10.2	Ao	..	1.4	+23 52	11.1	A5	..	1.5	+18 11	11.6	A3
47	1199	1.1	+31 56	11.5	M	1090	1.2	+ 9 39	10.9	A3	1203	1.4	+23 45	8.7	B3	*1002*	1.5	+17 0	11.1	G5
48	1116	1.1	+29 20	11.2	K7	..	1.2	+ 9 24	11.2	Ao	..	1.4	+23 35	10.2	Ao	1003	1.5	+16 47	9.6	G
49	..	1.1	+28 25	10.9	A	..	1.2	+ 9 0	11.6	A	..	1.4	+22 37	11.9	G5	..	1.5	+16 37	10.6	Go
50	988	1.1	+27 50	10.3	Ko	1115	1.2	+ 6 59	11.6	G5	..	1.4	+22 6	10.0	Fo	1005	1.5	+16 2	10.2	G5

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1936AnHar.100....1C

251900 **$6^h\ 1^m.5$ to $6^h\ 2^m.3$**

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1113	1.5	+13 59	9.7	A3	1270	1.7	+20 12	9.7	G5	1133	1.9	+17 46	10.4	A7	..	2.1	+23 22	11.2	A
2	..	1.5	+13 38	10.5	Ao	..	1.7	+19 40	11.4	A2	1132	1.9	+17 32	9.6	A3	1211	2.1	+23 6	10.2	F5
3	1114	1.5	+13 9	10.4	F8	..	1.7	+19 37	11.6	G5	..	1.9	+17 12	11.3	Go	..	2.1	+21 57	10.0	A2
4	1023	1.5	+12 25	9.6	F8	1217	1.7	+19 19	10.4	Ao	..	1.9	+15 56	11.0	F	1126	2.1	+21 7	10.0	Ao
5	1011	1.5	+10 13	9.6	B9	..	1.7	+18 14	11.6	A5	1153	1.9	+14 23	11.2	Ko	1271	2.1	+20 40	9.6	Ao
6	..	1.5	+ 9 53	10.5	Go	1028	1.7	+11 49	10.5	K2	..	1.9	+13 49	10.9	A	..	2.1	+20 29	11.3	F5
7	1190	1.5	+ 8 29	10.7	Ko	..	1.7	+10 41	10.6	B8	..	1.9	+12 7	11.4	A	..	2.1	+18 19	11.6	K2
8	1132	1.5	+ 7 19	11.6	K2	..	1.7	+ 9 51	11.5	A3	..	1.9	+11 30	10.7	Go	1155	2.1	+14 36	10.8	A3
9	1120	1.5	+ 6 28	10.6	Go	1133	1.7	+ 7 53	9.9	F2	..	1.9	+11 20	10.8	A3	..	2.1	+12 18	11.1	A
10	..	1.5	+ 4 56	11.6	Ao	1135	1.7	+ 7 49	9.8	A7	1030	1.9	+11 6	10.1	A3	1026	2.1	+12 10	9.7	B8
11	1126	1.5	+ 3 32	11.0	Go	..	1.7	+ 7 43	11.4	Ao	1014	1.9	+10 46	10.7	G5	..	2.1	+11 38	11.1	K2
12	1201	1.6	+31 58	9.4	A3	1136	1.7	+ 7 39	10.0	Ao	..	1.9	+10 41	11.2	A	..	2.1	+10 2	10.4	Ao
13	1118	1.6	+29 9	10.6	G	1248	1.8	+33 18	10.3	A7	1012	1.9	+10 22	9.2	B5	..	2.1	+ 7 56	11.3	F8
14	1018	1.6	+28 58	9.0	A2	1119	1.8	+30 34	10.8	Ko	..	1.9	+ 9 30	10.7	A2	1139	2.1	+ 7 35	10.7	Ko
15	*1087*	1.6	+27 0	10.2	F8	1118	1.8	+30 2	11.0	Go	1192	1.9	+ 8 55	11.3	F5	..	2.1	+ 5 26	11.6	K5
16	1204	1.6	+23 29	10.4	Ko	1119	1.8	+29 4	9.4	Ao	..	1.9	+ 7 14	11.6	Ko	..	2.2	+33 27	10.3	A5
17	1178	1.6	+22 37	9.9	K5	1089	1.8	+26 40	10.4	A2	..	1.9	+ 6 43	11.7	K5	1205	2.2	+31 9	10.7	G5
18	..	1.6	+21 26	10.9	A3	..	1.8	+26 35	10.6	A	1099	1.9	+ 5 4	10.0	A2	1000	2.2	+27 49	9.6	A2
19	..	1.6	+20 48	11.6	Mo	..	1.8	+24 34	11.0	Ao	..	2.0	+32 8	10.6	Ao	..	2.2	+27 47	10.1	Mo
20	..	1.6	+20 4	11.6	Go	1106	1.8	+24 14	10.4	Ko	1198	2.0	+31 59	9.7	A7	..	2.2	+27 32	10.8	A
21	1216	1.6	+19 0	10.1	A7	1206	1.8	+23 41	9.0	Fo	1204	2.0	+31 50	10.9	K5	..	2.2	+27 9	9.4	A2
22	1131	1.6	+17 44	10.8	A2	1181	1.8	+22 59	11.0	F8	995	2.0	+27 34	10.5	A5	1092	2.2	+26 34	10.2	B8
23	1130	1.6	+17 35	10.8	Fo	..	1.8	+22 37	10.8	Fo	1090	2.0	+26 31	10.2	K2	1112	2.2	+24 36	9.8	Ao
24	1006	1.6	+16 11	10.9	K2	1122	1.8	+21 57	10.0	Ao	1091	2.0	+26 13	11.0	K2	..	2.2	+24 29	10.8	A
25	..	1.6	+15 41	11.4	F8	1121	1.8	+21 36	9.6	B8	..	2.0	+24 38	11.0	Ao	..	2.2	+24 20	11.0	Ao
26	1115	1.6	+13 54	9.8	K2	1218	1.8	+19 43	9.8	Fo	1108	2.0	+24 11	11.6	K7	1213	2.2	+23 56	9.8	B8
27	1117	1.6	+13 32	9.4	B3	..	1.8	+18 19	11.2	Go	1124	2.0	+21 38	9.8	Go		2.2	+23 56	9.3	B9
28	..	1.6	+11 0	10.8	Ao	1007	1.8	+16 27	10.2	Ao	..	2.0	+21 13	11.8	A3	1212	2.2	+23 32	10.5	K7
29	..	1.6	+10 55	10.6	A	..	1.8	+16 3	11.0	G	..	2.0	+20 48	11.0	F8	..	2.2	+22 46	10.4	B8
30	1091	1.6	+ 9 5	9.3	F5	1151	1.8	+14 49	10.4	K7	..	2.0	+20 1	11.8	Ao	..	2.2	+22 31	11.6	G5
31	..	1.6	+ 8 46	10.8	A2	1029	1.8	+11 30	9.8	B9	1134	2.0	+17 40	10.6	Go	1184	2.2	+22 7	9.8	G5
32	..	1.6	+ 8 14	11.7	A5	1093	1.8	+ 9 30	9.8	Go	1031	2.0	+11 38	10.4	F8	..	2.2	+21 11	11.6	F5
33	..	1.6	+ 8 11	11.8	A	1191	1.8	+ 8 22	9.8	Fo	1095	2.0	+ 9 59	10.4	G5	1219	2.2	+19 28	10.8	A2
34	..	1.6	+ 7 58	11.2	A2	..	1.8	+ 8 9	11.2	A5	..	2.0	+ 8 3	11.3	A3	..	2.2	+18 53	11.5	F2
35	..	1.6	+ 7 19	12.0	G	1137	1.8	+ 7 43	11.3	K5	..	2.0	+ 6 48	11.6	Fo	..	2.2	+18 21	11.7	G5
36	1122	1.6	+ 6 1	10.8	A2	1098	1.8	+ 5 46	9.7	Fo	..	2.0	+ 5 32	12.0	F5	*1009*	2.2	+17 0	10.7	G5
37	..	1.6	+ 5 33	10.7	Ao	1097	1.8	+ 5 1	10.2	F8	..	2.0	+ 5 0	11.1	Go	1008	2.2	+16 40	11.0	Go
38	1096	1.6	+ 5 2	10.2	G5	1124	1.8	+ 4 7	10.6	Go	1126	2.0	+ 4 30	10.8	F5	1070	2.2	+15 52	11.4	Ko
39	1202	1.7	+31 3	11.1	K5	1249	1.9	+33 32	10.6	A2	1195	2.1	+32 9	11.1	K7	..	2.2	+15 33	10.9	B9
40	1117	1.7	+30 32	9.8	A5	1120	1.9	+30 36	9.7	Ko	..	2.1	+30 24	10.6	A3	1156	2.2	+14 55	11.4	A
41	1019	1.7	+28 15	10.2	Go	..	1.9	+24 50	10.6	A2	*1021*	2.1	+29 0	10.0	Ko	1118	2.2	+13 54	9.2	A3
42	..	1.7	+25 50	10.8	F5	1107	1.9	+24 37	10.1	Ao	997	2.1	+27 20	10.6	K2	1027	2.2	+12 24	9.8	G5
43	1123	1.7	+25 38	10.6	A5	1207	1.9	+23 31	10.0	F5	998	2.1	+27 20	10.0	Go	1033	2.2	+11 1	10.1	F8
44	1105	1.7	+24 12	9.0	Ao	1123	1.9	+21 19	10.1	G5	999	2.1	+27 20	10.6		..	2.2	+10 15	10.0	Fo
45	..	1.7	+23 20	10.8	A7	..	1.9	+20 17	11.5	Ao	..	2.1	+26 19	10.7	Go	..	2.2	+ 9 10	10.4	Ao
46	1205	1.7	+23 17	9.4	A2	..	1.9	+19 53	10.9	F8	1110	2.1	+24 59	10.4	F2	1194	2.2	+ 8 3	10.8	F2
47	..	1.7	+23 12	11.0	A5	..	1.9	+19 35	11.4	Ao	..	2.1	+24 17	10.9	F2	..	2.2	+ 6 34	11.4	A7
48	*1179*	1.7	+23 0	10.9	A3	..	1.9	+19 5	11.0	A5	..	2.1	+24 11	9.8	Ao	..	2.2	+ 5 42	12.2	K5
49	..	1.7	+21 37	11.6	Go	1099	1.9	+18 35	10.0	A2	..	2.1	+24 5	11.0	Ao	..	2.2	+ 4 27	11.2	Ao
50	..	1.7	+20 31	11.6	G5	..	1.9	+17 57	12.0	F8	1210	2.1	+23 28	9.0	A7	1121	2.3	+29 2	9.5	A7

$+3°.0$ to $+34°.0$

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1936Annal.100....1C

252100 $6^h\ 2^m.3$ to $6^h\ 3.^m0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1001	2.3	+27 10	9.2	Go	1097	2.5	+26 32	10.3	Fo	1118	2.7	+24 12	9.8	A	1038	2.8	+11 25	9.6	Go
2	1094	2.3	+26 30	9.2	Ao	1096	2.5	+26 6	10.4	G5	1119	2.7	+24 7	10.0	Ao	..	2.8	+ 9 47	11.3	G5
3	1129	2.3	+25 12	9.6	A	1116	2.5	+24 28	9.8	Ao	..	2.7	+23 33	10.8	A7	..	2.8	+ 4 43	11.0	F8
4	..	2.3	+25 6	10.5	A	..	2.5	+23 50	9.8	A5	1220	2.7	+23 30	10.2	Ao	..	2.8	+ 4 28	11.2	F5
5	..	2.3	+24 28	11.0	A	1188	2.5	+22 29	9.6	Go	1218	2.7	+23 24	10.9	A5	1197	2.9	+32 26	10.9	F8
6	..	2.3	+23 36	10.7	A2	..	2.5	+21 21	11.8	A2		2.7	+21 6	11.2	G5	1210	2.9	+31 46	10.6	A3
7	..	2.3	+23 29	9.8	Fo	1128	2.5	+21 9	11.4	A3	1275	2.7	+20 28	10.3	Fo	1209	2.9	+31 33	10.8	F5
8	1214	2.3	+23 6	9.5	Ao	..	2.5	+21 4	11.7	Ko	1276	2.7	+20 26	10.3	K7	1128	2.9	+30 5	10.9	K5
9	1215	2.3	+23 1	9.4	Fo	..	2.5	+20 46	10.8	F8	1224	2.7	+19 56	10.1	A3	..	2.9	+24 48	11.4	Ao
10	..	2.3	+21 4	11.6	A	1274	2.5	+20 12	10.8	Go	..	2.7	+19 43	11.6	G	1124	2.9	+24 17	9.9	K5
11	1272	2.3	+20 48	11.2	Ao	1273	2.5	+20 10	10.6	Ko	..	2.7	+19 7	11.7	Go	..	2.9	+24 3	10.6	A5
12	..	2.3	+20 42	11.4	G5	..	2.5	+18 59	11.6	G5	1103	2.7	+18 26	11.5	K7	1189	2.9	+22 10	10.0	A2
13	..	2.3	+19 48	11.3	G5	1102	2.5	+18 54	10.6	B9	..	2.7	+14 35	11.0	F	1130	2.9	+21 38	10.6	Ko
14	..	2.3	+18 58	11.6	F8	..	2.5	+18 33	11.5	A5	1120	2.7	+13 59	9.2	B1	1277	2.9	+20 34	11.0	F8
15	1096	2.3	+ 9 31	10.4	Ao	..	2.5	+18 20	11.7	F8	..	2.7	+13 54	9.8	A	1225	2.9	+19 5	9.8	A5
16	..	2.3	+ 9 17	11.3	Ao	1158	2.5	+14 12	9.6	B5	1122	2.7	+13 8	9.5	F8	..	2.9	+13 58	9.0	B5
17	1097	2.3	+ 9 15	10.5	K2	..	2.5	+12 7	11.0	G5	..	2.7	+11 20	10.2	A7	1125	2.9	+13 3	9.6	Go
18	1195	2.3	+ 8 32	10.6	F2	..	2.5	+ 7 43	11.2	G5	..	2.7	+10 39	11.0	Fo	1031	2.9	+12 36	10.1	Ko
19	..	2.3	+ 6 32	11.2	A2	..	2.5	+ 7 11	11.2	F8	1101	2.7	+ 9 54	10.6	Go	..	2.9	+12 0	11.7	Ko
20	1126	2.3	+ 6 15	10.0	A3	1127	2.5	+ 6 43	10.4	Fo	..	2.7	+ 8 31	10.6	Fo	..	2.9	+ 9 41	11.8	A2
21	*1130*	2.3	+ 4 0	11.4	K7	..	2.5	+ 5 30	11.4	Ko	1144	2.7	+ 7 44	10.1	F8	1102	2.9	+ 9 5	11.4	B3
22	1129	2.3	+ 3 36	11.4	Fo	1254	2.6	+33 45	9.2	A2	1143	2.7	+ 7 32	10.0	A2	..	2.9	+ 9 2	11.3	Go
23	..	2.4	+32 34	10.9	A	1252	2.6	+33 33	9.5	A2	1128	2.7	+ 6 58	11.0	A7	..	2.9	+ 8 55	11.7	Ko
24	1124	2.4	+30 48	10.8	A3	1124	2.6	+29 14	10.2	F2	..	2.7	+ 6 36	11.6	G	..	2.9	+ 6 51	11.2	Ko
25	1002	2.4	+27 26	10.4	Ko	1003	2.6	+27 41	9.8	A2	..	2.7	+ 6 18	10.9	Ao	1103	2.9	+ 5 24	10.3	Ko
26	1114	2.4	+24 21	9.3	Go	1117	2.6	+24 25	10.0	Ao	1255	2.8	+33 19	10.8	K5	..	2.9	+ 4 39	11.2	A
27	..	2.4	+23 52	10.8	F2	1129	2.6	+21 52	10.6	A3	..	2.8	+30 33	11.2	Ko	..	2.9	+ 4 36	11.3	A
28	1217	2.4	+23 42	10.6	K2	..	2.6	+21 21	12.1	K5	1127	2.8	+30 3	10.2	M1	..	2.9	+ 3 5	11.1	F8
29	*1186*	2.4	+23 0	9.0	B3	..	2.6	+21 15	11.8	Go	1125	2.8	+29 34	9.6	Ko	..	3.0	+30 39	10.9	B9
30	..	2.4	+21 47	10.2	A2	..	2.6	+20 28	11.3	Ao	1024	2.8	+28 46	9.6	Ko	..	3.0	+30 30	11.0	K2
31	..	2.4	+20 48	11.0	B9	1222	2.6	+19 11	9.8	F2	..	2.8	+27 28	10.9	A	1129	3.0	+30 18	10.3	F2
32	1220	2.4	+19 33	10.3	Fo	1137	2.6	+17 6	10.6	Go	..	2.8	+27 22	11.0	A	..	3.0	+29 3	11.0	A
33	1135	2.4	+17 52	9.4	A2	1010	2.6	+16 8	9.8	F2	1100	2.8	+26 42	10.4	Fo	1004	3.0	+27 57	10.8	Go
34	..	2.4	+16 55	11.4	A	1072	2.6	+15 45	9.5	B8	1099	2.8	+26 28	10.2	Ko	1005	3.0	+27 21	9.7	A5
35	1071	2.4	+15 48	10.9	Go	1159	2.6	+14 8	10.1	F8	..	2.8	+25 16	11.3	A	1134	3.0	+25 12	11.0	K5
36	..	2.4	+14 36	10.7	A5	..	2.6	+13 16	10.8	G5	..	2.8	+24 13	10.3	A	1135	3.0	+25 0	10.1	A
37	1029	2.4	+12 36	10.6	A7	1030	2.6	+12 46	10.7	F5	1122	2.8	+24 6	10.0	Ao	..	3.0	+24 51	11.0	Ao
38	1035	2.4	+11 39	10.4	F2	1018	2.6	+10 31	10.8	Go	..	2.8	+23 36	10.8	A2	..	3.0	+24 39	10.8	A2
39	1016	2.4	+10 30	9.8	B5	1100	2.6	+ 9 17	9.5	A2	..	2.8	+23 10	11.2	F5	..	3.0	+24 30	10.8	A
40	1017	2.4	+10 0	9.9	Go	..	2.6	+ 7 44	11.1	Go	..	2.8	+23 7	11.3	K5	..	3.0	+24 13	10.4	A
41	1098	2.4	+ 9 57	9.8	F2	1142	2.6	+ 7 2	11.2	K5	..	2.8	+19 31	11.1	F5	1222	3.0	+23 58	9.4	Ao
42	1099	2.4	+ 9 26	10.1	A2	..	2.6	+ 6 33	11.4	Ao	1138	2.8	+17 51	10.6	F8	..	3.0	+23 36	11.4	A2
43	..	2.4	+ 8 39	11.2	F8	1253	2.7	+33 22	10.8	K2	1012	2.8	+16 44	10.7	Ao	..	3.0	+22 55	10.9	A3
44	..	2.4	+ 7 51	11.9	K5	1126	2.7	+30 32	9.1	B8	1075	2.8	+15 49	9.4	A3	1190	3.0	+22 26	10.6	A3
45	..	2.4	+ 7 19	10.7	F2	..	2.7	+24 59	12.2	K7	..	2.8	+15 43	10.6	Go	1191	3.0	+22 5	9.8	G5
46	1140	2.4	+ 7 11	10.4	Ao	..	2.7	+24 37	10.3	A2	1074	2.8	+15 0	10.8	Go	..	3.0	+21 33	11.4	Ao
47	1100	2.4	+ 5 54	10.8	F8	1121	2.7	+24 31	9.9	K2	1163	2.8	+14 40	10.0	Go	..	3.0	+20 48	11.6	G5
48	1127	2.4	+ 4 7	10.9	G5	..	2.7	+24 26	10.3	B9	1123	2.8	+13 57	8.8	B3	1226	3.0	+19 53	11.0	K7
49	1125	2.5	+30 15	10.6	Go	1120	2.7	+24 26	9.0	A	1121	2.8	+13 44	9.0	B5	1227	3.0	+19 40	10.4	F2
50	..	2.5	+27 21	11.0	A	..	2.7	+24 13	10.0	A	1037	2.8	+11 30	10.3	G5	..	3.0	+19 35	10.6	A2

$+3°.0$ to $+34°.0$

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252300 — $6^h\ 3^m.0$ to $6^h\ 3^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	3.0	+19 31	11.3	A	1200	3.2	+32 13	10.8	Ko	1103	3.4	+26 25	10.6	A	..	3.5	+ 3 54	11.5	A5
2	1140	3.0	+17 15	10.4	Go	*1136*	3.2	+26 0	11.0	F8	1105	3.4	+26 22	10.9	K7	1137	3.5	+ 3 35	11.7	G5
3	..	3.0	+12 6	10.9	Ao	1125	3.2	+24 26	10.0	A	1132	3.4	+24 45	10.8	Go	1138	3.5	+ 3 28	9.7	Go
4	*1039*	3.0	+12 0	10.8	Ko	..	3.2	+23 36	11.0	Ao	1130	3.4	+24 23	9.8	A	1213	3.6	+31 38	10.2	F2
5	..	3.0	+11 34	10.2	A5	..	3.2	+21 24	10.8	A5	1131	3.4	+24 16	8.8	Ao	1029	3.6	+28 38	10.4	Ko
6	1019	3.0	+10 44	11.0	Ko	..	3.2	+21 22	10.8	A3	1197	3.4	+22 38	10.0	Go	1106	3.6	+26 58	10.4	A2
7	..	3.0	+10 16	10.9	Ao	1231	3.2	+19 41	10.0	Ao	1196	3.4	+22 27	10.0	G5	..	3.6	+24 32	11.0	G5
8	..	3.0	+ 8 24	11.3	Go	1104	3.2	+18 37	10.7	A5	1132	3.4	+21 55	10.4	Ko	..	3.6	+24 20	10.2	A
9	..	3.0	+ 6 2	11.0	F5	1014	3.2	+16 1	10.6	F	1281	3.4	+20 54	9.6	B8	..	3.6	+24 14	10.4	A
10	..	3.0	+ 5 52	11.4	F8	..	3.2	+15 16	10.4	Ao	..	3.4	+20 12	11.0	Ao	..	3.6	+24 14	10.8	A
11	..	3.0	+ 4 40	10.6	Ko	1041	3.2	+11 46	10.3	F5	1233	3.4	+19 11	10.0	A2	..	3.6	+24 11	10.5	A
12	..	3.0	+ 4 27	11.3	A	..	3.2	+11 23	11.4	A	..	3.4	+18 44	11.4	F8	..	3.6	+22 9	11.2	G5
13	1199	3.1	+32 8	10.0	Ao	1105	3.2	+ 9 29	11.8	K5	..	3.4	+18 20	11.8	Go	..	3.6	+21 34	10.9	Fo
14	1126	3.1	+29 8	9.7	Ko	1106	3.2	+ 9 22	10.2	Ko	1128	3.4	+13 56	10.1	B9	1282	3.6	+20 54	9.8	Ao
15	1025	3.1	+28 40	9.6	A2	..	3.2	+ 8 29	11.4	Fo	1129	3.4	+13 33	10.6	A7	1283	3.6	+20 6	10.5	G5
16	..	3.1	+24 41	11.0	Ao	..	3.2	+ 7 44	11.5	A3	1042	3.4	+11 30	9.8	B8	..	3.6	+20 4	10.6	Ko
17	..	3.1	+24 41	10.8	Ao	..	3.2	+ 6 32	11.0	Ao	..	3.4	+ 9 34	11.1	Go	..	3.6	+19 56	11.5	F5
18	..	3.1	+24 23	10.2	A	1133	3.2	+ 4 2	10.8	F8	1108	3.4	+ 9 3	10.2	Go	1015	3.6	+16 42	10.7	Ko
19	..	3.1	+24 21	9.4	A	1026	3.3	+28 41	9.5	K7	..	3.4	+ 8 29	11.7	A5	..	3.6	+13 47	10.3	A2
20	..	3.1	+24 14	10.4	A	1027	3.3	+28 23	9.9	Ko	..	3.4	+ 6 55	11.6	Go	1045	3.6	+11 28	9.6	A5
21	1223	3.1	+23 54	8.9	B3	1102	3.3	+26 12	11.0	K5	..	3.4	+ 6 44	11.4	Go	..	3.6	+ 9 46	10.8	A5
22	..	3.1	+23 12	10.6	Go	..	3.3	+25 42	10.8	F5	..	3.4	+ 6 14	11.8	G	..	3.6	+ 9 41	10.9	A7
23	1193	3.1	+22 34	9.7	Go	1129	3.3	+24 19	9.3	Ao	..	3.4	+ 5 43	11.0	F5	..	3.6	+ 8 16	12.0	G
24	..	3.1	+21 40	11.4	Ao	1195	3.3	+22 46	10.7	G5	1108	3.4	+ 5 18	11.9	K7	1149	3.6	+ 7 4	10.2	Ao
25	1278	3.1	+20 39	10.8	B3	..	3.3	+22 11	10.8	Ao	1131	3.5	+30 52	11.0	Ko	1215	3.7	+31 1	10.6	F2
26	..	3.1	+20 30	11.6	Go	1194	3.3	+22 9	10.4	Fo	1137	3.5	+25 4	10.8	A7	..	3.7	+30 51	10.9	Go
27	..	3.1	+20 22	10.0	Ao	..	3.3	+21 59	10.6	Ao	..	3.5	+24 21	10.7	A	1131	3.7	+29 23	9.6	G5
28	..	3.1	+20 10	10.9	Go	..	3.3	+21 52	11.8	G5	1225	3.5	+23 53	9.9	Ao	..	3.7	+26 17	11.1	A
29	1229	3.1	+19 31	10.2	B9	1131	3.3	+21 34	9.4	A2	1224	3.5	+23 51	10.2	B5	1134	3.7	+24 57	10.0	Ao
30	1230	3.1	+19 12	10.1	G5	..	3.3	+21 10	10.9	A3	..	3.5	+22 18	10.2	A2	1136	3.7	+24 22	9.5	Ao
31	1141	3.1	+17 32	10.6	F5	1280	3.3	+20 54	9.8	F5	..	3.5	+21 34	10.4	Fo	..	3.7	+22 20	11.0	A7
32	1013	3.1	+16 44	10.9	G5	1279	3.3	+20 28	10.3	B9	1133	3.5	+21 24	10.9	Ko	1135	3.7	+21 50	9.7	A5
33	1078	3.1	+15 13	10.8	Go	1232	3.3	+19 47	9.8	Go	1134	3.5	+21 20	9.5	Fo	..	3.7	+21 34	11.0	K2
34	1127	3.1	+13 24	10.1	Fo	1105	3.3	+18 46	10.9	A3	..	3.5	+19 49	10.4	B8	..	3.7	+19 51	11.3	Go
35	1033	3.1	+12 31	9.6	Ao	..	3.3	+18 31	10.7	F2	..	3.5	+18 32	11.0	F5	..	3.7	+19 49	11.6	K5
36	1032	3.1	+12 17	9.4	A5	1106	3.3	+18 13	10.1	Go	1142	3.5	+17 12	10.5	Ao	1107	3.7	+18 42	10.7	A2
37	..	3.1	+ 9 27	11.0	A7	1080	3.3	+15 19	10.2	F8	1167	3.5	+14 52	10.6	F8	1016	3.7	+16 59	10.2	F8
38	1104	3.1	+ 9 2	10.8	A2	1165	3.3	+14 28	10.4	B9	..	3.5	+14 29	10.8	F5	1132	3.7	+13 8	10.6	K5
39	1200	3.1	+ 8 56	10.3	Go	1166	3.3	+14 10	9.4	B8	1130	3.5	+13 52	9.6	B8	..	3.7	+11 43	11.0	F8
40	..	3.1	+ 8 21	10.4	A2	1035	3.3	+12 29	9.6	K2	1043	3.5	+11 25	10.0	A3	1021	3.7	+10 45	9.6	A7
41	..	3.1	+ 6 6	11.3	A3	..	3.3	+10 42	11.2	A2	..	3.5	+11 17	11.2	G5	..	3.7	+ 9 46	10.4	A5
42	1130	3.1	+ 6 3	10.6	F8	1020	3.3	+10 27	9.8	A3	..	3.5	+10 51	10.4	A3	..	3.7	+ 8 50	11.2	A3
43	1104	3.1	+ 5 23	10.6	A7	..	3.3	+10 1	11.0	A3	..	3.5	+ 9 34	11.4	A7	1205	3.7	+ 8 37	11.4	F8
44	1132	3.1	+ 3 58	11.0	A3	1146	3.3	+ 7 49	11.3	G5	..	3.5	+ 8 51	11.3	G5	1206	3.7	+ 8 34	10.0	Ko
45	1134	3.1	+ 3 10	10.6	F8	..	3.3	+ 6 48	11.3	A5	1203	3.5	+ 8 36	10.0	A7	..	3.7	+ 7 50	11.6	Ao
46	1277	3.2	+34 3	9.4	A2	..	3.3	+ 6 26	11.0	B9	..	3.5	+ 8 30	10.6	Go	1131	3.7	+ 6 16	12.0	K7
47	..	3.2	+33 29	10.8	Ko	..	3.3	+ 5 8	11.3	Ao	..	3.5	+ 8 3	11.2	Go	1134	3.7	+ 6 8	10.5	A5
48	..	3.2	+33 17	10.8	A	1201	3.4	+32 55	9.4	B9	..	3.5	+ 7 43	11.7	F5	1135	3.7	+ 4 0	10.8	G5
49	1257	3.2	+33 7	9.4	Go	1129	3.4	+29 15	10.6	G5	1109	3.5	+ 5 7	10.8	Go	1202	3.8	+32 32	9.9	B9
50	1258	3.2	+33 7	9.2	A3	1104	3.4	+26 31	10.4	Go	1134	3.5	+ 4 50	10.4	F8	..	3.8	+27 38	10.5	Go

$+3°.0$ to $+34°.0$

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$6^h\ 3^m.8$ to $6^h\ 4^m.5$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1107	3.8	+26 45	10.3	A5	1136	4.0	+30 20	9.7	K2	1137	4.1	+ 4 47	10.5	Ko	1137	4.3	+13 7	10.2	A5
2	1137	3.8	+24 44	10.7	G	..	4.0	+27 24	10.7	B8	..	4.1	+ 3 36	10.8	Go	1040	4.3	+12 2	10.0	F8
3	..	3.8	+24 23	10.4	A	1008	4.0	+27 3	10.4	F2	1206	4.2	+32 47	10.8	M	1041	4.3	+12 1	10.7	K5
4	..	3.8	+24 16	9.2	B9	1111	4.0	+26 31	9.8	Ko	1207	4.2	+32 31	10.0	Ao	1047	4.3	+11 24	9.1	G5
5	1199	3.8	+22 59	11.6	K7	..	4.0	+24 11	12.0	Ao	1221	4.2	+31 21	9.3	Ao	1110	4.3	+ 9 36	10.0	A2
6	..	3.8	+22 43	11.2	A7	..	4.0	+22 59	11.2	Ko	1031	4.2	+28 38	9.2	A5	..	4.3	+ 8 12	11.1	Ko
7	..	3.8	+22 3	11.4	Ao	..	4.0	+22 34	10.8	B8	..	4.2	+28 9	11.0	A	1209	4.3	+ 8 7	10.0	F8
8	..	3.8	+21 43	11.0	K5	1289	4.0	+20 40	10.3	B9	1141	4.2	+24 26	10.5	Ao	1152	4.3	+ 7 59	10.7	F8
9	..	3.8	+20 50	10.8	A2	1288	4.0	+20 33	10.6	Fo	..	4.2	+24 24	10.3	Ao	..	4.3	+ 7 49	11.6	F2
10	1285	3.8	+20 6	9.8	Ao	..	4.0	+20 0	11.0	A2	..	4.2	+24 9	11.0	Ao	..	4.3	+ 6 49	11.4	Go
11	1017	3.8	+16 54	10.8	F8	1019	4.0	+16 31	9.4	Go	..	4.2	+24 3	10.8	Ao	..	4.3	+ 4 58	11.8	K5
12	..	3.8	+13 10	11.0	K7	1020	4.0	+16 26	9.6	B8	..	4.2	+23 49	11.0	A	1140	4.3	+ 4 20	10.6	A3
13	1037	3.8	+12 10	10.6	Go	1038	4.0	+12 7	9.5	A2	1228	4.2	+23 35	10.8	F5	1139	4.3	+ 4 11	10.2	Ko
14	..	3.8	+ 7 52	11.0	A2	1023	4.0	+10 5	10.2	A3	..	4.2	+23 27	11.0	F8	1143	4.3	+ 3 36	11.0	Fo
15	1112	3.8	+ 5 50	10.3	Ko		4.0	+10 5	10.2	A2	..	4.2	+22 14	12.1	A5	1267	4.4	+33 3	10.6	Go
16	1110	3.8	+ 5 33	10.8	G5	1109	4.0	+ 9 49	10.0	Ko	1138	4.2	+21 33	10.3	Go	..	4.4	+31 20	10.8	Fo
17	1111	3.8	+ 5 5	10.4	G5	..	4.0	+ 9 13	12.0	K5	..	4.2	+20 39	10.6	Fo	1135	4.4	+29 56	10.6	K2
18	..	3.8	+ 4 25	11.2	G	..	4.0	+ 9 2	11.4	F8	1238	4.2	+19 40	10.2	Go	1009	4.4	+27 30	10.7	A7
19	1282	3.9	+34 2	9.4	A2	..	4.0	+ 8 46	11.2	Go	1239	4.2	+19 32	10.6	K2	1231	4.4	+23 48	10.6	G5
20	1218	3.9	+31 53	10.6	Ao	..	4.0	+ 7 0	11.9	Mo	..	4.2	+19 21	11.8	Go	..	4.4	+22 10	11.1	A3
21	1217	3.9	+31 26	9.8	F2	1113	4.0	+ 5 18	11.9	G5	..	4.2	+18 48	11.0	Go	1140	4.4	+21 59	10.4	F8
22	..	3.9	+31 23	11.0	Ko	1136	4.0	+ 4 47	10.6	G5	..	4.2	+18 4	11.0	A3	..	4.4	+21 58	12.3	K7
23	1135	3.9	+30 41	10.7	A	1141	4.0	+ 3 11	11.1	Go	..	4.2	+15 4	11.2	A5	1139	4.4	+21 42	9.8	Ko
24	1109	3.9	+26 37	10.7	G5	..	4.1	+33 37	10.3	A3	1169	4.2	+14 27	10.2	B5	..	4.4	+21 25	10.9	F8
25	1110	3.9	+26 27	10.0	K2	..	4.1	+32 58	10.8	A	1039	4.2	+12 49	11.0	G5	..	4.4	+20 47	11.3	Ao
26	1108	3.9	+26 10	10.4	A2	1204	4.1	+32 39	10.7	Ko	1046	4.2	+11 58	10.8	A5	..	4.4	+18 54	11.0	A5
27	1139	3.9	+24 56	10.9	A2	..	4.1	+31 41	10.4	Fo	1208	4.2	+ 8 1	10.8	Go	..	4.4	+18 37	12.2	K
28	..	3.9	+24 25	11.0	A	1219	4.1	+31 33	10.1	G5	1153	4.2	+ 7 10	10.3	Fo	..	4.4	+15 57	11.0	F8
29	1227	3.9	+23 55	9.7	B9	..	4.1	+31 16	11.0	Go	..	4.2	+ 7 4	11.6	Ao	1172	4.4	+14 16	9.4	F2
30	..	3.9	+23 27	11.3	A3	1032	4.1	+28 15	10.7	G	..	4.2	+ 6 3	11.2	A	1171	4.4	+14 5	8.8	B3
31	1200	3.9	+22 40	10.0	B8	1112	4.1	+26 55	10.4	Ao	1115	4.2	+ 5 47	10.6	Fo	..	4.4	+13 47	10.3	Go
32	..	3.9	+22 31	10.9	B9	1113	4.1	+26 23	9.4	Ao	1138	4.2	+ 4 17	10.2	F8	..	4.4	+13 9	10.2	B5
33	..	3.9	+21 42	11.4	Ko	1142	4.1	+25 31	10.8	K5	..	4.2	+ 4 5	11.4	A3	1042	4.4	+12 54	9.7	A2
34	1136	3.9	+21 1	10.7	G5	1139	4.1	+25 4	10.0	A3	1134	4.3	+29 41	9.8	A5	1025	4.4	+10 53	10.6	Ko
35	1287	3.9	+20 39	9.8	B2	1140	4.1	+24 53	9.8	Fo	1033	4.3	+28 4	10.8	K5	1026	4.4	+10 11	9.9	A3
36	1286	3.9	+20 0	10.1	B9	..	4.1	+24 19	10.0	Ao	*1114*	4.3	+27 0	10.3	Fo	1024	4.4	+10 2	10.8	K5
37	1236	3.9	+19 7	10.7	Ko	..	4.1	+24 18	10.7	F8	1115	4.3	+26 15	10.4	A5	..	4.4	+ 9 31	11.8	G5
38	1108	3.9	+18 23	11.2	Go	..	4.1	+22 57	11.0	A	..	4.3	+24 12	11.0	Ao	..	4.4	+ 8 0	11.7	G
39	..	3.9	+18 23	11.0	Ko	1201	4.1	+22 2	10.6	A3	..	4.3	+24 10	10.8	Ao	1154	4.4	+ 7 4	10.2	Go
40	1082	3.9	+15 59	10.8	Ao	..	4.1	+21 32	11.2	A5	1142	4.3	+24 7	10.5	Ao	1138	4.4	+ 6 13	11.4	A
41	..	3.9	+14 22	11.0	A2	..	4.1	+19 57	12.0	F	..	4.3	+24 2	11.2	Ko	1139	4.4	+ 6 6	11.0	Go
42	..	3.9	+13 28	10.8	Ao	..	4.1	+18 44	11.8	Ko	1230	4.3	+23 6	9.1	A2	..	4.4	+ 5 33	11.6	G
43	..	3.9	+11 25	11.0	Go	1146	4.1	+17 37	10.3	Go	1203	4.3	+22 20	9.9	A3	..	4.4	+ 5 33	11.6	F5
44	1022	3.9	+10 24	9.9	A3	..	4.1	+16 25	11.1	A3	..	4.3	+22 10	11.0	A5	1118	4.4	+ 5 6	11.8	Go
45	..	3.9	+ 9 55	11.0	A2	..	4.1	+14 27	11.2	A	..	4.3	+21 22	11.6	K2	1209	4.5	+32 19	11.1	K7
46	..	3.9	+ 6 18	10.4	F8	1134	4.1	+13 30	10.3	G5	1148	4.3	+17 48	9.8	A3	1034	4.5	+28 8	11.0	K2
47	1262	4.0	+33 13	9.5	K2	..	4.1	+11 46	11.0	Go	..	4.3	+17 21	11.0	Go	1011	4.5	+27 56	9.8	A7
48	1203	4.0	+32 48	10.5	F8	..	4.1	+ 9 12	11.6	A	..	4.3	+17 18	11.1	A5	1010	4.5	+27 18	10.7	Ko
49	..	4.0	+32 15	10.8	Ao	..	4.1	+ 9 7	11.4	Ao	..	4.3	+16 57	11.0	Go	..	4.5	+26 51	10.7	A
50	1205	4.0	+32 9	10.6	Ao	1137	4.1	+ 6 43	10.9	A2	1085	4.3	+15 15	9.9	Ao	1144	4.5	+24 58	10.6	A5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	4.5	+24 22	11.3	A	1212	4.7	+32 39	9.9	Fo	1142	4.9	+30 43	8.8	Go	1051	5.0	+11 18	9.3	A3
2	..	4.5	+24 9	12.2	K2	1222	4.7	+31 10	9.9	A7	1137	4.9	+29 5	11.0	G	..	5.0	+ 9 21	11.2	Ao
3	..	4.5	+23 38	11.0	A3	1140	4.7	+30 52	10.8	A7	1118	4.9	+26 25	9.9	Ao	1118	5.0	+ 9 20	10.7	Ko
4	..	4.5	+22 49	10.6	Ao	1144	4.7	+25 37	10.0	Ao	1148	4.9	+25 36	10.8	K5	..	5.0	+ 9 13	11.0	A3
5	1204	4.5	+22 36	11.0	F5	..	4.7	+25 33	10.9	A	1146	4.9	+25 24	10.2	A2	..	5.0	+ 7 45	11.9	A
6	..	4.5	+22 19	11.6	A5	1146	4.7	+24 30	10.1	Fo	..	4.9	+24 47	10.8	A2	..	5.0	+ 6 34	10.9	A7
7	..	4.5	+21 58	11.2	G5	1233	4.7	+23 11	11.8	A	..	4.9	+24 21	11.2	K2	1142	5.0	+ 6 27	10.1	Fo
8	..	4.5	+21 20	9.9	A7	1206	4.7	+22 23	9.6	G5	..	4.9	+23 4	11.2	G5	1150	5.0	+ 4 53	10.6	Ao
9	..	4.5	+20 47	10.8	A3	..	4.7	+21 3	12.1	K2	..	4.9	+22 43	11.0	Ao	..	5.0	+ 4 47	10.8	F8
10	1290	4.5	+20 32	11.0	Ko	..	4.7	+21 0	11.7	Go	..	4.9	+22 43	11.4	K	..	5.0	+ 3 31	11.4	Ao
11	1241	4.5	+19 33	10.4	Ao	1291	4.7	+20 52	10.4	F8	..	4.9	+21 15	11.6	Ko	..	5.1	+30 8	10.9	A
12	..	4.5	+18 15	10.8	Go	..	4.7	+19 39	11.0	F8	1293	4.9	+20 38	9.5	B5	..	5.1	+28 39	11.7	A
13	..	4.5	+17 48	11.1	A2	..	4.7	+14 55	10.8	B8	..	4.9	+19 59	11.2	A3	1037	5.1	+28 19	10.3	F2
14	..	4.5	+17 29	11.1	A2	1174	4.7	+14 39	10.9	G5	..	4.9	+16 41	11.3	Go	..	5.1	+23 34	11.2	K2
15	1086	4.5	+15 4	10.6	Go	..	4.7	+14 31	11.0	A	1025	4.9	+16 35	10.8	A2	..	5.1	+23 6	11.0	Ao
16	..	4.5	+14 58	11.0	G5	*1140*	4.7	+14 0	10.5	G5	..	4.9	+16 13	11.2	G	1209	5.1	+22 39	9.8	K2
17	1173	4.5	+14 47	11.0	Mo	1142	4.7	+13 17	10.5	F5	..	4.9	+13 27	10.8	Ao	1297	5.1	+20 13	9.6	Go
18	1138	4.5	+13 4	9.5	A5	1048	4.7	+11 34	10.1	F5	1045	4.9	+12 12	11.2	G5	1298	5.1	+20 8	10.6	G5
19	..	4.5	+11 27	11.0	A	..	4.7	+10 33	10.7	Ko	1050	4.9	+11 39	10.3	K5	1299	5.1	+20 6	11.0	Fo
20	1113	4.5	+ 9 59	10.0	Ko	..	4.7	+ 9 26	11.8	A	..	4.9	+ 9 43	11.4	F8	1152	5.1	+17 43	11.0	Ko
21	1212	4.5	+ 8 22	10.0	F5	1156	4.7	+ 7 46	10.6	A3	..	4.9	+ 8 57	11.2	F5	1027	5.1	+16 10	11.0	A7
22	..	4.5	+ 8 7	11.5	G5	1157	4.7	+ 7 18	9.8	A2	1159	4.9	+ 7 4	10.2	A2	1146	5.1	+13 53	10.0	A3
23	..	4.5	+ 7 43	11.6	A5	1140	4.7	+ 6 10	10.8	F8	..	4.9	+ 6 58	11.7	F2	1053	5.1	+11 52	10.2	B9
24	..	4.5	+ 7 1	11.4	F5	..	4.7	+ 3 2	11.0	F2	..	4.9	+ 6 49	11.1	Ao	..	5.1	+11 44	11.6	A
25	..	4.5	+ 5 44	11.0	A2	1269	4.8	+33 8	10.8	A5	..	4.9	+ 5 29	11.4	Ao	1030	5.1	+10 0	9.7	B8
26	1119	4.5	+ 5 19	9.8	Go	1136	4.8	+29 56	9.9	A5	..	4.9	+ 5 26	11.5	K5	1215	5.1	+ 8 37	10.3	K5
27	..	4.5	+ 4 56	12.2	A5	1035	4.8	+28 59	10.3	Go	..	4.9	+ 4 6	12.1	Ao	..	5.1	+ 7 50	11.8	A5
28	..	4.5	+ 4 36	10.9	A5	1145	4.8	+25 50	10.0	F8	1148	4.9	+ 4 1	10.8	Ao	1143	5.1	+ 6 34	10.8	F5
29	..	4.5	+ 4 25	11.2	G	..	4.8	+24 7	11.8	K7	..	5.0	+34 4	10.8	K5	..	5.1	+ 5 42	11.6	Go
30	..	4.5	+ 3 35	11.4	Go	1235	4.8	+23 55	11.2	Ko	1143	5.0	+30 8	10.6	G5	..	5.1	+ 4 40	12.1	Ko
31	1210	4.6	+32 30	10.7	Ko	1207	4.8	+22 44	11.0	K5	1150	5.0	+25 32	10.0	F8	..	5.1	+ 3 52	12.2	G5
32	..	4.6	+25 22	11.0	A	..	4.8	+21 46	11.3	K2	1149	5.0	+25 4	11.2	K7	1271	5.2	+33 4	9.9	G5
33	1145	4.6	+24 22	9.9	A3	..	4.8	+21 38	11.2	Ko	..	5.0	+24 24	10.5	Go	1215	5.2	+32 52	10.6	Ko
34	..	4.6	+22 31	10.6	Ao	..	4.8	+21 17	10.7	G5	1149	5.0	+24 13	9.3	A5	1214	5.2	+32 44	11.0	K5
35	1205	4.6	+22 31	10.4	B9	..	4.8	+21 12	11.4	Fo	..	5.0	+22 51	10.7	Ao	1213	5.2	+32 34	10.3	Go
36	1141	4.6	+21 32	10.4	Ko	1292	4.8	+20 26	11.8	K5	1208	5.0	+22 25	10.1	A2	1119	5.2	+26 40	10.4	Fo
37	..	4.6	+21 10	11.3	A5	..	4.8	+18 44	11.3	A	1142	5.0	+21 25	9.8	A5	1150	5.2	+24 33	10.9	G5
38	..	4.6	+20 38	11.6	K5	..	4.8	+17 53	11.2	A3	1295	5.0	+20 58	9.9	F2	..	5.2	+24 24	10.4	A2
39	1242	4.6	+19 33	10.3	A7	..	4.8	+17 30	11.0	G5	1244	5.0	+19 2	11.0	G5	.	5.2	+24 22	10.5	Fo
40	..	4.6	+18 28	11.1	Fo	..	4.8	+16 28	10.9	Ao	1026	5.0	+16 52	10.3	Ko	..	5.2	+24 11	11.8	K5
41	1150	4.6	+17 28	10.6	A2	..	4.8	+15 39	11.4	A	..	5.0	+15 44	11.7	Ko	..	5.2	+24 0	11.2	G5
42	1088	4.6	+15 50	9.2	B8	..	4.8	+10 53	11.1	G	1091	5.0	+15 36	10.4	B8	1210	5.2	+22 44	9.9	A2
43	1089	4.6	+15 46	9.8	G5	1029	4.8	+10 28	10.4	G5	1176	5.0	+14 50	10.8	F8	..	5.2	+22 36	11.3	Ao
44	..	4.6	+14 44	11.0	F8	..	4.8	+10 18	11.0	A2	1177	5.0	+14 10	9.6	B9	..	5.2	+21 49	9.9	Go
45	1141	4.6	+13 13	10.0	F5	1116	4.8	+ 9 10	10.5	A2	..	5.0	+13 11	10.5	G	1300	5.2	+20 24	10.0	G5
46	..	4.6	+11 52	11.4	F5	..	4.8	+ 6 32	12.0	G5	1145	5.0	+13 5	11.0	F5	..	5.2	+20 2	11.2	Go
47	1214	4.6	+ 8 37	10.3	K7	1211	4.8	+ 5 37	11.4	F8	1046	5.0	+12 6	9.5	A2	..	5.2	+19 44	11.3	Fo
48	..	4.6	+ 8 16	11.0	F5	1145	4.8	+ 4 53	11.6	G5	..	5.0	+11 58	10.5	Go	1245	5.2	+19 25	10.0	B9
49	1143	4.6	+ 4 58	10.9	G5	..	4.8	+ 4 37	11.7	A5	..	5.0	+11 52	11.0	A	1247	5.2	+19 15	9.8	Ko
50	1144	4.6	+ 4 19	10.8	Go	1146	4.8	+ 4 0	10.4	K5	1052	5.0	+11 22	11.8	Ko	1246	5.2	+19 7	10.4	K2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1114	5.2	+18 54	10.4	Fo	1028	5.4	+16 48	11.6	K	1249	5.6	+19 44	9.6	B5	..	5.8	+16 38	11.2	G5
2	..	5.2	+18 34	11.8	A2	1030	5.4	+16 38	10.7	A2	1119	5.6	+18 30	10.2	F5	1181	5.8	+14 32	9.6	B5
3	1113	5.2	+18 27	10.2	Ao	1029	5.4	+16 17	11.2	K7	1098	5.6	+15 2	10.6	F8	..	5.8	+14 22	10.8	A5
4	1115	5.2	+18 13	8.7	Ao	..	5.4	+15 29	10.5	G5	1179	5.6	+14 45	10.9	G5	..	5.8	+12 52	10.5	Go
5	1093	5.2	+15 44	10.4	B9	..	5.4	+15 26	11.0	A	..	5.6	+13 51	11.1	F8	..	5.8	+12 20	11.0	A
6	1092	5.2	+15 29	10.6	B8	1148	5.4	+13 9	10.2	B	1149	5.6	+13 15	9.6	Ao	1034	5.8	+10 54	9.8	F2
7	1047	5.2	+12 14	10.4	F2	1048	5.4	+12 45	10.6	F8	..	5.6	+12 15	11.0	G	1122	5.8	+ 9 38	10.1	B
8	..	5.2	+11 13	11.2	A2	..	5.4	+ 9 0	10.4	Ao	..	5.6	+ 9 7	11.4	A		5.8	+ 9 38	10.0	Go
9	..	5.2	+ 9 18	11.2	Ao	1162	5.4	+ 7 21	10.0	A2	..	5.6	+ 8 22	11.2	A2	..	5.8	+ 9 19	10.8	Ao
10	1119	5.2	+ 9 10	10.8	G5	1165	5.4	+ 7 10	10.9	F8	..	5.6	+ 6 49	11.6	F8	..	5.8	+ 9 17	10.6	F5
11	..	5.2	+ 8 3	11.4	A2	1146	5.4	+ 6 47	9.9	A2	1148	5.6	+ 6 18	11.2	K7	1222	5.8	+ 8 52	11.2	K5
12	1161	5.2	+ 7 7	9.7	F2	1124	5.4	+ 5 26	12.2	K7	..	5.6	+ 5 57	11.2	A3	1169	5.8	+ 7 51	9.7	Fo
13	1144	5.2	+ 6 38	11.4	K7	1146	5.5	+30 52	10.6	Fo	..	5.6	+ 3 24	11.0	Go	..	5.8	+ 7 38	11.5	A
14	..	5.2	+ 6 13	11.0	A7	1123	5.5	+26 27	9.6	K5	1015	5.7	+27 12	10.8	Ao	..	5.8	+ 7 35	11.2	A
15	..	5.2	+ 5 31	12.0	A5	1124	5.5	+26 17	9.9	A3	..	5.7	+24 36	10.9	A3	1168	5.8	+ 7 6	10.9	Fo
16	1144	5.3	+30 6	10.6	Ko	1125	5.5	+26 1	10.0	K2	1152	5.7	+24 1	11.1	K5	1150	5.8	+ 6 45	10.5	A2
17	1152	5.3	+25 13	9.5	Ao	..	5.5	+25 33	10.3	A3	1240	5.7	+23 4	10.8	K7	1149	5.8	+ 3 42	10.4	F8
18	..	5.3	+24 3	11.0	A	1238	5.5	+23 3	10.8	A3	1241	5.7	+23 2	10.8	Ko	1273	5.9	+33 14	10.2	A3
19	..	5.3	+23 57	11.6	Ko	..	5.5	+22 58	11.0	A7	..	5.7	+22 41	11.9	Ao	1219	5.9	+32 25	9.5	B9
20	1211	5.3	+22 26	9.8	A2	..	5.5	+22 10	12.0	K7	..	5.7	+22 34	11.2	F8	..	5.9	+31 4	10.8	A
21	1212	5.3	+22 4	10.5	F5	..	5.5	+21 16	11.1	F8	1145	5.7	+21 40	10.2	B2	1016	5.9	+27 52	10.8	K7
22	..	5.3	+21 59	11.6	K5	..	5.5	+20 24	10.8	Ao	1120	5.7	+18 46	10.4	A3	1154	5.9	+24 54	10.0	A5
23	..	5.3	+21 18	11.9	K7	..	5.5	+18 34	10.4	A5	1099	5.7	+15 48	10.0	A3	..	5.9	+24 42	10.4	Ao
24	1301	5.3	+20 35	9.2	Ko	..	5.5	+15 40	10.0	B9	1101	5.7	+15 38	10.8	A2	1218	5.9	+22 4	11.6	K5
25	..	5.3	+18 33	11.0	A5	1096	5.5	+15 38	10.1	A	1150	5.7	+13 37	11.0	F5	..	5.9	+21 48	11.0	G5
26	..	5.3	+16 48	11.4	A	..	5.5	+15 35	11.2	G	1052	5.7	+12 47	10.5	B9	1147	5.9	+21 14	10.3	G5
27	1178	5.3	+14 28	9.9	Ko	..	5.5	+15 0	11.0	G	..	5.7	+10 17	11.4	A	..	5.9	+20 35	11.0	F5
28	..	5.3	+12 1	11.0	Ao	1051	5.5	+12 23	10.1	K2	1033	5.7	+10 2	9.7	A2	..	5.9	+20 28	10.8	F2
29	..	5.3	+11 3	10.9	A2	1050	5.5	+12 11	10.3	A3	..	5.7	+ 9 57	10.3	A	1155	5.9	+17 25	9.8	F8
30	1031	5.3	+10 6	10.4	A7	..	5.5	+ 8 52	11.5	A	1121	5.7	+ 9 40	9.5	A3	1102	5.9	+15 19	10.0	Ko
31	..	5.3	+ 6 58	10.8	Ao	1218	5.5	+ 8 27	9.8	B8	..	5.7	+ 9 24	11.4	G5	1100	5.9	+15 6	10.2	G5
32	..	5.3	+ 6 40	11.2	Ao	..	5.5	+ 8 18	11.5	G5	1220	5.7	+ 8 55	10.9	Fo	1184	5.9	+14 40	10.2	A2
33	1145	5.3	+ 6 26	9.4	B9	1166	5.5	+ 7 20	11.2	Ko	1219	5.7	+ 8 35	10.5	F2	1183	5.9	+14 22	9.4	F5
34	..	5.3	+ 6 0	11.8	A5	1147	5.5	+ 6 23	9.6	Ao	1149	5.7	+ 6 26	11.0	K5	1182	5.9	+14 16	9.6	B5
35	1123	5.3	+ 5 48	11.0	F8	..	5.6	+31 48	10.9	A	..	5.7	+ 5 28	11.5	K5	1152	5.9	+13 41	10.8	A5
36	1122	5.3	+ 5 29	11.1	K2	..	5.6	+30 17	10.7	A	1148	5.7	+ 3 21	10.9	Ko	1153	5.9	+13 17	10.7	K5
37	..	5.3	+ 4 9	10.9	Go	1139	5.6	+29 58	10.8	Ko	1272	5.8	+33 23	11.1	K5	..	5.9	+11 58	10.6	A3
38	1145	5.4	+30 44	10.8	Ko	1014	5.6	+27 57	10.4	F8	1218	5.8	+32 9	10.1	G5	..	5.9	+11 8	11.2	A
39	..	5.4	+30 36	10.7	A	..	5.6	+27 36	10.4	Ao	1147	5.8	+30 18	9.8	B8	..	5.9	+ 9 5	10.8	Ao
40	1120	5.4	+26 29	9.0	B8	1126	5.6	+26 28	9.6	A3	..	5.8	+28 17	10.6	Fo	1223	5.9	+ 8 47	10.8	Ko
41	1121	5.4	+26 8	10.5	Ao	..	5.6	+26 1	10.3	A	1128	5.8	+26 10	10.5	Ao	..	5.9	+ 6 43	11.4	A
42	..	5.4	+23 51	11.5	Ao	1155	5.6	+25 10	9.8	F8	1153	5.8	+24 45	9.6	Ko	..	5.9	+ 5 17	11.4	Ao
43	..	5.4	+23 28	11.6	G	1156	5.6	+25 6	10.0	Go	1242	5.8	+23 28	9.9	Ko	..	5.9	+ 5 12	11.8	Go
44	1236	5.4	+23 15	10.6	B9	1239	5.6	+23 42	10.6	A2	1216	5.8	+22 44	10.0	F8	1152	5.9	+ 4 42	11.8	K5
45	1237	5.4	+23 2	9.8	B8	..	5.6	+22 43	11.9	K5	1217	5.8	+22 39	9.5	Fo	..	5.9	+ 4 26	10.5	F8
46	1144	5.4	+21 10	9.8	A2	..	5.6	+22 29	10.8	G5	..	5.8	+20 56	11.0	A3	..	5.9	+ 3 40	10.3	Go
47	..	5.4	+20 19	10.4	A5	1214	5.6	+22 4	11.0	F8	..	5.8	+20 53	11.2	Ao	..	5.9	+ 3 11	10.6	K5
48	*1248*	5.4	+20 0	10.9	G5	1303	5.6	+20 24	10.6	K2	..	5.8	+20 12	11.8	A3	..	6.0	+33 46	11.0	A
49	1117	5.4	+18 56	10.6	B8	1304	5.6	+20 13	10.7	A2	1305	5.8	+20 10	9.4	B8	1142	6.0	+29 42	10.1	Fo
50	1116	5.4	+18 46	10.5	A5	1250	5.6	+19 59	10.6	Ko	..	5.8	+19 57	10.8	A3	1017	6.0	+27 30	11.1	K5

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1155	6.0	+24 54	11.0	K2	..	6.2	+33 48	11.4	K5	..	6.3	+ 7 54	11.4	A3	..	6.5	+15 13	10.8	A0
2	..	6.0	+23 32	var.	B5	1245	6.2	+23 53	10.4	B8	1175	6.3	+ 7 11	10.2	A0	..	6.5	+14 57	10.4	F2
3	..	6.0	+23 10	10.4	F8	..	6.2	+22 27	10.6	A5	1152	6.3	+ 6 19	10.8	K0	..	6.5	+12 43	11.6	K0
4	..	6.0	+22 50	11.4	A0	..	6.2	+20 41	11.0	F0	1153	6.3	+ 6 8	11.5	K0	..	6.5	+12 33	11.0	A2
5	..	6.0	+22 50	11.7	G5	1307	6.2	+20 31	9.8	F8	1126	6.3	+ 5 54	10.9	G0	1040	6.5	+10 30	10.2	A0
6	1148	6.0	+21 40	11.2	G5	..	6.2	+19 35	10.7	A0	1156	6.3	+ 4 17	10.6	G5	1041	6.5	+10 10	11.0	F2
7	1306	6.0	+20 20	9.9	B9	..	6.2	+18 57	11.5	G0	1292	6.4	+34 7	10.7	K7	..	6.5	+ 9 26	10.9	F8
8	..	6.0	+19 57	10.9	A0	1122	6.2	+18 53	10.5	G0	1018	6.4	+27 42	11.1	K7	..	6.5	+ 9 20	10.8	A0
9	1157	6.0	+17 51	10.8	G5	..	6.2	+18 48	10.5	A3	1159	6.4	+24 57	9.8	K0	..	6.5	+ 8 19	11.0	A2
10	1032	6.0	+16 54	10.6	G0	..	6.2	+18 37	11.4	G0	..	6.4	+23 6	10.9	A0	..	6.5	+ 7 19	10.3	A0
11	..	6.0	+15 30	10.8	A3	..	6.2	+18 16	11.6	F8	1150	6.4	+21 57	10.6	G5	..	6.5	+ 5 31	11.8	A2
12	1154	6.0	+13 51	10.0	A2	1160	6.2	+17 43	10.4	A3	..	6.4	+21 39	10.7	A3	..	6.5	+ 5 27	11.7	F8
13	1155	6.0	+13 34	9.9	A7	1033	6.2	+16 50	10.0	B9	..	6.4	+20 46	11.6	G0	..	6.5	+ 4 42	11.4	A0
14	1054	6.0	+12 12	10.6	A5	..	6.2	+14 52	11.2	K0	1309	6.4	+20 7	9.4	B0	1157	6.5	+ 4 29	10.4	A2
15	1053	6.0	+12 1	10.4	G0	1156	6.2	+13 8	9.8	B9	..	6.4	+20 2	10.6	A0	1155	6.5	+ 3 40	10.0	G5
16	..	6.0	+11 56	10.6	G0	1056	6.2	+12 2	10.2	G0	..	6.4	+18 58	12.0	F5	1156	6.5	+ 3 9	9.9	K0
17	..	6.0	+11 48	10.9	K0	1038	6.2	+10 48	10.6	F5	..	6.4	+18 54	12.2	K7	1146	6.6	+29 45	9.8	G0
18	1035	6.0	+10 50	10.2	B9	..	6.2	+10 31	11.0	F8	..	6.4	+18 49	11.1	A7	..	6.6	+24 56	12.2	K7
19	1036	6.0	+10 29	11.0	G	1171	6.2	+ 7 38	10.1	B9	..	6.4	+18 38	11.7	K5	1160	6.6	+24 16	11.2	K7
20	..	6.0	+ 9 1	11.0	A0	..	6.2	+ 7 19	10.2	A0	..	6.4	+17 54	12.3	K5	..	6.6	+23 47	11.2	F2
21	..	6.0	+ 6 59	11.1	G5	..	6.2	+ 5 10	11.4	G0	1036	6.4	+16 34	11.0	G0	1224	6.6	+22 1	9.7	G0
22	1150	6.1	+30 33	9.0	A3	1155	6.2	+ 4 55	11.6	G5	..	6.4	+15 56	11.6	A0	1151	6.6	+21 44	9.9	F0
23	1149	6.1	+30 21	9.4	F0	1041	6.3	+28 2	11.0	K5	..	6.4	+13 47	11.2	F8	1311	6.6	+20 46	10.1	G5
24	1144	6.1	+29 56	10.2	G0	..	6.3	+24 58	11.2	K0	1039	6.4	+10 9	11.4	K7	..	6.6	+20 18	11.7	G5
25	1143	6.1	+29 7	10.2	A	1157	6.3	+24 58	11.1	K0	1127	6.4	+ 9 30	11.3	F2	..	6.6	+18 44	11.8	A5
26	1040	6.1	+28 45	10.5	A2	1158	6.3	+24 30	10.6	G5	..	6.4	+ 7 12	10.4	G0	..	6.6	+18 15	12.0	K2
27	1158	6.1	+25 16	9.5	F8	..	6.3	+23 57	12.1	K0	..	6.4	+ 5 55	10.8	G5	1163	6.6	+17 56	10.5	G0
28	1156	6.1	+24 44	10.6	K5	..	6.3	+22 53	12.0	K7	1127	6.4	+ 5 28	10.4	F2	..	6.6	+17 43	11.6	A7
29	..	6.1	+23 6	10.6	F0	..	6.3	+22 10	10.6	G0	..	6.4	+ 3 42	11.0	G5	1164	6.6	+17 28	10.4	G5
30	..	6.1	+22 55	10.2	A2	1149	6.3	+21 58	9.6	B3	1153	6.4	+ 3 22	10.7	F8	1106	6.6	+15 14	10.6	G0
31	..	6.1	+22 46	11.3	G0	..	6.3	+21 55	10.7	G5	..	6.4	+ 3 15	11.4	K2	1190	6.6	+14 41	10.4	B9
32	..	6.1	+22 43	11.2	A2	..	6.3	+20 52	10.6	F2	1230	6.5	+31 40	11.0	K7	1189	6.6	+14 3	10.2	B8
33	..	6.1	+22 14	11.3	G0	1308	6.3	+20 46	10.7	K0	1229	6.5	+31 8	9.8	A7	1159	6.6	+13 41	9.6	B5
34	1219	6.1	+22 12	10.8	K0	..	6.3	+20 31	11.6	K0	1043	6.5	+28 11	10.6	A0	1059	6.6	+12 36	9.9	B8
35	1252	6.1	+19 48	9.8	G0	..	6.3	+20 26	11.2	A7	1133	6.5	+26 48	10.5	K0	1060	6.6	+12 0	9.4	F0
36	1251	6.1	+19 14	11.0	K5	..	6.3	+20 15	11.7	A2	..	6.5	+22 55	9.6	B3	..	6.6	+10 28	10.9	A0
37	..	6.1	+19 2	11.9	G0	1255	6.3	+19 28	10.2	G5	1222	6.5	+22 29	9.6	A3	1042	6.6	+10 26	11.0	K7
38	1121	6.1	+18 22	10.0	F5	..	6.3	+18 6	11.2	A3	1223	6.5	+22 22	9.6	A2	1128	6.6	+ 9 50	10.6	A2
39	1185	6.1	+14 6	9.9	F8	1034	6.3	+16 38	10.6	K2	..	6.5	+21 36	10.4	F0	1129	6.6	+ 9 29	10.2	A0
40	..	6.1	+12 30	10.2	B8	..	6.3	+15 45	11.6	K5	..	6.5	+21 32	10.8	G5	..	6.6	+ 8 55	11.2	K5
41	1055	6.1	+11 45	10.3	K0	1188	6.3	+14 57	11.1	G5	..	6.5	+21 23	10.7	A5	..	6.6	+ 8 25	11.4	G5
42	..	6.1	+11 23	10.8	F0	1186	6.3	+14 36	10.8	F5	1310	6.5	+20 50	10.8	K0	..	6.6	+ 8 4	10.6	A2
43	..	6.1	+11 16	11.7	A	..	6.3	+13 41	11.1	B9	..	6.5	+20 26	10.7	A3	..	6.6	+ 7 22	11.0	K2
44	..	6.1	+11 10	10.9	A5	1057	6.3	+12 11	11.2	A	..	6.5	+19 30	11.0	A5	..	6.6	+ 7 10	10.4	A3
45	1037	6.1	+10 42	10.6	G5	1057	6.3	+11 34	9.8	F8	..	6.5	+19 18	10.8	A2	..	6.6	+ 6 35	11.7	A
46	1125	6.1	+ 9 22	10.0	A0	..	6.3	+11 31	10.2	A	..	6.5	+18 38	11.6	F8	..	6.6	+ 6 22	12.0	K0
47	..	6.1	+ 7 1	10.8	B8	1056	6.3	+11 10	11.0	A	1123	6.5	+18 3	10.0	B2	..	6.6	+ 5 14	11.4	K5
48	..	6.1	+ 5 42	11.8	A0	1058	6.3	+11 3	10.4	B8	1162	6.5	+17 41	10.2	A5	1158	6.6	+ 4 15	10.1	A7
49	..	6.1	+ 5 17	11.3	K0	..	6.3	+11 1	11.0	B8	..	6.5	+16 8	11.3	F5	..	6.6	+ 4 5	11.4	G5
50	1154	6.1	+ 4 27	11.1	K	..	6.3	+ 8 27	11.4	A	1105	6.5	+15 37	10.0	B5	1246	6.7	+23 46	11.0	F0

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253300 — $6^h\ 6^m.7$ to $6^h\ 7^m.5$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1247	6.7	+23 4	9.6	Ko	..	6.9	+ 9 7	10.4	Ao	..	7.1	+ 7 36	11.1	Ao	..	7.3	+ 9 17	10.8	Ao
2	..	6.7	+22 49	10.8	F8	..	6.9	+ 8 57	11.2	K2	..	7.1	+ 7 19	10.6	A3	1227	7.3	+ 8 29	11.0	Ko
3	1225	6.7	+22 1	10.4	Go	..	6.9	+ 6 35	10.9	Ao	..	7.1	+ 7 5	10.7	A2	..	7.3	+ 6 48	11.4	K5
4	1152	6.7	+21 21	10.7	Ko	..	6.9	+ 5 18	11.3	Go	1159	7.1	+ 3 38	11.0	F2	1132	7.3	+ 5 48	11.8	G5
5	..	6.7	+20 43	11.6	G5	1161	6.9	+ 4 58	11.1	A2	1158	7.1	+ 3 8	11.8	K7	1160	7.3	+ 3 14	10.2	Go
6	..	6.7	+19 41	11.0	Go	1162	6.9	+ 4 47	10.8	G5	1223	7.2	+32 32	9.6	Ao	..	7.4	+33 50	11.2	A3
7	..	6.7	+18 17	11.7	K5	..	6.9	+ 4 46	10.7	Fo	1224	7.2	+32 15	10.8	Ao	1225	7.4	+32 14	10.8	A7
8	1165	6.7	+17 49	11.8	A3	1277	7.0	+33 14	10.8	Ao	1234	7.2	+31 33	10.1	Go	1049	7.4	+28 28	10.3	F5
9	1191	6.7	+14 50	10.0	F5	1222	7.0	+32 34	9.2	Ao	..	7.2	+28 45	10.8	A	1165	7.4	+25 52	10.4	Ao
10	1043	6.7	+10 14	10.2	Ao	1045	7.0	+28 48	10.0	F8	1137	7.2	+26 20	10.4	B9	1252	7.4	+23 9	9.7	A3
11	1225	6.7	+ 8 58	10.7	Ko	1135	7.0	+26 34	10.8	K5	..	7.2	+24 42	11.0	A5	1253	7.4	+23 0	9.7	Ko
12	..	6.7	+ 6 43	11.1	A7	1162	7.0	+25 6	10.4	A3	..	7.2	+21 42	11.6	G5	..	7.4	+22 44	11.1	A5
13	..	6.7	+ 6 40	11.4	A7	1250	7.0	+23 53	9.6	B5	..	7.2	+21 31	10.9	F5	1227	7.4	+22 32	9.8	Ao
14	1156	6.7	+ 6 22	10.2	Go	..	7.0	+23 15	11.0	Fo	..	7.2	+20 50	11.3	F8	..	7.4	+22 10	10.9	F2
15	..	6.7	+ 6 11	11.4	G5	..	7.0	+22 50	10.3	Ao	..	7.2	+20 41	10.9	A2	1260	7.4	+19 46	9.8	G5
16	1159	6.7	+ 4 55	10.5	F2	..	7.0	+20 42	11.8	Ko	1314	7.2	+20 32	10.0	F2	1127	7.4	+18 53	10.0	A3
17	1160	6.7	+ 4 7	10.8	G5	..	7.0	+20 20	11.0	A2	1313	7.2	+20 26	9.4	Fo	..	7.4	+18 15	11.5	G5
18	1293	6.8	+34 0	9.6	Ao	..	7.0	+19 5	11.2	Ao	..	7.2	+20 3	11.6	A5	..	7.4	+16 49	11.0	A2
19	1153	6.8	+30 43	10.2	Fo	1168	7.0	+17 28	11.2	Go	1257	7.2	+19 11	10.2	G5	1111	7.4	+15 55	10.4	A7
20	1020	6.8	+27 59	10.7	F2	..	7.0	+17 14	11.2	Ao	1170	7.2	+17 4	10.4	K2	1112	7.4	+15 42	11.0	K5
21	1248	6.8	+23 38	10.8	Fo	..	7.0	+12 53	11.7	A	1039	7.2	+16 25	11.1	G	..	7.4	+14 39	11.0	A3
22	..	6.8	+23 22	11.4	A	..	7.0	+11 16	10.4	A3	1164	7.2	+13 10	9.7	G5	..	7.4	+13 2	11.4	A
23	..	6.8	+23 6	10.8	B8	1061	7.0	+11 5	9.6	B9	..	7.2	+12 51	10.8	A5	1067	7.4	+11 10	10.0	F2
24	..	6.8	+22 1	10.9	A3	..	7.0	+10 41	10.6	G5	1065	7.2	+11 11	10.0	A7	1066	7.4	+11 9	10.6	Mo
25	..	6.8	+21 16	10.2	Ao	1047	7.0	+10 30	10.4	G5	1132	7.2	+ 9 28	10.2	Ao	..	7.4	+10 49	10.2	A2
26	..	6.8	+18 17	12.0	A3	1182	7.0	+ 7 58	10.8	K2	..	7.2	+ 8 25	11.3	A2	1133	7.4	+ 9 9	10.2	Ko
27	1124	6.8	+18 1	10.8	Go	1183	7.0	+ 7 34	11.0	Ao	..	7.2	+ 7 48	11.8	K5	..	7.4	+ 7 38	11.0	G
28	1167	6.8	+17 32	10.1	B9	1181	7.0	+ 7 21	9.8	F8	..	7.2	+ 7 36	11.0	F5	1184	7.4	+ 7 29	10.8	Ko
29	1166	6.8	+17 11	10.8	A2	..	7.0	+ 6 50	11.4	K	..	7.2	+ 7 15	11.6	K5	..	7.4	+ 6 50	11.7	K
30	1037	6.8	+16 40	11.0	G5	..	7.0	+ 6 37	11.4	A	..	7.2	+ 7 9	11.0	Go	1158	7.4	+ 6 48	11.0	F
31	1160	6.8	+13 27	10.7	B8	1165	7.0	+ 4 44	11.0	K2	1131	7.2	+ 5 30	10.8	K5	..	7.4	+ 6 41	11.5	A
32	..	6.8	+13 12	11.4	A7	1164	7.0	+ 4 33	10.4	Ao	..	7.2	+ 4 28	11.2	F8	1159	7.4	+ 6 18	9.9	Ao
33	..	6.8	+12 40	10.8	F	1157	7.0	+ 3 16	10.3	A2	1235	7.3	+31 23	9.8	A5	1134	7.4	+ 5 56	10.8	Go
34	1179	6.8	+ 7 56	11.2	G5	1278	7.1	+33 13	11.0	Mo	1048	7.3	+28 23	9.8	F5	1133	7.4	+ 5 29	10.4	A3
35	..	6.8	+ 6 27	11.8	A5	*1046*	7.1	+29 0	10.7	A	1138	7.3	+26 58	10.8	K5	*1166*	7.4	+ 5 0	11.8	K5
36	..	6.8	+ 5 30	10.8	Go	1022	7.1	+27 19	9.8	A2	1139	7.3	+26 30	10.5	K5	1161	7.4	+ 3 44	10.3	A3
37	..	6.8	+ 4 4	10.4	Ao	..	7.1	+23 30	11.4	Ao	..	7.3	+23 4	11.0	A2	..	7.5	+34 27	10.8	A7
38	1021	6.9	+27 40	10.4	F	..	7.1	+22 26	10.8	A2	..	7.3	+19 49	11.2	A5	..	7.5	+33 4	10.8	K5
39	1162	6.9	+24 4	10.6	B3	1156	7.1	+21 56	10.1	Go	..	7.3	+19 39	11.4	A2	..	7.5	+32 49	10.9	A
40	1249	6.9	+23 35	11.0	Ko	1155	7.1	+21 14	11.0	K2	1258	7.3	+19 28	9.3	A2	1154	7.5	+30 55	10.6	A2
41	..	6.9	+23 14	11.5	Fo	1125	7.1	+18 4	10.9	Ko	..	7.3	+19 18	11.1	A2	1166	7.5	+25 14	9.8	A2
42	..	6.9	+22 35	11.0	A2	..	7.1	+17 41	10.9	Ao	..	7.3	+19 17	11.0	F8	..	7.5	+24 31	10.0	Ao
43	1154	6.9	+21 17	9.8	F5	1169	7.1	+17 24	10.4	K2	..	7.3	+18 51	11.0	Fo	..	7.5	+24 7	11.0	Ao
44	..	6.9	+21 11	11.6	F2	1038	7.1	+16 5	9.9	F2	1126	7.3	+18 5	10.2	A2	..	7.5	+23 59	10.6	B8
45	..	6.9	+20 24	11.8	Ao	1192	7.1	+14 29	10.0	B3	1171	7.3	+17 50	10.0	A7	..	7.5	+23 24	12.1	K2
46	..	6.9	+19 35	11.8	Ao	..	7.1	+13 45	10.8	A	..	7.3	+17 38	10.6	Go	..	7.5	+22 55	10.4	Bo
47	..	6.9	+15 59	11.1	A	1163	7.1	+13 24	10.8	Ko	1040	7.3	+16 36	11.0	K2	..	7.5	+22 52	10.7	Fo
48	1109	6.9	+15 0	11.1	A5	..	7.1	+13 19	11.3	A	1194	7.3	+14 58	10.9	Ko	1228	7.5	+22 15	11.2	Ao
49	..	6.9	+14 15	11.0	G	1063	7.1	+11 52	9.8	F2	..	7.3	+14 42	11.0	G	..	7.5	+22 12	10.8	Ao
50	1045	6.9	+10 20	10.2	K2	1062	7.1	+11 2	11.3	K2	1193	7.3	+14 21	9.9	Ko	1157	7.5	+21 27	10.1	Ao

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	7.5	+21 6	11.3	F8	1230	7.7	+22 8	11.0	K2	1203	7.9	+14 54	11.0	K7	..	8.1	+19 26	11.2	A2
2	1316	7.5	+20 27	10.9	Go	..	7.7	+21 58	11.0	A7	1201	7.9	+14 40	10.0	A3	..	8.1	+19 21	11.2	A3
3	1315	7.5	+20 11	10.2	A7	..	7.7	+21 37	11.1	G5	1200	7.9	+14 36	10.4	G5	..	8.1	+19 6	10.8	Go
4	1128	7.5	+18 53	10.4	Go	..	7.7	+21 36	11.0	A2	..	7.9	+14 10	10.6	A5	..	8.1	+18 58	10.8	Ao
5	1041	7.5	+16 41	10.9	Go	1175	7.7	+17 12	9.8	A7	1064	7.9	+12 1	10.8	Go	..	8.1	+18 31	10.8	B9
6	1113	7.5	+15 57	10.6	A7	..	7.7	+15 40	10.6	Ko	..	7.9	+11 37	10.8	B9	1134	8.1	+18 20	10.7	B3
7	1196	7.5	+14 52	11.0	G	1166	7.7	+13 3	10.4	Ao	..	7.9	+10 30	10.8	A2	..	8.1	+17 34	11.3	Go
8	..	7.5	+14 44	10.8	A2	1063	7.7	+12 34	9.8	B8	..	7.9	+10 18	10.8	Ao	1178	8.1	+17 13	10.6	A7
9	1061	7.5	+12 12	9.8	Fo	..	7.7	+12 27	11.2	G5	1235	7.9	+ 8 3	10.0	F2	1046	8.1	+16 33	9.7	Bo
10	1135	7.5	+ 9 54	10.3	Ao	1136	7.7	+ 9 40	10.2	Ao	..	7.9	+ 7 49	11.6	Ko	1117	8.1	+15 30	11.0	K5
11	..	7.5	+ 8 43	11.0	Ao	..	7.7	+ 9 38	10.8	A	1189	7.9	+ 7 28	10.8	F8	1119	8.1	+15 27	10.8	Go
12	1232	7.5	+ 8 8	10.4	Go	..	7.7	+ 8 31	11.4	K7	1190	7.9	+ 7 6	11.2	K2	1120	8.1	+15 15	10.6	G5
13	..	7.5	+ 7 36	11.0	G5	..	7.7	+ 8 2	10.3	Fo	1169	7.9	+ 4 58	10.3	Ko	1065	8.1	+12 46	10.9	Ko
14	..	7.5	+ 7 0	11.4	A	..	7.7	+ 5 45	11.4	A	..	7.9	+ 4 2	11.2	Ko	1055	8.1	+10 40	10.0	A3
15	..	7.6	+33 24	10.8	Ao	1162	7.7	+ 3 17	10.2	A3	1159	8.0	+30 49	9.5	F8	1142	8.1	+ 9 58	10.5	F5
16	1165	7.6	+24 42	9.5	Ko	..	7.8	+34 13	11.0	K7	1051	8.0	+28 45	10.2	Go	1193	8.1	+ 7 25	10.7	B5
17	1164	7.6	+24 33	10.0	A3	..	7.8	+33 28	11.4	Ko	1027	8.0	+27 17	10.8	A5	..	8.1	+ 6 24	10.0	A2
18	..	7.6	+24 19	11.0	A5	..	7.8	+31 31	10.7	A	..	8.0	+24 31	10.8	F8	1139	8.1	+ 5 35	10.6	Ao
19	1163	7.6	+24 11	10.6	Go	1156	7.8	+30 17	10.2	A3	1234	8.0	+22 4	10.8	G5	..	8.1	+ 3 15	11.6	A
20	1255	7.6	+23 31	10.6	F5	1169	7.8	+25 51	10.5	A3	..	8.0	+19 35	11.0	A2	1165	8.1	+ 3 10	10.8	K5
21	1229	7.6	+22 12	10.7	A2	1231	7.8	+22 41	10.8	Ko	..	8.0	+18 45	10.2	B8	1300	8.2	+34 26	10.1	F8
22	..	7.6	+21 33	11.0	Ao	..	7.8	+22 39	11.0	B	..	8.0	+18 30	10.8	Fo	..	8.2	+34 11	11.4	G5
23	1319	7.6	+20 53	10.5	Fo	..	7.8	+20 29	11.0	Go	1043	8.0	+16 8	10.4	G5	1281	8.2	+33 49	10.2	K5
24	1318	7.6	+20 49	10.3	F2	..	7.8	+20 4	11.6	G	1045	8.0	+16 0	10.4	A5	1170	8.2	+25 26	10.6	K7
25	..	7.6	+20 27	10.7	A7	..	7.8	+19 52	11.9	A	1205	8.0	+14 0	10.6	B5	..	8.2	+24 34	11.5	K2
26	1320	7.6	+20 6	10.8	A7	1131	7.8	+18 26	10.0	F5	..	8.0	+12 7	10.2	F8	..	8.2	+24 30	10.9	A
27	1261	7.6	+19 44	10.2	Go	..	7.8	+18 9	10.4	Ao	..	8.0	+11 57	10.9	Go	1259	8.2	+23 7	10.1	A3
28	..	7.6	+19 9	10.8	A2	1199	7.8	+14 22	10.0	Ko	..	8.0	+11 19	10.8	A2	1235	8.2	+22 50	10.4	F5
29	..	7.6	+18 58	11.0	Go	..	7.8	+13 25	11.4	A	..	8.0	+ 9 18	11.1	G5	..	8.2	+22 15	10.4	G5
30	1130	7.6	+18 5	10.6	A5	..	7.8	+13 3	11.4	A	1140	8.0	+ 9 7	9.7	F8	..	8.2	+21 56	11.4	G
31	1174	7.6	+17 47	10.8	Go	1053	7.8	+10 24	10.7	F8	1236	8.0	+ 8 26	10.0	Fo	..	8.2	+21 51	11.6	Ao
32	1173	7.6	+17 40	10.0	Go	1051	7.8	+10 10	9.8	B8	1192	8.0	+ 7 46	10.8	F2	1263	8.2	+19 40	9.6	F5
33	..	7.6	+17 35	11.1	Go	..	7.8	+ 8 40	11.9	A	..	8.0	+ 7 41	11.0	A5	1265	8.2	+19 0	9.5	B2
34	1172	7.6	+17 23	9.8	A3	..	7.8	+ 8 7	11.0	A3	..	8.0	+ 7 40	10.8	Ao	..	8.2	+18 27	11.4	Ko
35	1114	7.6	+15 45	9.6	A2	..	7.8	+ 5 41	11.3	A	..	8.0	+ 7 14	10.6	Go	1179	8.2	+17 26	10.4	Ko
36	..	7.6	+12 48	10.6	Ao	..	7.8	+ 3 51	10.3	A2	1191	8.0	+ 7 12	10.2	F8	1121	8.2	+15 38	10.9	K2
37	1069	7.6	+11 57	10.1	Go	..	7.8	+ 3 12	11.4	K2	1170	8.0	+ 4 48	10.4	Go	..	8.2	+15 14	11.2	Ao
38	1233	7.6	+ 8 8	10.1	A3	1163	7.8	+ 3 11	11.0	K7	..	8.0	+ 4 47	10.8	A	1207	8.2	+14 48	10.4	B9
39	..	7.6	+ 6 13	11.4	G5	1297	7.9	+34 3	10.7	Go	..	8.0	+ 3 59	11.6	K8	..	8.2	+14 47	10.8	A
40	1135	7.6	+ 5 42	10.8	Go	1226	7.9	+32 31	9.4	Go	1298	8.1	+34 32	9.9	B9	1068	8.2	+12 12	9.6	B8
41	..	7.6	+ 4 50	11.5	Ko	1233	7.9	+22 32	9.8	B3	..	8.1	+33 30	11.6	K7	..	8.2	+ 7 59	11.0	Go
42	1167	7.6	+ 4 33	10.4	F8	1232	7.9	+22 19	10.4	Ao	1228	8.1	+32 9	10.7	Go	..	8.2	+ 7 58	11.4	G5
43	..	7.7	+33 41	11.2	G5	1158	7.9	+21 25	10.4	K5	1237	8.1	+31 5	10.4	Ko	1141	8.2	+ 5 27	10.4	Fo
44	..	7.7	+33 38	11.7	K7	..	7.9	+21 9	10.9	A3	1148	8.1	+29 13	10.2	Go	1140	8.2	+ 5 2	11.3	F8
45	1236	7.7	+31 5	10.5	A7	..	7.9	+20 33	11.7	F	1167	8.1	+24 20	9.8	F8	..	8.2	+ 4 8	11.2	A7
46	1155	7.7	+30 48	10.6	Mo	1132	7.9	+18 33	9.8	B9	1160	8.1	+21 58	10.8	K7	1301	8.3	+34 13	11.6	K7
47	1026	7.7	+27 50	10.4	Go	1176	7.9	+17 14	11.0	G5	1162	8.1	+21 52	10.2	B8	1229	8.3	+32 53	10.6	K7
48	..	7.7	+24 28	11.0	F2	1042	7.9	+16 31	10.6	Fo	1161	8.1	+21 27	10.3	Ko	1160	8.3	+30 51	10.6	K5
49	..	7.7	+23 31	11.4	A	1115	7.9	+15 50	10.1	A2	..	8.1	+20 22	11.9	K5	1149	8.3	+29 22	10.2	A7
50	1256	7.7	+23 1	10.9	G5	1116	7.9	+15 0	10.8	K5	1321	8.1	+20 4	9.6	B9	1169	8.3	+24 40	11.2	K7

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	8.3	+22 35	10.8	Fo	1172	8.5	+25 26	9.8	Ao	..	8.7	+21 36	10.8	Go	..	8.9	+22 51	11.0	Go
2	1237	8.3	+22 26	9.5	B5	1173	8.5	+25 21	10.0	F8	1166	8.7	+21 29	11.3	B9	1242	8.9	+22 26	10.8	Ko
3	1236	8.3	+22 14	10.6	Go	1171	8.5	+24 46	10.2	F5	1165	8.7	+21 13	10.8	Ko	1329	8.9	+20 31	10.6	Go
4	..	8.3	+22 1	11.3	G5	1238	8.5	+22 57	10.6	B5	..	8.7	+21 9	10.8	G5	1330	8.9	+20 25	10.7	Go
5	..	8.3	+21 56	11.4	A7	1164	8.5	+21 39	9.6	Fo	1267	8.7	+19 44	11.0	F8	..	8.9	+19 0	11.0	Ko
6	..	8.3	+21 19	11.4	A	1266	8.5	+19 38	9.8	A2	..	8.7	+18 15	11.2	A	..	8.9	+18 34	10.4	A2
7	1324	8.3	+20 43	9.6	A2	..	8.5	+19 4	11.3	A7	1051	8.7	+16 47	10.6	A5	..	8.9	+17 48	11.4	Go
8	1180	8.3	+17 20	10.3	Ao	..	8.5	+18 54	11.5	A7	1073	8.7	+12 32	10.0	Go	1170	8.9	+13 26	10.0	K5
9	1050	8.3	+16 38	10.0	Go	..	8.5	+18 42	10.9	Go	1150	8.7	+ 9 32	10.8	F8	1077	8.9	+11 37	10.0	Go
10	..	8.3	+15 54	11.1	A3	1137	8.5	+18 36	11.0	K5	1148	8.7	+ 9 17	10.4	Ko	..	8.9	+ 9 14	10.3	Ao
11	1167	8.3	+13 19	10.0	A3	1136	8.5	+18 17	10.4	Ko	1149	8.7	+ 9 17	10.2	Ko	..	8.9	+ 8 35	11.4	A7
12	1070	8.3	+11 10	10.5	K7	..	8.5	+17 28	10.9	K2	1241	8.7	+ 8 58	10.4	Ao	1199	8.9	+ 7 54	10.4	Ko
13	1056	8.3	+10 52	9.9	A3	1209	8.5	+14 49	10.4	A3	1172	8.7	+ 4 51	10.8	Go	1145	8.9	+ 5 53	10.7	F8
14	1143	8.3	+ 9 8	10.6	G5	1072	8.5	+11 22	10.8	K7	1303	8.8	+34 10	9.7	F2	..	8.9	+ 4 41	11.3	Fo
15	..	8.3	+ 7 33	11.1	G	..	8.5	+ 9 12	11.2	G	1283	8.8	+33 9	10.4	Go	1169	8.9	+ 3 52	10.1	G5
16	..	8.3	+ 7 19	11.1	A3	1240	8.5	+ 8 52	9.9	B9	..	8.8	+31 47	10.4	A3	1168	8.9	+ 3 48	10.5	Ko
17	..	8.3	+ 6 42	12.0	K2	..	8.5	+ 8 18	12.2	K7	1152	8.8	+29 56	10.1	F2	1284	9.0	+33 20	10.9	K2
18	..	8.3	+ 6 22	11.4	Ko	1166	8.5	+ 6 5	11.0	Ko	1053	8.8	+28 58	10.0	K2	1055	9.0	+28 15	11.1	K5
19	1166	8.3	+ 3 20	9.8	Go	..	8.5	+ 5 59	11.0	F8	..	8.8	+24 26	11.6	K7	..	9.0	+26 25	11.3	Ao
20	1240	8.4	+31 50	10.6	A	1142	8.5	+ 5 22	10.8	B9	..	8.8	+22 31	10.3	A2	1177	9.0	+25 30	9.6	F5
21	1150	8.4	+29 53	10.0	G5	..	8.5	+ 4 16	11.0	K5	..	8.8	+22 4	10.6	A2	1176	9.0	+25 7	9.9	Ao
22	1029	8.4	+27 25	10.7	K7	..	8.5	+ 3 40	10.6	F5	..	8.8	+21 27	11.2	A3	1266	9.0	+23 36	10.4	A5
23	*1144*	8.4	+27 0	11.0	Go	1302	8.6	+34 24	10.5	Ko	..	8.8	+21 19	11.0	Go	..	9.0	+21 13	10.7	Ao
24	1170	8.4	+24 26	10.7	Go	1032	8.6	+27 56	9.3	B8	1328	8.8	+20 48	10.8	Ko	1331	9.0	+20 35	10.8	A3
25	..	8.4	+21 22	11.4	K	1031	8.6	+27 2	11.2	G5	..	8.8	+20 33	11.7	A5	1332	9.0	+20 21	10.2	Fo
26	..	8.4	+20 45	10.4	B9	1172	8.6	+24 9	10.6	F8	..	8.8	+20 18	10.8	A3	..	9.0	+20 20	10.4	A2
27	..	8.4	+20 29	10.7	B9	1263	8.6	+23 57	9.6	A5	..	8.8	+20 13	11.1	Go	..	9.0	+20 20	11.8	A
28	..	8.4	+18 58	11.2	Ao	1261	8.6	+23 48	9.6	A7	..	8.8	+20 4	10.6	A2	..	9.0	+20 7	11.1	Ao
29	1135	8.4	+18 40	10.2	B8	1260	8.6	+23 34	10.0	Ao	1327	8.8	+20 4	10.4	G5	..	9.0	+19 48	11.4	Fo
30	..	8.4	+18 35	11.0	Ao	..	8.6	+22 32	11.0	Ao	..	8.8	+19 52	11.8	Ko	..	9.0	+19 3	11.1	G5
31	1122	8.4	+15 58	10.2	A7	1239	8.6	+22 24	10.2	Ko	1268	8.8	+19 17	9.3	Fo	..	9.0	+18 31	11.4	Fo
32	1168	8.4	+13 28	10.3	B8	1240	8.6	+22 10	10.4	Ko	..	8.8	+18 18	10.9	A3	1139	9.0	+18 24	10.4	K7
33	1071	8.4	+12 59	10.3	B5	..	8.6	+21 56	11.2	Go	1138	8.8	+18 1	9.8	A2	..	9.0	+18 15	11.1	A5
34	1069	8.4	+12 18	9.8	K5	..	8.6	+21 45	11.8	Fo	..	8.8	+17 59	11.2	F8	1053	9.0	+16 45	9.6	G5
35	1071	8.4	+11 2	9.7	A2	..	8.6	+21 27	11.5	K7	..	8.8	+17 42	10.4	A2	..	9.0	+14 57	10.8	Go
36	1145	8.4	+ 9 18	10.0	K5	1325	8.6	+20 52	10.6	Ao	..	8.8	+17 20	11.6	Ao	1212	9.0	+14 46	10.9	Ao
37	..	8.4	+ 9 13	11.0	G5	..	8.6	+20 41	10.7	F5	..	8.8	+12 32	10.5	Ao	1171	9.0	+13 53	10.4	B8
38	1239	8.4	+ 8 54	10.4	G5	..	8.6	+18 43	11.2	A2	1074	8.8	+11 1	11.0	K7	1078	9.0	+11 6	9.6	Go
39	*1194*	8.4	+ 8 0	10.0	A3	..	8.6	+17 31	11.0	Go	1058	8.8	+10 37	10.2	A3	1171	9.0	+ 3 37	10.3	A2
40	..	8.4	+ 6 55	11.0	A5	..	8.6	+16 13	11.0	F8	1151	8.8	+ 9 41	10.8	Ko	1156	9.1	+29 26	9.9	Go
41	1163	8.4	+ 6 42	11.4	F8	1072	8.6	+12 18	9.5	Go	..	8.8	+ 8 12	11.4	G5	1033	9.1	+27 32	11.4	K7
42	..	8.4	+ 6 42	11.0	Ko	1073	8.6	+11 25	10.7	Go	1198	8.8	+ 7 30	10.8	A2	1178	9.1	+25 51	10.8	K5
43	1165	8.4	+ 6 29	11.0	G5	1146	8.6	+ 9 41	11.0	Ao	..	8.8	+ 7 10	10.8	Ao	..	9.1	+25 37	10.3	Ao
44	1241	8.5	+31 44	10.5	K7	1147	8.6	+ 9 11	10.8	K7	1143	8.8	+ 5 33	10.2	F5	1179	9.1	+25 30	10.5	K7
45	1242	8.5	+31 20	10.0	Go	..	8.6	+ 9 2	10.8	A3	..	8.8	+ 3 52	10.7	Go	1175	9.1	+24 4	9.6	F8
46	1163	8.5	+30 55	9.8	Go	1197	8.6	+ 7 8	10.8	Go	..	8.9	+34 22	10.5	A2	1333	9.1	+20 58	10.0	A7
47	1162	8.5	+30 35	10.1	Go	..	8.6	+ 6 3	11.1	A	..	8.9	+31 15	10.6	K2	..	9.1	+18 58	10.8	A2
48	1151	8.5	+29 28	10.6	G	1145	8.7	+26 58	10.4	Ko	1054	8.9	+28 28	10.4	F2	..	9.1	+18 34	11.0	F2
49	1030	8.5	+27 24	10.0	Ko	..	8.7	+24 26	11.1	F5	1146	8.9	+26 23	11.4	Ao	..	9.1	+17 6	11.1	F8
50	..	8.5	+26 33	11.2	A2	1264	8.7	+23 19	10.2	A2	1265	8.9	+23 17	8.7	B8	..	9.1	+16 35	10.8	F5

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253900 — $6^h\ 9^m.1$ to $6^h\ 10^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	9.1	+15 56	10.9	F5	..	9.4	+24 14	11.2	G5	..	9.6	+21 13	10.2	A2	..	9.8	+17 30	10.9	Go
2	..	9.1	+15 26	10.0	Ao	1268	9.4	+23 57	10.8	F8	..	9.6	+15 4	11.0	Ao	1062	9.8	+16 29	9.1	F5
3	1215	9.1	+14 58	10.2	Ko	1247	9.4	+22 49	10.2	A2	..	9.6	+13 7	10.6	A3	1061	9.8	+16 16	9.3	A3
4	1214	9.1	+14 40	10.2	G5	1246	9.4	+22 30	9.6	B8	..	9.6	+11 50	11.0	A	1129	9.8	+15 5	10.2	A2
5	..	9.1	+12 58	10.8	A5	..	9.4	+22 4	11.1	Ao	1064	9.6	+10 5	9.6	Fo	1077	9.8	+12 22	9.9	Ko
6	..	9.1	+10 0	11.0	Ao	..	9.4	+21 5	11.8	Ko	1065	9.6	+10 1	10.2	Go	..	9.8	+11 55	11.2	A
7	1152	9.1	+ 9 47	11.0	Mo	..	9.4	+20 16	11.1	F8	1156	9.6	+ 9 39	10.7	Go	..	9.8	+ 8 40	11.6	A5
8	1147	9.1	+ 5 37	10.3	Ao	..	9.4	+19 40	10.8	Fo	..	9.6	+ 8 43	11.9	G5	1204	9.8	+ 7 56	10.6	G5
9	1172	9.1	+ 3 50	10.3	G5	..	9.4	+18 50	10.8	Ao	..	9.6	+ 7 4	11.2	A3	1206	9.8	+ 7 29	10.0	Fo
10	1165	9.2	+30 4	9.8	Ao	..	9.4	+18 34	10.4	Fo	..	9.6	+ 6 33	11.0	F	1205	9.8	+ 7 1	10.3	Ao
11	1158	9.2	+29 1	9.7	Ko	..	9.4	+18 27	11.2	F8	1176	9.6	+ 4 36	11.0	Go	..	9.8	+ 6 7	10.5	A2
12	..	9.2	+23 39	12.0	K5	1140	9.4	+18 15	10.4	Go	1175	9.6	+ 4 5	10.0	A7	1150	9.8	+ 5 50	9.6	Fo
13	..	9.2	+22 2	10.9	Go	..	9.4	+18 2	10.6	B9	..	9.7	+34 29	10.8	F5	1151	9.8	+ 5 10	10.6	Fo
14	..	9.2	+21 33	10.5	Ao	1185	9.4	+17 56	10.0	B9	1288	9.7	+33 43	10.2	G5	1236	9.9	+32 24	11.0	K5
15	..	9.2	+20 32	10.8	Fo	..	9.4	+16 5	10.6	Fo	1249	9.7	+31 24	9.7	Go	1170	9.9	+30 35	10.8	Ao
16	..	9.2	+20 18	11.7	F5	1217	9.4	+14 47	10.9	K5	1169	9.7	+30 1	9.4	A2	1171	9.9	+30 7	10.2	F5
17	1272	9.2	+19 57	9.6	A2	..	9.4	+12 47	11.4	Ao	..	9.7	+27 42	10.7	A2	1059	9.9	+28 14	9.6	F8
18	..	9.2	+19 46	10.7	Fo	1081	9.4	+11 14	11.2	Go	1185	9.7	+25 36	10.8	Ao	1179	9.9	+24 26	11.2	A2
19	..	9.2	+19 35	10.9	A5	1153	9.4	+ 9 45	12.0	K5	..	9.7	+24 51	11.9	G	..	9.9	+24 6	12.0	Ko
20	1271	9.2	+19 19	10.8	Go	..	9.4	+ 9 18	11.8	A	..	9.7	+22 0	11.8	Ko	..	9.9	+23 28	12.1	K7
21	1274	9.2	+19 4	10.6	B3	..	9.4	+ 7 55	10.8	Go	1169	9.7	+21 46	10.7	A2	..	9.9	+23 27	11.0	F2
22	..	9.2	+18 36	11.0	Go	1148	9.4	+ 5 32	10.7	F8	..	9.7	+20 38	10.7	F8	1249	9.9	+22 22	11.6	K5
23	..	9.2	+18 9	11.3	Ao	..	9.4	+ 4 1	11.7	Ko	1336	9.7	+20 10	10.4	A5	1170	9.9	+21 41	10.8	Ko
24	..	9.2	+17 56	11.2	Ao	..	9.5	+33 26	11.4	G	..	9.7	+19 10	11.4	G	1171	9.9	+21 36	9.8	Ao
25	..	9.2	+17 31	11.0	Go	1248	9.5	+31 8	10.6	K2	..	9.7	+17 55	11.5	A3	..	9.9	+21 25	10.6	Fo
26	1055	9.2	+16 52	9.4	Fo	1035	9.5	+27 16	9.6	A2	..	9.7	+17 41	11.0	A	..	9.9	+20 15	11.2	A2
27	1124	9.2	+15 50	10.4	Ko	1181	9.5	+25 35	10.8	Ao	..	9.7	+14 49	11.3	Fo	1279	9.9	+19 18	10.7	F8
28	1125	9.2	+15 39	9.2	B8	..	9.5	+24 45	10.7	Ao	1175	9.7	+13 0	10.6	G5	..	9.9	+19 4	10.9	A2
29	1079	9.2	+11 53	10.9	Fo	1269	9.5	+23 54	9.9	F5	..	9.7	+12 2	10.6	Ao	..	9.9	+18 7	11.6	Go
30	..	9.2	+ 9 32	11.0	A5	..	9.5	+22 5	10.9	B	..	9.7	+10 35	10.6	B9	..	9.9	+17 22	11.4	A3
31	1242	9.2	+ 8 8	10.0	Ao	1168	9.5	+21 18	9.4	Bo	1066	9.7	+10 24	10.0	F5	..	9.9	+16 9	10.8	Ko
32	1173	9.2	+ 4 1	11.7	K7	..	9.5	+20 32	11.7	G5	..	9.7	+10 4	11.3	Ko	1130	9.9	+15 27	10.4	Ko
33	..	9.2	+ 3 13	10.6	A3	1275	9.5	+19 4	9.2	B5	..	9.7	+ 9 21	11.4	A5	1219	9.9	+14 20	9.7	B9
34	1285	9.3	+33 34	10.7	K5	..	9.5	+18 55	11.0	Ao	1157	9.7	+ 9 14	10.8	F8	1176	9.9	+13 7	10.0	B3
35	1056	9.3	+28 34	10.7	G5	..	9.5	+18 33	11.2	A7	1244	9.7	+ 8 37	10.6	A2	1079	9.9	+12 50	9.9	F8
36	..	9.3	+24 18	12.1	K2	1186	9.5	+17 42	10.1	Go	..	9.7	+ 8 5	11.6	Go	*1082*	9.9	+12 0	9.9	Ao
37	1267	9.3	+23 15	9.6	A5	..	9.5	+17 13	11.2	F5	..	9.8	+33 6	10.6	Ao	..	9.9	+11 55	11.1	A
38	1245	9.3	+22 11	9.8	F5	1058	9.5	+16 55	10.3	F2	1235	9.8	+32 14	10.2	A	1158	9.9	+ 9 6	10.9	K5
39	..	9.3	+20 56	11.8	A	1127	9.5	+15 22	10.2	A2	1057	9.8	+28 58	10.7	Go	1247	9.9	+ 8 3	10.4	A2
40	1335	9.3	+20 33	11.1	F8	1218	9.5	+14 7	9.8	B9	1177	9.8	+24 55	12.4	K7	..	9.9	+ 6 42	11.0	G5
41	1334	9.3	+20 16	10.2	Go	..	9.5	+10 0	10.5	Go	1178	9.8	+24 10	8.9	Fo	1171	9.9	+ 6 11	10.8	F5
42	1273	9.3	+19 29	9.9	Go	1154	9.5	+ 9 45	12.1	K7	1176	9.8	+24 6	8.8	Bo	..	9.9	+ 6 10	11.0	A
43	..	9.3	+18 58	11.3	Ao	1155	9.5	+ 9 10	10.9	Ao	1248	9.8	+22 58	11.4	Ko	..	10.0	+30 43	10.6	A2
44	1076	9.3	+12 8	9.8	A3	1202	9.5	+ 7 56	10.4	Ko	..	9.8	+22 23	10.9	F2	1160	10.0	+29 50	9.5	Fo
45	..	9.3	+11 40	10.5	A7	1175	9.5	+ 3 5	10.2	F2	..	9.8	+21 37	11.0	G5	..	10.0	+25 23	10.8	Go
46	1062	9.3	+10 3	11.0	G5	*1233*	9.6	+33 0	9.9	K2	..	9.8	+19 42	11.4	G5	1180	10.0	+24 15	9.2	Ao
47	..	9.3	+ 8 10	11.5	Ao	..	9.6	+32 29	10.8	A	1278	9.8	+19 10	10.2	Ao	..	10.0	+19 46	11.2	Ao
48	1173	9.3	+ 3 27	10.2	F8	1159	9.6	+29 50	10.4	A7	1277	9.8	+19 9	10.5	Ao	1280	10.0	+19 17	11.3	Ko
49	1306	9.4	+34 2	10.4	Go	1037	9.6	+27 41	10.8	K7	..	9.8	+18 33	11.1	Ao	..	10.0	+19 7	11.2	G5
50	..	9.4	+25 33	10.7	A3	1184	9.6	+25 30	10.5	A7	..	9.8	+17 50	11.5	Ko	1142	10.0	+18 47	10.8	Ao

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	10.0	+18 38	11.6	K2	1181	10.2	+24 50	11.2	A7	1183	10.4	+24 11	10.8	G5	1252	10.5	+ 8 17	10.7	Go
2	1143	10.0	+18 11	10.0	Ao	1274	10.2	+23 58	11.0	B8	..	10.4	+23 21	11.0	Ao	1174	10.5	+ 6 15	10.5	A7
3	..	10.0	+17 16	11.2	A5	..	10.2	+23 11	11.6	K2	1251	10.4	+22 20	9.9	B8	..	10.5	+ 5 56	11.4	Go
4	1177	10.0	+13 18	10.3	F5	..	10.2	+23 2	11.2	A5	..	10.4	+21 47	10.6	F8	..	10.5	+ 5 30	11.1	Ao
5	..	10.0	+11 46	10.5	A5	..	10.2	+21 50	10.8	A5	1341	10.4	+20 57	10.1	B8	1180	10.5	+ 4 50	10.8	Ko
6	1068	10.0	+10 12	10.6	Ko	..	10.2	+20 54	11.2	G	1343	10.4	+20 48	11.8	K5	1179	10.5	+ 4 45	10.6	G5
7	..	10.0	+ 9 15	10.9	F8	1338	10.2	+20 7	11.0	Ko	1342	10.4	+20 39	11.2	F5	1309	10.6	+34 27	10.0	Ko
8	..	10.0	+ 9 10	11.6	A	..	10.2	+19 17	10.8	F8	1344	10.4	+20 35	9.6	Ao	..	10.6	+33 37	12.2	K2
9	..	10.0	+ 6 11	11.1	A3	..	10.2	+18 15	12.0	A5	1282	10.4	+19 38	9.6	Ko	1289	10.6	+33 20	11.4	Ko
10	1153	10.0	+ 5 54	9.7	B5	..	10.2	+17 39	11.4	Go	1146	10.4	+18 43	9.6	F5	..	10.6	+32 42	10.9	A
11	1179	10.0	+ 3 49	9.8	A7	*1065*	10.2	+15 59	9.8	Go	..	10.4	+17 46	11.2	A2	1255	10.6	+31 24	9.8	Ao
12	..	10.1	+33 20	11.2	Ao	..	10.2	+ 8 58	11.8	K5	1067	10.4	+16 2	10.0	F8	..	10.6	+30 33	10.7	A
13	1252	10.1	+31 12	10.6	K2	1249	10.2	+ 8 49	9.8	Ao	1133	10.4	+15 53	10.8	A5	1065	10.6	+28 9	10.0	A7
14	1250	10.1	+31 5	10.3	Ko	..	10.2	+ 7 53	11.0	G	1164	10.4	+ 9 58	9.8	A2	..	10.6	+23 52	12.0	A
15	1173	10.1	+30 50	10.7	K2	1208	10.2	+ 7 4	11.3	K2	..	10.4	+ 9 52	11.4	K5	..	10.6	+22 46	10.8	Go
16	1161	10.1	+29 45	9.2	Fo	1155	10.2	+ 5 9	11.4	K7	1251	10.4	+ 8 53	10.2	Ko	..	10.6	+21 37	11.4	Ko
17	1038	10.1	+27 40	10.6	F2	1177	10.2	+ 4 32	11.2	F8	..	10.4	+ 8 11	10.8	B5	..	10.6	+20 1	11.0	Ao
18	1039	10.1	+27 26	10.2	Ao	1307	10.3	+34 17	9.4	B8	1253	10.4	+ 8 4	10.1	Fo	1284	10.6	+19 54	10.8	Ao
19	1151	10.1	+26 46	9.4	F2	..	10.3	+28 41	10.6	Ao	1210	10.4	+ 7 53	10.4	Ko	1150	10.6	+18 9	10.5	K5
20	1186	10.1	+25 13	10.2	Fo	1155	10.3	+26 13	10.8	A	..	10.4	+ 7 32	11.8	K5	1192	10.6	+17 31	10.2	Ko
21	1273	10.1	+23 39	9.2	Fo	..	10.3	+23 21	10.7	A2	..	10.4	+ 6 45	10.9	A5	..	10.6	+15 21	11.0	Ao
22	1272	10.1	+23 35	10.4	A2	1339	10.3	+20 31	9.8	Fo	..	10.4	+ 6 35	11.1	F2	..	10.6	+14 33	10.6	A3
23	1174	10.1	+21 44	9.5	Ko	..	10.3	+20 4	11.7	Go	..	10.4	+ 5 31	11.6	A2	1224	10.6	+14 0	10.1	A5
24	..	10.1	+21 35	11.2	G5	..	10.3	+19 28	11.0	Go	1181	10.4	+ 3 33	9.9	Ko	1179	10.6	+13 56	10.0	K7
25	1173	10.1	+21 22	10.5	B8	..	10.3	+19 15	11.0	F5	..	10.5	+31 17	10.8	A	..	10.6	+13 53	10.6	A2
26	..	10.1	+20 17	11.6	G5	..	10.3	+17 59	10.8	Ao	1176	10.5	+30 46	10.6	Ko	..	10.6	+12 57	10.4	A5
27	..	10.1	+19 0	11.2	Ao	1188	10.3	+17 41	9.6	F2	1064	10.5	+28 58	10.6	K2	1092	10.6	+11 35	10.1	K2
28	1145	10.1	+18 50	10.6	A3	..	10.3	+17 26	11.1	G5	1063	10.5	+28 41	10.6	K5	..	10.6	+10 15	12.1	K7
29	1144	10.1	+18 40	10.0	Go	..	10.3	+15 32	10.8	Ao	1188	10.5	+25 15	10.2	K2	1165	10.6	+ 9 10	9.8	Fo
30	..	10.1	+18 11	12.0	A2	1132	10.3	+15 8	10.3	B9	..	10.5	+24 37	12.0	G5	..	10.6	+ 8 41	11.3	Ao
31	..	10.1	+17 13	11.1	F8	1222	10.3	+14 19	10.0	B5	1184	10.5	+24 5	10.2	A3	..	10.6	+ 6 44	11.0	A
32	1064	10.1	+16 41	9.1	F2	..	10.3	+12 1	10.4	A2	1252	10.5	+22 45	10.4	Go	1175	10.6	+ 6 41	10.8	A
33	1063	10.1	+16 16	10.7	Go	1086	10.3	+11 31	10.8	Go	1176	10.5	+21 17	10.4	A2	..	10.6	+ 5 50	11.4	A5
34	..	10.1	+14 52	11.4	A2	1087	10.3	+11 14	9.8	Go	..	10.5	+19 56	10.7	Go	..	10.6	+ 5 35	11.8	G5
35	..	10.1	+14 50	11.2	F5	1089	10.3	+11 9	9.9	F2	1283	10.5	+19 26	11.1	Ko	1182	10.6	+ 4 33	11.6	K5
36	1178	10.1	+13 29	11.0	G5	1088	10.3	+11 3	10.5	G	1148	10.5	+18 50	9.8	Ko	..	10.7	+33 20	11.4	Go
37	1080	10.1	+12 7	10.0	F8	1070	10.3	+10 58	10.2	B8	..	10.5	+18 35	11.0	Ao	1256	10.7	+31 7	10.4	Ko
38	1085	10.1	+11 51	9.9	B9	1069	10.3	+10 49	10.1	F2	1149	10.5	+18 9	10.3	Ao	1163	10.7	+29 35	9.0	F8
39	1162	10.1	+ 9 13	9.6	F5	..	10.3	+ 8 16	11.0	F8	1190	10.5	+17 21	10.1	F2	1189	10.7	+25 54	11.0	A3
40	1161	10.1	+ 9 2	10.0	Ao	..	10.3	+ 8 10	11.6	A	1069	10.5	+16 9	9.9	A5	1190	10.7	+25 34	10.8	Fo
41	..	10.1	+ 8 43	11.3	G	..	10.3	+ 7 55	11.0	A2	1134	10.5	+15 32	10.2	K2	1185	10.7	+24 6	10.5	A7
42	..	10.1	+ 8 30	10.7	Ao	..	10.3	+ 6 16	11.2	Ao	..	10.5	+14 23	10.7	Ao	..	10.7	+20 48	11.2	A3
43	1154	10.1	+ 5 4	10.4	F5	..	10.3	+ 4 10	11.8	G5	1180	10.5	+13 37	10.4	A2	..	10.7	+19 39	10.7	Go
44	1237	10.2	+32 48	10.0	Fo	..	10.3	+ 3 58	10.4	A7	..	10.5	+13 0	10.5	B3	..	10.7	+18 37	11.6	G5
45	1254	10.2	+31 24	9.7	G5	1175	10.4	+30 51	9.6	G	1090	10.5	+11 58	9.6	G5	..	10.7	+18 32	11.1	Go
46	1253	10.2	+31 0	10.4	A3	1174	10.4	+30 48	9.6	A	1072	10.5	+10 36	10.8	Ko	..	10.7	+18 27	11.0	Go
47	1040	10.2	+27 16	9.8	F5	..	10.4	+30 23	10.5	Ao	..	10.5	+10 10	10.6	F5	1151	10.7	+18 25	9.8	A2
48	..	10.2	+27 0	11.2	Fo	..	10.4	+26 37	10.8	A	..	10.5	+10 8	11.2	A	..	10.7	+18 11	11.6	A3
49	1153	10.2	+26 51	10.2	A5	1187	10.4	+25 46	10.6	Ao	..	10.5	+ 8 53	11.9	K	..	10.7	+17 59	10.8	A2
50	1152	10.2	+26 46	10.8	F8	..	10.4	+25 15	10.5	A3	..	10.5	+ 8 49	12.0	M	..	10.7	+16 30	11.0	G5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1135	10.7	+14 59	10.8	K5	1227	10.9	+14 37	10.5	B8	..	11.1	+13 2	11.4	Go	1196	11.3	+17 51	11.0	Ko
2	1181	10.7	+13 21	10.1	Bo	..	10.9	+14 20	10.4	B9	1087	11.1	+12 53	10.2	K5	1075	11.3	+16 30	10.1	A2
3	1082	10.7	+12 38	9.7	Ao	..	10.9	+13 48	11.0	A	1098	11.1	+11 58	10.6	G5	1229	11.3	+14 1	10.9	Ko
4	1095	10.7	+11 19	9.4	A7	1074	10.9	+10 57	10.2	Ao	1099	11.1	+11 9	10.4	G5	..	11.3	+13 7	11.2	Fo
5	..	10.7	+ 8 43	11.1	F8	..	10.9	+ 9 54	11.3	Ao	1075	11.1	+10 42	10.0	K7	..	11.3	+12 54	10.4	Fo
6	..	10.7	+ 8 2	10.8	A2	1255	10.9	+ 8 30	10.1	Ko	..	11.1	+10 27	10.8	A2	..	11.3	+11 53	11.9	A
7	..	10.7	+ 7 17	11.2	G5	1212	10.9	+ 7 45	10.8	G5	1213	11.1	+ 7 51	11.0	F5	..	11.3	+10 55	10.2	A2
8	..	10.7	+ 5 33	12.0	A	..	10.9	+ 7 2	11.6	A	1214	11.1	+ 7 40	10.2	Go	..	11.3	+ 9 58	11.2	G
9	1183	10.7	+ 3 53	10.6	F8	1157	10.9	+ 5 31	10.6	Ao	1159	11.1	+ 5 42	10.6	G5	1170	11.3	+ 9 34	11.1	Ko
10	1311	10.8	+34 6	9.8	F5	1184	10.9	+ 3 4	10.0	Ko	..	11.1	+ 5 4	11.2	F	..	11.3	+ 6 41	11.7	A
11	1239	10.8	+32 46	9.4	Ao	1044	11.0	+27 40	10.4	A7	1186	11.1	+ 3 52	10.4	A3	..	11.3	+ 6 35	11.0	A5
12	1258	10.8	+31 16	10.8	K2	1043	11.0	+27 19	9.5	F8	..	11.1	+ 3 6	10.6	A3	1160	11.3	+ 5 50	11.2	Go
13	1178	10.8	+30 59	9.2	F2	1161	11.0	+26 50	10.5	Ao	1313	11.2	+34 4	10.6	M1	..	11.3	+ 5 0	11.6	A
14	1066	10.8	+28 51	9.6	Go	1160	11.0	+26 27	10.9	K2	..	11.2	+32 32	10.6	A	..	11.3	+ 4 3	9.9	Go
15	1041	10.8	+27 53	9.4	Go	..	11.0	+25 9	10.9	Ao	1181	11.2	+30 54	10.0	A5	1187	11.3	+ 4 2	9.8	G5
16	..	10.8	+24 20	11.0	A2	..	11.0	+21 49	11.2	K2	1164	11.2	+29 55	10.4	Go	1182	11.4	+30 21	10.2	A7
17	1186	10.8	+24 17	10.7	A3	1345	11.0	+20 22	10.4	Go	1194	11.2	+25 59	10.0	A7	1070	11.4	+28 6	10.6	K2
18	1177	10.8	+21 58	9.8	B5	1346	11.0	+20 17	10.1	Ao	..	11.2	+23 21	11.0	Ao	1048	11.4	+27 13	9.8	F8
19	..	10.8	+21 55	11.2	K7	..	11.0	+19 28	10.8	Fo	1277	11.2	+23 0	11.1	Ko	1196	11.4	+25 19	11.0	G5
20	..	10.8	+20 50	10.6	Ao	1286	11.0	+19 0	10.8	Ko	1255	11.2	+22 6	9.8	Ko	1197	11.4	+25 9	10.6	Ko
21	1152	10.8	+18 54	9.8	A3	1154	11.0	+18 30	9.7	Fo	..	11.2	+21 5	11.2	Go	1278	11.4	+23 50	10.8	K5
22	..	10.8	+18 16	10.6	F8	..	11.0	+18 24	10.7	F	1288	11.2	+19 45	10.0	Ao	1279	11.4	+23 44	11.0	K5
23	1193	10.8	+17 43	10.8	Ko	1194	11.0	+17 29	10.3	A3	..	11.2	+18 2	11.8	A	..	11.4	+23 5	12.1	A
24	..	10.8	+17 33	11.8	A	1195	11.0	+17 28	9.5	Go	..	11.2	+17 49	11.3	F8	1260	11.4	+22 53	11.4	K5
25	1071	10.8	+16 11	10.4	Fo	..	11.0	+15 41	11.0	A	1073	11.2	+16 30	10.0	F8	1259	11.4	+22 47	11.4	K2
26	1225	10.8	+14 54	11.4	Ko	1085	11.0	+12 31	9.8	A2	1074	11.2	+16 13	10.8	K7	..	11.4	+22 42	11.0	A
27	1226	10.8	+14 1	10.9	G5	1086	11.0	+12 18	9.6	A3	..	11.2	+15 19	10.6	F5	1258	11.4	+22 28	9.7	B8
28	..	10.8	+13 45	10.8	A	1097	11.0	+11 27	10.3	Ao	1182	11.2	+13 32	9.4	Bo	..	11.4	+21 19	10.8	Go
29	1083	10.8	+12 26	9.6	B8	..	11.0	+11 7	11.0	Go	1088	11.2	+12 7	9.3	G5	..	11.4	+18 14	11.6	F8
30	..	10.8	+11 46	11.4	K5	..	11.0	+10 29	10.9	Ao	..	11.2	+10 8	11.0	Fo	1197	11.4	+17 52	11.0	K2
31	..	10.8	+10 24	11.2	A	..	11.0	+ 9 55	11.4	A	1169	11.2	+ 9 22	10.9	Ao	1140	11.4	+15 34	10.5	B9
32	..	10.8	+ 9 39	11.2	B9	..	11.0	+ 6 54	11.1	G5	..	11.2	+ 9 13	10.7	Ao	1141	11.4	+15 11	9.9	B9
33	..	10.8	+ 7 47	10.8	B8	1046	11.1	+27 46	10.7	F8	..	11.2	+ 7 37	11.4	A	..	11.4	+14 30	10.3	F8
34	1211	10.8	+ 7 17	10.8	Ko	..	11.1	+26 21	11.7	Ko	1178	11.2	+ 6 56	11.0	Go	1172	11.4	+ 9 2	11.6	Ko
35	..	10.8	+ 5 55	11.9	F5	..	11.1	+25 22	11.1	A5	1177	11.2	+ 6 38	10.6	G5	1171	11.4	+ 9 1	11.6	K2
36	..	10.8	+ 5 40	12.0	A	1192	11.1	+25 17	10.8	A2	..	11.2	+ 6 30	11.0	A5	..	11.4	+ 8 36	11.5	Ao
37	..	10.8	+ 5 20	11.0	Go	1193	11.1	+25 4	11.1	G5	1179	11.2	+ 6 0	10.0	Ao	1258	11.4	+ 8 28	10.3	A7
38	1241	10.9	+32 57	10.7	Ko	1187	11.1	+24 40	10.0	B8	1245	11.3	+32 15	9.6	B9	1259	11.4	+ 8 19	10.4	B8
39	1240	10.9	+32 44	9.8	F8	..	11.1	+24 21	12.0	K7	1047	11.3	+27 50	11.2	K5	1215	11.4	+ 7 49	10.8	G5
40	1067	10.9	+28 54	9.4	A2	..	11.1	+22 58	11.8	K5	..	11.3	+25 50	10.6	A5	1314	11.5	+34 25	10.4	Ao
41	1157	10.9	+26 51	10.5	G	..	11.1	+21 19	11.6	K2	1195	11.3	+25 4	10.6	Ao	1183	11.5	+30 49	9.6	F8
42	1158	10.9	+26 31	10.8	Ao	..	11.1	+20 37	10.9	F5	..	11.3	+23 30	10.6	A2	..	11.5	+29 50	11.0	A
43	1159	10.9	+26 23	10.6	K2	1287	11.1	+19 37	9.8	A2	1256	11.3	+22 51	11.0	Go	1163	11.5	+26 31	11.2	Go
44	..	10.9	+24 26	12.0	K7	..	11.1	+19 12	10.8	A2	..	11.3	+21 16	10.7	Ao	1164	11.5	+26 24	9.7	Go
45	1276	10.9	+23 0	10.6	F8	..	11.1	+19 3	10.9	F8	1179	11.3	+21 13	10.8	A2	1188	11.5	+24 34	9.6	Go
46	1254	10.9	+22 13	9.6	B3	..	11.1	+18 51	10.8	Ao	1347	11.3	+20 41	11.8	K2	..	11.5	+24 22	11.9	Ao
47	1153	10.9	+18 26	10.0	Fo	1155	11.1	+18 9	10.2	K2	..	11.3	+20 14	10.8	A3	..	11.5	+23 18	11.0	B9
48	..	10.9	+17 44	11.2	G5	..	11.1	+16 28	10.2	K5	..	11.3	+19 48	11.0	Ao	..	11.5	+22 30	11.2	K2
49	1072	10.9	+16 35	10.7	Go	1137	11.1	+15 36	10.4	Ko	..	11.3	+19 26	11.2	G5	..	11.5	+21 48	11.2	A3
50	1136	10.9	+15 50	9.5	G5	..	11.1	+14 52	10.8	A3	1158	11.3	+18 11	10.6	G5	1290	11.5	+19 53	10.2	A2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	11.5	+19 26	10.7	Go	1091	11.7	+12 55	9.8	Ko	1265	11.9	+22 15	10.4	K2	1189	12.0	+ 4 5	10.2	F8
2	1289	11.5	+19 24	9.7	B8	1090	11.7	+12 33	10.4	F2	1266	11.9	+22 1	10.9	A7	..	12.1	+34 7	11.1	K2
3	..	11.5	+19 9	11.1	Fo	..	11.7	+12 24	10.8	F3	1182	11.9	+21 30	9.4	Ao	..	12.1	+26 32	10.8	Ao
4	1160	11.5	+18 1	11.0	K5	..	11.7	+10 45	11.4	Ko	..	11.9	+19 39	11.0	Go	1202	12.1	+25 18	11.1	K7
5	..	11.5	+17 47	10.8	A2	1078	11.7	+10 35	10.1	A5	1293	11.9	+19 6	10.5	F2	1284	12.1	+23 20	10.5	G5
6	..	11.5	+17 39	11.6	F5	1077	11.7	+10 25	9.9	Ao	..	11.9	+17 34	11.6	A2	1270	12.1	+22 43	10.8	K2
7	1143	11.5	+15 45	10.7	F5	1174	11.7	+ 9 56	9.7	Ao	1076	11.9	+16 55	10.0	A2	1184	12.1	+21 53	9.6	A3
8	..	11.5	+12 49	11.8	F8	1176	11.7	+ 9 49	9.9	B9	..	11.9	+15 35	10.3	A2	..	12.1	+21 39	11.4	G
9	..	11.5	+10 36	11.0	Ao	*1175*	11.7	+ 8 59	10.7	A7	..	11.9	+15 22	11.0	G5	1355	12.1	+20 47	11.2	K5
10	..	11.5	+10 32	11.4	A	1218	11.7	+ 7 58	11.6	Ko	..	11.9	+13 51	11.6	A7	..	12.1	+20 8	11.5	G
11	1076	11.5	+10 10	11.2	Mo	..	11.7	+ 6 20	10.8	Ao	1092	11.9	+12 0	10.6	B5	..	12.1	+17 43	11.0	Ao
12	..	11.5	+ 7 19	11.3	Ao	..	11.7	+ 6 4	11.2	A	..	11.9	+11 45	12.0	F2	1093	12.1	+12 59	10.4	K2
13	..	11.5	+ 6 35	11.0	Fo	..	11.7	+ 5 59	11.2	A7	..	11.9	+11 2	11.4	Go	..	12.1	+12 9	11.4	Go
14	1162	11.5	+ 5 57	10.6	F8	..	11.7	+ 5 47	11.0	A2	..	11.9	+10 53	11.6	F2	..	12.1	+12 0	11.5	A
15	1261	11.6	+31 21	10.8	K5	..	11.7	+ 5 26	10.8	Ao	1080	11.9	+10 9	10.4	A2	1103	12.1	+11 46	10.0	A5
16	1184	11.6	+30 41	11.0	K7	1188	11.7	+ 4 56	11.0	F8	1178	11.9	+ 9 55	10.6	F8	1102	12.1	+11 23	10.0	A2
17	..	11.6	+27 4	10.3	Go	1188	11.7	+ 3 45	10.5	A2	..	11.9	+ 8 53	11.6	Fo	..	12.1	+ 8 39	11.0	Go
18	1166	11.6	+26 13	9.8	A7	1293	11.8	+33 57	10.4	F8	..	11.9	+ 8 34	10.9	A3	..	12.1	+ 8 25	11.2	F8
19	..	11.6	+24 41	11.6	Fo	1250	11.8	+32 36	9.8	A5	..	11.9	+ 7 49	11.3	B9	1223	12.1	+ 7 16	11.0	K5
20	1261	11.6	+22 45	10.0	Fo	1168	11.8	+29 28	10.5	Ao	1222	11.9	+ 7 29	10.3	A5	..	12.1	+ 7 0	11.2	Ao
21	1262	11.6	+22 28	10.9	Ko	1051	11.8	+27 43	9.7	Fo	1220	11.9	+ 7 22	10.4	F5	1190	12.1	+ 4 40	10.2	Go
22	1180	11.6	+21 14	11.6	Ko	..	11.8	+25 15	12.2	G5	..	11.9	+ 7 16	10.4	F8	1191	12.1	+ 4 20	11.0	Go
23	..	11.6	+20 14	10.6	A	..	11.8	+24 30	10.7	Go	..	11.9	+ 4 3	11.4	G5	1317	12.2	+34 12	10.2	Ao
24	..	11.6	+20 14	10.6	A	..	11.8	+24 24	11.7	G5	1053	12.0	+27 22	9.4	A5	..	12.2	+32 52	11.0	G5
25	..	11.6	+18 57	10.8	A5	..	11.8	+23 18	10.6	Ao	1171	12.0	+26 53	10.2	Ao	1187	12.2	+30 50	10.6	Ao
26	..	11.6	+17 37	10.6	Go	..	11.8	+22 35	10.5	A5	1170	12.0	+26 27	9.8	F2	..	12.2	+27 35	10.6	A2
27	1144	11.6	+15 9	9.8	A2	1263	11.8	+22 26	9.5	Bo	1199	12.0	+25 44	11.1	Ko	..	12.2	+27 14	10.7	A2
28	..	11.6	+13 2	11.2	A5	..	11.8	+21 37	10.9	Fo	1201	12.0	+25 7	10.8	Ao	1203	12.2	+25 22	10.8	A5
29	..	11.6	+12 6	11.6	Go	1181	11.8	+21 15	10.8	F8	..	12.0	+23 59	11.5	F8	..	12.2	+23 35	11.4	Ao
30	..	11.6	+11 53	11.2	F5	1351	11.8	+20 17	10.1	F2	1283	12.0	+23 49	10.5	G5	..	12.2	+21 48	11.2	A5
31	..	11.6	+11 33	11.4	Go	..	11.8	+17 46	10.8	B9	..	12.0	+23 14	11.6	Fo	1356	12.2	+20 34	10.1	B5
32	..	11.6	+10 52	11.8	A	..	11.8	+16 23	10.2	A2	1268	12.0	+22 55	10.1	F2	..	12.2	+20 25	10.2	F5
33	..	11.6	+ 5 23	11.0	G5	1230	11.8	+14 55	10.4	Ko	..	12.0	+22 28	11.6	F	..	12.2	+19 52	11.5	G5
34	..	11.6	+ 5 12	10.6	A5	1232	11.8	+14 35	9.6	F8	1269	12.0	+22 5	10.9	F8	..	12.2	+18 29	11.0	A5
35	..	11.6	+ 4 23	12.0	F5	1231	11.8	+14 13	9.9	A2	..	12.0	+21 46	10.6	G5	1162	12.2	+18 17	10.6	Ao
36	..	11.6	+ 3 42	10.4	Ao	..	11.8	+11 23	11.3	A7	1183	12.0	+21 25	11.0	K2	1145	12.2	+15 45	9.7	Ko
37	1315	11.7	+34 14	10.2	Ko	..	11.8	+11 10	11.7	Ko	1354	12.0	+20 11	11.2	Ko	..	12.2	+14 25	10.6	A3
38	1291	11.7	+33 40	10.1	F8	1079	11.8	+10 57	9.6	A2		12.0	+20 11	10.7	Go	..	12.2	+14 3	11.3	F5
39	1249	11.7	+32 21	10.8	A	..	11.8	+ 9 51	11.2	F8	..	12.0	+19 44	11.2	A	..	12.2	+13 35	11.2	F2
40	1248	11.7	+32 12	9.9	Go	..	11.8	+ 9 48	11.2	K5	1292	12.0	+19 43	10.4	B9	..	12.2	+ 9 17	10.9	Ao
41	1168	11.7	+26 9	11.2	K5	1177	11.8	+ 9 34	9.6	Ao	..	12.0	+18 12	11.0	A2	1262	12.2	+ 8 47	11.2	A2
42	1190	11.7	+24 21	11.3	K2	..	11.8	+ 9 14	11.6	G5	1077	12.0	+16 10	11.0	Go	1261	12.2	+ 8 17	11.0	F8
43	1280	11.7	+23 58	10.6	B8	..	11.8	+ 8 44	11.6	B8	..	12.0	+15 13	10.9	Go	..	12.2	+ 8 12	11.5	F2
44	1281	11.7	+23 20	10.8	F8	1219	11.8	+ 7 49	11.0	Ao	1186	12.0	+13 9	10.0	A2	..	12.2	+ 4 18	11.2	F8
45	1350	11.7	+20 25	10.6	Go	1165	11.8	+ 5 7	10.4	A3	..	12.0	+13 3	10.1	B8	1204	12.3	+25 56	9.7	Go
46	..	11.7	+18 58	11.6	G	..	11.8	+ 4 56	11.0	A3	..	12.0	+12 35	11.4	A	1205	12.3	+25 55	9.8	F2
47	..	11.7	+17 59	11.1	Ao	1189	11.8	+ 3 18	11.0	F2	1100	12.0	+11 14	10.3	B	1191	12.3	+24 35	9.8	Ao
48	1198	11.7	+17 47	10.8	G5	..	11.9	+25 57	10.9	A3	..	12.0	+ 9 31	11.1	F8	..	12.3	+23 51	11.0	Go
49	..	11.7	+16 15	10.7	F2	..	11.9	+23 13	11.2	A3	..	12.0	+ 8 36	11.4	K2	1286	12.3	+23 36	9.3	B5
50	..	11.7	+13 20	10.4	A3	1264	11.9	+22 59	10.6	F8	1169	12.0	+ 5 33	11.6	K5	1287	12.3	+23 0	10.0	B5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	12.3	+22 32	11.7	Ko	..	12.5	+24 57	11.9	G	..	12.6	+ 7 38	11.4	G	..	12.8	+13 59	10.6	A3
2	..	12.3	+17 54	11.2	A3	1194	12.5	+24 30	10.5	A5	1227	12.6	+ 7 35	10.9	G5	1096a	12.8	+12 53	10.9	Go
3	..	12.3	+14 6	10.8	Go	1195	12.5	+24 28	10.6	Ko	1187	12.6	+ 6 58	11.8	M3	..	12.8	+11 19	10.7	A
4	1094	12.3	+12 21	10.8	K2	..	12.5	+24 13	11.7	F2	1189	12.6	+ 6 8	10.8	Fo	..	12.8	+ 9 59	10.8	Ao
5	..	12.3	+11 17	11.2	G5	1273	12.5	+22 43	9.0	Bo	1188	12.6	+ 6 5	10.7	Ao	..	12.8	+ 9 27	10.8	A5
6	1081	12.3	+10 49	9.8	A2	..	12.5	+22 26	10.9	F5	..	12.6	+ 4 37	11.8	A	1266	12.8	+ 8 42	10.4	Go
7	1082	12.3	+10 8	10.6	B9	1188	12.5	+21 42	9.8	Go	1191	12.6	+ 3 4	10.0	Ao	..	12.8	+ 8 0	12.0	K5
8	1180	12.3	+ 9 52	10.7	Ao	..	12.5	+20 21	10.8	Fo	..	12.7	+34 10	11.2	Ao	..	12.8	+ 7 47	10.6	Ao
9	1179	12.3	+ 9 42	10.0	Ao	1295	12.5	+19 50	10.9	Ko	1299	12.7	+33 34	10.1	A5	..	12.8	+ 6 49	10.6	A2
10	..	12.3	+ 9 21	10.8	A5	..	12.5	+18 53	11.0	Ao	1298	12.7	+33 24	11.2	K7	..	12.8	+ 5 14	11.4	K5
11	..	12.3	+ 9 12	11.9	K7	..	12.5	+17 31	11.5	Ko	..	12.7	+31 25	10.8	A	1173	12.9	+29 25	9.4	Ko
12	..	12.3	+ 8 58	10.6	A5	..	12.5	+16 55	11.2	A	1188	12.7	+30 16	11.2	K7	..	12.9	+29 22	11.5	A
13	..	12.3	+ 8 6	11.1	Go	..	12.5	+14 57	10.2	A3	1058	12.7	+27 50	10.4	Fo	1174	12.9	+29 21	10.6	Go
14	..	12.3	+ 7 43	11.2	Fo	1236	12.5	+14 55	10.7	F8	1210	12.7	+25 56	11.7	K5	..	12.9	+29 4	10.7	A2
15	..	12.3	+ 7 29	11.0	F8	..	12.5	+11 35	10.6	Fo	..	12.7	+25 44	11.2	K2	1175	12.9	+26 30	11.3	F2
16	..	12.3	+ 6 25	11.5	A	..	12.5	+11 28	11.2	G5	1197	12.7	+24 23	10.6	Ao	1176	12.9	+26 21	10.8	A2
17	..	12.3	+ 5 43	11.6	Ko	..	12.5	+10 49	11.3	A2	1292	12.7	+23 52	10.7	K7	..	12.9	+23 24	11.5	A5
18	1192	12.3	+ 4 57	11.7	Ko	..	12.5	+ 9 42	10.5	Ao	1291	12.7	+23 51	10.7	Go	1296	12.9	+23 19	9.5	B9
19	1174	12.4	+26 49	9.8	F2	1265	12.5	+ 8 48	10.8	Ko	..	12.7	+22 18	10.7	Go	..	12.9	+22 6	11.8	Ao
20	1206	12.4	+25 9	10.8	A2	1264	12.5	+ 8 45	10.2	B9	..	12.7	+21 15	10.7	G5	..	12.9	+21 17	11.2	A5
21	1193	12.4	+24 59	11.2	Ao	..	12.5	+ 7 55	12.2	K5	1361	12.7	+20 39	11.7	K2	..	12.9	+20 17	11.2	Ao
22	1192	12.4	+24 50	10.4	Ao	..	12.5	+ 5 15	11.8	K2	1360	12.7	+20 17	10.6	Go	1365	12.9	+20 6	10.4	Ao
23	1288	12.4	+23 56	10.0	F8	..	12.5	+ 4 4	11.7	Go	1298	12.7	+19 22	9.6	Ao	..	12.9	+18 38	11.5	Fo
24	..	12.4	+22 27	11.1	A7	1190	12.5	+ 3 57	10.1	F8	..	12.7	+19 3	11.2	F8	1165	12.9	+18 27	9.9	K5
25	1271	12.4	+22 21	11.6	K2	..	12.5	+ 3 17	11.0	A5	..	12.7	+18 35	10.8	Ao	1166	12.9	+18 27	10.5	A5
26	1186	12.4	+21 52	9.1	Fo	..	12.6	+33 24	10.9	K5	1147	12.7	+15 29	10.0	F8	..	12.9	+17 38	11.6	G
27	..	12.4	+21 3	11.3	Go	1253	12.6	+32 47	10.2	A5	..	12.7	+15 19	11.1	A3	..	12.9	+15 13	10.8	Go
28	1358	12.4	+20 36	10.2	B8	1264	12.6	+31 24	9.6	Go	1146	12.7	+15 11	9.7	A2	..	12.9	+14 40	11.5	A7
29	1357	12.4	+20 19	10.3	K2	1057	12.6	+27 48	10.8	K5	..	12.7	+14 25	11.3	Ao	1107	12.9	+11 35	10.2	F8
30	1294	12.4	+19 55	11.6	K2	1056	12.6	+27 42	10.1	Go	..	12.7	+14 6	11.0	A7	..	12.9	+11 31	11.4	G5
31	..	12.4	+19 25	10.6	Go	1208	12.6	+25 33	9.2	Fo	..	12.7	+ 8 42	10.5	Ao	1106	12.9	+11 17	9.8	Fo
32	1079	12.4	+16 57	11.0	A5	1196	12.6	+24 55	11.9	A	..	12.7	+ 8 32	10.6	Go	..	12.9	+11 11	10.2	Ao
33	1078	12.4	+16 48	10.0	A2	..	12.6	+23 31	11.1	Ao	..	12.7	+ 8 8	11.5	Ao	..	12.9	+ 9 19	11.8	K2
34	*1189*	12.4	+12 59	10.2	K5	..	12.6	+22 49	11.3	A3	..	12.7	+ 8 2	11.6	Ko	..	12.9	+ 8 34	10.8	Ko
35	1095	12.4	+12 26	10.5	F2	1275	12.6	+22 10	9.3	Fo	1176	12.7	+ 5 27	10.8	Ao	1267	12.9	+ 8 23	10.7	G5
36	..	12.4	+11 53	12.0	F8	1189	12.6	+21 52	9.8	A7	..	12.8	+34 23	12.0	Mo	1178	12.9	+ 5 41	10.0	A2
37	1105	12.4	+11 14	10.4	K2	1359	12.6	+20 21	10.6	Go	1266	12.8	+31 27	10.1	A7	..	13.0	+28 19	10.9	A
38	..	12.4	+10 49	10.5	A3	1296	12.6	+19 53	9.8	F8	1172	12.8	+29 58	9.6	G5	..	13.0	+27 19	10.1	Go
39	..	12.4	+ 9 7	11.0	A2	1163	12.6	+18 48	10.9	Ko	1074	12.8	+28 1	10.8	K5	..	13.0	+22 40	11.0	A2
40	..	12.4	+ 8 19	11.0	Go	..	12.6	+18 19	11.0	F5	1059	12.8	+27 56	10.4	Go	1276	13.0	+22 23	10.1	A5
41	1225	12.4	+ 7 53	10.5	Go	1202	12.6	+17 29	11.4	F5	..	12.8	+25 10	10.8	Ao	..	13.0	+20 56	11.4	B9
42	1226	12.4	+ 7 36	10.4	G5	..	12.6	+17 19	11.8	Ko	1295	12.8	+23 25	8.8	Ao	1366	13.0	+20 35	10.9	G5
43	..	12.4	+ 7 10	11.8	K5	1201	12.6	+17 18	10.8	Go	..	12.8	+21 45	11.6	A	..	13.0	+19 9	11.7	Go
44	1185	12.4	+ 6 55	10.3	A2	1082	12.6	+16 8	10.6	K2	1364	12.8	+20 59	10.7	A2	..	13.0	+18 43	10.2	A2
45	1173	12.4	+ 5 52	10.6	G5	1081	12.6	+16 5	10.9	Ko	1363	12.8	+20 29	10.6	K5	..	13.0	+17 36	11.2	Ao
46	1172	12.4	+ 5 33	10.7	Ko	..	12.6	+12 51	10.7	A2	..	12.8	+19 44	11.0	A3	1238	13.0	+14 22	11.1	G5
47	1295	12.5	+33 43	10.6	A	1096	12.6	+12 23	10.4	Ko	..	12.8	+17 38	11.6	G	..	13.0	+13 48	10.0	A3
48	..	12.5	+29 18	11.4	A	..	12.6	+10 26	10.3	F5	1149	12.8	+15 41	9.4	A2	1190	13.0	+13 43	9.8	Fo
49	1171	12.5	+29 5	10.7	Go	..	12.6	+10 12	11.2	F8	1148	12.8	+15 35	10.5	Ko	..	13.0	+12 53	11.2	F2
50	1072	12.5	+28 58	11.0	G5	..	12.6	+ 7 49	10.8	B8	1237	12.8	+14 23	9.2	F8	1098	13.0	+12 42	10.4	Go

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254900 $6^h\ 13^m.0$ to $6^h\ 13^m.7$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1100	13.0	+12 34	9.9	Ko	1200	13.2	+24 56	11.2	K2	..	13.4	+24 26	11.8	K2	..	13.6	+27 35	10.3	Ao
2	1099	13.0	+12 11	9.6	B8	1367	13.2	+20 54	10.6	A5	1277	13.4	+22 57	10.7	F8	1064	13.6	+27 11	9.2	Ao
3	1097	13.0	+12 9	9.5	B5	..	13.2	+20 3	10.8	F8	..	13.4	+21 37	11.4	Ao	..	13.6	+25 18	12.0	K7
4	..	13.0	+10 10	10.5	A3	..	13.2	+19 25	10.9	Go	1370	13.4	+20 45	10.4	B9	1305	13.6	+23 39	9.3	B8
5	..	13.0	+10 4	11.5	A	..	13.2	+18 19	10.6	Go	..	13.4	+20 30	10.6	B9	1304	13.6	+23 20	9.1	Bo
6	..	13.0	+ 9 23	11.6	A2	..	13.2	+18 3	10.6	Ao	1301	13.4	+19 50	10.4	Ko	..	13.6	+22 49	11.5	K5
7	..	13.0	+ 7 52	11.9	A	1150	13.2	+15 53	10.6	Ao	..	13.4	+18 19	11.5	Ko	..	13.6	+22 23	10.9	Go
8	..	13.0	+ 7 4	11.0	A5	..	13.2	+14 33	10.8	Go	1173	13.4	+18 10	10.0	Ao	1193	13.6	+21 58	11.4	Ao
9	1197	13.0	+ 4 53	11.6	F5	..	13.2	+14 16	11.4	K2	1172	13.4	+18 3	10.5	Ko	..	13.6	+21 41	11.5	Go
10	..	13.0	+ 4 48	11.6	G5	1192	13.2	+13 50	9.8	B8	..	13.4	+17 58	11.0	Fo	..	13.6	+21 21	11.1	A3
11	1195	13.0	+ 4 13	9.9	A7	..	13.2	+12 19	11.6	A	..	13.4	+17 45	11.1	B9	..	13.6	+20 44	11.1	Ao
12	..	13.1	+30 3	10.6	Ao	1109	13.2	+11 29	9.8	Ao	..	13.4	+17 41	10.9	A3	..	13.6	+20 5	11.5	Ko
13	1175	13.1	+29 29	9.6	Fo	..	13.2	+11 12	10.6	A3	..	13.4	+17 36	11.6	Ko	..	13.6	+19 57	10.4	F5
14	1176	13.1	+29 15	10.8	F5	..	13.2	+11 1	11.2	A5	1086	13.4	+16 42	10.1	A2	..	13.6	+19 55	11.0	G5
15	..	13.1	+28 21	11.1	A	1084	13.2	+10 19	9.8	B9	1151	13.4	+15 19	10.6	Fo	1174	13.6	+18 40	10.4	A3
16	1061	13.1	+27 59	10.6	Ko	1083	13.2	+10 4	10.8	F8	..	13.4	+14 55	10.4	Go	1175	13.6	+18 32	9.8	F5
17	1062	13.1	+27 16	10.4	K2	..	13.2	+ 9 56	10.8	Ao	1242	13.4	+14 41	9.8	A5	*1205*	13.6	+16 59	10.6	F2
18	..	13.1	+26 50	11.7	K2	..	13.2	+ 9 31	11.0	F	..	13.4	+12 11	11.1	A5	1087	13.6	+16 17	10.0	Ko
19	..	13.1	+26 33	11.4	F5	..	13.2	+ 8 35	11.5	G	..	13.4	+12 3	11.4	F8	..	13.6	+14 56	10.6	A7
20	1199	13.1	+24 3	10.6	A5	1233	13.2	+ 7 31	10.1	Ao	..	13.4	+11 53	10.9	A2	1106	13.6	+12 55	9.6	Ko
21	1299	13.1	+23 57	9.7	A5	1180	13.2	+ 5 53	10.1	B9	..	13.4	+11 3	11.4	K2	..	13.6	+12 44	11.2	F8
22	1191	13.1	+21 48	9.3	G5	..	13.2	+ 3 55	12.0	K7	..	13.4	+10 35	11.8	A2	..	13.6	+12 33	10.8	G5
23	..	13.1	+21 45	11.0	Ao	1193	13.3	+30 20	10.5	F5	..	13.4	+ 9 40	11.8	Ko	..	13.6	+11 28	11.4	A5
24	..	13.1	+20 31	11.6	G5	1192	13.3	+30 14	10.3	Ao	1271	13.4	+ 8 58	10.4	A3	1112	13.6	+11 3	9.8	A3
25	1300	13.1	+19 57	9.8	F8	..	13.3	+29 35	10.7	Go	..	13.4	+ 8 53	11.3	A	..	13.6	+10 46	10.6	F5
26	..	13.1	+19 39	10.6	A2	1178	13.3	+29 28	10.3	Ao	1272	13.4	+ 8 31	10.8	Go	1088	13.6	+10 39	9.5	F8
27	..	13.1	+19 11	11.7	Go	1192	13.3	+21 18	11.0	Fo	1235	13.4	+ 7 47	11.9	K7	..	13.6	+ 8 55	11.0	G5
28	1168	13.1	+18 10	10.6	Ko	..	13.3	+20 8	11.5	G	..	13.4	+ 7 27	11.0	Go	..	13.6	+ 8 43	10.4	Ao
29	1239	13.1	+14 5	10.0	K2	1170	13.3	+18 37	9.8	Go	..	13.4	+ 6 13	11.0	Ao	1237	13.6	+ 7 48	10.4	A3
30	..	13.1	+13 14	11.0	K2	..	13.3	+18 35	11.0	F8	..	13.4	+ 4 2	11.6	Go	..	13.6	+ 7 34	10.3	Go
31	1193	13.1	+13 8	11.0	Go	1169	13.3	+18 0	10.2	Ao	1259	13.5	+32 24	9.7	A2	..	13.6	+ 3 47	10.7	A2
32	1191	13.1	+13 4	11.4	Ko	..	13.3	+17 29	10.8	F8	..	13.5	+26 7	11.6	Fo	1193	13.6	+ 3 1	10.0	Ao
33	1101	13.1	+12 58	10.2	Ko	1085	13.3	+16 51	10.7	Fo	1303	13.5	+23 4	10.3	A7	1179	13.7	+29 37	9.8	Ao
34	..	13.1	+12 25	10.8	A5	1240	13.3	+14 21	10.0	A3	..	13.5	+21 41	11.6	G5	..	13.7	+28 38	10.8	Ao
35	..	13.1	+12 0	11.2	A7	..	13.3	+13 57	10.5	Ao	..	13.5	+18 12	10.8	A2	1065	13.7	+27 12	9.4	Ao
36	1108	13.1	+11 40	9.6	Ko	1102	13.3	+12 57	10.9	Ko	1204	13.5	+17 26	9.9	Fo	1182	13.7	+26 4	11.0	Go
37	..	13.1	+11 10	10.8	A2	1104	13.3	+12 56	10.9	Ko	..	13.5	+15 21	11.1	Go	..	13.7	+25 26	11.4	F8
38	..	13.1	+11 6	11.1	A2	..	13.3	+11 52	11.3	Ao	..	13.5	+14 46	10.2	Ao	1214	13.7	+25 6	11.6	K5
39	..	13.1	+10 24	9.8	Ao	..	13.3	+10 42	11.0	Go	..	13.5	+14 41	11.2	F	..	13.7	+24 44	11.0	F5
40	1183	13.1	+ 9 17	9.8	B3	..	13.3	+ 8 21	10.8	A7	..	13.5	+12 12	11.0	A3	1202	13.7	+24 9	10.0	Ao
41	..	13.1	+ 8 48	10.6	A3	..	13.3	+ 7 40	11.2	A2	..	13.5	+12 1	11.0	Go	1306	13.7	+23 52	9.4	B3
42	1270	13.1	+ 8 15	10.7	K5	1234	13.3	+ 7 32	10.9	K7	..	13.5	+11 49	10.6	A5	1279	13.7	+22 53	10.8	Ko
43	1232	13.1	+ 7 25	10.4	Ko	..	13.3	+ 7 25	10.4	Go	..	13.5	+11 31	11.0	Go	1281	13.7	+22 21	9.4	B3
44	..	13.1	+ 6 55	11.6	K2	1190	13.3	+ 6 27	10.0	Ao	1086	13.5	+10 24	9.8	Ao	..	13.7	+22 8	11.4	G
45	..	13.2	+34 6	11.7	K5	..	13.3	+ 5 21	10.8	A5	1085	13.5	+10 22	10.4	Mo	1195	13.7	+21 23	10.0	Ao
46	..	13.2	+33 43	11.2	Ao	..	13.3	+ 5 14	12.0	K5	..	13.5	+ 9 0	10.8	Go	1194	13.7	+21 21	10.4	K5
47	1191	13.2	+30 5	9.8	F5	..	13.3	+ 5 2	11.8	Fo	..	13.5	+ 7 42	10.9	A2	..	13.7	+21 3	11.4	Ao
48	1063	13.2	+27 6	11.4	K7	1194	13.4	+30 54	10.2	A7	1192	13.5	+ 6 59	10.6	Mo	..	13.7	+20 16	11.1	F8
49	1212	13.2	+25 57	9.8	Ao	1179	13.4	+26 17	9.9	B5	1182	13.5	+ 5 3	11.5	Ao	..	13.7	+20 9	11.0	Ao
50	1211	13.2	+25 5	11.2	Go	1201	13.4	+24 42	11.2	A7	1077	13.6	+28 38	10.6	Ao	1302	13.7	+19 33	10.1	B9

$+3°.0$ to $+34°.0$

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H.D	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	13.7	+18 43	10.6	B9	1113	13.8	+11 25	10.1	B9	..	14.0	+10 36	11.2	A7	1094	14.2	+16 37	11.2	Go
2	..	13.7	+18 39	10.6	A2	..	13.8	+10 36	10.9	A3	..	14.0	+ 9 48	12.0	K5	1096	14.2	+16 16	10.0	A5
3	..	13.7	+18 24	10.7	B	..	13.8	+10 8	11.6	A	1187	14.0	+ 9 28	10.2	Ao	1154	14.2	+15 53	10.4	K2
4	1176	13.7	+18 9	10.8	K7	..	13.8	+ 9 46	11.8	K2	1186	14.0	+ 9 17	10.6	Go	1155	14.2	+15 31	10.8	K7
5	..	13.7	+15 44	10.9	A2	..	13.8	+ 9 34	11.2	Ao	1188	14.0	+ 5 0	10.8	Ao	1245	14.2	+14 46	9.9	Fo
6	..	13.7	+14 15	11.4	Go	1276	13.8	+ 8 35	10.7	A7	*1187*	14.0	+ 4 59	11.2	Fo	1244	14.2	+14 31	10.8	K2
7	..	13.7	+14 2	10.4	F8	..	13.8	+ 7 35	11.4	Fo	1196	14.0	+ 3 21	10.8	A5	1111	14.2	+12 57	9.6	Ko
8	1197	13.7	+13 18	11.3	Go	1194	13.8	+ 6 36	10.0	F2	1322	14.1	+34 27	11.0	F5	..	14.2	+12 40	11.0	F5
9	1198	13.7	+13 12	11.0	Ao	..	13.8	+ 6 30	10.1	Ao	1302	14.1	+33 55	10.6	B9	1112	14.2	+12 21	11.2	Ko
10	..	13.7	+12 12	10.8	A2	..	13.8	+ 5 47	11.2	Go	1198	14.1	+30 54	10.6	Ko		14.2	+12 21	11.2	A7
11	..	13.7	+11 40	10.5	Ao	..	13.8	+ 5 27	11.2	A	1181	14.1	+29 42	9.2	Go	..	14.2	+11 16	11.2	A2
12	..	13.7	+10 8	11.3	K5	71301	13.9	+33 14	10.8	K5	1182	14.1	+29 0	10.4	Ao	..	14.2	+10 1	11.0	Ko
13	..	13.7	+ 9 0	11.9	Ko	1270	13.9	+31 16	10.1	F5	1219	14.1	+25 22	9.5	Fo	..	14.2	+ 9 46	11.2	A
14	..	13.7	+ 8 49	10.9	Fo	1067	13.9	+27 1	10.6	K5	..	14.1	+24 17	10.8	Ao	..	14.2	+ 9 39	11.3	Ko
15	1275	13.7	+ 8 46	10.6	Go	1218	13.9	+25 47	11.0	K7	..	14.1	+23 55	10.9	B8	1189	14.2	+ 9 11	9.8	Fo
16	..	13.7	+ 8 40	10.7	Go	1203	13.9	+24 52	10.8	F5	..	14.1	+23 43	11.7	F8	..	14.2	+ 8 40	10.4	Ao
17	1274	13.7	+ 8 34	10.4	K5	..	13.9	+24 13	11.4	A	1283	14.1	+22 53	10.0	Ko	..	14.2	+ 8 18	11.6	Ko
18	*1238*	13.7	+ 6 59	10.7	Fo	1310	13.9	+23 53	9.6	B3	..	14.1	+22 8	11.8	A5	..	14.2	+ 8 10	11.4	A2
19	..	13.7	+ 6 51	11.2	Ao	..	13.9	+21 26	10.5	A2	1197	14.1	+21 33	9.7	B9	1278	14.2	+ 8 1	10.6	Ao
20	1185	13.7	+ 5 58	10.0	G5	1177	13.9	+18 13	10.3	A2	..	14.1	+19 39	10.6	Ao	..	14.2	+ 7 7	10.4	A2
21	1184	13.7	+ 5 49	11.1	K7	..	13.9	+18 3	11.6	A3	..	14.1	+15 29	11.3	A5	..	14.2	+ 5 45	10.3	Ao
22	..	13.7	+ 5 49	10.9	Ao	1092	13.9	+16 42	10.8	K5	..	14.1	+14 2	11.0	F8	..	14.2	+ 3 40	11.4	A3
23	1194	13.7	+ 3 47	10.3	Fo	1090	13.9	+16 28	10.4	F2	..	14.1	+13 18	10.0	Fo	1323	14.3	+34 14	11.2	Go
24	1195	13.7	+ 3 5	11.6	K7	..	13.9	+15 45	11.0	Go	..	14.1	+12 11	11.1	F5	1083	14.3	+28 17	10.6	K2
25	..	13.8	+33 48	11.9	A7	..	13.9	+15 22	10.6	F2	1117	14.1	+11 25	10.2	F8	1082	14.3	+28 6	10.3	F8
26	1300	13.8	+33 20	12.2	Mo	1153	13.9	+15 6	9.6	Ao	..	14.1	+10 20	10.8	Ao	1072	14.3	+27 38	10.0	Go
27	1269	13.8	+31 13	9.2	F8	1243	13.9	+14 28	9.7	B9	..	14.1	+ 9 4	10.8	Ao	..	14.3	+27 25	11.2	K2
28	1183	13.8	+26 23	9.6	A2	..	13.9	+14 21	11.3	G5	1240	14.1	+ 7 44	10.5	A2	1184	14.3	+26 54	10.5	G5
29	..	13.8	+26 12	11.2	A3	1107	13.9	+12 57	11.2	K2	..	14.1	+ 7 12	11.6	G	..	14.3	+26 7	11.5	A5
30	1216	13.8	+25 37	10.8	F8	..	13.9	+12 50	10.2	Fo	1197	14.1	+ 6 41	10.8	K2	..	14.3	+23 46	10.8	A2
31	..	13.8	+25 21	11.1	Go	1115	13.9	+11 58	11.3	Go	..	14.1	+ 6 22	11.0	F2	..	14.3	+23 36	11.8	K2
32	1217	13.8	+25 14	10.7	A3	1114	13.9	+11 37	11.2	Ko	1195	14.1	+ 6 20	10.1	Go	2313	14.3	+23 18	10.2	B5
33	1308	13.8	+23 47	9.9	B8	1090	13.9	+10 42	10.3	Go	1202	14.1	+ 4 7	10.0	Go	..	14.3	+23 10	10.9	B9
34	1307	13.8	+23 19	9.2	B3	1185	13.9	+ 9 39	10.2	B8	..	14.2	+33 56	10.9	B8	1285	14.3	+22 47	9.9	F8
35	..	13.8	+22 58	11.3	Go	..	13.9	+ 9 25	10.4	B3	1184	14.2	+29 5	9.6	A2	..	14.3	+22 39	10.8	Ao
36	1282	13.8	+22 53	10.8	K5	..	13.9	+ 6 49	11.7	G	1081	14.2	+28 44	9.7	Ko	..	14.3	+17 33	10.8	Go
37	..	13.8	+21 13	10.8	G	1186	13.9	+ 5 26	10.2	A5	1221	14.2	+25 54	11.5	A3	..	14.3	+16 35	11.6	A
38	1373	13.8	+20 28	9.6	Go	1197	14.0	+30 46	10.6	Go	1220	14.2	+25 28	10.4	Ao	..	14.3	+16 30	11.6	A
39	..	13.8	+20 23	11.8	A5	1079	14.0	+28 46	10.6	Ko	..	14.2	+23 58	12.2	G5	1156	14.3	+15 53	10.6	Ko
40	1372	13.8	+20 3	10.6	A3	..	14.0	+24 28	10.9	A7	..	14.2	+23 47	10.7	F8	..	14.3	+12 9	11.2	F
41	..	13.8	+19 51	11.0	Ao	1204	14.0	+24 17	10.7	Bo	1312	14.2	+23 30	10.7	F5	1119	14.3	+11 50	10.2	A3
42	..	13.8	+19 43	10.6	Go	..	14.0	+21 35	10.8	F8	1284	14.2	+22 21	10.8	A2	..	14.3	+10 44	10.2	A2
43	..	13.8	+18 54	10.8	Ao	1303	14.0	+19 55	9.9	Go	..	14.2	+21 57	11.5	A7	..	14.3	+10 33	10.6	A2
44	..	13.8	+18 41	11.0	F2	1304	14.0	+19 16	10.0	Ao	..	14.2	+21 42	11.1	Go	..	14.3	+ 9 55	11.2	K2
45	..	13.8	+18 34	11.8	G5	1207	14.0	+17 43	10.4	Ao	1374	14.2	+20 49	10.6	F8	1190	14.3	+ 9 41	10.2	A2
46	1206	13.8	+17 41	10.6	G5	1093	14.0	+16 55	10.2	Go	..	14.2	+20 29	11.6	Go	1191	14.3	+ 9 14	10.2	F8
47	..	13.8	+16 39	10.8	A7	1202	14.0	+13 2	10.2	A2	1375	14.2	+20 6	10.3	Fo	..	14.3	+ 9 7	11.0	A
48	1152	13.8	+15 1	10.7	A2	1109	14.0	+12 56	10.4	Fo	..	14.2	+18 47	11.0	F8	1277	14.3	+ 8 48	10.4	A2
49	..	13.8	+12 40	11.0	A5	1116	14.0	+11 14	10.2	K2	1095	14.2	+16 55	9.9	F5	..	14.3	+ 8 3	10.4	A2
50	..	13.8	+12 14	11.2	G5	..	14.0	+10 56	11.2	Go	1094	14.2	+16 37	10.7	Ko	..	14.3	+ 5 42	10.7	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1197	14.3	+ 3 9	10.4	A2	..	14.5	+ 7 41	11.0	F8	..	14.7	+ 5 35	10.8	A3	1192	15.0	+29 18	10.6	G5
2	1201	14.4	+30 21	10.5	F8	..	14.5	+ 6 38	11.0	Go	..	14.7	+ 3 39	11.6	A	1075	15.0	+27 5	10.8	F8
3	1186	14.4	+29 26	10.6	A2	..	14.5	+ 5 14	10.8	Ao	..	14.8	+33 22	10.7	Fo	..	15.0	+24 23	10.8	Ao
4	1185	14.4	+29 2	10.2	A3	1205	14.5	+ 4 39	10.4	K5	1263	14.8	+32 53	10.0	Go	..	15.0	+23 55	10.8	B8
5	1084	14.4	+28 24	10.6	G	..	14.5	+ 4 17	11.4	Ko	1273	14.8	+31 11	9.8	F5	1318	15.0	+23 46	10.5	Ao
6	1073	14.4	+27 45	10.9	Ko	1206	14.5	+ 4 13	10.1	G5	1205	14.8	+30 6	10.6	A	1317	15.0	+23 41	11.0	K5
7	1222	14.4	+25 14	9.3	Ao	1199	14.5	+ 3 58	10.4	G5	1189	14.8	+26 55	10.7	Ko	..	15.0	+23 13	11.2	A3
8	..	14.4	+25 8	11.8	Mo	1200	14.5	+ 3 0	12.0	Mo	1180	14.8	+18 34	9.6	A3	..	15.0	+23 2	12.3	K7
9	1207	14.4	+24 32	10.6	Ko	1303	14.6	+33 21	10.2	K2	1210	14.8	+17 26	9.6	F2	..	15.0	+22 8	11.4	G5
10	..	14.4	+23 51	12.2	K5	..	14.6	+29 31	10.2	F8	1101	14.8	+16 18	10.6	A2	1201	15.0	+21 42	10.8	G5
11	..	14.4	+23 31	11.0	F8	1211	14.6	+24 23	10.8	A5	1250	14.8	+14 10	10.4	A2	..	15.0	+21 13	11.0	A2
12	1315	14.4	+23 22	9.9	B2	..	14.6	+23 58	11.6	A2	1207	14.8	+13 30	10.1	Ao	1379	15.0	+20 42	11.6	K2
13	..	14.4	+22 5	11.9	A2	1316	14.6	+23 29	11.4	Ko	1205	14.8	+13 9	9.4	A2	..	15.0	+19 39	10.4	A5
14	1376	14.4	+20 5	10.8	G5	..	14.6	+20 15	10.5	Go	..	14.8	+12 39	10.8	F5	1211	15.0	+17 24	8.6	Ao
15	1097	14.4	+16 15	10.3	A3	1306	14.6	+19 6	10.9	Ao	1093	14.8	+10 40	10.8	G5	1251	15.0	+14 31	9.6	A3
16	1113	14.4	+12 52	9.5	A7	..	14.6	+18 34	11.5	Go	..	14.8	+10 11	10.6	Ao	1210	15.0	+13 20	10.1	G
17	..	14.4	+12 25	11.3	Ko	..	14.6	+18 21	10.8	A2	..	14.8	+ 9 56	10.6	Ao	1209	15.0	+13 19	9.8	Ao
18	1114	14.4	+12 1	11.1	K5	1209	14.6	+17 30	10.2	Ko	..	14.8	+ 9 25	10.6	B9	1094	15.0	+10 39	10.6	A2
19	1123	14.4	+11 46	9.8	A5	..	14.6	+17 30	10.9	G	..	14.8	+ 9 5	12.0	K7	1095	15.0	+10 32	10.6	G5
20	1122	14.4	+11 25	10.2	A2	1099	14.6	+16 45	10.0	Ao	..	14.8	+ 8 1	11.5	A3	..	15.0	+ 8 42	11.4	A
21	1121	14.4	+11 9	9.7	A2	1100	14.6	+16 12	9.8	A3	1242	14.8	+ 7 55	10.6	B9	..	15.0	+ 8 36	11.5	G
22	1091	14.4	+10 53	10.2	B8	1249	14.6	+14 44	9.5	K2	..	14.8	+ 6 34	11.4	A5	1244	15.0	+ 7 28	11.2	K7
23	..	14.4	+ 9 46	11.1	A5	..	14.6	+14 41	10.6	G	..	14.8	+ 5 48	11.6	Ko	..	15.0	+ 5 39	10.6	B9
24	1192	14.4	+ 9 43	9.6	Ao	..	14.6	+10 49	10.4	Ao	1195	14.8	+ 5 4	10.4	A2	1210	15.0	+ 4 1	10.8	G5
25	1279	14.4	+ 8 55	10.7	F8	1281	14.6	+ 8 58	11.0	K5	..	14.8	+ 3 26	11.6	G	1325	15.1	+34 4	10.4	A2
26	1192	14.4	+ 5 33	11.4	K2	1280	14.6	+ 8 41	10.2	Ko	1191	14.9	+29 42	9.2	B9	1208	15.1	+30 14	10.9	K7
27	1193	14.4	+ 5 4	11.8	Ko	..	14.6	+ 8 22	10.7	G5	1190	14.9	+26 3	9.7	Ko	1193	15.1	+29 17	9.6	Ao
28	1203	14.4	+ 4 17	10.4	F5	1199	14.6	+ 6 49	10.8	A3	1227	14.9	+25 25	10.8	Go	1194	15.1	+29 7	10.4	Ao
29	1198	14.4	+ 3 30	10.3	Ao	1198	14.6	+ 6 43	10.8	G5	..	14.9	+24 17	10.6	A2	1086	15.1	+28 52	11.0	Ko
30	1188	14.5	+29 0	9.6	F2	1304	14.7	+33 51	10.0	Fo	..	14.9	+23 32	11.0	A5	1088	15.1	+28 17	11.9	K5
31	1074	14.5	+27 14	11.4	K7	..	14.7	+33 41	11.0	Fo	..	14.9	+23 5	11.2	A3	1077	15.1	+27 51	10.8	K7
32	..	14.5	+25 3	11.3	F5	..	14.7	+25 29	10.8	Ao	..	14.9	+22 48	11.2	Ao	1192	15.1	+26 38	9.9	Ao
33	1209	14.5	+24 25	11.0	Ko	..	14.7	+25 0	11.6	A7	1287	14.9	+22 15	10.2	A3	..	15.1	+25 47	12.2	F5
34	1208	14.5	+24 19	10.1	A2	..	14.7	+22 17	11.2	A2	1181	14.9	+18 26	10.1	F8	1228	15.1	+25 35	10.9	Ko
35	..	14.5	+22 11	11.1	Ao	1200	14.7	+21 31	9.9	A3	1158	14.9	+15 24	10.6	K7	1229	15.1	+25 10	11.2	A2
36	1198	14.5	+21 35	9.2	A2	..	14.7	+20 45	11.4	G	..	14.9	+15 9	11.2	F8	1213	15.1	+24 42	11.7	Mo
37	1378	14.5	+20 7	10.9	K5	1307	14.7	+19 43	9.8	A3	..	14.9	+14 30	11.0	Go	1319	15.1	+23 34	10.0	A3
38	..	14.5	+20 3	11.0	F5		14.7	+19 43		F5	1208	14.9	+13 33	9.6	F8	1289	15.1	+22 36	10.5	A3
39	1208	14.5	+17 40	11.0	A2	..	14.7	+19 8	11.4	A2	..	14.9	+11 37	10.8	A2	1288	15.1	+22 1	11.2	F8
40	..	14.5	+17 40	11.0	F8	1179	14.7	+18 5	10.0	Ko	..	14.9	+11 9	10.7	A2	..	15.1	+19 34	10.8	A2
41	1098	14.5	+16 30	10.2	Ko	1157	14.7	+15 3	10.2	A7	1194	14.9	+ 9 10	10.0	A5	..	15.1	+19 16	11.0	G
42	1248	14.5	+14 51	9.4	Fo	1204	14.7	+13 3	10.0	A3	..	14.9	+ 7 32	10.8	Ao	..	15.1	+18 53	11.3	A3
43	..	14.5	+14 23	11.1	F5	..	14.7	+12 33	10.7	Fo	..	14.9	+ 7 26	11.2	A	1182	15.1	+18 49	10.6	Go
44	..	14.5	+13 21	10.4	Ao	1124	14.7	+11 6	9.7	Fo	..	14.9	+ 5 21	11.2	A2	1102	15.1	+16 52	10.1	A2
45	..	14.5	+12 50	11.2	K5	..	14.7	+10 41	10.8	A2	..	14.9	+ 4 53	11.6	G	..	15.1	+16 30	10.8	Go
46	1092	14.5	+10 25	10.4	A2	..	14.7	+10 20	10.8	Go	1201	14.9	+ 3 24	10.4	K2	..	15.1	+15 24	10.9	K5
47	..	14.5	+10 15	10.7	Fo	..	14.7	+ 9 48	10.6	B9	1324	15.0	+34 1	10.4	Go	1252	15.1	+14 58	9.9	A2
48	..	14.5	+10 1	10.4	G5	..	14.7	+ 7 35	11.2	A3	..	15.0	+33 18	10.6	K5	1125	15.1	+11 34	10.8	Go
49	1193	14.5	+ 9 51	10.6	Go	..	14.7	+ 7 8	10.9	B9	1306	15.0	+33 1	9.8	F5	1126	15.1	+11 19	10.2	B9
50	..	14.5	+ 9 30	11.0	Go	..	14.7	+ 6 4	11.0	Go	1207	15.0	+30 6	10.0	A2	..	15.1	+10 19	11.2	K7

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255500 — $6^h\ 15^m.1$ to $6^h\ 15^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1096	15.1	+10 3	10.4	K0	1218	15.3	+24 32	9.4	G5	..	15.4	+11 19	10.9	B8	..	15.6	+10 42	10.4	G5
2	..	15.1	+ 9 28	10.8	A0	..	15.3	+24 19	11.0	F5	..	15.4	+10 39	11.7	K7	..	15.6	+10 36	10.9	B8
3	..	15.1	+ 9 23	10.6	A	1292	15.3	+22 45	10.8	F5	..	15.4	+10 31	10.5	B9	..	15.6	+10 25	11.0	A3
4	..	15.1	+ 7 38	10.6	A0	..	15.3	+22 11	11.2	G5	..	15.4	+ 8 56	11.2	A2	..	15.6	+ 9 39	11.3	G5
5	1202	15.1	+ 6 2	10.8	G5	1382	15.3	+20 55	11.1	G0	1282	15.4	+ 8 51	10.4	F0	1201	15.6	+ 9 29	10.4	F8
6	1196	15.1	+ 5 47	11.0	K5	..	15.3	+20 5	10.7	F5	..	15.4	+ 6 44	11.8	A	..	15.6	+ 9 7	10.9	F
7	..	15.1	+ 4 36	10.6	K0	..	15.3	+19 16	11.1	A0	..	15.4	+ 6 20	10.8	A2	1284	15.6	+ 8 28	9.7	A0
8	1214	15.1	+ 4 33	10.4	K5	..	15.3	+19 12	10.8	A0	..	15.4	+ 5 42	11.5	F0	..	15.6	+ 7 2	11.7	K5
9	1212	15.1	+ 4 12	11.0	K5	1187	15.3	+18 52	10.1	A0	..	15.5	+28 25	10.8	A	..	15.6	+ 6 54	10.8	G0
10	..	15.1	+ 4 3	10.0	G0	1188	15.3	+18 45	10.8	G5	1078	15.5	+27 50	10.1	G0	..	15.6	+ 6 42	11.8	K5
11	1266	15.2	+32 57	10.0	A0	..	15.3	+18 31	11.4	G	..	15.5	+24 54	11.8	A3	1217	15.6	+ 4 36	11.9	M0
12	..	15.2	+29 5	10.6	F5	1213	15.3	+17 39	10.0	F0	..	15.5	+22 36	11.8	A2	..	15.7	+34 21	11.6	F8
13	1087	15.2	+28 46	10.7	A0	1106	15.3	+16 29	10.0	A0	..	15.5	+15 22	11.1	F8	1309	15.7	+33 34	9.8	K2
14	..	15.2	+26 12	11.4	G0	1104	15.3	+16 8	11.0	K0	..	15.5	+11 36	10.9	A3	1196	15.7	+29 34	10.2	A2
15	..	15.2	+26 11	11.0	F8	1160	15.3	+15 6	9.3	A2	1132	15.5	+11 20	10.0	B9	1195	15.7	+29 29	11.0	K7
16	1216	15.2	+24 55	10.8	A0	1211	15.3	+13 44	10.9	G5	..	15.5	+10 15	10.6	B9	1091	15.7	+28 45	10.9	K5
17	1214	15.2	+24 37	10.6	A3	..	15.3	+13 18	10.4	A3	..	15.5	+ 9 29	10.5	A5	..	15.7	+28 15	12.0	A7
18	1217	15.2	+24 27	9.0	A0	1116	15.3	+12 33	10.6	F0	..	15.5	+ 9 7	10.8	G	1194	15.7	+26 0	10.8	A2
19	1215	15.2	+24 25	9.8	A3	..	15.3	+12 2	11.5	K0	1283	15.5	+ 8 21	10.4	A2	1234	15.7	+25 45	10.6	F5
20	1320	15.2	+23 39	10.4	G0	1129	15.3	+11 38	9.8	M0	1248	15.5	+ 7 57	11.6	K5	1233	15.7	+25 14	11.1	A3
21	..	15.2	+21 39	10.8	A2	1099	15.3	+10 58	9.6	G0	..	15.5	+ 7 23	11.6	A	1220	15.7	+24 39	10.5	K0
22	..	15.2	+21 25	11.6	K0	1098	15.3	+10 13	9.8	A0	..	15.5	+ 7 18	10.8	G0	1219	15.7	+24 26	10.6	G5
23	1381	15.2	+20 59	10.2	A0	..	15.3	+10 0	11.4	A	..	15.5	+ 4 31	11.0	G0	..	15.7	+22 31	11.5	A0
24	..	15.2	+20 30	11.6	A5	..	15.3	+ 9 54	10.6	K2	..	15.5	+ 3 36	10.8	F0	..	15.7	+22 12	10.8	F2
25	1380	15.2	+20 17	10.4	F8	..	15.3	+ 9 20	10.8	B8	1308	15.6	+33 7	10.6	G0	1205	15.7	+21 28	10.2	F5
26	..	15.2	+20 8	11.0	A2	1203	15.3	+ 6 34	10.0	A2	1090	15.6	+28 28	9.8	A5	1206	15.7	+21 18	9.6	K2
27	1309	15.2	+19 19	10.2	F0	1204	15.3	+ 6 15	11.2	K0	1081	15.6	+27 35	9.5	G0	1312	15.7	+19 14	10.0	A5
28	1184	15.2	+18 51	10.0	B9	1276	15.4	+31 56	10.2	A0	..	15.6	+27 15	11.2	G0	1217	15.7	+17 5	10.1	G0
29	1183	15.2	+18 45	10.3	G5	..	15.4	+29 5	11.2	K5	..	15.6	+26 3	11.8	G5	..	15.7	+16 26	11.3	G0
30	1185	15.2	+18 26	10.2	F0	..	15.4	+28 24	10.6	A	..	15.6	+25 45	11.8	F8	1110	15.7	+16 19	10.6	G5
31	..	15.2	+17 55	11.4	A0	..	15.4	+27 1	11.2	A2	..	15.6	+25 23	12.0	K5	1215	15.7	+13 32	10.8	G5
32	1212	15.2	+17 13	9.4	A0	..	15.4	+26 56	11.0	G0	..	15.6	+24 10	11.9	K5	1202	15.7	+ 9 50	10.1	A7
33	..	15.2	+17 12	11.5	A	..	15.4	+26 49	11.0	A2	1321	15.6	+23 58	11.2	F5	..	15.7	+ 9 19	11.6	K
34	1103	15.2	+16 58	9.9	B5	1193	15.4	+26 41	10.8	F8	1385	15.6	+20 36	9.8	A3	..	15.7	+ 8 26	11.0	A
35	..	15.2	+14 23	11.2	A7	1231	15.4	+25 55	10.2	F5	..	15.6	+20 8	11.2	G	1250	15.7	+ 7 42	12.0	K5
36	1253	15.2	+14 5	9.6	G5	1230	15.4	+25 2	11.8	G5	..	15.6	+19 9	10.8	F2	..	15.7	+ 7 26	10.9	A2
37	..	15.2	+13 55	11.2	G	1293	15.4	+22 5	11.0	G0	..	15.6	+18 46	10.8	A0	1251	15.7	+ 7 21	10.5	K0
38	..	15.2	+13 49	11.1	F8	..	15.4	+21 12	11.3	A	..	15.6	+17 23	10.0	A0	1206	15.7	+ 6 24	10.8	G0
39	..	15.2	+12 28	10.4	A0	1384	15.4	+20 54	10.6	F5	1216	15.6	+17 21	9.9	K0	..	15.7	+ 4 41	11.9	G0
40	1127	15.2	+11 13	10.2	G0	1383	15.4	+20 52	11.4	K5	1215	15.6	+17 7	10.0	F8	1202	15.7	+ 3 51	10.3	A3
41	1097	15.2	+10 22	9.6	A2	1310	15.4	+19 33	10.3	A3	1107	15.6	+16 59	10.7	K2	..	15.7	+ 3 11	10.6	G0
42	1195	15.2	+ 9 41	10.6	K2	*1311*	15.4	+18 59	10.6	B9	1109	15.6	+16 26	10.8	G0	1221	15.8	+24 15	10.1	G0
43	..	15.2	+ 9 39	10.6	A0	..	15.4	+18 54	11.1	A	1108	15.6	+16 18	10.4	G0	1223	15.8	+24 6	9.4	A0
44	..	15.2	+ 9 18	11.3	G0	1161	15.4	+15 40	10.6	K0	1163	15.6	+15 7	10.8	A	1295	15.8	+22 38	10.5	F5
45	1196	15.2	+ 9 0	9.9	A0	..	15.4	+15 29	10.4	A5	1213	15.6	+13 43	11.2	F8	..	15.8	+20 26	11.5	A2
46	..	15.2	+ 6 52	10.8	A3	..	15.4	+15 15	10.7	F5	1214	15.6	+13 9	11.0	M0	1386	15.8	+20 11	10.4	B9
47	..	15.2	+ 4 45	10.7	G0	..	15.4	+14 36	10.2	F8	..	15.6	+13 4	10.8	G0	..	15.8	+18 52	11.5	K0
48	..	15.2	+ 4 42	10.6	G0	..	15.4	+13 47	11.2	F5	..	15.6	+11 52	11.5	F2	..	15.8	+18 16	11.4	A3
49	*1267*	15.3	+31 59	10.0	K2	1130	15.4	+11 40	11.3	A5	..	15.6	+11 28	10.8	A0	1189	15.8	+18 10	10.6	K0
50	..	15.3	+26 9	10.8	A3	1131	15.4	+11 39	11.1	K7	1134	15.6	+11 4	9.3	A3	..	15.8	+17 15	11.1	A5

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	15.8	+16 34	10.6	A2	..	16.0	+27 33	10.7	A2	1167	16.1	+15 45	10.8	G5	1279	16.3	+31 35	10.8	K2
2	1111	15.8	+16 31	10.0	Ao	1083	16.0	+27 24	10.0	Ao	1166	16.1	+15 34	10.7	Ko	..	16.3	+30 55	10.9	A
3	..	15.8	+15 15	10.8	A7	1197	16.0	+26 57	10.9	F5	1216	16.1	+13 20	10.4	A7	1199	16.3	+29 46	10.0	A2
4	1255	15.8	+14 41	10.8	A5	1196	16.0	+26 50	10.1	A2	..	16.1	+12 5	11.0	A5	..	16.3	+29 40	10.8	A
5	..	15.8	+14 14	11.2	G5	1198	16.0	+26 12	9.3	A2	1101	16.1	+10 56	9.6	Go	..	16.3	+24 19	11.6	Fo
6	..	15.8	+13 35	11.4	F5	1235	16.0	+25 1	9.9	B3	..	16.1	+ 9 10	10.8	A2	1299	16.3	+22 45	10.4	A3
7	1118	15.8	+12 32	10.5	A3	1224	16.0	+24 24	9.5	A2	1253	16.1	+ 7 32	12.0	Ko	..	16.3	+22 42	10.4	Ao
8	..	15.8	+12 0	11.2	Ao	1297	16.0	+22 14	10.2	A3	1299	16.1	+ 6 11	10.7	G5	..	16.3	+20 28	11.4	Ao
9	1135	15.8	+11 6	10.3	Ao	1298	16.0	+22 8	10.1	Ao	..	16.1	+ 5 30	11.1	G	..	16.3	+18 32	11.7	Ko
10	..	15.8	+ 8 40	11.2	G5	..	16.0	+21 55	11.2	Fo	1202	16.1	+ 5 21	9.8	B8	1193	16.3	+18 28	10.7	G5
11	..	15.8	+ 7 37	10.9	Go	..	16.0	+21 4	11.5	Ko	1221	16.1	+ 4 41	9.8	Ao	..	16.3	+18 7	10.9	Ao
12	1200	15.8	+ 5 27	10.2	A2	..	16.0	+20 9	11.1	Go	1207	16.1	+ 3 19	11.3	K8	..	16.3	+18 3	11.7	K
13	1201	15.8	+ 5 2	10.1	Go	..	16.0	+19 14	11.1	A2	..	16.2	+34 24	10.7	A7	1219	16.3	+17 52	10.0	F2
14	..	15.8	+ 4 16	11.8	G5	1315	16.0	+19 3	11.2	Ko	..	16.2	+33 12	10.6	F8	..	16.3	+17 17	11.8	K5
15	1218	15.8	+ 4 3	11.5	F	*1316*	16.0	+18 59	10.2	A2	1214	16.2	+30 14	9.7	Ao	..	16.3	+16 33	11.0	G5
16	..	15.8	+ 3 44	11.2	Ao	..	16.0	+18 50	11.2	Ao	1087	16.2	+27 9	10.4	K2	..	16.3	+16 11	11.0	A2
17	1203	15.8	+ 3 1	10.8	F5	..	16.0	+18 31	10.4	Ao	1200	16.2	+26 49	9.5	F8	..	16.3	+14 38	11.0	A2
18	..	15.9	+29 32	10.6	Ao	1191	16.0	+18 9	10.0	A3	1238	16.2	+25 17	9.6	A5	..	16.3	+14 6	11.2	A3
19	1197	15.9	+29 15	10.0	A2	..	16.0	+17 57	11.2	F5	1237	16.2	+25 8	9.6	F8	..	16.3	+11 34	10.6	Ao
20	..	15.9	+25 51	11.5	Go	1218	16.0	+17 41	10.0	A3	1226	16.2	+24 18	10.3	K5	..	16.3	+11 3	11.3	A7
21	..	15.9	+25 44	10.8	F5	1165	16.0	+15 25	9.9	G5	1227	16.2	+24 2	10.7	F8	..	16.3	+ 9 6	11.4	G5
22	..	15.9	+25 30	10.8	A3	..	16.0	+14 43	11.0	G5	1323	16.2	+23 9	10.9	F8	1292	16.3	+ 8 9	10.8	Ao
23	..	15.9	+25 28	11.6	M	..	16.0	+14 38	11.4	G	..	16.2	+19 34	11.2	A3	..	16.3	+ 6 41	11.4	G5
24	..	15.9	+23 22	11.2	F5	..	16.0	+13 14	11.4	G	..	16.2	+19 20	11.1	F5	..	16.3	+ 6 3	10.8	F2
25	..	15.9	+21 17	11.2	A3	..	16.0	+11 17	10.4	A2	..	16.2	+18 54	11.2	A5	..	16.3	+ 5 52	10.8	Ao
26	..	15.9	+21 7	10.9	A5	..	16.0	+10 45	11.2	A5	..	16.2	+17 15	11.4	Ko	1205	16.3	+ 5 39	10.6	A5
27	..	15.9	+20 59	11.6	G5	..	16.0	+10 28	10.7	A3	..	16.2	+16 16	11.0	Fo	..	16.3	+ 5 17	10.8	A5
28	1387	15.9	+20 3	9.9	A3	..	16.0	+10 13	11.2	K7	..	16.2	+15 52	11.0	A	1222	16.3	+ 4 50	11.3	K8
29	..	15.9	+19 43	11.5	Go	..	16.0	+ 9 39	11.0	G5	1168	16.2	+15 32	10.4	K5	1200	16.4	+29 59	8.8	A3
30	..	15.9	+19 12	10.6	B	..	16.0	+ 6 0	11.6	K	..	16.2	+14 30	11.0	A5	1239	16.4	+25 57	10.6	F5
31	..	15.9	+18 28	10.8	G5	..	16.0	+ 5 28	10.8	A2	1257	16.2	+14 29	11.0	F2	..	16.4	+25 26	12.3	K7
32	..	15.9	+17 23	11.4	G	..	16.0	+ 5 9	11.6	A	..	16.2	+13 48	10.8	F8	..	16.4	+25 26	11.9	A2
33	..	15.9	+17 8	11.0	F8	1219	16.0	+ 4 22	11.0	Go	1121	16.2	+12 20	10.2	B3	..	16.4	+21 58	11.5	G5
34	1164	15.9	+15 24	10.8	G5	..	16.0	+ 3 57	11.6	A	1120	16.2	+12 0	9.9	Ko	..	16.4	+19 37	10.0	Fo
35	1136	15.9	+11 14	10.8	Go	..	16.0	+ 3 41	10.2	A2	..	16.2	+10 36	10.6	A5	..	16.4	+19 36	11.0	Fo
36	..	15.9	+10 8	10.7	A3	..	16.1	+34 15	11.2	F2	1102	16.2	+10 18	10.2	B8	..	16.4	+18 49	10.8	Ao
37	..	15.9	+ 8 43	11.0	Ao	1311	16.1	+33 1	10.6	A3	..	16.2	+ 9 50	10.2	B9	..	16.4	+16 52	10.7	Ao
38	1285	15.9	+ 8 28	9.9	B9	..	16.1	+31 29	11.1	A	..	16.2	+ 9 31	11.1	A2	..	16.4	+16 8	10.5	A3
39	..	15.9	+ 8 23	11.0	K	1213	16.1	+30 33	10.2	K7	1288	16.2	+ 8 20	10.6	A2	..	16.4	+14 27	11.0	Ao
40	..	15.9	+ 6 16	11.0	A2	1198	16.1	+29 0	9.4	A2	..	16.2	+ 8 10	10.7	Ao	..	16.4	+13 5	11.3	K5
41	..	15.9	+ 5 27	10.8	A3	1093	16.1	+28 38	10.4	Ao	..	16.2	+ 7 30	11.9	A	..	16.4	+11 58	11.4	G5
42	..	15.9	+ 5 1	11.4	Ao	1199	16.1	+26 28	10.4	K2	1211	16.2	+ 6 41	10.8	Ko	1137	16.4	+11 17	10.0	F2
43	..	15.9	+ 4 56	10.9	A2	..	16.1	+25 28	11.4	Go	1210	16.2	+ 6 36	10.8	F5	1203	16.4	+ 9 24	11.2	K2
44	..	15.9	+ 4 1	11.8	A	..	16.1	+25 9	10.6	A2	..	16.2	+ 6 6	11.3	A	1290	16.4	+ 8 48	10.0	B8
45	1206	15.9	+ 3 38	10.2	Ko	1225	16.1	+24 52	10.5	Fo	1204	16.2	+ 5 7	10.6	Ao	..	16.4	+ 8 38	10.6	Ao
46	1205	15.9	+ 3 19	10.5	Ko	1207	16.1	+21 35	10.2	A5	..	16.3	+34 27	11.2	A5	..	16.4	+ 8 36	10.6	A2
47	1310	16.0	+33 11	9.7	Ao	..	16.1	+21 24	11.5	A5	..	16.3	+33 50	11.4	A7	1291	16.4	+ 8 13	10.6	B5
48	1277	16.0	+31 34	10.8	A7	1388	16.1	+20 11	11.2	A7	..	16.3	+33 33	11.9	Go	1255	16.4	+ 7 58	11.1	Go
49	1092	16.0	+28 37	10.3	G5	1389	16.1	+20 1	10.7	Go	1269	16.3	+32 58	10.7	Go	1257	16.4	+ 7 43	10.2	A3
50	..	16.0	+27 52	11.1	Go	1317	16.1	+19 45	9.8	Ko	1270	16.3	+32 24	10.5	Ko	..	16.4	+ 7 35	10.7	Ao

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		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	16.4	+ 6 46	12.0	A	1326	16.6	+23 17	11.6	K2	1223	16.7	+ 4 41	10.8	F5	..	16.9	+13 27	11.1	Fo
2	..	16.4	+ 6 38	11.5	Ko	1325	16.6	+23 12	10.4	Fo	..	16.7	+ 4 17	11.8	Ko	1109	16.9	+10 43	10.0	A2
3	..	16.4	+ 4 10	11.6	K2	..	16.6	+21 35	11.1	Ao	..	16.8	+27 17	11.0	K5	..	16.9	+10 2	10.8	F2
4	..	16.5	+34 30	11.4	G5	..	16.6	+21 31	10.8	Fo	1203	16.8	+26 27	10.2	Ao	1210	16.9	+ 9 43	11.7	K7
5	*1312*	16.5	+32 59	11.0	Ko	..	16.6	+19 5	10.6	Ao	1231	16.8	+24 6	11.7	K7	..	16.9	+ 8 40	12.0	A
6	..	16.5	+32 48	11.1	A5	1195	16.6	+18 56	10.0	A3	..	16.8	+23 55	10.6	Go	..	16.9	+ 8 36	10.8	K7
7	1201	16.5	+29 29	9.6	Ko	1194	16.6	+18 52	9.5	B9	1327	16.8	+23 34	10.4	F2	1295	16.9	+ 8 35	10.9	Ao
8	1096	16.5	+28 44	10.5	G5	..	16.6	+18 50	10.6	Ao	1328	16.8	+23 20	10.7	A2	1213	16.9	+ 6 53	10.2	A3
9	1098	16.5	+28 31	9.5	F5	..	16.6	+18 2	10.9	K5	..	16.8	+21 31	11.0	A3	..	16.9	+ 5 46	11.4	A3
10	1088	16.5	+27 31	9.4	Ao	..	16.6	+17 14	10.8	Go	..	16.8	+19 30	10.8	A2	..	16.9	+ 4 10	10.6	Go
11	..	16.5	+26 56	11.4	A3	1217	16.6	+13 58	9.8	G5	..	16.8	+18 22	11.2	Go	1212	16.9	+ 3 57	10.8	Ao
12	..	16.5	+26 36	11.1	K7	1218	16.6	+13 5	9.8	F2	..	16.8	+17 36	10.7	G5	..	17.0	+33 37	12.0	F8
13	..	16.5	+25 37	10.6	B3	1139	16.6	+11 1	10.2	Ao	1169	16.8	+15 49	11.0	K7	..	17.0	+33 27	11.4	B9
14	..	16.5	+25 20	11.6	Go	1106	16.6	+10 4	9.5	B9	1170	16.8	+15 4	10.1	K2	1280	17.0	+31 18	10.9	A
15	1229	16.5	+24 52	10.6	A3	..	16.6	+ 9 47	11.4	Ko	..	16.8	+12 18	11.1	G	1216	17.0	+30 4	9.1	A2
16	1228	16.5	+24 6	10.5	Ko	1205	16.6	+ 9 37	10.5	A2	..	16.8	+12 11	10.5	B9	1203	17.0	+29 51	9.7	G5
17	1301	16.5	+22 53	10.1	Ao	..	16.6	+ 8 57	11.4	Ao	1142	16.8	+11 5	9.9	F5	..	17.0	+27 11	11.1	F5
18	..	16.5	+21 35	11.2	A3	..	16.6	+ 6 36	10.8	B8	..	16.8	+10 10	11.0	G5	..	17.0	+26 21	11.7	G5
19	..	16.5	+21 2	11.2	F8	..	16.6	+ 6 4	12.0	A2	..	16.8	+ 9 37	10.7	F	1243	17.0	+25 25	10.6	A7
20	1319	16.5	+19 13	10.1	A3	1208	16.6	+ 5 37	10.5	F8	1209	16.8	+ 9 22	10.8	Fo	1242	17.0	+25 22	10.7	F8
21	..	16.5	+18 22	11.0	A2	1207	16.6	+ 5 3	10.2	A3	..	16.8	+ 8 46	10.6	Ao	1241	17.0	+25 8	10.6	Ko
22	..	16.5	+17 55	11.0	A3	1211	16.6	+ 3 46	10.9	Go	..	16.8	+ 8 42	11.0	A	1235	17.0	+24 49	10.8	B9
23	1221	16.5	+17 39	11.1	K7	1209	16.6	+ 3 26	10.2	K2	..	16.8	+ 8 38	10.7	A5	1233	17.0	+24 39	10.7	A5
24	..	16.5	+17 32	10.3	Ao	1210	16.6	+ 3 10	10.8	A5	..	16.8	+ 7 22	11.0	Fo	1305	17.0	+22 57	10.7	F5
25	1222	16.5	+17 12	9.8	G5	..	16.7	+33 57	11.9	F8	..	16.8	+ 7 8	10.8	Go	..	17.0	+22 16	10.8	Ao
26	1113	16.5	+16 4	11.0	Ko	1313	16.7	+33 1	10.4	Go	..	16.8	+ 6 43	9.7	A2	1212	17.0	+21 32	10.2	Ko
27	..	16.5	+15 36	10.7	Fo	1202	16.7	+26 23	11.2	G5	1211	16.8	+ 5 57	10.9	A7	1394	17.0	+20 19	10.2	F2
28	..	16.5	+14 27	10.8	A2	1240	16.7	+25 57	11.8	Ko	1224	16.8	+ 4 55	10.4	A2	..	17.0	+20 14	11.2	Ko
29	..	16.5	+11 55	11.2	A3	1302	16.7	+22 47	10.2	F2	1226	16.8	+ 4 27	10.6	A2	..	17.0	+18 42	10.9	Ao
30	1104	16.5	+10 57	9.8	B5	..	16.7	+21 45	11.6	K5	1225	16.8	+ 4 9	10.2	Ao	1115	17.0	+16 53	11.6	F5
31	1105	16.5	+10 55	10.0	A5	..	16.7	+21 6	11.2	Ao	..	16.9	+33 25	11.5	Go	..	17.0	+16 26	11.1	F8
32	1103	16.5	+10 31	10.3	G5	*1209*	16.7	+20 59	11.1	Ko	..	16.9	+27 45	9.8	Ao	1172	17.0	+15 52	11.2	Ko
33	1204	16.5	+ 9 2	10.6	A2	..	16.7	+20 54	11.4	G5	1232	16.9	+24 45	10.0	A3	..	17.0	+14 27	10.2	A3
34	1293	16.5	+ 8 52	10.0	F5	..	16.7	+20 30	11.2	Ao	1329	16.9	+23 1	11.4	F5	..	17.0	+13 21	11.0	Ao
35	..	16.5	+ 8 20	11.4	A5	..	16.7	+19 52	10.7	A2	1303	16.9	+22 55	9.6	B2	..	17.0	+11 9	11.6	A2
36	..	16.5	+ 7 50	11.4	Go	1321	16.7	+19 21	10.5	Go	..	16.9	+21 58	11.4	A7	..	17.0	+ 9 58	11.2	F
37	..	16.5	+ 7 27	11.8	Ko	1196	16.7	+18 22	11.0	Go	..	16.9	+21 48	11.6	Go	..	17.0	+ 9 32	10.8	Ao
38	..	16.5	+ 6 9	11.1	Ao	..	16.7	+18 14	11.0	G5	1210	16.9	+21 16	9.8	A2	1297	17.0	+ 8 58	10.2	Go
39	1208	16.5	+ 3 21	10.0	Ao	1219	16.7	+13 11	9.8	Ko	..	16.9	+20 53	11.2	A	..	17.0	+ 7 19	12.0	G5
40	..	16.5	+ 3 16	11.2	K5	..	16.7	+12 18	11.1	A	1392	16.9	+20 30	9.8	G5	..	17.0	+ 7 9	11.1	G5
41	1330	16.6	+34 21	11.2	Go	..	16.7	+12 13	11.2	G	1393	16.9	+20 4	10.1	G5	..	17.0	+ 6 58	11.4	A
42	..	16.6	+33 22	11.3	F8	..	16.7	+12 0	11.1	F8	1322	16.9	+19 5	10.2	Ko	1214	17.0	+ 6 56	10.8	A2
43	1273	16.6	+32 34	10.3	K5	1141	16.7	+11 52	10.4	A2	1197	16.9	+18 57	10.5	K2	..	17.0	+ 6 50	11.0	A3
44	1215	16.6	+30 27	9.8	Go	1140	16.7	+11 40	10.6	G5	..	16.9	+18 39	11.0	A2	1227	17.0	+ 4 22	10.6	K5
45	..	16.6	+27 7	11.0	Go	..	16.7	+11 19	11.0	F5	1223	16.9	+17 51	8.8	A2	1332	17.1	+34 26	11.0	Go
46	..	16.6	+25 38	10.9	A5	1206	16.7	+ 9 23	10.6	F2	1171	16.9	+15 36	9.6	A3	..	17.1	+34 0	11.3	G5
47	1230	16.6	+24 5	9.6	F8	1208	16.7	+ 9 5	10.2	A2	..	16.9	+15 25	11.0	Go	1275	17.1	+32 23	9.0	F5
48	..	16.6	+24 1	10.8	Ao	..	16.7	+ 8 19	11.3	Ao	1261	16.9	+14 35	10.2	Go	1276	17.1	+32 9	10.7	K5
49	1324	16.6	+23 43	10.6	A3	..	16.7	+ 6 59	10.9	A5	..	16.9	+14 17	11.0	A2	1281	17.1	+31 45	10.0	G5
50	..	16.6	+23 28	11.2	A2	..	16.7	+ 4 50	11.0	A3	..	16.9	+13 44	11.6	Go	1205	17.1	+29 25	10.1	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1204	17.1	+29 0	10.8	K7	..	17.2	+13 4	10.7	A5	..	17.4	+19 56	11.0	A	1218	17.6	+21 5	10.8	K2
2	..	17.1	+28 36	10.8	Ao	1144	17.2	+11 58	11.0	F5	1326	17.4	+19 27	10.8	Go	..	17.6	+21 3	10.8	Ko
3	..	17.1	+24 58	11.7	F8	1145	17.2	+11 44	9.9	A2	..	17.4	+17 54	10.8	A7	..	17.6	+20 41	11.6	A
4	1237	17.1	+24 35	9.8	Ko	..	17.2	+11 23	11.0	A2	..	17.4	+17 19	11.5	A5	..	17.6	+19 38	10.6	Go
5	1238	17.1	+24 14	10.5	Ao	..	17.2	+11 10	10.7	A2	1263	17.4	+14 3	10.8	F8	..	17.6	+19 20	11.0	F8
6	1330	17.1	+23 53	10.7	K2	1112	17.2	+10 33	11.1	G5	1125	17.4	+12 42	10.6	A2	..	17.6	+18 45	11.0	Go
7	..	17.1	+23 26	11.7	G5	..	17.2	+ 9 55	11.2	Ao	1146	17.4	+11 53	11.0	A2	1200	17.6	+18 12	10.0	A2
8	..	17.1	+22 25	11.4	Go	1258	17.2	+ 7 59	11.2	K7	..	17.4	+11 43	10.8	A3	..	17.6	+17 34	11.6	G5
9	1213	17.1	+21 12	11.4	K5	..	17.2	+ 7 53	12.2	K5	..	17.4	+11 27	11.0	K5	1119	17.6	+16 10	10.6	F8
10	..	17.1	+21 9	11.4	F8	1216	17.2	+ 6 24	10.0	A2	..	17.4	+ 7 25	10.9	A5	..	17.6	+14 3	10.4	G5
11	1395	17.1	+20 38	10.3	K2	..	17.2	+ 6 5	11.0	F8	..	17.4	+ 7 16	10.6	A3	1129	17.6	+12 10	10.4	F5
12	..	17.1	+20 33	11.0	Fo	..	17.2	+ 5 48	10.6	A2	1217	17.4	+ 6 52	10.8	Ao	..	17.6	+11 23	10.8	G
13	1396	17.1	+20 4	10.3	Fo	1333	17.3	+34 0	10.4	F5	1216	17.4	+ 3 16	11.0	A	..	17.6	+10 23	10.6	A5
14	..	17.1	+18 52	10.6	F8	1278	17.3	+32 40	9.4	Ao	1247	17.5	+25 39	10.8	A5	..	17.6	+10 10	11.0	A5
15	..	17.1	+16 36	10.4	A2	1282	17.3	+31 25	10.5	G5	1246	17.5	+25 6	10.6	A2	..	17.6	+ 8 53	10.7	Ko
16	1116	17.1	+16 12	10.8	K5	1209	17.3	+29 47	9.2	A7	1243	17.5	+24 49	11.6	K7	..	17.6	+ 8 40	10.7	B9
17	..	17.1	+14 26	10.6	F5	..	17.3	+29 15	10.3	Go	..	17.5	+23 12	11.1	F2	1220	17.6	+ 6 43	10.2	Ao
18	..	17.1	+14 7	11.0	K2	1240	17.3	+24 21	9.9	G5	1308	17.5	+22 9	10.7	Ao	1215	17.6	+ 5 17	9.6	A2
19	1220	17.1	+13 37	10.8	K5	1331	17.3	+23 29	10.3	A3	1217	17.5	+21 27	10.8	Ao	..	17.7	+34 10	11.5	G5
20	1222	17.1	+13 27	10.3	Ao	..	17.3	+18 4	10.6	K2	..	17.5	+19 9	10.8	A5	..	17.7	+28 12	10.3	Ao
21	..	17.1	+11 58	11.8	K	..	17.3	+17 36	11.6	A2	1199	17.5	+18 55	10.4	K2	..	17.7	+26 25	11.4	Ao
22	1143	17.1	+11 47	11.1	A3	..	17.3	+13 56	10.8	F8	..	17.5	+18 31	11.0	Ao	..	17.7	+26 22	10.6	A2
23	..	17.1	+11 5	10.4	F8	..	17.3	+12 44	11.2	F8	..	17.5	+17 34	11.6	Go	1248	17.7	+25 51	10.5	Ko
24	..	17.1	+10 47	10.4	F5	..	17.3	+10 30	10.6	F8	1174	17.5	+15 53	10.3	Ao	..	17.7	+25 35	11.6	G5
25	1110	17.1	+10 7	10.2	A2	..	17.3	+ 9 58	10.4	A2	..	17.5	+15 30	10.8	F8	..	17.7	+25 4	11.4	G5
26	1299	17.1	+ 8 37	10.7	F5	1212	17.3	+ 9 13	10.0	B3	1265	17.5	+14 34	10.2	A2	1311	17.7	+22 27	9.1	B8
27	..	17.1	+ 6 22	10.8	Ao	1211	17.3	+ 9 10	10.0	Ko	..	17.5	+14 32	10.6	Go	1310	17.7	+22 5	10.2	Fo
28	1314	17.2	+33 45	11.4	G5	..	17.3	+ 9 3	11.0	A2	1264	17.5	+14 17	10.3	A2	..	17.7	+20 43	11.6	A
29	1207	17.2	+29 57	10.2	G5	..	17.3	+ 8 1	11.0	Fo	1126	17.5	+12 18	9.6	F2	1400	17.7	+20 15	11.0	K2
30	1206	17.2	+29 2	10.2	Go	..	17.3	+ 7 18	10.6	F5	1128	17.5	+12 0	11.0	Go	..	17.7	+19 3	10.8	K
31	1102	17.2	+28 49	10.5	Ko	..	17.3	+ 6 1	11.0	A3	1147	17.5	+11 11	10.2	B5	..	17.7	+17 14	11.6	G5
32	..	17.2	+28 29	11.2	K5	..	17.3	+ 5 35	10.4	F5	*1214*	17.5	+ 8 59	10.3	Ao	1227	17.7	+17 7	10.0	Ko
33	..	17.2	+27 38	10.4	Ao	1213	17.3	+ 5 33	9.5	A2	1300	17.5	+ 8 53	10.9	K2	1120	17.7	+16 21	10.3	A2
34	..	17.2	+26 13	11.7	F5	1215	17.3	+ 3 31	10.2	A2	..	17.5	+ 7 36	10.8	Ko	..	17.7	+16 9	11.2	F8
35	1245	17.2	+25 34	10.2	Ao	..	17.4	+32 56	11.5	K2	..	17.5	+ 7 17	12.0	G	1266	17.7	+14 21	11.1	Ko
36	..	17.2	+25 26	12.2	A5	1217	17.4	+30 20	10.9	A3	1259	17.5	+ 7 5	10.2	Fo	1223	17.7	+13 13	10.0	Ko
37	1244	17.2	+25 9	10.0	A2	1093	17.4	+27 21	10.4	K2	1219	17.5	+ 6 58	11.2	K5	1148	17.7	+11 33	9.9	Ko
38	1239	17.2	+24 11	9.1	F5	..	17.4	+27 13	10.8	Fo	..	17.5	+ 4 10	11.2	Ko	..	17.7	+10 13	10.6	Ao
39		17.2	+24 11		A3	..	17.4	+26 11	11.8	G5	..	17.5	+ 3 33	11.9	A	..	17.7	+10 7	10.8	Go
40	..	17.2	+23 34	11.8	Go	..	17.4	+25 15	11.6	Ao	..	17.5	+ 3 5	11.4	K2	..	17.7	+ 9 22	10.3	Fo
41	1216	17.2	+21 55	11.2	K7	..	17.4	+24 42	10.6	A3	..	17.6	+33 19	11.8	F5	1215	17.7	+ 9 20	9.8	B5
42	1214	17.2	+21 28	11.0	G5	1242	17.4	+24 3	10.8	K5	1284	17.6	+31 16	10.0	Ao	..	17.7	+ 9 16	11.0	A3
43	1215	17.2	+21 23	10.8	K5	1333	17.4	+23 30	10.2	A2	1103	17.6	+28 17	10.6	Ao	..	17.7	+ 9 11	11.1	Ao
44	1323	17.2	+19 17	10.6	K7	..	17.4	+22 37	11.2	F5	..	17.6	+25 4	11.5	A3	1303	17.7	+ 8 58	9.8	B8
45	1324	17.2	+19 6	10.2	F2	1307	17.4	+22 6	9.6	Fo	1244	17.6	+24 19	10.4	B8	1302	17.7	+ 8 43	10.2	A7
46	1198	17.2	+18 44	10.5	K2	..	17.4	+21 6	11.4	Ao	..	17.6	+24 13	10.3	B9	1301	17.7	+ 8 34	11.0	K5
47	..	17.2	+16 0	11.0	Go	..	17.4	+21 1	11.3	F5	..	17.6	+24 10	10.6	Fo	..	17.7	+ 7 20	11.6	F8
48	..	17.2	+15 11	10.9	F5	1398	17.4	+20 4	10.8	A7	..	17.6	+23 48	11.2	A3	..	17.7	+ 7 7	11.5	Fo
49	1262	17.2	+14 33	9.6	A2	1397	17.4	+20 3	9.6	Fo	..	17.6	+23 34	11.4	G5	..	17.7	+ 6 19	10.8	A7
50	1221	17.2	+13 54	10.0	Ko	..	17.4	+20 2	11.6	A	1309	17.6	+22 18	10.3	G5	1217	17.7	+ 5 57	11.0	G5

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		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	17.7	+ 5 12	10.8	Ao	1114	17.9	+10 36	10.0	A3	1232	18.0	+ 4 10	11.0	K7	..	18.2	+19 31	10.8	Ao
2	..	17.7	+ 4 18	10.2	F8	..	17.9	+ 9 21	10.6	Ao	..	18.0	+ 4 9	10.6	B8	..	18.2	+15 39	11.2	F2
3	..	17.7	+ 4 14	11.1	A	..	17.9	+ 8 8	10.8	F5	..	18.1	+32 53	11.6	K2	1275	18.2	+14 50	10.4	G5
4	1217	17.7	+ 3 2	10.8	Go	..	17.9	+ 6 35	12.0	F	1211	18.1	+29 2	10.4	Go	..	18.2	+14 25	11.1	A5
5	..	17.8	+32 34	10.8	A5	1222	17.9	+ 6 27	10.2	Go	1105	18.1	+28 34	10.6	Ao	1227	18.2	+13 29	10.6	Fo
6	1279	17.8	+32 10	10.8	F8	..	17.9	+ 5 1	11.6	A2	1209	18.1	+26 5	10.2	Ao	1152	18.2	+11 34	9.9	B5
7	1218	17.8	+30 31	9.4	Ko	1231	17.9	+ 4 48	11.2	K7	1337	18.1	+23 1	11.7	K7	..	18.2	+10 25	11.0	Ao
8	1094	17.8	+27 4	10.7	F8	..	17.9	+ 3 56	10.2	Ao	1316	18.1	+22 35	10.5	Go	..	18.2	+ 9 40	10.8	B9
9	1207	17.8	+26 25	10.1	A7	1220	17.9	+ 3 27	10.8	Go	1315	18.1	+22 7	10.2	Ao	..	18.2	+ 9 16	11.0	F8
10	..	17.8	+26 0	10.8	Ao	..	18.0	+33 48	10.7	A2	1402	18.1	+20 32	10.8	Go	..	18.2	+ 8 59	10.6	K2
11	..	17.8	+25 44	11.8	A2	..	18.0	+32 53	11.3	F8	1403	18.1	+20 19	9.6	F8	..	18.2	+ 4 26	11.2	A5
12	1312	17.8	+22 9	9.9	F5	..	18.0	+32 32	10.8	B8	..	18.1	+20 8	11.1	Ao	1222	18.2	+ 3 0	10.6	F2
13	1219	17.8	+21 40	11.5	Ko	..	18.0	+32 21	11.4	Go	1331	18.1	+19 58	8.9	B3	..	18.3	+33 27	12.0	Ko
14	..	17.8	+20 29	11.2	Ao	..	18.0	+28 18	10.8	Ao	..	18.1	+17 45	11.0	A5	1281	18.3	+32 49	10.6	Fo
15	1201	17.8	+18 25	10.1	F8	1208	18.0	+26 7	10.6	G5	1231	18.1	+17 21	10.6	Ko	1287	18.3	+31 53	9.7	Ao
16	1228	17.8	+17 57	9.5	Ao	1253	18.0	+25 12	10.0	Ao	1232	18.1	+17 5	10.0	K2	1212	18.3	+29 31	10.4	Go
17	1122	17.8	+16 24	9.8	A3	..	18.0	+25 6	10.9	Ao	..	18.1	+15 15	11.3	Ko	1096	18.3	+27 33	10.3	Ao
18	1121	17.8	+16 0	10.4	A3	1246	18.0	+24 58	11.4	Ko	1179	18.1	+15 2	9.9	Ko	..	18.3	+26 22	11.8	Go
19	1177	17.8	+15 39	10.0	A5	1247	18.0	+24 35	10.6	F2	1274	18.1	+14 47	10.0	A7	..	18.3	+24 5	11.5	Ko
20	1268	17.8	+14 37	10.6	Go	..	18.0	+23 32	11.9	K5	1272	18.1	+14 17	10.1	Ko	1405	18.3	+20 55	10.2	Ao
21	1267	17.8	+14 35	9.6	F8	1313	18.0	+22 57	11.2	G5	*1226*	18.1	+12 59	10.6	F5	..	18.3	+20 28	11.4	F5
22	..	17.8	+12 43	10.4	Ao	1314	18.0	+22 29	10.2	F5	..	18.1	+12 24	10.4	Go	1332	18.3	+19 19	10.6	Ko
23	..	17.8	+11 40	10.7	A3	1221	18.0	+21 49	10.8	B9	1131	18.1	+12 1	10.4	Ko	1233	18.3	+17 55	10.3	G5
24	1149	17.8	+11 16	10.1	Mo	1220	18.0	+21 11	10.4	Fo	..	18.1	+10 20	11.0	K2	..	18.3	+17 28	11.1	Go
25	..	17.8	+10 13	11.5	Ko	..	18.0	+19 56	10.4	Fo	1216	18.1	+ 9 59	10.4	A2	1118	18.3	+10 54	9.9	A2
26	1304	17.8	+ 8 3	10.8	Fo	..	18.0	+19 34	10.8	A7	..	18.1	+ 9 57	10.8	Ko	..	18.3	+10 36	10.4	A2
27	..	17.8	+ 8 0	10.7	Ao	1329	18.0	+19 9	10.6	Go	..	18.1	+ 9 36	10.0	Ao	..	18.3	+10 17	11.2	K2
28	..	17.8	+ 7 58	11.3	Ko	..	18.0	+15 53	11.2	F8	1308	18.1	+ 8 52	10.2	A7	..	18.3	+ 8 57	10.3	B9
29	..	17.8	+ 6 40	11.8	A7	..	18.0	+14 23	10.5	A3	1309	18.1	+ 8 49	11.5	K5	..	18.3	+ 8 45	11.1	Go
30	1221	17.8	+ 6 22	10.6	A5	1225	18.0	+13 17	10.7	G5	1310	18.1	+ 8 45	10.0	Fo	..	18.3	+ 8 37	10.8	A2
31	1218	17.8	+ 5 20	11.5	G5	..	18.0	+12 10	11.2	Fo	..	18.1	+ 8 39	10.4	B9	..	18.3	+ 8 12	11.0	Ao
32	..	17.8	+ 4 27	11.2	Ao	1150	18.0	+11 50	10.7	K7	1311	18.1	+ 8 9	10.7	Fo	1263	18.3	+ 7 50	10.8	G5
33	1219	17.8	+ 3 39	10.9	K2	..	18.0	+11 36	10.4	B8	..	18.1	+ 7 31	10.6	Ao	1235	18.3	+ 4 55	11.6	A3
34	..	17.9	+33 14	11.8	F8	1117	18.0	+10 54	9.4	A7	1261	18.1	+ 7 5	11.2	Go	..	18.3	+ 4 47	10.7	A3
35	1280	17.9	+32 39	10.4	F5	..	18.0	+10 43	11.0	Ao	..	18.1	+ 5 6	10.8	A3	..	18.3	+ 4 40	10.6	A2
36	1095	17.9	+27 14	9.2	A2	1115	18.0	+10 35	10.0	K2	1233	18.1	+ 4 38	10.0	Ao	..	18.3	+ 4 20	11.1	Fo
37	1252	17.9	+25 46	11.1	K2	1116	18.0	+10 6	10.8	A	1337	18.2	+34 8	10.4	A3	1339	18.4	+34 18	10.3	Go
38	..	17.9	+24 59	11.4	Ao	..	18.0	+10 4	10.4	A5	*1338*	18.2	+33 59	10.0	Ko	..	18.4	+33 50	11.6	A3
39	1245	17.9	+24 5	10.8	F8	..	18.0	+ 9 46	10.4	A5	..	18.2	+32 7	12.1	Go	..	18.4	+33 34	11.6	Go
40	1336	17.9	+23 32	10.6	G5	..	18.0	+ 9 16	11.0	A	1286	18.2	+31 15	10.9	A	1315	18.4	+33 27	10.0	Go
41	1401	17.9	+20 42	11.0	Fo	1307	18.0	+ 8 59	10.7	A3	1106	18.2	+28 50	10.6	F8	1282	18.4	+32 53	11.4	K2
42	1327	17.9	+19 49	10.2	F8		18.0	+ 8 59	10.4	A2	..	18.2	+26 38	10.9	F8	1283	18.4	+32 53	11.4	Ko
43	1328	17.9	+19 23	10.4	G5	1306	18.0	+ 8 34	10.8	G5	1210	18.2	+26 15	10.2	F8	..	18.4	+32 21	11.4	Ko
44	..	17.9	+15 42	10.2	A3	..	18.0	+ 8 5	10.6	A2	1254	18.2	+25 54	10.6	A2	1284	18.4	+32 13	10.2	Ko
45	..	17.9	+15 35	11.0	A7	..	18.0	+ 7 38	10.7	A2	..	18.2	+25 37	11.8	G	*1285*	18.4	+31 59	11.3	Go
46	1269	17.9	+14 15	9.9	B9	1223	18.0	+ 6 39	10.8	Go	1248	18.2	+24 23	10.0	A5	1219	18.4	+30 6	8.9	Fo
47	1271	17.9	+14 14	10.0	F5	..	18.0	+ 6 37	10.6	F2	..	18.2	+23 34	11.1	G	1097	18.4	+27 46	10.8	A7
48	1224	17.9	+13 48	10.0	B9	..	18.0	+ 4 39	10.5	A2	1404	18.2	+20 27	10.8	F8	..	18.4	+27 13	11.6	F8
49	1130	17.9	+12 54	10.4	A5	..	18.0	+ 4 38	12.0	A3	..	18.2	+19 45	10.7	A3	1212	18.4	+26 24	10.8	A2
50	..	17.9	+10 46	11.6	A	..	18.0	+ 4 31	11.4	K5	..	18.2	+19 43	10.4	A2	*1250*	18.4	+23 59	9.4	Ao

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256500 — $6^h\ 18^m.4$ to $6^h\ 19^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	18.4	+22 59	11.2	Ao	..	18.5	+ 3 9	11.6	Mo	..	18.7	+15 55	11.0	Go	1289	18.9	+32 52	11.4	Ko
2	..	18.4	+21 49	11.2	Ao	..	18.6	+34 21	12.0	F8	1182	18.7	+15 15	10.6	A3	1290	18.9	+32 39	10.4	Go
3	..	18.4	+19 29	10.6	G5	..	18.6	+33 50	11.1	A2	..	18.7	+13 7	11.1	A3	1290	18.9	+31 6	10.8	K5
4	1333	18.4	+19 7	10.6	Go	1316	18.6	+33 10	10.6	Fo	1134	18.7	+12 30	10.6	F8	1112	18.9	+28 13	9.7	G5
5	..	18.4	+18 49	10.7	A2	1286	18.6	+32 16	11.7	G5	1155	18.7	+11 45	11.4	K5	..	18.9	+27 46	12.2	A3
6	1206	18.4	+18 46	10.4	Ko	1288	18.6	+31 41	10.8	G5	..	18.7	+11 32	10.2	B9	..	18.9	+26 12	11.2	A3
7	1205	18.4	+18 41	10.2	Fo	..	18.6	+27 31	11.0	A3	..	18.7	+10 31	10.5	Ao	1259	18.9	+25 57	10.7	F8
8	..	18.4	+18 12	11.5	Ko	1213	18.6	+26 57	11.1	Ko	..	18.7	+ 9 49	11.0	B9	..	18.9	+25 16	11.1	Ko
9	1153	18.4	+11 5	9.9	A5	1214	18.6	+26 57	10.7	Ko	..	18.7	+ 8 6	11.0	Go	1258	18.9	+25 4	10.8	Ko
10	1218	18.4	+ 9 29	10.4	Ao	..	18.6	+25 22	11.9	A	..	18.7	+ 8 3	9.9	B8	..	18.9	+24 7	10.4	Ao
11	..	18.4	+ 9 27	11.2	A	1339	18.6	+23 6	11.1	F8	..	18.7	+ 6 15	11.0	A3	1343	18.9	+23 54	10.0	Ko
12	1219	18.4	+ 9 22	9.8	Ao	..	18.6	+22 46	11.5	F8	..	18.7	+ 5 21	11.0	A5	1319	18.9	+22 39	11.6	Ko
13	1220	18.4	+ 9 7	10.2	A2	1318	18.6	+22 5	11.1	Fo	1226	18.7	+ 3 12	10.6	A	1337	18.9	+19 59	10.6	G5
14	..	18.4	+ 8 10	10.6	Fo	1223	18.6	+21 51	10.7	A7	1317	18.8	+33 57	9.8	Ao	1132	18.9	+16 24	10.8	A7
15	..	18.4	+ 7 24	10.6	Ao	1222	18.6	+21 1	10.2	B9	..	18.8	+33 25	11.2	B9	1138	18.9	+12 11	9.8	A2
16	..	18.4	+ 7 17	11.4	G5	..	18.6	+20 41	11.6	K5	..	18.8	+27 9	12.0	G5	1123	18.9	+10 25	11.1	B9
17	..	18.4	+ 7 8	10.7	Go	1407	18.6	+20 32	10.4	Ko	1342	18.8	+23 9	11.0	Ko	1122	18.9	+10 8	11.2	K5
18	1224	18.4	+ 6 5	9.9	G5	..	18.6	+18 49	10.8	Go	..	18.8	+22 45	12.2	K7	..	18.9	+ 9 43	11.2	B8
19	1223	18.4	+ 5 31	9.8	Ko	..	18.6	+17 9	11.0	F5	1225	18.8	+21 16	10.4	Go	..	18.9	+ 9 27	11.0	Fo
20	..	18.4	+ 5 23	11.0	Go	1127	18.6	+16 17	10.4	Fo	..	18.8	+20 33	11.3	Go	..	18.9	+ 8 19	11.0	Ao
21	1221	18.4	+ 5 20	10.6	Ao	1228	18.6	+13 2	10.6	A2	..	18.8	+19 49	11.2	A	..	18.9	+ 7 46	10.6	Ao
22	1222	18.4	+ 5 16	10.6	F5	1133	18.6	+12 50	10.0	K2	1336	18.8	+19 45	9.8	A3	..	18.9	+ 7 40	10.6	Ao
23	..	18.4	+ 3 8	11.0	Go	1154	18.6	+11 25	9.8	A3	..	18.8	+19 9	11.2	G	..	18.9	+ 7 32	10.6	Ao
24	..	18.5	+33 40	11.9	F5	1120	18.6	+10 49	9.4	F5	1208	18.8	+18 25	10.0	Ao	1268	18.9	+ 7 7	10.4	F2
25	..	18.5	+33 6	11.8	Go	1119	18.6	+10 39	10.0	B3	1129	18.8	+16 33	10.2	F8	..	18.9	+ 6 24	11.2	F8
26	..	18.5	+32 21	11.4	Go	1224	18.6	+ 9 23	9.8	Ko	1131	18.8	+16 16	10.5	Go	1228	18.9	+ 6 9	11.6	K2
27	1220	18.5	+30 39	9.8	K5	1314	18.6	+ 8 21	9.8	Bo	1130	18.8	+16 10	10.6	G	1239	18.9	+ 4 21	11.6	K7
28	1108	18.5	+28 45	9.4	A2	..	18.6	+ 8 1	10.6	B9	1277	18.8	+14 46	10.7	F2	..	19.0	+34 18	11.3	F5
29	..	18.5	+28 28	10.6	A3	1265	18.6	+ 7 19	10.6	K2	1278	18.8	+14 6	10.0	A3	..	19.0	+33 33	11.5	F8
30	..	18.5	+26 59	10.9	A3	..	18.6	+ 6 0	10.8	F8	1230	18.8	+13 33	9.8	Ao	..	19.0	+32 50	11.0	Go
31	..	18.5	+24 28	10.2	Ko	..	18.6	+ 5 37	10.4	F8	..	18.8	+13 20	11.2	F8	..	19.0	+30 45	11.2	F8
32	1252	18.5	+24 10	11.0	Ko	1224	18.6	+ 3 45	10.5	Ao	1136	18.8	+12 40	10.5	Ao	1215	19.0	+29 51	10.8	A2
33	1317	18.5	+22 27	11.6	Ko	..	18.6	+ 3 43	10.9	F5	..	18.8	+12 13	10.2	Ao	..	19.0	+27 26	11.3	F5
34	..	18.5	+21 2	11.3	A2	..	18.6	+ 3 38	11.5	Ko	..	18.8	+12 -1	11.5	A	..	19.0	+25 19	10.7	Ko
35	..	18.5	+20 35	11.1	Ao	1223	18.6	+ 3 21	10.6	Go	1156	18.8	+11 31	10.6	Ko	1256	19.0	+24 13	10.4	K5
36	1334	18.5	+19 58	10.6	F8	1225	18.6	+ 3 18	10.6	G5	..	18.8	+11 26	10.1	F8	..	19.0	+21 29	12.3	K5
37	..	18.5	+19 12	11.7	A	1288	18.7	+32 31	11.1	Ko	1121	18.8	+10 27	9.8	Ao	1226	19.0	+21 21	10.6	K5
38	..	18.5	+18 11	11.1	A2	1214	18.7	+29 29	10.2	Ao	..	18.8	+10 2	11.1	Ao	..	19.0	+21 18	11.0	K5
39	1125	18.5	+16 10	9.9	Fo	..	18.7	+27 25	11.4	A3	..	18.8	+ 9 18	11.0	F5	..	19.0	+19 25	11.1	Ao
40	1126	18.5	+16 3	10.6	Ko	..	18.7	+27 22	11.5	A2	..	18.8	+ 8 45	11.4	K5	1338	19.0	+19 23	10.0	A2
41	1180	18.5	+15 34	10.0	A2	1256	18.7	+25 33	10.6	A2	..	18.8	+ 8 12	10.7	Ao	..	19.0	+18 57	10.9	A2
42	1132	18.5	+12 3	10.6	Ko	1257	18.7	+25 33	10.8	Ao	..	18.8	+ 7 34	11.7	K	1209	19.0	+18 40	10.0	F2
43	1222	18.5	+ 9 38	10.4	Fo	1254	18.7	+24 46	10.7	K5	..	18.8	+ 7 12	11.2	F5	..	19.0	+18 22	10.6	A5
44	1221	18.5	+ 9 34	10.5	Fo	..	18.7	+24 34	10.8	A5	1226	18.8	+ 6 48	11.1	Ko	1133	19.0	+16 32	10.8	Go
45	..	18.5	+ 8 48	10.2	F5	1224	18.7	+21 10	10.2	F5	1227	18.8	+ 6 14	11.0	G5	1231	19.0	+13 55	9.7	F2
46	1312	18.5	+ 8 33	11.0	F8	..	18.7	+21 1	10.7	G5	1225	18.8	+ 6 3	10.1	Ao	1232	19.0	+13 40	10.4	F5
47	1315	18.5	+ 8 0	10.6	B9	..	18.7	+18 23	11.1	A5	..	18.8	+ 4 54	11.9	A	..	19.0	+12 8	10.6	Fo
48	1264	18.5	+ 7 41	10.8	Ko	..	18.7	+17 12	11.1	Ao	1227	18.8	+ 3 35	10.9	Ao	..	19.0	+11 25	10.4	A3
49	..	18.5	+ 6 44	12.0	K7	1128	18.7	+16 51	11.6	K	..	18.9	+34 11	10.8	Fo	1124	19.0	+10 43	11.0	G5
50	1238	18.5	+ 4 51	9.8	A2	..	18.7	+16 45	11.3	A	..	18.9	+32 57	11.9	A3	1225	19.0	+ 9 1	10.2	B5

$+3°.0$ to $+34°.0$

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H.D	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1317	19.0	+ 8 49	10.2	A2	..	19.2	+26 31	10.8	F8	..	19.3	+ 7 23	11.5	K7	..	19.5	+20 9	11.4	A2
2	..	19.0	+ 8 34	10.7	A2	..	19.2	+24 51	11.8	K	1230	19.3	+ 5 33	11.0	A2	1343	19.5	+19 33	10.8	Go
3	..	19.0	+ 7 14	11.5	F2	..	19.2	+22 59	11.3	A5	1229	19.3	+ 5 19	9.8	Ko	1344	19.5	+19 3	11.2	K5
4	1226	19.0	+ 5 58	10.0	Go	..	19.2	+22 56	11.1	Go	..	19.3	+ 4 59	10.8	A2	1342	19.5	+19 2	11.2	Ko
5	1225	19.0	+ 5 48	10.0	Ko	..	19.2	+22 8	11.1	A	..	19.3	+ 4 0	11.6	A	1137	19.5	+16 11	9.4	F2
6	1224	19.0	+ 5 32	10.2	F2	1320	19.2	+22 7	9.0	A2	..	19.3	+ 3 3	11.9	K8	1281	19.5	+14 54	9.4	B3
7	..	19.0	+ 4 56	11.0	F8	1321	19.2	+22 5	9.8	Go	..	19.4	+33 59	11.6	B9	..	19.5	+13 27	11.0	G5
8	1228	19.0	+ 3 35	11.1	Ko	1228	19.2	+21 40	11.0	Ko	1291	19.4	+32 51	10.9	K7	..	19.5	+12 21	11.6	Go
9	*1342*	19.1	+33 59	11.8	K7	1408	19.2	+20 51	11.2	F8	..	19.4	+28 55	11.5	F5	..	19.5	+12 10	10.8	F8
10	..	19.1	+32 59	11.7	Fo	1341	19.2	+19 49	9.6	G5	..	19.4	+28 32	11.8	Go	..	19.5	+11 26	11.4	Fo
11	..	19.1	+32 47	11.5	G5	..	19.2	+19 44	11.0	G5	..	19.4	+25 19	10.8	Ko	..	19.5	+11 17	11.0	Fo
12	..	19.1	+32 42	11.5	Go	..	19.2	+18 0	10.6	A3	..	19.4	+24 30	12.4	K7	..	19.5	+ 9 20	10.6	A7
13	1291	19.1	+31 22	10.8	F8	1279	19.2	+14 42	11.0	Ko	..	19.4	+21 58	11.0	K	1231	19.5	+ 9 17	10.0	Go
14	1217	19.1	+29 37	9.2	Go	..	19.2	+12 11	10.0	F5	1229	19.4	+21 39	9.2	Ko	..	19.5	+ 9 11	11.1	A7
15	1113	19.1	+28 40	10.4	K5	..	19.2	+12 4	11.4	A7	..	19.4	+17 47	10.4	Ao	..	19.5	+ 9 4	10.8	Fo
16	1215	19.1	+26 7	10.2	K2	1126	19.2	+10 43	10.9	K2	1136	19.4	+16 10	9.3	B9	..	19.5	+ 8 16	11.0	A3
17	1263	19.1	+25 51	11.8	K2	1228	19.2	+ 9 29	10.3	A2	..	19.4	+13 43	11.1	K2	..	19.5	+ 7 34	11.5	Ao
18	1262	19.1	+25 44	11.6	Fo	1227	19.2	+ 9 25	10.2	F2	..	19.4	+12 28	10.9	Go	..	19.5	+ 7 6	11.8	K5
19	1261	19.1	+25 43	11.4	Ko	..	19.2	+ 9 12	11.3	A	1127	19.4	+10 54	10.7	Ko	..	19.5	+ 6 21	10.4	A3
20	1260	19.1	+25 39	10.8	Go	..	19.2	+ 9 10	11.4	A	..	19.4	+ 9 26	10.6	F5	1223	19.6	+30 33	11.2	Go
21	1257	19.1	+24 59	11.4	K2	..	19.2	+ 9 4	10.8	Ao	..	19.4	+ 9 8	11.0	A2	1224	19.6	+30 22	9.6	K7
22	..	19.1	+23 57	10.6	K2	..	19.2	+ 7 50	11.0	A2	1230	19.4	+ 9 6	11.0	K5	..	19.6	+28 46	12.1	K5
23	..	19.1	+22 17	11.1	G	1271	19.2	+ 7 20	11.2	F8	1321	19.4	+ 8 59	10.4	Ko	1115	19.6	+28 28	11.4	Ko
24	1227	19.1	+21 33	10.0	Ko	..	19.2	+ 6 0	11.8	K5	..	19.4	+ 8 57	10.8	K2	1098	19.6	+27 55	11.8	F8
25	1339	19.1	+19 54	9.2	Bo	..	19.2	+ 5 49	10.9	A2	1320	19.4	+ 8 14	10.3	A2	1099	19.6	+27 41	10.4	F2
26	1340	19.1	+19 35	10.0	A7	..	19.2	+ 5 44	11.4	K	..	19.4	+ 7 45	11.8	K5	1218	19.6	+26 5	10.8	Go
27	..	19.1	+19 33	10.6	Go	1218	19.3	+29 12	10.4	A2	..	19.4	+ 7 11	10.4	A7	1268	19.6	+25 47	10.9	Ao
28	..	19.1	+18 34	10.6	F8	..	19.3	+27 39	11.0	F8	..	19.4	+ 6 28	11.4	A	1267	19.6	+25 36	10.1	Fo
29	..	19.1	+18 2	11.0	A2	..	19.3	+27 34	12.2	K5	..	19.4	+ 6 9	11.9	A	..	19.6	+24 27	11.7	G5
30	1234	19.1	+17 50	9.4	F5	..	19.3	+26 57	10.8	Ao	1231	19.4	+ 5 26	11.5	K2	1260	19.6	+24 4	10.5	K5
31	..	19.1	+17 4	10.9	A3	..	19.3	+26 41	11.8	A	..	19.4	+ 5 18	11.4	G5	1409	19.6	+20 35	9.4	K7
32	1134	19.1	+16 23	11.0	F5	1258	19.3	+24 44	10.4	Ao	1232	19.4	+ 5 5	11.2	G5	..	19.6	+20 5	11.4	K2
33	1183	19.1	+15 52	9.2	B9	..	19.3	+23 4	11.9	A3	1232	19.4	+ 3 21	11.4	F8	..	19.6	+19 57	10.4	F5
34	..	19.1	+15 34	11.7	K5	..	19.3	+22 25	11.4	A2	..	19.5	+32 24	11.2	Go	..	19.6	+19 20	11.4	Go
35	1233	19.1	+13 25	10.4	G5	..	19.3	+20 43	10.9	Fo	..	19.5	+32 10	11.5	Fo	1140	19.6	+16 55	10.0	A2
36	1234	19.1	+13 15	10.2	Go	..	19.3	+20 1	10.8	A3	1293	19.5	+31 28	11.4	Mo	..	19.6	+15 46	10.6	Fo
37	..	19.1	+13 9	10.6	A5	..	19.3	+19 11	11.4	A5	1114	19.5	+28 44	10.9	F8	1185	19.6	+15 25	10.8	Mo
38	..	19.1	+11 10	10.6	A3	1210	19.3	+18 32	10.4	Ko	..	19.5	+27 6	11.3	Ko	..	19.6	+14 30	10.7	A2
39	..	19.1	+10 50	10.7	A5	..	19.3	+17 42	12.0	K7	1217	19.5	+26 51	11.8	K2	..	19.6	+ 9 45	11.2	Ao
40	*1125*	19.1	+ 9 59	10.2	A2	..	19.3	+14 44	10.9	K5	..	19.5	+26 37	12.0	F5	..	19.6	+ 9 29	10.2	Fo
41	1226	19.1	+ 9 51	10.7	Ko	1236	19.3	+13 57	9.4	B8	1216	19.5	+26 37	10.4	F8	..	19.6	+ 8 40	10.8	Go
42	..	19.1	+ 8 59	11.0	G5	1141	19.3	+12 44	11.2	A3	1265	19.5	+25 19	10.6	F5	1322	19.6	+ 8 26	10.1	B8
43	1270	19.1	+ 7 34	10.8	Ao	..	19.3	+12 31	11.3	Go	1266	19.5	+25 9	10.9	K7	1323	19.6	+ 8 14	10.4	Ko
44	1269	19.1	+ 7 29	10.9	Ko	1140	19.3	+12 6	10.4	Mo	..	19.5	+24 16	11.4	K7	1272	19.6	+ 7 54	10.8	Ao
45	..	19.1	+ 6 57	11.1	A7	1161	19.3	+11 31	10.4	Ao	1259	19.5	+24 13	11.4	K5	1230	19.6	+ 6 24	9.9	F2
46	..	19.1	+ 6 26	11.1	Fo	..	19.3	+11 8	11.3	A3	..	19.5	+23 51	10.6	Ko	1233	19.6	+ 5 50	9.6	A2
47	..	19.1	+ 3 59	10.8	F2	..	19.3	+10 14	10.8	Ao	1322	19.5	+22 35	9.7	Go	..	19.6	+ 5 45	11.4	F5
48	1230	19.1	+ 3 47	10.4	Fo	..	19.3	+ 9 37	10.6	Fo	..	19.5	+21 45	10.4	A7	1243	19.6	+ 4 53	10.0	Fo
49	1319	19.2	+33 7	10.7	A2	1229	19.3	+ 9 12	10.2	A7	..	19.5	+21 31	11.2	A	1293	19.7	+32 34	10.6	Ko
50	1292	19.2	+31 58	10.2	K5	..	19.3	+ 8 47	11.3	A5	..	19.5	+21 11	11.0	Fo	..	19.7	+32 21	11.2	F8

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1219	19.7	+29 8	12.1	K7	1234	19.8	+ 3 36	10.8	B8	1235	20.0	+ 3 49	11.0	Ao	1188	20.2	+15 41	9.8	A2
2	1116	19.7	+28 4	var.	F8	..	19.9	+34 37	11.9	Ko	1344	20.1	+34 32	10.5	Go	1190	20.2	+15 5	9.1	A2
3	..	19.7	+27 52	12.0	F5	..	19.9	+34 1	11.3	Ko	1345	20.1	+34 17	10.8	K2	1189	20.2	+15 3	10.2	F8
4	1100	19.7	+27 34	11.6	K5	1294	19.9	+32 15	11.4	G5	..	20.1	+33 26	11.5	Go	..	20.2	+12 53	10.8	A2
5	..	19.7	+26 46	11.7	Ko	..	19.9	+32 0	11.2	Go	..	20.1	+33 15	10.6	A2	1145	20.2	+12 41	10.6	A7
6	1269	19.7	+25 31	10.8	Go	1220	19.9	+29 13	10.1	Go	1296	20.1	+32 24	10.4	A2	1146	20.2	+12 24	9.8	Ko
7	..	19.7	+25 24	11.4	A7	1102	19.9	+27 5	10.2	K7	1295	20.1	+32 14	10.8	Fo	1167	20.2	+11 31	10.4	K2
8	..	19.7	+25 11	10.9	Ao	1220	19.9	+26 24	11.2	Ko	..	20.1	+30 51	11.8	K5	..	20.2	+11 26	11.2	A
9	..	19.7	+24 22	11.8	K	1271	19.9	+25 38	10.2	Ao	1227	20.1	+30 43	11.1	Fo	..	20.2	+11 0	11.4	F2
10	..	19.7	+23 19	10.7	A7	1270	19.9	+25 25	10.4	K5	..	20.1	+29 42	11.3	Ao	..	✓20.2	+ 9 19	11.6	A7
11	..	19.7	+22 5	10.9	A	1262	19.9	+24 55	10.4	K5	..	20.1	+28 6	12.0	A5	1234	✓20.2	+ 9 3	10.4	A2
12	..	19.7	+21 26	10.7	Ao	..	19.9	+23 30	11.5	K	1117	20.1	+28 0	10.4	Fo	..	20.2	+ 8 20	11.4	A3
13	1212	19.7	+18 42	9.2	A7	1411	19.9	+20 50	9.9	Ao	1221	20.1	+26 37	11.8	Go	1326	20.2	+ 8 10	10.5	K2
14	..	19.7	+17 2	10.8	B8	*1410*	19.9	+19 59	10.5	Ko	1273	20.1	+25 39	10.2	G5	..	20.2	+ 7 42	10.8	Fo
15	..	19.7	+15 10	10.8	Ao	..	19.9	+17 14	10.6	A5	1274	20.1	+25 37	9.8	Go	..	20.2	+ 7 13	10.8	Ko
16	1282	19.7	+14 48	10.6	Ko	1186	19.9	+15 36	10.4	A3	1349	20.1	+23 25	9.4	Ao	1235	20.2	+ 6 26	9.8	Go
17	..	19.7	+13 28	11.0	Go	..	19.9	+14 42	10.1	A7	..	20.1	+20 17	11.6	A	..	20.2	+ 6 18	10.2	A2
18	1142	19.7	+12 31	10.6	Go	1284	19.9	+14 29	10.6	Go	1413	20.1	+20 12	10.1	K2	..	20.2	+ 3 40	11.6	F5
19	..	19.7	+11 2	11.4	A	1237	19.9	+13 56	10.0	Ao		20.1	+20 12	11.2	Ao	..	20.3	+33 8	11.6	Go
20	1129	19.7	+10 45	9.6	B8	1143	19.9	+12 18	9.3	A2	..	20.1	+19 47	11.8	K2	..	20.3	+31 8	11.7	F2
21	..	19.7	+10 36	10.5	B9	1233	19.9	+ 9 40	11.4	Mo	..	20.1	+19 36	10.7	A7	1295	20.3	+31 8	11.4	Ao
22	..	19.7	+ 9 59	11.1	Ao	..	19.9	+ 8 46	11.5	A	1287	20.1	+14 44	9.6	Ko	..	20.3	+30 48	11.5	K7
23	..	19.7	+ 9 39	11.3	A	1275	19.9	+ 7 55	10.6	A5	..	20.1	+14 24	10.6	A3	..	20.3	+30 29	12.0	A
24	..	19.7	+ 8 41	11.0	B9	1276	19.9	+ 7 3	10.4	A2	1144	20.1	+12 26	9.6	A2	1228	20.3	+30 26	11.0	A7
25	..	19.7	+ 7 35	11.5	A2	..	19.9	+ 6 4	11.7	Fo	..	✓20.1	+ 9 38	10.4	B3	1223	20.3	+29 57	10.6	A3
26	1231	19.7	+ 6 41	10.3	A3	..	19.9	+ 3 57	10.7	Ao	..	✓20.1	+ 9 18	10.6	Fo	1222	20.3	+29 1	10.3	A3
27	1232	19.7	+ 6 23	11.9	K7	..	20.0	+34 36	11.8	A	..	✓20.1	+ 9 16	10.5	A2	..	20.3	+28 30	11.9	Ao
28	..	19.7	+ 4 33	11.2	Ao	1226	20.0	+30 2	11.7	Ko	1277	20.1	+ 7 46	10.7	A7	1105	20.3	+27 15	10.0	A5
29	..	19.8	+30 43	11.6	A3	1225	20.0	+30 1	10.8	Ko	..	20.1	+ 7 43	10.8	A	..	20.3	+27 12	11.9	Mo
30	..	19.8	+29 45	11.2	G5	..	20.0	+28 52	12.2	K2	..	20.1	+ 7 17	10.8	Ao	1223	20.3	+26 17	11.6	Go
31	1101	19.8	+27 37	10.2	Fo	..	20.0	+24 23	10.8	A2	1234	20.1	+ 6 54	9.8	A7	..	20.3	+25 48	10.8	A7
32	1219	19.8	+26 38	10.6	Go	..	20.0	+23 48	11.1	G5	..	20.1	+ 4 56	11.0	A5	1351	20.3	+23 53	10.4	K2
33	..	19.8	+25 22	11.9	Ko	1235	20.0	+21 6	10.4	Ko	1248	20.1	+ 4 36	10.0	Fo	1415	20.3	+20 32	9.4	A2
34	..	19.8	+25 19	11.6	Ao	..	20.0	+19 32	11.1	Ao	1321	20.2	+33 7	11.5	A3	..	20.3	+20 28	11.2	Ao
35	1261	19.8	+24 27	10.1	Ao	1213	20.0	+18 46	9.7	F5		20.2	+33 7	11.5	K5	..	20.3	+19 47	11.0	Ao
36	1348	19.8	+23 5	10.6	G5	..	20.0	+17 35	10.8	A2	1297	20.2	+32 29	11.0	G5	..	20.3	+19 41	12.2	K8
37	1325	19.8	+22 50	9.9	Ao	1239	20.0	+17 16	10.6	Go	..	20.2	+31 40	11.5	G5	1348	20.3	+19 15	11.1	Ao
38	1324	19.8	+22 37	10.1	Go	1142	20.0	+16 49	10.1	B9	..	20.2	+31 6	11.0	A2	..	20.3	+19 1	11.6	Ao
39	..	19.8	+22 20	10.9	A	1187	20.0	+15 57	10.4	Fo	..	20.2	+31 2	11.1	Ao	..	20.3	+17 55	11.4	A
40	1346	19.8	+19 45	10.2	F5	..	20.0	+10 11	10.7	Ao	..	20.2	+29 45	11.2	A	..	20.3	+16 51	11.2	A3
41	1345	19.8	+19 30	10.4	G5	✓	20.0	+ 9 38	10.9	A3	..	20.2	+29 6	11.9	K5	..	20.3	+15 12	10.2	Fo
42	1238	19.8	+17 21	10.2	Ko	✓	20.0	+ 9 23	11.6	K7	..	20.2	+28 49	12.2	K5	..	20.3	+14 55	10.8	A7
43	1130	19.8	+10 55	9.5	B8	..	20.0	+ 8 9	11.0	Ao	..	20.2	+28 0	10.7	F5	..	20.3	+13 39	10.7	F8
44	..	19.8	+ 8 8	11.6	A3	..	20.0	+ 7 49	10.9	A3	1104	20.2	+27 43	11.4	K2	1243	20.3	+13 19	9.8	Ko
45	..	19.8	+ 7 14	11.4	A5	..	20.0	+ 6 47	10.8	A3	..	20.2	+26 52	11.2	A2	1168	20.3	+11 18	10.1	G5
46	..	19.8	+ 6 58	10.8	A7	..	20.0	+ 6 35	11.5	Ao	1222	20.2	+26 12	10.0	K2	..	20.3	+10 11	10.6	B8
47	..	19.8	+ 6 15	10.8	Ao	..	20.0	+ 6 29	11.8	A	1350	20.2	+23 54	10.2	Ao	1327	20.3	+ 8 38	10.2	A3
48	1245	19.8	+ 4 55	9.9	Ao	..	20.0	+ 5 10	11.1	A5	1236	20.2	+21 41	9.8	A2	..	20.3	+ 7 20	11.8	A2
49	..	19.8	+ 4 28	10.8	Ao	1246	20.0	+ 4 57	10.2	Fo	1414	20.2	+20 50	9.4	A7	..	20.3	+ 7 0	11.2	A
50	1244	19.8	+ 4 4	10.1	A2	1247	20.0	+ 4 44	10.2	Fo	1143	20.2	+16 23	10.2	A3	1237	20.3	+ 6 15	10.2	F8

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257100 — $6^h\ 20^m.3$ to $6^h\ 21^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1249	20.3	+ 4 55	9.8	A2		20.5	+ 9 38	10.6	F8	..	20.7	+ 4 17	11.6	A5	..	21.0	+29 2	12.0	G5
2	1347	20.4	+34 31	10.8	G5	1238	20.5	+ 6 59	10.8	G5	1240	20.7	+ 3 18	12.2	K5	1227	21.0	+26 53	9.4	A7
3	1346	20.4	+34 17	10.2	G5	..	20.5	+ 6 45	11.5	A	..	20.7	+ 3 12	11.5	K2	..	21.0	+26 37	12.0	G5
4	..	20.4	+33 0	11.4	Go	1234	20.5	+ 5 57	10.0	A5	1241	20.7	+ 3 1	10.6	Ao	1229	21.0	+26 32	10.0	Ao
5	1118	20.4	+28 18	10.9	G5	1348	20.6	+34 11	10.8	A2	1225	20.8	+29 5	10.0	A2	1277	21.0	+25 46	10.3	Go
6	..	20.4	+27 12	11.2	F2	1322	20.6	+33 35	10.0	F5	..	20.8	+28 57	11.9	Ao	1267	21.0	+24 6	10.6	K5
7	..	20.4	+26 27	11.7	G5	..	20.6	+33 15	11.6	F5	1119	20.8	+28 54	11.0	Go	1328	21.0	+22 57	10.4	Ao
8	..	20.4	+26 17	10.8	F8	1298	20.6	+32 58	9.8	Ao	1108	20.8	+27 51	10.5	F5	1329	21.0	+22 12	10.2	Ao
9	..	20.4	+26 0	11.3	Go	..	20.6	+30 4	11.6	A3	1109	20.8	+27 22	9.8	G5	1239	21.0	+21 4	10.8	Go
10	1352	20.4	+23 46	9.2	Ko	1224	20.6	+29 49	10.0	Go	..	20.8	+26 48	10.4	A5	1352	21.0	+19 44	10.3	Ko
11	..	20.4	+23 17	10.4	A2	..	20.6	+27 51	11.2	F5	..	20.8	+24 20	10.6	A2	..	21.0	+19 13	11.4	A
12	1416	20.4	+20 15	11.8	Mo	..	20.6	+27 29	11.4	A2	1265	20.8	+24 17	9.5	Ao	1217	21.0	+18 43	10.3	G5
13	1417	20.4	+20 14	11.4	K7	1107	20.6	+27 7	10.7	F5	1351	20.8	+19 54	10.2	Go	1216	21.0	+18 7	10.8	Go
14	..	20.4	+19 39	11.8	K8	..	20.6	+25 25	11.4	A7	1350	20.8	+19 28	10.5	Fo	1246	21.0	+17 46	10.2	Ko
15	1349	20.4	+19 34	11.4	K7	1353	20.6	+23 2	10.8	K2	..	20.8	+16 49	11.1	F8	1245	21.0	+17 4	10.6	F2
16	1215	20.4	+18 19	9.9	Go	..	20.6	+22 52	11.3	Ko	1196	20.8	+15 24	10.0	F8	1198	21.0	+15 31	10.0	K2
17	..	20.4	+17 50	11.0	A	..	20.6	+22 42	11.2	F5	1247	20.8	+13 9	10.0	F2	1293	21.0	+14 27	10.0	A2
18	..	20.4	+17 19	11.0	A5	1419	20.6	+20 14	10.9	Ko	1173	20.8	+11 31	10.2	F5	..	21.0	+13 31	11.4	A
19	..	20.4	+16 59	11.2	A	..	20.6	+18 37	11.5	K5	1236	20.8	+ 9 52	10.9	K5	1174	21.0	+11 53	9.8	A2
20	..	20.4	+16 3	10.7	A7	1145	20.6	+16 12	10.7	Go	..	20.8	+ 9 32	10.6	B9	1175	21.0	+11 42	9.1	B8
21	1193	20.4	+15 57	10.0	Ao	..	20.6	+15 24	10.3	A5	..	20.8	+ 8 31	11.6	A	..	21.0	+10 51	11.2	A7
22	..	20.4	+15 25	11.0	A	1291	20.6	+14 34	10.0	K2	..	20.8	+ 8 2	11.6	A	..	21.0	+ 9 34	11.3	A5
23	1194	20.4	+15 17	9.6	Fo	1290	20.6	+14 19	9.6	A2	..	20.8	+ 7 43	10.4	A2	..	21.0	+ 9 14	10.8	Ao
24	1245	20.4	+13 16	10.0	Fo	..	20.6	+12 46	11.0	Go	..	20.8	+ 6 1	10.9	F5	..	21.0	+ 9 9	10.8	A5
25	1147	20.4	+12 53	10.9	Ko	1170	20.6	+11 34	10.1	Go	..	20.9	+29 22	11.3	K7	..	21.0	+ 8 56	11.8	K2
26	..	20.4	+11 6	12.0	G5	1134	20.6	+10 38	9.8	A2	1120	20.9	+28 11	10.1	K2	..	21.0	+ 8 10	11.2	A2
27	1132	20.4	+10 54	10.0	A5	..	20.6	+ 9 22	11.7	A2	..	20.9	+27 10	11.2	Ao	..	21.0	+ 7 33	11.3	B9
28	..	20.4	+10 6	10.9	A7	..	20.6	+ 8 57	10.7	Go	..	20.9	+26 22	11.3	K2	1286	21.0	+ 7 12	10.4	B9
29	1235	20.4	+ 9 48	10.3	Ko	1299	20.7	+32 14	11.0	G5	..	20.9	+26 10	12.0	F5	1237	21.0	+ 5 31	10.3	A2
30	..	20.4	+ 7 12	11.0	A2	1297	20.7	+31 40	10.8	Ao	*1226*	20.9	+25 59	9.6	A2	..	21.0	+ 4 5	11.5	A5
31	1250	20.4	+ 4 14	9.9	A7	*1230*	20.7	+29 59	10.7	A2	1266	20.9	+24 25	9.8	Ao	..	21.1	+33 5	11.7	Go
32	1296	20.5	+31 7	10.2	F8	1275	20.7	+25 2	9.4	F2	1421	20.9	+20 47	11.0	Ao	1301	21.1	+32 41	10.1	F5
33		20.5	+31 7		A5	1354	20.7	+23 5	9.3	G5		20.9	+20 47	10.6	F5	..	21.1	+29 6	12.0	Ko
34	..	20.5	+29 37	11.6	Ko	..	20.7	+22 10	11.0	Ao	..	20.9	+19 0	12.1	M2	1227	21.1	+29 0	12.3	K2
35	..	20.5	+29 12	12.0	A3	1243	20.7	+17 46	11.4	K8	..	20.9	+17 21	11.0	Go	1121	21.1	+28 50	10.9	Ko
36	..	20.5	+28 31	12.0	Ao	..	20.7	+17 46	11.6	K7	1146	20.9	+16 32	10.6	K7	..	21.1	+28 24	11.3	A3
37	..	20.5	+25 42	10.8	Ao	..	20.7	+14 3	11.0	Fo	1147	20.9	+16 12	10.6	Ko	1111	21.1	+27 34	10.6	Go
38	..	20.5	+23 17	11.1	A7	1151	20.7	+12 27	9.8	Ko	1292	20.9	+14 30	10.2	K5	1230	21.1	+26 45	10.2	F8
39	1237	20.5	+21 14	11.2	Ko	..	20.7	+12 18	10.8	F5	1248	20.9	+13 21	10.2	F2	..	21.1	+23 43	11.8	A
40	..	20.5	+20 26	11.6	A	..	20.7	+ 9 46	10.2	A2	1135	20.9	+10 37	10.1	F8	..	21.1	+22 38	11.2	Ko
41	..	20.5	+18 46	10.9	A2	..	20.7	+ 9 29	11.2	A5	..	20.9	+ 9 36	11.6	A	..	21.1	+20 49	10.6	Ao
42	..	20.5	+16 40	11.8	A2	1331	20.7	+ 8 43	10.0	B9	1237	20.9	+ 9 7	10.2	A7	1218	21.1	+18 8	11.5	K3
43	1144	20.5	+16 3	10.3	F8	..	20.7	+ 8 36	10.8	F5	1284	20.9	+ 7 43	10.2	A2	1149	21.1	+16 57	10.3	F8
44	..	20.5	+15 23	10.3	A5	..	20.7	+ 8 30	11.7	A5	..	20.9	+ 7 14	11.2	A	1150	21.1	+16 52	10.8	F5
45	1244	20.5	+13 41	9.8	Mo	1330	20.7	+ 8 24	10.5	Fo	1240	20.9	+ 6 43	10.8	K5	..	21.1	+16 46	10.7	A3
46	1246	20.5	+13 30	11.1	Ko	..	20.7	+ 8 4	11.4	Ao	..	20.9	+ 6 41	10.8	Ao	..	21.1	+16 15	11.0	Ao
47	..	20.5	+13 11	10.6	Go	..	20.7	+ 7 33	11.2	Ao	..	20.9	+ 5 9	11.6	Ko	1199	21.1	+15 51	10.0	A7
48	1150	20.5	+12 45	10.0	Go	1282	20.7	+ 7 12	10.4	Go	..	20.9	+ 4 49	11.2	Go	1249	21.1	+13 59	9.8	Ko
49	1149	20.5	+12 5	10.7	K2	1283	20.7	+ 7 10	10.4	A2	..	21.0	+30 34	12.2	Mo	..	21.1	+13 27	10.6	F2
50	1133	20.5	+10 37	10.6	K5	1239	20.7	+ 6 55	10.1	A2	1231	21.0	+30 20	10.5	Go	1176	21.1	+11 54	9.9	A2

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1136	21.1	+10 22	10.8	A5	..	21.3	+30 2	12.2	A5	1245	21.4	+ 3 51	10.2	K2	1252	21.6	+13 47	11.0	A5
2	..	21.1	+ 9 33	11.6	K7	1113	21.3	+27 34	10.4	Ao	1325	21.5	+33 28	10.2	F5	1253	21.6	+13 26	9.9	F5
3	..	21.1	+ 9 12	11.0	K2	1232	21.3	+26 28	10.4	A5	1326	21.5	+33 1	9.2	A2	1157	21.6	+12 45	11.2	Go
4	..	21.1	+ 8 16	11.2	Ao	1233	21.3	+26 0	9.6	F5	..	21.5	+31 47	11.4	F5	..	21.6	+ 8 54	11.0	Fo
5	..	21.1	+ 7 46	11.5	Fo	..	21.3	+25 37	10.4	A2	..	21.5	+30 26	10.8	F8	1291	21.6	+ 7 40	10.2	A5
6	...	21.1	+ 7 25	11.6	F8	1268	21.3	+24 35	9.9	Ko	1122	21.5	+28 28	10.0	A2	..	21.6	+ 6 35	11.0	Ao
7	1289	21.1	+ 7 8	10.9	Ko	1269	21.3	+24 16	11.8	K7	..	21.5	+28 11	11.4	A3	..	21.6	+ 5 24	10.8	F8
8	..	21.1	+ 5 59	11.0	F5	1357	21.3	+23 46	10.6	K2	1115	21.5	+27 40	10.6	A3	..	21.7	+33 36	12.0	A3
9	..	21.1	+ 5 15	11.4	A	1332	21.3	+22 26	10.6	Ko	..	21.5	+26 59	11.1	A5	..	21.7	+33 8	11.0	A2
10	1238	21.1	+ 5 8	11.6	K7	..	21.3	+18 30	11.2	Ao	..	21.5	+25 48	11.7	F8	..	21.7	+32 41	11.4	Go
11	..	21.1	+ 3 58	11.0	F5	1220	21.3	+18 2	10.2	Ao	1280	21.5	+25 24	10.9	K5	..	21.7	+30 15	11.6	A5
12	..	21.1	+ 3 34	11.2	Go	..	21.3	+17 45	11.1	A2	1358	21.5	+23 3	10.4	Ao	1234	21.7	+30 11	11.5	F8
13	1243	21.1	+ 3 11	10.3	F5	..	21.3	+17 17	10.6	Go	..	21.5	+23 0	11.5	A	..	21.7	+29 8	11.8	F8
14	1242	21.1	+ 3 0	10.8	A7	..	21.3	+14 44	10.4	F5	1334	21.5	+22 53	11.4	K7	..	21.7	+28 1	11.8	G5
15	1324	21.2	+33 40	11.8	F8	1153	21.3	+12 1	9.8	A2	1354	21.5	+19 31	11.2	Ko	..	21.7	+26 31	10.8	A2
16	1323	21.2	+33 11	9.5	F5	1179	21.3	+11 0	8.9	B3		21.5	+19 31	10.6	Ko	1237	21.7	+26 21	10.9	F5
17	1298	21.2	+31 6	11.6	G5	..	21.3	+10 19	10.9	A	..	21.5	+16 36	10.9	Go	1271	21.7	+24 23	9.8	Ko
18	1229	21.2	+29 19	12.0	K5	1238	21.3	+ 9 44	9.8	Ao	1156	21.5	+12 35	10.2	A5	1425	21.7	+20 57	11.0	Go
19	..	21.2	+29 5	11.8	A3	1239	21.3	+ 9 0	11.0	K2	..	21.5	+12 28	10.9	Go	1424	21.7	+20 0	10.0	K2
20	..	21.2	+27 14	11.8	Ao	1334	21.3	+ 8 47	9.4	A3	..	21.5	+11 53	10.7	A3	..	21.7	+19 53	11.0	Go
21	1112	21.2	+27 9	12.0	K2	1290	21.3	+ 7 10	9.9	Fo	1138	21.5	+10 55	9.1	B8	..	21.7	+19 51	11.0	Ko
22	..	21.2	+26 39	11.8	G5	1241	21.3	+ 6 29	10.1	B8	..	21.5	+10 52	10.6	A5	1355	21.7	+19 3	11.6	Fo
23	..	21.2	+26 18	11.9	F8	..	21.3	+ 5 56	11.2	K5	1336	21.5	+ 8 44	10.0	A2	1222	21.7	+18 20	9.0	B9
24	1231	21.2	+26 5	10.8	F8	..	21.4	+32 4	11.9	F5	1338	21.5	+ 8 5	10.1	Ao	1202	21.7	+15 11	10.0	Ko
25	..	21.2	+25 46	11.2	G5	..	21.4	+31 25	11.8	A7	..	21.5	+ 6 51	10.8	Go	1298	21.7	+14 42	10.0	A5
26	1279	21.2	+25 12	11.6	K7	1114	21.4	+27 49	12.0	K2	..	21.5	+ 3 44	11.7	A	1297	21.7	+14 7	11.0	Mo
27	..	21.2	+24 41	10.9	A	..	21.4	+27 26	12.0	G5	1249	21.5	+ 3 27	10.0	B9	..	21.7	+12 52	11.3	F8
28	..	21.2	+24 9	10.8	Ao	1234	21.4	+26 56	10.2	Ao	1327	21.6	+33 3	9.6	G5	1181	21.7	+11 20	10.2	A7
29	..	21.2	+23 39	10.6	Ao	..	21.4	+26 42	11.9	Go	1300	21.6	+31 3	10.7	B9	1243	21.7	+ 9 27	9.8	Go
30	..	21.2	+23 38	10.6	G5	1235	21.4	+26 38	12.0	K5	1233	21.6	+30 22	10.5	F5	..	21.7	+ 9 15	11.0	Ao
31	1331	21.2	+22 3	9.1	Ko	1333	21.4	+22 38	10.6	Fo	..	21.6	+29 42	11.6	K5	..	21.7	+ 8 59	10.5	A2
32	1240	21.2	+21 32	10.8	Ko	..	21.4	+21 59	10.6	Ko	1230	21.6	+29 21	10.0	B9	1339	21.7	+ 8 28	10.0	A3
33	..	21.2	+20 58	11.2	G5	..	21.4	+21 31	10.6	Ao	..	21.6	+29 10	10.3	A2	..	21.7	+ 7 56	10.8	F2
34	..	21.2	+20 34	10.7	B9	..	21.4	+21 15	11.4	Ao	1124	21.6	+28 1	10.7	Ko	..	21.7	+ 7 17	11.1	Go
35	..	21.2	+19 11	11.4	A	1422	21.4	+20 26	10.0	Fo	1236	21.6	+26 28	10.7	F8	1292	21.7	+ 7 14	10.6	A3
36	1219	21.2	+18 44	9.8	Go	1353	21.4	+19 2	11.0	A2	..	21.6	+23 26	11.0	A	1244	21.7	+ 6 52	10.4	F5
37	1248	21.2	+17 51	9.6	A2	1221	21.4	+18 0	9.8	Fo	1359	21.6	+23 13	10.4	G5	1241	21.7	+ 5 57	11.2	G5
38	1294	21.2	+14 8	10.8	K7	..	21.4	+17 14	10.9	F2	1336	21.6	+22 33	9.8	Ao	..	21.7	+ 3 40	11.5	F8
39	..	21.2	+13 50	10.8	F2	*1249*	21.4	+16 59	10.2	F5	..	21.6	+22 29	10.3	A	1303	21.8	+32 4	10.8	A2
40	..	21.2	+13 14	11.0	A2	1154	21.4	+12 47	9.6	A5	1243	21.6	+21 58	9.5	F8	1236	21.8	+30 36	11.0	G5
41	..	21.2	+12 27	11.7	Fo	..	21.4	+12 35	11.1	F5	..	21.6	+19 39	11.0	F8	1235	21.8	+30 29	8.9	Ao
42	*1152*	21.2	+11 59	9.6	B9	1155	21.4	+12 5	10.3	G5	..	21.6	+18 4	11.0	Ko	1237	21.8	+30 7	10.4	A2
43	1177	21.2	+11 35	10.8	K2	1241	21.4	+ 9 58	9.9	Ao	1250	21.6	+17 55	9.6	Ao	1232	21.8	+29 42	10.0	Ao
44	1137	21.2	+10 29	10.5	F8	1242	21.4	+ 9 30	10.6	K2	1251	21.6	+17 34	10.2	A5	..	21.8	+28 56	11.3	A7
45	..	21.2	+ 8 16	11.2	A	1337	21.4	+ 8 10	10.0	B8	..	21.6	+17 21	11.7	F	..	21.8	+27 48	11.6	A5
46	1239	21.2	+ 5 17	11.0	A7	..	21.4	+ 7 20	11.2	A	..	21.6	+16 46	10.6	A5	1272	21.8	+24 56	10.0	A2
47	1244	21.2	+ 3 15	10.2	Go	..	21.4	+ 7 12	11.3	A	..	21.6	+15 18	10.6	G5	..	21.8	+23 36	11.4	F
48	1352	21.3	+34 22	11.8	Ko	1243	21.4	+ 6 51	10.2	G5	..	21.6	+15 15	10.4	Ao	1426	21.8	+20 51	9.4	Go
49	..	21.3	+33 39	11.8	A5	..	21.4	+ 5 51	11.2	A	..	21.6	+15 3	10.4	A5	1356	21.8	+19 33	10.4	A3
50	..	21.3	+33 26	10.8	A3	1240	21.4	+ 5 22	10.2	Ko	..	21.6	+14 41	10.2	A3	1223	21.8	+18 26	9.9	Ao

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257500 — $6^h\ 21^m.8$ to $6^h\ 22^m.3$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1252	21.8	+17 25	9.7	G5	1257	21.9	+ 4 53	10.6	Ko	..	22.1	+23 26	10.8	A	..	22.2	+21 36	10.9	Go
2	..	21.8	+13 40	10.9	F	1252	21.9	+ 3 27	10.8	Fo	1340	22.1	+22 53	11.1	K2	..	22.2	+21 22	11.2	K5
3	1158	21.8	+12 58	11.2	Go	1330	22.0	+33 24	10.1	G5	..	22.1	+22 42	10.3	Ao	..	22.2	+21 6	10.5	Ao
4	..	21.8	+11 30	11.3	A	..	22.0	+32 34	11.8	Ko	1339	22.1	+22 6	11.1	K5	..	22.2	+16 27	11.2	Ao
5	1139	21.8	+10 30	10.3	Fo	..	22.0	+29 47	12.2	K7	1431	22.1	+20 8	10.2	Ao	1256	22.2	+13 21	11.1	K2
6	..	21.8	+10 14	11.1	K5	..	22.0	+29 21	12.4	K2	1430	22.1	+20 4	9.8	Ao	..	22.2	+11 41	10.8	F2
7	1340	21.8	+ 8 36	9.8	Ko	..	22.0	+28 52	11.2	Ao	1358	22.1	+19 57	11.3	K8	..	22.2	+11 25	11.2	Fo
8	1342	21.8	+ 8 4	10.6	Ao	..	22.0	+28 36	12.0	A5	..	22.1	+19 49	11.2	A	..	22.2	+11 20	10.5	A3
9	..	21.8	+ 7 27	10.7	A2	..	22.0	+28 1	11.4	Go	1357	22.1	+19 14	10.0	A2	1142	22.2	+10 20	10.1	F8
10	..	21.8	+ 7 12	10.6	Ao	1275	22.0	+24 40	10.2	G5	..	22.1	+18 4	11.2	A2	1246	22.2	+ 9 55	10.2	B9
11	1245	21.8	+ 6 43	10.2	Go	1274	22.0	+24 31	9.4	Go	..	22.1	+17 19	10.7	A	..	22.2	+ 9 33	11.2	Fo
12	..	21.8	+ 4 9	11.0	A2	1364	22.0	+23 29	10.0	Go	1300	22.1	+14 35	10.6	K5	1245	22.2	+ 9 17	9.7	B5
13	..	21.9	+31 27	11.6	F2	..	22.0	+23 24	10.8	G5	1301	22.1	+14 1	10.7	Go	..	22.2	+ 8 49	11.6	Ao
14	1301	21.9	+31 20	10.2	G5	1338	22.0	+22 9	10.8	K5	1160	22.1	+12 50	10.0	Go	1260	22.2	+ 4 36	11.0	Go
15	1126	21.9	+28 18	12.2	K7	1337	22.0	+22 1	10.4	Fo	1185	22.1	+11 50	9.9	Ko	1262	22.2	+ 4 6	10.6	A5
16	..	21.9	+27 44	11.7	A3	1245	22.0	+21 57	10.0	B5	..	22.1	+11 32	11.0	A5	..	22.2	+ 3 42	11.6	G5
17	1273	21.9	+24 19	9.8	G5	..	22.0	+21 16	11.1	Ao	1183	22.1	+11 28	10.4	F5	..	22.3	+34 3	10.6	F5
18	1363	21.9	+23 0	10.2	Ao	1429	22.0	+20 25	10.0	Fo	1184	22.1	+11 8	10.6	Ao	..	22.3	+32 18	12.0	F8
19	..	21.9	+22 50	11.2	A	..	22.0	+18 39	10.9	Ao	1141	22.1	+10 19	10.6	G5	..	22.3	+30 54	10.6	A2
20	1244	21.9	+21 53	9.9	K2	..	22.0	+16 57	10.8	A5	..	22.1	+10 0	11.4	A	1240	22.3	+30 21	9.5	A5
21	..	21.9	+21 43	10.9	B8	..	22.0	+16 46	11.2	Fo	..	22.1	+ 9 15	10.8	Fo	..	22.3	+30 7	11.7	Ko
22	..	21.9	+20 8	11.4	A	..	22.0	+14 51	11.2	Fo	1344	22.1	+ 8 58	10.2	F5	1235	22.3	+29 50	9.2	Ao
23	..	21.9	+19 49	10.8	Ao	..	22.0	+12 28	11.4	A	1346	22.1	+ 8 37	11.0	Ko	..	22.3	+29 35	11.8	Ao
24	1225	21.9	+18 33	10.2	K7	..	22.0	+10 20	10.6	Fo	1295	22.1	+ 7 26	10.4	Ao	1234	22.3	+29 20	9.8	Fo
25	..	21.9	+18 4	11.4	Ko	..	22.0	+ 9 28	10.2	F8	..	22.1	+ 7 22	11.2	A	..	22.3	+29 11	12.3	G5
26	..	21.9	+17 56	11.6	K5	..	22.0	+ 8 38	11.0	A3	*1296*	22.1	+ 6 59	11.0	K7	..	22.3	+28 29	11.9	Ao
27	..	21.9	+17 5	11.3	A3	..	22.0	+ 8 29	10.2	Ao	1252	22.1	+ 6 54	10.6	Ao	1119	22.3	+27 0	10.8	Ko
28	*1253*	21.9	+16 59	11.2	Ao	1294	22.0	+ 7 51	11.5	Ko	..	22.1	+ 4 27	10.5	Go	1282	22.3	+25 24	10.4	K2
29	..	21.9	+16 56	11.0	F2	..	22.0	+ 7 21	11.5	K5	1253	22.1	+ 3 59	10.0	F8	..	22.3	+24 12	11.2	K2
30	1155	21.9	+16 52	10.4	A7	..	22.0	+ 7 7	11.2	G	..	22.1	+ 3 39	11.8	A	..	22.3	+23 29	11.2	K7
31	1154	21.9	+16 27	10.5	F8	1249	22.0	+ 6 57	9.9	Fo	..	22.1	+ 3 3	10.7	A	1248	22.3	+21 45	11.2	K5
32	1153	21.9	+16 13	10.6	A5	..	22.0	+ 6 37	11.1	F5	..	22.2	+31 30	11.5	Go	1249	22.3	+21 41	11.8	K7
33	1299	21.9	+14 29	10.3	Ao	1251	22.0	+ 6 18	10.3	A3	1302	22.2	+31 23	10.5	Ao	1432	22.3	+20 39	10.6	G5
34	..	21.9	+14 21	11.1	A3	1250	22.0	+ 6 10	10.0	A3	..	22.2	+30 37	10.6	F8	..	22.3	+20 38	var.	Ao
35	1255	21.9	+13 2	11.2	F8	1258	22.0	+ 4 46	11.4	G5	..	22.2	+30 16	10.7	A2	1433	22.3	+20 30	10.9	K2
36	1159	21.9	+12 44	10.4	G5	1259	22.0	+ 4 28	10.8	F2	1239	22.2	+30 15	11.8	Mo	1359	22.3	+19 6	9.0	Ao
37	..	21.9	+11 37	11.2	Ko	..	22.1	+32 36	11.7	G5	..	22.2	+30 9	11.0	G5	..	22.3	+18 56	11.1	Go
38	1182	21.9	+11 20	10.1	F8	..	22.1	+32 7	11.4	K2	1233	22.2	+29 45	10.2	Ao	1227	22.3	+18 7	11.2	Ko
39	..	21.9	+10 11	11.0	A2	..	22.1	+31 27	11.6	A5	..	22.2	+29 33	12.0	Fo	1256	22.3	+17 19	10.2	K2
40	..	21.9	+ 9 26	10.1	Ao	..	22.1	+30 44	11.2	A5	1129	22.2	+28 56	11.8	K7	..	22.3	+14 31	11.2	Ko
41	1341	21.9	+ 8 46	10.0	G5	..	22.1	+30 14	11.8	G5	..	22.2	+28 53	11.8	G5	1257	22.3	+13 7	9.9	A5
42	..	21.9	+ 7 58	11.2	K2	..	22.1	+29 20	12.2	K5	..	22.2	+28 44	11.8	Ao	..	22.3	+13 2	11.2	Fo
43	..	21.9	+ 7 51	11.0	F2	1127	22.1	+28 49	10.4	G5	..	22.2	+28 35	11.6	F2	1161	22.3	+12 14	9.8	Ao
44	..	21.9	+ 7 33	10.8	A5	..	22.1	+28 42	11.6	F	..	22.2	+26 29	12.1	G5	1186	22.3	+11 54	10.3	F5
45	..	21.9	+ 7 30	10.8	F	1128	22.1	+28 24	10.4	Go	1239	22.2	+26 15	10.6	G5	..	22.3	+11 39	11.5	A
46	1248	21.9	+ 6 34	10.1	A2	1116	22.1	+27 50	10.6	Fo	..	22.2	+23 33	11.2	A	1143	22.3	+10 8	10.2	F8
47	1247	21.9	+ 6 30	10.2	A7	..	22.1	+27 37	11.0	Ao	..	22.2	+23 21	10.6	Ao	1248	22.3	+ 9 31	11.0	A
48	..	21.9	+ 6 20	11.0	Go	..	22.1	+27 24	11.2	Ao	..	22.2	+22 31	10.8	G5	..	22.3	+ 9 29	11.0	Mo
49	..	21.9	+ 6 2	10.6	A2	1238	22.1	+26 27	10.5	A2	..	22.2	+22 14	11.0	A	1347	22.3	+ 8 9	11.6	G5
50	..	21.9	+ 5 35	10.7	A7	1281	22.1	+25 29	10.6	G5	..	22.2	+21 45	11.0	A	..	22.3	+ 6 14	12.0	K2

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	22.3	+ 5 58	11.2	Go	1278	22.5	+24 3	10.4	Ko	..	22.6	+14 24	11.0	Ao	1370	22.8	+23 0	9.8	Ao
2	..	22.3	+ 5 40	11.1	A	1367	22.5	+23 57	9.8	Ao	..	22.6	+10 8	10.4	Ao	1438	22.8	+20 47	11.0	K2
3	1244	22.3	+ 5 37	9.8	Ao	1250	22.5	+21 13	10.7	Ko	1146	22.6	+10 5	10.4	Go	1436	22.8	+20 35	9.4	Go
4	..	22.4	+34 19	11.2	F8	..	22.5	+20 0	10.4	A3	..	22.6	+ 9 33	11.0	F8	1437	22.8	+20 5	10.8	Go
5	1357	22.4	+34 3	10.4	A5	1229	22.5	+18 1	11.3	Mo	36	22.6	+ 9 16	11.0	Ao	..	22.8	+17 35	11.0	A3
6	..	22.4	+33 3	12.2	F8	..	22.5	+17 12	11.1	Go	..	22.6	+ 8 54	10.8	Ao	1160	22.8	+16 47	11.0	F8
7	..	22.4	+30 38	11.0	F8	..	22.5	+17 12	11.8	G	..	22.6	+ 8 42	10.7	F8	1265	22.8	+13 38	10.2	Ko
8	..	22.4	+29 26	11.8	A5	1257	22.5	+17 4	10.1	A2	..	22.6	+ 8 27	11.0	F8	1165	22.8	+12 55	11.0	A3
9	..	22.4	+29 6	12.2	Ko	..	22.5	+16 45	10.8	A3	1299	22.6	+ 7 24	10.4	Ko	1188	22.8	+11 47	9.6	F2
10	1120	22.4	+27 5	10.8	F5	1156	22.5	+16 30	10.6	A5	1246	22.6	+ 5 57	9.9	A5	..	22.8	+11 32	11.2	Go
11	..	22.4	+27 2	11.3	Ko	..	22.5	+16 4	10.9	G	..	22.6	+ 4 30	11.2	Ko	1189	22.8	+11 11	10.2	A5
12	1240	22.4	+26 45	10.2	F2	1303	22.5	+14 54	10.8	K5	..	22.7	+33 3	11.2	Ao	1148	22.8	+10 26	9.0	A2
13	1241	22.4	+26 8	10.6	F5	..	22.5	+14 31	10.8	A7	..	22.7	+32 36	11.2	F5	..	22.8	+ 9 40	10.6	Fo
14	..	22.4	+25 23	10.1	Ao	..	22.5	+14 22	11.2	Go	..	22.7	+30 7	11.4	F5	..	22.8	+ 9 14	11.1	Fo
15	..	22.4	+24 43	11.6	K5	1304	22.5	+14 13	9.6	A7	1237	22.7	+29 29	10.2	Ao	1351	22.8	+ 8 1	10.5	B8
16	..	22.4	+24 34	11.2	K5	1261	22.5	+13 30	10.2	Ko	..	22.7	+28 41	11.8	Go	..	22.8	+ 7 45	10.6	Go
17	1365	22.4	+23 25	10.6	K7	1260	22.5	+13 10	10.1	F2	1132	22.7	+28 0	10.6	F2	1301	22.8	+ 7 26	10.4	A3
18	1366	22.4	+23 8	9.2	A5	1259	22.5	+13 2	11.0	Go	1123	22.7	+27 30	10.6	Ko	1300	22.8	+ 7 8	10.0	B5
19	..	22.4	+20 58	11.4	K	1262	22.5	+13 0	10.5	Ao	1368	22.7	+23 39	9.6	Ao	..	22.8	+ 6 57	11.7	A
20	1435	22.4	+20 52	9.0	A2	1164	22.5	+12 53	10.1	B9	1361	22.7	+19 2	11.8	A	1248	22.8	+ 5 41	11.8	K7
21	1434	22.4	+20 8	11.2	Ko	..	22.5	+12 17	11.2	F	..	22.7	+18 1	10.3	Ao	1266	22.8	+ 4 58	10.6	Fo
22	..	22.4	+19 46	11.6	K2	..	22.5	+11 16	11.4	Fo	1158	22.7	+16 7	10.0	Ko	..	22.8	+ 4 24	11.4	A
23	..	22.4	+19 16	10.8	Ao	1144	22.5	+10 48	10.7	Go	..	22.7	+15 10	10.8	Go	..	22.9	+34 24	11.2	Go
24	1360	22.4	+19 2	11.8	G5	1249	22.5	+ 9 8	11.2	Ao	1263	22.7	+13 54	10.4	A3	..	22.9	+33 22	10.6	F2
25	..	22.4	+18 17	10.8	Ao	1348	22.5	+ 8 32	11.0	Ko	1264	22.7	+13 50	9.8	Fo	1307	22.9	+32 41	12.0	Ko
26	1205	22.4	+15 23	11.4	Mo	..	22.5	+ 8 2	10.4	Ao	..	22.7	+13 26	10.8	Go	..	22.9	+32 15	12.2	Ko
27	..	22.4	+14 42	11.0	F	..	22.5	+ 7 58	11.2	A	1147	22.7	+10 12	9.2	Go	1303	22.9	+31 35	10.8	K5
28	..	22.4	+13 38	11.0	A5	..	22.5	+ 7 50	11.5	A	..	22.7	+ 9 32	10.9	Ko	..	22.9	+31 13	11.0	Ko
29	1163	22.4	+12 50	9.6	B9	1298	22.5	+ 7 12	9.2	B8	..	22.7	+ 9 15	11.2	G	..	22.9	+30 0	11.9	A7
30	1162	22.4	+12 22	11.2	A3	..	22.5	+ 6 13	10.6	A2	..	22.7	+ 7 18	11.3	A	1242	22.9	+30 0	11.0	G5
31	1187	22.4	+11 41	10.6	A3	..	22.5	+ 5 30	11.0	A2	..	22.7	+ 5 11	11.7	A	1238	22.9	+29 15	11.6	K7
32	..	22.4	+11 27	11.4	A	..	22.5	+ 3 37	11.4	A	1265	22.7	+ 4 40	10.4	F8	..	22.9	+28 30	11.5	G5
33	..	22.4	+10 3	11.0	G5	..	22.6	+33 27	11.2	Go	..	22.7	+ 4 3	11.0	B8	..	22.9	+27 52	12.1	F
34	..	22.4	+ 6 13	12.0	Ko	..	22.6	+32 45	12.2	G5	..	22.7	+ 3 51	11.3	F5	1125	22.9	+27 44	9.7	A2
35	1245	22.4	+ 5 25	9.7	F2	..	22.6	+32 4	12.3	G5	1360	22.8	+34 19	9.7	F8	..	22.9	+27 29	11.9	Go
36	..	22.4	+ 4 31	11.2	F5	..	22.6	+31 36	11.8	A	..	22.8	+32 54	11.4	A7	1124	22.9	+27 6	9.2	G5
37	..	22.4	+ 3 42	11.6	A	1236	22.6	+29 50	10.1	K2	..	22.8	+31 50	11.4	B8	..	22.9	+24 1	11.0	A3
38	1359	22.5	+34 24	10.8	K5	..	22.6	+29 17	12.2	K7	..	22.8	+31 25	11.0	Ko	..	22.9	+23 54	10.2	Ao
39	1358	22.5	+34 1	10.2	F5	1131	22.6	+28 51	10.6	A2	..	22.8	+31 6	11.1	Ko	1372	22.9	+23 21	9.8	Ao
40	1331	22.5	+33 7	10.4	A3	..	22.6	+28 0	11.2	F5	1241	22.8	+30 6	10.1	F5	..	22.9	+23 19	11.6	K
41	1305	22.5	+32 37	10.7	F2	1286	22.6	+25 11	9.2	Go	..	22.8	+28 34	11.8	A5	..	22.9	+22 47	10.6	Ao
42	..	22.5	+31 41	12.0	K	..	22.6	+24 32	10.6	Ao	..	22.8	+28 18	11.7	Go	1252	22.9	+21 39	10.0	K5
43	..	22.5	+31 29	11.1	A3	..	22.6	+23 24	10.8	A3	..	22.8	+28 9	11.9	G5	..	22.9	+21 34	11.0	A
44	..	22.5	+30 46	11.6	F8	1341	22.6	+22 44	10.4	Go	1132	22.8	+28 0	10.6	F2	..	22.9	+20 52	11.7	Ko
45	1130	22.5	+28 52	10.6	G5	..	22.6	+21 17	10.6	F8	..	22.8	+27 56	12.0	F5	1439	22.9	+20 32	10.5	Ko
46	..	22.5	+27 17	11.5	Go	..	22.6	+19 33	11.4	F5	..	22.8	+27 35	11.7	F2	1362	22.9	+19 49	10.8	Ao
47	1242	22.5	+26 47	10.6	G5	..	22.6	+16 43	11.8	F	..	22.8	+25 11	11.0	A	1363	22.9	+19 14	11.0	F8
48	..	22.5	+26 42	11.8	G5	1207	22.6	+15 56	10.5	A5	..	22.8	+24 16	11.2	A	1231	22.9	+18 45	9.4	Ao
49	1283	22.5	+25 46	9.0	Ao	1206	22.6	+15 3	10.6	F5	1279	22.8	+24 6	9.8	Ao	1230	22.9	+18 16	10.9	K7
50	1284	22.5	+25 23	10.5	Ao	..	22.6	+14 29	11.2	A2	1371	22.8	+23 54	9.0	Go	..	22.9	+16 27	10.6	F8

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257900 — $6^h\ 22^m.9$ to $6^h\ 23^m.5$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1161	22.9	+16 14	10.2	F8	1361	23.1	+34 27	11.4	G5	1233	23.2	+18 27	8.8	Ao	..	23.4	+29 3	11.2	Ao
2	..	22.9	+15 30	11.0	Ao		23.1	+34 27	11.8	G5	1210	23.2	+15 56	11.0	Go	1134	23.4	+28 58	9.2	B9
3	1208	22.9	+15 25	10.9	F2	..	23.1	+33 45	11.4	Go	..	23.2	+15 28	11.3	A7	..	23.4	+28 42	11.4	A7
4	..	22.9	+14 6	10.8	A5	..	23.1	+27 58	11.8	A3	1309	23.2	+14 35	10.6	F5	..	23.4	+28 26	12.2	A5
5	1266	22.9	+13 58	9.8	K5	..	23.1	+26 29	11.2	G5	1308	23.2	+14 21	10.8	F5	1129	23.4	+27 42	10.0	Ko
6		22.9	+13 58		A	1290	23.1	+25 53	10.5	K2	1268	23.2	+13 46	10.8	Ko	1127	23.4	+27 33	10.5	Fo
7	..	22.9	+13 35	11.1	Fo	..	23.1	+24 55	11.3	K2	1167	23.2	+12 25	9.8	A2	..	23.4	+26 54	11.6	A5
8	..	22.9	+12 1	10.6	F5	1280	23.1	+24 38	10.3	F5	1168	23.2	+12 15	10.7	F2	..	23.4	+26 29	12.0	F8
9	1190	22.9	+11 1	10.0	G5	1373	23.1	+23 4	10.0	A3	..	23.2	+ 9 19	10.9	Fo	..	23.4	+26 3	11.9	K2
10	..	22.9	+10 15	10.4	Go	1254	23.1	+21 28	9.9	Go	..	23.2	+ 8 46	11.2	F5	1443	23.4	+20 44	10.4	Go
11	..	22.9	+10 0	11.1	A3	1253	23.1	+21 26	9.7	B9	..	23.2	+ 7 43	11.3	A	..	23.4	+20 5	10.9	A
12	..	22.9	+ 9 30	10.8	Ko	..	23.1	+21 8	11.0	A5	..	23.2	+ 6 35	11.6	K7	..	23.4	+20 3	11.2	K
13	..	22.9	+ 8 34	11.6	K	..	23.1	+20 51	10.8	A2	..	23.2	+ 6 27	11.2	F	1367	23.4	+19 57	9.5	Ao
14	1353	22.9	+ 8 0	10.6	B5	..	23.1	+19 22	11.2	Ko	1251	23.2	+ 5 57	10.1	Ao	..	23.4	+18 12	11.2	A
15	..	22.9	+ 7 35	11.1	Fo	..	23.1	+18 54	11.6	F	..	23.2	+ 4 28	10.6	A2	..	23.4	+17 1	11.4	A
16	1302	22.9	+ 7 21	10.0	Fo	1232	23.1	+18 22	8.8	Go	1258	23.2	+ 3 47	10.8	G5	..	23.4	+16 21	10.8	A2
17	..	22.9	+ 7 10	11.0	K	1162	23.1	+16 25	9.9	A3	1257	23.2	+ 3 38	11.6	K7	..	23.4	+15 42	11.0	F8
18	..	22.9	+ 5 39	11.2	G5	1307	23.1	+14 1	10.8	Ko	..	23.3	+34 36	10.2	Fo	1311	23.4	+14 27	10.4	F8
19	1250	22.9	+ 5 31	11.2	K5	..	23.1	+13 0	11.2	A7	..	23.3	+33 26	12.0	F2	1312	23.4	+14 2	11.0	F8
20	..	22.9	+ 5 3	10.9	Ao	1166	23.1	+12 27	9.7	F2	1334	23.3	+33 1	10.4	F2	1171	23.4	+12 14	9.9	A5
21	..	22.9	+ 4 19	10.9	A2	1191	23.1	+11 22	8.9	B3	1308	23.3	+32 31	10.3	K2	1192	23.4	+11 33	9.8	F2
22	..	23.0	+34 34	11.9	Go	..	23.1	+10 17	10.8	A	1306	23.3	+31 58	10.8	Ao	1151	23.4	+10 21	10.2	F5
23	1304	23.0	+31 39	10.8	K5	..	23.1	+ 8 42	10.6	G5	..	23.3	+29 17	12.2	Ko	..	23.4	+ 9 40	10.4	A5
24	1305	23.0	+31 19	10.6	G5	..	23.1	+ 8 14	11.0	F5	..	23.3	+27 58	12.0	Ao	1356	23.4	+ 8 59	9.6	F2
25	1243	23.0	+30 50	10.7	F5	..	23.1	+ 7 40	10.8	A2	..	23.3	+25 58	11.6	F8	..	23.4	+ 7 2	11.8	A
26	1239	23.0	+29 42	9.4	Ao	..	23.1	+ 7 25	10.9	Go	1344	23.3	+22 33	10.5	Ko	..	23.4	+ 7 2	11.6	A
27	1240	23.0	+29 26	11.9	Mo	..	23.1	+ 7 12	10.8	A2	1256	23.3	+21 49	9.6	G5	..	23.4	+ 6 53	10.5	Ao
28	..	23.0	+27 8	12.0	G5	..	23.1	+ 4 21	11.0	A3	..	23.3	+21 18	11.6	K2	1256	23.4	+ 6 16	9.8	A5
29	1244	23.0	+26 50	11.8	K2	..	23.1	+ 4 14	11.6	K	..	23.3	+20 48	10.7	Ao	..	23.4	+ 5 35	11.0	Fo
30	1243	23.0	+26 45	10.4	F5	1255	23.1	+ 3 18	10.7	F5	..	23.3	+20 22	11.1	G	1253	23.4	+ 5 26	10.2	Fo
31	..	23.0	+26 24	11.9	Ko	1256	23.1	+ 3 13	10.4	A	1164	23.3	+16 25	10.0	G5	..	23.4	+ 5 15	10.4	A2
32	..	23.0	+25 11	10.9	A	..	23.2	+34 29	11.6	Go	..	23.3	+14 48	11.2	A2	1252	23.4	+ 5 2	10.4	K2
33	1289	23.0	+25 7	9.8	K2	..	23.2	+34 1	10.8	F8	1310	23.3	+14 22	10.7	Go	1269	23.4	+ 4 57	10.4	K2
34	..	23.0	+24 6	11.0	Ko	1333	23.2	+33 13	9.2	F8	1269	23.3	+13 4	9.6	Ao	1270	23.4	+ 4 53	9.8	G
35	..	23.0	+23 50	10.6	G	..	23.2	+32 43	11.9	F	1170	23.3	+12 35	11.0	K5	..	23.5	+34 23	10.4	A5
36	..	23.0	+23 19	11.2	A	..	23.2	+31 39	11.6	G5	1169	23.3	+12 9	10.0	Go	1309	23.5	+32 49	11.0	K2
37	1440	23.0	+20 19	8.5	Ao	..	23.2	+28 6	12.2	Ko	..	23.3	+11 36	10.6	A5	1310	23.5	+32 24	10.2	F8
38	..	23.0	+20 2	11.2	A5	1126	23.2	+27 47	10.3	F2	1150	23.3	+10 18	10.2	Ko	..	23.5	+30 21	11.0	F2
39	1364	23.0	+19 33	10.9	F5	..	23.2	+27 17	11.6	Ao	..	23.3	+ 8 44	11.1	B9	1244	23.5	+30 4	10.3	Ao
40	1258	23.0	+17 34	11.0	Ko	..	23.2	+27 8	11.2	F2	1354	23.3	+ 8 40	10.4	Go	..	23.5	+28 25	12.0	G5
41	..	23.0	+15 54	11.0	A5	1245	23.2	+26 1	11.0	F5	..	23.3	+ 8 34	11.8	A	..	23.5	+26 43	12.0	A
42	1209	23.0	+15 18	10.4	Fo	1294	23.2	+25 47	10.7	K7	..	23.3	+ 7 41	10.9	Ko	1246	23.5	+26 25	10.4	Ao
43	1306	23.0	+14 56	10.8	K5	1293	23.2	+25 36	10.8	G5	..	23.3	+ 6 24	11.1	F5	1374	23.5	+23 57	9.9	Go
44	1267	23.0	+13 37	10.1	A5	1291	23.2	+25 28	10.3	F5	..	23.3	+ 5 34	11.8	Ko	1257	23.5	+21 16	10.9	Fo
45	..	23.0	+ 9 25	11.2	A	..	23.2	+23 48	10.4	Ao	..	23.3	+ 3 49	11.6	A	1444	23.5	+20 1	9.3	A7
46	..	23.0	+ 9 19	11.2	Go	..	23.2	+22 35	12.0	M	..	23.4	+33 54	11.4	K5	1165	23.5	+16 49	10.8	Go
47	..	23.0	+ 8 45	12.0	K	1255	23.2	+21 33	11.2	K5	..	23.4	+32 33	11.2	K5	1211	23.5	+15 31	10.0	F8
48	..	23.0	+ 8 27	11.4	A	1442	23.2	+20 53	10.6	K5	..	23.4	+32 29	10.9	F8	..	23.5	+14 14	10.9	F2
49	..	23.0	+ 6 52	11.0	Ao	1365	23.2	+19 55	11.0	K5	1242	23.4	+29 42	10.3	A3	1271	23.5	+13 52	10.4	A3
50	1362	23.1	+34 37	9.8	A2	1366	23.2	+19 4	10.4	Go	..	23.4	+29 17	11.5	A2	1270	23.5	+13 37	10.5	Go

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1273	23.5	+13 22	9.4	B5	..	23.7	+29 18	11.9	A0	..	23.8	+ 7 40	11.2	A0	..	24.0	+23 49	9.8	B8
2	1272	23.5	+13 7	10.5	F0	..	23.7	+28 58	10.9	A3	..	23.8	+ 7 12	11.4	G	1377	24.0	+23 33	10.8	M0
3	1195	23.5	+11 43	11.2	F0	1135	23.7	+28 57	10.3	K2	..	23.8	+ 6 59	10.8	F8	..	24.0	+22 8	11.4	A0
4	1194	23.5	+11 26	8.8	F8	..	23.7	+28 37	11.2	A3	1259	23.8	+ 6 53	10.2	F0	1261	24.0	+21 3	12.3	K5
5	..	23.5	+ 9 45	10.8	G	..	23.7	+28 2	11.8	F5	..	23.8	+ 6 36	11.1	G0	1445	24.0	+20 48	11.7	K0
6	1251	23.5	+ 9 2	9.8	A0	1297	23.7	+25 30	10.8	K8	..	23.8	+ 6 11	10.8	A0	1446	24.0	+20 23	9.6	A0
7	..	23.5	+ 8 49	11.0	F0	1283	23.7	+24 57	9.8	A2	..	23.8	+ 5 38	11.9	K2	1447	24.0	+20 15	10.8	K2
8	..	23.5	+ 6 55	11.0	A0	1284	23.7	+24 53	10.4	F	..	23.8	+ 3 50	11.2	F0	1370	24.0	+19 7	10.1	A5
9	1257	23.5	+ 6 37	10.9	A7	1375	23.7	+23 37	10.5	F2	1312	23.9	+32 56	10.6	K5	..	24.0	+19 1	10.6	A0
10	1254	23.5	+ 5 5	10.5	K0	..	23.7	+21 37	11.3	G5	..	23.9	+32 18	11.6	K2	..	24.0	+17 17	10.2	F8
11	..	23.5	+ 3 31	12.0	K	1258	23.7	+21 16	9.6	B9	1313	23.9	+32 7	10.6	A2	..	24.0	+16 38	11.1	K5
12	1365	23.6	+34 20	10.2	G5	1368	23.7	+19 57	10.9	F8	1310	23.9	+31 57	10.4	G0	..	24.0	+16 9	11.0	F
13	1366	23.6	+34 0	10.8	F2	1234	23.7	+18 5	9.4	K0	1245	23.9	+30 31	9.7	K0	..	24.0	+15 50	11.2	A7
14	1335	23.6	+33 11	10.2	A7	1262	23.7	+17 27	10.4	A2	1245	23.9	+29 11	11.8	K5	1215	24.0	+15 14	10.5	F0
15	..	23.6	+32 9	12.0	K	..	23.7	+16 47	10.8	G0	..	23.9	+27 11	11.0	A0	..	24.0	+13 59	11.2	F8
16	1307	23.6	+31 35	11.2	K7	1213	23.7	+15 44	11.0	F8	1286	23.9	+24 46	10.8	A5	1357	24.0	+ 8 48	11.3	K2
17	..	23.6	+30 48	11.4	A3	..	23.7	+15 18	10.5	F2	1285	23.9	+24 34	9.8	K0	1310	24.0	+ 7 51	10.6	K0
18	..	23.6	+30 38	11.4	A0	..	23.7	+13 51	11.0	A7	1376	23.9	+23 52	10.4	K0	1309	24.0	+ 7 41	10.6	F0
19	1243	23.6	+29 50	12.2	K7	1274	23.7	+13 49	10.3	K0	1348	23.9	+22 45	10.6	F8	1307	24.0	+ 7 17	10.4	K2
20	..	23.6	+28 48	11.9	A7	1199	23.7	+11 41	10.7	A5	..	23.9	+22 32	10.8	G5	..	24.0	+ 7 9	11.2	A0
21	..	23.6	+26 41	11.8	G5	1198	23.7	+11 33	10.6	K2	1260	23.9	+21 39	10.8	F5	1260	24.0	+ 3 29	10.9	F0
22	1296	23.6	+25 15	9.7	G0	..	23.7	+10 47	10.4	F0	1369	23.9	+19 17	11.5	K2	1312	24.1	+31 57	10.1	K0
23	1295	23.6	+25 1	10.8	K0	..	23.7	+10 47	10.8	A5	..	23.9	+18 28	10.5	B8	..	24.1	+30 38	11.3	A7
24	1282	23.6	+24 25	9.6	A0	1253	23.7	+ 9 50	10.0	A2	1214	23.9	+15 28	9.8	A3	1139	24.1	+28 17	10.5	A0
25	1345	23.6	+22 26	10.5	G0	..	23.7	+ 9 27	11.3	F8	1313	23.9	+14 42	11.0	K0	..	24.1	+27 10	11.0	G5
26	..	23.6	+21 46	11.8	K2	..	23.7	+ 9 5	10.8	F8	..	23.9	+14 35	11.0	F8	..	24.1	+26 18	11.8	G5
27	..	23.6	+21 30	11.6	A0	1305	23.7	+ 7 40	10.4	F0	1276	23.9	+13 54	10.4	F0	1248	24.1	+26 13	10.8	K0
28	..	23.6	+21 24	11.2	A0	..	23.7	+ 7 7	11.6	F	1277	23.9	+13 22	9.6	A0	1298	24.1	+25 48	10.0	A0
29	..	23.6	+20 20	11.1	G	1257	23.7	+ 5 35	10.6	K2	..	23.9	+10 3	10.8	A7	..	24.1	+25 40	11.1	K0
30	..	23.6	+18 34	11.3	A0	..	23.8	+33 8	11.6	F5	..	23.9	+ 9 48	10.6	A2	1289	24.1	+24 6	10.3	G0
31	..	23.6	+17 35	10.9	A2	..	23.8	+32 36	12.0	F2	..	23.9	+ 9 5	11.0	F	1288	24.1	+24 1	11.2	K7
32	1212	23.6	+15 42	11.0	F5	..	23.8	+32 11	11.0	F5	..	23.9	+ 8 20	10.8	A0	..	24.1	+23 16	11.6	K8
33	..	23.6	+15 1	10.8	A3	1309	23.8	+31 33	9.8	K0	..	23.9	+ 6 51	10.8	A0	1349	24.1	+22 50	10.6	A0
34	*1172*	23.6	+11 59	10.0	A3	1244	23.8	+29 37	9.2	A2	..	23.9	+ 5 53	11.0	A	..	24.1	+21 56	10.6	A0
35	..	23.6	+11 42	11.4	A	1136	23.8	+28 31	10.4	F0	..	23.9	+ 5 50	11.0	F	1262	24.1	+21 10	9.0	F5
36	1196	23.6	+11 6	11.2	A7	..	23.8	+28 24	10.8	K0	..	23.9	+ 5 38	11.4	A2	1235	24.1	+18 4	9.6	K0
37	..	23.6	+10 17	10.6	A0	1137	23.8	+28 22	11.2	F8	..	23.9	+ 4 43	11.7	G5	..	24.1	+17 27	11.0	A5
38	1252	23.6	+ 9 43	10.2	G5	..	23.8	+27 51	10.6	A2	1369	24.0	+34 9	10.8	A2	..	24.1	+16 19	10.4	A2
39	..	23.6	+ 8 56	11.0	A0	..	23.8	+27 49	12.0	K5	..	24.0	+33 43	11.2	A3	..	24.1	+15 23	10.8	A3
40	..	23.6	+ 7 6	11.3	K0	..	23.8	+24 19	11.2	A	..	24.0	+33 30	11.6	F8	..	24.1	+15 14	10.8	F2
41	1303	23.6	+ 7 1	10.2	K0	1346	23.8	+22 53	10.4	F	..	24.0	+33 18	12.2	F8	..	24.1	+14 55	11.6	K7
42	1256	23.6	+ 5 27	11.6	K7	1347	23.8	+22 51	8.9	A0	1336	24.0	+33 13	11.2	K0	1200	24.1	+11 46	9.6	K0
43	1271	23.6	+ 4 29	10.8	K2	1259	23.8	+21 8	9.5	A2	..	24.0	+32 18	11.9	A	..	24.1	+11 23	11.1	F2
44	..	23.6	+ 3 16	10.6	A0	..	23.8	+20 35	11.0	A0	1311	24.0	+31 19	10.6	G0	1254	24.1	+ 9 5	11.2	B8
45	1367	23.7	+34 16	10.4	K2	1263	23.8	+17 9	11.0	K0	..	24.0	+30 57	11.8	A	..	24.1	+ 8 37	11.6	A
46	..	23.7	+34 3	10.7	A3	..	23.8	+15 12	11.1	A5	..	24.0	+29 48	12.2	K2	1358	24.1	+ 8 4	10.4	K5
47	..	23.7	+33 45	11.6	G5	..	23.8	+14 6	11.0	A7	..	24.0	+28 39	11.6	A5	..	24.1	+ 7 29	11.4	F0
48	1308	23.7	+31 52	9.6	F8	1152	23.8	+10 58	9.4	F5	1131	24.0	+27 49	10.2	A0	..	24.1	+ 6 44	10.6	F8
49	..	23.7	+30 22	11.3	F8	..	23.8	+ 9 3	10.8	A0	1247	24.0	+26 27	10.4	F8	..	24.1	+ 6 21	11.0	A0
50	..	23.7	+30 12	10.4	B9	..	23.8	+ 8 17	10.8	G0	1287	24.0	+24 25	10.7	K0	..	24.1	+ 6 16	11.0	A

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1273	24.1	+ 4 48	10.8	F8	1266	24.3	+21 10	9.9	Ko	1262	24.4	+ 6 39	10.2	A7	1374	24.6	+19 41	10.4	Ao
2	1272	24.1	+ 4 31	10.6	Go	..	24.3	+19 36	11.3	Go	1261	24.4	+ 6 28	10.0	Go	1375	24.6	+19 22	9.1	Go
3	..	24.1	+ 3 39	11.1	K2	1371	24.3	+19 27	9.2	A2	1262	24.4	+ 5 25	9.8	Fo	1238	24.6	+18 55	10.4	Go
4	1370	24.2	+34 21	11.2	Go	..	24.3	+18 22	10.4	Ao	..	24.5	+29 6	12.1	K2	..	24.6	+18 35	11.2	Ao
5	..	24.2	+33 36	11.1	Go	1167	24.3	+16 41	10.4	Ko	1140	24.5	+28 56	10.4	Go	..	24.6	+17 47	10.6	A2
6	..	24.2	+32 11	11.4	Ao	1166	24.3	+16 21	10.9	K5	..	24.5	+28 24	12.0	K7	1270	24.6	+17 4	10.0	A3
7	1315	24.2	+32 1	10.7	A2	..	24.3	+15 43	11.8	F8	..	24.5	+27 32	11.6	F8	..	24.6	+16 56	11.1	A2
8	..	24.2	+31 7	10.2	B8	..	24.3	+15 12	10.9	F5	1252	24.5	+26 55	10.4	F8	1219	24.6	+15 31	11.6	G5
9	1313	24.2	+31 4	11.4	Ko	1280	24.3	+13 10	9.6	A7	..	24.5	+25 25	11.0	F8	..	24.6	+15 15	10.6	A3
10	1247	24.2	+30 47	9.8	Go	..	24.3	+12 51	11.2	Go	..	24.5	+25 3	11.0	A	1318	24.6	+14 17	11.2	K5
11	1246	24.2	+29 18	10.3	F8	..	24.3	+ 9 5	10.3	Fo	1379	24.5	+23 59	10.8	K5	..	24.6	+12 35	11.1	Go
12	..	24.2	+27 44	12.2	Go	..	24.3	+ 8 53	11.0	F5	..	24.5	+23 5	10.8	Ko	..	24.6	+10 56	11.6	G5
13	1133	24.2	+27 30	9.1	B9	1360	24.3	+ 8 35	10.3	A3	..	24.5	+23 0	10.8	A	..	24.6	+ 9 24	10.9	A2
14	1134	24.2	+27 24	10.4	F8	..	24.3	+ 8 21	10.6	A3	1353	24.5	+22 34	10.4	F8	1365	24.6	+ 8 41	10.4	Ao
15	..	24.2	+26 52	11.2	Go	..	24.3	+ 8 7	11.0	B9	1354	24.5	+22 17	10.6	Ko	..	24.6	+ 7 59	9.5	B9
16	1249	24.2	+26 35	11.4	Ko	1311	24.3	+ 7 24	10.2	Go	1267	24.5	+21 15	10.0	F8	..	24.6	+ 7 24	10.8	A3
17	..	24.2	+26 30	11.5	F2	..	24.3	+ 6 55	10.6	Fo	..	24.5	+21 14	12.0	A	..	24.6	+ 6 53	10.8	A2
18	..	24.2	+25 1	11.4	K5	1260	24.3	+ 6 27	11.8	K5	1218	24.5	+15 17	10.3	A7	*1265*	24.6	+ 5 59	10.6	Ko
19	..	24.2	+24 37	9.9	Ao	..	24.3	+ 6 25	11.2	Fo	1316	24.5	+14 53	10.5	A2	..	24.6	+ 5 27	11.6	G
20	..	24.2	+24 27	11.0	G	1261	24.3	+ 5 47	9.8	Fo	1317	24.5	+14 48	9.8	F5	..	24.6	+ 3 3	11.5	A
21	..	24.2	+23 19	10.6	Ao	1260	24.3	+ 5 33	9.9	Fo	1282	24.5	+13 9	9.8	Ao	1339	24.7	+33 58	11.0	Go
22	1350	24.2	+22 56	10.6	Go	..	24.3	+ 3 17	10.8	A2	..	24.5	+12 41	11.2	G	1338	24.7	+33 6	11.4	Ko
23	1351	24.2	+22 50	9.8	A2	1262	24.3	+ 3 11	10.3	Go	1154	24.5	+10 24	9.7	G5	1317	24.7	+32 39	10.0	Ko
24	..	24.2	+21 8	11.2	K7	..	24.4	+34 37	12.0	G5	1257	24.5	+ 9 35	10.8	F5	1318	24.7	+32 29	10.2	G5
25	1236	24.2	+18 9	9.2	A2	..	24.4	+34 19	12.2	Fo	1313	24.5	+ 7 54	10.8	G5	..	24.7	+28 38	11.4	Go
26	1269	24.2	+17 50	10.2	K2	1372	24.4	+34 12	10.4	G5	..	24.5	+ 7 34	10.2	Ao	1136	24.7	+27 31	10.8	M3
27	..	24.2	+16 30	11.5	Ko	1314	24.4	+31 32	11.9	K5	1263	24.5	+ 6 17	10.3	Go	..	24.7	+27 6	12.0	Ko
28	1278	24.2	+13 28	10.2	A3	..	24.4	+30 45	11.1	G	1264	24.5	+ 6 14	9.7	A7	1303	24.7	+25 53	10.4	G5
29	1174	24.2	+12 54	11.2	G	1249	24.4	+29 40	9.6	F5	..	24.5	+ 5 18	10.4	B9	1383	24.7	+23 53	10.6	G5
30	1175	24.2	+12 15	10.7	G5	..	24.4	+29 21	12.1	Mo	1263	24.5	+ 3 0	11.4	G5	1382	24.7	+23 39	10.3	K2
31	..	24.2	+ 9 3	11.3	A	1135	24.4	+27 56	10.6	G5	..	24.6	+33 22	11.8	Go	..	24.7	+23 21	10.9	Go
32	1363	24.2	+ 8 7	11.2	K2	..	24.4	+27 30	11.1	A3	..	24.6	+32 56	12.2	Go	*1356*	24.7	+21 59	9.3	F5
33	..	24.2	+ 5 45	10.8	Ao	..	24.4	+26 58	12.0	A2	..	24.6	+32 12	11.0	Ao	1452	24.7	+20 8	10.6	Go
34	1259	24.2	+ 5 40	9.9	Ao	1251	24.4	+26 39	11.9	K5	1316	24.6	+31 13	11.2	Ko	1239	24.7	+18 1	10.4	Ko
35	..	24.2	+ 5 13	10.5	A3	..	24.4	+26 28	11.9	A3	1315	24.6	+31 8	10.4	Ko	..	24.7	+17 15	10.9	Fo
36	1275	24.2	+ 4 22	10.5	Fo	..	24.4	+26 8	12.0	G5	..	24.6	+30 54	11.0	F8	..	24.7	+16 5	11.6	A3
37	1261	24.2	+ 3 42	10.1	Fo	1448	24.4	+20 52	11.4	K2	1248	24.6	+30 24	10.9	Ko	1258	24.7	+ 9 28	10.2	A2
38	..	24.3	+32 14	11.6	Ko	..	24.4	+20 48	11.5	Ko	1249	24.6	+30 21	11.3	K7	1260	24.7	+ 9 3	9.7	Fo
39	..	24.3	+29 42	11.3	Ko	..	24.4	+19 14	11.2	A7	1250	24.6	+29 30	9.1	Ao	..	24.7	+ 7 33	11.5	A
40	1247	24.3	+29 12	9.9	Ao	1168	24.4	+16 13	10.5	Fo	..	24.6	+27 8	11.8	Ao	..	24.7	+ 7 7	10.8	Fo
41	..	24.3	+28 38	12.3	K5	1216	24.4	+15 43	10.7	K7	..	24.6	+26 9	10.8	F8	*1316*	24.7	+ 6 59	10.7	K7
42	..	24.3	+28 7	11.6	Fo	1217	24.4	+15 34	10.4	A7	1253	24.6	+26 1	10.7	K2	..	24.7	+ 6 10	11.2	A2
43	..	24.3	+26 56	12.2	K7	1314	24.4	+14 44	10.0	A2	1255	24.6	+26 1	10.1	G5	1263	24.7	+ 5 32	10.8	G5
44	..	24.3	+26 47	11.7	A5	1279	24.4	+13 41	9.9	K5	..	24.6	+25 45	10.6	Ko	1277	24.7	+ 4 41	10.6	Go
45	..	24.3	+26 37	11.6	Ko	1201	24.4	+11 40	9.6	A2	1292	24.6	+24 39	10.4	K2	..	24.7	+ 4 32	11.6	K7
46	1250	24.3	+26 4	11.8	Ko	1255	24.4	+ 9 53	10.2	A5	1293	24.6	+24 12	10.4	F5	1278	24.7	+ 4 1	10.6	F2
47	1290	24.3	+24 55	10.2	Ko	1364	24.4	+ 8 29	9.7	B8	1451	24.6	+20 49	9.6	Ko	..	24.7	+ 3 48	10.6	A2
48	..	24.3	+22 4	11.0	G5	..	24.4	+ 8 23	10.7	B8	..	24.6	+20 0	10.6	Ao	1375	24.8	+34 37	11.8	Ko
49	1265	24.3	+21 56	10.5	A2	..	24.4	+ 8 12	11.2	A5	..	24.6	+19 55	11.2	F8	1376	24.8	+34 25	10.4	Ao
50	..	24.3	+21 33	11.0	Ao	..	24.4	+ 8 2	11.2	Ao	1373	24.6	+19 47	10.7	F8	*1374*	24.8	+33 59	11.5	G5

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258500 — $6^h\ 24^m.8$ to $6^h\ 25^m.4$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	24.8	+33 33	11.8	Go	..	24.9	+12 51	11.1	A7	..	25.1	+25 16	11.3	A	1287	25.2	+13 9	9.7	A7
2	1340	24.8	+33 12	9.6	Go	1157	24.9	+10 51	10.8	Ko	..	25.1	+24 47	11.4	A5	..	25.2	+ 9 28	10.8	Ao
3	1317	24.8	+31 49	11.0	F5	..	24.9	+ 9 38	11.4	A	..	25.1	+23 53	11.1	A	..	25.2	+ 9 24	11.0	A3
4	..	24.8	+31 39	11.8	A5	1318	24.9	+ 7 59	10.0	B8	..	25.1	+23 4	10.6	Go	..	25.2	+ 8 39	10.6	Fo
5	..	24.8	+30 51	11.2	A7	1317	24.9	+ 7 17	10.6	Go	1358	25.1	+22 57	10.8	G5	1370	25.2	+ 8 15	10.4	F5
6	1251	24.8	+29 53	10.0	F8	..	24.9	+ 6 36	11.4	F	..	25.1	+22 13	10.8	A3	..	25.2	+ 8 10	11.1	A
7	..	24.8	+29 42	11.8	K7	1267	24.9	+ 6 27	9.9	Ko	1269	25.1	+21 50	10.0	A3	1320	25.2	+ 7 53	10.4	B9
8	..	24.8	+27 0	11.8	A3	1265	24.9	+ 5 59	11.4	Ko	..	25.1	+19 44	11.2	A2	..	25.2	+ 7 2	10.8	Ao
9	..	24.8	+26 19	11.9	K7	..	24.9	+ 4 39	10.8	Ao	..	25.1	+18 48	11.6	G5	*1319*	25.2	+ 6 59	10.7	F2
10	1304	24.8	+25 30	9.7	A5	1318	25.0	+31 39	9.4	Ao	..	25.1	+18 32	11.2	F8	1281	25.2	+ 4 50	11.5	K8
11	..	24.8	+23 22	10.6	Ao	..	25.0	+31 0	11.0	F5	1243	25.1	+18 9	11.8	K7	..	25.3	+33 8	10.6	B9
12	..	24.8	+22 9	10.7	Ao	..	25.0	+29 14	11.8	A7	1273	25.1	+17 16	10.4	Go	1321	25.3	+32 45	11.2	Go
13	..	24.8	+21 44	11.2	Go	..	25.0	+27 49	11.4	Ao	1172	25.1	+16 9	11.0	G5	..	25.3	+32 34	11.9	G5
14	..	24.8	+21 43	11.0	Ao	..	25.0	+26 29	11.1	K5	1220	25.1	+15 57	10.4	A5	..	25.3	+32 28	11.2	F5
15	..	24.8	+19 44	11.1	Ao	..	25.0	+26 10	11.3	A2	..	25.1	+15 24	11.3	F8	1320	25.3	+31 35	10.1	Ao
16	1240	24.8	+18 39	10.2	K5	..	25.0	+24 45	11.2	Ko	..	25.1	+12 5	11.2	Go	1319	25.3	+31 18	10.6	Ko
17	1241	24.8	+18 34	10.0	Go	1357	25.0	+22 30	10.6	Fo	..	25.1	+11 47	11.0	A2	..	25.3	+30 36	12.1	Go
18	1271	24.8	+17 56	11.9	K7	..	25.0	+21 16	11.1	F8	..	25.1	+10 7	11.0	A3	1251	25.3	+30 12	9.6	A2
19	..	24.8	+13 50	11.8	A	..	25.0	+21 6	11.1	A7	1264	25.1	+ 9 55	10.4	B8	..	25.3	+28 44	11.9	G5
20	1283	24.8	+13 26	9.6	Ko	..	25.0	+20 29	11.4	G5	..	25.1	+ 9 26	11.2	Ko	1139	25.3	+27 11	10.7	K2
21	1202	24.8	+11 27	10.5	B8	1377	25.0	+19 48	10.5	Go	..	25.1	+ 8 41	10.0	B8	1140	25.3	+27 5	9.6	Ao
22	..	24.8	+10 46	11.4	G5	..	25.0	+19 24	11.4	Mo	..	25.1	+ 7 54	10.6	A2	..	25.3	+26 8	11.7	A3
23	1155	24.8	+10 31	9.3	Ao	1242	25.0	+18 29	11.2	K8	..	25.1	+ 5 48	11.0	F8	..	25.3	+25 36	10.4	G5
24	..	24.8	+ 9 45	11.2	F	..	25.0	+15 3	10.6	A5	..	25.1	+ 3 15	11.2	A	..	25.3	+24 26	11.8	Ko
25	..	24.8	+ 8 28	11.3	A	1321	25.0	+14 37	10.4	A5	..	25.2	+34 34	10.9	Fo	..	25.3	+24 7	11.0	Ko
26	1368	24.8	+ 8 23	9.8	Ko	..	25.0	+13 32	11.2	F5	..	25.2	+33 19	11.6	Go	..	25.3	+23 50	10.4	Ao
27	..	24.8	+ 5 31	11.5	A	..	25.0	+11 44	11.4	Mo	1341	25.2	+33 15	10.8	K2	..	25.3	+23 4	11.7	K7
28	1265	24.8	+ 3 46	10.6	K8	1203	25.0	+11 8	10.3	G5	..	25.2	+32 31	10.6	A7	..	25.3	+22 18	11.2	F8
29	1264	24.8	+ 3 27	10.0	Ao	..	25.0	+10 48	11.1	Fo	..	25.2	+29 51	12.0	K5	1273	25.3	+21 47	10.0	Go
30	..	24.8	+ 3 11	10.3	Ko	1261	25.0	+ 9 26	10.2	A3	1252	25.2	+29 34	10.4	Go	1458	25.3	+20 48	11.1	G5
31	..	24.9	+33 24	11.6	Go	1263	25.0	+ 9 19	9.8	G5	..	25.2	+28 50	12.0	Go	..	25.3	+19 39	11.2	G5
32	..	24.9	+29 47	11.9	K7	1262	25.0	+ 9 6	10.8	K7	..	25.2	+27 14	11.6	F8	..	25.3	+18 52	10.5	Ao
33	..	24.9	+28 56	11.8	A5	1369	25.0	+ 8 44	9.0	Ao	1305	25.2	+25 52	9.8	Ao	1173	25.3	+16 29	9.9	F5
34	..	24.9	+28 53	11.7	F8	..	25.0	+ 8 17	11.4	F		25.2	+25 52	9.8	Ao	..	25.3	+16 11	11.6	F8
35	..	24.9	+28 26	11.8	Go	..	25.0	+ 8 6	10.9	Ao	1295	25.2	+24 9	10.2	A5	1178	25.3	+12 6	11.0	Go
36	1138	24.9	+27 31	10.2	A5	..	25.0	+ 8 1	11.0	F8	1359	25.2	+22 59	10.8	G5	1158	25.3	+10 9	9.1	B8
37	1137	24.9	+27 27	10.4	G5	1268	25.0	+ 6 59	12.2	K7	1360	25.2	+22 53	10.2	Go	1322	25.3	+ 7 36	10.4	A2
38	..	24.9	+27 5	10.8	A2	1269	25.0	+ 6 55	11.1	K2	1271	25.2	+21 57	9.8	K2	..	25.3	+ 7 8	12.0	F8
39	..	24.9	+26 45	10.6	B8	..	25.0	+ 6 42	11.9	A3	1272	25.2	+21 53	9.8	A2	..	25.3	+ 6 40	12.2	G5
40	1256	24.9	+26 10	10.8	Go	1266	25.0	+ 5 29	10.5	A2	1456	25.2	+20 48	12.1	K	1268	25.3	+ 5 26	9.8	A2
41	1384	24.9	+23 47	10.6	K5	1280	25.0	+ 4 37	11.1	Go	1457	25.2	+20 8	10.6	Go	1283	25.3	+ 4 45	10.0	Bo
42	..	24.9	+21 48	10.2	A2	1279	25.0	+ 4 31	9.8	A2	..	25.2	+19 24	11.7	A	1284	25.3	+ 4 21	10.0	A2
43	..	24.9	+21 35	11.0	Ko	..	25.1	+33 51	10.6	F5	1378	25.2	+19 1	11.8	Mo	1267	25.3	+ 3 43	10.4	Ao
44	1455	24.9	+20 6	11.2	K8	..	25.1	+33 30	11.6	A7	..	25.2	+18 22	11.4	Go	..	25.4	+34 24	11.5	Go
45	1376	24.9	+19 36	11.0	Mo	..	25.1	+32 56	12.0	Go	..	25.2	+17 46	10.3	A5	..	25.4	+34 4	10.2	Ao
46	1272	24.9	+17 20	10.9	K2	1250	25.1	+30 49	10.4	Fo	1274	25.2	+17 23	10.7	Ao	..	25.4	+32 35	11.9	F8
47	..	24.9	+14 33	10.8	A2	..	25.1	+30 16	11.3	K5	..	25.2	+16 46	11.3	Fo	1321	25.4	+31 32	10.6	Ko
48	..	24.9	+14 19	11.3	G	..	25.1	+27 54	10.6	A3	..	25.2	+16 21	11.0	F8	1253	25.4	+29 20	9.9	G5
49	1284	24.9	+13 53	10.8	Go	..	25.1	+26 52	11.0	Go	1322	25.2	+14 53	10.6	Go	1143	25.4	+28 49	10.4	K5
50	1285	24.9	+13 52	10.8	F5	..	25.1	+26 24	11.8	Go	1286	25.2	+13 16	10.7	Ko	..	25.4	+28 21	11.0	Go

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1306	25.4	+25 42	10.2	A2	1371	25.5	+ 8 36	10.0	Go	..	25.7	+25 42	10.3	Ao	1289	25.8	+13 31	11.0	G5
2	1307	25.4	+25 12	9.9	A5	1323	25.5	+ 7 33	10.8	K2	..	25.7	+25 27	11.6	A	..	25.8	+12 37	11.3	A7
3	1297	25.4	+24 24	11.4	Ko	..	25.5	+ 6 50	11.3	Fo	1362	25.7	+22 52	10.1	Fo	1269	25.8	+ 9 51	9.0	B3
4	1296	25.4	+24 19	10.2	Ko	..	25.5	+ 6 37	11.4	Mo	1361	25.7	+22 29	10.4	B9	1375	25.8	+ 8 46	10.3	A2
5	1385	25.4	+23 35	10.3	Go	1271	25.5	+ 6 23	9.6	A2	..	25.7	+22 15	10.8	Ao	..	25.8	+ 7 51	10.8	G5
6	..	25.4	+22 7	11.0	Ko	1285	25.5	+ 4 40	9.8	Ao	..	25.7	+21 18	11.9	A	..	25.8	+ 7 31	10.8	A7
7	1459	25.4	+20 53	11.8	K5	..	25.5	+ 3 40	10.4	B9	..	25.7	+21 9	11.1	A5	1273	25.8	+ 5 56	9.8	Ko
8	..	25.4	+20 27	11.4	Ao	..	25.5	+ 3 25	11.1	A	..	25.7	+20 38	11.6	A5	..	25.8	+ 5 48	11.6	K2
9	1380	25.4	+19 28	10.8	Ko	..	25.5	+ 3 7	11.0	Ao	1463	25.7	+20 23	9.6	Ao	..	25.8	+ 4 52	10.6	Ao
10	1244	25.4	+18 56	11.2	G5	1323	25.6	+31 9	10.5	Ko	..	25.7	+19 44	11.6	K7	1289	25.8	+ 4 24	10.6	Ao
11	..	25.4	+17 21	10.8	Ao	..	25.6	+30 32	11.8	A3	1246	25.7	+18 39	10.8	Go	1272	25.8	+ 3 54	10.6	G5
12	..	25.4	+16 36	9.9	A2	..	25.6	+30 10	11.0	A5	..	25.7	+18 33	11.7	K2	1270	25.8	+ 3 14	10.4	A
13	1265	25.4	+ 9 50	10.0	F8	1255	25.6	+29 26	9.4	A2	..	25.7	+17 24	10.6	A3	1271	25.8	+ 3 10	10.0	A
14	..	25.4	+ 8 48	11.0	A3	1144	25.6	+28 10	11.9	K7	..	25.7	+15 47	11.6	A5	1254	25.9	+30 39	11.1	K5
15	..	25.4	+ 8 21	11.3	F2	..	25.6	+27 52	12.2	K2	1222	25.7	+15 15	11.3	Ko	..	25.9	+30 14	11.4	A7
16	..	25.4	+ 7 59	10.6	A	1258	25.6	+26 5	10.3	K5	..	25.7	+14 42	10.8	Go	1145	25.9	+28 23	9.8	F8
17	..	25.4	+ 7 20	11.1	Ko	1308	25.6	+25 4	9.6	Fo	1288	25.7	+13 42	10.6	A7	1146	25.9	+28 9	10.8	F2
18	..	25.4	+ 7 18	11.2	A7	*1309*	25.6	+24 59	10.0	A7	1179	25.7	+12 32	10.6	Fo	..	25.9	+26 30	10.4	Ao
19	1270	25.4	+ 6 24	11.4	Ko	..	25.6	+24 14	11.4	K5	1206	25.7	+11 36	9.2	Fo	..	25.9	+26 26	11.2	F5
20	..	25.4	+ 6 17	11.2	F8	..	25.6	+20 31	11.6	F	..	25.7	+11 16	10.5	A3	..	25.9	+24 28	10.6	A3
21	1270	25.4	+ 5 56	9.6	Fo	..	25.6	+20 20	11.0	F8	..	25.7	+10 27	11.2	Go	1387	25.9	+23 3	10.6	G5
22	1269	25.4	+ 5 47	10.2	A2	..	25.6	+19 53	11.2	F8	..	25.7	+10 20	11.8	K5	..	25.9	+22 45	10.6	Ao
23	..	25.4	+ 5 43	11.7	K2	..	25.6	+19 36	11.8	A	1160	25.7	+10 11	9.3	A5	1466	25.9	+20 39	10.4	Ko
24	..	25.4	+ 4 25	10.7	Ao	..	25.6	+19 20	11.4	F5	1373	25.7	+ 8 53	10.2	Ko	1467	25.9	+20 22	10.8	Ao
25	1268	25.4	+ 3 56	9.9	A2	1245	25.6	+18 21	9.8	A3	1372	25.7	+ 8 33	9.7	B8	..	25.9	+19 12	11.0	Ao
26	..	25.4	+ 3 13	11.2	K2	..	25.6	+18 8	11.5	K2	1374	25.7	+ 8 15	10.8	F8	..	25.9	+19 10	11.2	A7
27	..	25.4	+ 3 6	11.0	A	1278	25.6	+17 3	10.4	K2	1325	25.7	+ 7 57	10.2	Fo	1247	25.9	+18 27	10.3	Ko
28	1378	25.5	+34 37	10.8	K5	1175	25.6	+16 9	10.0	Ko	..	25.7	+ 7 10	10.7	B2	1281	25.9	+17 9	9.2	F2
29	..	25.5	+32 56	10.8	F8	..	25.6	+14 46	10.8	F8	1272	25.7	+ 5 29	10.4	Ao	1225	25.9	+15 6	9.9	Go
30	1252	25.5	+30 57	10.5	F8	..	25.6	+14 36	11.0	F5	1287	25.7	+ 4 54	10.8	K7	1324	25.9	+14 55	10.0	Fo
31	1253	25.5	+30 34	9.5	Go	..	25.6	+14 32	11.2	F8	..	25.8	+34 31	10.3	A3	..	25.9	+13 0	11.0	A5
32	..	25.5	+30 26	11.8	G5	1205	25.6	+11 19	10.2	A5	..	25.8	+34 12	11.6	F2	1180	25.9	+12 44	10.7	Fo
33	1254	25.5	+29 5	9.8	Fo	1268	25.6	+ 9 30	11.3	K2	1344	25.8	+33 53	10.6	F8	1161	25.9	+10 40	10.4	Ao
34	..	25.5	+27 8	12.0	G	1324	25.6	+ 7 40	10.6	A5	..	25.8	+32 53	12.0	F5	1270	25.9	+ 9 42	10.7	G5
35	..	25.5	+23 39	10.7	A	..	25.6	+ 7 33	11.0	A	1322	25.8	+32 45	10.4	A5	..	25.9	+ 9 6	11.3	G5
36	1386	25.5	+23 32	10.4	A2	..	25.6	+ 6 48	10.6	A3	..	25.8	+31 15	11.4	A5	..	25.9	+ 8 48	10.4	Go
37	..	25.5	+23 10	10.9	A2	..	25.6	+ 6 42	10.7	B5	1259	25.8	+26 55	9.4	F2	..	25.9	+ 8 29	10.5	B3
38	..	25.5	+23 1	10.9	G5	1272	25.6	+ 6 28	11.0	Go	1260	25.8	+26 48	10.8	Ko	1376	25.9	+ 8 24	10.9	K2
39	..	25.5	+20 50	11.4	A	..	25.6	+ 4 15	11.2	Go	..	25.8	+25 34	10.6	A	..	25.9	+ 6 29	11.2	Go
40	1460	25.5	+20 26	11.4	K2	1380	25.7	+34 34	10.4	B8	..	25.8	+24 28	11.2	G	1274	25.9	+ 5 53	9.9	A2
41	1461	25.5	+20 12	10.7	F5	..	25.7	+34 20	10.7	B9	..	25.8	+24 9	10.7	F8	1273	25.9	+ 3 49	10.4	A2
42	1462	25.5	+20 5	10.5	A2	..	25.7	+33 33	10.8	A7	..	25.8	+22 59	10.8	A2	1324	26.0	+31 9	10.6	G5
43	..	25.5	+19 41	11.1	F8	..	25.7	+33 21	11.9	G	1363	25.8	+22 47	10.4	Ao	1255	26.0	+30 36	10.7	Ao
44	1323	25.5	+14 15	10.7	F5	..	25.7	+29 14	11.3	G5	1274	25.8	+21 28	9.9	Fo	1257	26.0	+29 13	10.0	F8
45	..	25.5	+13 59	11.2	Go	1256	25.7	+29 7	10.0	F8	1465	25.8	+20 45	10.0	Ao	1147	26.0	+28 30	10.4	Go
46	..	25.5	+13 57	11.2	G5	..	25.7	+28 43	12.2	K5	1464	25.8	+20 41	10.7	G5	..	26.0	+26 35	11.0	Ao
47	..	25.5	+10 51	11.1	Go	..	25.7	+28 6	11.8	Ko	1279	25.8	+17 40	10.2	Ko	..	26.0	+24 26	11.0	G5
48	..	25.5	+10 15	11.8	K	..	25.7	+27 55	11.8	Ko	1280	25.8	+17 12	9.2	A7	..	26.0	+24 12	10.8	Fo
49	1266	25.5	+ 9 52	9.8	B8	..	25.7	+27 19	11.8	A3	1176	25.8	+16 45	9.2	Fo	..	26.0	+23 0	11.1	K2
50	..	25.5	+ 9 16	11.3	A	..	25.7	+26 39	11.8	K2	..	25.8	+14 44	10.8	A5	..	26.0	+22 59	10.8	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	26.0	+22 3	10.7	Fo	..	26.1	+ 7 1	11.4	A	1328	26.3	+14 3	10.2	F5	..	26.4	+ 5 20	11.2	A2
2	..	26.0	+20 27	11.0	Ao	1276	26.1	+ 5 52	10.4	Go	*1329*	26.3	+13 59	11.0	F8	..	26.4	+ 3 58	11.8	K2
3	..	26.0	+19 42	11.0	F5	..	26.1	+ 4 26	11.0	A2	1210	26.3	+11 16	10.6	Ko	1387	26.5	+34 20	10.8	Go
4	..	26.0	+19 11	11.8	K5	1277	26.1	+ 3 53	10.4	Ao	..	26.3	+11 2	11.0	K	1386	26.5	+34 14	9.9	A7
5	..	26.0	+18 46	11.2	Ko	1276	26.1	+ 3 20	10.8	K5	1164	26.3	+10 20	10.6	A3	..	26.5	+33 35	10.6	A3
6	1282	26.0	+17 44	9.9	G5	1385	26.2	+34 14	10.4	F2	..	26.3	+ 9 44	11.0	A7	1350	26.5	+33 10	10.7	K2
7	1283	26.0	+17 9	10.0	Fo	1326	26.2	+32 45	9.5	A2	1273	26.3	+ 9 9	9.4	Ao	1262	26.5	+29 49	10.2	Ko
8	1226	26.0	+15 25	9.6	Go	1326	26.2	+31 27	11.0	F8	..	26.3	+ 8 42	10.0	Fo	..	26.5	+29 36	12.0	K7
9	1182	26.0	+12 57	10.1	Go	..	26.2	+30 31	11.0	G5	..	26.3	+ 8 29	10.9	F8	1261	26.5	+29 14	9.8	F8
10	1181	26.0	+12 50	10.4	F8	..	26.2	+30 24	11.9	F2	..	26.3	+ 8 16	11.3	K2	..	26.5	+27 37	11.8	A
11	..	26.0	+12 19	11.0	Fo	1259	26.2	+29 58	11.3	G5	..	26.3	+ 6 59	10.8	Go	1312	26.5	+25 4	10.8	Fo
12	..	26.0	+ 8 20	10.9	A2	1149	26.2	+28 15	11.2	K2	1295	26.3	+ 4 54	9.0	B3	..	26.5	+25 1	11.2	G
13	1329	26.0	+ 7 41	10.5	A3	..	26.2	+27 42	12.0	A5	..	26.3	+ 4 52	10.6	F8	1371	26.5	+22 14	11.2	K2
14	1328	26.0	+ 7 2	10.9	Mo	..	26.2	+27 22	11.8	Ko	1297	26.3	+ 4 24	10.5	F5	..	26.5	+21 2	11.4	A
15	..	26.0	+ 6 26	10.6	K5	..	26.2	+27 4	12.0	K2	..	26.4	+34 26	11.4	Go	1382	26.5	+19 27	10.3	F2
16	1273	26.0	+ 6 24	9.8	A5	..	26.2	+26 38	11.3	Go	1349	26.4	+33 43	10.3	K2	..	26.5	+18 28	10.6	F8
17	..	26.0	+ 6 19	11.6	F5	..	26.2	+21 55	11.3	A5	..	26.4	+32 28	11.0	F2	..	26.5	+18 20	10.2	Ao
18	..	26.0	+ 6 11	10.7	Go	..	26.2	+19 57	11.1	F8	..	26.4	+31 11	11.6	F2	..	26.5	+18 8	11.4	A
19	..	26.0	+ 6 7	10.4	A3	..	26.2	+19 22	11.1	B8	..	26.4	+29 31	11.2	Go	1181	26.5	+16 7	10.1	F2
20	..	26.0	+ 5 44	11.8	A	1179	26.2	+16 36	10.6	A3	1260	26.4	+29 6	11.6	K5	..	26.5	+13 17	11.1	F2
21	1275	26.0	+ 5 44	10.3	Fo	1227	26.2	+15 27	10.3	G5	..	26.4	+28 6	11.4	K7	..	26.5	+12 44	11.2	G5
22	..	26.0	+ 5 29	11.2	Ao	1327	26.2	+14 36	10.6	Go	..	26.4	+27 1	11.5	F8	1212	26.5	+11 40	10.4	G5
23	1274	26.0	+ 3 33	10.2	Go	1163	26.2	+10 24	10.0	A2	..	26.4	+26 29	11.6	K2	..	26.5	+ 9 57	11.1	G5
24	1275	26.0	+ 3 31	10.2	A2	..	26.2	+ 9 47	10.8	A5	..	26.4	+25 10	10.8	A5	1331	26.5	+ 7 41	10.7	A3
25	..	26.1	+34 16	11.0	K7	1272	26.2	+ 9 33	10.6	Ko	..	26.4	+24 40	10.7	A2	..	26.5	+ 7 5	12.2	K5
26	1346	26.1	+33 57	10.2	A7		26.2	+ 9 33	10.6	Ko	1368	26.4	+22 56	10.2	Go	..	26.5	+ 5 51	11.2	G
27	1347	26.1	+33 52	10.4	F2	..	26.2	+ 8 55	10.5	Ao	1369	26.4	+22 54	10.4	F5	1327	26.6	+32 31	11.0	F8
28	1348	26.1	+33 44	9.8	K2	1377	26.2	+ 8 16	9.8	Ao	1370	26.4	+22 54	10.4	Go	1328	26.6	+31 51	10.8	K2
29	1325	26.1	+32 53	11.0	K2	..	26.2	+ 7 18	11.2	F	1367	26.4	+22 5	10.0	Ao	..	26.6	+31 37	12.2	G5
30	..	26.1	+32 48	10.8	Go	1274	26.2	+ 6 32	10.2	K5	..	26.4	+20 59	11.4	F	1329	26.6	+31 25	10.3	G5
31	1325	26.1	+31 23	10.1	Ao	..	26.2	+ 6 30	10.7	Fo	..	26.4	+20 26	11.9	Ko	1327	26.6	+31 1	10.6	K5
32	..	26.1	+31 1	12.2	K7	1275	26.2	+ 6 14	9.6	B	..	26.4	+20 15	11.2	Ao	..	26.6	+30 48	12.2	Ko
33	..	26.1	+30 36	11.1	G5	1277	26.2	+ 5 34	10.2	B8	..	26.4	+19 54	var.	Ao	1152	26.6	+28 24	9.6	F2
34	1148	26.1	+28 51	9.5	A2	..	26.2	+ 5 17	11.2	Go	..	26.4	+19 30	11.4	A	1264	26.6	+26 50	9.3	Fo
35	1310	26.1	+25 52	10.5	A5	1293	26.2	+ 4 48	9.6	B8	1249	26.4	+18 49	11.3	Ko	1263	26.6	+26 27	10.6	K2
36	1298	26.1	+24 24	10.0	F5	1292	26.2	+ 4 42	10.6	G5	1248	26.4	+18 44	10.5	A3	..	26.6	+24 30	11.4	Go
37	..	26.1	+24 22	11.0	Go	1294	26.2	+ 4 34	10.3	Go	..	26.4	+17 9	11.2	Go	..	26.6	+24 24	11.3	A
38	1388	26.1	+23 53	9.8	A2	..	26.2	+ 4 8	11.8	Ko	1180	26.4	+16 55	10.1	A3	..	26.6	+23 48	10.7	Ao
39	1365	26.1	+22 19	10.4	A3	1278	26.2	+ 3 50	10.6	Go	..	26.4	+16 0	10.8	Fo	..	26.6	+23 44	11.7	K7
40	1366	26.1	+22 8	10.9	Ko	1151	26.3	+28 20	10.8	F2	..	26.4	+14 44	10.2	A2	1390	26.6	+23 26	10.1	A2
41	..	26.1	+21 50	10.8	Go	1150	26.3	+28 10	10.7	Fo	1293	26.4	+13 17	10.2	K2	1389	26.6	+23 11	10.2	M3
42	1275	26.1	+21 46	9.8	B9	..	26.3	+27 36	12.1	A	1291	26.4	+13 14	10.2	F5	1372	26.6	+22 0	9.6	Fo
43	..	26.1	+21 43	11.2	K5	..	26.3	+26 58	11.9	A2	1292	26.4	+13 8	10.0	F2	..	26.6	+20 54	11.2	Ao
44	..	26.1	+19 44	10.4	Ao	1262	26.3	+26 4	11.2	K7	1211	26.4	+11 12	10.8	K2	..	26.6	+18 58	12.0	K5
45	1325	26.1	+14 38	9.9	A2	..	26.3	+23 29	10.6	G5	..	26.4	+ 9 23	11.2	F	..	26.6	+18 13	10.9	Ao
46	1326	26.1	+14 17	9.7	Ao	1469	26.3	+20 53	10.3	A2	..	26.4	+ 9 15	11.3	G	1182	26.6	+16 54	10.8	Mo
47	1290	26.1	+13 16	10.8	Ko	..	26.3	+20 33	11.2	Ao	1378	26.4	+ 8 28	10.5	B5	..	26.6	+16 42	11.2	A7
48	1162	26.1	+10 51	10.4	G5	1470	26.3	+20 9	10.7	F8	1330	26.4	+ 7 7	10.5	B8	..	26.6	+16 33	11.2	F8
49	..	26.1	+10 8	10.8	A3	..	26.3	+15 53	11.8	Fo	..	26.4	+ 6 42	10.9	Fo	1331	26.6	+14 56	9.2	Fo
50	..	26.1	+ 8 56	10.4	B9	1228	26.3	+15 12	10.7	G5	..	26.4	+ 6 29	10.8	Go	1294	26.6	+13 57	9.6	Go

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259100 — $6^h\ 26^m.6$ to $6^h\ 27^m.2$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1183	26.6	+12 20	10.6	F5	..	26.8	+25 45	11.8	K7	..	26.9	+ 9 5	11.2	G5	..	27.1	+22 0	10.9	A0
2	..	26.6	+ 8 23	11.1	A0	..	26.8	+25 40	11.1	A	..	26.9	+ 8 28	11.2	A2	1282	27.1	+21 14	11.2	K2
3	1277	26.6	+ 6 51	10.0	B9	1315	26.8	+25 24	10.4	K5	..	26.9	+ 8 18	11.4	A	..	27.1	+20 9	11.4	A
4	..	26.6	+ 6 26	11.2	A	..	26.8	+23 48	10.4	A5	..	26.9	+ 8 3	10.8	A0	..	27.1	+19 25	11.0	A0
5	1281	26.6	+ 5 0	9.8	B	..	26.8	+20 7	11.3	F	..	26.9	+ 7 42	11.5	G0	..	27.1	+18 57	11.4	A0
6	..	26.6	+ 4 44	10.4	B9	1384	26.8	+19 25	10.8	K2	..	26.9	+ 7 28	10.8	G0	1188	27.1	+16 14	10.2	F2
7	1298	26.6	+ 4 18	10.1	A2	..	26.8	+19 8	11.6	A3	1333	26.9	+ 7 20	10.2	F8	..	27.1	+16 10	11.3	A
8	1351	26.7	+33 7	10.0	F5	1253	26.8	+18 53	11.4	K0	..	26.9	+ 7 15	10.7	B9	1298	27.1	+13 36	10.2	A7
9	1328	26.7	+32 7	10.9	F0	1252	26.8	+18 15	10.2	K7	..	26.9	+ 6 23	10.7	F8	..	27.1	+13 25	11.0	G0
10	..	26.7	+31 40	11.8	G0	1183	26.8	+16 36	9.4	G5	..	26.9	+ 5 1	11.2	A0	1299	27.1	+13 19	10.5	F0
11	..	26.7	+28 48	11.6	A2	1184	26.8	+16 30	10.6	F2	..	26.9	+ 3 39	11.8	F5	..	27.1	+13 9	11.2	A7
12	*1313*	26.7	+24 59	10.4	A0	1295	26.8	+13 7	11.4	K5	1389	27.0	+34 29	11.0	G5	1187	27.1	+12 55	9.7	A3
13	..	26.7	+24 36	10.8	A5	1274	26.8	+ 9 13	9.2	B3	..	27.0	+34 15	11.8	G5	..	27.1	+11 59	11.0	A5
14	..	26.7	+24 24	11.8	K0	..	26.8	+ 9 7	11.0	F0	..	27.0	+33 41	11.2	F0	1275	27.1	+ 9 34	9.0	A7
15	1391	26.7	+23 9	10.1	K0	..	26.8	+ 8 33	11.0	A5	1158	27.0	+28 38	9.9	A0	..	27.1	+ 8 58	10.7	K0
16	1373	26.7	+22 11	11.2	G5	..	26.8	+ 8 15	11.3	A0	..	27.0	+28 33	11.7	K0	..	27.1	+ 8 6	11.4	K2
17	1278	26.7	+21 4	10.2	B9	..	26.8	+ 7 49	11.2	K5	..	27.0	+28 0	10.4	G0	1288	27.1	+ 5 19	10.0	B9
18	1277	26.7	+21 3	9.6	G0	..	26.8	+ 7 36	11.4	A3	1143	27.0	+27 46	9.5	A7	..	27.1	+ 5 7	11.1	A0
19	1471	26.7	+20 57	9.4	G5	1332	26.8	+ 7 33	10.8	A3	..	27.0	+26 52	11.7	A3	..	27.1	+ 4 47	11.5	M
20	1383	26.7	+19 14	11.4	K0	..	26.8	+ 6 17	10.5	B9	1301	27.0	+24 29	10.4	G5	..	27.1	+ 4 44	10.4	A0
21	..	26.7	+18 42	11.3	A0	..	26.8	+ 5 17	10.8	F8	1395	27.0	+23 25	10.5	K0	1283	27.1	+ 3 33	10.2	A0
22	..	26.7	+18 38	11.6	G5	..	26.8	+ 5 9	10.6	A5	1472	27.0	+20 33	10.9	F5	1286	27.1	+ 3 33	10.8	K0
23	..	26.7	+18 30	11.1	F8	1301	26.8	+ 4 35	9.9	A0	1385	27.0	+19 16	11.2	F8	1284	27.1	+ 3 26	9.8	B9
24	1251	26.7	+18 11	10.6	K0	..	26.8	+ 3 33	11.8	A0	..	27.0	+17 15	10.7	F2	1264	27.2	+29 44	8.8	F5
25	1250	26.7	+18 10	11.0	K0	1281	26.8	+ 3 8	10.7	G	1186	27.0	+16 44	9.8	F0	..	27.2	+29 27	10.2	A2
26	1231	26.7	+15 21	10.0	F2	1282	26.8	+ 3 2	10.1	G0	..	27.0	+15 54	11.7	F5	1159	27.2	+28 44	9.2	B9
27	1332	26.7	+14 4	9.4	F2	..	26.9	+34 30	12.0	K0	..	27.0	+15 54	11.8	G	1267	27.2	+26 41	10.4	K5
28	1297	26.7	+13 33	10.6	F0	1355	26.9	+33 44	10.4	K7	1186	27.0	+12 54	9.5	F0	1302	27.2	+24 45	10.6	A0
29	1184	26.7	+12 15	10.6	M0	1258	26.9	+30 9	10.3	A0	..	27.0	+11 27	11.2	K5	..	27.2	+23 23	11.2	A
30	1165	26.7	+10 27	10.5	G0	1153	26.9	+28 44	11.1	K7	1169	27.0	+10 43	9.7	A5	..	27.2	+22 33	10.8	G0
31	..	26.7	+ 8 9	11.2	A5	1155	26.9	+28 6	10.8	F8	1168	27.0	+10 32	9.9	F0	..	27.2	+20 57	11.2	A3
32	..	26.7	+ 6 42	10.8	A0	1266	26.9	+26 58	10.5	G0	..	27.0	+10 3	10.6	K2	1476	27.2	+20 35	10.8	K5
33	1284	26.7	+ 5 25	10.7	G5	..	26.9	+26 32	10.6	K0	..	27.0	+ 8 50	11.2	A	1474	27.2	+20 20	10.8	F8
34	..	26.7	+ 5 17	10.6	G0	1265	26.9	+26 21	10.0	F5	..	27.0	+ 8 22	11.2	A2	1475	27.2	+20 8	10.4	K7
35	1299	26.7	+ 4 55	8.9	B2	..	26.9	+25 37	11.2	K7	..	27.0	+ 8 11	10.9	A2	..	27.2	+18 54	10.8	A5
36	..	26.7	+ 4 13	11.0	K0	..	26.9	+24 26	11.1	A7	*1334*	27.0	+ 6 59	11.1	A2	1289	27.2	+17 56	11.6	K5
37	1300	26.7	+ 4 10	11.6	K5	1300	26.9	+24 22	10.2	K5	..	27.0	+ 6 45	10.6	A7	1290	27.2	+17 9	10.8	G0
38	..	26.7	+ 3 14	11.2	K0	1393	26.9	+23 35	10.5	A7	..	27.0	+ 5 8	11.0	A5	..	27.2	+16 33	11.2	F5
39	..	26.8	+34 27	11.1	F0	1392	26.9	+23 21	9.2	A2	1303	27.0	+ 4 15	10.3	B9	..	27.2	+16 26	10.8	F2
40	..	26.8	+33 45	11.0	K0	..	26.9	+23 3	11.4	G5	..	27.0	+ 4 7	11.2	A	1234	27.2	+15 4	10.4	K2
41	..	26.8	+33 13	11.2	G	..	26.9	+22 53	10.8	G0	..	27.0	+ 4 3	10.8	A0	..	27.2	+13 23	10.9	A2
42	1353	26.8	+33 1	9.9	F5	..	26.9	+22 5	11.0	A3	..	27.0	+ 3 57	11.0	F8	1188	27.2	+12 16	10.2	F5
43	*1352*	26.8	+32 58	10.3	K5	1279	26.9	+21 32	9.6	A7	1329	27.1	+32 19	10.3	K0	..	27.2	+ 8 24	11.6	K5
44	..	26.8	+31 35	11.9	K5	..	26.9	+18 38	11.6	A	..	27.1	+31 35	11.6	K0	1336	27.2	+ 7 51	10.2	B8
45	1257	26.8	+30 26	10.7	K0	1254	26.9	+18 24	9.4	B8	..	27.1	+26 6	10.4	A0	1335	27.2	+ 7 33	10.4	A0
46	..	26.8	+30 2	11.5	A0	1185	26.9	+16 21	10.7	G0	1396	27.1	+23 52	9.7	A5	..	27.2	+ 7 5	11.4	K5
47	..	26.8	+29 46	12.0	G0	..	26.9	+13 48	11.3	G0	1397	27.1	+23 46	10.1	A0	..	27.2	+ 6 53	11.5	A
48	1142	26.8	+27 47	9.8	A3	1185	26.9	+12 49	9.4	B9	..	27.1	+23 11	10.2	A3	..	27.2	+ 5 42	11.0	A0
49	..	26.8	+27 32	11.9	G	1167	26.9	+10 21	10.2	G0	..	27.1	+23 2	10.5	A0	1289	27.2	+ 5 7	10.6	F0
50	..	26.8	+27 8	11.7	K0	1166	26.9	+10 2	10.0	G5	1376	27.1	+22 46	10.4	G5	..	27.2	+ 5 1	10.9	A0

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	..	27.2	+ 4 40	10.7	Ao
2	..	27.2	+ 4 5	11.1	Go
3	1287	27.2	+ 3 39	9.9	A3
4	..	27.2	+ 3 32	12.2	M
5	..	27.3	+34 9	11.1	A3
6	1330	27.3	+32 50	10.6	K2
7	1260	27.3	+30 54	11.2	Mo
8	..	27.3	+30 12	11.5	A5
9	1265	27.3	+29 21	10.6	F8
10	..	27.3	+28 21	12.0	Ao
11	1145	27.3	+27 55	12.1	K5
12	..	27.3	+27 8	11.6	A5
13	..	27.3	+26 8	11.2	F
14	1269	27.3	+26 3	11.3	Ko
15	1378	27.3	+22 6	10.4	F5
16	..	27.3	+21 16	11.0	A5
17	1477	27.3	+20 4	11.0	Go
18	1388	27.3	+19 2	11.1	G5
19	..	27.3	+18 43	10.9	F8
20	..	27.3	+18 26	10.5	Go
21	1255	27.3	+18 12	9.6	Ao
22	1189	27.3	+16 4	10.8	F8
23	1235	27.3	+15 15	9.7	Ko
24	1300	27.3	+13 6	9.3	F8
25	..	27.3	+11 24	11.4	K7
26	..✓	27.3	+ 9 5	11.2	F5
27	1381	27.3	+ 8 38	10.1	G5
28	1382	27.3	+ 8 11	10.4	A3
29	..	27.3	+ 8 3	11.2	A5
30	..	27.3	+ 7 39	11.4	G5
31	..	27.3	+ 7 27	10.8	A2
32	1305	27.3	+ 4 49	10.9	K5
33		27.3	+ 4 49	10.8	A5
34	..	27.3	+ 3 23	12.0	A
35	..	27.3	+ 3 21	11.8	A
36	1288	27.3	+ 3 0	11.1	K5
37	1390	27.4	+34 39	10.4	F2
38	..	27.4	+34 10	11.0	G5
39	1331	27.4	+32 8	10.5	G5
40	..	27.4	+31 44	11.4	A
41	1331	27.4	+31 44	10.2	B9
42	1261	27.4	+30 20	var.	M3
43	..	27.4	+30 7	11.8	Ao
44	..	27.4	+29 17	11.2	G5
45	..	27.4	+28 42	11.6	F8
46	1161	27.4	+28 34	11.3	F5
47	1146	27.4	+27 42	10.2	F8
48	..	27.4	+27 14	11.4	Ko
49	1270	27.4	+26 34	11.0	K7
50	..	27.4	+25 53	11.5	K5

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
1304	27.4	+24 47	10.7	K2
..	27.4	+23 56	11.1	Go
1379	27.4	+22 37	10.5	Ko
..	27.4	+22 21	11.0	A2
..	27.4	+20 58	11.0	A5
1478	27.4	+20 34	11.3	K2
..	27.4	+20 5	10.6	Ao
..	27.4	+20 2	11.0	K2
..	27.4	+17 59	11.7	A
1293	27.4	+17 23	11.0	Mo
1292	27.4	+17 8	10.6	Go
1236	27.4	+15 54	10.4	M3
1334	27.4	+14 42	10.4	A2
1335	27.4	+14 33	10.4	A2
1333	27.4	+14 20	10.2	Fo
..	27.4	+13 14	10.8	F5
1189	27.4	+12 32	10.6	A3
1190	27.4	+12 26	9.4	F5
1384	27.4	+ 8 48	10.3	Ko
1383	27.4	+ 8 42	10.1	F5
..	27.4	+ 7 10	11.8	A
..	27.4	+ 6 24	11.8	A
..	27.4	+ 6 3	10.8	A3
..	27.4	+ 5 43	11.8	A
..	27.4	+ 5 17	11.9	A
..	27.4	+ 4 33	11.2	K5
..	27.4	+ 3 13	10.6	F5
..	27.5	+33 39	11.5	F5
..	27.5	+33 6	10.9	A5
1332	27.5	+31 59	10.4	A7
1266	27.5	+29 35	11.3	K5
1267	27.5	+29 22	11.4	Ko
1162	27.5	+28 26	10.4	Fo
..	27.5	+26 36	11.8	A
..	27.5	+24 13	11.6	G
..	27.5	+24 6	11.3	K5
1381	27.5	+22 27	10.0	A7
..	27.5	+22 19	10.8	Ao
1380	27.5	+22 14	10.6	Mo
..	27.5	+21 31	10.4	B8
..	27.5	+21 17	11.2	F
1389	27.5	+19 6	10.6	Ko
1294	27.5	+17 29	9.2	F2
..	27.5	+17 23	11.4	K5
..	27.5	+17 0	10.6	A5
..	27.5	+16 31	10.8	A5
..	27.5	+16 2	11.4	F5
..	27.5	+12 58	11.2	Go
..	27.5	+12 30	10.8	A7
1215	27.5	+11 32	10.8	Ao

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
..	27.5	+11 26	11.3	K2
..	27.5	+ 8 47	10.9	Ao
1385	27.5	+ 8 33	10.7	Go
1386	27.5	+ 8 26	10.2	B9
..	27.5	+ 6 47	11.0	B8
1306	27.5	+ 4 20	11.0	Go
..	27.5	+ 4 8	11.1	A7
1291	27.5	+ 3 9	10.2	A5
1292	27.5	+ 3 9	10.8	Ao
..	27.6	+33 41	11.4	G5
..	27.6	+33 37	11.8	F8
1332	27.6	+31 54	11.0	Fo
1333	27.6	+31 14	10.2	F8
1269	27.6	+29 16	10.7	Ko
1268	27.6	+29 13	10.5	K5
..	27.6	+28 21	11.8	K2
1164	27.6	+28 3	10.3	F5
1147	27.6	+27 28	11.1	A7
..	27.6	+26 46	11.0	A2
..	27.6	+26 32	10.6	A2
1319	27.6	+25 0	10.1	A2
1382	27.6	+22 5	10.4	K2
1283	27.6	+21 55	10.7	Go
..	27.6	+21 14	11.1	G
1258	27.6	+18 39	9.3	Go
..	27.6	+18 23	11.3	A
1295	27.6	+16 58	11.5	Mo
1302	27.6	+13 26	10.2	Go
..	27.6	+12 58	11.1	G5
..	27.6	+12 52	11.0	Fo
1172	27.6	+10 24	9.0	B3
1276✓	27.6	+ 9 31	11.4	K7
..	27.6	+ 8 12	11.1	A5
..	27.6	+ 7 49	11.4	A5
..	27.6	+ 7 13	10.8	Ao
1281	27.6	+ 6 50	10.3	B9
..	27.6	+ 6 32	10.2	A2
1280	27.6	+ 6 14	10.1	Ao
..	27.6	+ 6 4	12.2	K
1291	27.6	+ 5 52	9.6	Bo
..	27.6	+ 5 46	11.0	Ao
1293	27.6	+ 3 22	10.4	A7
..	27.6	+ 3 15	11.0	Ao
..	27.7	+34 17	12.0	Go
1358	27.7	+33 15	9.4	B9
..	27.7	+33 0	11.7	K5
1333	27.7	+32 36	10.7	F5
1334	27.7	+31 4	9.2	Ao
..	27.7	+30 14	12.1	Mo
1262	27.7	+30 2	10.7	F8

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
..	27.7	+29 42	11.4	A
1271	27.7	+26 44	9.0	A3
1320	27.7	+25 23	10.4	G5
..	27.7	+25 8	10.9	F
1305	27.7	+24 8	9.3	A2
1401	27.7	+23 27	9.1	G5
1402	27.7	+23 8	9.9	F2
..	27.7	+22 25	10.9	F2
..	27.7	+22 16	11.0	Ao
1480	27.7	+20 46	11.0	Go
1481	27.7	+20 13	11.1	G5
1260	27.7	+18 54	10.3	A2
1190	27.7	+16 34	10.1	Ko
1237	27.7	+15 27	10.3	F5
..	27.7	+15 15	11.4	A3
..	27.7	+14 36	11.1	G
..	27.7	+14 30	11.0	Go
1337	27.7	+14 27	10.9	K5
1336	27.7	+14 14	10.6	Go
..	27.7	+13 56	11.2	Go
..	27.7	+12 53	10.9	Go
1191	27.7	+12 24	10.4	F8
1192	27.7	+12 2	11.2	F8
1173	27.7	+10 3	10.2	Go
1174	27.7	+10 1	10.0	Ao
1338	27.7	+ 7 8	10.0	B8
..	27.7	+ 6 3	11.0	A2
..	27.7	+ 5 44	12.0	A2
1294	27.7	+ 5 14	11.8	K5
1292	27.7	+ 5 7	9.2	B8
1293	27.7	+ 5 1	9.6	B3
1294	27.7	+ 3 34	10.0	Ko
1359	27.8	+33 33	10.7	F5
1336	27.8	+31 38	11.3	A2
1335	27.8	+31 12	10.6	A3
..	27.8	+30 41	11.4	Fo
1150	27.8	+27 57	10.2	Ko
1149	27.8	+27 38	10.4	Fo
1272	27.8	+26 51	9.8	Ko
..	27.8	+26 43	11.0	Go
..	27.8	+26 28	11.1	Fo
..	27.8	+26 1	11.4	Go
..	27.8	+24 20	11.0	F8
1306	27.8	+24 14	9.3	B
..	27.8	+20 27	11.2	G5
1390	27.8	+19 16	11.4	Go
..	27.8	+18 46	11.6	Go
..	27.8	+17 54	11.4	A
..	27.8	+15 33	11.2	G5
..	27.8	+14 32	10.6	A3

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	27.8	+13 25	11.4	Fo	1482	28.0	+20 49	10.0	Go	..	28.1	+ 6 7	11.0	A3	..	28.3	+12 32	11.1	A
2	..	27.8	+12 28	11.0	A5	1483	28.0	+20 41	11.2	Mo	..	28.1	+ 3 34	11.0	Go	..	28.3	+12 11	10.6	B3
3	..	27.8	+12 11	11.0	A3	..	28.0	+18 47	11.6	A	1296	28.1	+ 3 28	10.6	K5	..	28.3	+ 9 58	10.2	Ao
4	1387	27.8	+ 8 45	10.0	Ao	..	28.0	+17 2	11.0	A2	*1397*	28.2	+33 58	10.2	A7	1277	28.3	+ 9 15	8.8	K2
5	..	27.8	+ 7 49	11.4	Ao	1191	28.0	+16 44	10.6	F5	..	28.2	+33 22	11.3	A7	1342	28.3	+ 7 58	9.8	Go
6	..	27.8	+ 6 37	11.1	Ao	..	28.0	+15 22	11.7	G	1335	28.2	+32 53	11.3	Fo	1283	28.3	+ 6 18	10.5	Ao
7	..	27.8	+ 6 29	11.0	F8	1340	28.0	+14 19	10.4	Go	..	28.2	+32 22	11.2	F8	1284	28.3	+ 6 2	10.3	K2
8	..	27.8	+ 5 47	10.4	A2	1341	28.0	+14 1	10.2	G5	..	28.2	+31 15	11.8	G5	..	28.3	+ 5 59	11.0	Go
9	..	27.8	+ 5 19	11.6	Go	1305	28.0	+13 0	9.4	Ao	1272	28.2	+29 28	8.9	A5	1297	28.3	+ 3 52	10.6	G5
10	..	27.8	+ 5 12	10.6	B5	..	28.0	+12 32	11.2	Fo	1165	28.2	+28 52	11.6	Ao	1298	28.3	+ 3 10	10.8	F8
11	1310	27.8	+ 4 57	10.3	A2	..	28.0	+12 18	11.3	Ko	1274	28.2	+26 31	10.4	K7	1265	28.4	+30 20	9.2	A3
12	1308	27.8	+ 4 52	10.2	Fo	1218	28.0	+11 35	10.3	A5	..	28.2	+23 36	11.2	F5	1264	28.4	+30 3	10.5	Ko
13	1307	27.8	+ 4 40	11.1	K2	1177	28.0	+10 13	10.3	Ko	..	28.2	+22 1	11.0	Ao	1273	28.4	+29 46	10.8	Ko
14	1309	27.8	+ 4 10	10.3	G5	..	28.0	+ 8 7	11.5	F5	..	28.2	+21 51	11.4	K2	1274	28.4	+29 26	10.0	M3
15	1392	27.9	+34 23	10.2	K2	..	28.0	+ 7 53	11.4	G	..	28.2	+21 38	10.8	Go	..	28.4	+28 21	11.6	Go
16	1337	27.9	+31 5	9.7	G5	..	28.0	+ 7 5	10.9	Ao	1485	28.2	+20 45	10.0	B9	..	28.4	+28 6	12.0	Ko
17	1270	27.9	+29 21	9.2	Ao	..	28.0	+ 6 55	11.3	F8	1484	28.2	+20 2	10.2	A2	1152	28.4	+27 45	10.6	F2
18	..	27.9	+24 37	10.9	G5	..	28.0	+ 5 0	11.6	K5	1263	28.2	+18 52	10.2	B9	..	28.4	+27 26	12.0	Ko
19	..	27.9	+20 32	11.1	A	1394	28.1	+34 28	9.9	Ao	..	28.2	+18 41	11.2	Ao	..	28.4	+26 9	11.1	Go
20	1262	27.9	+18 48	9.6	A2	..	28.1	+33 52	10.2	Ao	..	28.2	+18 25	10.6	Ao	*1275*	28.4	+25 59	10.8	K2
21	1261	27.9	+18 8	9.6	Fo	..	28.1	+33 13	11.4	F8	1239	28.2	+15 8	9.7	Fo	1322	28.4	+25 13	9.2	B9
22	..	27.9	+17 23	11.4	A	..	28.1	+32 7	11.6	G	..	28.2	+14 58	11.0	Go	1406	28.4	+23 54	9.8	Ao
23	1238	27.9	+15 16	10.5	G5	1339	28.1	+31 0	10.4	Ao	..	28.2	+14 3	10.7	A5	..	28.4	+23 19	11.3	K7
24	..	27.9	+14 56	11.7	A	1263	28.1	+30 4	11.4	A5	..	28.2	+13 52	10.8	A5	..	28.4	+22 30	10.8	Ao
25	..	27.9	+13 16	11.2	F5	..	28.1	+29 41	11.9	Ko	..	28.2	+13 36	11.0	Go	1388	28.4	+22 7	9.8	Ko
26	1304	27.9	+13 7	10.2	K5	..	28.1	+29 17	10.4	F8	1307	28.2	+13 35	9.8	Ko	..	28.4	+21 59	11.0	Ao
27	1217	27.9	+11 47	9.8	A2	1271	28.1	+29 12	10.2	Ko	..	28.2	+12 29	11.3	F2	..	28.4	+20 23	11.4	K2
28	1175	27.9	+10 41	9.8	Ao	..	28.1	+27 41	10.7	F8	1221	28.2	+11 19	10.0	F5	..	28.4	+18 59	10.8	G5
29	..	27.9	+ 8 45	12.1	A	..	28.1	+27 17	12.0	G	1220	28.2	+11 15	10.0	B9	1265	28.4	+18 49	9.4	Go
30	..	27.9	+ 7 57	11.0	A2	..	28.1	+26 56	11.0	F2	1222	28.2	+11 7	10.8	K2	..	28.4	+17 29	10.9	A7
31	..	27.9	+ 7 54	12.0	A	..	28.1	+26 49	11.9	Ko	1389	28.2	+ 8 6	9.2	B5	1240	28.4	+15 1	10.1	Ao
32	1312	27.9	+ 4 40	9.8	Ao	1312	28.1	+24 34	9.8	Go	..	28.2	+ 7 11	11.0	Ao	..	28.4	+14 42	10.9	Go
33	..	27.9	+ 4 32	10.8	Go	1310	28.1	+24 19	9.5	A3	..	28.2	+ 6 49	10.9	F2	1309	28.4	+13 8	10.4	Fo
34	1313	27.9	+ 4 3	10.4	K2	1405	28.1	+23 49	10.7	F8	1297	28.2	+ 5 22	10.0	B9	..	28.4	+11 17	10.7	Ko
35	..	27.9	+ 3 37	12.0	F	1385	28.1	+22 51	10.8	G5	1296	28.2	+ 5 7	10.3	Go	..	28.4	+10 26	10.8	G5
36	1393	28.0	+34 11	10.4	K5	1387	28.1	+22 10	10.0	Go	1315	28.2	+ 4 55	10.9	A3	1181	28.4	+10 7	9.9	K2
37	1360	28.0	+33 30	10.8	K5	..	28.1	+22 1	11.2	Ao	..	28.2	+ 4 50	11.2	A	..	28.4	+ 9 44	11.2	G5
38	1334	28.0	+32 29	10.2	F8	..	28.1	+21 34	10.3	A2	..	28.2	+ 3 40	10.8	A7	1278	28.4	+ 9 33	10.0	F5
39	..	28.0	+30 56	11.5	F5	..	28.1	+18 49	11.2	A3	..	28.2	+ 3 2	10.2	Ao	..	28.4	+ 9 3	11.0	A2
40	..	28.0	+30 2	11.4	F5	1306	28.1	+13 16	10.6	A7	1336	28.3	+32 20	10.9	B9	1390	28.4	+ 8 50	9.6	Fo
41	1151	28.0	+27 41	10.4	K2	1219	28.1	+11 17	10.4	K5	1340	28.3	+31 23	10.6	Go	..	28.4	+ 7 45	11.2	F8
42	..	28.0	+27 28	11.3	A5	1178	28.1	+10 36	9.4	F2	1166	28.3	+28 54	9.9	G5	..	28.4	+ 7 12	11.2	A
43	1273	28.0	+26 18	10.6	F5	..	28.1	+ 9 39	11.0	Ao	..	28.3	+28 11	11.6	Go	1344	28.4	+ 7 6	9.3	A3
44	1307	28.0	+24 47	10.7	Go	..	28.1	+ 9 15	11.1	Ao	1321	28.3	+25 45	10.5	Ko	..	28.4	+ 6 31	10.8	G5
45	1308	28.0	+24 23	9.4	A2	..	28.1	+ 9 12	11.5	K	1486	28.3	+20 43	10.2	K7	..	28.4	+ 6 21	11.0	A
46	..	28.0	+23 51	11.5	K5	..	28.1	+ 8 47	11.4	G5	1264	28.3	+18 39	10.7	Go	1299	28.4	+ 5 17	11.2	K7
47	1404	28.0	+23 39	10.2	A2	1388	28.1	+ 8 24	8.8	Oe5	1297	28.3	+17 6	11.9	M2	1317	28.4	+ 4 50	10.2	B8
48	1403	28.0	+23 7	9.8	G5	..	28.1	+ 7 9	11.2	Go	..	28.3	+16 46	11.0	F8	1316	28.4	+ 4 18	10.0	G5
49	1285	28.0	+21 46	10.7	Go	*1341*	28.1	+ 6 59	10.3	Go	1192	28.3	+16 26	9.9	F8	..	28.5	+34 15	11.8	Go
50	..	28.0	+21 28	11.6	K7	..	28.1	+ 6 13	11.4	A2	1194	28.3	+12 48	10.0	Go	1341	28.5	+31 36	10.6	A2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	28.5	+31 13	12.2	G	..	28.6	+ 7 25	11.1	A2	1267	28.8	+30 18	10.9	K2	..	28.9	+18 14	11.4	K7
2	..	28.5	+31 7	11.6	F5	1348	28.6	+ 7 2	10.0	Go	1276	28.8	+29 14	10.3	G5	1300	28.9	+17 8	11.1	Fo
3	..	28.5	+30 44	12.0	F2	..	28.6	+ 6 5	11.0	Ko	..	28.8	+26 23	11.4	Go	..	28.9	+15 25	11.3	G5
4	1266	28.5	+30 30	10.5	A2	1300	28.6	+ 3 0	9.9	Ao	..	28.8	+26 9	11.1	Go	..	28.9	+14 43	11.2	G5
5	..	28.5	+30 15	11.6	G	..	28.7	+34 28	11.9	K2	1325	28.8	+25 50	10.3	Ko	1228	28.9	+11 4	10.2	Go
6	..	28.5	+27 57	11.3	Go	..	28.7	+33 56	11.0	Fo	1314	28.8	+24 8	10.1	F8	1183	28.9	+10 23	9.2	A2
7	1154	28.5	+27 28	10.4	G5	..	28.7	+32 48	11.6	F5	1390	28.8	+22 32	9.8	Ao	1283	28.9	+ 9 53	10.0	F5
8	1276	28.5	+26 33	10.5	Mo	1343	28.7	+31 27	11.2	Go	1391	28.8	+22 10	10.0	F5	..	28.9	+ 8 36	11.0	Ko
9	..	28.5	+24 14	11.6	A	1275	28.7	+29 46	10.3	G5	..	28.8	+21 19	11.2	A	..	28.9	+ 8 31	11.2	F
10	..	28.5	+19 37	11.2	F8	..	28.7	+29 35	11.6	F8	..	28.8	+21 14	11.3	Go	1351	28.9	+ 7 49	9.6	B8
11	..	28.5	+17 47	10.6	A3	1167	28.7	+28 56	10.2	A3	..	28.8	+21 4	11.2	A	1350	28.9	+ 7 43	11.1	Ko
12	..	28.5	+17 6	11.4	G	..	28.7	+28 29	10.4	F8	..	28.8	+19 43	11.4	A	..	28.9	+ 7 27	11.1	K5
13	1308	28.5	+13 57	9.2	A3	1155	28.7	+27 48	9.8	Ao	..	28.8	+18 57	11.1	Go	..	28.9	+ 6 30	10.8	G5
14	..	28.5	+ 9 34	11.2	F	..	28.7	+27 8	11.2	Go	1266	28.8	+18 24	10.4	F2	..	28.9	+ 5 10	10.4	F8
15	1279	28.5	+ 9 12	10.0	K5	..	28.7	+26 58	10.8	Ao	..	28.8	+16 45	11.6	F	1323	28.9	+ 4 49	10.0	B5
16	1391	28.5	+ 8 33	10.4	G5	..	28.7	+26 48	11.2	G5	..	28.8	+15 44	11.2	Go	1324	28.9	+ 4 25	10.8	A
17	1392	28.5	+ 7 59	10.1	Ko	1324	28.7	+25 3	9.8	A2	1242	28.8	+15 9	11.2	K5		28.9	+ 4 25	10.7	Ao
18	1347	28.5	+ 7 46	10.9	F8	1313	28.7	+24 14	9.0	F8	..	28.8	+13 22	11.0	F5	1301	28.9	+ 3 33	10.8	K5
19	1346	28.5	+ 7 38	10.4	G	..	28.7	+24 2	11.0	G5	1314	28.8	+13 8	10.7	Go	1364	29.0	+33 5	10.6	F8
20	1345	28.5	+ 7 30	11.3	K7	..	28.7	+23 51	10.6	A3	1313	28.8	+13 6	11.1	Go	..	29.0	+31 41	11.6	Go
21	..	28.5	+ 7 3	9.8	B8	1408	28.7	+23 27	9.4	Ao	1197	28.8	+12 49	10.2	Mo	1348	29.0	+31 16	11.0	Go
22	..	28.5	+ 6 11	10.8	A	..	28.7	+21 44	11.0	G5	..	28.8	+12 27	11.3	F	..	29.0	+29 43	11.0	Ko
23	..	28.5	+ 4 14	10.4	Ao	..	28.7	+21 29	11.3	Ko	..	28.8	+11 40	10.9	F8	..	29.0	+29 35	11.4	A7
24	..	28.5	+ 3 43	11.0	F8	..	28.7	+21 25	10.9	Ao	1227	28.8	+11 11	9.8	Go	1172	29.0	+28 38	11.1	A2
25	1299	28.5	+ 3 16	10.8	K2	1487	28.7	+20 3	11.0	Ao	..	28.8	+10 9	10.6	Ko	..	29.0	+28 23	12.2	K2
26	1362	28.6	+33 52	10.1	Fo	1299	28.7	+17 27	10.2	G5	..	28.8	+ 9 24	11.4	K	1278	29.0	+26 34	10.2	Ao
27	..	28.6	+33 35	10.8	G5	1241	28.7	+15 47	10.6	K2	..	28.8	+ 8 13	10.7	A3	1317	29.0	+24 42	10.1	K5
28	..	28.6	+29 46	12.4	Ko	..	28.7	+13 51	12.0	F	1394	28.8	+ 8 11	10.5	B3	..	29.0	+24 20	10.8	F8
29	..	28.6	+29 33	12.0	K5	1312	28.7	+13 14	8.9	F2	1395	28.8	+ 8 4	9.6	A2	..	29.0	+23 41	11.0	Ko
30	..	28.6	+27 3	10.2	A5	..	28.7	+12 46	10.4	A2	..	28.8	+ 7 55	11.2	A	..	29.0	+23 33	11.0	A7
31	1277	28.6	+26 10	9.2	A2	1196	28.7	+12 38	10.5	B5	1287	28.8	+ 6 45	9.3	B8	1392	29.0	+22 56	9.1	F5
32	..	28.6	+23 51	11.0	G	1195	28.7	+12 27	10.4	K2	1286	28.8	+ 6 32	10.1	Fo	..	29.0	+21 56	11.2	G
33	..	28.6	+23 48	10.4	A2	1226	28.7	+11 39	10.2	A7	1285	28.8	+ 6 26	9.8	F5	..	29.0	+21 36	10.8	Ko
34	1389	28.6	+22 42	10.5	A2	1225	28.7	+11 18	10.3	A7	1303	28.8	+ 5 30	10.9	K5	1290	29.0	+21 11	11.2	Ko
35	..	28.6	+22 22	11.0	A2	1224	28.7	+11 4	10.3	A2	1322	28.8	+ 4 52	10.4	F2	1392	29.0	+19 52	9.7	A2
36	1289	28.6	+21 43	9.8	Ko	..	28.7	+ 9 22	10.6	F2	..	28.9	+34 40	11.6	G5	1197	29.0	+16 16	10.6	Go
37	..	28.6	+21 20	11.0	F5	1393	28.7	+ 8 4	9.9	B8	1363	28.9	+33 42	9.1	A3	1199	29.0	+16 14	9.9	A3
38	..	28.6	+21 17	11.3	K5		28.7	+ 8 4	9.3	F8	1337	28.9	+32 46	11.0	Ko	..	29.0	+15 41	11.8	A
39	1195	28.6	+16 52	10.2	Fo	..	28.7	+ 8 4	9.6	Ao	1346	28.9	+31 54	8.9	B8	1316	29.0	+13 51	11.1	A7
40	..	28.6	+16 39	11.1	A	1349	28.7	+ 7 12	10.7	A2	1347	28.9	+31 16	10.6	F8	1200	29.0	+12 11	10.6	Ao
41	..	28.6	+16 26	10.4	F8	..	28.7	+ 5 59	10.8	A3	1277	28.9	+29 7	10.7	F2	1397	29.0	+ 8 48	9.6	B5
42	..	28.6	+15 41	11.1	Go	1301	28.7	+ 5 42	11.8	B8	1169	28.9	+28 22	12.2	K7	1396	29.0	+ 8 30	9.6	Go
43	1310	28.6	+13 47	11.2	F8	1320	28.7	+ 4 44	10.6	Fo	1171	28.9	+28 17	12.2	K5	1353	29.0	+ 7 44	9.7	Ao
44	1311	28.6	+13 27	11.0	A7	1321	28.7	+ 3 59	10.4	A2	..	28.9	+26 49	10.8	Ao	..	29.0	+ 6 25	11.0	A5
45	..	28.6	+12 41	11.2	G	..	28.8	+33 29	11.0	F2	..	28.9	+26 9	11.0	F5	1305	29.0	+ 5 17	9.8	A2
46	1182	28.6	+10 1	10.3	K2	..	28.8	+31 52	11.3	F5	..	28.9	+25 24	11.2	A	1304	29.0	+ 5 9	10.4	B3
47	1280	28.6	+ 9 49	10.2	A2	1344	28.8	+31 30	11.1	G5	1316	28.9	+24 22	9.3	Go	..	29.0	+ 3 50	11.8	A
48	..	28.6	+ 9 29	11.1	G	1345	28.8	+31 28	9.6	G5	..	28.9	+21 59	11.2	K2	1302	29.0	+ 3 46	10.4	Ao
49	1281	28.6	+ 9 2	10.7	A5	1268	28.8	+30 48	11.1	Go	..	28.9	+21 36	10.8	Ao	1339	29.1	+32 47	9.8	Go
50	..	28.6	+ 8 13	11.7	A5	..	28.8	+30 25	12.1	F5	1489	28.9	+20 40	9.4	A2	1269	29.1	+30 14	10.5	Fo

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1156	29.1	+27 43	11.5	Go	..	29.2	+ 9 30	10.6	A3	1159	29.4	+27 46	9.8	Ko	1234	29.5	+11 56	10.0	Fo
2	1157	29.1	+27 37	10.0	Ko	1400	29.2	+ 8 56	9.0	Ao	..	29.4	+27 26	11.7	G5	1405	29.5	+ 8 9	9.4	F2
3	1318	29.1	+24 4	9.1	Go	..	29.2	+ 8 36	11.0	A3	1281	29.4	+26 28	10.6	K2	..	29.5	+ 7 38	10.8	Fo
4	..	29.1	+23 34	10.6	Fo	1399	29.2	+ 8 26	8.6	B3	1329	29.4	+25 31	10.2	A2	..	29.5	+ 7 30	10.8	A2
5	1410	29.1	+23 26	10.4	Ao	..	29.2	+ 7 11	10.7	B8	1328	29.4	+24 59	11.0	Go	1359	29.5	+ 7 17	9.0	B9
6	1411	29.1	+23 24	10.7	Mo	1289	29.2	+ 6 9	9.7	A3	..	29.4	+23 37	11.0	F5	1360	29.5	+ 7 8	10.4	F8
7	..	29.1	+19 25	11.0	Go	..	29.2	+ 5 26	11.4	Go	1491	29.4	+20 40	11.0	Ao	..	29.5	+ 7 2	10.4	B8
8	1268	29.1	+18 54	11.7	A	1326	29.2	+ 4 25	10.1	G5	1493	29.4	+20 28	9.6	Go	1358	29.5	+ 7 1	10.7	G5
9	1269	29.1	+18 41	9.9	F8	..	29.2	+ 3 4	10.6	K8	1273	29.4	+18 26	9.8	B9	1292	29.5	+ 6 25	9.8	Ao
10	1301	29.1	+17 20	9.9	F5	1305	29.2	+ 3 6	10.4	Ao	..	29.4	+17 56	11.3	Ao	..	29.5	+ 6 14	11.0	Ao
11	1302	29.1	+17 5	11.0	Mo	..	29.3	+34 34	11.4	Ko	..	29.4	+17 51	10.8	Go	..	29.5	+ 3 41	11.1	F8
12	1200	29.1	+16 12	10.2	Ko	..	29.3	+33 35	11.2	A5	..	29.4	+17 16	10.5	Fo	..	29.6	+33 28	11.4	Go
13	1243	29.1	+15 1	10.8	Ko	1340	29.3	+32 14	11.0	K5	1205	29.4	+16 8	9.9	F5	..	29.6	+33 21	11.2	A5
14	..	29.1	+15 1	11.6	Ko	1341	29.3	+32 6	11.2	K5	..	29.4	+14 21	11.0	F2	..	29.6	+28 32	11.0	Ko
15	..	29.1	+12 29	10.6	A5	..	29.3	+31 10	12.1	Go	..	29.4	+12 48	11.2	A2	1162	29.6	+27 45	10.2	Ko
16	1201	29.1	+12 6	9.2	Fo	1271	29.3	+30 44	11.2	K7	*1231*	29.4	+10 59	10.2	Ao	1282	29.6	+26 42	10.6	F8
17	1184	29.1	+10 46	9.0	Go	..	29.3	+27 51	11.6	Ao	..	29.4	+10 28	11.1	G	1283	29.6	+26 4	10.2	K5
18	1398	29.1	+ 8 4	11.0	K5	..	29.3	+27 48	12.1	Ko	1290	29.4	+ 9 48	9.8	Fo	1332	29.6	+25 19	9.7	Ao
19	1355	29.1	+ 7 51	8.8	Ko	..	29.3	+26 21	11.2	F8	..	29.4	+ 9 31	10.8	Go	1331	29.6	+25 10	10.0	B8
20	..	29.1	+ 7 36	11.0	K2	1280	29.3	+26 13	11.2	G5	1289	29.4	+ 9 29	9.6	Ko	..	29.6	+23 16	11.6	A
21	..	29.1	+ 6 3	10.2	Fo	1319	29.3	+24 9	11.0	Ko	..	29.4	+ 9 17	9.8	B8	..	29.6	+21 29	11.0	A
22	1325	29.1	+ 4 14	10.0	Ko	..	29.3	+24 0	11.0	A3	..	29.4	+ 8 22	10.8	A	..	29.6	+21 26	10.6	Go
23	1349	29.2	+31 55	11.0	A7	1394	29.3	+22 19	10.2	A2	1291	29.4	+ 6 45	9.3	A3	1293	29.6	+21 0	10.5	G5
24	..	29.2	+31 7	12.0	F5	..	29.3	+22 16	10.8	K	1290	29.4	+ 6 24	9.6	Fo	..	29.6	+20 3	11.0	Go
25	..	29.2	+28 38	11.9	K5	1393	29.3	+22 1	9.5	B9	..	29.4	+ 5 57	10.8	Ao	1274	29.6	+18 49	11.8	K8
26	1158	29.2	+27 25	10.8	F5	1291	29.3	+21 6	10.6	Go	..	29.4	+ 5 54	10.8	Ao	..	29.6	+17 52	11.3	G
27	..	29.2	+26 13	11.4	F8	..	29.3	+20 33	11.7	K5	..	29.4	+ 5 4	11.6	A	1303	29.6	+17 4	11.2	F8
28	1327	29.2	+25 11	10.2	A3	..	29.3	+18 43	10.6	Ko	1308	29.4	+ 5 2	11.1	K2	..	29.6	+16 26	11.4	Go
29	..	29.2	+24 6	11.6	K5	1272	29.3	+18 9	8.9	Go	*1328*	29.4	+ 3 59	10.6	Ko	1206	29.6	+16 13	10.2	F5
30	1412	29.2	+23 16	10.6	Ko	1346	29.3	+14 32	9.8	Go	1306	29.4	+ 3 50	10.6	K2	1247	29.6	+15 38	11.0	F5
31	..	29.2	+23 7	11.6	K7	..	29.3	+12 34	10.0	A5	..	29.4	+ 3 12	10.6	Ao	..	29.6	+13 16	10.4	F2
32	..	29.2	+21 46	10.4	Ao	1230	29.3	+11 13	10.3	Fo	..	29.4	+ 3 1	12.0	K5	1206	29.6	+12 19	10.4	F8
33	..	29.2	+21 37	11.0	G	1286	29.3	+ 9 53	9.2	Ao	1352	29.5	+31 52	10.1	G5	1235	29.6	+11 55	10.2	Go
34	..	29.2	+21 28	10.8	Ko	1288	29.3	+ 9 50	9.2	G5	..	29.5	+31 17	11.8	Go	..	29.6	+ 9 27	11.4	A
35	..	29.2	+20 30	11.2	Go	1287	29.3	+ 9 27	10.2	Ko	1350	29.5	+31 11	10.7	K5	..	29.6	+ 7 34	11.2	A
36	1490	29.2	+20 2	10.7	A3	1402	29.3	+ 8 54	var.	Ao	1272	29.5	+30 3	10.9	Ko	1361	29.6	+ 7 25	9.7	K2
37	..	29.2	+19 48	10.8	Ko	..	29.3	+ 8 43	11.4	F2	..	29.5	+29 0	11.7	Ao	..	29.6	+ 7 1	11.0	F5
38	..	29.2	+19 45	11.2	Ko	..	29.3	+ 8 29	11.1	A	1160	29.5	+27 36	10.2	Fo	..	29.6	+ 6 47	11.0	F2
39	..	29.2	+18 28	10.6	F5	1401	29.3	+ 8 29	9.8	B9	1161	29.5	+27 5	10.7	Ko	1330	29.6	+ 4 48	11.4	K7
40	1270	29.2	+18 15	9.6	F8	1404	29.3	+ 8 24	10.7	A	1330	29.5	+25 11	10.2	F5	1329	29.6	+ 4 46	10.2	Ao
41	1271	29.2	+18 11	9.6	Ao	1403	29.3	+ 8 8	9.0	B8	1395	29.5	+22 0	10.4	B8	..	29.6	+ 3 18	10.8	Ko
42	1203	29.2	+16 32	10.0	A3	..	29.3	+ 6 31	10.6	A2	1494	29.5	+20 32	10.4	Ko	..	29.7	+32 55	11.3	B9
43	1204	29.2	+16 5	11.0	F5	1307	29.3	+ 5 27	10.9	Ko	1495	29.5	+20 3	10.0	A7	*1345*	29.7	+31 59	11.6	Ko
44	1245	29.2	+15 27	10.0	A3	1327	29.3	+ 4 26	10.3	Mo	..	29.5	+19 30	11.4	A	1353	29.7	+31 10	10.4	A2
45	1345	29.2	+14 36	11.2	K5	..	29.4	+33 52	11.6	G5	..	29.5	+18 2	11.8	K5	1273	29.7	+30 42	9.7	B8
46	1317	29.2	+13 58	9.6	Fo	1366	29.4	+33 42	10.2	A2	..	29.5	+15 38	10.8	A5	1279	29.7	+29 20	11.4	Go
47	..	29.2	+12 39	11.4	A	1342	29.4	+32 24	10.4	Ao	..	29.5	+15 0	11.1	Go	..	29.7	+29 8	11.5	A2
48	1203	29.2	+12 17	10.6	A7	1278	29.4	+29 3	11.5	K2	1318	29.5	+13 19	9.8	F5	1176	29.7	+28 58	12.0	K7
49	*1229*	29.2	+10 59	10.2	Go	1174	29.4	+28 19	9.6	A3	..	29.5	+12 29	10.3	A5	..	29.7	+27 45	11.4	Ko
50	1285	29.2	+ 9 41	10.1	K2	1175	29.4	+28 7	10.2	Ko	..	29.5	+12 19	11.4	F8	..	29.7	+27 36	10.9	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	29.7	+27 27	11.5	Go	..	29.8	+ 7 40	11.4	F8	..	30.0	+22 29	10.3	Go	..	30.1	+ 6 43	11.0	B8
2	..	29.7	+27 13	11.7	Ko	*1363*	29.8	+ 6 58	9.9	Go	1399	30.0	+22 24	10.2	K7	..	30.1	+ 6 3	10.8	F5
3	..	29.7	+26 42	11.2	Go	1294	29.8	+ 6 39	9.3	B8	..	30.0	+21 36	10.8	A5	..	30.1	+ 5 57	11.5	G
4	1320	29.7	+24 16	9.6	A5	1309	29.8	+ 5 24	10.7	G5	1297	30.0	+21 34	9.6	F8	..	30.1	+ 4 5	11.0	Ko
5	..	29.7	+23 56	11.7	Ko	..	29.9	+34 19	11.5	Go	..	30.0	+21 3	11.2	Mo	1311	30.1	+ 3 21	11.1	K5
6	..	29.7	+23 35	11.2	A	*1403*	29.9	+33 58	10.8	A7	1397	30.0	+19 33	9.6	Fo	..	30.1	+ 3 7	12.1	K7
7	1413	29.7	+23 23	9.8	Ao	..	29.9	+30 11	10.4	F8	*1279*	30.0	+17 58	9.5	A2	..	30.2	+33 32	10.8	Ao
8	..	29.7	+22 7	11.0	Go	1281	29.9	+29 36	11.8	Ko	1305	30.0	+17 24	10.2	G5	..	30.2	+30 34	12.0	Ko
9	*1396*	29.7	+21 59	11.0	Ko	..	29.9	+29 22	11.4	K7	1348	30.0	+14 16	11.4	Ko	..	30.2	+28 28	11.1	A5
10	..	29.7	+21 15	11.4	A	1280	29.9	+29 6	10.6	F5	1322	30.0	+13 55	9.8	F8	..	30.2	+28 10	10.9	G
11	1294	29.7	+21 0	9.8	F8	..	29.9	+28 49	10.6	G5	1324	30.0	+13 26	10.2	F5	..	30.2	+28 9	10.9	A
12	1393	29.7	+19 35	9.8	F5	1287	29.9	+26 52	11.1	Go	..	30.0	+ 9 12	10.9	B9	*1179*	30.2	+27 58	10.4	Go
13	..	29.7	+18 32	11.6	K2	..	29.9	+26 50	10.7	G	1294	30.0	+ 9 10	11.0	K2	..	30.2	+27 31	11.8	Go
14	1207	29.7	+16 19	11.3	Ko	1288	29.9	+26 5	10.6	K5	1408	30.0	+ 8 28	9.7	Ao	..	30.2	+27 10	11.6	Go
15	1249	29.7	+15 47	9.6	Ko	1416	29.9	+23 1	10.4	K2	1295	30.0	+ 6 23	10.0	Ko	1334	30.2	+25 11	10.1	Ao
16	1248	29.7	+15 0	11.0	G5	1398	29.9	+22 31	9.6	Ao	1310	30.0	+ 3 45	11.0	F2	1420	30.2	+23 45	10.2	Ko
17	1319	29.7	+13 45	9.9	G5	..	29.9	+21 14	11.6	Mo	..	30.0	+ 3 27	11.2	Ao	1421	30.2	+23 33	9.5	Ao
18	..	29.7	+10 16	10.7	A3	1296	29.9	+21 4	10.6	K5	1369	30.1	+33 55	10.2	A2	..	30.2	+23 17	11.0	Ao
19	1185	29.7	+10 16	10.9	Go	1395	29.9	+19 32	10.5	F8	1348	30.1	+32 30	10.5	Ao	1400	30.2	+22 14	9.0	A
20	..	29.7	+ 9 51	9.4	A2	1396	29.9	+19 1	9.6	F8	..	30.1	+32 19	11.1	A7	1399	30.2	+19 29	11.2	M2
21	..	29.7	+ 8 5	11.0	A3	1276	29.9	+18 54	10.3	B8	*1349*	30.1	+31 59	10.1	Ao	1310	30.2	+17 57	10.9	Go
22	1362	29.7	+ 7 0	10.5	Go	..	29.9	+18 48	11.2	A	1178	30.1	+28 2	12.0	F8	1309	30.2	+17 34	10.0	K2
23	1293	29.7	+ 6 19	9.4	A2	..	29.9	+18 34	11.1	Ao	..	30.1	+27 34	11.8	Go	..	30.2	+15 35	11.2	F5
24	..	29.7	+ 6 9	10.0	Go	1304	29.9	+17 7	10.1	Ko	..	30.1	+27 1	11.1	F2	1252	30.2	+15 29	10.3	G5
25	1308	29.7	+ 3 54	10.7	K2	..	29.9	+16 59	11.7	G	1291	30.1	+26 46	10.3	F5	1253	30.2	+15 25	10.7	F2
26	..	29.7	+ 3 46	11.1	F	..	29.9	+15 57	11.3	Go	1292	30.1	+26 21	9.6	Ko	1326	30.2	+13 21	10.6	G5
27	..	29.8	+33 53	10.4	Ao	1251	29.9	+15 3	8.8	A3	1333	30.1	+25 2	9.7	A7	..	30.2	+12 40	11.2	F8
28	..	29.8	+31 27	12.1	F8	1323	29.9	+13 9	10.4	A3	..	30.1	+24 48	11.0	A7	1209	30.2	+12 11	10.0	A7
29	1177	29.8	+28 48	9.9	A2	..	29.9	+12 59	11.2	A7	1419	30.1	+23 35	10.6	K8	..	30.2	+12 8	10.7	Ao
30	1163	29.8	+27 51	10.4	Go	..	29.9	+10 36	10.0	A7	1417	30.1	+23 33	10.3	K2	1239	30.2	+11 48	9.6	Fo
31	..	29.8	+27 27	11.0	G5	..	29.9	+10 26	11.0	Ko	1418	30.1	+23 2	10.4	G5	1189	30.2	+10 38	10.6	A2
32	1285	29.8	+26 32	10.4	Ko	..	29.9	+10 5	11.2	F	..	30.1	+22 9	11.1	Ko	..	30.2	+ 8 50	11.6	A2
33	..	29.8	+24 37	11.0	Ao	1293	29.9	+ 9 55	8.7	A2	1298	30.1	+21 49	9.9	Ko	..	30.2	+ 8 14	11.0	A2
34	..	29.8	+24 19	11.8	K5	1292	29.9	+ 9 42	10.3	K5	..	30.1	+21 2	11.4	M2	1296	30.2	+ 6 4	9.9	B3
35	1414	29.8	+23 23	9.4	Ao	1364	29.9	+ 7 40	9.4	Go	1498	30.1	+20 37	11.0	Ko	..	30.2	+ 5 52	10.6	A2
36	..	29.8	+23 21	11.0	A	..	29.9	+ 6 43	11.2	A3	1497	30.1	+20 26	10.6	Go	1311	30.2	+ 5 2	10.5	K2
37	1415	29.8	+23 2	9.6	Ao	..	29.9	+ 6 34	10.6	Ao	..	30.1	+20 1	11.0	A3	1332	30.2	+ 4 33	10.3	K2
38	1397	29.8	+22 40	9.8	G5	..	29.9	+ 6 27	10.8	Ao	1398	30.1	+19 13	11.8	K2	..	30.3	+34 30	12.3	Go
39	1295	29.8	+21 32	10.2	Ao	..	29.9	+ 6 13	10.6	Go	1308	30.1	+17 56	9.6	A2	..	30.3	+32 1	12.1	G5
40	..	29.8	+19 20	11.3	G	..	29.9	+ 5 47	11.4	A	1349	30.1	+14 3	9.9	F5	..	30.3	+29 48	11.4	Ao
41	1275	29.8	+18 35	10.7	A7	1310	29.9	+ 5 7	10.0	F5	..	30.1	+13 26	11.4	G	1165	30.3	+27 40	10.3	Go
42	1208	29.8	+16 56	11.5	Ko	..	29.9	+ 3 13	10.6	A2	..	30.1	+13 21	10.8	A	1293	30.3	+26 48	10.2	F8
43	1250	29.8	+15 33	10.9	Go	*1367*	30.0	+32 59	10.0	F2	1208	30.1	+12 15	8.8	Fo	..	30.3	+20 45	11.8	A
44	1320	29.8	+13 36	10.8	Ko	1347	30.0	+32 14	10.3	Go	..	30.1	+ 9 14	11.1	Ao	..	30.3	+20 3	11.8	A
45	1187	29.8	+10 39	9.8	A3	1346	30.0	+32 11	10.9	B9	..	30.1	+ 8 47	11.6	Ao	..	30.3	+16 43	11.4	F8
46	..	29.8	+10 7	10.6	Go	..	30.0	+32 7	11.6	F5	..	30.1	+ 8 28	10.8	A2	1211	30.3	+16 2	10.8	Ko
47	1291	29.8	+ 9 8	11.2	G5	1274	30.0	+30 18	10.9	A5	..	30.1	+ 8 15	11.1	F8	1350	30.3	+14 16	12.0	M
48	..	29.8	+ 9 6	11.6	K	1289	30.0	+26 42	10.2	Fo	..	30.1	+ 8 4	11.1	K2	1325	30.3	+13 57	9.2	A3
49	..	29.8	+ 8 40	12.3	K5	1290	30.0	+26 8	9.6	F2	1365	30.1	+ 7 21	10.2	K5	1328	30.3	+13 23	10.4	F2
50	1407	29.8	+ 8 20	11.4	K2	..	30.0	+24 35	11.6	A	1366	30.1	+ 7 4	10.8	G5	1210	30.3	+12 2	11.1	K

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	30.3	+ 8 9	11.5	A	..	30.5	+22 55	11.0	K2	1294	30.7	+26 44	10.8	Go	1337	30.8	+ 4 24	10.7	G5
2	1409	30.3	+ 8 4	9.0	B9	1401	30.5	+22 4	10.5	F5	..	30.7	+25 28	10.6	A3	1352	30.9	+32 20	11.0	K7
3	..	30.3	+ 6 6	10.8	B8	1302	30.5	+21 35	10.6	Ao	1323	30.7	+24 53	10.8	Go	..	30.9	+30 25	11.9	K5
4	1313	30.3	+ 5 19	10.4	Go	1301	30.5	+21 6	10.0	Ao	1402	30.7	+22 44	10.0	G5	..	30.9	+29 22	11.6	Ko
5	..	30.3	+ 4 56	11.0	Ao	1402	30.5	+19 30	11.1	Go	1303	30.7	+21 51	10.6	Go	1182	30.9	+28 33	10.7	F8
6	..	30.3	+ 4 11	11.6	K2	..	30.5	+16 6	11.0	F2	1500	30.7	+20 25	10.7	F5	1171	30.9	+27 6	10.4	F2
7	..	30.4	+30 47	11.6	Ao	1240	30.5	+11 25	9.0	Go	1501	30.7	+20 24	10.8	K2	..	30.9	+26 41	11.0	A2
8	..	30.4	+30 30	12.0	F8	..	30.5	+10 11	9.8	A2	1403	30.7	+19 56	10.5	Go	..	30.9	+26 39	11.4	A3
9	..	30.4	+29 25	12.0	A3	..	30.5	+ 8 41	11.4	M	..	30.7	+19 33	11.0	Fo	..	30.9	+26 30	11.6	K5
10	..	30.4	+29 0	11.5	Go	..	30.5	+ 8 0	11.0	A5	1212	30.7	+16 55	9.6	F5	..	30.9	+26 13	11.0	Go
11	..	30.4	+27 33	11.9	G5	..	30.5	+ 6 58	11.6	A	..	30.7	+14 53	11.0	A7	..	30.9	+25 34	10.5	Fo
12	..	30.4	+26 39	11.8	Go	..	30.5	+ 6 20	11.0	A	..	30.7	+11 20	11.4	F8	*1340*	30.9	+24 58	10.2	A2
13	1337	30.4	+25 48	10.4	Go	..	30.5	+ 6 11	9.8	A3	..	30.7	+10 52	10.6	F5	1325	30.9	+24 28	11.5	Mo
14	1336	30.4	+25 18	10.8	K2	..	30.5	+ 4 16	10.8	A2	1411	30.7	+ 8 57	11.0	K7	..	30.9	+22 48	10.4	F5
15	1335	30.4	+25 2	9.8	F2	1372	30.6	+33 29	10.2	F8	1410	30.7	+ 8 30	9.8	F5	1403	30.9	+22 32	10.2	A2
16	..	30.4	+24 16	10.7	Go	1277	30.6	+30 22	10.1	Go	1367	30.7	+ 7 56	10.8	Go	..	30.9	+20 48	10.9	A5
17	1422	30.4	+23 29	9.8	Ao	..	30.6	+27 58	10.8	A7	1368	30.7	+ 7 8	9.8	Fo	..	30.9	+20 30	11.3	G
18	..	30.4	+22 21	10.2	A2	1166	30.6	+27 10	11.8	K2	..	30.7	+ 5 50	11.0	Go	1503	30.9	+20 26	9.8	Ao
19	1299	30.4	+21 9	11.4	K7	1167	30.6	+27 1	10.4	Ko	..	30.7	+ 4 49	12.0	K7	..	30.9	+20 16	11.4	F2
20	1499	30.4	+20 3	11.4	K5	1338	30.6	+25 43	10.6	K2	1334	30.7	+ 4 26	11.0	Ao	1315	30.9	+17 28	9.9	Ko
21	..	30.4	+19 26	10.8	A3	1424	30.6	+23 42	10.6	A2	..	30.7	+ 4 14	11.2	F5	1352	30.9	+14 14	10.6	Ao
22	..	30.4	+19 11	11.8	Ko	..	30.6	+23 35	10.6	A2	..	30.8	+33 25	11.8	G5	1353	30.9	+14 5	10.0	G5
23	..	30.4	+18 57	11.0	A5	..	30.6	+18 27	11.8	K2	1351	30.8	+32 13	11.3	F5	..	30.9	+13 26	11.2	G
24	..	30.4	+18 49	11.5	Go	1281	30.6	+18 22	10.2	Ao	1357	30.8	+31 1	10.8	Ko	..	30.9	+13 1	10.4	A3
25	1280	30.4	+18 28	11.2	Go	..	30.6	+18 19	10.5	A2	1283	30.8	+29 31	11.1	Go	..	30.9	+12 27	10.4	Ao
26	..	30.4	+16 24	11.6	A7	1313	30.6	+17 13	10.0	F8	..	30.8	+29 22	11.8	F8	..	30.9	+11 54	10.3	A2
27	1351	30.4	+14 57	10.4	Go	1254	30.6	+15 42	10.6	F2	..	30.8	+29 2	11.8	Fo	1194	30.9	+10 37	10.6	K2
28	1211	30.4	+12 31	10.2	Fo	..	30.6	+13 11	11.0	F8	1181	30.8	+28 9	9.8	A2	..	30.9	+ 9 22	11.1	A
29	1190	30.4	+10 1	11.2	K7	1211a	30.6	+12 48	10.9	F8	1295	30.8	+26 32	10.4	F8	1298	30.9	+ 9 13	9.4	B9
30	1296	30.4	+ 9 55	10.7	K5	1241	30.6	+11 42	10.7	B9	..	30.8	+26 24	10.5	G5	..	30.9	+ 8 58	10.7	B8
31	1297	30.4	+ 9 22	9.2	B9	1242	30.6	+11 42	10.2	A2	..	30.8	+25 7	10.6	A3	..	30.9	+ 8 20	10.5	Go
32	..	30.4	+ 6 18	11.0	A	1191	30.6	+10 26	10.8	K5	..	30.8	+25 5	10.6	Ao	..	30.9	+ 8 13	11.5	A
33	..	30.4	+ 5 13	10.8	A2	*1192*	30.6	+ 9 59	9.7	B9	1324	30.8	+24 12	11.6	K2	..	30.9	+ 5 22	11.2	A
34	..	30.4	+ 5 1	11.2	A5	..	30.6	+ 9 10	11.0	Go	..	30.8	+24 0	10.7	Ao	..	30.9	+ 5 19	11.0	Fo
35	1333	30.4	+ 4 22	10.4	A2	..	30.6	+ 7 59	11.1	G5	..	30.8	+23 5	10.4	F8	..	31.0	+34 17	11.1	A3
36	..	30.4	+ 3 7	10.8	Go	1300	30.6	+ 6 55	9.6	A2	..	30.8	+21 3	11.3	K7	..	31.0	+33 50	12.0	Ko
37	..	30.5	+33 33	11.0	G5	1299	30.6	+ 6 36	10.5	A2	1502	30.8	+20 48	10.4	Ao	..	31.0	+33 32	12.0	Ko
38	..	30.5	+33 7	11.0	Ao	..	30.6	+ 5 37	11.0	Go	1282	30.8	+18 21	10.8	G5	..	31.0	+32 52	10.5	A2
39	1355	30.5	+31 11	12.0	K5	..	30.6	+ 5 10	11.6	K7	1314	30.8	+17 21	11.5	K7	1284	31.0	+29 57	10.1	G5
40	1276	30.5	+30 45	10.4	G5	..	30.6	+ 4 59	11.1	F2	..	30.8	+16 54	11.1	A5	..	31.0	+29 28	11.1	A2
41	..	30.5	+29 49	11.8	K2	..	30.6	+ 4 2	11.0	A	..	30.8	+16 36	11.0	Fo	1172	31.0	+27 21	9.8	G5
42	..	30.5	+29 16	12.3	K2	..	30.6	+ 3 54	11.0	G5	..	30.8	+15 11	11.3	A2	..	31.0	+25 3	11.4	A2
43	..	30.5	+29 11	12.2	G5	1313	30.6	+ 3 15	10.0	F8	..	30.8	+14 26	11.1	F8	1404	31.0	+22 8	9.2	F5
44	1180	30.5	+28 12	9.8	B9	1406	30.7	+34 36	9.6	A2	1212	30.8	+12 27	11.3	K5	..	31.0	+22 7	10.4	A3
45	..	30.5	+27 34	12.0	G5	1407	30.7	+34 8	11.0	Ko	..	30.8	+11 37	11.0	Go	..	31.0	+22 2	11.3	A5
46	..	30.5	+24 46	11.1	K5	..	30.7	+33 5	10.7	F8	..	30.8	+ 8 34	11.4	K5	..	31.0	+21 45	10.8	Ao
47	..	30.5	+24 24	10.5	A2	..	30.7	+29 14	11.6	G5	..	30.8	+ 8 1	10.8	Ao	..	31.0	+20 21	11.5	Ko
48	1423	30.5	+23 55	10.8	G5	..	30.7	+28 20	11.8	G5	..	30.8	+ 5 54	11.0	A7	1316	31.0	+17 23	10.2	A2
49	..	30.5	+23 30	10.4	Ao	1170	30.7	+27 37	10.5	G5	..	30.8	+ 5 44	10.3	Fo	1213	31.0	+16 53	10.0	A3
50	..	30.5	+23 24	10.6	Ao	..	30.7	+27 24	10.6	F8	1336	30.8	+ 4 51	10.3	B8	1214	31.0	+16 24	9.9	K2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1213	31.0	+12 50	10.8	G5	..	31.2	+28 6	11.7	Go	1306	31.3	+ 6 46	11.3	Fo	..	31.5	+20 33	11.0	F5
2	..	31.0	+12 45	10.9	F2	1174	31.2	+27 26	11.3	K7	..	31.3	+ 6 14	11.6	F5	..	31.5	+20 26	11.1	Ao
3	1195	31.0	+10 17	9.4	F8	1175	31.2	+27 3	11.4	Go	1321	31.3	+ 5 9	9.9	A2	1287	31.5	+18 34	10.4	F5
4	..	31.0	+ 8 24	10.4	A3	1342	31.2	+25 18	9.6	A5	1315	31.3	+ 3 29	10.4	F8	1286	31.5	+18 33	9.8	Go
5	..	31.0	+ 7 56	11.0	Fo	1341	31.2	+25 7	9.7	A2	..	31.3	+ 3 8	12.0	K7	1320	31.5	+17 38	11.3	K2
6	..	31.0	+ 7 15	11.0	A2	1327	31.2	+24 6	10.4	Go	1316	31.3	+ 3 2	11.1	A5	..	31.5	+16 43	10.2	A3
7	..	31.0	+ 6 30	11.2	Fo	..	31.2	+23 55	11.1	Ko	..	31.4	+33 29	12.2	F8	..	31.5	+16 31	10.6	A5
8	..	31.0	+ 5 27	11.2	Fo	..	31.2	+23 41	11.4	K2	1360	31.4	+31 52	10.2	F8	1220	31.5	+16 2	11.4	K5
9	..	31.0	+ 4 54	11.8	K2	1426	31.2	+23 34	9.9	Ao	..	31.4	+31 12	11.4	G5	..	31.5	+14 7	11.0	A2
10	..	31.1	+34 38	11.4	F8	..	31.2	+23 15	11.9	K8	..	31.4	+29 57	10.8	A	1218	31.5	+12 53	11.1	Ao
11	..	31.1	+32 50	11.3	G5	..	31.2	+22 46	11.4	Ko	1289	31.4	+29 33	8.6	B3	1217	31.5	+12 42	9.5	A2
12	..	31.1	+31 27	11.2	A5	..	31.2	+22 13	11.2	A2	1185	31.4	+28 31	10.2	A5	..	31.5	+12 41	10.8	Ao
13	1359	31.1	+31 2	10.8	Go	1306	31.2	+21 1	10.0	Go	1186	31.4	+28 26	9.8	F2	1247	31.5	+11 34	10.3	G5
14	..	31.1	+30 45	11.2	A3	1405	31.2	+19 50	11.2	K5	..	31.4	+27 48	12.0	A	..	31.5	+10 25	10.2	B8
15	1285	31.1	+29 19	10.6	Ao	..	31.2	+19 30	11.1	G	..	31.4	+27 39	10.8	Go	1199	31.5	+10 18	9.4	A5
16	1286	31.1	+29 1	9.6	Ao	..	31.2	+18 34	10.0	Ao	1176	31.4	+27 0	10.4	Ao	..	31.5	+ 8 53	11.2	A
17	..	31.1	+28 3	12.0	Go	1318	31.2	+17 38	9.9	Go	1296	31.4	+26 27	10.4	A2	1415	31.5	+ 8 24	10.2	B8
18	..	31.1	+27 37	12.1	Ko	1215	31.2	+16 36	10.8	K5	1345	31.4	+25 53	10.8	K5	..	31.5	+ 7 10	11.0	Ao
19	..	31.1	+23 8	10.2	B5	1256	31.2	+15 51	10.0	F2	1344	31.4	+25 34	10.3	A3	..	31.5	+ 6 42	11.1	Go
20	1406	31.1	+22 54	11.0	F	1354	31.2	+14 7	9.7	A5	..	31.4	+24 50	11.2	G5	1323	31.5	+ 5 55	10.2	B3
21	..	31.1	+22 51	11.4	A	1197	31.2	+10 0	9.2	F5	..	31.4	+23 26	10.2	Ao	1324	31.5	+ 5 45	11.0	K2
22	1405	31.1	+22 31	9.2	A2	..	31.2	+ 7 52	11.3	A	..	31.4	+23 4	11.0	A	1322	31.5	+ 5 30	10.0	B8
23	..	31.1	+21 38	10.6	A	..	31.2	+ 7 36	10.4	Ao	1407	31.4	+22 6	9.2	B3	1318	31.5	+ 3 24	10.4	Ko
24	..	31.1	+21 37	11.0	A	1370	31.2	+ 7 34	9.6	B9	..	31.4	+20 37	11.0	Ao	..	31.6	+33 41	11.5	K5
25	1305	31.1	+21 12	10.4	M5	..	31.2	+ 7 13	10.3	A3	1505	31.4	+20 34	11.2	Ko	..	31.6	+31 52	11.2	Go
26	1504	31.1	+20 54	9.8	A5	..	31.2	+ 5 25	10.7	A3	..	31.4	+20 5	10.4	G5	1362	31.6	+31 10	10.3	Ao
27	..	31.1	+15 47	11.2	F2	1409	31.3	+34 34	10.7	F2	1408	31.4	+19 57	10.0	G5	1361	31.6	+31 7	10.5	B9
28	1244	31.1	+11 51	9.5	A3	..	31.3	+34 6	11.7	G5	1409	31.4	+19 5	9.5	A2	..	31.6	+30 4	10.8	F2
29	..	31.1	+11 28	11.0	G5	1353	31.3	+32 21	10.9	Ao	1285	31.4	+18 32	10.5	Go	1290	31.6	+29 16	12.0	K7
30	1196	31.1	+10 40	10.1	Ko	1287	31.3	+29 56	10.7	Ko	1319	31.4	+17 32	9.7	Fo	..	31.6	+29 6	12.0	A
31	..	31.1	+ 9 57	10.0	G5	1288	31.3	+29 26	10.8	Go	1217	31.4	+16 46	10.4	F8	..	31.6	+27 38	10.6	F5
32	..	31.1	+ 9 17	11.3	F	..	31.3	+22 5	10.4	Ao	1218	31.4	+16 21	10.2	A2	1298	31.6	+26 31	10.2	F2
33	1412	31.1	+ 8 27	10.7	K5	..	31.3	+20 3	10.6	Go	1219	31.4	+16 11	10.2	A2	1297	31.6	+26 0	10.4	G5
34	..	31.1	+ 8 19	10.4	B9	..	31.3	+19 35	11.1	Go	1360	31.4	+14 16	10.6	K2	..	31.6	+24 25	10.8	Ao
35	..	31.1	+ 8 6	11.0	Ao	1407	31.3	+19 3	10.0	A3	1331	31.4	+13 23	11.2	K7	..	31.6	+23 58	10.9	K2
36	..	31.1	+ 7 59	10.5	Ao	1283	31.3	+18 47	9.9	A5	1246	31.4	+11 57	11.2	F8	1429	31.6	+23 43	9.2	Fo
37	1369	31.1	+ 7 48	8.8	B5	1284	31.3	+18 45	11.8	K8	1245	31.4	+11 39	10.0	A7	..	31.6	+23 16	10.5	F8
38	1304	31.1	+ 6 52	10.6	F8	1216	31.3	+16 26	10.2	B9	..	31.4	+ 7 18	10.4	Ao	..	31.6	+22 46	10.4	A2
39	..	31.1	+ 5 22	11.8	F5	1357	31.3	+14 14	11.2	K5	..	31.4	+ 6 59	10.6	F5	..	31.6	+21 40	11.0	Ao
40	..	31.1	+ 5 17	10.8	Ao	..	31.3	+13 36	11.0	A2	1307	31.4	+ 6 57	10.6	Ao	1309	31.6	+21 10	10.0	B9
41	1320	31.1	+ 5 2	10.6	K2	1330	31.3	+13 1	10.5	G5	1340	31.4	+ 4 28	11.1	Ko	..	31.6	+20 44	11.6	Ko
42	1338	31.1	+ 4 57	10.7	K2	..	31.3	+12 32	11.0	Go	*1339*	31.4	+ 3 59	10.8	Ko	..	31.6	+19 13	11.0	A7
43	..	31.1	+ 3 30	11.1	A3	1216	31.3	+12 10	9.7	B8	1317	31.4	+ 3 6	12.0	K7	1410	31.6	+19 4	11.4	K7
44	..	31.1	+ 3 22	11.6	Go	1198	31.3	+10 42	9.1	Ao	1280	31.5	+30 57	10.6	F5	..	31.6	+18 54	11.4	B9
45	..	31.2	+34 24	11.9	F8	..	31.3	+10 10	10.6	A3	..	31.5	+30 7	10.8	A2	..	31.6	+18 47	10.8	F5
46	..	31.2	+31 54	11.9	A5	1300	31.3	+ 9 47	9.2	A2	..	31.5	+29 59	11.5	A	1221	31.6	+16 35	10.4	A3
47	1278	31.2	+30 0	9.3	A2	1299	31.3	+ 9 37	11.4	K7	..	31.5	+27 51	12.0	Fo	1361	31.6	+14 12	9.7	F2
48	..	31.2	+29 54	11.7	Ko	..	31.3	+ 9 14	11.0	A5	..	31.5	+25 55	10.6	Ao	..	31.6	+12 45	10.5	F5
49	..	31.2	+29 27	11.8	G5	1413	31.3	+ 8 55	11.3	K7	*1329*	31.5	+23 58	10.5	Ko	1248	31.6	+11 43	9.3	A2
50	..	31.2	+28 13	11.2	A7	..	31.3	+ 8 34	11.2	A7	1428	31.5	+23 36	9.4	Ko	1416	31.6	+ 8 6	9.9	A7

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1936AnHar.100....1C

260700 — $6^h\ 31^m.6$ to $6^h\ 32^m.2$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1374	31.6	+ 7 20	9.6	F5	..	31.8	+20 24	10.7	A2	1365	32.0	+31 25	10.4	Mo	1325	32.1	+17 37	10.6	K5
2	1345	31.6	+ 4 57	11.1	G	1507	31.8	+20 11	10.0	Ko	..	32.0	+29 28	12.2	K5	..	32.1	+17 31	10.4	A
3	1344	31.6	+ 4 53	11.8	K5	1411	31.8	+19 20	11.2	K5	..	32.0	+28 45	11.7	F8	..	32.1	+14 47	11.0	F8
4	1343	31.6	+ 4 9	10.7	K2	..	31.8	+17 54	11.4	Ao	..	32.0	+28 37	11.2	Go	1367	32.1	+14 9	10.5	Fo
5	..	31.6	+ 3 21	11.6	K5	..	31.8	+17 40	11.3	F8	1179	32.0	+27 56	10.6	F8	1335	32.1	+13 53	10.7	K5
6	1319	31.6	+ 3 14	11.8	K7	1222	31.8	+16 39	10.6	Mo	..	32.0	+24 1	10.6	A3	..	32.1	+13 51	10.6	A
7	..	31.7	+33 49	11.3	K5	1362	31.8	+14 19	9.6	Ao	..	32.0	+23 59	10.5	A2	1337	32.1	+13 31	10.4	A7
8	*1355*	31.7	+31 58	10.2	Go	1332	31.8	+13 43	10.0	Ao	1434	32.0	+23 11	9.6	A5	1223	32.1	+12 51	9.0	B9
9	1187	31.7	+28 19	11.6	K2	..	31.8	+10 13	11.2	G	..	32.0	+22 45	10.6	G	1250	32.1	+11 19	10.6	F8
10		31.7	+27 4		F8	..	31.8	+ 8 21	10.6	Ao	..	32.0	+22 39	11.0	A	1305	32.1	+ 9 47	9.9	Ao
	1177			10.4																
11		31.7	+27 4		A3	..	31.8	+ 7 59	11.2	G5	..	32.0	+22 3	11.6	Go	..	32.1	+ 9 16	11.4	A
12	..	31.7	+26 36	11.0	A3	..	31.8	+ 7 51	11.3	F	..	32.0	+20 9	11.7	K	..	32.1	+ 8 59	11.0	A5
13	1346	31.7	+25 21	11.1	G5	1375	31.8	+ 7 45	10.7	Ko	1225	32.0	+16 20	9.0	F2	..	32.1	+ 7 59	11.2	A
14	1330	31.7	+24 57	10.7	G5	1376	31.8	+ 7 31	10.8	A2	1260	32.0	+15 30	9.9	F8	..	32.1	+ 6 50	10.8	Ao
15	1430	31.7	+23 21	10.0	A2	1328	31.8	+ 5 40	10.1	A5	1365	32.0	+14 46	10.1	Ko	..	32.1	+ 6 35	10.8	A5
16	..	31.7	+23 19	10.4	Ao	1327	31.8	+ 5 32	10.1	A7	1366	32.0	+14 14	11.0	A5	..	32.1	+ 6 3	9.8	B8
17	1432	31.7	+23 16	9.6	Go	..	31.8	+ 3 22	11.2	Go	..	32.0	+13 23	11.2	G5	..	32.1	+ 5 52	10.6	F2
18	..	31.7	+23 1	10.6	B8	1414	31.9	+34 30	10.8	F8	1336	32.0	+13 11	10.3	F2	..	32.1	+ 5 7	11.2	G5
19	..	31.7	+21 57	11.3	A	..	31.9	+31 52	11.1	Ko	..	32.0	+12 50	11.0	A3	..	32.1	+ 4 56	10.7	Go
20	1506	31.7	+20 38	10.0	A2	1281	31.9	+30 43	9.7	Fo	1220	32.0	+12 41	10.0	Ko	1352	32.1	+ 4 38	10.4	Fo
21	1413	31.7	+19 41	var.	F5	1282	31.9	+30 13	11.6	K5	..	32.0	+10 42	11.4	Ko	1324	32.1	+ 3 45	10.6	Ao
22	..	31.7	+19 18	11.8	M5	1292	31.9	+29 50	10.2	Ko	1304	32.0	+ 9 10	10.3	K2	1374	32.2	+33 23	10.4	Go
23	1412	31.7	+19 2	11.2	A	1188	31.9	+28 56	11.0	Ko	..	32.0	+ 6 45	11.8	A	..	32.2	+29 54	11.6	Ko
24	1321	31.7	+17 3	10.1	Go	..	31.9	+28 45	11.8	K5	..	32.0	+ 6 39	11.5	A	..	32.2	+28 11	11.0	B9
25	1322	31.7	+17 0	10.4	Go	..	31.9	+28 37	12.2	Ko	..	32.0	+ 5 31	11.0	Fo	..	32.2	+27 17	10.7	Ko
26	1257	31.7	+15 57	11.0	Fo	1178	31.9	+27 18	10.6	F8	..	32.0	+ 5 20	11.2	A5	..	32.2	+26 22	10.7	G5
27	1258	31.7	+15 36	10.4	A3	..	31.9	+25 58	10.9	Fo	1330	32.0	+ 5 14	10.4	Ko	..	32.2	+26 15	10.6	K5
28	..	31.7	+13 21	11.4	A7	1351	31.9	+25 13	11.7	K2	..	32.0	+ 5 12	10.9	Fo	..	32.2	+24 48	10.7	A2
29	1301	31.7	+ 9 37	9.6	B5	1350	31.9	+25 9	11.3	K5	..	32.0	+ 4 33	11.4	G	..	32.2	+24 10	11.0	F2
30	..	31.7	+ 9 21	11.2	F8	..	31.9	+23 30	11.5	K7	1350	32.0	+ 4 5	10.2	Ko	..	32.2	+21 27	11.0	A
31	1417	31.7	+ 8 4	9.3	G5	..	31.9	+21 0	10.7	A3	1322	32.0	+ 3 27	10.3	F2	..	32.2	+21 22	10.6	A7
32	..	31.7	+ 6 32	11.4	K2	..	31.9	+20 25	10.6	Fo	..	32.1	+33 32	12.0	Ao	..	32.2	+20 43	11.4	K2
33	..	31.7	+ 5 50	11.2	F5	..	31.9	+20 12	10.2	A2	1358	32.1	+32 56	11.2	Ko	1511	32.2	+20 24	10.8	Ko
34	..	31.7	+ 5 43	11.4	A	..	31.9	+20 9	11.3	A3	..	32.1	+31 12	11.5	A5	..	32.2	+20 7	11.5	A
35	..	31.7	+ 5 38	9.8	A2	1414	31.9	+19 16	9.8	A2	1284	32.1	+30 52	10.3	Go	..	32.2	+18 37	11.0	F8
36	1325	31.7	+ 5 0	10.3	Ao	1323	31.9	+17 40	10.1	Ko	1283	32.1	+30 45	11.5	Ko	1327	32.2	+17 53	10.0	G5
37	1346	31.7	+ 4 47	9.5	A2	..	31.9	+16 45	11.0	Go	1189	32.1	+28 38	11.0	Go	1263	32.2	+15 52	10.0	Mo
38	..	31.7	+ 3 59	11.0	A2	..	31.9	+16 21	10.8	Ko	..	32.1	+27 56	11.6	A3	..	32.2	+15 44	11.6	A3
39	1413	31.8	+34 30	10.7	A2	..	31.9	+15 30	11.0	Go	..	32.1	+27 50	12.2	G5	..	32.2	+15 22	11.4	Fo
40	1291	31.8	+29 16	10.8	A3	1259	31.9	+15 18	9.9	Ko	1352	32.1	+25 28	10.9	Go	1368	32.2	+14 51	9.8	A2
41	..	31.8	+27 23	12.1	Ko	..	31.9	+14 25	11.2	F5	..	32.1	+23 10	10.6	A7	1369	32.2	+14 6	10.3	A2
42	1299	31.8	+26 9	10.6	Ko	1200	31.9	+10 24	10.1	Ko	..	32.1	+21 14	11.5	A	1224	32.2	+12 52	10.2	A2
43	1348	31.8	+25 56	11.2	K7	1302	31.9	+ 9 30	11.0	B9	..	32.1	+21 2	11.4	A5	..	32.2	+ 9 22	11.4	K5
44	1347	31.8	+25 25	9.8	B8	..	31.9	+ 9 24	10.8	Ao	..	32.1	+20 45	10.6	Ao	1308	32.2	+ 9 8	9.8	A3
45	1349	31.8	+25 12	11.2	G5	..	31.9	+ 6 32	10.8	A2	1509	32.1	+20 36	10.7	G5	1307	32.2	+ 9 1	9.2	Ko
46	..	31.8	+25 4	10.6	Ao	..	31.9	+ 6 10	10.4	A	1416	32.1	+19 52	9.7	A3	1418	32.2	+ 8 51	10.1	Ao
47	..	31.8	+24 23	11.7	K7	1328a	31.9	+ 5 11	10.0	B8	1417	32.1	+19 24	11.4	Mo	..	32.2	+ 8 37	11.6	A
48	..	31.8	+23 26	10.2	Ao	..	31.9	+ 5 9	11.1	A	1290	32.1	+18 51	9.8	A3	1419	32.2	+ 8 34	11.2	Ko
49	1310	31.8	+21 32	9.6	Ko	1321	31.9	+ 3 22	9.2	B5	1289	32.1	+18 6	10.4	A2	..	32.2	+ 8 14	11.7	Ko
50	1311	31.8	+21 31	10.6	K2	1356	32.0	+32 10	10.4	Ao	1324a	32.1	+17 50	10.0	Ao	1378	32.2	+ 7 43	11.2	Go

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	32.2	+ 7 16	11.2	Go	1227	32.4	+16 54	9.2	F2	..	32.6	+27 15	11.8	Go	..	32.7	+10 47	11.0	A2
2	..	32.2	+ 6 59	11.5	A	1370	32.4	+14 47	10.5	F5	1335	32.6	+24 54	9.9	F8	..	32.7	+10 30	11.0	Fo
3	..	32.2	+ 6 14	11.0	A	1371	32.4	+14 23	10.2	Fo	..	32.6	+24 46	10.8	K2	..	32.7	+10 12	10.1	Ao
4	..	32.2	+ 6 8	10.9	A5	1372	32.4	+14 22	10.4	F8	..	32.6	+21 29	11.2	F8	1313	32.7	+ 9 34	9.5	B3
5	1310	32.2	+ 6 1	9.4	B5	..	32.4	+14 14	11.3	G	..	32.6	+20 36	11.1	B8	..	32.7	+ 8 57	11.2	Go
6	1353	32.2	+ 4 7	10.4	A2	..	32.4	+13 38	11.0	F8	1515	32.6	+20 28	10.5	F8	..	32.7	+ 7 47	11.6	A
7	..	32.2	+ 4 4	10.8	K2	..	32.4	+11 39	10.8	F5	..	32.6	+20 1	11.2	Ao	1380	32.7	+ 7 17	10.4	Fo
8	..	32.2	+ 3 48	10.8	A2	1309	32.4	+ 9 21	9.0	B9	..	32.6	+19 11	11.0	Go	..	32.7	+ 6 28	11.0	Go
9	1326	32.2	+ 3 42	11.6	K5	1310	32.4	+ 9 1	9.6	F5	..	32.6	+19 8	11.1	A2	1313	32.7	+ 6 26	10.5	Ko
10	..	32.2	+ 3 22	11.0	A5	..	32.4	+ 8 34	11.8	F8	1228	32.6	+16 30	10.4	Go	..	32.7	+ 5 11	11.0	Ao
11	..	32.2	+ 3 8	11.1	G	..	32.4	+ 8 16	11.5	Ko	1374	32.6	+14 49	10.4	K2	1335	32.7	+ 5 5	9.8	Ao
12	*1325*	32.2	+ 2 58	10.8	K5	..	32.4	+ 8 3	11.0	A	..	32.6	+13 33	11.2	G5	..	32.8	+33 29	11.0	Go
13	1375	32.3	+33 21	9.4	K2	..	32.4	+ 6 3	10.9	A2	..	32.6	+11 32	10.8	Ao	..	32.8	+32 40	10.4	B9
14	..	32.3	+32 37	11.6	K7	..	32.4	+ 5 36	11.0	A	..	32.6	+10 45	11.4	K7	1371	32.8	+31 10	11.2	F8
15	1368	32.3	+31 55	10.0	Ao	..	32.4	+ 5 24	11.1	A7	1312	32.6	+ 9 23	11.2	Ko	..	32.8	+30 44	11.4	A
16	1367	32.3	+31 23	12.2	Ko	..	32.5	+34 34	12.1	Mo	1421	32.6	+ 8 0	9.7	Ao	1288	32.8	+30 6	10.6	Ko
17	1285	32.3	+30 27	10.4	A2	1378	32.5	+33 4	9.4	Ao	..	32.6	+ 6 26	10.5	Go	1193	32.8	+28 34	12.3	K2
18	..	32.3	+30 4	11.0	G5	1359	32.5	+32 11	11.4	K7	..	32.6	+ 6 5	11.6	K2	1304	32.8	+26 42	9.8	A3
19	1190	32.3	+28 46	9.2	F5	1287	32.5	+30 54	10.8	K2	1354	32.6	+ 4 42	10.6	K2	1357	32.8	+25 38	10.4	K2
20	..	32.3	+28 5	11.8	G5	1295	32.5	+29 26	10.4	G5	..	32.6	+ 4 1	10.6	A3	..	32.8	+23 10	10.6	A
21	..	32.3	+24 0	10.9	Go	..	32.5	+29 20	11.6	Fo	1329	32.6	+ 3 42	9.9	B5	1436	32.8	+23 9	8.8	B5
22	1412	32.3	+22 12	9.8	B9	..	32.5	+29 11	11.4	F8	..	32.6	+ 3 4	11.2	Ao	..	32.8	+22 32	11.4	A
23	..	32.3	+21 41	10.3	B8	..	32.5	+29 2	11.8	Ao	1379	32.7	+33 26	9.4	B9	*1414*	32.8	+21 58	9.8	F8
24	1313	32.3	+21 10	11.0	A7	..	32.5	+26 57	10.9	Ao	..	32.7	+33 5	11.0	A2	..	32.8	+21 23	10.9	A3
25	..	32.3	+21 8	11.4	A	1302	32.5	+26 23	9.4	A3	..	32.7	+31 43	10.4	A3	..	32.8	+21 6	11.2	A2
26	..	32.3	+13 3	10.8	F8	..	32.5	+26 20	10.6	K2	1370	32.7	+31 41	var.	F5	..	32.8	+18 34	11.9	K7
27	1225	32.3	+12 50	11.0	K7	1355	32.5	+25 26	10.2	F8	1296	32.7	+29 57	10.4	Ao	..	32.8	+16 9	11.0	Ao
28	..	32.3	+12 22	11.2	A2	..	32.5	+24 37	10.6	Ao	..	32.7	+29 56	10.5	B9	1376	32.8	+14 28	10.7	Go
29	1226	32.3	+12 0	10.7	Go	..	32.5	+20 40	10.7	A2	..	32.7	+29 48	10.6	Ao	1340	32.8	+13 51	10.4	A2
30	1251	32.3	+11 46	9.0	G5	1291	32.5	+18 51	10.9	A3	..	32.7	+28 53	11.0	Ao	1227	32.8	+12 25	10.4	Ko
31	..	32.3	+10 42	10.6	Go	..	32.5	+16 49	10.9	F5	1192	32.7	+28 22	10.9	Fo	1228	32.8	+12 11	10.4	Ko
32	..	32.3	+10 24	10.2	Ao	1265	32.5	+15 46	10.4	Fo	..	32.7	+28 18	12.0	K5	1229	32.8	+12 7	10.8	G5
33	..	32.3	+ 9 32	10.6	Ao	1264	32.5	+15 36	11.8	K5	..	32.7	+28 9	12.0	F8	..	32.8	+10 57	11.1	A
34	..	32.3	+ 8 29	11.1	A2	..	32.5	+11 20	11.2	Ko	..	32.7	+27 11	11.5	F2	..	32.8	+10 54	11.2	K2
35	1420	32.3	+ 8 17	11.0	Fo	..	32.5	+10 15	11.2	G5	1303	32.7	+26 52	10.5	A2	..	32.8	+10 32	11.2	G
36	..	32.3	+ 6 31	11.1	A	*1202*	32.5	+ 9 58	9.6	B3	1356	32.7	+25 46	10.4	A7	1203	32.8	+10 9	9.7	B9
37	..	32.3	+ 5 59	10.9	A	1311	32.5	+ 9 10	9.9	A2	..	32.7	+25 38	10.6	A3	..	32.8	+ 8 19	11.4	A
38	1332	32.3	+ 5 31	10.6	Ko	1379	32.5	+ 7 49	9.9	Ko	1315	32.7	+21 42	10.3	F2	1383	32.8	+ 7 38	9.6	A3
39	1327	32.3	+ 3 14	11.0	F8		32.5	+ 7 49		Ao	..	32.7	+20 48	11.6	G5	1381	32.8	+ 7 24	9.0	A7
40	1376	32.4	+33 18	9.8	K5	..	32.5	+ 6 36	11.4	F	..	32.7	+20 45	11.4	F5	1337	32.8	+ 5 46	10.1	A7
41	1294	32.4	+29 54	10.8	F5	..	32.5	+ 6 17	11.6	A	1516	32.7	+20 39	10.4	A2		32.8	+ 5 46	11.0	Go
42	..	32.4	+28 43	11.8	Ao	..	32.5	+ 5 35	11.2	Fo	1292	32.7	+18 43	10.9	A7	1336	32.8	+ 5 23	9.8	A2
43	1333	32.4	+24 51	10.2	F2	..	32.5	+ 5 32	11.1	Go	*1329*	32.7	+16 59	10.5	Go	..	32.8	+ 4 40	11.3	F8
44	1334	32.4	+24 26	9.9	G5	..	32.5	+ 3 58	11.6	Ao	..	32.7	+16 35	11.5	F5	1357	32.8	+ 4 20	9.5	Ko
45	1314	32.4	+21 39	10.0	K7	1328	32.5	+ 3 23	10.6	A3	..	32.7	+15 42	11.4	B8	..	32.8	+ 3 38	11.2	Ao
46	1512	32.4	+20 58	11.2	A2	..	32.5	+ 3 11	11.4	A	1266	32.7	+15 8	9.6	F2	1418	32.9	+34 31	10.5	K5
47	1513	32.4	+20 23	9.9	A2	1360	32.6	+32 9	11.2	F8	1375	32.7	+14 51	9.2	A2	..	32.9	+34 18	12.4	Mo
48	1514	32.4	+20 14	10.6	F5	..	32.6	+28 17	11.5	G5	..	32.7	+14 29	10.8	F5	..	32.9	+32 36	11.4	F
49	..	32.4	+19 8	11.0	Go	1191	32.6	+28 3	11.3	Ko	..	32.7	+12 53	10.4	A5	..	32.9	+29 17	11.9	G5
50	..	32.4	+17 55	10.3	F2	..	32.6	+27 40	12.0	Ko	..	32.7	+11 15	11.2	A7	..	32.9	+29 5	11.7	Ko

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1936AnHar.100....1C

261100

$6^h\,32^m.9$ to $6^h\,33^m.5$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	..	32.9	+27 6	11.4	G5
2	..	32.9	+26 28	11.6	A
3	1358	32.9	+25 55	10.6	G5
4	1339	32.9	+24 57	10.8	K2
5	1337	32.9	+24 49	9.0	B8
6	1437	32.9	+23 27	10.4	Go
7	1415	32.9	+22 38	9.4	G5
8	..	32.9	+20 55	11.1	A
9	..	32.9	+20 44	11.5	F
10	..	32.9	+19 43	11.4	A
11	..	32.9	+13 34	10.6	A5
12	1341	32.9	+13 26	9.7	A2
13	1254	32.9	+11 35	10.6	Ao
14	..	32.9	+ 8 54	11.1	G5
15	..	32.9	+ 8 27	11.4	A
16	1314	32.9	+ 6 38	9.3	Go
17	1315	32.9	+ 6 29	10.7	G5
18	..	32.9	+ 4 30	11.2	Ko
19	..	32.9	+ 4 23	11.0	K5
20	1419	33.0	+34 42	10.2	F8
21	.:	33.0	+32 21	11.5	Ko
22	1372	33.0	+31 36	11.2	Ko
23	..	33.0	+31 1	10.8	F2
24	1289	33.0	+30 50	12.2	K
25	..	33.0	+29 45	11.4	F5
26	..	33.0	+27 25	10.9	Fo
27	..	33.0	+27 17	11.9	G5
28	1359	33.0	+25 54	11.4	K5
29	1340	33.0	+24 2	10.4	Ao
30	1438	33.0	+23 43	9.8	Ko
31	1439	33.0	+23 3	9.8	Ko
32	1517	33.0	+20 3	10.4	Go
33	1422	33.0	+19 43	11.3	K5
34	1421	33.0	+19 28	10.3	Go
35	..	33.0	+19 3	11.2	A
36	1332	33.0	+17 2	10.6	Fo
37	..	33.0	+16 40	11.7	A3
38	1377	33.0	+14 42	9.5	Ko
39	..	33.0	+14 22	10.0	Fo
40	1343	23.0	+13 17	10.6	Go
41	1204	33.0	+10 25	9.6	A3
42	..	33.0	+ 9 14	11.2	F5
43	..	33.0	+ 8 24	11.2	A3
44	..	33.0	+ 7 28	11.2	Go
45	..	33.0	+ 7 25	11.4	A
46	..	33.0	+ 6 3	11.1	A
47	..	33.0	+ 5 25	11.0	K5
48	..	33.0	+ 5 14	10.5	Go
49	1359	33.0	+ 4 25	11.4	A3
50	1358	33.0	+ 4 4	10.7	A3
	1362	33.1	+32 34	10.9	G5
	1363	33.1	+32 2	10.3	Ko
	1373	33.1	+31 1	11.0	Go
	..	33.1	+29 46	11.0	Ao
	1298	33.1	+29 31	10.4	Go
	1194	33.1	+28 54	10.4	F5
	..	33.1	+28 7	11.2	G5
	..	33.1	+24 35	10.8	F8
	..	33.1	+24 15	10.8	F5
	1447	33.1	+23 56	9.2	B3
	..	33.1	+21 34	11.8	K2
	..	33.1	+21 17	11.4	K2
	..	33.1	+20 3	11.2	K
	1423	33.1	+19 21	10.0	M2
	..	33.1	+18 39	10.4	A2
	..	33.1	+18 20	11.4	F8
	..	33.1	+16 6	11.0	A2
	1342	33.1	+13 48	9.6	B2
	..	33.1	+12 17	11.5	Fo
	1314	33.1	+ 9 51	11.0	F8
	1316	33.1	+ 9 32	9.6	F2
	1315	33.1	+ 9 31	10.0	B5
	..	33.1	+ 9 16	11.0	Go
	1318	33.1	+ 6 45	10.6	K2
	..	33.1	+ 6 14	10.5	Go
	1341	33.1	+ 5 33	10.2	Ao
	..	33.2	+33 16	11.6	K5
	1364	33.2	+32 16	11.2	G5
	1374	33.2	+31 24	10.7	F5
	1375	33.2	+31 11	10.8	A7
	1195	33.2	+28 34	11.3	G5
	1198	33.2	+28 27	9.0	Go
	..	33.2	+27 53	11.4	F5
	..	33.2	+26 40	11.7	G5
	1305	33.2	+26 28	11.8	K7
	1360	33.2	+25 13	10.6	Ao
	..	33.2	+24 54	11.1	Ko
	..	33.2	+24 42	10.5	F5
	1342	33.2	+24 28	10.4	Ko
	1341	33.2	+24 10	10.4	Ao
	1418	33.2	+22 31	10.0	A3
	1317	33.2	+21 21	9.2	B9
	1293	33.2	+18 57	10.6	G5
	..	33.2	+18 48	10.8	A2
	1334	33.2	+17 6	10.6	Ao
	1229	33.2	+16 10	11.6	Mo
	1267	33.2	+15 20	9.4	Fo
	..	33.2	+12 29	11.2	A3
	1255	33.2	+11 16	10.0	A2
	..	33.2	+10 17	10.8	F8
	1317	33.2	+ 9 15	9.0	G5
	1318	33.2	+ 9 3	11.0	G5
	..	33.2	+ 8 4	11.2	Fo
	..	33.2	+ 7 19	11.6	A
	..	33.2	+ 7 11	11.4	Fo
	1319	33.2	+ 6 56	10.0	Ao
	..	33.2	+ 5 52	11.6	A
	..	33.2	+ 4 31	11.4	Ao
	1331	33.2	+ 3 11	11.1	Ko
	1421	33.3	+34 9	9.7	Ko
	1380	33.3	+32 59	11.5	Ko
	..	33.3	+29 55	12.0	K5
	..	33.3	+29 24	10.6	A2
	..	33.3	+27 39	12.2	Ko
	..	33.3	+26 55	12.0	A
	1306	33.3	+26 13	10.3	M2
	1362	33.3	+25 10	10.1	K8
	1441	33.3	+23 19	10.0	Ko
	1320	33.3	+21 48	11.4	K7
	..	33.3	+21 33	11.4	G
	1318	33.3	+21 22	9.2	Ko
	1319	33.3	+20 59	10.6	F8
	1425	33.3	+19 13	9.6	Fo
	1294	33.3	+18 25	10.5	A3
	1295	33.3	+18 22	11.6	K7
	..	33.3	+18 9	11.6	A
	1230	33.3	+16 24	10.7	A2
	1344	33.3	+13 4	9.0	F2
	1207	33.3	+10 49	10.1	Ao
	1319	33.3	+ 9 34	9.3	Fo
	1423	33.3	+ 8 37	9.6	Go
	..	33.3	+ 7 47	11.0	A5
	..	33.3	+ 6 23	11.3	A5
	..	33.3	+ 5 6	11.2	F5
	1364	33.3	+ 4 22	9.7	B3
	1362	33.3	+ 4 12	10.4	F8
	1365	33.4	+31 59	11.5	Ko
	..	33.4	+28 37	11.2	F2
	..	33.4	+28 12	10.6	Ko
	..	33.4	+28 3	11.9	Ko
	..	33.4	+27 38	11.0	Go
	..	33.4	+27 33	12.2	K7
	1183	33.4	+27 0	10.3	Go
	1364	33.4	+25 36	10.0	K5
	1365	33.4	+25 5	9.6	Go
	1347	33.4	+24 26	11.2	Mo
	..	33.4	+23 41	10.6	G
	..	33.4	+22 16	11.0	A3
	1419	33.4	+22 14	10.4	K7
	1321	33.4	+21 23	9.1	A2
	..	33.4	+17 58	11.6	A
	1269	33.4	+15 13	9.4	A7
	..	33.4	+14 46	10.9	F8
	1379	33.4	+14 20	9.0	A3
	..	33.4	+14 9	11.1	A
	1346	33.4	+13 33	10.2	B9
	..	33.4	+13 25	10.4	A3
	..	33.4	+13 1	10.6	A2
	1231	33.4	+12 35	10.8	Mo
	..	33.4	+12 1	11.2	G5
	..	33.4	+11 7	10.6	F2
	..	33.4	+ 9 21	11.0	A7
	1424	33.4	+ 8 55	10.8	G
	..	33.4	+ 8 53	11.0	Go
	1426	33.4	+ 8 18	10.0	A3
	1387	33.4	+ 7 51	9.5	Fo
	..	33.4	+ 7 27	11.2	Ao
	..	33.4	+ 7 22	10.4	F2
	..	33.4	+ 7 13	11.0	Ao
	1385	33.4	+ 7 8	10.3	B8
	..	33.4	+ 6 56	11.4	K5
	1320	33.4	+ 6 17	10.6	K2
	..	33.4	+ 4 25	11.5	F2
	..	33.5	+32 33	11.3	F8
		33.5	+31 47	11.9	F8
	1376				
		33.5	+31 47	12.1	A3
	1291	33.5	+30 1	11.4	G5
	..	33.5	+29 44	11.2	Fo
	1299	33.5	+29 24	10.6	Go
	..	33.5	+27 58	11.6	K2
	..	33.5	+27 50	12.0	Go
	..	33.5	+27 45	11.5	F8
	..	33.5	+26 51	11.2	G
	..	33.5	+26 28	11.7	A7
	1366	33.5	+25 41	10.5	Go
	..	33.5	+24 10	11.4	M3
	1442	33.5	+23 22	10.6	K2
	1420	33.5	+22 44	9.5	K5
	..	33.5	+21 5	11.0	Go
	..	33.5	+19 51	11.2	F8
	..	33.5	+19 31	10.3	Go
	..	33.5	+18 59	11.4	G
	..	33.5	+18 47	11.4	A
	..	33.5	+18 36	11.3	Go
	..	33.5	+18 33	11.6	A
	1336	33.5	+17 45	9.6	Ao
	..	33.5	+17 37	10.4	A3
	..	33.5	+16 50	10.6	F5
	..	33.5	+16 24	11.4	Go
	1270	33.5	+15 26	11.0	K7

$+3°.0$ to $+34°.0$

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261300

$6^h\ 33^m.5$ to $6^h\ 34^m.1$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	..	33.5	+14 6	11.0	F8
2	1345	33.5	+13 56	9.8	A2
3	1256	33.5	+11 29	11.2	K2
4	..	33.5	+11 0	11.4	Ko
5	..	33.5	+ 9 50	10.9	Ao
6	1321	33.5	+ 6 5	10.6	Fo
7	1343	33.5	+ 5 10	9.5	B8
8	1381	33.6	+33 48	10.7	Go
9		33.6	+33 48	10.6	F2
10	..	33.6	+32 40	11.7	G5
11	..	33.6	+30 37	11.1	Go
12	..	33.6	+29 35	11.3	Go
13	..	33.6	+29 21	11.6	Ko
14	..	33.6	+28 10	12.0	G5
15	1184	33.6	+27 0	11.1	G5
16	..	33.6	+26 31	10.6	A5
17	*1344*	33.6	+23 59	10.6	G5
18	1444	33.6	+23 44	10.1	Fo
19	..	33.6	+23 44	10.9	A
20	..	33.6	+23 43	11.0	A
21	..	33.6	+23 13	10.2	F8
22	1422	33.6	+22 17	10.8	Ko
23	..	33.6	+20 54	11.2	Ao
24	..	33.6	+20 42	11.2	F8
25	1296	33.6	+18 38	10.4	F8
26	1337	33.6	+17 53	11.0	K5
27	..	33.6	+17 43	10.5	Go
28	1348	33.6	+13 27	10.4	Go
29	..	33.6	+11 19	11.3	A5
30	..	33.6	+10 14	11.3	K5
31	1320	33.6	+ 9 47	9.6	Fo
32	..	33.6	+ 8 14	11.0	G
33	..	33.6	+ 7 15	12.2	K5
34	1322	33.6	+ 6 0	10.0	B5
35	..	33.6	+ 5 25	11.0	Ko
36	..	33.6	+ 5 0	11.0	F
37	..	33.7	+33 50	11.0	F5
38	..	33.7	+32 31	11.8	G5
39	1293	33.7	+30 30	11.0	A3
40	1292	33.7	+30 8	11.6	G5
41	1300	33.7	+29 39	9.4	B8
42	..	33.7	+28 8	12.0	G5
43	1368	33.7	+25 30	9.6	A2
44	1369	33.7	+25 20	9.6	A5
45	1367	33.7	+25 8	10.3	Go
46	..	33.7	+24 33	10.4	B8
47	..	33.7	+23 12	10.4	Go
48	1445	33.7	+23 6	11.0	G5
49	..	33.7	+21 31	11.5	A
50	1519	33.7	+20 53	10.2	A2
	1518	33.7	+20 38	10.4	Go
	..	33.7	+19 1	11.6	F2
	1350	33.7	+13 41	10.1	Ao
	1257	33.7	+11 58	9.8	G5
	1321	33.7	+ 9 37	8.8	F5
	1428	33.7	+ 8 11	11.2	F8
	..	33.7	+ 6 57	11.2	Ao
	..	33.7	+ 6 55	11.4	F8
	..	33.7	+ 6 33	11.7	A
	..	33.7	+ 5 44	11.0	K8
	..	33.8	+33 20	11.3	F5
	1366	33.8	+32 50	10.8	Ko
	1367	33.8	+32 38	11.2	K2
	..	33.8	+31 4	11.2	F8
	1295	33.8	+30 43	9.8	A2
	1301	33.8	+29 21	10.2	Go
	1199	33.8	+28 50	11.6	K5
	1307	33.8	+26 36	10.8	F8
	1308	33.8	+26 29	9.0	A2
	..	33.8	+26 15	11.4	A
	..	33.8	+25 5	10.2	A3
	..	33.8	+24 35	11.2	K2
	..	33.8	+24 9	11.2	K5
	..	33.8	+22 33	11.0	F5
	..	33.8	+21 30	11.2	A
	1323	33.8	+21 3	10.8	Ko
	1322	33.8	+20 59	10.7	K5
	1520	33.8	+20 53	10.0	A2
	1297	33.8	+18 48	10.2	B9
	..	33.8	+17 51	10.6	Go
	..	33.8	+17 6	11.0	Go
	1232	33.8	+16 14	11.0	G5
	..	33.8	+13 42	11.1	Go
	1234	33.8	+12 38	10.2	G5
	1233	33.8	+12 12	9.6	A7
	1210	33.8	+10 39	10.5	G5
	..	33.8	+ 9 41	10.2	A3
	..	33.8	+ 9 20	11.0	Ko
	1429	33.8	+ 8 52	10.5	F2
	..	33.8	+ 8 40	11.3	Mo
	1388	33.8	+ 7 38	9.8	F8
	..	33.8	+ 7 3	11.0	Fo
	..	33.8	+ 6 43	9.8	A2
	1323	33.8	+ 6 33	10.5	B8
	..	33.8	+ 6 12	10.0	Go
	1346	33.8	+ 5 32	9.4	A5
	1367	33.8	+ 3 58	10.2	A7
	1336	33.8	+ 3 53	10.5	Ao
	..	33.9	+33 56	11.2	F5
	1377	33.9	+31 42	10.2	B9
	1296	33.9	+30 2	11.0	Go
	1303	33.9	+29 4	9.8	Go
	1302	33.9	+28 59	10.4	Ko
	..	33.9	+26 13	10.8	A3
	..	33.9	+25 44	11.0	Ko
	1371	33.9	+25 25	10.3	K5
	1372	33.9	+25 15	9.8	K2
	..	33.9	+25 14	10.2	A
	1345	33.9	+24 7	10.0	Ko
	..	33.9	+19 0	11.4	Ao
	1298	33.9	+18 42	10.4	Ko
	..	33.9	+17 49	10.9	Go
	..	33.9	+16 49	10.8	Ao
	1352	33.9	+13 30	10.8	A7
	..	33.9	+12 46	10.7	Ko
	1430	33.9	+ 8 44	9.0	Ao
	..	33.9	+ 8 34	11.0	F5
	..	33.9	+ 6 53	10.5	Fo
	1325	33.9	+ 6 51	9.9	Go
	1324	33.9	+ 6 28	9.9	Ao
	..	33.9	+ 6 25	10.8	A5
	..	33.9	+ 6 5	10.3	A
	..	33.9	+ 6 4	10.2	A
	1347	33.9	+ 5 44	11.2	K2
	..	33.9	+ 5 8	11.0	A
	1368	33.9	+ 4 35	10.4	A3
	..	33.9	+ 4 7	11.2	Go
	1337	33.9	+ 3 46	10.2	Ao
	..	34.0	+29 52	10.8	F2
	1201	34.0	+28 13	10.8	Mo
	..	34.0	+28 1	11.4	A5
	..	34.0	+27 24	11.8	Fo
	..	34.0	+27 14	11.2	Go
	1346	34.0	+24 49	11.5	K7
	..	34.0	+23 31	11.0	F
	..	34.0	+22 28	10.8	Ko
	1425	34.0	+22 16	10.8	A2
	..	34.0	+21 12	11.8	K5
	..	34.0	+20 54	11.2	A3
	..	34.0	+20 35	11.2	F5
	1426	34.0	+19 34	10.4	G5
	1427	34.0	+19 9	10.4	K2
	1380	34.0	+14 25	10.0	A3
	1258	34.0	+11 32	9.6	A5
	..	34.0	+10 27	10.8	A5
	1323	34.0	+ 9 48	10.1	A7
	1431	34.0	+ 8 39	10.2	F5
	1390	34.0	+ 7 44	10.2	B8
	..	34.0	+ 7 19	10.4	F8
	..	34.0	+ 7 9	10.3	A2
	..	34.0	+ 6 31	11.2	A
	1326	34.0	+ 6 10	9.6	Fo
	1327	34.0	+ 6 4	9.9	Fo
	..	34.0	+ 4 58	11.0	B9
	..	34.0	+ 4 19	11.8	A
	1369	34.0	+ 3 59	10.4	K2
	1339	34.0	+ 3 57	11.0	G5
	1338	34.0	+ 3 13	10.4	A5
	1423	34.1	+34 18	11.2	K2
	..	34.1	+33 53	11.2	Fo
	1382	34.1	+33 0	9.4	F2
	1378	34.1	+31 49	11.2	Go
	1379	34.1	+31 23	10.3	A2
	..	34.1	+31 4	10.3	F5
	..	34.1	+30 28	12.0	Go
	1200	34.1	+28 47	10.6	Fo
	1202	34.1	+28 29	9.8	A5
	..	34.1	+27 52	11.6	Go
	..	34.1	+27 25	11.8	Ko
	..	34.1	+27 16	11.7	G5
	1309	34.1	+26 21	9.3	A3
	1373	34.1	+25 50	10.8	G5
	..	34.1	+23 35	11.0	Ao
	1448	34.1	+23 3	10.0	Ko
	..	34.1	+22 44	10.6	A2
	1426	34.1	+21 59	9.7	A3
	1324	34.1	+21 29	10.4	Go
	1522	34.1	+20 29	9.5	Fo
	..	34.1	+20 16	11.6	K7
	1299	34.1	+18 31	10.4	Ao
	1340	34.1	+17 54	10.6	G5
	1341	34.1	+17 41	10.0	A2
	..	34.1	+14 17	10.3	A5
	1353	34.1	+13 57	10.5	Fo
	1354	34.1	+13 49	11.0	G
	..	34.1	+13 35	10.8	A5
	1236	34.1	+12 37	10.2	Ko
	1259	34.1	+11 36	8.8	A2
	..	34.1	+10 51	11.4	K5
	1432	34.1	+ 8 26	8.6	B3
	..	34.1	+ 8 2	11.8	A
	..	34.1	+ 7 49	10.9	A2
	..	34.1	+ 7 5	11.2	A
	..	34.1	+ 5 40	11.0	Ao
	1349	34.1	+ 5 6	11.2	K5
	..	34.1	+ 4 33	11.0	A
	1371	34.1	+ 4 31	10.4	F5
	1370	34.1	+ 4 9	10.1	K2
	1340	34.1	+ 3 54	10.2	F8
	..	34.1	+ 3 3	11.4	A

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	34.2	+34 15	10.4	F8	1262	34.3	+11 33	9.8	F8	1187	34.5	+27 32	11.6	F2	..	34.6	+16 3	11.2	Ao
2	1304	34.2	+29 54	10.6	F8	1261	34.3	+11 4	11.0	F8	1312	34.5	+26 47	10.4	Ao	..	34.6	+14 7	11.2	A5
3	..	34.2	+29 31	11.0	F8	..	34.3	+10 24	11.0	F5	1313	34.5	+26 17	10.9	Ko	..	34.6	+11 46	11.4	G
4	1203	34.2	+28 46	9.6	A2	..	34.3	+ 7 54	11.2	Ao	..	34.5	+25 56	11.2	Ko	1264	34.6	+11 37	10.2	Go
5	..	34.2	+28 2	11.7	Ko	1391	34.3	+ 7 0	11.0	A5	1381	34.5	+25 44	10.6	Ao		34.6	+11 37	10.6	Fo
6	1376	34.2	+25 18	10.4	Fo	1341	34.3	+ 3 39	10.8	Ao	1454	34.5	+23 18	8.9	B9	1213	34.6	+10 58	9.0	Ao
7	1449	34.2	+23 36	10.2	Go	1342	34.3	+ 3 25	10.2	K2	..	34.5	+22 5	11.8	K5	..	34.6	+ 9 41	10.8	Ao
8	1427	34.2	+22 30	9.5	A5	..	34.3	+ 3 16	11.4	Ao	1326	34.5	+21 55	10.2	A2	1327	34.6	+ 9 29	9.8	Ao
9	..	34.2	+21 35	11.0	Ao	..	34.3	+ 3 2	10.8	G5	..	34.5	+21 28	11.0	A7	..	34.6	+ 8 58	11.0	A3
10	..	34.2	+20 35	11.4	A3	1424	34.4	+34 25	11.0	G5	..	34.5	+21 27	11.8	M	..	34.6	+ 8 44	11.2	Go
11	1523	34.2	+20 6	10.5	Ko	1425	34.4	+34 20	9.8	Ko	..	34.5	+21 21	11.6	G5	1435	34.6	+ 8 38	9.8	Ko
12	1431	34.2	+19 41	11.4	Mo	..	34.4	+31 47	11.2	K2	1325	34.5	+21 16	10.0	G5	..	34.6	+ 5 39	11.0	A2
13	..	34.2	+18 33	11.3	A	1298	34.4	+30 48	10.5	F8	1327	34.5	+21 3	10.1	Ao	..	34.6	+ 5 15	11.6	K2
14	1300	34.2	+18 9	10.0	K2	..	34.4	+26 39	11.2	Ao	1526	34.5	+20 20	9.6	A3	..	34.6	+ 4 43	10.4	A2
15	1342	34.2	+17 43	10.0	F8	1311	34.4	+26 18	10.8	Ko	..	34.5	+17 43	11.5	K2	..	34.6	+ 3 17	11.1	A
16	1343	34.2	+17 27	9.9	A3	1380	34.4	+25 46	11.1	Mo	1344	34.5	+17 31	10.4	F5	..	34.7	+32 57	11.8	A
17	1233	34.2	+16 27	9.2	Fo	..	34.4	+25 24	11.4	K5	1275	34.5	+15 47	9.2	A2	..	34.7	+30 4	11.1	A7
18	..	34.2	+15 32	11.7	G5	1379	34.4	+25 14	10.0	Ao	1360	34.5	+13 48	11.0	Ko	1315	34.7	+26 50	10.7	A2
19	..	34.2	+15 11	11.4	Go	..	34.4	+25 11	10.4	G5	1362	34.5	+13 48	10.9	A3	1349	34.7	+24 48	10.0	Ko
20	..	34.2	+12 10	9.9	B8	..	34.4	+24 14	11.0	Ao	1361	34.5	+13 40	10.8	Go	..	34.7	+24 10	10.8	Go
21	1260	34.2	+11 17	9.5	Go	..	34.4	+24 14	11.0	G	..	34.5	+12 0	10.8	A2	..	34.7	+24 10	10.8	F5
22	..	34.2	+10 16	11.2	K	1453	34.4	+23 0	9.2	Go	..	34.5	+10 11	11.0	Fo	..	34.7	+23 46	11.0	K5
23	..	34.2	+ 8 29	11.0	Ao	..	34.4	+22 44	10.8	Ao	1434	34.5	+ 8 22	10.2	Ko	1328	34.7	+21 55	11.0	G
24	..	34.2	+ 8 17	11.2	A2	..	34.4	+21 19	11.5	A	..	34.5	+ 8 7	11.0	Fo	..	34.7	+20 19	10.8	A5
25	1330	34.2	+ 6 33	11.2	F8	1524	34.4	+20 3	9.7	F5	..	34.5	+ 7 28	11.7	A	..	34.7	+17 18	11.6	A5
26	1329	34.2	+ 6 22	11.4	M	..	34.4	+19 35	11.5	A5	1393	34.5	+ 7 22	9.8	K2	1345	34.7	+17 10	11.6	K7
27	1328	34.2	+ 6 12	10.1	K5	..	34.4	+18 53	11.5	Go	..	34.5	+ 6 8	11.3	A	1237	34.7	+16 24	9.8	B5
28	..	34.2	+ 6 10	10.6	A	..	34.4	+16 24	10.4	B9	1333	34.5	+ 6 3	9.8	A2	..	34.7	+16 12	11.0	A2
29	..	34.2	+ 4 5	10.9	F5	1273	34.4	+15 50	9.4	Ko	..	34.5	+ 5 41	11.6	A	1276	34.7	+15 14	11.2	Ao
30	..	34.2	+ 3 7	10.4	B9	1274	34.4	+15 26	10.8	A2	1352	34.5	+ 5 10	9.8	B9	..	34.7	+11 52	11.5	F8
31	1368	34.3	+32 5	11.0	K2	..	34.4	+14 38	10.6	Ao	1351	34.5	+ 5 3	11.3	Ko	1266	34.7	+11 44	10.9	A7
32		34.3	+32 5	11.2	K2	..	34.4	+10 33	11.4	G	1345	34.5	+ 3 39	10.9	Fo	1265	34.7	+11 4	10.5	Ko
33	1382	34.3	+31 36	10.8	Ko	1212	34.4	+10 21	9.9	F5	..	34.6	+33 55	11.4	F2	1328	34.7	+ 9 24	8.8	K8
34	..	34.3	+30 37	11.6	A7	..	34.4	+10 14	10.8	A2	..	34.6	+32 14	12.4	G5	1436	34.7	+ 8 27	10.2	G5
35	..	34.3	+26 33	11.7	F5	1326	34.4	+ 9 34	10.2	A3	..	34.6	+30 45	10.8	A3	..	34.7	+ 7 24	11.2	A
36	*1310*	34.3	+25 59	10.0	A2	1325	34.4	+ 9 28	10.1	A5	1305	34.6	+29 51	10.2	Go	1395	34.7	+ 7 20	9.5	A3
37	1377	34.3	+25 48	10.0	A2	..	34.4	+ 8 12	11.2	F8	..	34.6	+28 21	12.1	Ko	..	34.7	+ 6 2	10.7	Fo
38	1378	34.3	+25 10	9.0	F5	1392	34.4	+ 7 6	10.4	A7	..	34.6	+28 12	11.2	Go	1353	34.7	+ 5 54	10.5	Ko
39	1450	34.3	+23 34	9.3	F2	1332	34.4	+ 6 34	10.7	A3	..	34.6	+27 30	11.6	G5	..	34.7	+ 4 55	10.8	G5
40	..	34.3	+23 17	10.4	Go	..	34.4	+ 6 13	11.0	A	..	34.6	+26 24	11.3	F8	1375	34.7	+ 4 48	10.9	K2
41	1432	34.3	+19 52	9.8	Ko	..	34.4	+ 4 40	10.8	Ao	1314	34.6	+26 13	10.8	Go	..	34.7	+ 4 19	11.6	G
42	..	34.3	+19 18	11.0	A7	1372	34.4	+ 4 13	10.6	Fo	..	34.6	+25 13	11.2	Ko	1306	34.8	+29 28	10.9	F8
43	..	34.3	+18 28	11.4	A	..	34.4	+ 4 10	11.0	K8	1348	34.6	+24 39	10.6	Go	1205	34.8	+28 50	11.8	K5
44	1234	34.3	+16 34	10.2	Go	..	34.4	+ 3 30	10.6	A3	1350	34.6	+24 2	11.0	Go	1188	34.8	+27 44	11.5	F8
45	..	34.3	+15 42	10.4	A3	1344	34.4	+ 3 13	9.6	B5	..	34.6	+20 32	10.4	Ao	..	34.8	+27 41	11.0	F5
46	..	34.3	+15 23	11.6	A	*1343*	34.4	+ 2 59	10.4	A3	..	34.6	+20 11	11.2	A3	..	34.8	+27 12	11.8	F2
47	1272	34.3	+15 11	9.6	Go	1426	34.5	+34 12	11.4	Mo	1434	34.6	+19 36	11.2	Go	1316	34.8	+26 41	11.6	Ko
48	1382	34.3	+14 42	10.5	K2	1369	34.5	+32 44	11.2	K7	..	34.6	+18 27	11.5	F5	1428	34.8	+22 57	10.0	K2
49	1383	34.3	+14 41	11.3	A	..	34.5	+28 50	11.6	Go	1302	34.6	+18 13	11.2	K2	1330	34.8	+21 13	11.3	K7
50	1359	34.3	+13 36	10.7	Ko	..	34.5	+27 39	12.0	Go	1236	34.6	+16 26	10.5	A3	..	34.8	+20 45	10.2	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	34.8	+19 0	12.0	G5	..	35.0	+27 40	11.7	A5	1384	35.2	+25 18	10.7	Ko	..	35.3	+ 4 55	11.4	A
2	..	34.8	+18 39	11.4	Go	..	35.0	+23 8	10.4	F	1457	35.2	+23 57	10.7	K7	..	35.3	+ 4 44	11.6	K
3	..	34.8	+18 32	11.4	A2	1432	35.0	+22 54	10.2	K2	1529	35.2	+20 23	10.0	Go	1349	35.3	+ 3 47	10.0	A2
4	1303	34.8	+18 20	11.2	G5	..	35.0	+22 42	10.6	Ao	..	35.2	+20 1	10.4	Ao	1351	35.3	+ 3 34	9.9	B9
5	..	34.8	+18 10	11.6	F2	1433	35.0	+22 26	10.9	G5	1436	35.2	+19 53	10.0	Ao	..	35.3	+ 3 10	11.2	Go
6	1347	34.8	+17 37	10.2	G5	1278	35.0	+15 54	10.1	Fo	..	35.2	+18 57	11.6	Ko	1385	35.4	+33 20	11.8	G5
7	..	34.8	+14 9	11.0	K7	..	35.0	+15 29	11.2	Go	..	35.2	+17 54	11.4	A	..	35.4	+31 25	11.7	Ko
8	1364	34.8	+13 33	10.5	Ko	8..	35.0	+13 21	10.6	B9	..	35.2	+14 49	11.3	A	..	35.4	+30 31	12.1	G5
9	1240	34.8	+12 49	9.6	F2	..	35.0	+12 20	11.0	Ao	1217	35.2	+10 14	10.8	A3	1301	35.4	+30 12	11.2	K
10	..	34.8	+12 26	10.6	A5	1268	35.0	+11 4	10.2	A5	1335	35.2	+ 9 52	9.0	B8	1302	35.4	+30 6	10.8	Mo
11	..	34.8	+ 9 23	11.2	A2	1396	35.0	+ 7 13	11.3	K2	1439	35.2	+ 8 36	9.0	B8	..	35.4	+29 25	11.0	F8
12	..	34.8	+ 8 30	10.7	Ao	1336	35.0	+ 6 43	9.7	A2	..	35.2	+ 7 26	11.8	A	1311	35.4	+29 1	11.1	K5
13	..	34.8	+ 8 3	11.3	Go	..	35.0	+ 6 4	11.0	A2	1398	35.2	+ 7 16	9.6	Ko	1209	35.4	+28 1	10.2	A3
14	..	34.8	+ 7 15	11.0	B8	..	35.0	+ 5 48	10.2	A7	1377	35.2	+ 4 57	11.4	Ko	1193	35.4	+27 29	10.0	Mo
15	..	34.8	+ 6 22	10.9	A2	..	35.0	+ 4 49	11.1	A7	1379	35.2	+ 4 53	10.0	A5	..	35.4	+27 2	11.6	A5
16	..	34.8	+ 5 44	10.9	F5	1346	35.0	+ 3 29	9.8	A3	..	35.2	+ 4 50	10.8	K	..	35.4	+22 42	11.2	F
17	1376	34.8	+ 4 52	10.7	Ao	..	35.1	+27 38	11.8	K2	1378	35.2	+ 4 43	10.6	K7	1435	35.4	+22 40	11.0	Ko
18	..	34.8	+ 3 48	11.4	A5	1189	35.1	+27 18	10.8	Ao	1380	35.2	+ 4 16	9.6	Ao	..	35.4	+22 3	11.1	A3
19	..	34.8	+ 3 27	11.8	A	..	35.1	+24 21	11.0	G	..	35.2	+ 3 11	10.9	Go	1334	35.4	+21 35	11.1	Ao
20	..	34.9	+34 6	11.0	A3	1352	35.1	+24 21	10.2	Fo	..	35.3	+34 23	10.7	Fo	..	35.4	+20 34	11.1	A5
21	1385	34.9	+31 36	11.4	K5	1355	35.1	+24 2	10.4	Ao	1374	35.3	+32 45	11.1	A2	1530	35.4	+20 1	10.5	Ko
22	1384	34.9	+31 27	11.0	Ko	1434	35.1	+22 8	10.2	A5	1373	35.3	+32 22	9.8	F2	1437	35.4	+19 53	10.0	F8
23	1206	34.9	+28 47	10.6	F8	1332	35.1	+21 13	11.4	Ko	1387	35.3	+31 2	10.7	Ko	..	35.4	+16 10	11.0	A5
24	..	34.9	+28 2	11.9	G5	..	35.1	+17 46	10.4	F5	..	35.3	+29 17	11.6	F2	1280	35.4	+15 53	11.1	Ko
25	..	34.9	+26 36	11.6	F2	1238	35.1	+16 54	11.3	Ao	..	35.3	+28 50	11.6	K7	1389	35.4	+14 40	11.0	K5
26	1351	34.9	+24 15	10.6	Ko	..	35.1	+16 4	11.7	Ko	1208	35.3	+28 24	9.1	A2	1390	35.4	+14 27	10.8	F5
27	1456	34.9	+23 30	9.4	A2	1279	35.1	+15 53	11.0	K2	..	35.3	+26 27	11.8	Ao	1242	35.4	+12 9	10.0	A2
28	1430	34.9	+22 44	10.2	Ao	..	35.1	+15 33	10.8	F2	..	35.3	+26 12	10.6	A2	1338	35.4	+ 9 58	9.2	Ao
29	1331	34.9	+21 4	9.2	A2	..	35.1	+15 20	10.9	G5	..	35.3	+24 30	11.8	K5	..	35.4	+ 9 45	10.2	Ao
30	1527	34.9	+20 51	9.9	G5	1269	35.1	+11 18	9.2	A2	..	35.3	+24 17	10.8	Go	..	35.4	+ 8 58	11.2	A5
31	..	34.9	+19 35	11.2	Go	..	35.1	+10 39	11.0	G5	1459	35.3	+23 42	10.0	A	..	35.4	+ 8 52	11.2	A
32	..	34.9	+18 50	11.3	G5	1216	35.1	+10 4	9.8	F8		35.3	+23 42	10.0	A	1445	35.4	+ 8 12	11.4	K5
33	..	34.9	+15 56	11.3	Fo	1333	35.1	+ 9 42	9.2	K5	1333	35.3	+21 20	10.8	A3	1443	35.4	+ 8 8	11.2	Go
34	1277	34.9	+15 13	11.1	Go	1397	35.1	+ 7 36	11.4	F8	..	35.3	+18 55	10.6	A7	..	35.4	+ 7 4	11.4	G5
35	1385	34.9	+14 12	9.8	A3	..	35.1	+ 7 18	10.8	B9	1349	35.3	+17 7	10.2	A2	1340	35.4	+ 6 47	9.1	Fo
36	1330	34.9	+ 9 52	9.1	A3	1337	35.1	+ 6 51	10.5	Go	1388	35.3	+14 2	9.5	A7	..	35.4	+ 6 37	9.9	B9
37	1329	34.9	+ 9 48	10.2	A2	..	35.1	+ 3 32	10.7	A2	..	35.3	+12 18	10.6	A7	..	35.4	+ 5 37	10.6	A2
38	..	34.9	+ 6 54	10.7	Ao	1347	35.1	+ 3 2	10.4	F5	1270	35.3	+11 27	10.2	B5	1360	35.4	+ 5 8	10.6	A2
39	..	34.9	+ 6 17	11.1	F2	1429	35.2	+34 18	10.5	G5	..	35.3	+10 56	11.3	G	..	35.4	+ 4 14	10.6	G5
40	1354	34.9	+ 5 51	10.0	A3	..	35.2	+30 20	11.4	A5	1218	35.3	+10 18	10.4	F8	..	35.4	+ 3 16	10.8	B9
41	..	34.9	+ 5 17	10.8	F8	..	35.2	+29 33	11.1	A2	1336	35.3	+ 9 57	10.0	Ao	1358	35.5	+24 42	10.0	Go
42	1355	34.9	+ 5 12	10.2	B9	..	35.2	+29 16	11.9	G5	1337	35.3	+ 9 28	9.7	B5	1359	35.5	+24 30	10.2	Go
43	..	34.9	+ 4 51	11.6	Go	..	35.2	+28 52	11.6	A3	1440	35.3	+ 8 35	10.6	Ko	1460	35.5	+23 19	9.8	A3
44	..	34.9	+ 4 15	11.2	F8	1192	35.2	+27 23	11.1	Go	1441	35.3	+ 8 12	12.2	Ko	..	35.5	+22 10	11.6	A5
45	..	34.9	+ 3 59	10.9	A3	1191	35.2	+27 20	10.8	F8	..	35.3	+ 7 17	11.2	Go	1335	35.5	+21 47	10.7	Ko
46	1384	35.0	+33 57	9.4	Ko	1190	35.2	+27 18	10.6	Fo	1399	35.3	+ 7 14	10.7	Fo	1305	35.5	+18 43	10.2	Fo
47	1371	35.0	+32 15	10.4	Fo	1320	35.2	+26 52	9.9	A3	1339	35.3	+ 6 51	10.8	G5	1306	35.5	+18 32	10.7	A5
48	..	35.0	+31 2	10.3	A3	1319	35.2	+26 24	10.0	Ao	1358	35.3	+ 5 51	10.2	F8	1350	35.5	+17 38	10.3	K5
49	..	35.0	+28 40	10.6	F5	1318	35.2	+25 59	10.8	F8	..	35.3	+ 5 10	10.9	A5	..	35.5	+15 46	10.4	Ao
50	..	35.0	+27 57	11.0	A3	1383	35.2	+25 24	11.2	Ko	..	35.3	+ 4 56	11.8	A	1367	35.5	+13 31	10.9	F8

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		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	35.5	+12 25	10.8	K0	..	35.7	+34 17	11.2	A0	..	35.8	+23 41	10.9	A	1328	36.0	+26 44	10.8	K5
2	1339	35.5	+ 9 40	9.7	B8	..	35.7	+33 41	11.8	F8	1438	35.8	+22 45	10.0	K0	1327	36.0	+26 17	10.4	K5
3	1341	35.5	+ 9 33	9.0	B9	..	35.7	+33 14	11.6	K2	..	35.8	+22 26	11.6	G	1391	36.0	+25 43	10.8	A0
4	..	35.5	+ 9 30	9.8	A0	..	35.7	+33 7	12.0	G5	1532	35.8	+20 48	10.2	A2	..	36.0	+23 55	11.7	K5
5	..	35.5	+ 9 18	11.0	A5	*1314*	35.7	+28 59	11.3	G0	..	35.8	+20 31	11.2	G0	..	36.0	+23 44	11.1	K0
6	1342	35.5	+ 6 24	10.9	K5	..	35.7	+28 22	11.6	A3	1310	35.8	+18 31	11.0	K0	..	36.0	+23 6	10.6	B9
7	..	35.5	+ 6 2	11.0	A	..	35.7	+28 0	11.7	G0	1353	35.8	+17 41	10.7	A2	..	36.0	+22 9	10.7	G
8	1341	35.5	+ 6 0	10.2	F0	1196	35.7	+27 54	10.0	A0	..	35.8	+17 13	11.2	F8	..	36.0	+21 17	11.6	K2
9	1361	35.5	+ 5 31	10.6	F8	..	35.7	+26 57	11.6	K7	1245	35.8	+12 54	9.4	A2	1533	36.0	+20 36	9.6	G0
10	..	35.5	+ 5 23	11.7	F0	1322	35.7	+26 24	9.4	A3	..	35.8	+12 34	9.6	A3	..	36.0	+20 6	10.7	F5
11	1382	35.5	+ 4 47	10.0	A0	1461	35.7	+23 31	10.1	F8	1244	35.8	+12 20	11.0	G5	1440	36.0	+19 56	11.0	A0
12	1353	35.5	+ 3 8	11.4	K0	1437	35.7	+22 29	11.4	F0	1243	35.8	+12 8	10.7	F2	1441	36.0	+19 51	9.6	F5
13	1433	35.6	+34 14	11.2	G5	1308	35.7	+18 11	10.9	M0	1346	35.8	+ 9 42	9.0	B5	..	36.0	+19 16	10.8	A0
14	..	35.6	+33 57	11.6	G	1351	35.7	+17 16	11.0	G5	1347	35.8	+ 9 37	9.4	F0	1244	36.0	+16 35	10.6	A2
15	..	35.6	+32 18	11.8	G5	1243	35.7	+16 52	9.6	B9	..	35.8	+ 9 17	9.8	A2	1282	36.0	+15 22	10.4	F5
16	1375	35.6	+32 2	11.0	F5	1370	35.7	+13 43	10.4	M0	..	35.8	+ 8 42	11.0	G0	1351	36.0	+ 9 56	9.3	A2
17	1313	35.6	+29 26	11.0	K0	1272	35.7	+11 49	8.6	A2	1402	35.8	+ 7 54	11.0	G5	..	36.0	+ 9 14	9.8	F5
18	..	35.6	+29 25	11.1	G0	1271	35.7	+11 18	9.4	F8	1401	35.8	+ 7 46	10.0	A5	1449	36.0	+ 8 34	9.5	A0
19	1312	35.6	+29 22	10.8	K2	*1227*	35.7	+ 9 59	8.6	B9	1400	35.8	+ 7 21	10.4	A3	1404	36.0	+ 7 37	10.7	K5
20	1210	35.6	+28 36	11.0	K5	..	35.7	+ 8 55	11.2	G	..	35.8	+ 7 10	11.8	A	1403	36.0	+ 7 31	10.1	F0
21	..	35.6	+27 5	11.8	A5	1448	35.7	+ 8 0	9.6	A2	..	35.8	+ 7 0	11.6	A	..	36.0	+ 7 23	11.2	B9
22	1321	35.6	+26 32	10.9	K0	..	35.7	+ 7 40	12.0	G	..	35.8	+ 6 45	11.0	A7	..	36.0	+ 6 48	10.7	G0
23	1385	35.6	+25 48	9.6	F0	1343	35.7	+ 6 32	9.8	A2	1344	35.8	+ 6 9	9.4	B9	1389	36.0	+ 4 45	9.8	B9
24	..	35.6	+22 26	11.6	G5	..	35.7	+ 6 8	10.6	F8	..	35.8	+ 6 5	11.0	K0	..	36.0	+ 4 37	11.7	A
25	1338	35.6	+21 57	11.0	M5	1363	35.7	+ 5 28	9.8	G0	1364	35.8	+ 5 34	10.1	K0	1387	36.0	+ 4 33	10.2	A0
26	1336	35.6	+21 29	10.3	F8	..	35.7	+ 4 35	11.4	A3	1385	35.8	+ 4 36	10.4	B8	..	36.0	+ 4 27	11.6	A
27	..	35.6	+19 43	11.1	F0	..	35.7	+ 4 34	11.3	G	..	35.9	+33 57	11.2	G5	1355	36.0	+ 3 31	10.0	A0
28	..	35.6	+19 19	11.3	A0	1384	35.7	+ 4 29	10.8	A0	1376	35.9	+32 38	10.8	A0	..	36.0	+ 3 18	10.8	F5
29	1307	35.6	+18 43	9.7	F5		35.7	+ 4 29	11.0	A0	..	35.9	+30 52	11.6	G	..	36.1	+32 4	11.4	F0
30	..	35.6	+17 27	10.4	A3	..	35.7	+ 4 14	11.3	F5	1326	35.9	+26 43	10.5	K5	..	36.1	+30 41	11.0	F8
31	1241	35.6	+16 9	10.8	F0	..	35.8	+34 35	11.2	A5	1325	35.9	+26 36	11.1	K8	1317	36.1	+29 43	10.4	K2
32	1393	35.6	+14 58	10.6	F5	..	35.8	+33 16	11.7	G5	1324	35.9	+26 3	10.4	F5	..	36.1	+28 22	11.6	F5
33	1391	35.6	+14 57	10.4	K2	..	35.8	+33 1	11.8	F	1439	35.9	+22 39	10.2	K2	1213	36.1	+28 11	12.2	K7
34	1369	35.6	+13 9	10.7	B9	..	35.8	+32 51	11.6	F5	1440	35.9	+22 2	11.5	K0		36.1	+28 11	11.8	K0
35	1226	35.6	+10 23	9.2	G5	..	35.8	+30 55	11.6	G5	1341	35.9	+21 0	10.2	A5	1198	36.1	+27 14	9.8	A2
36	1225	35.6	+10 14	9.4	B8	..	35.8	+30 37	11.9	F0	*1340*	35.9	+20 58	10.4	K0	1329	36.1	+26 31	10.2	F5
37	1224	35.6	+10 1	10.4	F0	..	35.8	+30 1	11.7	F5	..	35.9	+19 41	10.1	A5	..	36.1	+25 0	10.5	G5
38	*1223*	35.6	+ 9 59	9.2	B9	1316	35.8	+29 50	10.8	G0	..	35.9	+19 29	11.2	A7	1363	36.1	+24 54	10.5	G0
39	..	35.6	+ 9 43	10.7	A2	1315	35.8	+29 35	10.2	K0	1312	35.9	+18 27	10.8	F2	1362	36.1	+24 48	11.9	G5
40	1342	35.6	+ 9 39	9.6	B5	1211	35.8	+28 52	9.8	F8	1311	35.9	+18 20	11.2	K7		36.1	+24 48	11.6	
41	1343	35.6	+ 9 29	10.9	A	..	35.8	+28 50	11.6	A5	..	35.9	+ 9 29	10.5	A2	1463	36.1	+23 26	10.0	B8
42	..	35.6	+ 8 26	11.2	G0	..	35.8	+28 36	11.4	G0	1348	35.9	+ 9 19	8.6	B3	*1462*	36.1	+22 58	9.8	A2
43	1447	35.6	+ 8 10	10.7	F0	..	35.8	+28 35	11.7	K0	..	35.9	+ 8 36	11.1	B8	..	36.1	+22 41	10.4	A0
44	1446	35.6	+ 8 0	9.7	B8	1197	35.8	+27 15	10.1	K2	..	35.9	+ 5 42	11.2	A5	1342	36.1	+21 18	10.8	G5
45	..	35.6	+ 7 20	11.5	A5	..	35.8	+25 43	10.6	A0	1365	35.9	+ 5 16	9.8	A0	1534	36.1	+20 19	9.8	F0
46	..	35.6	+ 6 58	11.7	A	1389	35.8	+25 34	10.4	G0	1386	35.9	+ 4 23	11.4	K0	1535	36.1	+20 12	8.5	F8
47	..	35.6	+ 6 25	11.1	G	1387	35.8	+25 16	10.8	K2	1354	35.9	+ 3 33	9.6	A5	1442	36.1	+19 16	10.4	G5
48	..	35.6	+ 6 23	11.1	A	1388	35.8	+25 4	9.7	F0	..	36.0	+34 24	11.9	K2	1443	36.1	+19 16	10.8	K2
49	..	35.6	+ 6 6	11.0	G	1360	35.8	+24 2	11.0	K8	..	36.0	+28 50	10.6	G0	..	36.1	+18 47	10.7	A0
50	..	35.6	+ 4 41	11.4	A3	1361	35.8	+24 2	10.0	A3	1212	36.0	+28 4	10.6	K7	..	36.1	+18 6	11.4	F5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	..	36.1	+17 57	11.4	A2
2	1246	36.1	+16 22	10.6	F8
3	..	36.1	+16 16	10.8	A3
4	1247	36.1	+16 15	10.2	Ko
5	1284	36.1	+15 9	11.0	G5
6	1285	36.1	+15 6	11.0	G5
7	1246	36.1	+12 28	9.2	A7
8	1353	36.1	+ 9 58	9.5	A2
9	..	36.1	+ 9 49	11.0	F5
10	1352	36.1	+ 9 25	9.6	F8
11	1451	36.1	+ 8 18	9.8	A2
12	..	36.1	+ 8 13	11.3	Fo
13	1450	36.1	+ 8 8	11.1	G
14	..	36.1	+ 6 38	11.4	A
15	..	36.1	+ 5 22	10.8	B9
16	1390	36.1	+ 4 47	10.8	K7
17	..	36.1	+ 3 17	12.1	K5
18	..	36.2	+33 18	11.2	K2
19	..	36.2	+32 51	11.6	G5
20	..	36.2	+29 40	11.1	Go
21	1319	36.2	+29 32	9.3	Go
22	1318	36.2	+29 6	11.2	F5
23	..	36.2	+27 41	11.1	Go
24	1330	36.2	+26 52	10.0	F5
25	..	36.2	+26 44	10.4	F8
26	..	36.2	+23 40	10.2	B9
27	..	36.2	+23 26	10.5	A5
28	..	36.2	+22 26	11.8	M
29	..	36.2	+19 37	11.3	A
30	..	36.2	+18 40	11.6	K5
31	..	36.2	+18 20	11.6	K7
32	..	36.2	+16 14	10.6	F5
33	1374	36.2	+13 31	11.0	K2
34	1372	36.2	+13 13	9.8	F8
35	..	36.2	+11 46	10.7	A7
36	..	36.2	+10 33	11.2	F8
37	1228	36.2	+10 8	9.3	Ko
38	1355	36.2	+ 9 53	9.2	Ao
39	1354	36.2	+ 9 9	10.4	F5
40	..	36.2	+ 8 44	10.6	Ao
41	1405	36.2	+ 7 56	9.4	A2
42	1348	36.2	+ 6 41	10.6	G5
43	1347	36.2	+ 6 18	9.4	B8
44	..	36.2	+ 4 58	10.8	A2
45	1392	36.2	+ 4 46	10.0	B5
46	1393	36.2	+ 4 33	11.1	Ko
47	..	36.2	+ 3 7	11.4	Ao
48	1387	36.3	+33 53	12.1	K7
49	..	36.3	+33 45	11.2	K5
50	*1386*	36.3	+32 59	10.0	Ko

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
..	36.3	+32 51	11.7	Go
1379	36.3	+32 20	11.2	F5
1390	36.3	+31 49	10.1	Ko
..	36.3	+31 19	11.6	Ko
1304	36.3	+30 57	11.2	F8
..	36.3	+29 47	11.6	K5
..	36.3	+28 42	11.8	Ko
1199	36.3	+27 32	10.5	K7
1394	36.3	+25 48	10.2	Ko
..	36.3	+25 28	11.2	A
1365	36.3	+24 51	9.2	Ao
..	36.3	+24 5	11.0	Go
..	36.3	+23 26	10.3	F8
1441	36.3	+22 54	10.2	K2
1442	36.3	+22 23	9.8	F8
1343	36.3	+21 57	10.5	Ko
..	36.3	+19 51	10.6	Ao
..	36.3	+18 40	11.5	F8
..	36.3	+17 38	11.3	Go
1355	36.3	+17 23	9.5	Ao
1354	36.3	+17 20	10.4	A2
..	36.3	+15 2	10.4	Ao
1375	36.3	+13 0	10.2	K5
1247	36.3	+12 40	9.1	A5
1276	36.3	+11 46	10.4	Ko
1229	36.3	+10 48	9.6	F8
1230	36.3	+10 8	9.6	Ao
..	36.3	+ 8 42	11.2	Fo
1452	36.3	+ 8 34	10.2	F8
..	36.3	+ 8 18	11.1	F2
1406	36.3	+ 7 10	10.9	Ko
..	36.3	+ 7 9	11.8	A
..	36.3	+ 6 11	9.9	A2
..	36.3	+ 5 31	10.6	B9
..	36.3	+ 5 22	10.9	A
..	36.3	+ 4 12	11.2	A
1394	36.3	+ 4 3	9.9	Ao
1356	36.3	+ 3 12	10.0	F5
1437	36.4	+34 9	9.5	F5
1388	36.4	+33 27	9.8	Ao
..	36.4	+33 8	11.3	A7
1380	36.4	+32 49	10.7	Ko
..	36.4	+30 0	11.6	Fo
..	36.4	+29 31	10.5	Go
1321	36.4	+29 5	10.4	Ao
..	36.4	+28 29	11.2	Fo
..	36.4	+28 7	11.8	Go
..	36.4	+27 20	10.4	A2
..	36.4	+25 34	11.7	K
..	36.4	+24 2	10.6	A7

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
1465	36.4	+23 14	11.6	Ko
..	36.4	+23 3	10.7	A7
1444	36.4	+22 39	10.2	Ao
1443	36.4	+22 30	10.9	Ao
..	36.4	+19 8	11.4	A7
..	36.4	+17 54	11.4	Fo
..	36.4	+15 58	10.6	A3
1376	36.4	+13 10	9.7	F5
..	36.4	+ 9 22	11.2	F
1357	36.4	+ 9 18	9.7	Go
..	36.4	+ 8 54	11.2	A3
1350	36.4	+ 6 55	11.0	Fo
1349	36.4	+ 6 52	10.9	Go
..	36.5	+33 50	12.0	G
..	36.5	+33 18	12.1	Fo
1381	36.5	+32 13	11.0	A5
..	36.5	+31 35	11.6	G5
1305	36.5	+30 29	9.4	Ko
..	36.5	+29 27	11.6	K5
..	36.5	+28 55	11.0	Ao
1200	36.5	+27 41	10.4	F5
..	36.5	+25 36	10.9	A
..	36.5	+24 48	11.1	K7
1366	36.5	+24 13	10.6	Ko
1344	36.5	+21 38	9.8	Go
..	36.5	+20 30	11.2	B8
1314	36.5	+18 30	10.2	A5
..	36.5	+18 3	11.4	A7
1396	36.5	+14 57	9.9	Go
1378	36.5	+13 26	10.3	B9
1277	36.5	+11 36	10.1	Ko
1454	36.5	+ 7 59	9.0	Fo
..	36.5	+ 6 36	10.6	F5
..	36.5	+ 6 9	10.8	Ko
..	36.5	+ 6 5	10.9	G
..	36.5	+ 5 24	11.4	F2
..	36.5	+ 4 18	11.3	Ao
1358	36.5	+ 3 13	10.8	A3
1357	36.5	+ 3 0	9.8	B9
..	36.6	+34 24	11.8	G5
..	36.6	+33 48	11.3	A2
1306	36.6	+30 5	9.7	Ko
1322	36.6	+29 45	10.2	A2
..	36.6	+29 32	11.5	Ao
1201	36.6	+27 37	10.8	G5
1331	36.6	+26 33	10.1	A7
1367	36.6	+24 48	10.1	A5
..	36.6	+23 42	10.3	A3
1466	36.6	+23 1	11.1	K7
..	36.6	+22 10	11.4	K

B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
	m	° ′		
1447	36.6	+22 0	11.6	K7
1345	36.6	+21 6	11.9	M
1537	36.6	+20 17	9.5	F5
..	36.6	+18 47	11.6	A5
..	36.6	+17 16	10.1	Ao
1250	36.6	+16 47	10.7	Ko
1249	36.6	+16 12	10.2	A5
1286	36.6	+15 55	10.1	Ko
..	36.6	+15 19	10.8	A2
1231	36.6	+10 28	9.6	A7
..	36.6	+10 12	11.2	F
..	36.6	+10 2	11.3	F5
1453	36.6	+ 8 37	10.8	Go
..	36.6	+ 8 10	11.1	Fo
..	36.6	+ 6 31	11.2	A
..	36.6	+ 6 22	11.0	A
..	36.6	+ 6 11	11.0	F
..	36.6	+ 6 2	11.0	Fo
1367	36.6	+ 5 5	10.0	Go
..	36.6	+ 4 5	11.7	K7
1382	36.7	+32 57	11.2	F8
1307	36.7	+30 28	10.3	K5
1203	36.7	+27 5	10.8	F5
1333	36.7	+26 32	9.8	F5
1334	36.7	+26 10	9.7	Ao
1395	36.7	+25 33	10.6	Go
	36.7	+25 33	10.7	Fo
..	36.7	+23 4	11.5	Ko
1346	36.7	+21 11	10.0	A2
1539	36.7	+20 24	9.8	F2
1538	36.7	+20 17	11.2	Ko
..	36.7	+20 16	11.0	K8
..	36.7	+20 6	11.4	F5
1444	36.7	+19 48	10.4	K2
1316	36.7	+18 56	10.6	Ko
1315	36.7	+18 43	9.1	Ao
..	36.7	+14 37	10.5	A3
1397	36.7	+14 2	11.2	K7
1232	36.7	+10 51	11.0	Ko
..	36.7	+ 8 7	11.4	K7
..	36.7	+ 6 42	10.9	Go
..	36.7	+ 5 56	11.0	A
1368	36.7	+ 5 20	10.4	F2
..	36.7	+ 4 57	11.2	Go
..	36.7	+ 4 30	11.6	K5
..	36.7	+ 3 14	11.0	Ao
..	36.8	+33 22	11.6	Fo
1383	36.8	+32 42	11.2	Go
..	36.8	+31 20	11.3	F8
1308	36.8	+30 26	10.5	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	36.8	+30 2	10.8	Go	..	36.9	+ 5 17	11.2	G5	1380	37.1	+13 23	9.2	A7	..	37.2	+ 5 7	11.0	F5
2	1368	36.8	+24 56	11.3	K5	1403	36.9	+ 4 34	10.4	A5	1235	37.1	+10 12	9.4	Ko	..	37.2	+ 4 41	11.0	A
3	..	36.8	+22 37	10.8	Ao	1402	36.9	+ 4 15	9.8	A5	..	37.1	+ 9 55	10.7	Fo	1364	37.2	+ 3 51	10.7	B9
4	..	36.8	+22 14	11.4	Ko	1384	37.0	+32 29	11.2	F5	1361	37.1	+ 9 52	11.0	K5	..	37.3	+34 15	11.4	F2
5	..	36.8	+22 4	12.0	Ao	1215	37.0	+28 22	10.6	Ko	1360	37.1	+ 9 19	10.3	F5	..	37.3	+33 38	11.4	A3
6	..	36.8	+21 47	11.4	A5	..	37.0	+27 51	10.9	Fo	1362	37.1	+ 9 5	10.2	F8	1391	37.3	+33 11	10.3	F8
7	..	36.8	+21 37	10.4	Ao	..	37.0	+27 37	11.8	F8	1352	37.1	+ 6 51	11.2	F5	1385	37.3	+32 35	10.5	G5
8	..	36.8	+20 44	10.6	A7	1396	37.0	+25 36	10.8	K7	1354	37.1	+ 6 45	9.3	A2	1394	37.3	+31 25	11.1	Go
9	1445	36.8	+19 43	8.8	A	..	37.0	+25 31	10.4	Fo	..	37.1	+ 6 16	11.1	Ao	1310	37.3	+30 45	10.9	K2
10	1317	36.8	+18 28	10.8	K2	..	37.0	+23 18	11.4	F5	..	37.1	+ 6 4	11.4	A	..	37.3	+28 46	11.2	Ao
11	..	36.8	+18 18	11.1	Ao	..	37.0	+20 28	11.2	Ao	1372	37.1	+ 5 0	10.1	A3	..	37.3	+27 56	11.3	Ko
12	1399	36.8	+14 39	10.0	G5	..	37.0	+20 12	10.9	Go	..	37.1	+ 4 55	11.7	A5	1398	37.3	+25 30	10.2	Ao
13	1398	36.8	+14 18	10.6	A5	..	37.0	+20 9	10.9	Go	..	37.1	+ 4 53	11.0	A2	..	37.3	+25 2	10.6	K5
14	..	36.8	+13 36	11.4	Ao	..	37.0	+19 58	11.8	A	..	37.1	+ 4 43	10.6	Ao	..	37.3	+24 37	11.2	G
15	1249	36.8	+12 58	10.0	A5	..	37.0	+19 53	10.2	Ao	1405	37.1	+ 4 24	10.8	B5	..	37.3	+22 53	11.4	Ao
16	1250	36.8	+12 4	10.0	F8	..	37.0	+19 28	10.6	F2	1361	37.1	+ 3 54	10.6	A5	1448	37.3	+22 36	10.0	Ko
17	..	36.8	+10 55	11.2	G	..	37.0	+16 56	10.8	A5	1360	37.1	+ 3 30	9.9	Fo	..	37.3	+21 28	11.6	A
18	1233	36.8	+10 15	11.2	Ko	1288	37.0	+15 9	10.8	G5	1390	37.2	+33 9	10.8	F2	1350	37.3	+21 3	10.6	K7
19		36.8	+10 15	10.8	Ko	1234	37.0	+10 57	9.8	Ko	1393	37.2	+31 33	9.2	Ko	..	37.3	+20 59	11.4	A2
20	1358	36.8	+ 9 39	10.6	K5	..	37.0	+ 9 59	11.4	A	1309	37.2	+30 4	10.6	A3	1320	37.3	+18 53	11.4	Mo
21	1455	36.8	+ 8 51	10.6	Fo	1359	37.0	+ 9 33	9.5	A2	1323	37.2	+29 4	11.4	G5	1257	37.3	+16 8	10.4	K2
22	..	36.8	+ 7 50	11.2	F8	..	37.0	+ 9 0	11.2	F5	..	37.2	+28 34	11.4	G5	*1256*	37.3	+15 58	9.7	Ao
23	1370	36.8	+ 5 9	9.8	K2	..	37.0	+ 8 21	11.0	Go	..	37.2	+28 1	10.6	F8	..	37.3	+10 32	11.2	Go
24	1369	36.8	+ 5 4	9.8	A2	1457	37.0	+ 8 6	10.6	A2	1208	37.2	+27 26	11.1	G5	..	37.3	+10 6	9.9	F5
25	..	36.8	+ 4 52	11.6	A	1456	37.0	+ 8 2	9.6	A2	1207	37.2	+27 10	10.2	Fo	..	37.3	+ 6 42	11.2	F
26	1401	36.8	+ 4 27	10.5	B3	1411	37.0	+ 7 8	12.0	K7	..	37.2	+26 42	11.4	F5	..	37.3	+ 5 7	10.7	Go
27	1389	36.9	+33 25	9.6	Fo	..	37.0	+ 5 50	11.3	Fo	1397	37.2	+25 52	9.9	K7	..	37.3	+ 4 40	10.0	A7
28	..	36.9	+32 17	12.2	G5	1371	37.0	+ 5 26	10.8	K8	..	37.2	+24 15	10.6	A	..	37.4	+30 43	11.6	F8
29	..	36.9	+30 43	12.0	A5	..	37.0	+ 5 17	10.6	A3	..	37.2	+24 8	11.1	K	..	37.4	+30 2	11.0	F8
30	1214	36.9	+28 49	10.6	F5	1404	37.0	+ 4 45	10.4	Go	..	37.2	+22 57	11.4	G	1324	37.4	+29 50	11.3	K7
31	..	36.9	+27 43	11.8	Go	..	37.0	+ 4 43	11.5	A	..	37.2	+22 45	10.6	Fo	..	37.4	+28 22	11.6	Go
32	*1335*	36.9	+25 59	10.8	K2	..	37.0	+ 3 47	11.8	A2	..	37.2	+22 18	11.4	Ao	..	37.4	+28 9	11.7	G
33	..	36.9	+25 16	11.3	A	..	37.0	+ 3 36	11.6	A	1349	37.2	+21 3	var.	Go	1337	37.4	+26 39	11.3	G5
34	..	36.9	+22 30	11.2	A5	..	37.0	+ 3 23	10.5	Ao	..	37.2	+20 33	11.4	A	..	37.4	+25 39	10.0	Go
35	1347	36.9	+21 10	10.3	A3	..	37.1	+30 43	11.2	F8	1450	37.2	+19 27	10.1	B9	1400	37.4	+25 10	10.3	F5
36	1540	36.9	+20 36	9.5	F8	..	37.1	+30 29	11.6	A3	1319	37.2	+18 55	10.4	A3	1399	37.4	+25 0	10.6	Go
37	1446	36.9	+19 42	9.0	Ko	*1216*	37.1	+27 59	10.4	Mo	..	37.2	+17 12	11.3	Ko	1371	37.4	+24 11	10.6	G5
38	..	36.9	+18 46	10.3	Fo	..	37.1	+27 23	11.8	B9	..	37.2	+15 17	10.5	F2	1372	37.4	+24 4	9.8	F5
39	..	36.9	+18 36	10.6	Go	1206	37.1	+27 20	11.4	F8	..	37.2	+15 6	11.1	F5	..	37.4	+22 44	10.6	Ko
40	1318	36.9	+18 18	10.8	Ao	..	37.1	+25 36	10.6	Ao	..	37.2	+12 36	12.1	F5	..	37.4	+19 35	11.4	A
41	1358	36.9	+17 5	10.1	Ao	1468	37.1	+23 43	10.0	A3	..	37.2	+10 40	10.6	A2	..	37.4	+19 29	11.5	K5
42	..	36.9	+15 23	11.3	G5	..	37.1	+22 55	11.2	K2	1237	37.2	+10 37	9.5	F2	1451	37.4	+19 18	11.1	Ko
43	1400	36.9	+14 28	9.8	Ko	..	37.1	+22 30	10.8	F5	..	37.2	+10 20	11.4	A	1323	37.4	+18 44	9.4	A2
44	1251	36.9	+12 44	10.5	A2	1448	37.1	+19 36	11.2	K8	..	37.2	+ 9 7	11.9	G	..	37.4	+17 39	10.6	Go
45	..	36.9	+10 35	10.7	Go	1449	37.1	+19 2	11.0	K7	1458	37.2	+ 8 30	10.2	B8	1361	37.4	+17 2	10.0	A
46	..	36.9	+ 9 37	11.4	G	..	37.1	+17 37	11.0	F	..	37.2	+ 7 50	11.3	Go	1384	37.4	+13 7	9.1	Ko
47	1410	36.9	+ 7 5	11.5	Ko	1255	37.1	+16 15	9.6	Mo	..	37.2	+ 7 21	11.4	F8	1252	37.4	+12 16	10.8	F8
48	..	36.9	+ 6 28	11.2	Go	1254	37.1	+16 2	10.8	F8	1412	37.2	+ 7 8	11.2	K2	..	37.4	+11 30	12.0	A5
49	..	36.9	+ 5 33	12.2	A	1289	37.1	+15 47	10.2	Go	..	37.2	+ 6 28	11.3	F5	..	37.4	+11 8	11.4	G5
50	..	36.9	+ 5 26	10.9	Go	1290	37.1	+15 17	11.0	F8	1374	37.2	+ 5 57	10.4	Go	1238	37.4	+10 26	9.3	Fo

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1413	37.4	+ 7 33	11.0	G5	1211	37.6	+27 5	10.2	K0	..	37.7	+ 4 20	11.2	A7	1255	37.9	+12 24	9.8	A7
2	..	37.4	+ 7 20	10.9	G0	..	37.6	+26 47	11.6	G0	..	37.7	+ 4 6	11.4	G0	1461	37.9	+ 8 51	9.8	F2
3	..	37.4	+ 5 44	11.4	G	1402	37.6	+25 39	10.3	G5	..	37.7	+ 3 35	11.6	A	..	37.9	+ 7 14	11.7	F5
4	1375	37.4	+ 5 32	10.6	G5	1401	37.6	+25 30	9.7	A0	1368	37.7	+ 3 29	9.8	B9	..	37.9	+ 7 5	10.9	A2
5	..	37.4	+ 5 26	11.0	G0	..	37.6	+23 55	10.9	A	..	37.8	+34 24	11.2	A3	1359	37.9	+ 6 50	10.8	M0
6	1406	37.4	+ 4 50	10.3	B3	1470	37.6	+23 2	11.0	M4	1386	37.8	+32 58	11.2	A3	1358	37.9	+ 6 22	9.6	A0
7	1441	37.5	+34 11	10.2	K5	1449	37.6	+22 20	10.3	K2	..	37.8	+30 52	11.2	G5	..	37.9	+ 5 2	11.3	A2
8	..	37.5	+33 33	11.2	K2	1353	37.6	+21 58	11.0	M0	..	37.8	+28 43	11.6	F0	..	37.9	+ 4 15	11.2	F8
9	..	37.5	+33 16	11.0	G5	1354	37.6	+21 38	9.6	A5	..	37.8	+28 9	11.8	K5	1410	37.9	+ 4 9	11.5	K7
10	1395	37.5	+31 8	10.2	A7	1543	37.6	+20 30	10.0	G5	..	37.8	+28 1	11.8	F8		37.9	+ 4 9	10.8	B
11	..	37.5	+29 57	11.3	F5	1325	37.6	+18 13	11.0	K0	..	37.8	+27 40	10.8	F5	1370	37.9	+ 3 46	10.8	K0
12	..	37.5	+29 16	11.4	K0	..	37.6	+17 14	10.8	G0	..	37.8	+24 3	10.4	A0	1397	38.0	+31 35	10.9	K5
13	..	37.5	+28 53	11.7	G5	..	37.6	+15 1	11.3	A	..	37.8	+23 43	11.2	A0	..	38.0	+30 25	10.9	F5
14	1209	37.5	+27 14	10.4	K0	..	37.6	+12 16	12.0	G	1475	37.8	+23 25	9.6	G0	1218	38.0	+28 34	11.4	G5
15	..	37.5	+27 9	11.1	G5	1282	37.6	+11 10	10.1	F8	1474	37.8	+23 12	9.4	F2	1219	38.0	+28 28	9.5	G0
16	..	37.5	+26 47	11.3	F8	1239	37.6	+10 22	9.6	F0	1451	37.8	+22 50	10.0	K8	1213	38.0	+27 26	10.0	A0
17	1338	37.5	+26 20	10.2	K2	..	37.6	+ 9 46	11.0	A0	1453	37.8	+19 50	9.2	A0	..	38.0	+25 36	10.8	K7
18	..	37.5	+25 25	10.4	G0	1417	37.6	+ 7 52	9.8	B8	..	37.8	+18 43	11.2	K0	1407	38.0	+25 14	10.4	K2
19	..	37.5	+23 50	11.2	A	..	37.6	+ 7 43	11.7	G5	1365	37.8	+17 56	10.2	A3	1357	38.0	+21 54	10.6	F0
20	1469	37.5	+23 32	10.8	G5	1416	37.6	+ 7 15	11.2	K2	1366	37.8	+17 53	10.8	K2	..	38.0	+20 59	11.0	A0
21	..	37.5	+22 18	10.0	A0	1356	37.6	+ 6 28	10.0	F2	..	37.8	+17 33	10.4	F8	1545	38.0	+20 8	9.8	A5
22	..	37.5	+21 28	11.4	A	..	37.6	+ 6 13	11.0	A2	1258	37.8	+16 54	9.6	B9	1454	38.0	+19 29	11.6	K2
23	..	37.5	+21 22	11.2	A7	..	37.6	+ 6 7	11.8	A	1259	37.8	+16 32	9.4	A5	1368	38.0	+17 58	10.2	G0
24	1542	37.5	+20 36	11.0	F8	..	37.6	+ 5 32	10.8	B9	1403	37.8	+14 26	10.8	F8	1262	38.0	+16 37	10.3	K2
25	..	37.5	+20 17	11.1	A0	..	37.6	+ 5 14	10.3	A2	1283	37.8	+11 16	10.2	A0	..	38.0	+14 57	10.9	A3
26	1452	37.5	+19 57	10.0	G0	1376	37.6	+ 5 6	10.4	F0	1364	37.8	+ 9 49	10.0	F0	1256	38.0	+12 41	11.0	K0
27	..	37.5	+19 17	11.2	F2	1409	37.6	+ 4 41	10.6	K2	1363	37.8	+ 9 28	10.7	G5	1284	38.0	+11 16	9.0	B5
28	..	37.5	+18 26	9.8	F2	..	37.6	+ 4 32	11.4	F0	1419	37.8	+ 7 54	9.8	M0	1242	38.0	+10 38	9.6	F5
29	..	37.5	+18 7	11.0	G5	1367	37.6	+ 3 50	11.0	K0	1418	37.8	+ 7 37	10.8	K0	..	38.0	+ 7 40	10.8	A7
30	1364	37.5	+17 11	10.2	K0	..	37.7	+34 31	11.5	G	1357	37.8	+ 6 29	10.4	A3	1421	38.0	+ 7 32	10.6	K7
31	1363	37.5	+17 4	11.6	K2	..	37.7	+32 52	11.0	F8	1369	37.8	+ 3 57	10.6	F0	1422	38.0	+ 7 29	10.0	F8
32	1401	37.5	+14 6	10.1	F0	..	37.7	+31 34	11.6	K0	..	37.9	+33 23	10.6	F8	..	38.0	+ 6 46	11.2	A
33	1402	37.5	+14 2	10.1	A5	1405	37.7	+25 31	9.1	A3	..	37.9	+33 1	11.2	F2	1361	38.0	+ 6 35	10.4	A0
34	1383	37.5	+13 45	10.4	A5	1403	37.7	+25 21	10.2	F5	1387	37.9	+32 57	10.5	K0	..	38.0	+ 6 24	10.6	A0
35	..	37.5	+ 8 34	11.2	G0	1373	37.7	+24 52	9.8	A5	..	37.9	+32 43	12.0	G5	..	38.0	+ 4 53	11.0	A3
36	1415	37.5	+ 7 46	10.8	F5	1472	37.7	+23 33	11.4	K0	1388	37.9	+32 2	11.4	K7	..	38.0	+ 4 23	11.2	K0
37	..	37.5	+ 5 44	11.6	G	1473	37.7	+23 19	10.6	K5	..	37.9	+29 52	11.5	G0	..	38.0	+ 3 52	10.8	A3
38	1408	37.5	+ 4 34	9.5	B3	1471	37.7	+23 4	10.2	A0	..	37.9	+28 16	11.8	G	..	38.0	+ 3 9	11.4	A
39	1407	37.5	+ 4 30	10.0	F8	1544	37.7	+20 10	10.8	K7	..	37.9	+27 40	11.7	G0	..	38.1	+34 11	12.2	K5
40	..	37.5	+ 3 23	11.2	A2	..	37.7	+18 42	11.2	F8	1340	37.9	+26 27	10.4	G5	..	38.1	+33 24	10.9	F5
41	..	37.6	+34 46	11.2	K0	..	37.7	+18 35	11.4	K5	1374	37.9	+24 25	10.3	F5	..	38.1	+32 51	11.7	G0
42	..	37.6	+34 26	11.2	A5	..	37.7	+17 39	11.2	G0	1476	37.9	+23 29	10.0	A7	1398	38.1	+31 27	9.9	A0
43	1393	37.6	+33 41	10.4	A5	..	37.7	+ 9 11	11.2	G	..	37.9	+22 50	11.3	A0	..	38.1	+30 28	11.4	F8
44	..	37.6	+30 26	11.8	K0	1460	37.7	+ 8 7	11.2	G5	1356	37.9	+21 11	9.4	B9	..	38.1	+27 9	11.6	G0
45	..	37.6	+29 53	11.7	G5	..	37.7	+ 7 42	11.2	A	1355	37.9	+21 4	9.5	F0	1376	38.1	+24 32	9.8	A3
46	..	37.6	+27 38	11.4	G0	..	37.7	+ 7 12	11.4	A2	1261	37.9	+16 15	10.6	A0	1377	38.1	+24 0	9.8	K2
47	..	37.6	+27 36	11.6	G0	..	37.7	+ 6 47	11.0	A7	1294	37.9	+15 42	10.2	A0	..	38.1	+22 46	11.0	G0
48	1210	37.6	+27 32	10.1	A2	..	37.7	+ 5 34	11.4	A	1386	37.9	+13 10	11.0	G5	..	38.1	+22 30	11.0	F0
49	..	37.6	+27 31	11.4	K0	..	37.7	+ 4 44	10.6	A0	1254	37.9	+12 33	10.6	G5	..	38.1	+22 18	11.2	F5
50	..	37.6	+27 28	10.6	G0	..	37.7	+ 4 36	11.1	K0	1253	37.9	+12 31	9.4	F5	1358	38.1	+21 2	9.6	K5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1455	38.1	+19 56	9.7	F5	1380	38.3	+24 54	11.3	Mo	..	38.4	+ 7 24	11.0	A3	1390	38.6	+32 53	10.3	Ko
2	..	38.1	+18 51	11.4	A	1379	38.3	+24 40	10.2	Ko	..	38.4	+ 7 9	11.4	Ao	*1391*	38.6	+31 58	10.9	Go
3	..	38.1	+17 45	11.4	F5	..	38.3	+23 57	10.9	A	1365	38.4	+ 6 56	11.4	Mo	..	38.6	+30 7	10.6	Go
4	1296	38.1	+15 35	11.0	K2	1479	38.3	+23 21	10.0	A2	..	38.4	+ 6 4	12.0	A	1216	38.6	+27 11	10.6	Fo
5	1295	38.1	+15 13	11.2	G5	1477	38.3	+23 6	10.2	Go	..	38.4	+ 4 47	11.3	G	..	38.6	+26 38	11.9	K2
6	1389	38.1	+13 11	9.4	A3	..	38.3	+21 47	11.2	B9	..	38.4	+ 4 27	11.2	A2	1481	38.6	+23 41	11.4	K
7	1387	38.1	+13 8	10.6	Go	..	38.3	+21 14	11.3	A5	..	38.4	+ 4 22	11.8	A	..	38.6	+21 47	11.4	G5
8	*1388*	38.1	+12 59	10.0	B8	1546	38.3	+20 0	10.4	F8	..	38.4	+ 3 48	10.8	Ao	..	38.6	+21 42	11.5	A
9	..	38.1	+12 34	10.7	A5	..	38.3	+19 11	11.2	A	1372	38.4	+ 3 47	11.0	G	..	38.6	+21 28	11.6	F2
10	1286	38.1	+11 56	10.9	F5	1456	38.3	+19 0	9.7	A3	..	38.4	+ 3 1	11.0	A7	1406	38.6	+14 0	10.4	A5
11	1285	38.1	+11 1	9.9	A3	..	38.3	+17 18	10.3	A2	..	38.5	+33 50	11.2	F8	..	38.6	+11 55	11.1	A2
12	..	38.1	+ 9 8	11.2	Ao	..	38.3	+15 8	11.2	Ao	1396	38.5	+33 31	10.0	Ao	..	38.6	+11 43	11.0	Fo
13	1462	38.1	+ 8 54	10.0	F5	1288	38.3	+11 25	9.8	A3	..	38.5	+33 21	11.4	G5	..	38.6	+11 33	11.6	F5
14	1463	38.1	+ 8 20	10.2	A3	..	38.3	+ 9 52	11.4	F8	..	38.5	+32 8	10.9	A2	..	38.6	+10 44	10.1	Ao
15	1362	38.1	+ 6 28	9.3	F2	..	38.3	+ 9 20	10.7	A5	1400	38.5	+31 33	10.7	A7	..	38.6	+10 36	10.3	A2
16	1379	38.1	+ 5 44	10.0	A7	..	38.3	+ 7 48	11.5	G	..	38.5	+28 36	11.1	G5	..	38.6	+10 0	11.6	A
17	..	38.1	+ 5 12	10.8	A5	..	38.3	+ 7 38	11.3	F8	1221	38.5	+28 6	10.2	A2	..	38.6	+ 8 3	11.1	A3
18	1378	38.1	+ 5 4	10.7	Fo	..	38.3	+ 7 18	11.0	A5	..	38.5	+27 34	11.6	G5	1427	38.6	+ 7 22	11.4	K7
19	1412	38.1	+ 4 55	10.7	Fo	1364	38.3	+ 6 8	10.6	Ao	1342	38.5	+26 15	9.9	Ko	..	38.6	+ 7 10	11.4	Ao
20	1411	38.1	+ 4 26	10.4	B5	1413	38.3	+ 4 56	11.4	Ko	1343	38.5	+26 6	10.6	Go	1367	38.6	+ 6 30	9.8	A7
21	..	38.2	+32 45	12.0	F5	..	38.3	+ 3 3	11.0	Ao	..	38.5	+25 50	11.0	A3	..	38.6	+ 6 27	11.0	Fo
22	..	38.2	+31 33	11.4	Go	..	38.4	+33 52	11.4	Go	..	38.5	+23 6	10.6	Ao	1385	38.6	+ 5 53	11.0	Go
23	1326	38.2	+29 15	10.2	F8	..	38.4	+32 25	11.2	Go	..	38.5	+23 1	11.3	A	1387	38.6	+ 5 43	10.8	B8
24	..	38.2	+27 53	11.6	Ko	..	38.4	+31 17	11.8	K5	..	38.5	+21 41	11.3	Ao	1386	38.6	+ 5 34	11.6	K7
25	..	38.2	+27 43	11.4	G5	1220	38.4	+28 39	10.2	A2	..	38.5	+20 55	11.1	F5	..	38.6	+ 5 16	11.2	Ko
26	1408	38.2	+25 39	10.5	K5	..	38.4	+28 11	10.7	Ao	..	38.5	+20 31	11.9	Mo	1373	38.6	+ 3 38	10.8	Go
27	1378	38.2	+24 27	10.4	K5	..	38.4	+27 6	11.8	F5	..	38.5	+20 19	11.0	Go	..	38.6	+ 3 19	10.7	A2
28	..	38.2	+24 21	10.6	A	1215	38.4	+27 0	10.8	Fo	..	38.5	+19 54	10.5	Go	..	38.7	+34 46	11.2	K2
29	1478	38.2	+23 23	10.0	Ao	*1214*	38.4	+26 59	11.0	F5	1458	38.5	+19 46	10.0	A3	..	38.7	+33 49	11.4	G5
30	1452	38.2	+22 47	10.0	Fo	..	38.4	+26 34	12.0	A	1327	38.5	+18 0	10.9	K5	1316	38.7	+30 12	9.9	F8
31	1359	38.2	+21 14	11.4	K5	..	38.4	+25 39	10.7	F2	1371	38.5	+17 43	11.2	Ao	*1317*	38.7	+29 58	11.2	Ko
32	..	38.2	+20 26	11.3	A	1381	38.4	+24 12	10.0	K7		38.5	+17 43	11.5	Ao	1328	38.7	+29 52	10.4	G5
33	..	38.2	+19 33	11.4	A2	1454	38.4	+22 56	10.8	K5	..	38.5	+16 58	10.8	A7	..	38.7	+26 40	11.6	Ko
34	..	38.2	+18 19	11.4	Go	1360	38.4	+21 56	8.8	Ao	1263	38.5	+16 30	10.6	F8	1410	38.7	+25 34	11.2	K5
35	1369	38.2	+17 19	11.4	F	..	38.4	+21 36	11.6	F5	..	38.5	+16 8	11.2	F8	1482	38.7	+23 24	9.6	Fo
36	1297	38.2	+15 40	10.9	G5	1361	38.4	+21 10	11.4	K7	..	38.5	+14 47	10.8	A5	..	38.7	+22 37	11.0	G
37	1258	38.2	+12 19	11.0	F	1548	38.4	+20 48	10.8	K2	24	38.5	+13 25	10.9	Ao	..	38.7	+21 30	11.7	A
38	..	38.2	+11 43	11.3	Go	..	38.4	+20 29	10.9	F2	1290	38.5	+11 21	9.8	Go	1362	38.7	+21 0	9.8	A5
39	1244	38.2	+10 20	9.5	Fo	1547	38.4	+20 2	11.1	Ao	1368	38.5	+ 9 17	9.6	G5	..	38.7	+20 47	10.0	Ao
40	*1365*	38.2	+ 8 58	10.6	K2	1457	38.4	+19 30	10.6	F5	1371	38.5	+ 9 16	9.8	A3	1328	38.7	+18 31	10.2	Ao
41	1424	38.2	+ 7 21	10.8	B	..	38.4	+18 53	10.8	Ao	1370	38.5	+ 9 6	9.2	Go	1372	38.7	+17 19	10.6	K5
42	..	38.2	+ 6 50	11.0	Ao	1370	38.4	+17 40	9.6	Ko	..	38.5	+ 8 39	11.4	A	1373	38.7	+17 18	10.6	K5
43	1363	38.2	+ 6 3	9.8	Go	..	38.4	+16 0	10.7	A3	1426	38.5	+ 7 57	9.7	Ao	1264	38.7	+16 26	10.6	Go
44	..	38.2	+ 6 1	11.0	K5	1299	38.4	+15 52	10.6	K2	..	38.5	+ 7 21	11.1	G	1407	38.7	+14 17	10.6	K2
45	..	38.2	+ 5 25	11.1	Go	1298	38.4	+15 20	10.9	Go	1366	38.5	+ 6 52	11.6	K2	25	38.7	+13 29	11.7	A
46	..	38.2	+ 5 17	11.6	A	1405	38.4	+14 55	11.2	Ao	1384	38.5	+ 5 31	9.9	Ao	1259	38.7	+12 56	10.4	F2
47	..	38.2	+ 4 30	11.3	F	1246	38.4	+10 22	11.0	K7	..	38.5	+ 5 16	10.8	G5	1260	38.7	+12 40	11.3	K7
48	1444	38.3	+34 13	9.4	A2	1367	38.4	+ 9 50	10.6	F8	1383	38.5	+ 5 2	11.0	Ko	..	38.7	+11 55	11.0	Ao
49	..	38.3	+27 34	11.4	A5	1366	38.4	+ 9 34	9.6	F2	..	38.5	+ 4 44	10.4	Ao	..	38.7	+11 4	10.8	G5
50	1341	38.3	+26 40	10.9	K2	1464	38.4	+ 8 34	10.6	Ko	..	38.5	+ 3 34	12.2	K7	1247	38.7	+10 12	9.6	A7

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	38.7	+10 6	10.2	Go	1330	38.9	+29 20	10.6	G5	..	39.0	+10 47	10.8	Ao	..	39.2	+28 31	11.6	K7
2	1372	38.7	+ 9 27	9.0	Ao	..	38.9	+28 57	11.0	B9	..	39.0	+10 18	11.2	F8	1224	39.2	+28 20	10.8	G5
3	..	38.7	+ 8 3	11.3	B8	..	38.9	+26 53	11.8	Go	1248	39.0	+10 12	9.8	F8	..	39.2	+27 14	10.6	Go
4	..	38.7	+ 7 13	11.5	K7	..	38.9	+26 40	11.4	F5	..	39.0	+ 9 27	11.4	K	..	39.2	+24 19	10.5	F8
5	1368	38.7	+ 6 21	9.2	A2	1411	38.9	+25 39	10.4	F8	1470	39.0	+ 8 8	10.9	A2	1484	39.2	+23 48	10.1	Ao
6	..	38.7	+ 5 15	10.6	A2	1384	38.9	+24 0	9.4	G5	1429	39.0	+ 7 46	11.5	K2	..	39.2	+20 40	11.1	Fo
7	..	38.7	+ 5 10	11.0	A3	1457	38.9	+22 48	10.5	Ko	1389	39.0	+ 5 43	9.8	B8	..	39.2	+19 36	10.6	F8
8	..	38.7	+ 5 4	11.0	Ao	1459	38.9	+22 17	9.8	F5	1390	39.0	+ 5 35	10.4	B9	1462	39.2	+19 10	10.4	Fo
9	..	38.7	+ 4 0	10.6	Ao	1551	38.9	+20 40	10.4	Ko	1419	39.0	+ 4 12	9.9	B9	..	39.2	+19 8	11.2	Ao
10	..	38.7	+ 3 35	10.9	A7	..	38.9	+19 50	11.2	F8	..	39.0	+ 3 46	11.4	Fo	1379	39.2	+17 2	9.2	B8
11	1375	38.7	+ 3 6	10.7	A3	1459	38.9	+19 14	11.6	G5	..	39.1	+34 46	10.5	Go	1307	39.2	+15 1	10.2	A3
12	1392	38.8	+32 56	10.2	A2	..	38.9	+18 47	11.1	Ao	*1447*	39.1	+33 59	11.1	Go	1263	39.2	+12 47	10.1	A2
13	1401	38.8	+31 18	11.6	K7	..	38.9	+17 48	10.4	Fo	..	39.1	+33 39	11.8	K5	..	39.2	+11 54	11.0	G5
14	1319	38.8	+30 44	10.4	Ko	1376	38.9	+17 15	10.2	Ao	..	39.1	+33 12	11.2	A5	1292	39.2	+11 42	10.2	Ao
15	1329	38.8	+29 21	11.4	G5	1377	38.9	+17 10	10.5	A7	..	39.1	+29 25	11.6	K2	..	39.2	+11 10	10.8	F5
16	..	38.8	+28 5	11.8	Ko	1266	38.9	+16 0	11.2	Go	1223	39.1	+28 5	11.4	Ko	1249	39.2	+10 49	9.6	G5
17	..	38.8	+25 17	11.0	A5	1303	38.9	+15 40	10.6	Ao	..	39.1	+27 52	10.9	A2	..	39.2	+10 40	11.2	Ko
18	1383	38.8	+24 9	10.8	F8	1304	38.9	+15 34	10.7	Ao	..	39.1	+27 18	11.9	Go	1373	39.2	+ 9 34	8.5	Ao
19	1483	38.8	+23 20	9.8	K2	..	38.9	+11 40	11.4	A	..	39.1	+25 45	10.9	Fo	1473	39.2	+ 8 15	9.7	B9
20	..	38.8	+22 30	11.3	G	..	38.9	+10 30	10.5	A2	1412	39.1	+25 25	10.4	Go	1372	39.2	+ 6 12	9.9	Go
21	..	38.8	+21 16	11.2	A3	1468	38.9	+ 8 55	9.9	F8	1413	39.1	+25 24	10.0	A2	..	39.2	+ 5 21	11.0	A2
22	..	38.8	+20 13	10.5	Ko	..	38.9	+ 7 51	11.2	F8	1462	39.1	+22 12	10.0	K7	..	39.2	+ 5 4	10.8	B3
23	..	38.8	+19 4	11.3	Fo	..	38.9	+ 7 44	11.0	A7	..	39.1	+21 42	11.3	Fo	..	39.2	+ 3 38	11.7	F5
24	1329	38.8	+18 54	9.2	Ao	..	38.9	+ 7 1	10.8	B9	1363	39.1	+21 27	10.0	F5	..	39.2	+ 3 33	11.0	Ao
25	1375	38.8	+17 4	10.8	F8	..	38.9	+ 6 38	11.4	A	..	39.1	+20 54	10.9	A5	1448	39.3	+34 44	10.7	F5
26	*1374*	38.8	+16 58	9.6	Ao	..	38.9	+ 4 47	11.1	G5	..	39.1	+20 34	11.3	G5	..	39.3	+34 20	11.0	A3
27	1302	38.8	+15 56	10.8	Go	1418	38.9	+ 4 41	10.6	G5	1553	39.1	+20 7	9.8	G5	1400	39.3	+33 42	10.2	A5
28	1409	38.8	+14 42	10.8	A7	..	38.9	+ 3 49	11.0	A3	1554	39.1	+20 0	10.5	Fo	1396	39.3	+32 13	10.2	F5
29	1408	38.8	+14 22	11.0	Ko	1397	39.0	+33 20	10.2	F8	1461	39.1	+19 17	10.2	A7	1335	39.3	+29 43	10.8	Ao
30	..	38.8	+13 37	10.8	Ao	1399	39.0	+33 8	11.0	Go	1331	39.1	+18 50	9.4	Ko	1334	39.3	+29 39	10.0	G5
31	..	38.8	+12 28	11.0	A5	1398	39.0	+33 4	9.8	Ko	..	39.1	+18 28	11.3	Ao	..	39.3	+27 5	10.6	A3
32	..	38.8	+11 45	12.1	K5	..	39.0	+32 40	10.9	A2	..	39.1	+17 18	11.1	F2	1415	39.3	+25 0	11.2	K5
33	..	38.8	+10 27	11.0	Fo	1403	39.0	+31 34	11.1	F8	1267	39.1	+16 49	9.5	Go	1387	39.3	+24 53	10.2	F8
34	..	38.8	+ 9 21	9.9	F5	..	39.0	+30 57	11.2	B8	..	39.1	+16 32	10.0	F8	..	39.3	+24 46	11.1	A
35	1465	38.8	+ 8 39	10.0	F5	1222	39.0	+28 14	10.0	Ko	..	39.1	+16 12	10.8	G5	1463	39.3	+22 47	10.7	G5
36	1466	38.8	+ 8 32	9.4	A2	1217	39.0	+27 40	10.6	F8	1306	39.1	+15 54	10.3	F8	1364	39.3	+21 51	11.2	Ko
37	1467	38.8	+ 8 11	9.8	A2	..	39.0	+26 51	11.4	Ao	..	39.1	+11 48	11.6	Ao	1365	39.3	+21 10	11.3	K7
38	1428	38.8	+ 7 32	9.0	B5	1344	39.0	+26 26	9.8	Go	1291	39.1	+11 35	11.5	K2	..	39.3	+20 49	10.5	F5
39	..	38.8	+ 6 30	11.2	A3	1385	39.0	+24 27	10.4	A5	..	39.1	+10 50	11.2	F5	..	39.3	+17 9	11.4	Go
40	..	38.8	+ 5 33	10.7	A5	1461	39.0	+22 54	8.7	Ko	..	39.1	+10 35	11.4	K	1308	39.3	+15 43	10.8	K7
41	1416	38.8	+ 4 19	10.8	Ao	1460	39.0	+22 47	10.6	F5	..	39.1	+ 9 47	11.2	A	1412	39.3	+14 58	10.4	K2
42		38.8	+ 4 19	10.8	Ao	..	39.0	+20 21	11.2	A	..	39.1	+ 9 42	11.3	F	..	39.3	+10 28	11.2	A2
43	..	38.8	+ 4 17	10.9	A	..	39.0	+19 19	10.9	Fo	1471	39.1	+ 8 34	10.6	K2	..	39.3	+ 9 26	11.1	F5
44	*1415*	38.8	+ 3 59	10.5	Ko	..	39.0	+18 25	11.0	A3	1371	39.1	+ 6 31	10.0	A2	..	39.3	+ 8 55	11.1	F8
45	1376	38.8	+ 3 51	10.2	K2	..	39.0	+18 5	11.6	K7	..	39.1	+ 5 15	11.0	A5	1430	39.3	+ 7 12	10.8	B9
46	..	38.9	+32 50	11.0	Go	..	39.0	+18 1	11.1	F5	..	39.1	+ 4 43	10.9	A7	1431	39.3	+ 7 1	10.6	B8
47	1393	38.9	+32 25	var.	F2	..	39.0	+17 37	10.2	Go	..	39.1	+ 3 45	11.0	Fo	..	39.3	+ 6 28	10.4	A3
48	1394	38.9	+32 6	10.4	K7	..	39.0	+12 26	11.2	K2	1378	39.1	+ 3 36	10.0	Go	..	39.3	+ 5 50	11.2	A2
49	1402	38.9	+31 21	10.3	K5	..	39.0	+11 59	10.9	Ao	..	39.2	+32 53	11.2	Ao	..	39.3	+ 5 46	11.0	G5
50	1331	38.9	+29 29	10.4	Ko	..	39.0	+11 7	11.0	Go	1333	39.2	+29 21	12.0	K5	..	39.3	+ 5 26	11.4	Go

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263100 — $6^h\ 39^m.3$ to $6^h\ 40^m.0$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	39.3	+ 5 23	10.8	A0	1367	39.5	+21 13	10.0	B9	1270	39.6	+12 15	10.6	K2	1383	39.8	+17 57	9.8	G5
2	..	39.3	+ 5 12	10.6	A0	..	39.5	+21 2	11.2	A2	1254	39.6	+10 8	11.6	K7	..	39.8	+17 46	11.4	K7
3	..	39.3	+ 4 14	11.6	G0	1555	39.5	+20 11	10.1	K0	1474	39.6	+ 8 4	9.9	A0	1418	39.8	+14 17	11.0	G
4	..	39.3	+ 3 45	11.0	B9	1332	39.5	+18 46	10.7	G0	..	39.6	+ 6 1	11.1	A3	1397	39.8	+13 27	10.4	G5
5	1449	39.4	+34 6	11.4	K0	..	39.5	+17 2	11.0	A3	..	39.6	+ 3 48	10.9	A0	..	39.8	+13 25	10.4	A2
6	1397	39.4	+32 52	10.2	A2	..	39.5	+16 27	11.1	F8	..	39.6	+ 3 35	12.0	A	1273	39.8	+12 24	10.6	A0
7	..	39.4	+32 48	10.6	A0	1269	39.5	+12 56	9.8	A3	..	39.7	+34 34	11.4	G5	1293	39.8	+11 31	10.2	A5
8	..	39.4	+31 52	11.4	F8	..	39.5	+11 16	11.0	A2	..	39.7	+34 15	10.6	G0	1475	39.8	+ 8 8	11.1	G0
9	1322	39.4	+30 33	10.4	K5	..	39.5	+10 5	11.4	G	1404	39.7	+33 44	11.0	K7	..	39.8	+ 7 54	11.2	F8
10	1321	39.4	+30 0	10.8	K0	..	39.5	+ 9 47	10.4	F0	1403	39.7	+33 18	11.2	K7	1434	39.8	+ 7 28	9.3	K0
11	..	39.4	+27 17	11.1	F8	..	39.5	+ 9 39	11.2	F8	1399	39.7	+32 26	10.7	K2	1435	39.8	+ 7 17	9.4	A3
12	1388	39.4	+24 40	10.0	K0	..	39.5	+ 7 52	11.6	A	1405	39.7	+31 29	9.8	A0	..	39.8	+ 5 15	10.6	A2
13	1389	39.4	+24 0	10.2	F2	..	39.5	+ 7 47	11.2	K	..	39.7	+28 15	11.8	G0	..	39.8	+ 4 31	11.3	A0
14	1488	39.4	+23 51	9.9	F2	..	39.5	+ 6 7	11.4	A2	1227	39.7	+28 14	12.0	K5	1383	39.8	+ 3 40	9.8	A2
15	..	39.4	+23 15	10.8	F5	..	39.5	+ 5 58	10.8	B9	1347	39.7	+26 11	10.6	G5	1405	39.9	+33 53	10.8	F5
16	1464	39.4	+22 35	9.4	A0	1393	39.5	+ 5 47	10.2	B9	..	39.7	+25 30	10.8	F5	..	39.9	+32 0	11.8	A7
17	..	39.4	+22 34	10.1	A5	..	39.5	+ 5 32	10.8	G0	..	39.7	+24 48	11.1	K	..	39.9	+31 54	11.0	A2
18	..	39.4	+22 30	10.6	A	1392	39.5	+ 5 26	11.0	F0	..	39.7	+23 25	10.4	A0	1407	39.9	+31 31	10.5	G5
19	1366	39.4	+21 56	10.4	K2	..	39.5	+ 5 12	11.0	K0	..	39.7	+22 55	10.6	A7	1406	39.9	+31 22	11.0	K7
20	..	39.4	+21 8	11.5	K5	..	39.5	+ 4 16	11.0	A0	1467	39.7	+22 30	10.7	G0	..	39.9	+26 33	11.6	K2
21	..	39.4	+20 43	10.4	A7	*1420*	39.5	+ 3 58	10.8	K0	1369	39.7	+21 32	11.6	K5	..	39.9	+26 19	11.8	A
22	..	39.4	+20 37	11.2	F0	..	39.5	+ 3 47	10.6	A2	1559	39.7	+20 55	10.4	A0	1465	39.9	+19 54	10.4	K0
23	1414	39.4	+14 20	10.6	A5	1450	39.6	+34 34	11.2	K0	1558	39.7	+20 53	10.6	A0	1334	39.9	+18 50	10.3	K0
24	1415	39.4	+14 16	10.6	A	1402	39.6	+33 30	9.8	F8	..	39.7	+20 12	11.2	A	1384	39.9	+17 48	10.0	B9
25	..	39.4	+13 41	10.8	A2	1398	39.6	+32 40	9.6	K2	1333	39.7	+18 52	11.3	G0	..	39.9	+17 16	11.4	F8
26	..	39.4	+13 2	10.2	A7	..	39.6	+32 28	11.0	K0	..	39.7	+18 52	11.0	F5	..	39.9	+15 22	11.2	G5
27	1266	39.4	+12 33	10.9	M0	..	39.6	+31 46	11.2	G0	..	39.7	+18 25	10.5	A0	1419	39.9	+14 51	10.3	F5
28	1251	39.4	+10 56	9.8	A7	..	39.6	+31 6	11.6	G	1382	39.7	+17 57	10.0	F8	..	39.9	+12 44	10.2	A2
29	..	39.4	+10 5	11.2	F8	..	39.6	+30 42	11.2	A2	..	39.7	+17 40	11.6	K0	1256	39.9	+10 57	9.7	M0
30	1252	39.4	+10 2	11.0	A3	..	39.6	+28 41	11.1	G5	..	39.7	+17 25	11.0	F2	..	39.9	+10 40	11.6	A
31		39.4	+10 2	11.0	A2	..	39.6	+28 31	11.7	F8	1416	39.7	+14 16	11.0	F5	1375	39.9	+ 9 20	9.5	B9
32	..	39.4	+ 8 49	11.8	A	1221	39.6	+27 46	9.9	F5	..	39.7	+12 50	11.4	G	1476	39.9	+ 8 39	9.7	A0
33	1432	39.4	+ 7 49	10.9	F5	1220	39.6	+27 33	11.0	G5	1271	39.7	+12 19	10.6	K5	..	39.9	+ 8 9	10.1	B8
34	..	39.4	+ 6 45	11.4	F5	..	39.6	+26 49	11.5	A0	..	39.7	+12 9	11.0	A0	1436	39.9	+ 7 49	10.7	F8
35	1374	39.4	+ 6 28	9.4	G0	1417	39.6	+25 50	10.6	K8	..	39.7	+11 13	11.4	F8	..	39.9	+ 5 58	10.3	B9
36	..	39.4	+ 6 5	11.3	G0	1490	39.6	+23 49	9.9	K0	1255	39.7	+10 14	9.2	K0	..	39.9	+ 5 47	11.7	F
37	..	39.4	+ 5 15	11.6	A	..	39.6	+23 35	11.3	F2	..	39.7	+ 9 3	10.6	G5	..	39.9	+ 4 50	10.6	A2
38	1380	39.4	+ 3 18	10.4	A5	..	39.6	+23 30	11.2	F	1375	39.7	+ 6 10	10.4	G0	..	39.9	+ 3 37	12.2	K5
39	..	39.5	+34 31	11.3	G5	1466	39.6	+22 50	9.6	A2	..	39.7	+ 5 48	10.7	A7	1384	39.9	+ 3 16	10.2	G5
40	1404	39.5	+31 57	10.0	K2	1465	39.6	+22 42	9.6	A3	..	39.7	+ 4 36	10.9	A2	..	40.0	+33 23	11.8	A
41	..	39.5	+31 27	11.8	G5	1368	39.6	+21 38	9.6	A5	1422	39.7	+ 4 13	9.2	A2	..	40.0	+32 37	11.3	A7
42	1323	39.5	+30 37	10.2	F8	1556	39.6	+20 54	10.5	G0	..	39.7	+ 3 29	11.4	A0	..	40.0	+32 15	10.6	A7
43	..	39.5	+30 15	10.8	A0	1557	39.6	+20 50	11.3	M0	..	39.8	+32 11	11.4	G5	..	40.0	+32 6	11.8	M0
44	..	39.5	+30 0	11.3	F5	..	39.6	+19 57	10.9	A0	1339	39.8	+29 6	10.0	F5	1228	40.0	+28 40	10.6	K2
45	1337	39.5	+29 23	11.2	K0	1463	39.6	+19 14	9.9	K2	..	39.8	+25 47	11.4	A2	..	40.0	+28 2	11.6	G0
46	1226	39.5	+28 56	10.4	F0	1381	39.6	+17 56	10.2	F0	1391	39.8	+24 12	10.4	G0	1418	40.0	+25 22	10.6	G0
47	..	39.5	+26 6	11.0	G0	1268	39.6	+16 57	10.8	A2	..	39.8	+23 53	10.7	G0	..	40.0	+23 59	10.6	G5
48	1416	39.5	+25 53	9.6	A2	..	39.6	+15 45	11.1	A2	..	39.8	+22 53	10.6	F0	..	40.0	+23 17	11.2	G
49	..	39.5	+23 52	10.7	A0	29	39.6	+13 36	11.1	A3	..	39.8	+20 59	10.8	F2	..	40.0	+23 14	11.3	A
50	..	39.5	+21 22	10.6	A2	..	39.6	+12 39	11.0	G	1464	39.8	+19 23	11.0	G0	..	40.0	+22 40	10.9	G5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1370	40.0	+21 40	9.8	B9	1344	40.2	+29 10	10.0	Go	..	40.3	+ 4 36	10.9	A	..	40.5	+17 30	10.3	G5
2	..	40.0	+20 56	11.4	G	..	40.2	+28 58	11.0	A3	1428	40.3	+ 4 30	9.0	Ao	1312	40.5	+15 35	10.6	A5
3	..	40.0	+20 24	10.7	Ao	1229	40.2	+28 36	10.8	G5	1387	40.3	+ 3 54	10.7	Ao	1311	40.5	+15 18	9.8	K2
4	*1560*	40.0	+19 59	10.2	Ao	..	40.2	+28 17	11.6	G5	..	40.3	+ 3 37	12.0	A	1425	40.5	+14 42	10.2	Ko
5	1466	40.0	+19 3	9.6	A2	..	40.2	+27 8	10.8	Ko	..	40.4	+32 28	11.2	Fo	1426	40.5	+14 26	10.3	F8
6	1336	40.0	+18 33	10.9	K8	..	40.2	+24 35	10.4	F2	..	40.4	+28 35	11.5	Go	37	40.5	+13 41	11.2	G5
7	*1335*	40.0	+17 59	9.8	Ao	..	40.2	+24 5	10.8	A7	1231	40.4	+28 16	10.6	F2	..	40.5	+12 23	11.2	A
8	1385	40.0	+17 38	9.5	Go	1492	40.2	+23 53	9.6	G5	..	40.4	+27 43	11.8	G	..	40.5	+11 30	11.1	Ao
9	..	40.0	+17 19	11.6	A5	..	40.2	+23 21	11.6	G	1422	40.4	+25 48	10.8	K8	..	40.5	+10 22	11.2	Go
10	1270	40.0	+16 7	11.2	F8	..	40.2	+20 19	10.6	Ao	..	40.4	+23 17	11.0	Ko	..	40.5	+10 8	11.0	A3
11	..	40.0	+15 55	10.8	A5	1468	40.2	+19 16	8.8	B9	1374	40.4	+21 37	11.0	Ko	..	40.5	+ 9 38	10.6	Ao
12	1399	40.0	+13 54	9.8	A2	1469	40.2	+19 6	11.0	K2	1373	40.4	+21 17	9.6	A2	1483	40.5	+ 8 56	9.6	A2
13	..	40.0	+12 59	10.9	Ao	..	40.2	+18 47	11.2	A	1561	40.4	+20 33	10.1	Ao	..	40.5	+ 8 28	12.0	G
14	1377	40.0	+ 9 10	10.0	Ko	..	40.2	+18 27	11.7	K7	1471	40.4	+19 42	11.2	K2	..	40.5	+ 8 2	12.2	A
15	1478	40.0	+ 8 27	10.9	Fo	..	40.2	+14 26	10.9	F5	..	40.4	+18 44	11.1	Ko	1439	40.5	+ 7 9	11.2	K2
16	..	40.0	+ 8 8	11.3	Go	..	40.2	+12 52	10.7	G	..	40.4	+17 42	11.1	F2	..	40.5	+ 6 58	11.0	Ao
17	..	40.0	+ 7 26	11.6	A	1296	40.2	+11 51	9.9	A5	..	40.4	+16 43	10.4	F2	1377	40.5	+ 6 32	10.5	M2
18	..	40.0	+ 6 39	11.4	Go	..	40.2	+11 16	11.3	F8	1423	40.4	+14 28	9.9	Ao	..	40.5	+ 5 46	10.4	A2
19	1426	40.0	+ 4 11	9.9	Ko	*1259*	40.2	+10 58	10.1	F8	1403	40.4	+13 14	11.4	K5	..	40.5	+ 5 41	10.6	Go
20	*1425*	40.0	+ 3 58	10.8	A3	..	40.2	+ 9 36	11.7	K7	..	40.4	+12 50	10.4	Ao	1398	40.5	+ 5 32	11.1	Mo
21	1408	40.1	+31 52	11.8	K5	..	40.2	+ 9 6	11.9	Fo	..	40.4	+10 43	11.4	A2	..	40.5	+ 4 39	10.9	Go
22	..	40.1	+28 43	11.6	G5	..	40.2	+ 5 55	10.8	B8	..	40.4	+ 9 25	11.4	F8	1454	40.6	+34 23	11.2	K7
23	..	40.1	+28 38	11.6	A	..	40.3	+34 30	11.5	K5	1378	40.4	+ 9 14	10.7	Ko	..	40.6	+33 26	12.2	K5
24	..	40.1	+26 24	12.0	A	..	40.3	+34 5	12.1	K	..	40.4	+ 9 9	11.2	Go	..	40.6	+29 47	11.4	F8
25	1420	40.1	+25 21	10.2	Fo	1409	40.3	+31 24	10.2	Ko	1481	40.4	+ 8 40	9.2	A2	..	40.6	+26 59	11.6	F8
26	1468	40.1	+22 54	10.2	Ao	1410	40.3	+31 21	10.9	B9	1482	40.4	+ 8 5	9.6	B9	1474	40.6	+19 46	10.0	B8
27	1467	40.1	+19 52	9.5	Go	1324	40.3	+30 6	10.8	Ko	1438	40.4	+ 7 15	11.0	F5	..	40.6	+19 41	10.6	Ao
28	..	40.1	+18 12	11.0	Ao	1230	40.3	+28 40	10.1	A3	1376	40.4	+ 6 36	10.4	K2	..	40.6	+18 36	10.9	A
29	..	40.1	+18 0	11.7	A2	..	40.3	+27 59	11.4	Fo	1397	40.4	+ 5 52	10.4	F5	1390	40.6	+17 31	10.2	K2
30	1386	40.1	+17 9	10.5	Ko	1223	40.3	+27 37	10.4	Ko		40.4	+ 5 52		Ao	1272	40.6	+16 44	10.3	Ao
31	1387	40.1	+17 6	11.4	G	1348	40.3	+26 12	9.3	A2	..	40.4	+ 5 28	11.5	K2	..	40.6	+16 21	11.1	G5
32	1422	40.1	+14 36	10.5	F	..	40.3	+22 12	11.4	G	..	40.4	+ 5 12	11.7	G	..	40.6	+15 57	11.3	F8
33	1400	40.1	+13 36	10.8	G5	..	40.3	+22 2	11.2	Fo	1389	40.4	+ 3 38	11.0	F5	1313	40.6	+15 30	9.6	B9
34	1402	40.1	+13 21	10.8	F	1371	40.3	+21 56	11.1	Ko	..	40.4	+ 3 28	10.2	A2	..	40.6	+15 25	11.3	A5
35	1274	40.1	+12 22	10.2	Fo	1372	40.3	+21 39	9.8	Ko	1388	40.4	+ 3 4	10.5	Fo	1314	40.6	+15 12	10.1	Ao
36	*1258*	40.1	+ 9 59	9.8	A2	1470	40.3	+19 34	10.0	K2	1453	40.5	+34 16	10.6	F8	1297	40.6	+11 56	10.0	A2
37	..	40.1	+ 9 28	11.4	G	1472	40.3	+19 0	10.0	A2	..	40.5	+33 32	11.8	Ko	..	40.6	+10 20	10.9	Ao
38	..	40.1	+ 9 0	11.0	Go	1337	40.3	+18 32	10.1	F5	*1406*	40.5	+32 59	11.1	G5	..	40.6	+ 9 7	11.3	F5
39	1479	40.1	+ 8 51	10.3	A3	1388	40.3	+17 30	10.2	A2	..	40.5	+32 17	11.8	A5	..	40.6	+ 8 24	11.3	F5
40	..	40.1	+ 8 43	11.2	A	..	40.3	+17 14	11.1	F5	1400	40.5	+32 2	9.6	Ao	..	40.6	+ 8 1	11.5	Ao
41	..	40.1	+ 4 50	11.3	Ko	35	40.3	+13 38	11.4	A	1325	40.5	+30 58	10.0	Ao	..	40.6	+ 7 48	11.8	A
42	..	40.1	+ 4 34	11.7	F8	1276	40.3	+12 9	10.4	A7	..	40.5	+25 27	10.7	A7	1440	40.6	+ 7 42	11.2	K5
43	..	40.1	+ 3 58	11.4	A	..	40.3	+ 9 6	11.2	Ko	1393	40.5	+24 12	9.6	Go	1441	40.6	+ 7 31	9.4	A3
44	1386	40.1	+ 3 26	10.8	K2	1480	40.3	+ 8 13	10.9	Go	1470	40.5	+22 49	10.2	Go	1379	40.6	+ 6 49	9.6	B9
45	*1385*	40.1	+ 2 59	11.3	Ko	..	40.3	+ 8 7	11.2	F8	1375	40.5	+21 0	9.4	Go	..	40.6	+ 6 41	10.8	A2
46	..	40.2	+34 26	11.4	K5	..	40.3	+ 7 48	11.6	Go	1564	40.5	+20 58	8.6	A3	1432	40.6	+ 4 41	10.0	A2
47	..	40.2	+34 12	11.4	F8	1437	40.3	+ 7 17	11.0	F8	1563	40.5	+20 14	10.2	Ao	..	40.6	+ 4 36	11.0	Go
48	..	40.2	+32 38	11.1	F5	..	40.3	+ 7 4	10.9	Ao	1565	40.5	+20 0	10.4	Go	1431	40.6	+ 4 1	10.9	Go
49	1342	40.2	+29 57	9.8	K5	..	40.3	+ 5 46	10.9	Ao	1473	40.5	+19 45	10.6	Ko	..	40.6	+ 4 0	10.8	Go
50	1343	40.2	+29 32	10.5	A2	1396	40.3	+ 5 0	10.6	G5	..	40.5	+19 2	10.8	A3	..	40.6	+ 3 58	11.9	A

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		m	° ′				m	° ′				m	° ′				m	° ′		
1	1390	40.6	+ 3 52	10.1	Fo	1277	40.8	+12 49	9.9	A7	..	41.0	+26 20	11.1	A	..	41.1	+ 3 33	11.0	A2
2	1391	40.6	+ 3 31	9.7	A7	..	40.8	+12 19	11.4	F5	..	41.0	+25 59	10.2	Ao	1397	41.1	+ 3 31	11.0	Ko
3	1392	40.6	+ 3 18	11.0	G5	..	40.8	+11 46	10.8	A7	1426	41.0	+25 23	10.1	F2	1411	41.2	+33 50	10.8	Ko
4	..	40.7	+33 10	12.3	G	..	40.8	+ 8 51	11.4	Go	..	41.0	+25 18	10.9	Go	..	41.2	+33 30	10.8	Go
5	..	40.7	+30 53	11.4	F8	1484	40.8	+ 8 49	11.8	Ko	..	41.0	+23 32	11.6	Ko	..	41.2	+32 55	11.2	G5
6	1327	40.7	+30 44	10.7	A3	..	40.8	+ 8 35	11.4	A	..	41.0	+23 31	11.2	F8	..	41.2	+31 42	11.4	F8
7	*1328*	40.7	+29 59	11.8	K2	1485	40.8	+ 8 18	10.0	F8	..	41.0	+23 5	11.8	K5	1412	41.2	+31 29	12.2	K7
8	1349	40.7	+26 56	11.8	K2	1443	40.8	+ 7 57	9.6	A2	..	41.0	+20 48	11.6	Mo	..	41.2	+26 32	11.2	Ao
9	..	40.7	+26 21	10.4	A5	..	40.8	+ 7 17	11.2	A	1566	41.0	+20 32	9.8	Mo	1354	41.2	+26 25	10.2	Ao
10	1376	40.7	+21 8	10.2	Ao	1380	40.8	+ 6 0	10.8	A3	..	41.0	+20 20	10.9	A2	1401	41.2	+24 56	9.2	B9
11	1340	40.7	+18 41	10.1	F8	..	40.8	+ 4 24	10.9	B9	..	41.0	+19 58	11.4	A	..	41.2	+24 51	10.7	Ao
12	..	40.7	+18 37	11.0	K7	1433	40.8	+ 4 6	10.0	B3	..	41.0	+19 51	11.6	K5	..	41.2	+23 31	11.2	A
13	..	40.7	+18 26	10.5	Fo	1408	40.9	+33 54	10.1	Go	..	41.0	+18 48	10.4	Fo	..	41.2	+21 42	11.0	Ko
14	1391	40.7	+17 28	9.8	Ko	..	40.9	+33 6	11.3	K5	..	41.0	+18 42	11.0	A	1378	41.2	+21 2	11.6	A
15	..	40.7	+17 23	10.5	Ao	..	40.9	+32 47	11.2	A2	*1279*	41.0	+11 58	10.8	Ko	..	41.2	+19 42	10.6	Ao
16	..	40.7	+16 51	11.1	B9	..	40.9	+32 23	11.2	F5	..	41.0	+10 4	11.3	K	..	41.2	+15 52	10.9	F8
17	1315	40.7	+15 14	9.8	F8	..	40.9	+29 43	11.3	Go	1381	41.0	+ 9 43	9.8	Go	1318	41.2	+15 1	9.8	Ao
18	1427	40.7	+14 57	9.1	A5	1425	40.9	+25 43	10.6	G5	..	41.0	+ 7 57	11.9	A	1431	41.2	+14 56	9.7	Go
19	1428	40.7	+14 4	9.7	Ao	1397	40.9	+24 18	9.1	F2	..	41.0	+ 7 55	10.9	Ao	1430	41.2	+14 55	9.8	F8
20	..	40.7	+13 35	11.2	G	1471	40.9	+22 53	10.6	A2	..	41.0	+ 7 25	10.6	A3	1429	41.2	+14 11	10.0	A2
21	1298	40.7	+11 35	10.0	Fo	..	40.9	+20 18	10.4	Ao	..	41.0	+ 6 40	11.1	Go	..	41.2	+11 39	11.0	G5
22	1379	40.7	+ 9 19	10.7	F8	1343	40.9	+18 44	10.0	G5	1381	41.0	+ 6 21	10.9	F5	1300	41.2	+11 3	9.9	Fo
23	..	40.7	+ 7 59	11.9	A	..	40.9	+17 29	11.2	Ao	1382	41.0	+ 6 17	10.8	Ko	..	41.2	+10 1	12.0	G
24	1442	40.7	+ 7 38	10.9	G5	..	40.9	+16 38	11.1	Ko	..	41.0	+ 4 0	11.4	K5	1383	41.2	+ 9 22	10.2	A2
25	..	40.7	+ 6 42	11.6	A	..	40.9	+16 37	11.3	A2	..	41.1	+33 25	10.8	A5	..	41.2	+ 7 56	11.0	A2
26	..	40.7	+ 6 7	10.2	Go	..	40.9	+14 6	10.2	F5	..	41.1	+33 16	10.6	Go	..	41.2	+ 6 0	10.8	A2
27	..	40.7	+ 4 13	11.2	Ao	..	40.9	+13 36	11.4	A	1331	41.1	+30 44	9.7	K2	..	41.2	+ 5 30	11.8	A3
28	1409	40.8	+33 8	10.6	Go	..	40.9	+12 39	11.1	F5	..	41.1	+28 27	11.6	G5	..	41.2	+ 3 31	11.2	A
29	1401	40.8	+32 53	10.0	Go	..	40.9	+10 38	11.7	K	1352	41.1	+26 52	11.2	Go	..	41.3	+34 38	10.8	G5
30	..	40.8	+32 32	11.8	G5	..	40.9	+10 7	11.0	Ao	1353	41.1	+26 51	10.0	F8	..	41.3	+33 41	11.2	F5
31	1346	40.8	+29 26	11.2	Ko	..	40.9	+ 9 21	11.0	Fo	..	41.1	+25 13	10.8	A	..	41.3	+29 43	10.8	F5
32	1232	40.8	+28 42	11.8	G5	1380	40.9	+ 9 12	9.5	B9	1400	41.1	+24 51	10.5	Ko	1228	41.3	+27 55	10.5	Fo
33	1224	40.8	+27 48	11.5	G5	1445	40.9	+ 7 53	10.8	K5	1399	41.1	+24 22	9.4	F5	1227	41.3	+27 51	10.0	G5
34	..	40.8	+27 32	11.4	A2	1444	40.9	+ 7 26	10.3	G5	1472	41.1	+22 30	10.0	A2	..	41.3	+27 27	10.8	A3
35	1225	40.8	+27 4	11.1	Ko	..	40.9	+ 6 35	11.0	F2	1475	41.1	+19 39	9.2	Go	1429	41.3	+25 43	10.4	Fo
36	..	40.8	+26 50	11.7	K2	..	40.9	+ 6 32	10.7	F5	..	41.1	+15 35	10.4	B9	..	41.3	+23 9	10.9	Fo
37	..	40.8	+25 25	10.4	Ao	..	40.9	+ 6 1	11.2	G5	1407	41.1	+13 39	10.4	A3	..	41.3	+22 42	11.6	G
38	*1424*	40.8	+24 59	10.0	F8	..	40.9	+ 5 54	10.8	Go	1408	41.1	+13 24	9.7	Go	..	41.3	+22 27	10.3	F5
39	1396	40.8	+24 49	9.8	F5	1399	40.9	+ 5 6	9.8	A2	1280	41.1	+12 11	10.0	A2	..	41.3	+21 53	12.4	A
40	1394	40.8	+24 16	9.6	G5	1434	40.9	+ 4 16	11.2	K2	1299	41.1	+11 24	10.8	F5	1379	41.3	+21 51	9.9	A5
41	..	40.8	+23 41	10.2	A2	..	40.9	+ 3 47	10.7	F8	1261	41.1	+10 55	10.6	F5	..	41.3	+21 2	11.3	A
42	1377	40.8	+21 1	9.8	F2	..	40.9	+ 3 24	9.7	Ao	..	41.1	+ 9 4	11.0	Go	..	41.3	+21 0	10.8	G
43	..	40.8	+20 45	11.8	K7	..	40.9	+ 3 20	10.6	B8	..	41.1	+ 9 1	11.3	A7	..	41.3	+20 42	11.4	Go
44	..	40.8	+19 23	11.2	A5	1455	41.0	+34 27	10.9	K7	..	41.1	+ 8 7	11.4	K5	1569	41.3	+20 35	11.6	K7
45	1342	40.8	+18 1	10.0	A3	..	41.0	+33 17	9.5	A3	..	41.1	+ 6 33	10.9	A7	1568	41.3	+20 1	10.5	G5
46	..	40.8	+16 53	11.2	A2	1330	41.0	+30 20	10.7	Ao	..	41.1	+ 5 21	11.0	K2	..	41.3	+19 34	11.2	F8
47	..	40.8	+15 47	11.0	A3	1347	41.0	+29 51	11.2	Go	..	41.1	+ 4 43	11.0	Go	1476	41.3	+19 25	10.6	Ao
48	1317	40.8	+15 31	10.0	K2	1233	41.0	+28 36	10.6	Fo	..	41.1	+ 4 19	11.2	F5	..	41.3	+19 8	10.8	F2
49	1316	40.8	+15 13	9.7	Ao	..	41.0	+28 25	11.7	Ko	..	41.1	+ 4 4	11.6	F2	1477	41.3	+19 6	9.2	B9
50	1405	40.8	+13 3	9.3	B5	..	41.0	+28 16	11.6	G5	1396	41.1	+ 3 44	9.6	B8	..	41.3	+18 27	11.4	Ko

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1274	41.3	+16 21	9.9	K5	..	41.5	+21 15	10.4	A3	..	41.6	+11 30	11.2	G	1407	41.8	+32 18	11.3	Mo
2	..	41.3	+14 32	11.2	A5	..	41.5	+19 32	11.6	A	1264	41.6	+10 29	10.8	Ao	..	41.8	+29 52	11.0	Fo
3	..	41.3	+14 18	11.1	K2	1478	41.5	+19 0	10.4	G5	1263	41.6	+10 7	9.2	F8	1349	41.8	+29 50	10.8	Ko
4	..	41.3	+12 8	11.0	A7	1350	41.5	+18 37	10.2	Go	..	41.6	+ 9 3	12.2	K5	1240	41.8	+28 0	10.6	Ko
5	*1281*	41.3	+11 59	10.4	F8	*1347*	41.5	+17 58	10.8	G5	1493	41.6	+ 8 0	10.8	K2	1231	41.8	+27 50	10.2	A7
6	..	41.3	+ 9 53	10.7	B8	..	41.5	+17 26	11.8	A	1447	41.6	+ 7 14	10.4	G5	1356	41.8	+26 26	9.7	G5
7	..	41.3	+ 9 10	11.0	A5	..	41.5	+16 36	10.8	Go	..	41.6	+ 7 6	11.5	G5	1435	41.8	+25 45	10.0	Ko
8	..	41.3	+ 8 48	10.8	F5	..	41.5	+16 27	11.2	G5	..	41.6	+ 7 1	11.4	Fo	..	41.8	+23 33	11.2	K2
9	..	41.3	+ 8 46	10.4	F5	*1276*	41.5	+15 57	10.6	K5	..	41.6	+ 6 22	11.8	A	1497	41.8	+23 0	11.2	G5
10	1489	41.3	+ 8 41	9.8	F2	..	41.5	+15 45	11.3	F5	1383	41.6	+ 6 3	9.8	Ko	1474	41.8	+22 29	11.4	Ko
11	1488	41.3	+ 8 30	9.3	Fo	..	41.5	+14 8	10.6	Ao	..	41.6	+ 4 56	11.4	Ko	..	41.8	+21 42	10.6	A
12	..	41.3	+ 7 50	11.0	F8	43	41.5	+13 26	11.0	G5	1399	41.6	+ 3 25	11.0	Ao	1382	41.8	+21 30	9.6	G5
13	1401	41.3	+ 5 42	11.1	F5	1284	41.5	+12 53	9.8	Ao	1459	41.7	+34 8	10.4	Go	1572	41.8	+20 31	11.2	Ko
14	1436	41.3	+ 4 46	10.2	Ko	1286	41.5	+12 27	10.2	Ko	1413	41.7	+33 22	10.0	G5	..	41.8	+19 4	10.8	A2
15	..	41.3	+ 4 21	11.9	A	1301	41.5	+11 1	9.5	F2	1405	41.7	+32 37	10.5	Go	1396	41.8	+17 40	11.2	K7
16	1437	41.3	+ 4 13	10.0	B9	..	41.5	+10 17	11.0	F5	..	41.7	+32 21	11.4	A7	1280	41.8	+16 45	9.5	B9
17	1438	41.3	+ 4 1	10.0	A7	1385	41.5	+ 9 32	10.8	F5	1239	41.7	+28 31	10.0	Ao	1433	41.8	+14 30	10.0	K2
18	..	41.4	+33 49	12.0	K2	..	41.5	+ 8 45	10.8	A7	..	41.7	+27 43	11.6	Fo	1289	41.8	+12 5	11.4	K7
19	..	41.4	+33 21	11.2	Ko	..	41.5	+ 7 33	11.6	A	..	41.7	+26 56	11.2	A5	1304	41.8	+11 1	9.7	Fo
20	1402	41.4	+32 18	11.1	Go	1446	41.5	+ 7 10	10.8	Ko	1434	41.7	+25 41	11.0	Mo	..	41.8	+10 15	11.2	F8
21	1403	41.4	+32 14	11.2	G5	..	41.5	+ 7 1	11.4	Ao	..	41.7	+22 54	11.7	K2	..	41.8	+ 7 50	12.4	F
22	..	41.4	+29 45	11.3	G5	..	41.5	+ 6 32	11.2	Ao	..	41.7	+22 43	11.1	Go	1405	41.8	+ 5 55	10.8	A5
23	1235	41.4	+28 37	10.3	Ko	..	41.5	+ 6 17	12.2	K2	..	41.7	+21 53	11.4	F5	..	41.8	+ 5 38	11.4	A3
24	..	41.4	+28 17	11.6	F2	..	41.5	+ 5 54	10.6	A3	..	41.7	+21 26	11.2	Ko	..	41.8	+ 4 36	11.1	A3
25	..	41.4	+27 42	10.8	Go	1403	41.5	+ 5 42	10.4	B2	..	41.7	+20 44	11.6	A3	..	41.8	+ 3 43	11.0	B8
26	1380	41.4	+21 43	9.5	Ko	1441	41.5	+ 4 57	10.8	Ao	1571	41.7	+20 11	10.4	F8	1400	41.8	+ 3 27	10.7	A7
27	1381	41.4	+21 14	10.4	Go	..	41.5	+ 4 40	11.2	B5	..	41.7	+18 34	10.9	K5	..	41.9	+33 53	11.0	F
28	..	41.4	+19 27	10.4	A2	..	41.5	+ 3 43	11.4	A2	..	41.7	+18 14	10.8	A	..	41.9	+33 27	11.2	K5
29	1345	41.4	+18 17	10.4	Mo	..	41.6	+34 43	11.0	Go	..	41.7	+17 58	10.8	A	..	41.9	+32 33	11.6	K2
30	1344	41.4	+18 7	10.4	Go	..	41.6	+33 41	11.3	G5	1319	41.7	+15 25	11.1	K7	1408	41.9	+32 22	10.5	F5
31	1346	41.4	+18 2	10.4	Ao	1404	41.6	+32 2	10.3	Fo	1288	41.7	+12 18	10.0	A2	1415	41.9	+31 19	10.2	K5
32	1275	41.4	+16 30	10.0	A3	1238	41.6	+28 36	10.4	A2	..	41.7	+11 39	10.9	A2	1232	41.9	+27 42	10.5	Fo
33	..	41.4	+16 4	11.0	F2	1236	41.6	+28 30	10.4	F5	..	41.7	+ 9 38	11.4	A	..	41.9	+26 10	10.8	Go
34	*1432*	41.4	+13 58	10.4	G5	1496	41.6	+23 44	10.2	G5	..	41.7	+ 8 27	11.3	G	..	41.9	+24 35	11.2	G
35	1409	41.4	+13 51	10.6	Ko	..	41.6	+23 14	10.8	A	..	41.7	+ 8 13	11.0	F5	1475	41.9	+22 15	9.6	Ko
36	*1410*	41.4	+12 58	11.1	K7	..	41.6	+22 33	10.9	A3	..	41.7	+ 8 3	11.6	A3	..	41.9	+21 53	11.0	G
37	1283	41.4	+12 39	10.2	F5	..	41.6	+22 0	11.8	K5	..	41.7	+ 7 52	11.4	G5	..	41.9	+21 45	10.5	F8
38	1282	41.4	+12 10	10.9	G5	..	41.6	+21 21	11.2	F8	..	41.7	+ 7 48	11.4	F8	1384	41.9	+21 13	10.8	Go
39	1384	41.4	+ 9 8	9.5	Go	1570	41.6	+20 56	11.4	Ko	..	41.7	+ 5 35	10.9	Ko	..	41.9	+18 15	10.6	Ao
40	1491	41.4	+ 8 54	9.5	A5	..	41.6	+19 8	10.7	Ao	1404	41.7	+ 5 22	10.8	K2	..	41.9	+16 25	11.0	A5
41	..	41.4	+ 7 32	11.4	Ao	1479	41.6	+19 3	8.8	A	..	41.7	+ 5 14	11.6	A	1434	41.9	+14 12	10.7	K7
42	..	41.4	+ 6 37	11.2	F5	..	41.6	+18 54	11.4	A	..	41.7	+ 5 10	11.4	G	*1411*	41.9	+12 57	10.8	F8
43	1439	41.4	+ 4 0	10.9	K7	..	41.6	+17 54	11.2	A	..	41.7	+ 5 4	11.1	A2	1305	41.9	+11 53	10.8	Mo
44	1457	41.5	+34 39	10.0	F2	1279	41.6	+16 28	10.4	F5	..	41.7	+ 3 40	10.8	Go	..	41.9	+11 14	11.0	Go
45	..	41.5	+32 21	11.6	A3	..	41.6	+14 51	10.7	A7	..	41.7	+ 3 38	11.2	Ko	1495	41.9	+ 8 37	9.5	Ko
46	1333	41.5	+30 6	10.8	F8	..	41.6	+14 28	10.8	Ao	..	41.7	+ 3 35	11.9	A	..	41.9	+ 7 34	10.6	Go
47	1433	41.5	+25 49	9.2	Go	..	41.6	+14 22	10.8	A5	..	41.7	+ 3 34	11.5	K7	1448	41.9	+ 7 15	9.5	A2
48	1431	41.5	+25 18	10.8	G5	44	41.6	+13 11	11.1	A7	..	41.7	+ 3 2	11.2	Ko	..	41.9	+ 7 9	11.3	K2
49	1402	41.5	+24 39	10.4	F8	..	41.6	+13 6	11.2	A	1460	41.8	+34 15	11.2	G5	..	41.9	+ 6 49	11.0	A2
50	1403	41.5	+24 8	9.8	F5	1287	41.6	+12 1	10.5	A3	..	41.8	+33 39	10.8	F5	..	41.9	+ 6 2	12.1	A

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	41.9	+ 4 27	11.6	Fo	1497	42.1	+ 8 41	9.7	F5	1335	42.3	+30 6	11.6	Ko	1408	42.4	+ 5 22	11.0	K5
2	1442	41.9	+ 4 4	11.2	F8	..	42.1	+ 8 36	11.0	Fo	1233	42.3	+27 50	11.0	F8	1444	42.4	+ 4 49	10.6	F5
3	..	41.9	+ 3 58	11.7	A	..	42.1	+ 8 24	11.0	Ao	..	42.3	+27 48	10.7	Go	1443	42.4	+ 4 43	10.0	F5
4	1401	41.9	+ 3 45	10.7	B9	..	42.1	+ 7 46	11.8	A	..	42.3	+27 26	10.8	Ao	1445	42.4	+ 4 17	11.0	Ao
5	1402	41.9	+ 3 39	10.6	B8	..	42.1	+ 6 10	11.6	A	..	42.3	+27 15	11.6	F8	1405	42.4	+ 3 55	10.2	B2
6	..	41.9	+ 3 37	11.1	Ao	..	42.1	+ 5 39	11.4	A	..	42.3	+25 19	10.8	Ao	1465	42.5	+34 31	11.0	M2
7	..	41.9	+ 3 33	10.8	G5	..	42.1	+ 5 34	10.2	A3	1500	42.3	+23 16	9.2	Ao	..	42.5	+34 18	10.8	F8
8	1463	42.0	+34 33	11.0	K7	..	42.1	+ 5 12	10.4	B5	..	42.3	+21 30	10.6	A3	..	42.5	+31 21	11.8	A7
9	..	42.0	+31 39	11.2	A2	..	42.1	+ 4 36	12.1	A	..	42.3	+21 22	11.2	A7	1353	42.5	+29 52	11.0	Go
10	..	42.0	+26 49	10.2	Go	..	42.2	+34 21	11.3	Go	..	42.3	+19 34	10.2	A2	..	42.5	+29 32	10.6	A2
11	..	42.0	+24 45	11.4	A3	..	42.2	+33 36	11.7	F8	1481	42.3	+19 17	9.6	A3	1360	42.5	+26 48	11.4	K7
12	1498	42.0	+23 50	10.8	Ko	1410	42.2	+32 27	11.2	F5	1352	42.3	+18 37	9.2	A	..	42.5	+23 53	10.5	Go
13	1385	42.0	+21 40	10.6	Ko	1241	42.2	+28 20	10.2	Ao	..	42.3	+18 4	10.8	Ao	..	42.5	+23 52	10.3	Go
14	..	42.0	+21 25	11.0	F	1359	42.2	+26 55	11.7	Go	1398	42.3	+17 45	10.7	G5	..	42.5	+23 13	11.8	K5
15	..	42.0	+20 55	10.7	F5	..	42.2	+26 53	10.4	Fo	..	42.3	+16 32	11.2	Ko	1479	42.5	+22 38	10.0	Ao
16	..	42.0	+20 26	11.3	A5	..	42.2	+26 43	11.2	G5	1322	42.3	+15 23	10.8	K7	..	42.5	+19 56	11.5	A
17	..	42.0	+19 30	11.4	Go	1476	42.2	+22 49	10.6	Ko	1440	42.3	+14 37	9.8	Go	..	42.5	+18 49	10.6	A3
18	..	42.0	+19 27	11.7	K7	*1387*	42.2	+20 57	10.2	Ko	1413	42.3	+13 20	10.0	K2	1353	42.5	+18 2	10.4	Ao
19	1351	42.0	+18 19	8.8	A	1573	42.2	+20 22	10.6	K2	1292	42.3	+12 48	10.0	K5	..	42.5	+16 43	11.0	A5
20	..	42.0	+17 45	11.0	Ao	..	42.2	+20 20	11.6	M2	..	42.3	+10 10	11.2	G	..	42.5	+15 57	11.4	G5
21	1282	42.0	+16 14	10.3	Ao	..	42.2	+19 46	11.3	G5	1499	42.3	+ 8 7	9.1	F2	1324	42.5	+15 41	11.6	Mo
22	1321	42.0	+15 22	10.8	K2	..	42.2	+16 9	11.2	A	1451	42.3	+ 7 49	10.4	K2	1443	42.5	+14 38	10.4	Ko
23	1435	42.0	+14 47	10.8	F8	..	42.2	+15 19	10.8	F5	..	42.3	+ 7 44	10.8	A	1293	42.5	+12 26	10.6	Ko
24	..	42.0	+10 37	10.4	A2	1437	42.2	+14 37	9.7	A2	..	42.3	+ 6 57	10.0	A2	1268	42.5	+10 33	9.8	G5
25	1386	42.0	+ 9 5	10.0	A2	1438	42.2	+14 11	10.6	F8	..	42.3	+ 5 49	11.8	G5	1267	42.5	+10 8	10.0	Ko
26	..	42.0	+ 8 7	11.0	Fo	*1439*	42.2	+13 58	9.8	A7	..	42.3	+ 5 40	10.9	A2	..	42.5	+ 9 59	10.4	B8
27	1449	42.0	+ 7 3	11.2	Ko	16.	42.2	+13 10	10.3	Ao	..	42.3	+ 3 47	11.6	A	..	42.5	+ 6 57	10.2	Ao
28	..	42.0	+ 6 43	12.0	F8	1291	42.2	+12 45	10.8	Ko	..	42.3	+ 3 24	11.6	Ao	..	42.5	+ 6 17	10.8	A5
29	..	42.0	+ 4 29	11.4	G5	1306	42.2	+11 19	9.7	A2	1404	42.3	+ 3 11	9.6	Ao	..	42.5	+ 6 5	11.6	A
30	..	42.0	+ 3 29	11.0	A2	..	42.2	+11 8	10.8	A7	..	42.4	+30 37	11.2	F5	*1409*	42.5	+ 4 58	9.9	B9
31	..	42.0	+ 3 21	10.6	A7	..	42.2	+10 55	11.5	A	1242	42.4	+28 56	10.8	Fo	..	42.5	+ 4 34	11.0	A2
32	1403	42.0	+ 3 1	11.4	K5	..	42.2	+10 46	11.1	F8	..	42.4	+28 46	11.5	A5	1466	42.6	+34 25	11.2	K5
33	..	42.1	+34 26	10.8	K5	1387	42.2	+ 9 21	10.6	Ao	..	42.4	+28 43	11.0	Fo	..	42.6	+32 53	12.4	K7
34	1409	42.1	+32 40	10.5	Ko	..	42.2	+ 8 36	11.1	Fo	..	42.4	+28 26	11.9	F5	..	42.6	+32 25	11.2	Fo
35	..	42.1	+32 10	11.6	Go	1498	42.2	+ 8 35	10.4	F2	..	42.4	+28 3	11.6	Go	..	42.6	+32 13	11.2	A2
36	..	42.1	+30 58	11.3	F5	..	42.2	+ 7 45	11.8	A	..	42.4	+27 55	11.4	Go	..	42.6	+30 29	11.9	G5
37	1437	42.1	+25 35	10.2	Go	..	42.2	+ 7 32	11.3	A	1234	42.4	+27 3	11.4	K5	..	42.6	+27 32	11.6	G5
38	1405	42.1	+24 10	10.3	Go	1450	42.2	+ 7 13	11.2	K7	1439	42.4	+25 19	9.8	A3	1361	42.6	+26 25	9.6	Go
39	..	42.1	+22 12	11.4	Go	..	42.2	+ 7 11	10.9	Ao	1501	42.4	+23 33	10.6	A7	..	42.6	+24 17	11.0	F8
40	1386	42.1	+21 27	10.7	Ko	1407	42.2	+ 5 20	11.0	Go	1478	42.4	+22 6	10.1	Go	1407	42.6	+24 6	9.8	F2
41	1480	42.1	+19 17	9.6	Ko	..	42.2	+ 4 30	10.8	B8	..	42.4	+17 52	11.4	Ko	..	42.6	+23 54	10.8	A7
42	..	42.1	+18 57	10.8	Ao	..	42.2	+ 3 44	11.1	A2	..	42.4	+17 24	10.4	A	1480	42.6	+22 41	9.8	G5
43	..	42.1	+17 56	10.7	Go	..	42.2	+ 3 30	11.0	Go	1399	42.4	+17 4	9.6	Ao	..	42.6	+22 26	11.4	F5
44	..	42.1	+15 17	10.9	Fo	..	42.2	+ 3 7	10.7	A5	..	42.4	+16 27	11.2	F5	1575	42.6	+20 53	9.6	Ko
45	..	42.1	+14 40	10.3	A2	1464	42.3	+34 36	11.1	G5	1323	42.4	+15 42	11.6	G5	..	42.6	+20 43	11.1	Ao
46	1412	42.1	+13 13	10.7	G	..	42.3	+34 3	11.2	A7	1442	42.4	+14 52	10.8	K7	1576	42.6	+20 33	10.2	F8
47	..	42.1	+11 29	10.1	Ao	..	42.3	+33 49	11.6	Ko	1414	42.4	+13 39	11.3	G5	1354	42.6	+18 25	9.5	Ko
48	1265	42.1	+10 53	9.6	Fo	..	42.3	+33 9	11.1	Go	..	42.4	+13 2	10.9	F2	1283	42.6	+16 23	11.0	K2
49	..	42.1	+ 9 29	11.5	G	1334	42.3	+30 41	10.9	Go	1266	42.4	+10 28	11.2	K5	1444	42.6	+14 11	10.4	A5
50	..	42.1	+ 9 3	11.4	K	..	42.3	+30 39	11.5	A	..	42.4	+ 8 39	11.2	A3	1416	42.6	+13 56	10.1	K2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1296	42.6	+12 18	10.6	F2	1408	42.8	+24 19	9.2	F5	1407	42.9	+ 3 51	10.4	B9	..	43.1	+23 43	10.4	A7
2	1295	42.6	+12 4	10.4	Fo	1503	42.8	+23 50	10.1	K7	..	42.9	+ 3 19	11.4	Ao	1505	43.1	+23 36	10.1	A5
3	1269	42.6	+10 52	9.8	Ko	1502	42.8	+23 33	10.0	Fo	..	42.9	+ 3 17	10.9	Ao	..	43.1	+23 29	10.8	G5
4	1388	42.6	+ 9 15	9.8	Go	1484	42.8	+19 20	9.5	Fo	1413	43.0	+32 22	10.7	K5	..	43.1	+23 17	9.8	A2
5	1502	42.6	+ 8 23	9.6	F8	..	42.8	+19 15	10.5	Go	..	43.0	+31 43	11.8	F5	1482	43.1	+22 13	10.4	Mo
6	..	42.6	+ 8 13	10.8	A2	1355	42.8	+18 26	9.4	A2	1354	43.0	+29 13	10.4	K2	1579	43.1	+20 35	11.4	Ko
7	..	42.6	+ 7 47	11.0	A3	..	42.8	+17 21	10.6	A	1355	43.0	+29 2	10.6	Ko	..	43.1	+18 49	11.1	Ao
8	..	42.6	+ 7 11	11.8	A	..	42.8	+16 21	11.2	F2	1246	43.0	+28 0	10.2	G5	..	43.1	+18 40	11.0	Ao
9	1386	42.6	+ 6 20	10.2	G5	1325	42.8	+15 50	10.8	A3	1362	43.0	+26 49	10.6	Ao	..	43.1	+18 16	11.4	Ko
10	..	42.6	+ 5 27	12.1	A	..	42.8	+14 55	11.4	G5	..	43.0	+26 4	11.4	G5	1357	43.1	+17 59	10.6	F5
11	1447	42.6	+ 4 46	9.3	B2	1298	42.8	+12 25	10.2	Ao	..	43.0	+23 13	10.0	Go	1289	43.1	+16 45	10.8	A2
12	..	42.7	+33 41	11.4	Mo	1299	42.8	+12 23	10.9	K5	..	43.0	+22 15	11.9	A	1290	43.1	+16 39	11.0	Ko
13	..	42.7	+33 12	11.2	Ko	1297	42.8	+12 5	10.8	A7	..	43.0	+21 53	11.3	B9	1288	43.1	+16 9	10.4	A7
14	..	42.7	+32 48	11.9	G5	1308	42.8	+11 56	10.4	Ao	1389	43.0	+21 32	9.4	A7	..	43.1	+16 4	10.6	Fo
15	1411	42.7	+32 25	10.3	Ko	1272	42.8	+10 56	9.8	Ao	..	43.0	+19 50	10.6	Ao	1450	43.1	+14 35	10.6	K2
16	1412	42.7	+32 7	9.5	Fo	1271	42.8	+10 37	9.0	B9	..	43.0	+19 35	11.1	Fo	1449	43.1	+14 31	10.4	K5
17	1417	42.7	+31 17	11.0	Fo	..	42.8	+ 9 30	11.0	F8	1485	43.0	+19 0	11.2	K7	..	43.1	+14 26	10.6	A
18	1336	42.7	+30 14	9.6	G5	1454	42.8	+ 7 5	9.8	Ao	1402	43.0	+17 47	9.9	A3	1419	43.1	+13 45	10.6	F8
19	1244	42.7	+28 46	9.6	Fo	1455	42.8	+ 7 2	9.9	B8	4403	43.0	+17 30	9.1	F8	..	43.1	+13 18	11.4	G
20	..	42.7	+28 7	11.0	Ko	..	42.8	+ 5 41	11.1	A7	1401	43.0	+17 10	9.4	Ao	1279	43.1	+10 41	10.2	F8
21	..	42.7	+27 37	11.2	Go	1410	42.8	+ 5 2	11.0	Ko	1287	43.0	+16 39	10.8	Ao	1278	43.1	+10 30	9.6	G5
22	..	42.7	+25 37	10.4	Ao	..	42.8	+ 4 50	11.1	A3	1286	43.0	+16 14	10.3	Ko	..	43.1	+ 8 19	10.8	A2
23	1440	42.7	+25 10	10.2	A5	..	42.8	+ 4 41	10.8	A7		43.0	+16 14	10.3	Ko	..	43.1	+ 8 13	11.0	A3
24	..	42.7	+23 38	10.7	F8	1448	42.8	+ 4 11	11.4	K2	1328	43.0	+15 9	10.6	Go	..	43.1	+ 7 35	11.4	A
25	..	42.7	+19 56	11.4	K5	..	42.9	+34 13	11.9	Go	..	43.0	+15 2	10.5	Ao	..	43.1	+ 7 6	10.4	F8
26	..	42.7	+19 18	10.6	F8	..	42.9	+31 44	11.6	F5	..	43.0	+14 10	11.2	A	..	43.1	+ 6 54	12.0	A
27	..	42.7	+15 15	10.8	F8	..	42.9	+29 49	11.7	A5	1276	43.0	+10 16	9.6	Ao	1416	43.1	+ 5 54	9.9	F2
28	1448	42.7	+14 29	10.6	Ko	..	42.9	+27 45	11.4	G5	..	43.0	+ 9 18	11.1	A5	..	43.1	+ 5 49	10.8	F2
29	1447	42.7	+14 23	10.8	K5	1443	42.9	+25 52	11.4	G5	1505	43.0	+ 8 44	10.4	A5	1415	43.1	+ 5 2	11.3	G5
30	..	42.7	+14 14	10.6	A3	1481	42.9	+22 31	10.2	Ao	..	43.0	+ 8 32	11.9	A	..	43.1	+ 4 33	11.0	F5
31	..	42.7	+13 48	10.8	A5	..	42.9	+21 19	11.5	A	..	43.0	+ 8 0	11.4	A	*1451*	43.1	+ 3 59	10.2	B3
32	1418	42.7	+13 9	11.1	Ko	1577	42.9	+20 55	11.0	Go	..	43.0	+ 7 48	11.4	A	..	43.2	+33 28	11.5	K7
33	1417	42.7	+13 8	10.2	Ao	1483	42.9	+19 33	9.3	F8	1456	43.0	+ 7 7	10.7	F8	..	43.2	+33 16	11.2	F8
34	..	42.7	+10 31	11.2	A2	..	42.9	+19 29	10.8	K2	1388	43.0	+ 6 13	10.3	Ao	1415	43.2	+32 48	11.0	Ko
35	..	42.7	+10 6	11.2	A	1356	42.9	+18 10	10.0	Ko	1413	43.0	+ 5 44	10.8	Ko	1339	43.2	+30 29	9.6	A7
36	1390	42.7	+ 9 33	10.0	F5	*1400*	42.9	+16 59	10.3	Ao	1412	43.0	+ 5 12	10.6	Ko	..	43.2	+30 14	11.0	K2
37	1389	42.7	+ 9 15	10.8	Go	1284	42.9	+16 47	9.8	Ao	1450	43.0	+ 4 15	10.8	B8	1357	43.2	+29 19	10.2	G5
38	..	42.7	+ 8 26	11.0	Go	1285	42.9	+16 17	9.9	F5	..	43.1	+33 46	12.2	G	..	43.2	+26 51	11.6	Fo
39	..	42.7	+ 7 48	10.6	B8	1327	42.9	+15 23	10.5	A7	..	43.1	+33 39	10.8	F8	1412	43.2	+24 33	9.6	A5
40	..	42.7	+ 7 7	12.0	A	..	42.9	+15 0	10.8	A5	..	43.1	+30 26	11.4	F5	..	43.2	+23 16	10.6	A3
41	1467	42.8	+34 14	11.0	F2	..	42.9	+13 58	11.1	A5	1338	43.1	+30 23	11.6	Go	1483	43.2	+22 7	10.2	A2
42	..	42.8	+33 24	11.5	F5	..	42.9	+10 8	10.2	Fo	..	43.1	+30 12	11.4	F5	1486	43.2	+19 29	10.7	Ko
43	..	42.8	+31 0	11.0	Go	1503	42.9	+ 8 50	11.0	F8	1356	43.1	+29 34	10.8	G5	1404	43.2	+17 32	9.6	Ko
44	1245	42.8	+28 12	11.1	Ko	1504	42.9	+ 8 38	11.3	K8	..	43.1	+28 12	11.6	F2	..	43.2	+17 29	10.8	K5
45	..	42.8	+27 18	11.4	A3	..	42.9	+ 7 22	11.5	A	*1237*	43.1	+26 58	10.4	Ao	..	43.2	+17 12	10.8	Ko
46	1235	42.8	+27 4	11.2	G5	..	42.9	+ 7 12	11.0	B9	..	43.1	+26 24	11.5	Ko	..	43.2	+ 9 56	10.9	A2
47	..	42.8	+26 58	11.2	Go	1387	42.9	+ 6 5	11.0	A3	..	43.1	+24 51	12.0	K	1392	43.2	+ 9 53	9.6	Fo
48	1442	42.8	+25 27	11.2	K5	..	42.9	+ 5 3	11.4	G	1410	43.1	+24 30	10.4	F5	1391	43.2	+ 9 29	9.8	Ko
49	1441	42.8	+25 15	11.0	K7	..	42.9	+ 4 56	10.8	B		43.1	+24 30		A2	..	43.2	+ 8 32	11.4	F
50	1409	42.8	+24 42	10.3	A2	1449	42.9	+ 4 4	10.6	B9	1411	43.1	+24 1	10.6	K5	1417	43.2	+ 5 7	10.8	K5

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$6^h\ 43^m.2$ to $6^h\ 43^m.9$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′		
1	..	43.2	+ 3 49	11.1	Go
2	1408	43.2	+ 3 12	10.4	B8
3	..	43.3	+33 48	11.9	F8
4	..	43.3	+33 18	11.6	K5
5	..	43.3	+33 0	11.4	Ko
6	..	43.3	+30 41	12.0	F8
7	1358	43.3	+29 28	10.8	F5
8	1363	43.3	+26 11	9.9	Fo
9	1444	43.3	+25 29	11.0	G5
10	..	43.3	+23 18	10.2	F8
11	1485	43.3	+22 16	9.1	Ko
12	1488	43.3	+19 18	9.8	A2
13	1358	43.3	+18 46	10.5	K2
14	..	43.3	+16 21	10.5	F8
15	..	43.3	+14 43	10.8	A7
16	1420	43.3	+13 7	10.8	A3
17	1311	43.3	+11 38	11.0	Ao
18	1309	43.3	+11 35	10.7	Ko
19	1310	43.3	+11 20	10.0	F2
20	..	43.3	+10 34	11.2	F5
21	1280	43.3	+10 30	10.6	K7
22	..	43.3	+ 9 55	11.0	Fo
23	..	43.3	+ 9 47	11.4	G
24	..	43.3	+ 8 36	10.6	Ao
25	..	43.3	+ 7 50	10.4	F2
26	..	43.3	+ 7 48	10.0	A5
27	1418	43.3	+ 5 12	10.0	Fo
28	1409	43.3	+ 3 25	9.8	Fo
29	..	43.3	+ 3 11	10.8	B8
30	..	43.3	+ 3 4	11.5	A
31	1469	43.4	+34 2	10.4	K2
32	..	43.4	+33 30	11.0	Ko
33	..	43.4	+31 3	11.4	Ao
34	1250	43.4	+28 56	9.6	F2
35	1249	43.4	+28 39	11.1	A3
36	1238	43.4	+27 34	10.2	F2
37	1365	43.4	+26 28	10.0	K5
38	1445	43.4	+25 33	11.4	Ko
39	1506	43.4	+23 39	11.8	M
40	..	43.4	+22 4	10.6	F2
41	1487	43.4	+19 37	9.2	A2
42	..	43.4	+13 20	11.2	F8
43	1302	43.4	+12 9	11.2	Go
44	1312	43.4	+11 16	11.2	K7
45	..	43.4	+10 59	11.0	A3
46	1281	43.4	+10 51	9.6	F5
47	..	43.4	+10 22	10.0	F2
48	..	43.4	+ 9 30	10.8	Go
49	1394	43.4	+ 9 9	9.9	Ko
50	1508	43.4	+ 8 55	9.8	G5
..	..	43.4	+ 8 29	11.2	K7
1459		43.4	+ 7 43	10.3	Mo
1460		43.4	+ 7 25	10.8	Fo
..		43.4	+ 6 41	11.3	Ao
1420		43.4	+ 5 32	10.3	Fo
1419		43.4	+ 5 15	10.2	A5
..		43.4	+ 5 8	9.9	B8
1454		43.4	+ 4 19	11.1	Go
1455		43.4	+ 4 14	10.0	A7
..		43.4	+ 3 24	11.0	K2
..		43.5	+34 18	12.0	K7
..		43.5	+33 54	11.2	G5
..		43.5	+33 21	11.2	K5
..		43.5	+32 4	11.4	Ko
..		43.5	+30 38	12.0	G
1360		43.5	+29 10	11.5	Ko
..		43.5	+28 35	11.5	Fo
1239		43.5	+27 0	10.4	F8
1391		43.5	+21 47	10.2	F5
1580		43.5	+20 9	10.4	Fo
1489		43.5	+19 48	11.2	Ko
1291		43.5	+16 34	10.1	Ao
1292		43.5	+16 33	10.5	K7
1329		43.5	+15 50	11.0	Ko
1454		43.5	+14 27	9.7	Ko
1451		43.5	+14 18	10.5	Ko
..		43.5	+14 7	11.2	A5
1282		43.5	+10 14	10.0	A2
1395		43.5	+ 9 39	9.3	A5
..		43.5	+ 9 23	11.4	K2
..		43.5	+ 9 15	11.3	G
..		43.5	+ 9 7	11.9	K7
1509		43.5	+ 8 50	9.3	F5
..		43.5	+ 8 5	11.4	A2
..		43.5	+ 7 27	11.6	A5
1461		43.5	+ 7 13	9.5	F5
..		43.5	+ 7 4	11.8	Fo
..		43.5	+ 6 23	12.1	A
..		43.5	+ 5 40	11.4	F8
1421		43.5	+ 5 7	10.2	G5
1410		43.5	+ 3 46	10.2	F8
1470		43.6	+34 20	10.5	M2
..		43.6	+34 3	11.6	K5
..		43.6	+33 54	11.4	Ko
..		43.6	+31 59	11.8	F8
..		43.6	+26 31	10.1	Ao
..		43.6	+26 20	11.6	A5
1447		43.6	+25 47	10.6	Go
..		43.6	+24 42	11.4	K5
1413		43.6	+24 20	11.4	K7
1486		43.6	+22 27	9.3	Ao
1488		43.6	+22 8	10.6	K2
..		43.6	+21 42	11.0	Ao
1581		43.6	+20 51	10.0	A2
1490		43.6	+19 31	10.2	B9
..		43.6	+14 2	10.9	Go
1303		43.6	+12 0	10.0	F5
1313		43.6	+11 42	10.4	F2
1314		43.6	+11 35	10.5	Ko
1283		43.6	+10 44	9.6	B9
..		43.6	+ 9 18	11.4	K5
..		43.6	+ 9 1	11.2	Ko
..		43.6	+ 7 16	11.6	A
..		43.6	+ 7 4	11.1	G5
..		43.6	+ 6 15	11.7	Ko
1422		43.6	+ 5 42	10.6	M1
1423		43.6	+ 5 33	11.0	Ao
..		43.6	+ 5 28	11.6	Ao
..		43.6	+ 4 56	11.2	F2
1456		43.6	+ 4 50	10.8	G5
1411		43.6	+ 3 27	10.8	K5
..		43.7	+33 58	11.2	G5
..		43.7	+29 7	11.0	Go
1252		43.7	+28 41	11.0	Go
..		43.7	+28 39	11.6	G5
1251		43.7	+28 35	10.5	G5
..		43.7	+27 53	11.7	Ko
1414		43.7	+24 51	9.5	F8
..		43.7	+24 23	11.4	A5
1489		43.7	+22 10	11.8	K7
1392		43.7	+21 24	10.0	Go
1583		43.7	+20 37	10.2	A3
..		43.7	+20 4	11.0	F
1582		43.7	+20 2	10.9	Ko
..		43.7	+18 26	11.0	Ao
..		43.7	+15 34	11.0	F2
1304		43.7	+12 39	10.2	A7
1315		43.7	+11 11	9.8	Fo
..		43.7	+ 9 15	11.4	Go
..		43.7	+ 7 21	11.1	A2
..		43.7	+ 6 37	10.8	A2
..		43.7	+ 6 32	10.1	B9
..		43.7	+ 6 29	11.6	K5
1425		43.7	+ 5 45	10.8	A5
..		43.7	+ 4 41	9.8	A3
..		43.7	+ 4 29	10.9	B8
1457		43.7	+ 4 7	10.0	B8
..		43.7	+ 3 4	11.0	Ao
..		43.8	+32 14	10.3	A7
..		43.8	+29 37	10.8	Ko
..		43.8	+29 19	11.8	Go
1363		43.8	+28 59	10.2	A3
1253		43.8	+28 10	11.0	Go
1449		43.8	+25 57	11.0	Ao
1450		43.8	+25 49	11.1	Ko
1451		43.8	+25 28	10.2	F8
1452		43.8	+25 2	11.8	K8
1415		43.8	+24 1	11.1	K2
1507		43.8	+23 8	9.8	Ko
..		43.8	+20 9	10.8	F5
1491		43.8	+19 49	10.2	Go
1360		43.8	+18 52	9.5	Mo
1361		43.8	+18 6	10.2	Ko
1294		43.8	+16 28	11.5	Mo
1293		43.8	+16 5	10.7	Ko
..		43.8	+12 9	10.5	A3
..		43.8	+12 7	10.6	K7
1316		43.8	+11 14	9.2	A
..		43.8	+10 39	10.8	Ao
..		43.8	+ 9 59	11.8	A
..		43.8	+ 8 52	11.2	Ao
..		43.8	+ 8 31	11.4	A
1511		43.8	+ 8 10	9.9	A2
1463		43.8	+ 7 25	10.0	F2
1390		43.8	+ 6 47	10.8	Go
..		43.8	+ 5 19	10.3	A2
..		43.8	+ 4 12	11.4	G5
1412		43.8	+ 3 45	10.6	Ko
1413		43.8	+ 3 32	9.5	B8
..		43.9	+34 29	11.4	Ko
1416		43.9	+33 13	10.4	G5
..		43.9	+30 36	11.0	F5
1364		43.9	+29 36	10.6	Ko
1453		43.9	+25 56	11.4	K5
1491		43.9	+22 40	10.7	A7
1492		43.9	+22 37	10.7	Go
1393		43.9	+21 49	11.0	A2
..		43.9	+20 34	10.4	A2
1584		43.9	+20 31	9.8	A3
..		43.9	+18 18	11.0	Go
..		43.9	+17 21	11.1	K5
..		43.9	+16 25	11.0	A5
1295		43.9	+16 21	10.8	G5
1331		43.9	+15 34	10.3	Go
..		43.9	+14 12	11.4	F2
1425		43.9	+13 45	10.4	F8
1307		43.9	+12 9	11.0	K5
..		43.9	+12 7	10.8	K5
..		43.9	+10 10	11.6	A
..		43.9	+ 8 37	11.7	A

$+3°.0$ to $+34°.0$

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1936AnHar.100....1C

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	43.9	+ 8 17	11.3	A	..	44.1	+28 59	11.6	G5	..	44.2	+ 5 36	11.2	Ko	1318	44.4	+11 25	10.2	K5
2	1464	43.9	+ 7 42	10.3	B9	1242	44.1	+27 23	11.4	K5	1429	44.2	+ 5 8	10.4	Go	*1319*	44.4	+10 59	9.6	G5
3	..	43.9	+ 7 34	11.4	G	..	44.1	+26 53	10.6	A7	1462	44.2	+ 4 11	11.0	Ko	..	44.4	+10 57	9.8	Ao
4	..	43.9	+ 7 28	10.6	A5	1455	44.1	+25 9	10.2	A7	..	44.2	+ 3 38	11.0	A7	1288	44.4	+10 55	9.0	F8
5	1391	43.9	+ 6 41	10.0	A3	..	44.1	+21 34	10.7	Fo	..	44.2	+ 3 20	11.6	Ao	..	44.4	+ 9 24	10.7	F5
6	..	43.9	+ 6 15	12.0	A	..	44.1	+20 36	11.5	Ao	..	44.2	+ 3 5	11.3	A7	1399	44.4	+ 9 1	10.7	G5
7	..	43.9	+ 5 48	11.0	B9	1495	44.1	+19 15	9.9	Fo	..	44.3	+34 12	10.4	F8	..	44.4	+ 8 56	10.3	A2
8	1427	43.9	+ 5 7	10.0	Fo	1493	44.1	+19 2	10.6	Go	..	44.3	+31 15	10.6	F5	1518	44.4	+ 8 22	10.9	A2
9	1459	43.9	+ 4 38	10.2	K5	1299	44.1	+16 24	10.2	Go	..	44.3	+31 1	11.6	F8	1470	44.4	+ 7 55	10.6	A2
10	..	43.9	+ 4 32	11.4	G5	1334	44.1	+15 4	10.5	Ko	1341	44.3	+30 27	10.6	Go	1468	44.4	+ 7 45	9.6	A5
11	1458	43.9	+ 4 10	11.0	K7	1455	44.1	+14 43	10.6	K7	1367	44.3	+29 45	10.4	A2	..	44.4	+ 7 29	11.4	Go
12	..	43.9	+ 3 24	11.1	A5	..	44.1	+10 31	11.0	A3	..	44.3	+29 41	10.3	Go	..	44.4	+ 7 14	11.4	G
13	..	43.9	+ 3 0	11.9	K5	1284	44.1	+10 11	10.0	A5	1368	44.3	+29 30	10.6	G5	1469	44.4	+ 7 3	10.2	F8
14	1417	44.0	+32 19	10.8	F2	1398	44.1	+ 9 1	11.0	G	..	44.3	+23 45	10.7	F8		44.4	+ 7 3		A3
15	1241	44.0	+27 26	11.5	K5	1512	44.1	+ 8 41	9.6	A2	..	44.3	+23 18	11.0	Fo	..	44.4	+ 6 58	10.5	A2
16	1366	44.0	+26 55	11.1	K2	..	44.1	+ 8 16	11.6	A	1586	44.3	+20 23	11.2	A	..	44.4	+ 6 49	11.2	A7
17	1454	44.0	+25 16	10.3	G5	1513	44.1	+ 8 11	11.0	K5		44.3	+20 23	11.0	A	1415	44.4	+ 3 26	11.6	Go
18	1416	44.0	+24 3	11.0	Go	..	44.1	+ 7 0	11.5	A	..	44.3	+19 41	11.5	A	..	44.4	+ 3 17	11.4	M
19	1394	44.0	+21 5	10.2	F5	1393	44.1	+ 6 13	10.8	Ao	..	44.3	+19 17	10.4	B8	..	44.5	+32 46	11.2	G5
20	..	44.0	+20 48	11.6	A	..	44.1	+ 6 6	11.4	Go	1364	44.3	+18 41	9.2	Ko	..	44.5	+31 6	11.6	Ko
21	*1363*	44.0	+17 59	9.4	A2	1428	44.1	+ 5 50	10.3	F8	..	44.3	+16 45	11.1	Ao	1370	44.5	+29 56	11.9	G5
22	1297	44.0	+16 40	11.1	K5	..	44.1	+ 5 34	12.0	A	..	44.3	+14 17	10.6	A2	1369	44.5	+29 34	10.9	Go
23	1333	44.0	+15 50	10.0	Ao	..	44.1	+ 5 9	11.6	A	..	44.3	+14 7	11.1	A5	..	44.5	+27 13	11.7	Go
24	1429	44.0	+13 46	10.0	G5	..	44.1	+ 4 22	11.5	K5	1431	44.3	+13 1	9.8	Ao	1369	44.5	+26 45	11.6	G5
25	..	44.0	+13 17	11.0	G5	1471	44.2	+34 15	10.4	Go	1287	44.3	+10 54	10.7	G5	..	44.5	+26 25	10.7	Fo
26	..	44.0	+13 8	11.2	Ao	..	44.2	+32 37	10.8	K2	1286	44.3	+10 51	10.0	A3	1456	44.5	+25 43	11.6	K7
27	1428	44.0	+13 0	10.6	Ao	1422	44.2	+31 35	10.7	K2	1515	44.3	+ 8 31	10.0	K5	1457	44.5	+25 35	11.3	K2
28	1308	44.0	+12 51	10.0	G5	1421	44.2	+31 30	9.7	M3	..	44.3	+ 8 14	10.6	B3	1396	44.5	+21 21	9.6	Go
29	1317	44.0	+11 16	11.4	K5	1340	44.2	+30 50	10.0	F2	1394	44.3	+ 6 37	10.4	Fo	..	44.5	+19 51	10.7	A5
30	..	44.0	+ 9 19	11.2	G	..	44.2	+30 35	11.7	F8	..	44.3	+ 5 8	11.4	G5	..	44.5	+19 23	10.2	Fo
31	..	44.0	+ 9 6	11.2	A3	..	44.2	+30 27	11.4	G5	1463	44.3	+ 4 27	9.3	B9	..	44.5	+18 37	11.0	Ao
32	..	44.0	+ 8 25	10.1	Fo	..	44.2	+28 32	11.2	F8	..	44.3	+ 4 1	11.3	Go	..	44.5	+17 44	11.0	Fo
33	..	44.0	+ 7 40	11.2	Ao	..	44.2	+28 15	12.2	Go	..	44.4	+33 40	10.1	B9	1412	44.5	+17 26	11.3	K7
34	1392	44.0	+ 6 35	9.8	Ao	1367	44.2	+26 0	11.0	G5	..	44.4	+33 31	10.9	A7	1336	44.5	+15 40	10.7	G5
35	..	44.0	+ 6 18	11.2	A5	..	44.2	+23 42	11.4	K5	1419	44.4	+32 2	9.8	F2	1457	44.5	+14 32	11.0	Ko
36	..	44.0	+ 6 8	11.8	F5	..	44.2	+20 6	11.6	M	1342	44.4	+30 27	11.7	G5	..	44.5	+13 54	10.8	A3
37	..	44.0	+ 5 36	12.1	G5	1585	44.2	+20 3	11.6	K7	..	44.4	+30 7	11.8	F8	1432	44.5	+13 17	9.8	Go
38	..	44.0	+ 5 22	11.4	Go	1494	44.2	+19 51	10.6	Go	1255	44.4	+28 2	11.6	K5	..	44.5	+11 1	11.1	Fo
39	..	44.0	+ 4 53	11.6	Go	..	44.2	+18 42	11.0	Go	1244	44.4	+27 45	10.8	F2	..	44.5	+ 9 51	11.0	Ao
40	..	44.0	+ 4 33	11.2	Ko	1407	44.2	+17 10	10.2	A2	1368	44.4	+26 1	11.1	K2	..	44.5	+ 8 59	10.6	F8
41	1460	44.0	+ 4 27	9.3	Ao	..	44.2	+15 6	11.0	F	1418	44.4	+24 33	11.2	Ao	..	44.5	+ 7 43	11.0	A3
42	1461	44.0	+ 4 24	9.8	B8	..	44.2	+15 4	11.0	A	..	44.4	+24 16	10.2	Go	..	44.5	+ 7 29	11.7	K5
43	..	44.0	+ 3 15	11.4	A	..	44.2	+11 57	10.8	B9	*1419*	44.4	+23 58	9.6	Ao	..	44.5	+ 6 32	10.9	Ao
44	..	44.1	+33 2	11.2	Ko	1285	44.2	+10 37	9.4	Ko	1395	44.4	+21 2	10.2	F2	1395	44.5	+ 6 11	10.4	A3
45	1419	44.1	+31 10	11.4	F5	..	44.2	+ 9 3	10.6	Fo	..	44.4	+20 14	11.4	Ao	..	44.5	+ 6 2	12.1	A
46		44.1	+31 10	11.6	F8	..	44.2	+ 9 1	10.6	A3	1497	44.4	+19 2	11.6	Go	..	44.5	+ 5 29	11.3	A
47	..	44.1	+31 3	11.4	G	1514	44.2	+ 8 55	9.8	A2	1366	44.4	+18 3	10.4	F2	1431	44.5	+ 5 3	11.0	Ko
48	..	44.1	+30 5	11.8	Ko	1516	44.2	+ 8 2	10.2	K5	1411	44.4	+17 30	11.0	Ko	*1430*	44.5	+ 4 58	10.4	F5
49	1365	44.1	+29 45	10.8	G5	1466	44.2	+ 7 9	10.8	Ko	1335	44.4	+15 6	10.6	Fo	1464	44.5	+ 4 21	10.4	A7
50	1366	44.1	+29 25	10.5	Ko	..	44.2	+ 6 19	11.0	B	..	44.4	+11 45	11.1	G	1416	44.5	+ 3 26	10.8	K5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	44.6	+34 36	11.6	G5	1413	44.7	+17 24	10.4	A5	..	44.8	+ 4 26	11.4	K5	1311	45.0	+12 31	10.0	A2
2	..	44.6	+33 11	11.4	Ko	1339	44.7	+15 52	11.0	K5	..	44.8	+ 4 12	11.8	K2	1312	45.0	+12 27	10.3	K2
3	1424	44.6	+31 50	11.7	K7	1338	44.7	+15 46	10.6	K2	1420	44.8	+ 3 51	10.2	Ao	1403	45.0	+ 9 49	10.2	Ao
4	..	44.6	+31 44	10.6	Go	1336a	44.7	+15 40	11.4	K7	1422	44.8	+ 3 9	9.6	F2	1402	45.0	+ 9 21	9.9	Ao
5	1423	44.6	+31 31	11.3	K5	1337	44.7	+15 19	11.6	K7	1421	44.8	+ 3 1	10.4	K2	..	45.0	+ 9 11	11.0	Ao
6	..	44.6	+31 14	11.0	Ko	1458	44.7	+14 31	11.0	F8	1422	44.9	+32 40	10.5	A2	..	45.0	+ 9 6	11.3	K7
7	..	44.6	+30 7	10.8	Go	1433	44.7	+13 15	10.4	F2	..	44.9	+32 12	11.3	F8	1524	45.0	+ 8 47	11.1	Go
8	1371	44.6	+29 23	11.6	Ko	..	44.7	+13 3	11.0	A3	1461	44.9	+25 22	10.0	Ao	..	45.0	+ 8 22	11.2	A2
9	1256	44.6	+28 51	11.5	K5	..	44.7	+12 28	11.0	A	..	44.9	+21 43	10.6	Go	..	45.0	+ 7 27	11.6	A5
10	..	44.6	+28 22	11.5	Fo	1321	44.7	+11 23	10.0	Ko	..	44.9	+21 27	11.3	F5	..	45.0	+ 7 3	11.6	A
11	1245	44.6	+27 28	10.0	A2	..	44.7	+10 50	11.0	Fo	..	44.9	+21 21	11.2	G	..	45.0	+ 6 53	11.6	A
12	1459	44.6	+25 23	9.8	Ko	1290	44.7	+10 6	10.1	A7	..	44.9	+21 14	11.2	Ao	1402	45.0	+ 6 41	9.6	B3
13	..	44.6	+24 36	10.2	Ko	..	44.7	+ 9 39	11.6	A	1588	44.9	+20 53	10.1	Go	1401	45.0	+ 6 8	11.2	K5
14	..	44.6	+22 46	10.6	F5	1519	44.7	+ 8 54	9.8	A3	..	44.9	+20 19	11.1	Fo	1436	45.0	+ 5 21	10.1	Go
15	..	44.6	+21 38	10.7	A7	1520	44.7	+ 8 43	11.2	Ko	..	44.9	+19 1	10.6	Ao	1470	45.0	+ 4 40	9.9	Fo
16	1367	44.6	+18 38	9.5	Ao	..	44.7	+ 8 22	12.2	K5	*1501*	44.9	+18 57	10.0	G5	..	45.0	+ 4 29	11.2	Go
17	1368	44.6	+18 37	9.0	Ko	1472	44.7	+ 7 42	9.9	B8	..	44.9	+18 39	10.6	Ao	..	45.0	+ 4 2	11.2	F2
18	..	44.6	+18 17	11.2	Go	1471	44.7	+ 7 25	9.4	B8	..	44.9	+17 32	11.0	G5	..	45.1	+32 53	11.3	K7
19	..	44.6	+17 38	10.2	Ao	..	44.7	+ 6 35	11.0	B	1414	44.9	+17 17	10.2	A3	1423	45.1	+32 32	10.6	F5
20	1302	44.6	+16 51	11.3	A3	..	44.7	+ 6 28	11.2	A	1415	44.9	+17 4	10.3	Ao	1248	45.1	+27 54	11.0	K5
21		44.6	+16 51	10.4	A2	1467	44.7	+ 4 24	10.1	B9	..	44.9	+14 27	11.0	A	..	45.1	+27 36	10.4	Go
22	..	44.6	+16 31	10.7	A2	1418	44.7	+ 3 54	11.2	Go	..	44.9	+14 6	10.8	A2	..	45.1	+27 33	11.4	Go
23	1301	44.6	+16 8	10.8	F2	1419	44.7	+ 3 35	9.8	B9	1324	44.9	+11 54	10.6	Fo	..	45.1	+27 23	11.4	G5
24	..	44.6	+14 25	11.1	G	..	44.7	+ 3 28	10.8	Ao	..	44.9	+10 42	10.0	Ao	..	45.1	+27 20	11.4	Go
25	..	44.6	+13 40	11.0	Fo	1472	44.8	+34 12	10.2	K2	..	44.9	+10 33	10.8	Ao	1462	45.1	+25 41	10.4	Ko
26	..	44.6	+11 52	10.9	F8	..	44.8	+33 37	11.2	Go	..	44.9	+ 9 36	10.9	F5	1421	45.1	+24 17	11.2	Ko
27	1320	44.6	+11 28	9.8	Ao	..	44.8	+31 39	10.6	A5	..	44.9	+ 9 3	11.3	A	..	45.1	+23 36	11.4	Ko
28	..	44.6	+10 42	11.0	F8	1344	44.8	+30 21	10.0	G5	1522	44.9	+ 8 22	11.0	Ko	1494	45.1	+22 18	11.0	Go
29	1289	44.6	+10 9	9.2	B8	1257	44.8	+28 3	11.0	Fo	*1523*	44.9	+ 7 59	11.2	Ao	1369	45.1	+18 6	10.6	Ao
30	..	44.6	+ 8 22	11.2	F5	1246	44.8	+27 27	11.0	Go	1473	44.9	+ 7 25	9.3	Ao		45.1	+18 6	10.8	Ao
31	..	44.6	+ 8 7	12.0	A	..	44.8	+26 47	11.6	Go	..	44.9	+ 7 15	11.4	A7	1416	45.1	+17 32	10.2	F5
32	..	44.6	+ 7 47	11.4	A2	..	44.8	+26 6	11.3	A	1400	44.9	+ 6 17	10.4	B9	..	45.1	+17 5	9.8	G5
33	1396	44.6	+ 6 20	10.8	A5	..	44.8	+23 14	11.6	G5	..	44.9	+ 5 24	11.0	Ko	..	45.1	+16 39	11.0	F8
34	..	44.6	+ 5 59	11.6	A	1511	44.8	+23 4	10.5	Ao	..	44.9	+ 5 9	11.6	A2	1305	45.1	+16 21	9.7	F8
35	..	44.6	+ 5 40	10.1	Go	1398	44.8	+21 1	10.2	Ao	..	44.9	+ 5 1	11.2	F2	1459	45.1	+14 39	9.7	B8
36	1432	44.6	+ 5 23	9.9	Go	..	44.8	+20 39	10.6	F5	..	44.9	+ 4 53	11.8	Ko	1314	45.1	+12 1	10.6	A3
37	1465	44.6	+ 4 40	9.7	Fo	..	44.8	+17 55	11.4	A	1469	44.9	+ 4 39	11.0	Fo	*1313*	45.1	+11 59	10.8	A7
38	..	44.6	+ 4 9	10.7	Ao	..	44.8	+16 34	10.9	A5		44.9	+ 4 39	10.8	Fo	1326	45.1	+11 3	9.2	F2
39	1417	44.6	+ 3 34	9.6	A7	..	44.8	+15 6	11.4	Ko	..	44.9	+ 4 34	11.1	G5	1476	45.1	+ 7 56	9.8	F5
40	..	44.7	+34 34	10.9	Ao	1323	44.8	+11 42	10.2	A2	1473	45.0	+34 18	11.2	K5	1474	45.1	+ 7 21	11.0	Ko
41	..	44.7	+31 20	11.9	F5	..	44.8	+11 1	10.4	Ao	..	45.0	+33 35	11.4	Ko	..	45.1	+ 6 55	11.5	Fo
42	1425	44.7	+31 6	9.6	Fo	1291	44.8	+10 50	8.9	F8	..	45.0	+31 44	10.4	Go	..	45.1	+ 6 43	11.0	B8
43	..	44.7	+30 49	11.0	F5	..	44.8	+10 22	10.6	A2	1373	45.0	+29 54	11.6	G5	..	45.1	+ 6 2	11.7	Fo
44	1343	44.7	+30 11	11.7	K5	1400	44.8	+ 9 12	11.2	K	..	45.0	+29 47	11.8	Go	..	45.1	+ 5 50	10.0	Ko
45	1372	44.7	+29 51	10.8	Go	1401	44.8	+ 9 1	10.2	A7	1375	45.0	+29 23	10.6	F8	1437	45.1	+ 5 40	9.6	B8
46	..	44.7	+27 53	11.8	F5	1521	44.8	+ 8 51	10.9	K5	1247	45.0	+27 37	11.4	Ko	..	45.1	+ 5 11	11.7	Ao
47	..	44.7	+26 8	11.4	G5	..	44.8	+ 6 53	11.7	F	1420	45.0	+24 20	11.2	G5	..	45.1	+ 5 1	11.0	Fo
48	1510	44.7	+23 23	9.8	Ao	1398	44.8	+ 6 45	10.2	A2	..	45.0	+21 12	11.6	A	..	45.1	+ 4 41	11.3	A2
49	1397	44.7	+21 54	11.4	Ko	1399	44.8	+ 6 7	11.2	K7	1304	45.0	+16 16	9.8	Ko	1471	45.1	+ 4 17	10.0	K5
50	..	44.7	+21 29	var.	Ao	1468	44.8	+ 4 53	11.0	Go	..	45.0	+14 36	10.4	A3	..	45.1	+ 3 41	11.2	Fo

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1423	45.1	+ 3 17	11.0	Ko	..	45.3	+14 15	10.2	A2	1506	45.5	+19 12	11.6	A	1429	45.6	+ 3 30	11.2	A2
2	..	45.2	+32 19	11.0	F8	..	45.3	+12 54	10.8	A2	1372	45.5	+18 47	10.4	F8	1428	45.6	+ 3 5	10.4	F2
3	1258	45.2	+28 13	10.7	Ko	..	45.3	+11 6	10.9	A2	1309	45.5	+16 56	10.9	Ko	..	45.7	+33 41	11.1	Go
4	1422	45.2	+24 13	10.4	Go	..	45.3	+ 9 55	11.4	A	1308	45.5	+16 9	9.8	Fo	1378	45.7	+29 37	11.2	F8
5	1495	45.2	+22 53	10.6	Go	..	45.3	+ 8 45	11.3	F8	1438	45.5	+13 56	10.2	G5	1260	45.7	+28 44	9.4	A3
6	..	45.2	+22 43	11.5	F8	1479	45.3	+ 7 50	10.4	A5	1318	45.5	+12 17	10.3	Go	..	45.7	+26 59	11.2	A2
7	..	45.2	+22 25	11.2	F8	..	45.3	+ 7 39	11.4	A	..	45.5	+11 40	11.0	Fo	1374	45.7	+26 24	10.0	F5
8	1400	45.2	+21 40	9.4	A3	1478	45.3	+ 7 30	10.7	A2	..	45.5	+11 37	11.2	Ao	1467	45.7	+25 48	10.1	F2
9	1592	45.2	+20 57	10.6	A3	..	45.3	+ 5 11	11.4	G	..	45.5	+10 32	10.9	F5	..	45.7	+23 41	11.4	F
10	..	45.2	+19 26	11.0	Go	..	45.3	+ 4 53	11.5	Fo	1292	45.5	+10 27	9.3	B5	1517	45.7	+23 13	12.1	K7
11	..	45.2	+19 21	10.5	Ao	..	45.3	+ 4 46	10.8	Fo	..	45.5	+ 9 55	11.2	K	..	45.7	+22 53	11.6	K7
12	1370	45.2	+18 21	10.7	G5	..	45.3	+ 4 37	11.0	Fo	1407	45.5	+ 9 22	10.9	Ao	..	45.7	+22 41	11.1	A7
13	1307	45.2	+16 43	10.1	K5	1425	45.3	+ 3 39	11.4	K5	1526	45.5	+ 8 52	10.6	A2	1408	45.7	+21 49	10.2	Fo
14	1306	45.2	+16 27	10.7	A3	1424	45.3	+ 3 29	11.2	Ao	1528	45.5	+ 8 21	10.8	A2	..	45.7	+21 36	10.8	Ko
15	1341	45.2	+15 55	9.7	A5		45.3	+ 3 29	11.3	Ao	1403	45.5	+ 6 50	11.0	Ko	1595	45.7	+20 11	10.4	F5
16	..	45.2	+14 52	10.8	A2	..	45.4	+33 38	10.2	F2	1427	45.5	+ 3 30	11.5	K2	..	45.7	+20 6	10.4	F8
17	..	45.2	+14 17	10.5	F2	1419	45.4	+33 9	11.2	Mo	..	45.5	+ 3 14	10.9	Fo	1374	45.7	+18 44	9.3	G5
18	1435	45.2	+13 54	10.0	K2	..	45.4	+30 58	11.7	F5	..	45.6	+34 30	11.5	K5	1310	45.7	+16 34	9.3	Fo
19	1436	45.2	+13 12	10.1	A2	..	45.4	+30 18	11.5	F5	1477	45.6	+34 16	9.7	A2	1311	45.7	+16 25	11.6	Mo
20	1316	45.2	+12 19	10.8	Ko	1346	45.4	+30 11	10.2	Go	..	45.6	+32 44	11.1	Fo	..	45.7	+13 17	11.2	A
21	..	45.2	+ 9 25	11.1	A	1249	45.4	+27 30	11.2	Ko	1426	45.6	+31 16	11.4	G5	..	45.7	+12 18	10.6	A
22	..	45.2	+ 8 58	11.3	A	..	45.4	+27 20	11.6	Fo	..	45.6	+29 58	11.8	G	1293	45.7	+10 49	9.1	B9
23	..	45.2	+ 8 41	11.5	A	..	45.4	+27 7	11.8	G5	1377	45.6	+29 3	11.4	F8	..	45.7	+ 9 32	10.9	B9
24	1477	45.2	+ 7 56	10.9	K5	..	45.4	+26 24	11.2	G5	1464	45.6	+25 51	10.0	Go	..	45.7	+ 8 3	11.3	K2
25	..	45.2	+ 7 46	10.8	F2	1425	45.4	+24 7	10.2	F8	1465	45.6	+25 10	9.0	F8	1482	45.7	+ 7 32	10.0	G
26	..	45.2	+ 7 36	11.2	Go	..	45.4	+23 31	10.8	G5	1426	45.6	+24 54	10.0	F2	1481	45.7	+ 7 28	9.6	B8
27	..	45.2	+ 7 27	11.6	A	..	45.4	+21 41	10.6	A7	1516	45.6	+23 22	9.8	Ao	1483	45.7	+ 7 20	10.6	G5
28	..	45.2	+ 7 8	11.8	A	1403	45.4	+21 1	10.0	G5	..	45.6	+21 42	10.3	F5	..	45.7	+ 7 11	10.4	A2
29	..	45.2	+ 4 1	11.4	F5	..	45.4	+20 47	11.3	G5	..	45.6	+21 30	10.6	Go	..	45.7	+ 5 21	11.0	Go
30	..	45.2	+ 3 36	11.4	F	1417	45.4	+17 14	11.1	Ko	1406	45.6	+21 20	10.0	Ao	..	45.7	+ 4 4	11.3	F2
31	1418	45.3	+33 54	10.7	K5	1437	45.4	+13 20	10.2	A3	1407	45.6	+21 3	9.6	Ao	..	45.7	+ 3 42	11.2	A2
32	..	45.3	+29 25	11.9	F5	1317	45.4	+12 21	10.0	A2	..	45.6	+20 52	11.4	G5	1431	45.7	+ 3 34	10.4	K5
33	1373	45.3	+26 48	9.1	Go	..	45.4	+11 6	11.0	Ao	1507	45.6	+19 47	10.3	A2	1430	45.7	+ 3 32	10.2	Fo
34	1372	45.3	+26 8	11.1	Ko	..	45.4	+10 30	11.0	Ao	..	45.6	+19 25	11.2	A2	..	45.8	+33 11	11.2	G5
35	1463	45.3	+25 47	11.0	G5	..	45.4	+10 19	11.2	Fo	1373	45.6	+18 42	9.2	Go	..	45.8	+32 31	11.3	Go
36	1423	45.3	+24 48	10.0	F8	..	45.4	+ 9 52	11.1	A	1418	45.6	+17 11	9.5	Ao	1348	45.8	+30 41	10.5	K5
37	..	45.3	+24 39	11.2	F5	1405	45.4	+ 9 45	9.6	A3	..	45.6	+14 46	11.2	Ko	1347	45.8	+30 29	10.8	K2
38	1514	45.3	+23 0	11.1	K5	1406	45.4	+ 9 31	10.5	G5	..	45.6	+12 22	11.2	A	..	45.8	+29 47	11.7	Go
39	..	45.3	+22 37	12.0	K5	..	45.4	+ 9 23	11.0	K2	..	45.6	+ 9 31	11.7	K7	..	45.8	+29 30	11.2	F5
40	..	45.3	+21 25	11.0	Ao	..	45.4	+ 9 3	11.2	Ao	1408	45.6	+ 9 6	11.1	A2	..	45.8	+27 48	11.4	F8
41	1401	45.3	+21 12	11.5	K2	..	45.4	+ 7 25	11.3	Ao	..	45.6	+ 8 44	11.9	A	1250	45.8	+27 38	9.4	Fo
42	1593	45.3	+20 37	10.6	Ko	..	45.4	+ 6 39	11.1	A3	1527	45.6	+ 8 30	11.0	F8	..	45.8	+23 24	11.0	F5
43	1504	45.3	+19 55	11.0	Go	1426	45.4	+ 3 34	10.2	A7	..	45.6	+ 7 43	11.2	A3	..	45.8	+23 17	11.5	A
44	..	45.3	+18 47	10.4	B9	1420	45.5	+33 48	10.2	F5	1480	45.6	+ 7 2	10.3	G5	..	45.8	+22 17	10.5	Ao
45	..	45.3	+16 14	11.0	Ko	..	45.5	+32 25	10.6	A2	..	45.6	+ 6 45	11.1	A5	1498	45.8	+22 5	10.8	F8
46	1345	45.3	+15 49	10.4	Go	..	45.5	+27 10	12.2	K2	..	45.6	+ 6 43	11.2	Ao	1410	45.8	+21 19	11.0	G5
47	1343	45.3	+15 39	10.2	Ao	1404	45.5	+21 10	10.0	Go	..	45.6	+ 6 32	11.3	F5	1409	45.8	+21 18	10.4	Go
48	*1344*	45.3	+14 59	10.2	Ao		45.5	+21 10		A2	1441	45.6	+ 5 20	10.0	A2	1596	45.8	+20 4	9.3	A2
49	..	45.3	+14 57	11.0	Go	1594	45.5	+20 57	10.4	K7	..	45.6	+ 5 14	10.9	G5	..	45.8	+19 41	10.5	A7
50	..	45.3	+14 28	10.4	A2	..	45.5	+19 40	10.8	A7	1472	45.6	+ 4 10	10.0	Fo	1375	45.8	+18 36	10.2	Ko

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$6^h\ 45^m.8$ to $6^h\ 46^m.4$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	45.8	+18 29	11.0	F8	1381	46.0	+29 21	10.7	G5	..	46.1	+19 31	11.1	Go	..	46.2	+ 7 6	10.5	A3
2	..	45.8	+16 13	10.6	Go	..	46.0	+28 12	11.6	G5	1510	46.1	+19 28	10.0	A2	1446	46.2	+ 5 33	9.6	K2
3	..	45.8	+15 34	11.2	Ko	..	46.0	+26 28	11.6	F2	*1512*	46.1	+18 59	10.8	Go	..	46.2	+ 5 21	11.3	G
4	1295	45.8	+10 45	9.3	B3	1471	46.0	+25 36	10.8	A	1377	46.1	+18 53	9.4	Ko	1445	46.2	+ 5 14	9.6	Go
5	..	45.8	+10 7	10.8	Ao	1472	46.0	+25 26	9.6	Ao	..	46.1	+18 24	10.8	K2	..	46.2	+ 5 6	11.4	Fo
6	1294	45.8	+10 2	10.9	Ko	1470	46.0	+25 3	10.0	Go	1424	46.1	+17 13	10.2	Ao	1473	46.2	+ 4 56	10.1	B8
7	1409	45.8	+ 9 23	9.8	F5	..	46.0	+23 39	11.2	A	..	46.1	+16 56	10.6	A2	1436	46.2	+ 3 55	9.8	Ao
8	1410	45.8	+ 9 9	9.0	Go	..	46.0	+23 23	11.2	A3	..	46.1	+16 39	11.0	A3	..	46.2	+ 3 10	10.4	A3
9	1529	45.8	+ 8 35	10.8	Ko	1499	46.0	+22 27	11.2	K5	1312	46.1	+16 8	10.0	F8	..	46.3	+34 23	11.2	F5
10	..	45.8	+ 8 29	11.6	G5	1599	46.0	+20 19	9.8	Go	..	46.1	+15 59	11.2	A3	..	46.3	+33 34	10.5	K2
11	1530	45.8	+ 8 1	10.0	Ko	1508	46.0	+19 25	11.2	K2	..	46.1	+12 18	11.4	A	..	46.3	+32 13	11.5	F8
12	1484	45.8	+ 7 46	9.6	F2		46.0	+19 25	10.5	Go	..	46.1	+ 9 44	11.4	A2	*1428*	46.3	+31 58	10.8	F5
13	..	45.8	+ 6 48	11.7	A	1376	46.0	+18 5	10.9	A5	..	46.1	+ 8 30	12.0	Ko	..	46.3	+31 46	10.8	A3
14	1442	45.8	+ 5 5	10.2	Go	..	46.0	+17 55	11.2	A2	..	46.1	+ 8 22	11.8	K2	..	46.3	+31 18	11.5	F5
15	1432	45.8	+ 3 7	10.0	Ao	*1423*	46.0	+16 59	10.2	Ko	..	46.1	+ 7 59	11.2	Ao	..	46.3	+30 1	10.9	F8
16	1433	45.8	+ 3 2	10.4	G5	..	46.0	+16 44	10.7	Ao	..	46.1	+ 6 54	11.2	A7	1378	46.3	+26 43	11.6	Go
17	1478	45.9	+34 13	10.8	F8	..	46.0	+16 2	11.2	Ao	..	46.1	+ 6 53	11.3	G	..	46.3	+21 43	11.1	Ao
18	..	45.9	+33 42	11.9	K5	1321	46.0	+12 29	9.7	B8	..	46.1	+ 5 22	10.6	A2	..	46.3	+21 5	11.3	F8
19	1424	45.9	+32 55	9.3	F2	1328	46.0	+11 43	11.2	K8	..	46.1	+ 4 44	11.0	F5	1603	46.3	+20 42	11.4	K7
20	1349	45.9	+30 47	10.5	Go	1298	46.0	+10 55	9.2	A2	1480	46.2	+34 35	10.8	K5	1604	46.3	+20 26	10.6	Go
21	..	45.9	+29 58	11.4	A5	1297	46.0	+10 34	9.6	B5	..	46.2	+33 0	11.5	Mo	1602	46.3	+20 5	9.2	Fo
22	..	45.9	+29 6	11.2	A5	..	46.0	+ 9 44	11.1	A2	1427	46.2	+32 51	11.2	Fo	1514	46.3	+19 9	9.6	A3
23	..	45.9	+28 9	11.4	Go	..	46.0	+ 9 36	11.4	K7	*1426*	46.2	+31 58	10.8	Go	1379	46.3	+18 35	10.2	Go
24	..	45.9	+27 54	11.4	F5	1413	46.0	+ 9 5	11.4	G5	..	46.2	+31 14	10.4	A2	..	46.3	+14 1	10.2	A3
25	..	45.9	+27 24	11.4	G5	..	46.0	+ 8 43	11.4	A	..	46.2	+30 7	11.2	Go	1323	46.3	+12 13	9.9	Ao
26	1376	45.9	+26 19	9.9	K7	..	46.0	+ 8 14	10.8	Ao	1263	46.2	+28 41	10.1	F5	1324	46.3	+12 11	10.0	A3
27	..	45.9	+22 39	11.5	A5	..	46.0	+ 7 41	11.4	A5	1261	46.2	+28 32	10.3	Go	1331	46.3	+11 29	11.1	K7
28	..	45.9	+22 5	10.8	F5	1486	46.0	+ 7 36	10.8	Go	1262	46.2	+28 0	11.4	K2	1300	46.3	+10 6	11.0	A3
29	1597	45.9	+20 43	10.9	K2	..	46.0	+ 6 32	11.2	Ao	..	46.2	+27 15	10.2	Fo	1418	46.3	+ 9 48	9.4	A3
30	..	45.9	+20 18	11.3	Ko	1407	46.0	+ 6 29	9.6	Fo	1473	46.2	+25 56	10.1	G5	1417	46.3	+ 9 43	10.6	K2
31	..	45.9	+19 10	11.6	K5	1444	46.0	+ 5 40	10.0	Fo	..	46.2	+25 43	10.3	F5	..	46.3	+ 8 46	11.6	F5
32	1421	45.9	+17 2	10.3	A7	1434	46.0	+ 3 12	10.2	Ko	..	46.2	+21 49	11.2	K2	..	46.3	+ 8 12	12.0	A
33	..	45.9	+16 7	10.7	Go	1479	46.1	+34 44	11.2	Go	..	46.2	+21 34	11.1	F8	1487	46.3	+ 7 13	9.8	B5
34	1440	45.9	+13 44	9.2	Bo	..	46.1	+32 53	11.4	K7	1412	46.2	+21 14	10.3	Ko	..	46.3	+ 7 11	11.0	A7
35	1441	45.9	+13 1	10.5	A2	1425	46.1	+32 43	9.9	A2	1600	46.2	+20 43	11.2	G5	1488	46.3	+ 7 4	10.7	Fo
36	1442	45.9	+13 0	10.0	A3	1427	46.1	+31 29	10.0	F5	..	46.2	+20 37	11.1	Go	..	46.3	+ 6 17	10.2	F8
37	..	45.9	+10 29	10.7	B9	1351	46.1	+30 22	11.0	F8	1601	46.2	+20 23	10.0	Ko	1410	46.3	+ 6 9	9.2	Go
38	1296	45.9	+10 9	9.6	A2	..	46.1	+30 20	11.4	Ko	..	46.2	+19 53	11.2	Go	..	46.3	+ 5 36	11.3	Go
39	..	45.9	+ 9 42	11.6	A	..	46.1	+29 31	11.4	Ao	1511	46.2	+19 44	10.4	F8	..	46.3	+ 3 32	10.2	Ao
40	1411	45.9	+ 9 35	11.1	K7	..	46.1	+29 26	11.2	F5	1513	46.2	+19 22	10.8	A5	*1482*	46.4	+33 58	10.8	G5
41	1412	45.9	+ 9 1	11.0	G5	..	46.1	+28 17	11.3	Go	1378	46.2	+18 3	10.0	A3	1429	46.4	+32 44	11.0	K2
42	..	45.9	+ 8 7	11.4	A	..	46.1	+27 52	11.4	G5	1425	46.2	+17 41	11.1	K5	..	46.4	+31 15	11.4	K2
43	..	45.9	+ 5 58	10.4	Ao	..	46.1	+27 20	11.6	Go	1463	46.2	+14 21	11.0	G5	..	46.4	+30 47	11.8	Ko
44	1443	45.9	+ 5 47	10.1	F2	*1251*	46.1	+26 59	11.8	K2	..	46.2	+14 8	11.1	Ao	..	46.4	+27 42	11.3	Go
45	..	45.9	+ 5 8	11.2	Ao	1377	46.1	+26 27	10.4	A3	..	46.2	+10 8	10.8	F5	1474	46.4	+25 42	10.7	K5
46	..	45.9	+ 3 54	11.6	F8	..	46.1	+25 36	10.2	F2	1416	46.2	+ 9 54	10.2	Ko	1429	46.4	+24 5	11.4	K2
47	..	46.0	+32 56	11.1	F8	..	46.1	+21 49	11.3	A	..	46.2	+ 9 14	10.5	Ao	..	46.4	+23 45	10.6	F8
48	1350	46.0	+30 29	11.1	Go	..	46.1	+20 41	11.6	A	*1415*	46.2	+ 8 58	10.4	Ko	1413	46.4	+21 37	9.7	G5
49	1379	46.0	+29 55	11.1	G5	..	46.1	+20 14	11.6	F2	..	46.2	+ 8 27	10.7	A2	1414	46.4	+21 2	11.2	A3
50	1380	46.0	+29 50	10.8	F5	1509	46.1	+19 47	9.0	Ko	..	46.2	+ 7 18	11.5	A2	1605	46.4	+20 42	10.6	K2

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	46.4	+20 11	10.5	Fo	1476	46.6	+25 48	10.2	K5	1439	46.7	+ 3 49	11.3	Mo	..	46.9	+12 32	10.8	A5
2	..	46.4	+19 12	10.8	F2	1477	46.6	+25 17	11.0	A	1440	46.7	+ 3 27	10.6	B9	1330	46.9	+12 19	9.8	Go
3	..	46.4	+18 44	11.2	Ao	..	46.6	+24 21	11.5	A	..	46.7	+ 3 9	10.4	F8	1329	46.9	+12 1	10.0	K2
4	1380	46.4	+18 25	10.3	A2	1519	46.6	+23 55	10.6	B9	..	46.8	+33 24	10.6	F5	1334	46.9	+11 26	10.4	Ko
5	1464	46.4	+14 13	10.0	B9	..	46.6	+20 47	10.6	Ao	..	46.8	+27 13	11.6	G5	..	46.9	+10 50	11.5	A
6	1443	46.4	+13 18	10.8	K5	..	46.6	+20 21	11.6	Ko	1381	46.8	+26 35	10.8	K5	..	46.9	+ 9 42	12.2	K7
7	1444	46.4	+13 18	10.2	Ko	1515	46.6	+19 40	10.7	Ko	1480	46.8	+25 33	10.0	Go	1538	46.9	+ 8 48	10.3	Go
8	1332	46.4	+11 39	9.6	Fo	..	46.6	+18 39	11.2	Go	..	46.8	+24 45	10.7	Go		46.9	+ 8 48		A3
9	..	46.4	+10 52	11.4	F	..	46.6	+18 18	11.6	M	1431	46.8	+24 1	11.0	Ko	1540	46.9	+ 8 13	9.7	Ko
10	..	46.4	+ 6 18	11.3	F5	..	46.6	+17 35	11.2	K2	..	46.8	+23 28	10.8	F5	1539	46.9	+ 8 9	9.8	F5
11	..	46.4	+ 6 3	11.6	A	1316	46.6	+16 52	9.8	F5	1607	46.8	+20 49	10.3	A7	..	46.9	+ 8 3	10.5	A2
12	1447	46.4	+ 5 53	10.4	Ko	1446	46.6	+13 35	9.9	Ao	..	46.8	+20 19	11.4	F8	1491	46.9	+ 7 41	10.2	K2
13	..	46.4	+ 5 1	10.9	Go	1326	46.6	+12 27	10.4	A2	1516	46.8	+19 19	10.7	F5	..	46.9	+ 7 33	11.6	F8
14	..	46.4	+ 3 48	10.9	A2	1327	46.6	+12 18	10.3	K7	1428	46.8	+17 48	10.1	G5	..	46.9	+ 7 15	12.0	A
15	1483	46.5	+34 30	10.1	F8	..	46.6	+12 7	11.0	F2	1317	46.8	+16 7	10.0	K2	..	46.9	+ 6 20	11.4	A2
16	..	46.5	+34 11	11.4	A3	..	46.6	+11 43	11.2	F	1350	46.8	+15 15	10.0	A3	..	46.9	+ 5 8	11.6	A
17	1352	46.5	+30 21	10.4	M2	1303	46.6	+10 55	9.4	F8	1467	46.8	+14 49	10.6	A2	1477	46.9	+ 4 12	9.5	B8
18	..	46.5	+29 22	11.8	Go	..	46.6	+10 26	10.9	A2	1469	46.8	+14 46	11.2	A5	..	46.9	+ 3 34	11.1	A2
19	..	46.5	+29 21	11.6	Go	..	46.6	+ 9 5	12.0	A	1468	46.8	+14 34	10.5	Go	1441	46.9	+ 3 2	10.4	Ao
20	1384	46.5	+29 3	11.4	Go	1535	46.6	+ 8 55	10.9	K5	..	46.8	+13 29	10.1	A2	1431	47.0	+31 35	10.7	Fo
21	1264	46.5	+28 6	11.1	G5	..	46.6	+ 8 48	10.6	F5	..	46.8	+13 27	10.4	G5	1430	47.0	+31 6	11.4	F8
22	1381	46.5	+18 44	10.2	Ao	..	46.6	+ 8 9	11.2	A5	..	46.8	+12 50	11.4	A	1268	47.0	+28 20	9.6	A3
23	1426	46.5	+17 4	10.4	F5	..	46.6	+ 5 27	11.6	K5	..	46.8	+12 29	10.8	F5	..	47.0	+24 20	10.2	Go
24	..	46.5	+16 38	10.8	Go	1438	46.6	+ 3 41	9.6	F8	..	46.8	+10 57	11.8	A	1434	47.0	+24 16	11.2	Ko
25	1465	46.5	+14 23	10.0	F5	1484	46.7	+34 39	9.4	F8	..	46.8	+10 25	11.2	G5	*1433*	47.0	+23 59	10.0	F8
26	..	46.5	+12 37	10.6	A3	..	46.7	+33 40	11.9	K7	1419	46.8	+ 9 19	11.2	Ko	..	47.0	+23 3	10.3	A5
27	..	46.5	+10 47	10.8	A2	..	46.7	+33 38	10.0	A3	..	46.8	+ 8 50	11.2	Ao	1503	47.0	+22 49	9.8	F5
28	1302	46.5	+10 33	9.6	A7	1388	46.7	+29 40	11.4	K7	..	46.8	+ 8 35	11.0	Go	1502	47.0	+22 35	10.2	A7
29	..	46.5	+10 26	11.0	A3	1266	46.7	+28 50	9.2	F5	..	46.8	+ 7 56	11.4	F5	..	47.0	+21 27	11.4	A
30	..	46.5	+ 9 34	11.2	A7	..	46.7	+27 51	11.3	Ko	*1490*	46.8	+ 6 59	9.8	Ao	..	47.0	+21 8	11.2	F8
31	..	46.5	+ 9 23	10.8	A2	..	46.7	+27 40	11.2	A3	..	46.8	+ 4 48	11.0	G5	1383	47.0	+18 25	9.4	Go
32	..	46.5	+ 8 58	11.2	G	1252	46.7	+27 36	9.6	Go	1485	46.9	+34 21	10.8	F5	..	47.0	+16 33	11.0	Fo
33	1532	46.5	+ 8 49	10.7	Go	1380	46.7	+26 32	10.2	K5	..	46.9	+34 0	11.1	Ao	*1352*	47.0	+14 59	10.3	B9
34	1534	46.5	+ 8 26	9.6	F8	1500	46.7	+22 22	10.4	F8	..	46.9	+33 17	10.9	F2	..	47.0	+12 11	11.0	Ao
35		46.5	+ 8 26		A3	*1606*	46.7	+19 58	10.3	F5	..	46.9	+33 9	11.4	A7	..	47.0	+10 59	10.2	B9
36	1536	46.5	+ 8 24	9.8	A3	..	46.7	+19 12	11.6	F5	1429	46.9	+31 10	11.8	Ko	1421	47.0	+ 9 44	11.4	K5
37	..	46.5	+ 5 46	10.2	B9	1382	46.7	+18 16	9.3	A2	..	46.9	+31 4	11.2	F2	1420	47.0	+ 9 34	10.4	F8
38	..	46.5	+ 5 41	10.4	B3	1427	46.7	+17 17	9.8	F8	1267	46.9	+28 53	9.4	G5	..	47.0	+ 9 25	11.0	Ao
39	1449	46.5	+ 5 39	10.7	K7	..	46.7	+14 11	10.2	Ao	..	46.9	+27 10	11.3	Ao	..	47.0	+ 7 46	11.0	Ko
40	..	46.5	+ 5 19	10.6	Go	..	46.7	+12 59	11.0	F	1253	46.9	+27 3	10.4	K2	1492	47.0	+ 7 19	10.2	A2
41	..	46.5	+ 4 3	10.3	Ao	..	46.7	+12 43	11.2	A5	1481	46.9	+25 12	10.4	K5	..	47.0	+ 6 10	11.3	A3
42	..	46.6	+34 30	11.4	G	1328	46.7	+12 25	10.8	K5	1432	46.9	+24 35	11.4	F8	..	47.0	+ 6 7	11.5	K
43	..	46.6	+34 12	11.1	A2	..	46.7	+10 3	10.9	Ao	1430	46.9	+24 28	11.6	Ko	..	47.0	+ 5 17	10.8	Ao
44	..	46.6	+33 22	10.8	F2	..	46.7	+ 9 56	10.6	A5	1521	46.9	+23 33	10.4	F8	1450	47.0	+ 5 5	11.4	Ko
45	1428	46.6	+31 35	9.7	Go	..	46.7	+ 9 30	11.4	Fo	..	46.9	+23 9	10.4	A3	1478	47.0	+ 4 13	10.2	A2
46	1386	46.6	+29 47	10.6	G5	..	46.7	+ 9 3	11.3	A	*1522*	46.9	+22 58	9.6	F8	..	47.0	+ 3 34	11.4	Ao
47	1387	46.6	+29 12	11.1	Go	1537	46.7	+ 8 32	11.1	Ao	1501	46.9	+22 22	10.2	A5	..	47.1	+32 22	11.4	Go
48	1265	46.6	+28 5	10.1	Fo	..	46.7	+ 7 50	11.2	F8	..	46.9	+19 13	11.6	K7	..	47.1	+31 17	10.7	A7
49	..	46.6	+27 59	11.3	G5	1489	46.7	+ 7 38	11.6	K2	..	46.9	+19 7	11.6	A	..	47.1	+31 3	11.6	A7
50	1379	46.6	+26 54	10.4	Ao	1412	46.7	+ 6 54	10.2	B9	..	46.9	+17 23	11.2	K7	1355	47.1	+30 53	12.0	Ko

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1389	47.1	+29 41	10.4	Mo	1422	47.2	+ 9 6	12.2	K5	1418	47.4	+21 34	9.6	Ao	..	47.5	+16 29	10.9	Ao
2	..	47.1	+25 18	10.8	Fo	..	47.2	+ 8 27	10.2	F2	1520	47.4	+19 50	10.4	Go	..	47.5	+13 2	11.0	F8
3	*1504*	47.1	+21 57	11.0	F8	..	47.2	+ 8 24	11.5	A5	1388	47.4	+18 54	11.2	Ko	..	47.5	+12 28	11.0	F
4	1415	47.1	+21 40	10.4	Ko	..	47.2	+ 6 24	11.4	Fo	..	47.4	+18 3	11.0	K5	..	47.5	+12 10	11.2	A
5	..	47.1	+21 14	11.6	A3	1451	47.2	+ 5 16	9.2	B2	..	47.4	+17 51	11.0	Go	..	47.5	+10 39	11.4	K5
6	1384	47.1	+18 52	10.0	Ao	1481	47.2	+ 4 19	11.0	A3	..	47.4	+17 2	11.4	K7	..	47.5	+10 24	11.6	K2
7	..	47.1	+17 14	11.6	Mo	1480	47.2	+ 4 14	9.4	A3	..	47.4	+16 59	10.0	F8	1423	47.5	+ 9 48	9.6	Ao
8	..	47.1	+17 9	10.6	Go	*1479*	47.2	+ 3 59	10.6	Fo	..	47.4	+16 37	11.0	Ao	..	47.5	+ 9 40	10.1	B8
9	..	47.1	+17 4	11.4	G5	..	47.3	+33 5	11.4	Fo	1357	47.4	+15 38	9.5	Ao	..	47.5	+ 8 51	12.0	F2
10	..	47.1	+16 3	10.6	A5	1432	47.3	+32 14	10.3	Go	1475	47.4	+14 53	9.7	B9	..	47.5	+ 7 48	11.2	Go
11	1449	47.1	+13 38	10.4	K5	..	47.3	+30 27	11.1	A7	1474	47.4	+14 17	10.7	Mo	1494	47.5	+ 7 28	10.2	Fo
12	1450	47.1	+13 18	10.8	G5	1390	47.3	+29 17	10.6	A7	1451	47.4	+13 33	10.6	A2	..	47.5	+ 6 26	11.0	A2
13	1331	47.1	+12 6	10.9	Ko	..	47.3	+28 52	10.5	Go	1332	47.4	+12 18	10.3	Ao	1455	47.5	+ 5 44	10.1	Go
14	1338	47.1	+11 56	10.0	B9	..	47.3	+28 45	11.7	Ko	..	47.4	+11 59	11.2	F5	1454	47.5	+ 5 29	9.7	G5
15	..	47.1	+11 38	10.9	F	1483	47.3	+25 47	10.1	Go	1340	47.4	+11 21	9.6	Fo	..	47.5	+ 5 19	10.4	Go
16	1337	47.1	+11 35	10.6	F2	1525	47.3	+23 15	10.3	K7	1306	47.4	+10 50	11.0	K2	..	47.5	+ 4 59	11.2	Fo
17	1336	47.1	+11 26	10.0	K2	1524	47.3	+23 9	11.4	K5	..	47.4	+10 22	11.2	F5	..	47.5	+ 4 40	11.2	F8
18	..	47.1	+10 1	11.2	A5	1506	47.3	+22 16	9.6	Mo	..	47.4	+10 8	11.8	K5	1446	47.5	+ 3 21	10.1	Fo
19	..	47.1	+ 9 2	10.8	Fo	1505	47.3	+22 8	9.8	G5	..	47.4	+10 3	11.2	Go	*1488*	47.6	+33 58	9.6	Fo
20	..	47.1	+ 8 25	11.5	K7	..	47.3	+20 44	11.3	Go	..	47.4	+ 9 32	10.0	B8	..	47.6	+33 16	11.0	F8
21	..	47.1	+ 7 48	10.8	A2	..	47.3	+20 36	10.8	Fo	..	47.4	+ 9 15	11.4	Fo	..	47.6	+31 47	11.5	G5
22	1415	47.1	+ 6 41	10.4	A2	1610	47.3	+20 1	9.2	A2	..	47.4	+ 7 37	11.4	Ao	1392	47.6	+29 42	10.4	Go
23	..	47.1	+ 5 54	10.9	A3	1518	47.3	+19 42	10.8	Mo	..	47.4	+ 7 8	11.3	A3	*1383*	47.6	+25 59	9.5	Ao
24	..	47.1	+ 5 41	11.6	A	1387	47.3	+18 25	9.6	G5	..	47.4	+ 6 36	10.7	A2	..	47.6	+23 58	9.8	Ao
25	..	47.1	+ 4 28	11.4	G	1386	47.3	+18 17	9.4	Ao	1452	47.4	+ 5 53	9.4	Ao	1527	47.6	+23 40	9.4	Fo
26	1442	47.1	+ 3 50	9.4	A5	..	47.3	+17 42	11.0	A5	1453	47.4	+ 5 17	9.4	Ao	1528	47.6	+23 13	10.1	F5
27	..	47.1	+ 3 21	11.4	Ao	..	47.3	+16 10	10.9	Ao	1483	47.4	+ 4 43	10.4	K2	1612	47.6	+20 25	10.5	K5
28	1486	47.2	+34 18	10.3	F2	..	47.3	+16 5	10.8	F8	1444	47.4	+ 3 38	10.4	F2	..	47.6	+19 45	11.2	K2
29	1425	47.2	+33 30	10.2	Go	1356	47.3	+15 45	10.3	Ko	..	47.4	+ 3 30	10.6	Fo	..	47.6	+17 26	10.6	A7
30	1426	47.2	+33 3	10.3	K5	1473	47.3	+14 53	9.9	B9	..	47.5	+32 54	10.8	F5	..	47.6	+17 9	10.9	Go
31	..	47.2	+32 9	11.8	G5	1472	47.3	+14 50	10.0	Ao	..	47.5	+32 9	10.8	F2	..	47.6	+15 53	10.8	Ko
32	..	47.2	+32 2	11.7	K7	1339	47.3	+11 49	10.6	Go	..	47.5	+31 9	11.6	G5	..	47.6	+13 23	11.4	A
33	..	47.2	+25 0	11.8	G	..	47.3	+10 36	11.0	Go	..	47.5	+30 55	11.6	A7	1333	47.6	+12 7	10.4	K5
34	..	47.2	+24 16	11.2	G5	1305	47.3	+10 27	10.3	F5	..	47.5	+30 12	12.0	F8	1309	47.6	+10 48	10.6	G5
35	..	47.2	+22 53	11.2	A7	..	47.3	+10 21	11.1	A2	..	47.5	+29 44	11.8	Fo	1308	47.6	+10 36	9.3	G5
36	..	47.2	+22 16	10.8	F5	1304	47.3	+10 8	10.0	A2	1269	47.5	+28 55	10.0	A2	..	47.6	+10 26	11.2	G5
37	1417	47.2	+21 27	9.7	Go	..	47.3	+10 5	10.8	Go	1270	47.5	+28 35	10.2	Fo	1307	47.6	+10 0	10.6	B9
38	*1416*	47.2	+20 59	11.2	Ko	..	47.3	+ 9 30	10.8	F5	..	47.5	+28 10	11.4	A5	..	47.6	+ 9 34	11.2	F2
39	..	47.2	+20 49	11.8	A	1542	47.3	+ 8 49	9.8	K5	..	47.5	+28 9	11.4	Fo	..	47.6	+ 9 1	11.2	Ko
40	1609	47.2	+20 23	10.2	F8	..	47.3	+ 8 43	9.9	Ao	1255	47.5	+27 42	10.0	A5	..	47.6	+ 8 52	11.3	A2
41	1517	47.2	+19 45	10.3	F2	..	47.3	+ 7 50	10.8	A3	..	47.5	+27 30	11.4	G5	..	47.6	+ 8 46	10.9	A3
42	1385	47.2	+18 6	11.1	K5	..	47.3	+ 7 3	11.7	F	1382	47.5	+26 49	11.3	K5	1545	47.6	+ 8 33	9.4	B9
43	1318	47.2	+16 23	10.2	Ko	1482	47.3	+ 4 56	11.6	Ko	1435	47.5	+24 0	10.6	F8	1546	47.6	+ 8 13	10.4	F2
44	1354	47.2	+15 51	10.9	G5	1443	47.3	+ 3 33	10.4	A2	1507	47.5	+22 12	10.2	Ko	..	47.6	+ 7 56	11.4	A
45	1355	47.2	+15 19	10.4	F2	..	47.4	+31 48	11.3	A2	1420	47.5	+21 39	10.0	G5	..	47.6	+ 7 31	11.8	G
46	..	47.2	+14 57	11.0	A	1432	47.4	+31 7	10.0	Ao	1421	47.5	+21 4	10.6	Ko	..	47.6	+ 7 3	11.6	A2
47	..	47.2	+14 45	11.1	Ao	..	47.4	+28 48	11.6	Ao	..	47.5	+18 7	10.8	A7	..	47.6	+ 6 8	11.0	Go
48	1471	47.2	+14 30	10.6	A3	1526	47.4	+23 44	11.0	Ko	1430	47.5	+17 19	10.4	F8	1418	47.6	+ 6 1	9.6	Ao
49	..	47.2	+12 31	10.6	Ao	..	47.4	+23 26	10.4	Ao	1429	47.5	+17 17	10.6	Mo	..	47.6	+ 5 40	11.4	G5
50	..	47.2	+10 45	11.4	K	..	47.4	+23 3	10.2	F5	..	47.5	+16 46	11.0	A5	1456	47.6	+ 5 3	11.4	K5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1484	47.6	+ 4 39	10.1	A2	..	47.8	+10 25	11.4	K7	..	48.0	+ 5 18	10.8	A3	1363	48.2	+15 3	9.6	B9
2	1485	47.6	+ 4 5	10.4	K5	1426	47.8	+ 9 22	10.4	Fo	..	48.1	+34 33	11.5	F8	1457	48.2	+13 56	10.8	K2
3	..	47.6	+ 3 24	11.5	F	1420	47.8	+ 6 46	10.8	A5	..	48.1	+33 30	11.5	Go	1458	48.2	+13 31	9.2	A2
4	..	47.7	+31 36	11.3	Go	..	47.8	+ 6 38	11.0	A	..	48.1	+32 26	10.5	F8	..	48.2	+13 29	10.9	A3
5	1436	47.7	+24 56	10.2	F5	..	47.8	+ 6 1	11.4	Ao	..	48.1	+32 14	10.6	Ao	1455	48.2	+13 17	11.2	K5
6	1531	47.7	+23 40	10.4	A3	1458	47.8	+ 5 2	11.4	K7	..	48.1	+31 0	11.6	F5	1456	48.2	+13 7	10.0	A7
7	1529	47.7	+23 1	9.8	Ko	..	47.9	+33 12	11.2	Go	*1435*	48.1	+30 57	11.6	Go	1346	48.2	+11 2	10.8	Ko
8	..	47.7	+19 4	10.8	F8	..	47.9	+32 20	11.4	F8	1394	48.1	+29 12	9.4	F5	*1347*	48.2	+10 58	11.0	G5
9	..	47.7	+18 47	11.1	Ko	..	47.9	+30 7	10.8	Fo	..	48.1	+27 43	10.9	Ao	1499	48.2	+ 7 42	11.6	A5
10	..	47.7	+17 45	11.3	Ko	..	47.9	+29 47	11.6	Fo	1386	48.1	+26 6	11.4	Mo	..	48.2	+ 7 23	11.7	A7
11	..	47.7	+16 26	11.5	Mo	1393	47.9	+29 34	10.5	Fo	1385	48.1	+26 0	9.8	A2	..	48.2	+ 5 47	10.4	A2
12	1321	47.7	+16 13	9.3	Go	1272	47.9	+28 52	9.4	A2	1487	48.1	+25 37	10.2	Ko	..	48.2	+ 5 16	11.4	Ko
13	..	47.7	+15 33	11.2	F8	..	47.9	+28 25	11.3	F2	1488	48.1	+25 9	10.2	A5	1488	48.2	+ 4 50	10.1	A5
14	1341	47.7	+11 47	10.6	Ao	..	47.9	+24 5	10.2	F2	1444	48.1	+24 53	9.8	A2	..	48.2	+ 3 32	11.6	Fo
15	1425	47.7	+ 9 16	11.2	K2	1441	47.9	+24 0	9.0	Go	1445	48.1	+24 52	10.1	A2	1489	48.3	+34 35	10.0	A3
16	..	47.7	+ 9 4	11.4	A	..	47.9	+23 56	11.0	A7	..	48.1	+24 32	11.2	G5	..	48.3	+33 23	11.4	Ko
17	..	47.7	+ 8 30	10.7	A3	1532	47.9	+23 26	10.1	K2	..	48.1	+24 28	10.4	Go	..	48.3	+33 15	11.7	K5
18	..	47.7	+ 8 9	11.3	G5	..	47.9	+23 22	11.0	K5	..	48.1	+23 50	11.2	G5	1356	48.3	+30 43	11.6	K5
19	..	47.7	+ 6 33	11.6	A	1424	47.9	+21 11	9.8	F8	..	48.1	+19 0	10.3	A3	1396	48.3	+29 47	10.7	Go
20	..	47.7	+ 6 26	11.0	Ao	1522	47.9	+19 35	11.4	K5	..	48.1	+18 43	11.5	K7	..	48.3	+29 0	11.4	Fo
21	..	47.7	+ 5 16	11.4	Go	1322	47.9	+16 8	11.4	K5	..	48.1	+17 58	11.1	A5	..	48.3	+27 46	11.7	A
22	1457	47.7	+ 5 6	11.1	Go	..	47.9	+13 2	11.2	A	*1433*	48.1	+16 59	9.4	B9	..	48.3	+27 13	10.8	G5
23	..	47.7	+ 4 34	11.0	A2	..	47.9	+11 45	10.2	A3	1360	48.1	+15 43	10.2	Ko	..	48.3	+25 42	11.0	G5
24	1486	47.7	+ 4 6	9.4	B9	..	47.9	+10 10	11.0	A2	1361	48.1	+15 24	10.0	Go	1449	48.3	+24 28	9.8	Ko
25	..	47.7	+ 3 30	11.2	A5	1547	47.9	+ 8 16	9.9	Ko	..	48.1	+14 26	10.8	A3	1512	48.3	+22 57	9.8	G5
26	..	47.7	+ 3 0	10.4	Ao	..	47.9	+ 8 10	10.8	A5	*1476*	48.1	+13 57	9.8	Ao	1616	48.3	+20 32	10.0	A7
27	..	47.8	+33 26	11.5	F8	..	47.9	+ 8 0	11.2	Ao	..	48.1	+13 52	11.5	G5	..	48.3	+19 13	11.2	Go
28	1436	47.8	+32 34	10.2	K2	..	47.9	+ 7 57	11.6	A	..	48.1	+10 42	10.2	G5	1436	48.3	+17 55	11.0	G5
29	..	47.8	+28 16	11.2	A3	1496	47.9	+ 7 48	11.0	Mo	1427	48.1	+ 9 56	9.8	A3	1437	48.3	+17 9	10.6	A5
30	1256	47.8	+27 25	9.8	Go	..	47.9	+ 7 34	11.4	A2	1498	48.1	+ 7 55	12.0	A3	..	48.3	+17 7	11.1	K7
31	..	47.8	+26 36	11.4	A5	1422	47.9	+ 6 29	11.2	Go	..	48.1	+ 7 27	11.2	F8	..	48.3	+15 17	11.2	Ao
32	1437	47.8	+24 53	9.8	F8	..	47.9	+ 5 34	11.4	A	..	48.1	+ 7 10	11.6	A3	..	48.3	+14 59	10.8	B9
33	1438	47.8	+24 53	9.8	Ao	1459	47.9	+ 5 0	9.9	A2	1461	48.1	+ 5 41	10.4	Ao	..	48.3	+14 3	11.2	Ko
34	..	47.8	+23 4	11.4	K7	..	48.0	+34 25	10.8	A7	1487	48.1	+ 4 13	9.4	Fo	1335	48.3	+12 27	9.6	B8
35	1509	47.8	+22 38	10.8	Go	..	48.0	+31 36	11.1	Ko	..	48.2	+34 35	12.0	K5	..	48.3	+11 54	11.2	Ao
36	1423	47.8	+21 19	10.4	K2	..	48.0	+27 12	10.8	Ko	..	48.2	+34 24	10.6	F8	1348	48.3	+11 27	10.8	K2
37	..	47.8	+20 51	11.2	G	1486	48.0	+25 3	11.4	K5	..	48.2	+33 27	11.1	A3	1313	48.3	+10 45	11.2	K7
38	1390	47.8	+18 45	10.2	Ao	1443	48.0	+24 47	10.0	Go	*1429*	48.2	+32 59	9.8	Ko	..	48.3	+10 32	10.8	Go
39	1389	47.8	+18 32	10.8	Go	1446	48.0	+24 15	11.1	F5	1395	48.2	+29 4	10.2	K5	..	48.3	+10 24	12.2	K
40	..	47.8	+17 37	11.3	Ao	1425	48.0	+21 1	9.5	Fo	..	48.2	+28 34	11.8	F5	..	48.3	+ 9 39	11.4	F
41	..	47.8	+17 35	11.8	Mo	1523	48.0	+19 57	10.1	Go	..	48.2	+28 1	11.4	F8	..	48.3	+ 8 19	10.8	A2
42	*1431*	47.8	+16 59	10.3	F8	1391	48.0	+18 5	10.5	Go	1257	48.2	+27 48	11.7	B9	1424	48.3	+ 6 57	10.1	Ko
43	..	47.8	+16 42	10.7	A5	1432	48.0	+17 7	10.2	Ao	..	48.2	+26 50	11.0	Ao	..	48.3	+ 6 7	11.0	B9
44	..	47.8	+16 2	10.6	Ao	1453	48.0	+13 29	10.3	K2	1489	48.2	+25 22	10.2	A2	..	48.3	+ 5 56	11.4	G
45	..	47.8	+15 45	11.0	Ko	1454	48.0	+13 9	9.8	Go	1447	48.2	+24 44	10.0	Fo	..	48.3	+ 5 8	11.0	Go
46	..	47.8	+12 34	10.8	G	..	48.0	+10 30	11.0	Go	..	48.2	+24 35	10.7	G	..	48.3	+ 4 5	10.2	Ao
47	1334	47.8	+12 10	10.0	A2	1548	48.0	+ 8 28	11.0	Ao	1448	48.2	+24 17	9.7	A2	..	48.3	+ 4 0	10.4	Ao
48	1343	47.8	+11 54	11.2	G5	1497	48.0	+ 7 25	10.9	F5	1511	48.2	+22 10	10.3	G5	..	48.3	+ 3 18	11.1	F8
49	1342	47.8	+11 40	11.4	Ko	..	48.0	+ 6 16	11.6	A	1435	48.2	+17 45	9.8	K2	1447	48.3	+ 3 7	10.2	F5
50	1311	47.8	+10 55	9.6	Ko	..	48.0	+ 5 55	11.6	A2	1362	48.2	+15 47	10.5	F5	..	48.4	+31 27	10.7	F2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1436	48.4	+31 22	10.9	Ko	1501	48.5	+ 7 13	11.0	Ko	1262	48.7	+27 17	11.2	Ko	1492	48.9	+25 40	9.8	Ko
2	1437	48.4	+31 15	10.5	Ko	1425	48.5	+ 6 36	11.2	K5	1536	48.7	+23 50	11.0	Ko	..	48.9	+25 34	11.4	G5
3	..	48.4	+31 0	11.0	A3	..	48.5	+ 6 15	10.9	A	..	48.7	+23 45	10.8	Ao	1493	48.9	+25 1	10.8	F5
4	1259	48.4	+27 11	10.3	Ko	1492	48.5	+ 4 51	9.3	Fo	..	48.7	+23 9	10.2	Go	1538	48.9	+23 43	9.9	A5
5	..	48.4	+22 31	10.9	Go	..	48.5	+ 4 43	10.8	F5	1619	48.7	+20 37	11.0	K5	1539	48.9	+23 13	9.6	Ao
6	1617	48.4	+20 1	10.1	Fo	..	48.5	+ 3 35	11.4	K7	1395	48.7	+18 53	10.0	Fo	..	48.9	+22 48	12.0	M
7	..	48.4	+19 4	11.1	Ao	..	48.5	+ 3 15	11.2	F5	1394	48.7	+18 5	10.2	Fo	1427	48.9	+21 48	10.0	A2
8	..	48.4	+18 3	11.2	K2	1491	48.6	+34 42	10.6	Ko	1366	48.7	+15 11	10.4	F5	1620	48.9	+20 14	11.2	Go
9	1323	48.4	+16 24	11.4	Mo	1492	48.6	+34 38	11.2	K5	..	48.7	+14 23	11.3	A5	1527	48.9	+19 40	9.0	G5
10	1324	48.4	+16 17	10.4	A5	..	48.6	+34 33	11.6	G5	1480	48.7	+14 18	10.8	Go	..	48.9	+19 28	11.2	Ko
11	1478	48.4	+14 39	11.0	K2	..	48.6	+32 6	11.4	Ao	..	48.7	+14 16	10.9	Ko	1529	48.9	+19 5	10.2	Fo
12	..	48.4	+14 26	10.6	A2	..	48.6	+29 33	10.4	Ao	..	48.7	+14 6	11.3	G	..	48.9	+17 43	10.6	Ao
13	..	48.4	+13 29	11.4	K5	..	48.6	+29 24	11.2	F2	..	48.7	+ 9 44	11.4	G	..	48.9	+12 57	11.0	Go
14	1352	48.4	+11 32	9.5	F2	1397	48.6	+29 2	9.8	F5	1428	48.7	+ 9 14	9.8	Ao	1337	48.9	+12 41	9.8	Go
15	1351	48.4	+11 15	10.5	A2	1274	48.6	+28 49	10.4	F2	..	48.7	+ 8 48	11.0	Ko	1318	48.9	+10 25	9.4	Fo
16	1314	48.4	+10 6	10.0	Ao	..	48.6	+28 23	11.4	A7	1553	48.7	+ 8 33	11.8	K5	1316	48.9	+10 10	9.4	F8
17	..	48.4	+ 8 56	11.1	A2	1273	48.6	+28 20	11.6	K5	1554	48.7	+ 8 19	11.2	K5	1555	48.9	+ 8 41	10.0	A2
18	1551	48.4	+ 8 12	11.2	K7	1261	48.6	+27 11	10.2	Go	..	48.7	+ 5 6	10.8	Ao	1503	48.9	+ 7 45	11.2	K5
19	..	48.4	+ 7 6	11.5	Ao	1450	48.6	+24 35	10.2	A7	1494	48.7	+ 4 49	11.9	F5	..	48.9	+ 7 33	11.2	Fo
20	1491	48.4	+ 4 46	9.8	A3	1535	48.6	+23 1	10.1	F5	1495	48.7	+ 4 3	10.2	Fo	..	48.9	+ 6 8	10.0	Ao
21	..	48.4	+ 4 15	10.2	A2	1513	48.6	+22 26	11.2	G	..	48.7	+ 3 12	11.4	F8	..	48.9	+ 4 54	10.4	G5
22	..	48.4	+ 4 9	10.3	Ao	..	48.6	+22 10	11.1	A5	..	48.8	+32 9	11.6	F8	..	48.9	+ 4 30	11.2	Fo
23	1490	48.4	+ 4 3	10.9	Go	1514	48.6	+22 5	10.2	Fo	1440	48.8	+31 55	10.4	Go	..	48.9	+ 3 25	11.4	F5
24	1448	48.4	+ 3 35	10.2	G5	..	48.6	+20 51	11.0	A3	..	48.8	+30 8	10.2	B8	..	49.0	+34 46	11.0	F8
25	..	48.5	+34 16	11.4	F2	..	48.6	+20 44	11.0	A2	..	48.8	+28 2	11.0	Ko	..	49.0	+33 3	10.4	A2
26	..	48.5	+33 59	11.2	G5	..	48.6	+20 26	11.5	Go	1389	48.8	+26 48	10.6	Go	1276	49.0	+28 47	10.5	F2
27	..	48.5	+33 50	11.2	Go	..	48.6	+20 18	11.2	Go	1537	48.8	+23 34	10.3	Ao	..	49.0	+28 38	11.6	Go
28	..	48.5	+31 10	11.4	G5	1526	48.6	+19 44	9.7	Ko	..	48.8	+20 6	11.1	A7	..	49.0	+25 7	10.8	F5
29	..	48.5	+28 51	11.2	Ko	1393	48.6	+18 20	10.8	K7	1396	48.8	+18 5	10.2	A5	1540	49.0	+23 31	10.8	Go
30	1260	48.5	+27 40	10.9	F8	1364	48.6	+15 31	10.4	Go	1368	48.8	+15 11	10.1	A2	..	49.0	+22 9	11.2	F5
31	..	48.5	+23 20	10.5	A3	1365	48.6	+15 24	10.2	Ao	..	48.8	+14 9	11.2	Ao	..	49.0	+21 37	11.0	A5
32	1534	48.5	+23 17	11.4	K7	..	48.6	+14 38	11.2	Go	..	48.8	+13 3	10.6	Go	..	49.0	+21 16	11.4	Go
33	1618	48.5	+20 24	10.5	F8	..	48.6	+ 9 30	10.8	F2	..	48.8	+12 29	11.0	A5	1528	49.0	+19 28	10.8	Fo
34	1524	48.5	+19 41	10.2	Mo	..	48.6	+ 9 10	11.9	F5	..	48.8	+ 9 5	11.3	Go	1397	49.0	+18 20	10.6	A2
35	1392	48.5	+18 42	10.4	Go	..	48.6	+ 8 41	11.6	F	..	48.8	+ 8 8	11.2	Ao	..	49.0	+17 24	10.4	Ao
36	..	48.5	+17 50	11.3	F8	..	48.6	+ 8 18	11.4	A3	..	48.8	+ 6 10	10.3	A2	1327	49.0	+16 56	10.1	A5
37	1439	48.5	+17 39	10.2	K2	..	48.6	+ 7 48	11.8	K8	1463	48.8	+ 5 52	9.8	G5	..	49.0	+15 12	10.9	Ao
38	1440	48.5	+17 8	10.4	Go	1502	48.6	+ 7 25	10.4	A3	1464	48.8	+ 5 49	9.2	Ao	..	49.0	+14 42	10.6	B8
39	..	48.5	+16 19	11.2	Go	..	48.6	+ 5 50	10.0	A2	1497	48.8	+ 4 52	10.2	Go	1461	49.0	+13 57	9.8	A2
40	..	48.5	+14 38	11.0	A2	1462	48.6	+ 5 37	10.0	B2	1496	48.8	+ 4 19	10.0	A7	1463	49.0	+13 37	10.5	A7
41	1479	48.5	+14 16	10.2	Ko	1493	48.6	+ 4 49	10.3	Ao	..	48.8	+ 3 38	10.8	A2	1464	49.0	+13 4	10.2	Ko
42	1460	48.5	+13 36	10.7	Go	..	48.6	+ 4 10	11.4	K5	..	48.8	+ 3 7	11.2	A2	1338	49.0	+12 42	10.2	F2
43	1336	48.5	+12 55	9.8	A7	..	48.7	+34 20	11.8	Ko	..	48.9	+33 40	10.6	Ko	1339	49.0	+12 35	9.9	G5
44	..	48.5	+12 30	10.8	Ao	..	48.7	+32 52	10.8	Go	..	48.9	+32 53	11.4	G5	..	49.0	+11 52	11.7	K
45	..	48.5	+12 23	10.4	A7	1438	48.7	+32 50	10.2	A7	1443	48.9	+31 16	9.8	F5	..	49.0	+10 31	10.8	K2
46	1353	48.5	+11 43	9.6	B9	..	48.7	+30 0	11.3	Go	1398	48.9	+29 0	11.4	K7	1319	49.0	+10 28	10.1	K2
47	..	48.5	+11 16	11.3	K8	..	48.7	+29 28	11.5	A5	1275	48.9	+28 55	11.2	Ko	..	49.0	+10 5	11.0	Ao
48	..	48.5	+ 9 55	10.9	A3	..	48.7	+29 20	11.4	Ko	1263	48.9	+27 43	10.4	Ko	1429	49.0	+ 9 35	8.4	B3
49	..	48.5	+ 9 47	11.3	A5	..	48.7	+28 8	11.2	F8	..	48.9	+27 31	10.0	F8	..	49.0	+ 7 47	11.2	Ao
50	..	48.5	+ 7 52	11.3	F	..	48.7	+27 50	11.6	Go	1390	48.9	+26 22	9.5	F8	1498	49.0	+ 4 53	10.2	A2

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1430	49.1	+33 12	10.7	Ko	1467	49.2	+13 22	11.0	Ko	1345	49.4	+12 55	11.0	K2	1543	49.6	+23 37	9.7	Fo
2	1495	49.1	+25 15	11.0	G5	1342	49.2	+12 16	10.9	F8	..	49.4	+10 33	11.2	G5	1432	49.6	+21 51	10.1	Go
3	1494	49.1	+25 2	10.4	A5	1324	49.2	+10 51	9.3	Fo	..	49.4	+ 9 53	11.3	Ao	..	49.6	+19 56	10.8	G5
4	1453	49.1	+24 49	9.8	Ao	..	49.2	+10 18	11.2	A2	..	49.4	+ 9 14	11.2	A5	1531	49.6	+19 49	10.4	Ko
5	1454	49.1	+24 43	10.2	K2	1323	49.2	+10 0	10.3	Ao	..	49.4	+ 9 2	11.0	B8	1533	49.6	+19 25	10.4	Ko
6	1541	49.1	+23 55	10.2	Go	..	49.2	+ 9 39	11.2	A3	..	49.4	+ 8 1	11.0	A3	1401	49.6	+18 51	11.2	Ko
7	..	49.1	+23 11	10.0	Go	..	49.2	+ 8 12	11.4	A5	1506	49.4	+ 7 45	10.6	A2		49.6	+18 51	11.5	
8	1516	49.1	+22 56	10.9	G5	1431	49.2	+ 6 35	10.2	B9	1507	49.4	+ 7 20	10.4	Ko	1402	49.6	+18 20	11.7	Mo
9	1429	49.1	+21 45	10.9	K2	..	49.2	+ 6 23	10.8	A2	1433	49.4	+ 6 35	11.5	A	..	49.6	+16 51	11.1	A5
10	1430	49.1	+21 7	10.3	A2	..	49.2	+ 5 17	10.5	A5	1468	49.4	+ 5 19	11.3	K2	..	49.6	+16 12	11.1	Go
11	1621	49.1	+20 52	11.2	Go	1500	49.2	+ 4 35	9.8	Go	..	49.4	+ 5 13	11.2	Fo	..	49.6	+15 14	10.6	Fo
12	1398	49.1	+18 25	11.1	Go	1399	49.3	+29 53	10.4	M2	1453	49.4	+ 3 48	10.4	Ko	1371	49.6	+15 12	10.4	Ko
13	..	49.1	+16 49	11.4	Ko	1400	49.3	+29 20	9.5	A7	1454	49.4	+ 3 26	10.4	K2	1369	49.6	+15 5	9.8	A2
14	..	49.1	+16 29	10.4	Go	1517	49.3	+22 23	11.2	Ko	..	49.5	+32 33	11.0	Go	1471	49.6	+13 21	10.6	F8
15	..	49.1	+16 13	11.2	Ao	..	49.3	+21 30	11.4	Ko	..	49.5	+32 10	12.0	Ko	1348	49.6	+12 43	9.8	G5
16	..	49.1	+15 56	10.8	G5	..	49.3	+19 54	11.6	A	1360	49.5	+30 2	10.5	Fo	1347	49.6	+12 29	10.7	Ko
17	..	49.1	+15 50	11.3	A5	1530	49.3	+19 53	11.0	G5	..	49.5	+28 33	11.2	F8	*1346*	49.6	+11 59	10.0	Fo
18	..	49.1	+15 8	10.8	Ao	..	49.3	+19 13	10.3	A2	..	49.5	+27 52	10.5	A2	..	49.6	+11 35	10.6	A2
19	..	49.1	+14 2	10.7	A3	..	49.3	+18 48	11.0	G5	1267	49.5	+27 49	9.9	G5	1358	49.6	+11 5	10.4	G5
20	1320	49.1	+10 34	10.6	K2	..	49.3	+17 3	11.2	Ao	1268	49.5	+27 3	11.1	K2	..	49.6	+10 22	10.6	A7
21	1322	49.1	+10 31	9.8	Ao	..	49.3	+ 9 39	11.2	Fo	1542	49.5	+23 50	9.9	K2	1327	49.6	+10 15	9.7	G5
22	..	49.1	+10 7	10.9	F8	1556	49.3	+ 8 20	10.8	K5	..	49.5	+23 43	10.6	F8	..	49.6	+ 9 44	11.6	G5
23	..	49.1	+10 5	11.2	A	..	49.3	+ 6 21	10.1	F5	..	49.5	+21 26	11.2	Go	..	49.6	+ 9 35	11.7	A
24	1430	49.1	+ 9 37	9.9	Mo	1467	49.3	+ 5 5	11.0	Go	1625	49.5	+20 28	9.4	F5	..	49.6	+ 9 17	11.1	Ao
25	1431	49.1	+ 9 33	8.8	F5	..	49.3	+ 4 58	10.4	Go	1626	49.5	+20 19	9.6	Go	..	49.6	+ 8 38	10.4	B9
26	..	49.1	+ 8 28	11.8	A	1501	49.3	+ 4 56	10.2	Ao	1624	49.5	+20 18	11.0	K7	..	49.6	+ 8 22	10.8	F5
27	1430	49.1	+ 6 16	9.8	Go	..	49.3	+ 3 32	11.6	A5	1532	49.5	+19 24	9.4	B8	1512	49.6	+ 7 56	11.0	G5
28	..	49.1	+ 5 57	11.4	A	..	49.4	+34 3	11.9	F5	..	49.5	+17 18	10.1	A2	1435	49.6	+ 6 39	10.0	B9
29	..	49.1	+ 5 54	11.0	Ao	..	49.4	+30 48	11.4	Fo	..	49.5	+16 49	10.8	A3	..	49.6	+ 6 24	11.4	F5
30	1499	49.1	+ 4 10	9.8	F2	..	49.4	+29 44	11.8	F8	1357	49.5	+11 3	10.1	Fo	1434	49.6	+ 6 6	11.4	Mo
31	..	49.1	+ 4 5	10.7	Ao	1277	49.4	+28 47	10.8	Ko	*1326*	49.5	+ 9 59	10.0	Ko	1457	49.6	+ 3 56	10.8	Ko
32	1452	49.1	+ 3 1	10.8	M3	1265	49.4	+27 39	10.0	A2	1433	49.5	+ 9 50	9.7	B9	..	49.6	+ 3 48	11.6	A3
33	..	49.2	+32 56	10.0	F5	1266	49.4	+27 35	10.0	Ko	..	49.5	+ 9 35	11.0	Fo	1456	49.6	+ 3 42	10.0	Ko
34	1439	49.2	+32 37	10.2	F5	..	49.4	+27 31	11.1	G5	*1434*	49.5	+ 8 58	11.0	A3	..	49.7	+33 52	11.7	Go
35	1446	49.2	+31 46	10.6	K7	..	49.4	+25 42	10.6	Go	..	49.5	+ 7 47	11.2	A2	1447	49.7	+31 0	11.4	F8
36	..	49.2	+30 53	11.3	F8	1455	49.4	+24 43	11.0	F5	1510	49.5	+ 7 41	10.0	B9	1279	49.7	+28 53	10.6	Ko
37	..	49.2	+23 34	11.2	Go	1456	49.4	+24 38	9.4	Ao	1511	49.5	+ 7 36	9.7	B8	1278	49.7	+28 26	10.4	Go
38	..	49.2	+22 14	11.4	Ko	..	49.4	+23 46	11.5	K2	..	49.5	+ 6 29	11.5	G	1394	49.7	+26 45	11.3	K7
39	..	49.2	+22 10	11.4	K7	..	49.4	+23 43	11.4	Go	..	49.5	+ 3 37	10.4	Fo	1498	49.7	+25 30	10.6	F8
40	..	49.2	+21 25	11.2	F8	1623	49.4	+20 55	10.6	K2	..	49.6	+34 46	10.5	Go	1497	49.7	+25 22	9.4	Fo
41	1622	49.2	+20 27	9.5	F5	..	49.4	+19 54	10.3	A7	1495	49.6	+34 35	9.8	Mo	1460	49.7	+24 38	9.7	Go
42	..	49.2	+19 40	11.3	A3	..	49.4	+18 4	11.1	G5	1440	49.6	+32 32	10.8	G5	1459	49.7	+24 27	9.8	G5
43	1399	49.2	+18 27	10.5	G5	..	49.4	+17 55	11.2	Fo	..	49.6	+31 58	11.9	K5	..	49.7	+24 24	10.6	G5
44	1400	49.2	+18 13	11.3	K5	..	49.4	+17 46	10.7	Ao	1362	49.6	+30 12	10.1	Fo	..	49.7	+23 44	10.6	Ao
45	1443	49.2	+17 25	11.0	K7	..	49.4	+17 13	11.1	Ao	1402	49.6	+29 11	9.2	F2	..	49.7	+23 23	11.0	F8
46	1329	49.2	+16 19	10.2	Go	..	49.4	+14 48	10.8	Ao	..	49.6	+29 7	10.8	Ko	1544	49.7	+23 0	10.6	G5
47	1328	49.2	+16 12	11.2	Mo	1485	49.4	+14 19	10.3	A7	..	49.6	+28 57	11.5	A5	..	49.7	+22 42	11.4	K2
48	..	49.2	+15 5	11.4	K5	1468	49.4	+13 17	10.6	A7	..	49.6	+28 21	11.6	G5	..	49.7	+22 26	11.0	Go
49	1483	49.2	+14 22	10.2	Ao	1469	49.4	+13 12	10.6	Mo	1393	49.6	+26 3	10.0	K2	1519	49.7	+22 18	11.2	Ko
50	1465	49.2	+13 29	10.0	A2	..	49.4	+13 6	11.3	Go	1458	49.6	+24 40	9.6	A7	1627	49.7	+20 53	11.2	G5

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1534	49.7	+19 14	9.6	Go	..	49.9	+28 22	10.2	Go	..	50.0	+ 9 59	12.0	A	..	50.2	+21 39	10.5	F8
2	1470	49.7	+13 55	9.7	Ao	..	49.9	+27 19	11.2	A7	1437	50.0	+ 9 35	11.2	K7	..	50.2	+21 36	11.4	Ao
3	1473	49.7	+13 3	10.7	F5	..	49.9	+24 30	11.2	Ko	1518	50.0	+ 7 20	10.6	Ko	1635	50.2	+20 43	10.8	Ko
4	1349	49.7	+12 50	10.6	Ao	1545	49.9	+23 25	9.8	Go	..	50.0	+ 7 3	11.2	G	1634	50.2	+20 13	9.4	Ao
5	..	49.7	+10 43	10.9	G5	1629	49.9	+20 52	10.0	G5	..	50.0	+ 7 2	11.2	A	1538	50.2	+19 50	10.8	G5
6	..	49.7	+ 9 54	11.2	A5	*1630*	49.9	+19 58	9.6	A3	..	50.0	+ 4 55	11.4	K5	1334	50.2	+16 55	9.8	Ao
7	1559	49.7	+ 8 25	10.0	B9	..	49.9	+19 31	11.4	A	..	50.0	+ 3 54	11.0	G	..	50.2	+16 53	11.4	K2
8	1558	49.7	+ 8 11	9.5	A2	1404	49.9	+18 47	9.6	Ao	..	50.1	+34 30	10.2	G5	..	50.2	+15 35	11.4	G5
9	*1436*	49.7	+ 5 59	9.8	G5	1403	49.9	+18 7	10.2	F8	1432	50.1	+33 50	9.9	G5	1375	50.2	+15 34	11.3	Ko
10	1470	49.7	+ 5 56	10.0	F5	..	49.9	+17 31	11.0	K5	1444	50.1	+32 53	11.2	K7	1490	50.2	+14 11	10.6	K2
11	1503	49.7	+ 4 17	9.8	A2	1331	49.9	+16 27	11.4	G5	..	50.1	+28 19	11.5	Fo	..	50.2	+13 47	11.2	A7
12	..	49.8	+34 5	11.3	F8	1332	49.9	+16 20	10.9	F5	*1273*	50.1	+26 59	9.8	F8	1475	50.2	+13 29	10.4	A7
13	..	49.8	+32 56	11.6	Go	1373	49.9	+15 53	11.6	K7	1396	50.1	+26 6	9.6	Go	*1476*	50.2	+12 57	10.4	A2
14	..	49.8	+32 32	11.1	Mo	1374	49.9	+15 43	11.1	K7	1500	50.1	+25 1	11.7	K5	1352	50.2	+12 20	10.2	K7
15	1448	49.8	+31 26	10.5	K5	..	49.9	+13 9	11.2	Fo	..	50.1	+24 22	11.5	K5	1362	50.2	+11 55	10.6	F8
16	1271	49.8	+27 26	10.2	K5	..	49.9	+10 28	10.8	Ao	1546	50.1	+23 40	9.6	F2	..	50.2	+10 38	10.6	A3
17	1395	49.8	+26 2	11.2	Ko	..	49.9	+10 3	10.8	A3	1547	50.1	+23 5	10.6	Ko	1438	50.2	+ 9 36	9.0	B8
18	..	49.8	+23 16	11.2	Go	1436	49.9	+ 9 31	9.8	F8	1536	50.1	+19 45	11.2	Go	..	50.2	+ 6 5	11.4	A
19	1628	49.8	+20 13	10.2	Mo	..	49.9	+ 9 8	11.0	F8	1537	50.1	+19 45	11.8	K7	..	50.2	+ 6 4	11.1	A
20	..	49.8	+18 53	11.1	A	..	49.9	+ 8 15	11.0	A7	..	50.1	+19 33	10.2	F5	..	50.2	+ 5 51	10.8	Go
21	..	49.8	+17 39	11.2	F8	..	49.9	+ 7 48	12.2	K5	1406	50.1	+18 40	11.0	K5	..	50.2	+ 5 36	11.0	A2
22	1330	49.8	+16 51	10.4	Ko	1515	49.9	+ 7 22	9.9	A3	1446	50.1	+17 33	9.9	Ao	1473	50.2	+ 5 15	11.0	G5
23	..	49.8	+16 46	11.0	Ao	..	49.9	+ 5 6	10.9	A5	..	50.1	+17 2	10.9	Ao	..	50.2	+ 4 25	11.4	A
24	1372	49.8	+15 21	9.8	A7	..	49.9	+ 4 3	11.5	K2	..	50.1	+14 33	11.2	A3	..	50.2	+ 3 1	11.0	Ao
25	1487	49.8	+14 37	11.2	Go	1460	49.9	+ 3 43	10.2	Fo	1351	50.1	+12 17	10.3	Go	..	50.3	+33 9	11.8	F5
26	1488	49.8	+14 31	11.2	K7	..	49.9	+ 3 14	10.8	F2	..	50.1	+10 49	10.6	A2	..	50.3	+32 15	11.4	Go
27	..	49.8	+14 2	11.0	A5	..	50.0	+31 52	11.3	G5	..	50.1	+ 9 49	12.0	Ko	..	50.3	+30 13	10.8	Fo
28	1472	49.8	+13 56	10.7	Mo	..	50.0	+30 10	12.0	K5	1561	50.1	+ 8 51	11.3	Ko	1406	50.3	+29 36	10.4	F8
29	1359	49.8	+11 32	11.0	K7	1404	50.0	+29 52	10.6	K5	..	50.1	+ 8 43	11.3	Go	1407	50.3	+29 5	9.2	F5
30	..	49.8	+10 14	11.2	A3	1405	50.0	+29 20	9.3	A2	1519	50.1	+ 7 53	9.9	Ao	..	50.3	+27 56	10.5	G5
31	..	49.8	+ 9 56	11.2	A	1280	50.0	+28 33	9.8	F2	1521	50.1	+ 7 43	10.6	Fo	..	50.3	+26 30	10.7	F8
32	..	49.8	+ 9 51	11.2	A3	1272	50.0	+27 1	10.3	F5	1439	50.1	+ 6 39	10.2	Fo	..	50.3	+25 44	11.4	Ko
33	..	49.8	+ 9 12	10.8	Ao	1499	50.0	+25 42	9.4	A2	..	50.1	+ 6 3	10.8	F5	1462	50.3	+24 49	11.3	K5
34	1560	49.8	+ 8 25	10.1	Ao	..	50.0	+24 12	10.8	Ao	..	50.1	+ 5 13	10.5	Ao	1461	50.3	+24 36	10.2	K8
35	*1514*	49.8	+ 6 59	10.0	Ko	..	50.0	+24 2	11.4	G5	..	50.1	+ 4 19	11.1	Ao	1463	50.3	+24 18	9.8	Ko
36	..	49.8	+ 6 51	11.0	A3	..	50.0	+23 52	11.4	A7	1507	50.1	+ 4 1	9.8	Ao	..	50.3	+22 2	11.3	Ao
37	..	49.8	+ 6 26	11.5	G	..	50.0	+21 58	10.6	F2	..	50.1	+ 3 38	11.4	Fo	*1520*	50.3	+21 59	10.4	A2
38	..	49.8	+ 6 24	11.1	B9	1433	50.0	+21 39	10.4	F5	1463	50.1	+ 3 11	10.2	A3	..	50.3	+21 18	10.5	A2
39	..	49.8	+ 5 26	11.6	A	..	50.0	+21 32	11.8	Ao	..	50.1	+ 3 2	11.2	A	..	50.3	+20 27	10.6	F2
40	1471	49.8	+ 5 13	11.0	G5	1631	50.0	+20 27	9.4	A2	*1462*	50.1	+ 2 57	9.6	A2	..	50.3	+20 22	10.6	Ao
41	1504	49.8	+ 4 41	10.1	Fo	..	50.0	+20 4	11.3	A	1445	50.2	+32 54	10.2	Go	1636	50.3	+20 19	10.6	Ko
42	*1505*	49.8	+ 3 58	10.6	Go	1535	50.0	+19 54	10.4	Ko	..	50.2	+32 9	10.8	A5	..	50.3	+19 55	11.0	Go
43	..	49.8	+ 3 47	11.7	K7	..	50.0	+19 20	11.8	Mo	..	50.2	+30 4	11.6	A7	1539	50.3	+19 38	9.8	Ao
44	1459	49.8	+ 3 14	11.4	Ko	1445	50.0	+17 18	10.8	K2	*1365*	50.2	+29 59	10.3	F5	1409	50.3	+18 47	10.6	A2
45	..	49.9	+34 16	11.7	G5	1333	50.0	+16 56	10.1	F8	..	50.2	+28 35	11.6	Go	1407	50.3	+18 43	10.9	K5
46	*1431*	49.9	+32 59	9.6	A3	..	50.0	+15 45	11.2	Ao	..	50.2	+27 46	11.1	A2	..	50.3	+18 14	11.2	Fo
47	1443	49.9	+32 38	9.9	G5	1489	50.0	+14 48	10.0	Go	..	50.2	+27 45	10.6	A7	..	50.3	+15 59	11.4	A3
48	..	49.9	+32 21	11.2	K2	..	50.0	+12 27	10.7	A2	1274	50.2	+27 27	9.2	B9	1376	50.3	+15 6	10.5	F2
49	..	49.9	+31 36	11.6	G5	1350	50.0	+12 8	10.7	F5	1397	50.2	+26 38	10.0	F2	*1377*	50.3	+14 59	11.0	K7
50	..	49.9	+30 32	11.0	G5	1361	50.0	+11 52	10.6	K5	..	50.2	+23 46	9.7	A2	1477	50.3	+13 33	10.0	Fo

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1363	50.3	+11 17	9.0	Ao	1336	50.5	+16 13	10.0	Go	..	50.6	+ 6 18	11.0	A2	..	50.8	+13 26	11.0	A7
2	..	50.3	+ 9 48	10.4	Ao	..	50.5	+15 59	10.7	Ao	1477	50.6	+ 5 46	11.1	K5	1333	50.8	+10 38	10.1	F5
3	..	50.3	+ 9 40	11.2	A	1379	50.5	+15 43	10.2	G5	..	50.6	+ 5 20	11.4	G	1334	50.8	+10 12	11.1	Ko
4	1440	50.3	+ 9 5	10.0	B9	1353	50.5	+12 46	9.8	Ko	..	50.6	+ 4 33	10.5	A2	1447	50.8	+ 9 11	10.3	Ao
5	1563	50.3	+ 8 36	9.0	Ao	1364	50.5	+11 43	10.6	F2	..	50.6	+ 4 30	10.5	Ao	1569	50.8	+ 8 29	9.5	A2
6	..	50.3	+ 5 48	10.2	Bo	1332	50.5	+10 41	10.8	K5	1465	50.6	+ 3 43	10.4	Fo	..	50.8	+ 7 36	11.2	Ao
7	..	50.3	+ 3 58	10.8	A7	1331	50.5	+10 4	10.8	K5	..	50.7	+34 42	11.3	F8	..	50.8	+ 6 52	11.4	A3
8	1464	50.3	+ 3 4	10.6	F5	..	50.5	+ 7 37	11.4	A	1434	50.7	+33 12	10.0	A7	..	50.8	+ 6 42	11.4	F5
9	..	50.4	+31 37	11.3	F5	..	50.5	+ 7 14	12.0	A	..	50.7	+32 51	11.1	F8	..	50.8	+ 4 53	10.8	A3
10	1282	50.4	+28 34	10.0	A5	..	50.5	+ 6 21	10.6	A3	1451	50.7	+31 11	10.6	K2	..	50.9	+34 42	10.8	F5
11	1281	50.4	+28 19	11.2	G5	..	50.5	+ 6 16	11.2	A3	1367a	50.7	+30 54	11.0	Mo	..	50.9	+33 51	11.8	K5
12	1275	50.4	+27 30	9.3	F5	1476	50.5	+ 5 26	11.2	F8	..	50.7	+28 44	11.6	G5	1435	50.9	+33 15	10.5	K5
13	1464	50.4	+24 21	10.2	Ko	1510	50.5	+ 4 7	10.3	Fo	..	50.7	+27 47	11.3	F5	..	50.9	+30 6	11.1	F5
14	1465	50.4	+24 5	9.6	F8	..	50.5	+ 3 45	11.4	A	..	50.7	+27 43	10.0	B9	..	50.9	+26 29	11.2	K5
15	..	50.4	+22 39	11.4	F5	..	50.5	+ 3 16	11.4	K2	1399	50.7	+26 53	10.5	F8	1508	50.9	+25 27	10.9	Ko
16	..	50.4	+22 30	11.0	G	1497	50.6	+34 2	10.8	K7	..	50.7	+25 4	11.0	Ko	..	50.9	+25 13	11.0	Go
17	1540	50.4	+19 19	10.6	Ko	..	50.6	+32 52	11.7	F5	1466	50.7	+24 38	9.6	A2	..	50.9	+24 0	11.8	A
18	..	50.4	+18 22	11.4	G5	1367	50.6	+30 30	10.2	A7	..	50.7	+23 8	10.4	Fo	..	50.9	+23 47	10.8	F8
19	1335	50.4	+16 37	10.7	Ko	1366	50.6	+30 27	10.6	F2	..	50.7	+22 42	11.6	F8	..	50.9	+23 11	12.0	K
20	..	50.4	+16 32	10.5	A	..	50.6	+29 32	11.6	F8	..	50.7	+20 32	11.0	Go	..	50.9	+23 4	11.4	G5
21	..	50.4	+15 31	11.5	K2	..	50.6	+26 30	11.0	A2	..	50.7	+20 21	11.3	K5	..	50.9	+22 55	11.2	Go
22	..	50.4	+15 18	10.4	F5	1504	50.6	+25 50	10.6	K2	1410	50.7	+18 3	11.1	A3	1438	50.9	+21 19	10.4	A3
23	..	50.4	+14 28	11.3	G5	1505	50.6	+25 40	9.6	Ko	..	50.7	+17 27	10.2	F8	1544	50.9	+19 1	11.1	G5
24	1492	50.4	+14 1	10.3	A3	1506	50.6	+25 7	9.9	F8	..	50.7	+17 7	11.2	B9	..	50.9	+17 0	11.2	A2
25	..	50.4	+12 23	11.1	Go	1548	50.6	+23 23	10.8	G5	..	50.7	+15 3	11.5	K5	..	50.9	+13 8	11.0	F8
26	1330	50.4	+10 41	10.2	A2	..	50.6	+22 27	10.6	A5	..	50.7	+14 5	10.8	Ao	1356	50.9	+12 48	10.6	A2
27	1329	50.4	+10 33	10.0	K5	1436	50.6	+21 36	11.0	G5	1355	50.7	+12 4	10.0	A5	..	50.9	+12 15	10.6	Fo
28	..	50.4	+ 9 58	10.6	A2	..	50.6	+20 33	10.4	F8	..	50.7	+10 33	10.6	A2	..	50.9	+10 18	10.7	A2
29	..	50.4	+ 9 45	11.4	A	..	50.6	+20 9	10.9	A7	..	50.7	+ 9 43	11.6	Ao	..	50.9	+ 9 40	11.4	A
30	1441	50.4	+ 9 31	9.4	Fo	1541	50.6	+19 46	10.3	Ko	1446	50.7	+ 9 40	10.2	A3	..	50.9	+ 9 13	10.0	A3
31	1565	50.4	+ 8 35	10.1	F8	1542	50.6	+19 23	10.6	Go	1567	50.7	+ 8 33	10.0	Fo	..	50.9	+ 8 13	11.5	F2
32	1440	50.4	+ 6 20	9.3	B9	..	50.6	+18 22	11.8	Mo	..	50.7	+ 5 41	11.6	A	..	50.9	+ 7 23	11.0	A2
33	1441	50.4	+ 6 5	9.5	Fo	..	50.6	+17 30	11.6	Mo	1452	50.8	+31 24	9.8	Ao	..	50.9	+ 6 57	11.0	Go
34	..	50.4	+ 5 36	11.4	A	1448	50.6	+17 12	9.3	Ao	..	50.8	+30 46	11.6	F5	..	50.9	+ 6 47	11.4	F8
35	..	50.4	+ 4 55	11.3	A	1380	50.6	+15 12	9.6	Go	1409	50.8	+29 13	10.0	Go	1479	50.9	+ 5 45	9.4	A5
36	1446	50.5	+32 48	10.6	A5	..	50.6	+14 31	10.6	F2	1283	50.8	+28 3	10.8	Ko	..	50.9	+ 5 14	11.0	A3
37	*1450*	50.5	+30 57	10.6	F5	..	50.6	+13 38	11.0	A2	..	50.8	+27 35	10.8	F8	..	51.0	+32 54	11.4	K2
38	..	50.5	+30 21	10.4	Ko	1478	50.6	+13 8	10.7	Ao	..	50.8	+27 31	11.0	G5	..	51.0	+30 43	11.5	Ko
39	1408	50.5	+29 50	11.2	F8	1366	50.6	+11 46	11.1	F8	1277	50.8	+27 21	10.8	Go	1410	51.0	+29 3	10.7	Ao
40	..	50.5	+26 33	10.6	K2	..	50.6	+10 6	11.2	K2	..	50.8	+27 17	10.8	G5	1284	51.0	+28 52	10.8	G5
41	*1398*	50.5	+25 57	9.6	Fo	1445	50.6	+ 9 26	10.6	K2	1468	50.8	+24 53	10.0	Fo	1400	51.0	+26 49	9.6	F8
42	..	50.5	+23 8	11.1	G5	..	50.6	+ 9 18	10.8	A3	1469	50.8	+24 2	10.4	Ko	*1401*	51.0	+25 58	10.0	Ao
43	..	50.5	+21 46	11.6	K2	..	50.6	+ 9 14	11.1	A5	..	50.8	+23 25	11.2	Ko	1471	51.0	+24 6	11.7	M
44	1434	50.5	+21 31	10.1	G5	1566	50.6	+ 8 55	11.0	Go	1549	50.8	+23 5	11.3	K5	1472	51.0	+24 3	10.9	Go
45	..	50.5	+21 15	10.7	F8	..	50.6	+ 8 21	11.3	Fo	..	50.8	+22 45	11.3	Go	..	51.0	+21 41	11.0	Go
46	1435	50.5	+21 5	8.7	A2	..	50.6	+ 8 16	11.6	K2	..	50.8	+20 55	11.0	F	1638	51.0	+20 26	10.0	Go
47	..	50.5	+20 57	11.6	K5	..	50.6	+ 7 37	11.3	A	1337	50.8	+16 57	10.3	Ko	..	51.0	+20 21	10.4	G
48	1637	50.5	+20 4	9.2	F8	1523	50.6	+ 7 34	11.9	A	..	50.8	+14 59	11.1	F8	1545	51.0	+19 15	11.8	K7
49	..	50.5	+18 36	10.6	Ao	1522	50.6	+ 7 23	10.1	A2	..	50.8	+14 40	11.1	Fo	1413	51.0	+18 39	9.0	A5
50	..	50.5	+17 30	10.4	Fo	..	50.6	+ 7 11	11.5	K2	1479	50.8	+13 44	9.9	B9	1412	51.0	+18 30	10.3	Go

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$6^h\ 51^m.0$ to $6^h\ 51^m.6$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1384	51.0	+15 44	10.2	G5	1643	51.2	+20 16	10.5	F5	1470	51.3	+ 3 48	11.2	K5	1454	51.5	+17 32	9.6	Ao
2	..	51.0	+15 19	11.8	G5	..	51.2	+20 4	10.6	Go	..	51.3	+ 3 26	11.4	A	..	51.5	+17 31	10.6	A2
3	*1480*	51.0	+12 59	11.1	Go	..	51.2	+19 54	10.6	A5	1500	51.4	+34 21	9.4	F2	1451	51.5	+17 26	10.5	K5
4	1448	51.0	+ 9 39	10.4	Ko	1547	51.2	+19 51	10.8	K7	1456	51.4	+31 15	11.4	Go	1452	51.5	+17 20	10.1	Fo
5	1570	51.0	+ 8 43	10.6	Go	1415	51.2	+18 4	11.0	A5	1474	51.4	+24 31	10.4	Fo	..	51.5	+13 56	11.0	A5
6	1571	51.0	+ 8 25	9.8	Go	1450	51.2	+17 46	10.7	K5	..	51.4	+23 45	11.7	K7	..	51.5	+10 56	11.5	F
7	..	51.0	+ 8 2	10.7	Ao	..	51.2	+16 6	10.8	A5	..	51.4	+23 40	11.5	K7	..	51.5	+ 8 42	10.8	A2
8	1524	51.0	+ 7 49	10.2	Ao	1484	51.2	+13 29	11.0	Ko	1552	51.4	+23 21	10.0	G5	..	51.5	+ 8 7	11.9	K7
9	1442	51.0	+ 6 15	10.3	Ao	1358	51.2	+12 39	11.6	F8	1524	51.4	+22 51	9.5	F5	..	51.5	+ 7 57	11.4	F2
10	1481	51.0	+ 5 21	10.6	Go	..	51.2	+12 29	10.8	A5	1442	51.4	+21 56	9.4	A2	..	51.5	+ 7 54	11.4	Ao
11	1480	51.0	+ 5 9	9.4	F5	..	51.2	+10 46	11.2	A3	1441	51.4	+21 21	9.6	F2	..	51.5	+ 5 59	10.8	Ao
12	1511	51.0	+ 4 51	11.0	G5	1338	51.2	+10 17	9.6	Go	..	51.4	+20 49	11.0	G5	..	51.5	+ 5 39	11.4	A
13	1371	51.1	+30 30	10.4	K5	1337	51.2	+10 9	10.8	Ko	..	51.4	+20 44	11.0	A	1515	51.5	+ 4 52	9.3	B8
14	1372	51.1	+30 28	11.0	K7	..	51.2	+ 7 34	11.0	A2	1646	51.4	+20 22	10.4	Go	1472	51.5	+ 3 25	9.5	Fo
15	..	51.1	+29 49	11.6	F5	..	51.2	+ 7 31	11.4	Ko	1549	51.4	+19 5	10.1	Ao	1502	51.6	+34 18	9.8	Fo
16	..	51.1	+27 28	10.9	A2	..	51.2	+ 6 26	11.1	Fo	..	51.4	+18 31	10.4	A5	1440	51.6	+33 4	11.0	K2
17	1511	51.1	+25 16	9.9	K2	1512	51.2	+ 4 37	11.3	K5	..	51.4	+18 5	10.7	A7	..	51.6	+31 57	11.3	Go
18	..	51.1	+24 27	12.0	Ko	..	51.2	+ 3 40	10.9	K2	1417	51.4	+18 2	10.4	K2	1412	51.6	+29 16	10.2	F5
19	1473	51.1	+24 4	10.9	K7	1436	51.3	+33 37	10.6	F8	..	51.4	+16 54	11.4	K7	1279	51.6	+27 35	10.6	Ko
20	1521	51.1	+22 54	11.2	Mo	..	51.3	+33 15	11.5	Ko	..	51.4	+16 39	10.3	B9	..	51.6	+27 16	10.4	Go
21	1641	51.1	+20 25	10.3	F5	..	51.3	+31 41	11.4	F8	1386	51.4	+15 53	9.2	Fo	1475	51.6	+24 23	9.9	Go
22	..	51.1	+19 45	10.0	A5	1376	51.3	+30 46	11.3	Go	1385	51.4	+15 44	8.6	Go	1476	51.6	+24 23	10.0	Go
23	..	51.1	+19 15	11.2	Ao	*1411*	51.3	+28 59	9.6	F2	..	51.4	+14 38	10.6	A2	..	51.6	+23 30	11.1	K2
24	1414	51.1	+18 47	10.0	Go	..	51.3	+23 21	10.1	A3	1498	51.4	+14 1	10.9	G5	..	51.6	+22 25	11.4	G
25		51.1	+17 25	10.2	Go	1551	51.3	+23 16	9.8	Go	1487	51.4	+13 42	10.6	G5	..	51.6	+21 45	10.8	F5
	1449																			
26		51.1	+17 25	10.5	B9	..	51.3	+23 6	10.6	F5	1372	51.4	+11 28	11.1	F8	..	51.6	+20 55	10.9	A
27	..	51.1	+17 19	11.2	A3	1439	51.3	+21 8	10.7	K8	1371	51.4	+11 27	11.2	F5	..	51.6	+20 26	11.0	A
28	..	51.1	+15 50	10.6	Ko	1645	51.3	+20 19	9.8	A2	1341	51.4	+10 41	9.8	G5	..	51.6	+20 19	10.4	A3
29	*1336*	51.1	+ 9 58	10.4	Fo	..	51.3	+19 18	10.9	A2	..	51.4	+ 9 12	11.1	Ao	1649	51.6	+20 13	9.4	Ao
30	1450	51.1	+ 9 55	9.4	B8	1416	51.3	+18 14	11.0	F8	..	51.4	+ 8 8	11.0	Fo	1650	51.6	+20 8	10.1	A7
31	1449	51.1	+ 9 47	10.6	K5	1497	51.3	+14 23	10.8	G5	..	51.4	+ 7 45	11.1	A3	..	51.6	+20 6	10.4	A5
32	..	51.1	+ 8 40	10.9	A3	..	51.3	+13 22	11.0	Go	..	51.4	+ 7 24	11.6	K5	..	51.6	+19 35	11.0	F5
33	..	51.1	+ 7 46	10.5	F2	1485	51.3	+13 14	10.9	F5	1448	51.4	+ 6 37	10.3	G5	1551	51.6	+19 13	10.3	Ao
34	1444	51.1	+ 6 37	9.9	Fo	..	51.3	+10 49	10.8	G5	..	51.4	+ 6 18	11.7	K2	1419	51.6	+18 15	10.0	Ko
35	..	51.1	+ 6 19	10.8	Ao	1339	51.3	+10 27	10.0	A3	..	51.4	+ 4 25	10.8	F5	..	51.6	+18 1	11.0	K7
36	1445	51.1	+ 6 16	10.4	G5	1340	51.3	+10 23	10.8	Ko	..	51.4	+ 3 32	11.2	A	1359	51.6	+12 49	10.2	F8
37	..	51.1	+ 5 36	11.2	Ao	..	51.3	+ 9 40	10.8	F8	1471	51.4	+ 3 26	9.4	A2	..	51.6	+12 16	11.2	Ao
38	1467	51.1	+ 3 1	9.4	A3	..	51.3	+ 9 9	10.8	A7	..	51.5	+33 40	11.0	Go	..	51.6	+11 37	10.8	Ao
39	1499	51.2	+34 40	9.8	F2	..	51.3	+ 9 4	11.5	A	..	51.5	+29 13	11.4	F2	1342	51.6	+10 41	9.6	Go
40	*1448*	51.2	+31 59	10.3	Ko	1572	51.3	+ 8 43	10.5	Fo	1403	51.5	+26 53	11.2	Ko	..	51.6	+10 28	10.8	Fo
41	1455	51.2	+31 57	10.2	G5	1575	51.3	+ 8 33	10.4	Ko	*1402*	51.5	+25 59	11.2	F8	..	51.6	+ 9 49	10.9	Ao
42	1454	51.2	+31 47	10.5	G5	1574	51.3	+ 8 29	10.5	G	1513	51.5	+25 5	11.0	Ko	..	51.6	+ 9 39	11.2	A
43	1375	51.2	+30 38	10.1	K5	1573	51.3	+ 8 14	11.3	K5	1553	51.5	+23 53	10.0	Ao	1451	51.6	+ 9 34	10.4	A5
44	1374	51.2	+30 36	10.5	K7	1447	51.3	+ 6 51	10.1	Ko	..	51.5	+21 42	11.2	G	..	51.6	+ 9 26	10.4	B
45	..	51.2	+30 29	11.8	Ko	..	51.3	+ 6 26	11.4	Ko	..	51.5	+20 57	10.9	G5	..	51.6	+ 8 38	11.0	Ao
46	..	51.2	+27 50	10.9	A3	1483	51.3	+ 5 15	10.0	K2	1648	51.5	+20 23	10.7	G	..	51.6	+ 7 49	11.6	A
47	1278	51.2	+27 38	9.6	A7	..	51.3	+ 4 47	11.3	G	1647	51.5	+20 1	10.2	A3	1526	51.6	+ 6 57	11.1	A3
48	..	51.2	+24 14	11.4	G5	..	51.3	+ 4 32	11.4	G5	1550	51.5	+19 13	10.2	F2		51.6	+ 6 57	11.0	Ao
49	..	51.2	+22 46	10.0	F2	..	51.3	+ 4 27	11.0	A3	1418	51.5	+18 20	10.2	Ao	1449	51.6	+ 6 50	10.2	F8
50	1642	51.2	+20 36	10.2	F8	1514	51.3	+ 4 21	11.1	K2	..	51.5	+17 37	11.1	Ao	1452	51.6	+ 6 50	10.4	F8

$+3°.0$ to $+34°.0$

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	51.6	+ 6 39	9.4	A2	..	51.8	+ 9 26	11.9	A	1582	52.0	+ 8 35	10.0	Ao	..	52.2	+ 9 16	11.6	K2
2	1451	51.6	+ 6 31	9.9	B9	1579	51.8	+ 8 49	10.5	A5	..	52.0	+ 8 27	11.6	F5	..	52.2	+ 9 0	11.4	A3
3	1450	51.6	+ 6 20	10.1	Ko	1578	51.8	+ 8 34	10.6	B8	..	52.0	+ 8 8	10.8	B3	1584	52.2	+ 8 53	10.0	A3
4	..	51.6	+ 4 57	10.3	Ao	..	51.8	+ 8 20	10.7	A2	..	52.0	+ 5 29	11.2	Fo	1530	52.2	+ 7 42	10.2	G5
5	1441	51.7	+33 21	9.9	F5	1528	51.8	+ 7 17	10.5	B5	*1488*	52.0	+ 4 57	9.6	F8	..	52.2	+ 7 5	11.4	F5
6	..	51.7	+32 58	11.2	F5	1527	51.8	+ 7 14	10.5	Ko	..	52.0	+ 4 43	11.1	Fo	1455	52.2	+ 6 45	10.5	A3
7	..	51.7	+32 10	10.9	A5	..	51.8	+ 6 44	10.4	A2	..	52.0	+ 3 9	11.0	Fo	..	52.2	+ 5 59	10.3	F5
8	1413	51.7	+29 23	11.4	K2	..	51.8	+ 5 45	11.3	A	..	52.1	+34 27	11.5	A7	..	52.2	+ 5 52	11.3	A3
9	1514	51.7	+25 20	10.2	Ao	..	51.8	+ 5 42	11.1	A	1442	52.1	+33 51	10.3	F5	..	52.2	+ 5 14	11.5	A
10	..	51.7	+22 42	11.0	G	1517	51.8	+ 4 45	10.2	Ao	1415	52.1	+29 0	9.4	F5	1476	52.2	+ 3 4	10.2	K2
11	1525	51.7	+22 7	10.8	K5	..	51.8	+ 4 35	11.0	F8	..	52.1	+28 40	11.7	Ko	..	52.3	+31 2	10.4	A2
12	..	51.7	+21 18	10.6	Ko	..	51.8	+ 4 18	11.0	Ao	..	52.1	+27 37	9.6	F2	1381	52.3	+30 50	10.6	F8
13	1443	51.7	+21 2	var.	F5	..	51.9	+31 0	10.6	A2	..	52.1	+27 27	11.2	G5	1380	52.3	+30 23	10.1	Ao
14	..	51.7	+19 41	11.9	M	..	51.9	+30 44	10.6	A7	1478	52.1	+24 55	10.2	G5	1416	52.3	+29 32	9.6	Go
15	..	51.7	+19 7	10.4	F5	1377	51.9	+30 11	11.3	Ko	..	52.1	+24 30	11.0	G5	..	52.3	+28 56	11.2	F2
16	1420	51.7	+18 51	10.2	Ko	..	51.9	+29 12	11.6	Ao	1480	52.1	+24 24	10.1	Ao	1518	52.3	+25 31	11.8	K7
17	..	51.7	+18 41	10.8	Ao	1282	51.9	+27 46	10.0	Mo	*1479*	52.1	+23 59	11.2	K2	1481	52.3	+24 51	9.1	A3
18	..	51.7	+15 53	10.9	A5	1516	51.9	+25 43	11.4	K5	..	52.1	+22 8	10.4	Ko	..	52.3	+23 54	11.8	K5
19	1360	51.7	+12 28	10.8	F5	1555	51.9	+23 54	10.0	Go	1530	52.1	+22 7	9.8	Ao	1449	52.3	+21 43	10.6	G5
20	..	51.7	+12 10	11.4	K7	1529	51.9	+22 40	10.0	Go	1554	52.1	+19 49	11.0	K7	1652	52.3	+20 13	10.2	A5
21	1375	51.7	+11 18	10.0	Go	1528	51.9	+22 3	10.6	G5	1555	52.1	+19 4	9.1	Fo	1556	52.3	+19 15	10.0	B9
22	1373	51.7	+11 9	11.2	F2	..	51.9	+21 13	10.9	F5	1424	52.1	+18 23	10.8	Go	1457	52.3	+17 54	10.3	F5
23	1374	51.7	+11 9	10.2	F5	..	51.9	+19 36	11.0	Ko	1455	52.1	+17 35	11.2	G5	1347	52.3	+10 47	11.0	Go
24	1452	51.7	+ 9 13	8.6	A7	..	51.9	+16 49	11.6	K2	1491	52.1	+13 43	11.1	Ko	1345	52.3	+10 42	12.6	K2
25	1453	51.7	+ 9 9	10.0	Ko	..	51.9	+14 32	10.7	Ao	1344	52.1	+10 22	10.4	Ko	..	52.3	+10 41	10.9	Ko
26	..	51.7	+ 8 46	10.2	Go	1490	51.9	+13 25	11.3	Go	..	52.1	+ 9 52	11.5	A2	1531	52.3	+ 7 55	10.2	Ko
27	..	51.7	+ 8 41	10.4	Ao	..	51.9	+ 8 53	10.4	B8	1583	52.1	+ 8 21	10.5	F2	1532	52.3	+ 7 41	9.6	B8
28	..	51.7	+ 7 47	11.4	A	..	51.9	+ 7 34	11.5	A	1529	52.1	+ 7 46	11.5	K5	..	52.3	+ 6 55	11.4	Ao
29	..	51.7	+ 5 45	11.2	Go	..	51.9	+ 7 3	11.4	Go	..	52.1	+ 7 10	11.4	G	..	52.3	+ 6 35	11.2	K5
30	1485	51.7	+ 5 21	11.8	M	1453	51.9	+ 6 41	10.1	G5	..	52.1	+ 7 4	11.6	A	..	52.3	+ 6 19	11.4	A7
31	1516	51.7	+ 4 35	11.6	K5	1487	51.9	+ 5 9	10.2	F8	..	52.1	+ 6 22	11.2	Ao	..	52.3	+ 5 11	11.8	Go
32	1473	51.7	+ 3 12	10.4	F8	..	52.0	+34 24	11.2	Ko	..	52.1	+ 6 22	11.2	A	..	52.3	+ 4 17	11.2	A2
33	..	51.8	+34 34	11.0	Ko	..	52.0	+33 32	11.0	Go	..	52.1	+ 6 12	11.2	Go	..	52.3	+ 3 49	11.1	A
34	..	51.8	+34 26	11.2	Go	..	52.0	+30 54	11.6	Go	..	52.1	+ 5.47	11.4	Ao	1478	52.3	+ 3 46	10.3	F8
35	..	51.8	+33 32	10.3	Ao	1378	52.0	+30 19	11.6	K7	..	52.1	+ 5 43	11.2	A2	..	52.4	+32 58	11.2	Go
36	..	51.8	+32 56	11.7	K5	..	52.0	+30 11	11.4	Go	..	52.1	+ 5 37	9.6	A2	..	52.4	+32 36	10.6	Fo
37	1449	51.8	+32 30	10.8	K5	..	52.0	+28 37	10.6	Go	1475	52.1	+ 3 43	9.8	A7	..	52.4	+31 36	10.3	A7
38	1458	51.8	+31 15	10.8	G5	1556	52.0	+23 19	11.4	K7	1474	52.1	+ 3 41	10.2	A2	1459	52.4	+31 13	11.1	K5
39	1414	51.8	+29 29	10.5	F2	..	52.0	+23 17	11.2	G	..	52.2	+33 12	11.6	F5	1286	52.4	+28 46	9.4	F5
40	1285	51.8	+28 9	10.8	G5	1446	52.0	+21 52	10.2	Go	..	52.2	+32 56	10.9	F8	1284	52.4	+27 43	10.7	Go
41	..	51.8	+28 6	11.2	Go	1362	52.0	+12 12	11.2	K5	1451	52.2	+32 7	10.6	Ko	..	52.4	+27 28	10.9	G5
42	1515	51.8	+25 47	11.2	K7	*1363*	52.0	+11 58	10.1	F5	..	52.2	+31 5	11.4	F5	1482	52.4	+24 43	10.8	Ko
43	*1527*	51.8	+21 58	9.4	Fo	1378	52.0	+11 21	11.0	Go	..	52.2	+25 24	11.1	Ko	..	52.4	+24 36	10.8	G5
44	1445	51.8	+21 9	9.5	Fo	..	52.0	+10 45	11.6	G	..	52.2	+24 54	11.5	K7	..	52.4	+23 32	10.8	G
45	1553	51.8	+19 43	9.3	A2	1343	52.0	+10 4	9.1	A5	1532	52.2	+22 22	11.4	G5	1533	52.4	+22 23	10.0	G5
46	1502	51.8	+14 48	10.7	Go	1454	52.0	+ 9 28	9.6	A7	..	52.2	+17 25	11.2	B8	..	52.4	+20 15	10.8	Fo
47	..	51.8	+11 46	11.6	G	1455	52.0	+ 9 0	10.3	A3	1456	52.2	+17 16	11.1	A3	1557	52.4	+19 26	10.4	A3
48	..	51.8	+11 43	11.0	F5	1581	52.0	+ 8 54	10.2	B9	..	52.2	+13 46	11.4	F2	1425	52.4	+18 55	9.4	A3
49	..	51.8	+11 29	10.6	A2	1580	52.0	+ 8 45	11.4	K2	..	52.2	+ 9 56	11.2	Ao	..	52.4	+17 47	11.4	F8
50	..	51.8	+10 6	10.4	A2		52.0	+ 8 45	11.4	G5	..	52.2	+ 9 44	11.0	Ko	..	52.4	+17 16	10.8	Go

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	52.4	+14 23	10.7	Fo	..	52.6	+26 8	11.2	K2	..	52.8	+28 4	11.1	Ko	1452	53.0	+32 1	11.4	Ko
2	..	52.4	+13 48	11.4	F8	1559	52.6	+23 55	10.8	F2	1407	52.8	+26 18	9.6	K2	1461	53.0	+31 39	10.2	Ko
3	1365	52.4	+12 46	10.9	F2	1560	52.6	+23 27	11.8	K7	..	52.8	+26 9	10.4	Ko	1383	53.0	+30 51	10.6	Ko
4	1364	52.4	+12 21	10.2	A3	..	52.6	+22 15	10.4	Ao	1521	52.8	+25 20	11.1	K5	1422	53.0	+29 47	10.6	K5
5	..	52.4	+ 9 45	10.5	A2	1654	52.6	+20 54	10.4	Go	1483	52.8	+24 56	11.0	K	..	53.0	+27 43	11.4	Ko
6	..	52.4	+ 9 26	10.9	A5	..	52.6	+19 7	10.4	G5	..	52.8	+22 13	10.8	B9	..	53.0	+27 18	11.3	K7
7	..	52.4	+ 8 7	10.8	Fo	..	52.6	+18 57	10.9	A5	..	52.8	+19 17	10.8	G5	1409	53.0	+26 33	10.1	K8
8	..	52.4	+ 7 38	10.8	K2	1427	52.6	+18 0	11.0	Ko	1429	52.8	+18 44	10.3	A3	1408	53.0	+26 26	9.8	Ao
9	..	52.4	+ 7 13	11.6	A	..	52.6	+15 29	11.9	Ko	1430	52.8	+18 33	10.6	F5	*1522*	53.0	+24 59	9.2	Ao
10	..	52.4	+ 6 13	11.0	A2	..	52.6	+15 16	11.0	A7	1391	52.8	+15 38	11.2	G5	..	53.0	+23 22	10.8	K2
11	1456	52.4	+ 6 4	10.0	Go	1514	52.6	+14 1	11.1	Go	1367	52.8	+12 5	10.6	K7	1561	53.0	+23 1	10.5	K5
12	..	52.4	+ 5 14	11.6	K5	..	52.6	+11 44	11.6	F8	1381	52.8	+11 36	11.7	K5	..	53.0	+22 52	11.2	F2
13	..	52.5	+31 40	12.0	G	1350	52.6	+10 38	10.1	Ko	..	52.8	+11 6	11.3	Go	1534	53.0	+22 49	10.0	Ao
14	..	52.5	+31 9	11.5	F5	..	52.6	+10 28	10.9	Fo	1590	52.8	+ 8 18	10.6	Ko	1454	53.0	+21 50	9.7	Go
15	..	52.5	+30 53	10.6	Ao	..	52.6	+ 6 50	11.0	Fo	..	52.8	+ 7 44	10.8	A5	1656	53.0	+20 55	9.8	K2
16	*1382*	52.5	+29 59	10.6	F2	..	52.6	+ 5 54	10.7	A7	1536	52.8	+ 7 37	10.8	Ko	1560	53.0	+19 2	10.6	Ao
17	1417	52.5	+29 30	9.5	Ao	1490	52.6	+ 5 9	9.5	B9	..	52.8	+ 7 4	11.6	A7	..	53.0	+17 0	10.7	Fo
18	..	52.5	+28 42	10.5	A3	..	52.6	+ 5 4	11.4	A	1444	52.9	+33 29	10.4	F5	..	53.0	+16 4	10.8	Ao
19	1557	52.5	+23 47	9.8	F8	1518	52.6	+ 4 32	10.5	K7		52.9	+33 29	10.4	F8	..	53.0	+15 46	11.2	Mo
20	1558	52.5	+23 19	10.8	Go	..	52.6	+ 3 54	10.3	Ao	..	52.9	+32 32	11.7	F5	..	53.0	+14 22	11.8	K5
21	..	52.5	+22 59	10.8	F8	1479	52.6	+ 3 34	10.3	F8	..	52.9	+31 36	10.9	G5	..	53.0	+13 11	10.9	A2
22	*1653*	52.5	+19 57	10.3	Ko	..	52.7	+34 45	11.4	K5	..	52.9	+30 15	11.6	G5	..	53.0	+13 2	11.5	Fo
23	..	52.5	+19 9	11.0	Ko	1443	52.7	+33 32	10.8	Ko	..	52.9	+28 42	12.0	G5	..	53.0	+12 7	11.2	A
24	1426	52.5	+18 57	10.2	Go	..	52.7	+32 46	12.0	G	*1484*	52.9	+23 58	10.2	A7	..	53.0	+11 27	10.8	A7
25	1458	52.5	+17 45	11.4	K7	1460	52.7	+31 26	9.8	Fo	..	52.9	+23 7	10.6	Ko	1354	53.0	+10 41	11.3	Ko
26	..	52.5	+17 11	11.2	Ko	1419	52.7	+29 24	10.2	B9	..	52.9	+20 48	10.6	K2	..	53.0	+ 9 40	12.0	K5
27	..	52.5	+15 14	11.2	F8	..	52.7	+28 20	11.7	K5	..	52.9	+20 27	10.9	K2	1460	53.0	+ 9 27	9.2	Ao
28	..	52.5	+13 50	11.0	Go	..	52.7	+27 34	11.3	A5	1655	52.9	+20 16	9.6	Ko	1592	53.0	+ 8 29	11.4	K2
29	1493	52.5	+13 13	11.1	F2	1286	52.7	+27 26	9.7	Fo	1432	52.9	+18 56	9.6	F2	1537	53.0	+ 7 34	10.1	K2
30	1366	52.5	+12 16	10.2	Ao	1406	52.7	+26 38	11.0	Go	..	52.9	+18 27	11.4	G5	..	53.0	+ 7 15	10.4	Fo
31	1380	52.5	+11 56	10.3	Ao	..	52.7	+26 9	10.8	F8	*1431*	52.9	+17 59	9.6	K5	..	53.0	+ 7 2	11.2	Fo
32	..	52.5	+11 43	11.8	Go	1520	52.7	+25 27	9.9	Mo	..	52.9	+17 10	10.9	Ao	..	53.0	+ 6 35	11.3	G5
33	..	52.5	+10 42	11.0	Fo	..	52.7	+23 55	11.3	G5	..	52.9	+16 1	11.4	F2	1461	53.0	+ 6 3	9.4	Go
34	1348	52.5	+10 38	9.7	Go	1450	52.7	+21 41	9.9	G5	..	52.9	+13 3	11.6	F8	..	53.0	+ 6 1	11.2	A
35	1458	52.5	+ 9 51	10.2	Ao	..	52.7	+19 53	10.6	A5	1368	52.9	+12 0	10.7	Go	..	53.0	+ 5 22	11.3	F8
36	1457	52.5	+ 9 24	10.0	A2	..	52.7	+19 22	10.2	F8	1382	52.9	+11 9	10.2	A2	..	53.0	+ 5 14	11.2	F5
37	1585	52.5	+ 8 2	10.4	A5	1428	52.7	+18 1	10.0	K5	1352	52.9	+10 30	10.4	Ao	1492	53.0	+ 5 11	10.0	Fo
38	1534	52.5	+ 7 17	11.0	K5	1460	52.7	+17 55	9.7	Ao	*1353*	52.9	+ 9 59	9.4	Ko	1481	53.0	+ 3 30	10.0	Ko
39	1457	52.5	+ 6 35	10.0	A	..	52.7	+15 56	10.7	F8	1589	52.9	+ 8 49	9.9	G5	..	53.0	+ 3 11	11.0	Ao
40	..	52.5	+ 6 33	11.0	Ao	..	52.7	+14 9	11.0	Go	1588	52.9	+ 8 39	10.3	A7	*1482*	53.0	+ 2 58	11.1	A
41	..	52.5	+ 6 27	11.2	A3	..	52.7	+14 3	11.6	A	..	52.9	+ 7 9	10.2	A2	..	53.1	+34 36	11.1	A7
42	1458	52.5	+ 6 10	11.0	F2	..	52.7	+12 49	10.7	A3	..	52.9	+ 6 38	11.2	G5	1453	53.1	+32 31	10.0	F8
43	..	52.5	+ 3 58	11.4	G	1351	52.7	+10 45	11.0	G5	..	52.9	+ 5 56	10.6	A2	1384	53.1	+30 51	11.5	Ko
44	..	52.6	+34 32	11.0	F2	..	52.7	+ 9 12	11.2	Ao	..	52.9	+ 5 50	10.7	Ao	1287	53.1	+27 12	9.7	A2
45	1503	52.6	+34 5	10.8	F2	..	52.7	+ 8 39	11.4	A	..	52.9	+ 5 44	11.5	G	1410	53.1	+26 2	8.9	F2
46	..	52.6	+33 26	10.2	F2	1460	52.7	+ 6 57	10.7	Go	1491	52.9	+ 5 11	11.1	K2	*1523*	53.1	+24 59	9.3	G5
47	1418	52.6	+29 45	10.6	F5	1519	52.7	+ 4 38	10.3	A3	1520	52.9	+ 4 41	10.0	A2	..	53.1	+22 33	10.2	Ko
48	..	52.6	+29 26	11.2	Ao	..	52.7	+ 4 19	11.6	K5	1521	52.9	+ 4 2	10.2	F5	1535	53.1	+22 18	10.0	Ko
49	..	52.6	+29 0	11.2	F5	..	52.8	+30 13	11.8	F	1504	53.0	+34 39	10.2	G5	1657	53.1	+20 45	10.0	A5
50	..	52.6	+27 29	11.1	Go	1420	52.8	+29 49	11.4	Ko	..	53.0	+32 13	11.7	A7	1433	53.1	+18 43	10.4	A7

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	53.1	+18 9	11.3	K2	1356	53.3	+10 24	10.2	F8	1541	53.5	+ 7 9	10.2	B8	..	53.7	+18 21	11.8	Ko
2	..	53.1	+16 14	11.2	A3	..	53.3	+ 8 44	11.1	Go	..	53.5	+ 7 3	10.7	A5	..	53.7	+18 14	11.0	Go
3	..	53.1	+12 36	11.2	F5	1466	53.3	+ 6 34	11.6	K2	..	53.5	+ 6 51	10.4	A2	..	53.7	+17 19	10.6	Ko
4	1385	53.1	+11 51	11.4	Ko	1465	53.3	+ 6 0	9.8	A3	..	53.5	+ 6 46	11.1	A	..	53.7	+17 12	11.2	A7
5	1383	53.1	+11 35	10.4	A2	..	53.3	+ 4 29	11.4	A	1467	53.5	+ 6 43	10.0	A5	..	53.7	+13 17	11.7	G
6	1384	53.1	+11 8	11.4	Ko	1485	53.3	+ 3 38	10.4	K2	..	53.5	+ 6 20	10.4	Ao	1370	53.7	+12 48	11.2	G5
7	..	53.1	+ 8 51	11.4	G5	*1448*	53.4	+32 58	10.4	F5	1496	53.5	+ 5 22	10.2	Fo	..	53.7	+12 23	11.2	Fo
8	..	53.1	+ 7 55	11.0	A2	..	53.4	+31 5	11.0	F8	1495	53.5	+ 5 15	10.5	Ao	1371	53.7	+12 12	10.0	Ko
9	1463	53.1	+ 6 48	10.0	B8	1386	53.4	+30 4	12.0	K7	1525	53.5	+ 4 37	10.3	Ko	..	53.7	+11 1	11.3	A3
10	..	53.1	+ 6 34	11.5	Ko	..	53.4	+29 39	11.1	Go	..	53.5	+ 3 22	10.8	Ao	1465	53.7	+ 9 38	9.4	B9
11	..	53.1	+ 5 58	10.2	Ao	..	53.4	+29 9	10.1	A5	1505	53.6	+34 9	11.2	K5	..	53.7	+ 7 40	12.2	A7
12	..	53.1	+ 5 55	10.3	Ao	..	53.4	+29 7	10.6	A3	..	53.6	+32 13	11.4	G5	1543	53.7	+ 7 20	11.1	Go
13	..	53.1	+ 5 9	11.6	A	..	53.4	+27 26	11.0	Ko	..	53.6	+30 7	11.9	K5		53.7	+ 7 20	11.4	Ko
14	..	53.1	+ 4 47	11.6	A	..	53.4	+24 45	10.6	F8	..	53.6	+29 49	12.0	F8	1468	53.7	+ 6 51	11.5	G5
15	1484	53.1	+ 3 39	10.2	M2	..	53.4	+23 38	11.3	F	..	53.6	+22 24	10.8	Ao	..	53.7	+ 6 43	11.4	A
16	1483	53.1	+ 3 25	9.6	Ao	1537	53.4	+22 26	10.0	G5	..	53.6	+20 44	10.8	K2	..	53.7	+ 6 18	10.7	Ao
17	1385	53.2	+30 24	10.0	F2	1456	53.4	+21 16	9.6	F8	..	53.6	+18 23	11.2	A	..	53.7	+ 5 33	11.1	Ko
18	..	53.2	+28 37	11.8	Go	1660	53.4	+20 44	10.2	Ko	1466	53.6	+17 48	10.0	G5	..	53.7	+ 5 28	10.8	B8
19	1288	53.2	+28 24	10.4	F2	1659	53.4	+20 37	10.4	Ko	1465	53.6	+17 19	9.1	A5	..	53.7	+ 4 38	10.2	Ao
20	..	53.2	+28 9	11.5	G	..	53.4	+17 22	10.4	F2	..	53.6	+12 43	11.5	F2	..	53.7	+ 4 26	10.8	K7
21	1485	53.2	+24 12	9.5	Go	..	53.4	+14 3	11.0	Ao	..	53.6	+12 31	11.2	A2	1526	53.7	+ 4 8	10.2	A5
22	..	53.2	+23 24	11.0	F8	1389	53.4	+11 42	10.8	F5	1369	53.6	+12 29	11.6	K7	1506	53.8	+34 29	10.6	F5
23	..	53.2	+22 30	10.6	Fo	1388	53.4	+11 29	10.6	F8	..	53.6	+12 12	10.4	Go	1454	53.8	+32 16	11.3	K5
24	1561	53.2	+19 34	9.6	A2	1461	53.4	+ 9 46	var.	F5	..	53.6	+11 33	10.9	A5	..	53.8	+29 28	10.8	Ko
25	1434	53.2	+18 29	10.5	K2	..	53.4	+ 8 42	11.4	A	1463	53.6	+ 9 49	10.0	K5	..	53.8	+28 39	11.8	K5
26	1500	53.2	+13 38	10.8	A5	..	53.4	+ 8 24	11.4	Fo	1462	53.6	+ 9 3	9.8	F8	1289	53.8	+27 39	10.2	Go
27	..	53.2	+12 32	11.3	Go	..	53.4	+ 7 49	11.8	Ko	..	53.6	+ 8 14	11.5	A	1290	53.8	+27 36	9.8	Go
28	1593	53.2	+ 8 6	11.4	K7	..	53.4	+ 5 14	11.3	Ao	..	53.6	+ 8 4	11.6	F2	..	53.8	+27 22	10.2	A7
29	..	53.2	+ 7 43	11.7	A	..	53.4	+ 5 9	11.2	Ao	1542	53.6	+ 7 5	10.0	Ko	1415	53.8	+26 28	10.8	Ko
30	1540	53.2	+ 7 38	10.3	Go	..	53.4	+ 4 50	11.0	Ao	..	53.6	+ 6 40	11.0	A	1563	53.8	+23 21	10.0	A2
31	..	53.2	+ 7 4	11.4	Ko	1524	53.4	+ 4 24	10.4	Go	..	53.6	+ 5 34	11.2	F8	..	53.8	+22 43	10.0	B9
32	1464	53.2	+ 6 49	9.5	B9	..	53.4	+ 3 13	11.1	A3	..	53.6	+ 5 25	11.0	A2	..	53.8	+22 40	10.6	K2
33	..	53.2	+ 5 50	11.5	Ko	..	53.5	+34 10	11.4	F2	1497	53.6	+ 5 20	10.3	Ao	1566	53.8	+19 25	10.6	F8
34	..	53.3	+34 48	11.1	F2	..	53.5	+28 8	11.4	F8	..	53.6	+ 4 34	10.6	Go	..	53.8	+16 19	10.6	F2
35	..	53.3	+34 33	11.4	F8	1288	53.5	+27 51	10.4	G5	..	53.6	+ 3 28	11.0	Ao	..	53.8	+11 25	11.0	A
36	..	53.3	+34 24	12.3	F8	..	53.5	+27 7	11.2	Ko	1486	53.6	+ 3 12	9.6	Ao	1359	53.8	+10 54	10.1	Ao
37	1463	53.3	+31 50	10.4	K2	..	53.5	+26 7	10.2	Ao	1487	53.6	+ 3 2	10.2	F5	1358	53.8	+10 31	10.2	A5
38	1462	53.3	+31 7	11.4	G5	1527	53.5	+25 31	10.3	Fo	..	53.7	+34 5	10.9	Go	*1466*	53.8	+ 8 59	9.8	F5
39	..	53.3	+30 41	11.4	F2	1486	53.5	+24 24	10.4	Ko	1451	53.7	+33 56	11.2	F8	..	53.8	+ 7 2	11.4	Ko
40	..	53.3	+29 55	11.3	G5	*1457*	53.5	+20 57	10.2	F2	..	53.7	+33 47	10.4	F5	..	53.8	+ 6 17	11.0	F5
41	1412	53.3	+26 11	var.	Ko	1563	53.5	+19 45	11.2	Mo	..	53.7	+33 41	11.0	A	1469	53.8	+ 6 12	10.4	F2
42	..	53.3	+24 8	10.8	G5	..	53.5	+18 23	11.4	K5	1449	53.7	+33 38	10.2	Fo	1527	53.8	+ 4 6	11.4	K8
43	1536	53.3	+22 35	11.0	Mo	*1440*	53.5	+17 58	9.6	Fo	1464	53.7	+31 19	11.4	Ko	*1528*	53.8	+ 3 59	10.4	K5
44	..	53.3	+22 24	10.6	G5	1463	53.5	+17 56	10.2	A5	..	53.7	+30 19	11.6	K5	..	53.9	+32 54	11.4	K2
45	1658	53.3	+20 42	9.6	Ao	..	53.5	+17 41	11.2	Go	..	53.7	+24 30	10.4	Fo	..	53.9	+31 29	11.6	G5
46	..	53.3	+19 43	11.0	A5	..	53.5	+15 7	10.8	A2	1540	53.7	+22 21	10.9	K2	1426	53.9	+29 26	10.8	K2
47	1435	53.3	+18 52	9.6	Ko	..	53.5	+14 56	11.5	Ko	..	53.7	+22 7	11.2	Go	1291	53.9	+27 54	10.0	F2
48	1436	53.3	+18 35	9.8	Ao	1357	53.5	+10 51	11.0	Ao	..	53.7	+20 9	10.0	Go	..	53.9	+27 23	10.8	Ko
49	1386	53.3	+11 41	10.6	Fo	..	53.5	+10 18	10.4	Ao	1565	53.7	+19 49	11.0	K2	..	53.9	+22 56	11.1	Ko
50	1387	53.3	+11 13	9.8	A2	..	53.5	+ 9 35	11.4	K5	1564	53.7	+19 39	10.2	A3	..	53.9	+18 16	11.2	G5

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1936Ann

267500 $6^h\,53^m.9$ to $6^h\,54^m.7$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	53.9	+16 36	11.1	Fo	..	54.1	+25 56	10.4	Ko	..	54.3	+26 21	11.2	Ao	1534	54.5	+25 40	10.0	Ao
2	..	53.9	+12 28	11.4	A	1487	54.1	+24 40	9.8	Fo	..	54.3	+22 35	11.0	Ao	1490	54.5	+24 49	10.2	Ko
3	..	53.9	+12 5	11.0	Ko	..	54.1	+23 8	10.2	Go	*1546*	54.3	+21 59	10.1	A2	1463	54.5	+21 27	9.6	A3
4	1391	53.9	+11 19	9.7	F5	1543	54.1	+22 53	10.0	Fo	..	54.3	+21 44	10.6	F2	1462	54.5	+21 24	10.2	G5
5	1360	53.9	+10 44	9.3	Fo	1542	54.1	+22 47	10.1	Go	..	54.3	+21 29	10.5	A7	1571	54.5	+19 27	10.4	Ao
6	..	53.9	+ 9 28	11.2	A5	..	54.1	+17 32	11.5	Ao	..	54.3	+19 32	10.6	A5	..	54.5	+18 17	11.2	A
7	..	53.9	+ 8 31	11.4	Fo	..	54.1	+17 5	11.2	K7	1467	54.3	+17 43	9.6	F2	..	54.5	+14 15	11.5	A3
8	..	53.9	+ 6 32	11.4	Ko	1351	54.1	+16 0	10.6	Fo	..	54.3	+17 27	10.4	F2	1365	54.5	+10 53	10.2	Ko
9	..	53.9	+ 5 45	10.6	F5	..	54.1	+14 53	10.8	A2	1399	54.3	+11 5	11.0	F5	..	54.5	+ 8 56	10.6	A2
10	1501	53.9	+ 5 20	11.5	G5	..	54.1	+12 17	11.4	A	1363	54.3	+10 48	9.7	B9	1598	54.5	+ 8 5	11.4	G5
11	..	53.9	+ 5 15	11.2	Ao	1395	54.1	+11 45	10.3	F2	*1364*	54.3	+ 9 59	10.2	G5	1472	54.5	+ 6 27	11.3	Ko
12	1502	53.9	+ 5 13	10.0	G5	1396	54.1	+11 2	10.1	K2	1472	54.3	+ 9 49	10.4	Go	1473	54.5	+ 6 22	10.4	G5
13	..	53.9	+ 4 53	11.4	Ao	1469	54.1	+ 9 36	12.0	K7	..	54.3	+ 9 11	10.9	Ao	1474	54.5	+ 6 16	10.6	K5
14	1489	53.9	+ 3 49	10.0	F2	1467	54.1	+ 9 28	9.8	B8	..	54.3	+ 9 3	11.4	K5	..	54.5	+ 5 36	10.4	A3
15	..	53.9	+ 3 1	11.2	F5	1468	54.1	+ 9 15	10.8	Ko	..	54.3	+ 8 58	11.7	A	..	54.6	+32 12	10.7	G5
16	1508	54.0	+34 33	10.2	F2	..	54.1	+ 5 18	11.4	A5	1546	54.3	+ 7 30	10.5	A5	..	54.6	+31 28	11.4	Go
17	1466	54.0	+31 13	10.4	Ko	1530	54.1	+ 4 34	10.4	Ko		54.3	+ 7 30	10.4	B8	..	54.6	+30 58	11.6	A
18	1465	54.0	+31 5	10.7	K2	..	54.1	+ 4 19	10.5	Ao	..	54.3	+ 5 40	11.4	Ko	1392	54.6	+30 52	10.2	F8
19	..	54.0	+30 13	11.4	F	1532	54.1	+ 4 18	9.8	F8	1534	54.3	+ 4 12	10.4	Go	1390	54.6	+30 33	11.2	Ko
20	*1417*	54.0	+25 59	10.8	K2	1531	54.1	+ 4 7	10.3	A3	1493	54.3	+ 3 5	10.6	K5	1391	54.6	+30 16	10.8	K5
21	1528	54.0	+25 53	10.7	K7	..	54.1	+ 3 1	11.3	K5	1509	54.4	+34 12	10.0	F8	1389	54.6	+30 13	9.4	A3
22	1564	54.0	+23 56	10.3	Go	..	54.2	+33 17	10.8	G5	..	54.4	+33 31	11.2	Ko	..	54.6	+28 47	11.6	F5
23	..	54.0	+23 27	10.2	Ao	..	54.2	+32 35	11.7	Ko	1452	54.4	+33 28	10.8	Go	..	54.6	+28 42	11.8	Ko
24	..	54.0	+22 10	10.4	Ao	..	54.2	+31 47	11.4	Go	..	54.4	+31 55	10.2	F8	..	54.6	+28 8	11.6	F8
25	1662	54.0	+20 23	9.9	A7	..	54.2	+30 10	10.8	F2	..	54.4	+27 22	10.8	F8	*1290*	54.6	+27 57	10.0	Ko
26	1567	54.0	+19 30	10.3	A3	..	54.2	+29 38	11.4	A3	1419	54.4	+26 29	9.8	Ao	..	54.6	+27 47	10.7	F8
27	..	54.0	+18 5	11.5	G5	1532	54.2	+25 54	10.8	A	..	54.4	+25 48	11.2	K5	..	54.6	+25 15	11.6	K7
28	..	54.0	+17 34	11.0	Ao	1530	54.2	+25 36	10.2	Ao	1489	54.4	+24 25	11.2	Mo	1565	54.6	+23 12	10.1	Ao
29	..	54.0	+16 39	10.8	Go	1531	54.2	+25 35	10.4	K7	..	54.4	+20 42	10.9	A2	..	54.6	+21 38	11.1	A
30	..	54.0	+16 33	10.9	Ao	1529	54.2	+25 7	11.4	K8	1570	54.4	+19 36	10.0	A5	..	54.6	+17 48	11.8	Mo
31	..	54.0	+16 1	10.6	B9	..	54.2	+23 28	11.2	K2	..	54.4	+15 32	11.3	G5	..	54.6	+17 25	11.2	G5
32	1506	54.0	+13 37	11.1	Go	1545	54.2	+22 40	9.7	Fo	..	54.4	+14 33	11.6	Ao	..	54.6	+13 32	12.1	Ko
33	1373	54.0	+12 52	10.8	Ko	1460	54.2	+21 51	10.4	Ao	..	54.4	+12 38	11.1	F5	1377	54.6	+12 30	11.1	F8
34	1372	54.0	+12 29	10.8	B9	1569	54.2	+19 34	9.9	A2	*1400*	54.4	+10 59	10.4	A3	..	54.6	+12 11	11.5	Go
35	..	54.0	+12 26	11.5	A	..	54.2	+19 32	10.6	Ko	1473	54.4	+ 9 33	11.2	Ko	1366	54.6	+10 11	10.8	A2
36	1393	54.0	+11 47	10.4	Ao	..	54.2	+15 27	11.6	Ko	1596	54.4	+ 8 33	11.0	K5	1367	54.6	+10 5	10.2	K7
37	1394	54.0	+11 22	10.4	A2	1521	54.2	+14 52	10.7	Fo	..	54.4	+ 7 33	10.6	A2	1474	54.6	+ 9 50	11.4	K5
38	..	54.0	+ 8 2	11.9	F5	..	54.2	+13 39	11.5	G5	..	54.4	+ 5 38	11.4	G	1599	54.6	+ 8 18	10.4	Ao
39	..	54.0	+ 7 19	10.4	F5	1397	54.2	+11 49	10.6	K5	1535	54.4	+ 4 44	10.3	F8	..	54.6	+ 7 47	11.7	A5
40	..	54.0	+ 6 52	11.2	B9	1471	54.2	+ 9 42	10.8	Fo	..	54.5	+34 26	11.2	G5	..	54.6	+ 7 25	11.3	Go
41	1470	54.0	+ 6 7	10.0	Fo	1470	54.2	+ 9 23	11.2	Ko	*1510*	54.5	+33 57	10.8	G5	1503	54.6	+ 5 50	9.8	Go
42	..	54.0	+ 5 14	11.0	Go	..	54.2	+ 9 13	11.2	G	..	54.5	+33 15	11.4	F8	..	54.6	+ 4 35	11.0	A3
43	1491	54.0	+ 3 46	10.2	G5	1545	54.2	+ 7 2	10.0	A3	..	54.5	+32 5	10.6	F5	1495	54.6	+ 3 38	10.8	Ko
44	1490	54.0	+ 3 30	10.6	Ko	..	54.2	+ 5 44	11.2	F8	1427	54.5	+29 10	10.4	B9	..	54.7	+32 54	11.8	G
45	1492	54.0	+ 3 15	11.4	K5	1533	54.2	+ 4 25	9.6	Go	1289	54.5	+28 7	11.7	F5	1459	54.7	+32 49	10.8	K7
46	..	54.1	+31 44	11.9	G5	1457	54.3	+32 25	10.7	Ko	1293	54.5	+27 27	10.0	Go	1394	54.7	+30 55	10.4	Ko
47	1467	54.1	+31 31	10.0	A3	1455	54.3	+32 12	9.5	F8	..	54.5	+27 26	9.8	Fo	1428	54.7	+29 36	9.4	A2
48	1388	54.1	+30 16	10.2	F5	1456	54.3	+32 5	9.7	Go	1294	54.5	+27 24	9.5	Go	..	54.7	+26 43	11.2	Ao
49	..	54.1	+29 29	11.4	F8	..	54.3	+31 53	10.5	Fo	1420	54.5	+26 16	10.2	Go	1421	54.7	+26 41	10.5	A2
50	..	54.1	+29 24	10.6	A2	1468	54.3	+31 2	10.4	F5	1533	54.5	+25 50	9.8	A3	..	54.7	+26 17	11.3	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1422	54.7	+26 9	11.4	A	1536	54.9	+25 22	11.2	K5	..	55.1	+24 51	11.0	F8	1543	55.2	+ 4 52	10.5	G5
2		54.7	+26 9	11.7	K5	..	54.9	+25 9	11.8	K7	1493	55.1	+24 16	10.5	K5	1542	55.2	+ 4 20	10.8	K5
3	1567	54.7	+23 54	10.0	A3	1492	54.9	+24 12	11.3	K8	..	55.1	+24 2	11.4	A	1544	55.2	+ 4 14	9.8	Ko
4	1569	54.7	+23 45	10.0	K2	1570	54.9	+23 13	9.9	Go	1571	55.1	+23 1	10.3	B9	1499	55.2	+ 3 46	9.8	A3
5	1568	54.7	+23 6	10.0	Fo	..	54.9	+20 49	11.1	Ao	1574	55.1	+19 1	9.3	K5	..	55.2	+ 3 11	11.2	G5
6	1548	54.7	+22 44	10.1	Ko	..	54.9	+19 47	10.6	F8	1445	55.1	+18 5	10.2	Ko	..	55.3	+34 5	11.0	G5
7	1547	54.7	+22 10	11.0	Ao	1380	54.9	+12 19	10.4	A3	1471	55.1	+17 46	10.1	Go	..	55.3	+32 18	11.6	G5
8	..	54.7	+21 6	10.9	K5	..	54.9	+12 8	10.3	A2	..	55.1	+17 10	10.2	A2	..	55.3	+30 15	11.3	Ko
9	1664	54.7	+20 19	10.1	Fo	1403	54.9	+11 8	10.7	K5	..	55.1	+14 25	11.0	Go	1291	55.3	+28 31	11.2	F8
10	1663	54.7	+20 6	10.8	K5	..	54.9	+ 9 45	11.2	G5	*1383*	55.1	+11 59	9.6	G5	1302	55.3	+27 9	10.3	G5
11	1572	54.7	+19 30	10.4	Fo	1600	54.9	+ 8 55	11.4	K5	..	55.1	+11 9	10.8	A2	1538	55.3	+25 39	11.2	Ko
12	1443	54.7	+18 19	10.0	Ko	..	54.9	+ 8 33	12.0	F8	1476	55.1	+ 9 55	9.8	A2	1495	55.3	+24 23	9.6	F8
13	1468	54.7	+17 54	10.9	Go	..	54.9	+ 7 0	11.6	A	..	55.1	+ 9 30	10.6	K7	1572	55.3	+23 36	10.0	Go
14	..	54.7	+17 40	11.8	F8	..	54.9	+ 6 1	11.0	F5	..	55.1	+ 9 6	11.2	Ao	1575	55.3	+19 46	9.8	K2
15	..	54.7	+17 31	11.5	Go	..	54.9	+ 5 55	11.2	Go	..	55.1	+ 8 30	11.7	K	1446	55.3	+18 35	10.2	Ao
16	..	54.7	+13 56	11.2	Go	1497	54.9	+ 3 34	10.3	Ao	1507	55.1	+ 5 45	11.2	F8	1472	55.3	+17 33	9.9	Ko
17	1378	54.7	+12 36	10.6	F8	1511	55.0	+34 29	10.4	Ko	1541	55.1	+ 4 55	11.2	Ko	..	55.3	+15 48	11.1	A3
18	1401	54.7	+11 23	10.3	Ao	..	55.0	+34 10	11.2	G5	*1498*	55.1	+ 2 59	10.8	Ao	..	55.3	+15 37	11.2	A7
19	1402	54.7	+11 9	10.6	A5	1395	55.0	+30 7	10.6	F2	..	55.2	+34 7	11.2	F8	..	55.3	+13 7	11.2	F8
20	1548	54.7	+ 7 37	10.5	Ao		55.0	+30 7	10.6	A2	*1470*	55.2	+30 59	10.0	Ao	..	55.3	+12 20	11.6	Go
21	..	54.7	+ 7 25	10.6	Ao	1299	55.0	+27 56	11.4	Ko	..	55.2	+29 45	11.4	F5	1406	55.3	+11 45	10.1	Ao
22	1549	54.7	+ 7 8	11.5	K5	1300	55.0	+27 31	10.0	K2	1432	55.2	+29 23	9.8	B9	..	55.3	+10 56	10.6	F5
23	..	54.7	+ 6 38	11.0	F5	..	55.0	+27 12	11.2	A5	..	55.2	+28 2	12.2	F8	1369	55.3	+10 34	10.0	Go
24	..	54.7	+ 6 24	11.3	F8	1665	55.0	+20 25	10.0	A2	..	55.2	+27 49	10.8	F2	..	55.3	+10 12	10.6	Ao
25	1475	54.7	+ 6 9	9.8	A3	1573	55.0	+19 4	8.8	Go	..	55.2	+26 56	10.9	A	..	55.3	+ 9 5	11.8	K2
26	..	54.7	+ 5 36	11.2	Ko	1444	55.0	+18 20	9.8	Fo	1425	55.2	+26 26	9.0	F5	..	55.3	+ 8 27	10.7	Ao
27	1504	54.7	+ 5 2	11.0	Ko	1470	55.0	+17 36	10.1	Go	1426	55.2	+26 23	8.6	G5	..	55.3	+ 7 59	11.7	K5
28	..	54.7	+ 4 33	10.2	A2	..	55.0	+17 28	10.7	Fo	..	55.2	+25 15	10.4	Ao	1551	55.3	+ 7 39	10.6	Ko
29	1496	54.7	+ 3 0	10.5	Ao	..	55.0	+16 7	11.3	Fo	..	55.2	+25 10	11.1	K8	1552	55.3	+ 7 16	10.0	B9
30	..	54.8	+33 9	10.2	Go	..	55.0	+15 51	11.5	Go	..	55.2	+24 25	10.8	Ao	..	55.3	+ 3 58	11.3	Ao
31	..	54.8	+32 23	11.5	Mo	..	55.0	+13 10	11.3	F2	1494	55.2	+24 3	11.6	K7	1501	55.3	+ 3 41	9.9	B9
32	..	54.8	+30 48	11.5	F5	..	55.0	+11 42	10.4	G5	..	55.2	+22 33	11.2	A	1500	55.3	+ 3 33	9.4	A2
33	..	54.8	+30 9	11.8	Go	1404	55.0	+11 6	10.4	A7	*1466*	55.2	+20 59	10.4	B9	..	55.3	+ 3 15	11.4	F5
34	..	54.8	+30 9	11.6	Go	1368	55.0	+10 43	10.4	K2	..	55.2	+20 23	10.9	K5	..	55.3	+ 3 2	11.4	A
35	..	54.8	+28 32	10.5	Go	..	55.0	+10 13	11.2	A	1666	55.2	+20 13	10.9	K7	1396	55.4	+30 27	12.0	G5
36	..	54.8	+24 3	11.2	A	1601	55.0	+ 8 54	10.6	K7	..	55.2	+17 55	11.0	Ao	..	55.4	+29 45	11.4	Ko
37	1464	54.8	+21 38	9.5	Ao	1506	55.0	+ 5 47	11.4	K5	..	55.2	+17 38	11.4	K7	..	55.4	+28 46	11.7	G5
38	1465	54.8	+21 7	9.6	A3	..	55.0	+ 4 55	10.6	F5	..	55.2	+14 30	11.4	F8	..	55.4	+28 11	11.4	Go
39	..	54.8	+19 56	11.7	K8	1540	55.0	+ 4 37	10.5	Go	..	55.2	+12 19	11.1	F8	..	55.4	+27 6	11.0	A
40	..	54.8	+17 51	10.6	F8	..	55.0	+ 4 36	11.4	K5	1405	55.2	+11 27	10.6	Go	1428	55.4	+26 10	10.5	G5
41	..	54.8	+12 38	11.6	F8	1538	55.0	+ 4 30	10.0	Ao	..	55.2	+10 33	9.4	A2	..	55.4	+24 30	11.1	K7
42	..	54.8	+ 7 49	11.4	A2	*1539*	55.0	+ 3 57	9.8	A2	..	55.2	+10 18	10.1	A2	..	55.4	+22 35	10.4	Go
43	..	54.8	+ 6 38	11.4	A	..	55.0	+ 3 49	10.2	Ao	..	55.2	+ 9 43	11.4	K5	1667	55.4	+20 5	11.2	K8
44	1505	54.8	+ 5 38	9.7	Ao	..	55.1	+34 30	10.8	A3	..	55.2	+ 9 33	11.0	A	..	55.4	+19 50	10.5	Go
45	..	54.8	+ 3 15	11.1	F2	..	55.1	+33 9	11.4	Go	1602	55.2	+ 8 56	9.7	A3	1577	55.4	+19 41	10.2	G5
46	..	54.9	+33 15	11.6	Ko	..	55.1	+30 6	10.9	Go	..	55.2	+ 8 50	10.6	F2	1419	55.4	+15 28	10.7	Go
47	1469	54.9	+31 28	9.8	B9	1431	55.1	+29 27	10.8	F8	..	55.2	+ 8 43	11.8	K	1385	55.4	+12 45	10.2	Ko
48	1298	54.9	+27 44	9.8	A2	..	55.1	+28 42	11.7	A	1603	55.2	+ 8 6	10.8	G5	..	55.4	+11 14	11.2	F8
49	1297	54.9	+27 31	10.4	F8	..	55.1	+28 7	11.1	F5	1550	55.2	+ 7 44	10.7	Ko	..	55.4	+11 9	11.7	Ko
50	1423	54.9	+26 23	9.8	K2	1537	55.1	+25 12	10.8	Ko	..	55.2	+ 7 38	11.0	A	1605	55.4	+ 8 47	10.6	Go

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	55.4	+ 8 38	11.3	A	1465	55.7	+32 34	9.7	Ko	..	55.9	+33 0	11.6	Ko	1556	56.0	+ 7 43	11.9	K5
2	..	55.4	+ 8 22	10.5	F8	1464	55.7	+32 3	10.0	F5	1402	55.9	+30 37	11.4	K2	1549	56.0	+ 4 31	9.8	A2
3	1607	55.4	+ 8 15	11.3	Go	1400	55.7	+30 45	10.9	Ko	1403	55.9	+30 29	10.2	F5	..	56.1	+33 21	9.6	F2
4	..	55.4	+ 7 5	11.5	K2	1401	55.7	+30 23	10.7	M1	..	55.9	+29 6	11.5	Ao	1438a	56.1	+29 16	10.8	Ao
5	1476	55.4	+ 6 49	11.1	A2	..	55.7	+24 14	10.6	Ao	..	55.9	+28 9	11.6	Go	1439	56.1	+29 3	10.9	B9
6	..	55.4	+ 6 17	11.8	A	..	55.7	+22 37	10.8	Fo	..	55.9	+27 54	10.9	Fo	..	56.1	+28 33	11.3	F8
7	1508	55.4	+ 5 23	9.8	F8	1669	55.7	+20 5	10.2	F8	..	55.9	+27 34	11.6	Ko	..	56.1	+28 8	11.9	G
8	..	55.4	+ 3 53	11.3	Ao	1448	55.7	+18 32	9.8	F8	..	55.9	+23 24	10.4	Ao	..	56.1	+27 43	11.2	K2
9	..	55.4	+ 3 50	10.2	Ao	1531	55.7	+14 20	10.4	A7	1470	55.9	+21 44	9.4	Ao	..	56.1	+27 42	10.8	K5
10	1462	55.5	+32 32	10.8	K5	..	55.7	+13 41	11.5	G5	..	55.9	+17 46	11.4	Go	1575	56.1	+23 13	9.8	Ao
11	..	55.5	+32 25	11.7	A	1387	55.7	+12 14	10.8	F5	1426	55.9	+15 54	10.9	K2	..	56.1	+22 45	11.5	K
12	..	55.5	+29 13	11.9	G5	..	55.7	+10 51	10.6	Ao	..	55.9	+15 29	11.6	K7	..	56.1	+21 51	11.3	A
13	..	55.5	+27 30	11.6	K5	..	55.7	+10 10	11.4	A7	1389	55.9	+12 43	10.1	Fo	1475	56.1	+17 20	10.4	A7
14	1496	55.5	+24 49	9.6	Ao	..	55.7	+ 9 38	11.2	A	1409	55.9	+11 55	9.0	B8	..	56.1	+14 47	11.4	G5
15	1551	55.5	+22 51	11.4	K5	1479	55.7	+ 9 9	11.6	K7	1410	55.9	+11 9	11.0	K2	..	56.1	+14 31	11.4	Ao
16	..	55.5	+21 4	10.8	A	..	55.7	+ 9 6	11.2	Ko	..	55.9	+10 34	10.7	F8	1391	56.1	+12 57	10.6	Go
17	1467	55.5	+21 1	10.2	A2	..	55.7	+ 8 8	12.0	K5	..	55.9	+ 9 18	10.7	G5	..	56.1	+12 15	10.8	Go
18	..	55.5	+20 57	11.1	A	1555	55.7	+ 7 14	10.7	K7	..	55.9	+ 8 43	11.2	A	1412	56.1	+11 33	10.8	A3
19	1579	55.5	+19 39	10.2	Fo	..	55.7	+ 6 55	11.4	F	..	55.9	+ 7 46	11.1	G5	*1376*	56.1	+ 9 59	10.0	A7
20	1578	55.5	+19 1	10.6	K5	..	55.7	+ 5 28	11.0	Fo	..	55.9	+ 7 14	11.3	Ao	..	56.1	+ 9 16	11.3	A7
21	1473	55.5	+17 57	10.4	Mo	..	55.7	+ 3 42	11.2	Ao	1481	55.9	+ 6 11	9.9	F2	1610	56.1	+ 8 39	10.2	F5
22	..	55.5	+16 34	11.0	Go	1502	55.7	+ 3 40	9.8	Ko	1512	55.9	+ 5 43	11.2	F8	..	56.1	+ 8 32	10.3	A2
23	..	55.5	+14 5	11.4	Ao	1503	55.7	+ 3 18	9.6	Ao	..	55.9	+ 4 53	11.2	A	..	56.1	+ 8 26	10.7	Ao
24	1371	55.5	+10 40	10.1	G	..	55.8	+33 27	11.7	G5	1548	55.9	+ 4 52	10.3	K2	1557	56.1	+ 7 51	10.6	Ao
25	1478	55.5	+ 9 19	10.6	Ko	..	55.8	+31 17	11.8	Go	..	55.9	+ 3 21	10.8	A2	..	56.1	+ 7 14	11.4	G5
26	..	55.5	+ 9 9	11.0	Ao	1436	55.8	+29 56	11.4	K2	1507	55.9	+ 3 20	10.5	F5	..	56.1	+ 4 29	11.2	A
27	1606	55.5	+ 8 53	10.2	B5	1435	55.8	+29 37	10.6	Ko	..	56.0	+34 2	10.4	F8	..	56.1	+ 4 29	11.1	A
28	..	55.5	+ 8 26	11.0	A2	..	55.8	+29 15	11.8	Go	1466	56.0	+32 11	10.4	F8	1550	56.1	+ 4 13	11.2	A
29	..	55.5	+ 7 38	11.2	B8	..	55.8	+29 6	11.6	Ao	..	56.0	+32 3	11.4	F5	1472	56.2	+31 44	10.6	G5
30	1477	55.5	+ 6 46	10.3	A3	..	55.8	+27 14	10.8	F5	..	56.0	+31 1	11.9	F5	..	56.2	+30 4	10.7	A5
31	1545	55.5	+ 4 3	11.0	K7	1431	55.8	+26 44	10.0	Mo	1438	56.0	+29 32	10.0	A5	1440	56.2	+29 52	10.4	G5
32	1463	55.6	+32 18	10.7	Ko	..	55.8	+22 33	10.4	G5	1437	56.0	+29 7	11.0	Go	..	56.2	+28 52	11.8	G
33	..	55.6	+30 57	11.9	Go	1469	55.8	+21 39	9.6	A2	..	56.0	+28 35	11.7	Go	..	56.2	+28 26	10.6	Go
34	1397	55.6	+30 47	11.6	Ko	..	55.8	+20 53	10.9	G5	..	56.0	+28 25	10.2	Ao	..	56.2	+28 6	11.0	Go
35	1398	55.6	+30 37	10.7	K7	1670	55.8	+20 42	10.7	G5	1292	56.0	+28 21	9.6	A3	1303	56.2	+27 17	11.2	K7
36	1399	55.6	+30 36	11.4	K5	1449	55.8	+18 32	10.6	K5	..	56.0	+27 28	11.7	K7	1544	56.2	+25 22	10.8	Mo
37	..	55.6	+27 55	11.3	G5	1474	55.8	+17 10	10.7	K2	..	56.0	+26 46	11.0	A3	..	56.2	+25 17	10.7	Ao
38	..	55.6	+22 35	10.2	Ko	..	55.8	+14 35	11.0	A2	..	56.0	+26 25	10.6	F8	1555	56.2	+22 44	10.0	Ko
39	1468	55.6	+21 52	10.3	Ko	1516	55.8	+13 38	11.6	Ko	..	56.0	+25 37	10.2	A7	1554	56.2	+22 40	10.0	Go
40	..	55.6	+20 51	10.4	G5	1388	55.8	+12 42	10.5	F8	1499	56.0	+24 37	10.0	K5	1557	56.2	+22 39	10.2	F5
41	1447	55.6	+18 1	11.0	F5	..	55.8	+11 31	11.0	K5	..	56.0	+20 21	10.6	K2	1674	56.2	+20 38	10.4	Ao
42	..	55.6	+12 34	11.2	Fo	..	55.8	+ 9 20	11.0	A2	1580	56.0	+19 35	10.0	Ko	1673	56.2	+20 11	10.4	G5
43	..	55.6	+ 8 16	11.5	F2	..	55.8	+ 7 57	11.2	A2	..	56.0	+19 30	11.5	K	1672	56.2	+20 1	11.2	K7
44	..	55.6	+ 8 6	11.8	A3	..	55.8	+ 7 36	10.4	B5	1581	56.0	+19 6	10.4	G5	1583	56.2	+19 23	9.7	A7
45	1553	55.6	+ 7 40	10.6	Go	1480	55.8	+ 6 1	10.4	Ao	1360	56.0	+16 39	11.2	Ko	..	56.2	+19 22	10.2	Ao
46	1478	55.6	+ 6 55	10.2	A3	1547	55.8	+ 4 4	10.6	K5	1411	56.0	+11 56	10.4	Fo	..	56.2	+16 19	11.4	Ko
47	..	55.6	+ 6 1	10.8	G5	..	55.8	+ 4 2	11.1	K7	..	56.0	+11 1	11.4	Fo	..	56.2	+15 56	11.2	F2
48	1509	55.6	+ 5 42	10.4	K5	1506	55.8	+ 3 6	10.4	Ao	1480	56.0	+ 9 52	10.8	K5	..	56.2	+15 56	11.0	F8
49	1510	55.6	+ 5 3	10.6	Ao	..	55.9	+33 23	11.6	Ko	1611	56.0	+ 8 26	10.4	F8	..	56.2	+13 2	11.4	A2
50	..	55.6	+ 3 14	11.0	K7	..	55.9	+33 9	10.4	F2	..	56.0	+ 8 14	11.3	A	..	56.2	+12 59	11.6	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	56.2	+12 23	11.4	Go	..	56.4	+ 7 1	10.8	Ao	..	56.7	+24 53	11.2	A	..	56.8	+ 4 0	11.0	Ao
2	1392	56.2	+12 20	10.6	A7	..	56.4	+ 3 17	11.0	F2	1503	56.7	+24 38	10.0	Ko	1512	56.8	+ 3 27	10.0	Go
3	..	56.2	+ 9 41	11.4	A	1304	56.5	+27 29	9.0	A3	..	56.7	+24 25	11.2	Ko	..	56.9	+34 24	11.2	Go
4	1482	56.2	+ 9 33	10.2	F5	..	56.5	+27 23	11.0	G5	..	56.7	+23 16	10.9	K7	1460	56.9	+33 35	10.0	Ko
5	1483	56.2	+ 9 25	11.0	F5	..	56.5	+25 28	9.9	A3	*1475*	56.7	+20 57	10.4	Ko	..	56.9	+33 22	10.4	Fo
6		56.2	+ 9 25	10.5	G5	1576	56.5	+23 55	10.3	A2	1454	56.7	+18 29	10.7	K7	..	56.9	+33 14	11.5	Go
7	1559	56.2	+ 7 25	10.8	K8	1577	56.5	+23 50	10.0	A5	..	56.7	+16 55	11.3	Go	..	56.9	+32 40	10.7	F5
8	..	56.2	+ 5 36	11.4	F5	1578	56.5	+23 30	10.2	Ko	..	56.7	+16 16	10.6	F2	1467	56.9	+32 29	11.3	A7
9	..	56.2	+ 3 20	11.0	A5	..	56.5	+17 20	11.2	A2	..	56.7	+15 20	11.3	Go	..	56.9	+28 28	11.8	F2
10	1509	56.2	+ 3 9	10.6	G5	1524	56.5	+13 25	11.7	K5	..	56.7	+14 15	11.0	A5	..	56.9	+28 22	11.8	K2
11	..	56.3	+32 36	11.4	F8	..	56.5	+13 20	11.4	A	..	56.7	+14 10	11.4	K2	1305	56.9	+27 47	10.9	G5
12	1405	56.3	+30 27	11.0	K5	..	56.5	+13 8	11.3	G5	1488	56.7	+ 9 44	10.2	Ao	1306	56.9	+27 7	9.7	Fo
13	1501	56.3	+24 32	10.2	Ko	..	56.5	+12 23	11.4	Go	1487	56.7	+ 9 42	10.8	K8	..	56.9	+26 20	10.2	Go
14	..	56.3	+23 6	11.4	A	1379	56.5	+10 52	10.6	F8	1486	56.7	+ 9 4	10.9	G5	..	56.9	+25 8	11.2	K7
15	..	56.3	+22 34	11.0	G	1380	56.5	+10 39	10.8	K7	1489	56.7	+ 9 2	10.4	Mo	1508	56.9	+24 36	9.0	F2
16	1556	56.3	+22 7	9.5	A5	1378	56.5	+10 25	10.2	G5	..	56.7	+ 8 50	10.9	A7	1478	56.9	+21 18	10.0	F5
17	1473	56.3	+21 55	10.3	Ko	..	56.5	+ 7 57	11.2	Go	..	56.7	+ 7 55	10.8	A5	1479	56.9	+21 10	10.0	Ko
18	..	56.3	+21 29	10.6	Ao	1561	56.5	+ 7 26	10.7	Ao	1562	56.7	+ 7 26	10.9	K5	..	56.9	+17 15	11.0	Ao
19	..	56.3	+20 35	10.6	K2	..	56.5	+ 4 43	10.2	Ao	..	56.7	+ 5 19	11.4	A3	..	56.9	+17 1	11.2	A
20	1582	56.3	+19 48	10.6	G5	..	56.5	+ 3 51	11.0	Ao	..	56.7	+ 4 34	11.0	G5	..	56.9	+13 8	11.6	Ao
21	..	56.3	+19 21	10.2	A2	..	56.6	+34 48	11.4	G	..	56.8	+31 38	11.8	G	..	56.9	+10 5	10.4	Ao
22	1452	56.3	+18 8	10.0	K7	..	56.6	+32 24	11.4	F8	..	56.8	+31 14	11.4	K5	..	56.9	+ 9 13	11.6	A
23	1476	56.3	+17 11	10.2	F8	1475	56.6	+31 5	9.6	A5	..	56.8	+28 36	10.8	Go	1488	56.9	+ 6 13	10.4	A2
24	..	56.3	+16 15	11.1	F5	..	56.6	+30 27	11.6	F8	1438	56.8	+26 8	9.8	Go	..	56.9	+ 5 34	11.2	Ko
25	..	56.3	+14 26	11.2	F2	..	56.6	+30 22	11.1	A2	*1437*	56.8	+25 56	10.0	A5	..	56.9	+ 5 28	11.4	K7
26	..	56.3	+13 27	11.2	Go	..	56.6	+30 14	11.8	Go	1505	56.8	+24 55	10.8	K7	..	56.9	+ 5 3	11.2	Fo
27	1377	56.3	+10 54	10.4	Ao	1474	56.6	+21 38	10.7	Ko	1504	56.8	+24 44	10.2	K5	1514	57.0	+34 43	11.1	F8
28	1485	56.3	+ 6 56	10.8	Ao	1587	56.6	+19 23	9.6	K7	..	56.8	+24 37	10.4	K5	..	57.0	+33 11	11.4	Go
29	1484	56.3	+ 6 53	10.5	Ko	1453	56.6	+18 17	9.8	Fo	1507	56.8	+24 4	9.2	G	1477	57.0	+31 43	11.4	F5
30	..	56.3	+ 6 3	11.5	A	..	56.6	+14 12	11.6	Ko	..	56.8	+23 21	10.9	Fo	..	57.0	+31 23	11.9	F2
31	..	56.3	+ 5 46	11.0	A5	..	56.6	+13 46	11.6	Ao	1559	56.8	+22 15	9.9	Ko	*1476*	57.0	+30 58	11.4	Go
32	..	56.4	+34 50	11.6	Ko	1525	56.6	+13 32	11.0	F8	1476	56.8	+21 53	9.6	Ko	..	57.0	+30 46	11.0	G5
33	..	56.4	+32 45	11.4	F8	..	56.6	+13 22	10.5	Go	..	56.8	+21 9	10.3	G5	1294	57.0	+28 7	9.7	Fo
34	..	56.4	+32 22	11.2	F8	1394	56.6	+12 43	10.3	Ko	1477	56.8	+21 3	10.7	K5	1549	57.0	+25 44	10.0	G5
35	..	56.4	+32 2	10.9	A2	1415	56.6	+11 53	10.4	F5	..	56.8	+19 11	10.1	A5	1550	57.0	+25 23	10.0	Go
36	..	56.4	+30 1	11.5	Go	..	56.6	+10 7	10.5	Ao	1455	56.8	+18 28	9.4	Ko	..	57.0	+23 28	11.2	K2
37	..	56.4	+28 15	11.0	Ao	..	56.6	+ 9 20	10.6	Ao	1364	56.8	+16 2	11.1	F5	..	57.0	+22 33	10.2	Fo
38	..	56.4	+25 42	10.0	F8	..	56.6	+ 8 17	11.2	A	..	56.8	+15 50	11.4	K5	1677	57.0	+20 52	9.4	A2
39	..	56.4	+22 17	10.6	Ko	1615	56.6	+ 8 2	11.2	A	..	56.8	+14 13	11.4	F5	1676	57.0	+20 25	9.6	Ko
40	..	56.4	+22 15	10.6	K7	1487	56.6	+ 6 33	10.2	Ko	..	56.8	+13 53	11.2	A3	*1456*	57.0	+17 58	10.5	K2
41	1675	56.4	+20 9	10.2	F5	1486	56.6	+ 6 10	10.2	A7	1526	56.8	+13 19	10.9	A7	..	57.0	+17 45	10.4	B9
42	1585	56.4	+19 41	10.1	Go	1511	56.6	+ 3 51	9.7	Ao	1396	56.8	+12 16	11.1	Ko	..	57.0	+17 23	10.8	A3
43	1584	56.4	+19 36	9.6	K2	1456	56.7	+33 44	10.2	F2	..	56.8	+12 8	11.1	Go	..	57.0	+12 21	11.4	A5
44	..	56.4	+17 9	10.0	F8	1457	56.7	+33 37	10.7	F5	1381	56.8	+10 39	10.1	Ao	..	57.0	+11 53	11.3	A5
45	..	56.4	+14 36	11.0	Ko	..	56.7	+32 34	10.8	K5	..	56.8	+ 9 18	10.5	A5	..	57.0	+11 51	12.0	A
46	..	56.4	+13 59	11.6	Ao	..	56.7	+31 59	11.5	F5	..	56.8	+ 8 39	11.4	G5	1418	57.0	+11 35	10.8	K7
47	..	56.4	+13 19	11.3	A	..	56.7	+30 36	11.2	F5	1616	56.8	+ 8 6	10.6	G5	1416	57.0	+11 34	10.8	K5
48	..	56.4	+13 3	11.5	G5	1293	56.7	+28 40	9.9	A2	..	56.8	+ 7 23	11.4	F	1419	57.0	+11 33	10.1	A2
49	1393	56.4	+12 8	11.1	K7	1436	56.7	+26 11	10.5	G5	1554	56.8	+ 4 24	9.4	Fo	1417	57.0	+11 13	10.8	G5
50	1485	56.4	+ 9 54	9.8	Fo	1547	56.7	+25 2	10.4	K5	1553	56.8	+ 4 7	10.4	K5	..	57.0	+10 39	10.6	Ao

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H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	57.0	+ 6 23	10.7	A5	1515	57.2	+ 3 24	11.0	K5	..	57.5	+34 44	11.3	F	1513	57.7	+24 31	9.2	F8
2	1556	57.0	+ 4 8	10.5	A3	..	57.2	+ 3 2	11.0	A	1469	57.5	+32 35	10.4	M2	*1485*	57.7	+20 58	10.2	Ao
3	1513	57.0	+ 3 30	10.9	K2	..	57.3	+34 21	10.9	F5	1409	57.5	+30 14	10.2	Ko	1684	57.7	+20 4	9.7	A2
4	..	57.1	+33 15	11.8	Ko	1297	57.3	+28 28	10.4	Go	..	57.5	+29 46	10.2	Go	..	57.7	+13 37	11.4	Ao
5	..	57.1	+31 54	12.0	F8	1579	57.3	+23 20	10.0	Ko		57.5	+28 58	10.3	F8	..	57.7	+13 29	11.5	Fo
											1444									
6	1479	57.1	+31 12	10.0	F5	1482	57.3	+21 52	10.6	K7		57.5	+28 58	10.2	Fo	1401	57.7	+12 42	10.4	K2
7	1478	57.1	+31 4	11.0	K7	..	57.3	+21 34	10.6	Go	..	57.5	+28 25	11.5	Go	..	57.7	+12 31	10.9	Fo
8	..	57.1	+30 3	11.4	F2	..	57.3	+21 27	11.0	Ko	1512	57.5	+24 46	9.4	Go	1402	57.7	+12 25	10.4	K7
9	1295	57.1	+28 26	12.0	G5	1679	57.3	+20 54	9.3	Ao	..	57.5	+22 21	11.0	G5	..	57.7	+ 9 33	11.0	A
10	1440	57.1	+26 48	9.0	A2	..	57.3	+18 43	10.9	Ao	1682	57.5	+20 16	9.5	Ao	1495	57.7	+ 6 26	10.3	G5
11	*1441*	57.1	+25 57	10.0	F5	..	57.3	+14 26	11.8	K7	1683	57.5	+20 5	10.4	Ko	..	57.7	+ 5 5	11.2	K7
12	..	57.1	+23 57	11.2	K5	1399	57.3	+12 54	10.4	Ao	..	57.5	+19 59	11.4	F2	..	57.8	+32 21	10.6	A7
13	1560	57.1	+22 47	9.6	A3	..	57.3	+10 2	10.6	Ao	1589a	57.5	+19 21	10.2	F5	..	57.8	+32 11	11.6	Go
14	1678	57.1	+20 41	10.2	Ko	..	57.3	+ 9 30	11.2	K5	1482	57.5	+17 55	11.4	K5	..	57.8	+30 17	12.0	Ko
15	..	57.1	+20 14	10.5	K7	..	57.3	+ 8 10	11.2	A	..	57.5	+16 20	11.0	F8	..	57.8	+29 59	11.8	G5
16	1457	57.1	+18 1	10.2	Mo	..	57.3	+ 5 8	11.2	A3	..	57.5	+16 17	11.6	Ao	1445	57.8	+29 44	10.6	F5
17	..	57.1	+17 33	11.3	Ko	1558	57.3	+ 4 40	9.5	A3	..	57.5	+12 38	11.0	K2	..	57.8	+29 41	11.9	G
18	..	57.1	+16 54	10.8	Ko	1557	57.3	+ 4 0	10.8	F2	1423	57.5	+11 31	10.6	G5	1558	57.8	+25 41	8.8	Go
19	..	57.1	+16 8	10.8	Fo	..	57.3	+ 3 53	11.3	A2	1622	57.5	+ 8 43	10.4	K8	1557	57.8	+25 33	9.7	K2
20	1529	57.1	+13 14	11.2	F5	..	57.4	+34 36	10.7	F8	1570	57.5	+ 7 34	10.8	Ao	..	57.8	+24 23	11.2	A
21	..	57.1	+12 5	11.2	G5	..	57.4	+33 26	11.6	F2	1494	57.5	+ 6 10	10.0	A3	1580	57.8	+23 13	9.7	A2
22	1420	57.1	+11 35	10.2	Go	..	57.4	+33 6	11.0	Go	1518	57.5	+ 5 37	11.3	Ko	1461	57.8	+18 0	11.4	Mo
23	1382	57.1	+10 53	11.2	K5	1468	57.4	+32 40	10.0	Go	..	57.5	+ 5 13	11.2	K5	..	57.8	+11 9	10.8	G5
24	1383	57.1	+10 7	10.8	K2	..	57.4	+31 17	10.8	F2	1559	57.5	+ 4 49	10.2	Ko	..	57.8	+10 40	10.3	A3
25	..	57.1	+10 0	10.2	Ao	..	57.4	+31 2	12.0	G5	..	57.5	+ 3 1	11.4	F8	1495	57.8	+ 9 27	10.4	K5
26	..	57.1	+ 9 18	11.4	K2	..	57.4	+30 17	10.3	F5	..	57.6	+33 46	11.2	A	1626	57.8	+ 8 55	10.5	Ao
27	1492	57.1	+ 9 10	10.8	K8	1407	57.4	+30 7	10.2	G5	..	57.6	+32 31	11.4	G5	1627	57.8	+ 8 19	10.3	Ko
28	..	57.1	+ 8 40	10.1	Ao	1442	57.4	+29 49	9.2	A3	1480	57.6	+31 56	10.2	A2	1463	57.9	+33 8	10.8	Ko
29	1566	57.1	+ 7 24	11.4	G5	1298	57.4	+28 46	10.3	K5	..	57.6	+31 7	11.6	F5	1471	57.9	+32 2	10.4	A3
30	..	57.1	+ 7 14	10.8	F5	1299	57.4	+28 33	10.6	A7	1443	57.6	+29 52	10.8	K2	1411	57.9	+30 6	10.7	Ko
31	..	57.1	+ 3 6	10.9	Ko	1553	57.4	+25 28	8.8	Ko	..	57.6	+29 36	11.1	Go	..	57.9	+30 6	11.9	G
32	..	57.2	+34 14	11.0	F8	*1554*	57.4	+24 59	9.8	A2	1300	57.6	+28 38	10.6	K2	1309	57.9	+27 50	10.3	Ko
33	..	57.2	+33 54	10.0	Ao	1511	57.4	+24 44	9.6	K2	..	57.6	+22 5	9.9	F8	1442	57.9	+26 27	9.6	F2
34	1462	57.2	+33 11	11.7	G5	..	57.4	+23 44	10.8	K2	1483	57.6	+21 44	9.8	A2	1444	57.9	+26 20	10.0	Ko
35	..	57.2	+32 8	10.8	F5	..	57.4	+23 0	12.0	K	..	57.6	+18 20	9.6	A2	1443	57.9	+26 8	10.2	G5
36	1296	57.2	+28 31	10.4	B8	..	57.4	+22 54	10.2	F8	..	57.6	+17 32	10.3	Ko	1559	57.9	+25 54	11.0	Mo
37	1552	57.2	+25 2	11.1	K7	..	57.4	+21 23	10.7	K2	..	57.6	+16 20	11.2	A3	1514	57.9	+24 47	10.8	K5
38	1510	57.2	+24 40	9.6	F8	1681	57.4	+20 32	10.4	A7	..	57.6	+13 49	11.2	Fo	1486	57.9	+21 37	9.7	Go
39	..	57.2	+23 8	11.1	K2	..	57.4	+19 30	11.0	Go	..	57.6	+11 2	10.7	A3	..	57.9	+13 4	10.6	Go
40	1561	57.2	+22 33	9.9	Ko	1589	57.4	+19 27	9.9	Ao	1388	57.6	+10 48	10.1	A2	1390	57.9	+10 24	9.6	F5
41	1481	57.2	+17 7	10.8	G5	1458	57.4	+18 50	10.5	Go	..	57.6	+10 26	11.0	K2	1520	57.9	+ 3 11	11.0	Ko
42	..	57.2	+12 9	11.4	G5	..	57.4	+13 28	11.5	F5	..	57.6	+ 9 27	11.8	K7	1521	57.9	+ 3 4	10.6	F8
43	..	57.2	+11 1	10.7	Ao	1400	57.4	+12 43	10.0	Go	1623	57.6	+ 8 45	10.2	Ao	..	58.0	+33 57	10.5	A2
44	1385	57.2	+10 18	10.6	Ao	1387	57.4	+10 44	10.8	K7	1624	57.6	+ 8 22	10.1	F8	..	58.0	+32 33	11.6	F5
45	1386	57.2	+10 8	10.2	Ao	..	57.4	+ 9 45	10.5	Ko	1625	57.6	+ 8 15	10.5	Ko	..	58.0	+32 16	10.8	Fo
46	..	57.2	+ 8 27	11.2	Ao	..	57.4	+ 8 37	11.6	K7	1519	57.6	+ 5 34	11.0	G5	..	58.0	+30 35	11.8	G
47	..	57.2	+ 8 22	11.9	K5	1621	57.4	+ 8 21	11.0	K5	..	57.7	+31 11	11.6	G5	1446	58.0	+29 21	10.4	K2
48	1567	57.2	+ 7 42	10.5	F8	1942	57.4	+ 6 28	10.6	Go	1410	57.7	+30 50	10.0	B9	1445	58.0	+26 46	9.6	F2
49	1490	57.2	+ 6 53	11.0	Ko	1491	57.4	+ 6 2	10.0	A2		57.7	+30 50	10.2	A5	..	58.0	+25 21	10.8	F8
50	..	57.2	+ 4 38	11.1	Ao	*1518*	57.4	+ 2 59	10.5	Ao	..	57.7	+27 16	11.0	A7	..	58.0	+25 9	11.2	G5

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268500

$6^h\ 58^m.0$ to $6^h\ 59^m.8$

H.D.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	B.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	1515	58.0	+24 22	8.7	Ao	*1302*	58.3	+27 57	10.3	A7	1305	58.6	+28 16	9.3	Go	..	59.1	+34 44	11.8	A5
2	1581	58.0	+23 49	10.2	K2	..	58.3	+27 44	10.4	Ko	1596	58.6	+19 42	10.9	A2	..	59.1	+33 13	10.3	A2
3	1582	58.0	+23 33	10.2	Ko	..	58.3	+26 31	11.0	Go	1527	58.6	+ 3 39	10.9	K7	..	59.1	+32 20	11.3	G5
4	1685	58.0	+20 27	10.1	G5	1560	58.3	+25 16	10.0	F5	..	58.7	+34 47	11.3	A7	1486	59.1	+31 49	10.9	F8
5	1592	58.0	+19 47	9.6	A3	1516	58.3	+24 0	10.0	Go	..	58.7	+33 9	11.5	F8	1485	59.1	+31 6	10.5	Ao
6	1426	58.0	+11 4	10.2	Mo	..	58.3	+14 5	11.6	A3	1483	58.7	+31 50	10.2	Ao	1310	59.1	+27 17	9.9	F8
7	..	58.1	+33 23	11.6	Ko	1526	58.3	+ 3 26	10.5	Ko	1566	58.7	+25 39	10.5	Fo	..	59.2	+34 49	11.2	Go
8	..	58.1	+33 5	11.1	Go	..	58.4	+31 12	12.1	K	1528	58.7	+ 3 45	10.5	G5	1414	59.2	+30 0	10.7	K2
9	1472	58.1	+32 15	10.1	A3	1481	58.4	+31 9	11.6	F8	..	58.7	+ 3 25	11.8	A	..	59.2	+ 3 43	11.4	A
10	1446	58.1	+26 29	9.0	G5	..	58.4	+30 46	11.7	F8	1522	58.8	+34 52	11.8	Mo	..	59.2	+ 3 14	11.1	B9
11	1447	58.1	+26 18	9.8	Ko	1447	58.4	+29 10	10.8	Go	..	58.8	+34 48	10.4	Ao	..	59.3	+33 13	10.9	F2
12	..	58.1	+23 23	10.8	G5	1304	58.4	+28 53	10.6	A2	..	58.8	+34 20	11.0	F5	..	59.3	+31 46	11.0	A2
13	1594	58.1	+19 42	11.5	Ko	..	58.4	+28 45	10.6	Go	..	58.8	+28 26	11.8	G5	..	59.3	+ 3 29	10.9	K5
14	1405	58.1	+12 54	10.6	Ko	1563	58.4	+25 31	9.8	F8	*1306*	58.8	+27 56	10.1	Ko	..	59.4	+33 59	11.2	F5
15	1473	58.2	+32 10	10.8	K2	..	58.5	+31 36	11.3	A5	..	58.9	+34 2	11.3	F5	1476	59.4	+32 12	10.2	Ko
16	1301	58.2	+28 49	10.4	K5	..	58.5	+31 5	12.0	G5	1474	58.9	+32 48	11.6	Ko	1415	59.4	+30 47	9.9	A5
17	..	58.2	+27 13	10.5	Go	1412	58.5	+30 24	10.0	G5	1475	58.9	+32 3	9.6	A2	1532	59.4	+ 3 25	10.9	Ko
18	1686	58.2	+20 44	8.4	G	1448	58.5	+29 38	11.6	K2	..	58.9	+30 59	11.6	G	1531	59.4	+ 3 17	10.0	K5
19	1525	58.2	+ 3 48	9.3	A2	..	58.5	+29 21	11.7	F8	..	59.0	+33 34	10.1	G5	*1551*	59.5	+34 57	11.0	G5
20	..	58.2	+ 3 44	11.2	A	1407	58.5	+12 31	9.8	A7	..	59.0	+31 16	11.2	F5	..	59.6	+34 44	11.2	F8
21	1524	58.2	+ 3 28	10.0	Ao	..	58.5	+ 3 39	10.4	Ao	..	59.0	+29 57	10.5	Ao	1488	59.6	+31 11	10.8	Go
22	1519	58.3	+34 38	11.0	F8	1466	58.6	+33 3	9.5	F8	1567	59.0	+25 36	9.9	G5	..	59.7	+33 13	10.8	F5
23	..	58.3	+33 16	11.4	Go	1449	58.6	+29 38	11.2	G5	1529	59.0	+ 3 40	10.5	Ao	..	59.8	+33 12	11.2	Ko
24	..	58.3	+30 55	12.0	G5	..	58.6	+29 19	10.6	F5	..	59.0	+ 3 20	10.6	B8	1490	59.8	+31 26	10.0	A7
25	1303	58.3	+28 3	11.5	Ko	..	58.6	+28 58	11.0	G5	..	59.0	+ 3 9	11.2	A	1489	59.8	+31 15	10.5	Mo

$+3°.0$ to $+34°.0$

The following errata in No. 1 of this volume have been found at this Observatory.

ERRATA

H.D.	Column	For	Read	H.D.	Column	For	Read
225589	Mag.	11.6	10.8	226173	Dec.	+35 32	+34 32
225767	Dec.	+38 44	+37 44	226404	Mag.	11.8	10.8
225966	B.D.	..	3623	226417	Mag.	10.7	8.6
"	Dec.	+37 43	+37 36	226689	B.D.	3659	3659a
"	Sp.	Go	M	227430	Mag.	10.5	11.5
225967	Sp.	M	Go	227905	Sp.	Ko	Fo

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ANNALS OF HARVARD COLLEGE OBSERVATORY. VOL. 100, NO. 6

THE HENRY DRAPER EXTENSION

By ANNIE J. CANNON

This, the sixth instalment of the Henry Draper Extension, completing Volume 100 of the Harvard Annals, contains the spectra of 3550 stars in the region of the Large Magellanic Cloud.

The classification was made by means of two excellent photographs, taken on December 12 and 14, 1925 at Chuquicamata, Chile, with the 10-inch Metcalf telescope, each having an exposure of 90 minutes and centered at $5^h.4$, $-69°$. These two plates were supplemented by several recent photographs taken at Bloemfontein with the 24-inch Bruce telescope which were especially effective in revealing bright lines in faint objects.

The catalogue giving the results is divided into two portions. For the central crowded portion, containing the rich star fields of the Cloud and covering thirty seven square degrees, rectangular coordinates are given instead of right ascensions and declinations. The reticle, the zero points, and the method of reading off the positions are the same as those used for the variable stars published in Harvard Annals, **60**, No. 4, where on pages 87 and 88 a detailed description of the procedure may be found. The approximate center of the reticle has the coordinates, x = 12125″, y = 10554″, and the corresponding position is R.A. = $5^h25^m.7$, Dec. = 69°0′ (1900). The equatorial limits of this portion in right ascension are from about 4^h50^m to 6^h0^m and in declination, from $-66°.5$ to $-71°.5$.

The second part of the catalogue contains the classification of stars in the hollow square surrounding the central region, and the form is the same as in Number 5 of this volume.

The photographic magnitudes were determined by Mrs. Margaret Walton Mayall and several assistants according to the methods used for previous numbers of the Extension. They are based on five standard sequences adopted for the study of the variable stars in the Cloud, with the addition of eight secondary sequences, all of which are reduced to the International scale.

For clusters and nebulae, it was generally possible to make an estimate of the integrated light. For objects that were too diffuse for such estimates the abbreviations Cl and Neb are used instead of magnitudes.

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Clusters and Nebulous Objects

H.D.	N.G.C.	H.D.	N.G.C.	H.D.	N.G.C.
268626	1695	269210	1872	269838	2056
268637	1698	269211	..	269848	..
268671	1735	269215	1881	269852	2040
268677	1704	269220	1878	269856	2058
268680	1736	269295	1902	269872	2041
268688	..	269298	1898	269877	2065
268706	1711	269341	1913	269930	2074
268712	1732	269347	1916	269937	2077
268746	1755	269367	1918	269942	..
268759	..	269372	1920	269950	2084
268764	..	269379	..	269952	2085
268781	..	269388	1922	269996	2088
268782	1774	269390	..	270018	2102
268792	..	269404	..	270020	2107
268796	..	269405	..	270025	2096
268802	..	269407	1929	270034	2098
268823	1786	269419	1939	270057	2108
268830	1772	269430	1940	270074	2109
268832	1766	269443	*2128*	270077	2113
268848	1782	269450	1943	270138	2118
268850	1805	269501	..	270182	2133
268894	1810	269511	1953	270190	2134
268913	1806	269515	1951	270215	2127
268917	..	269554	1971	270238	..
268921	..	269555	..	270248	2136
268925	1801	269574	1984	270295	2130
268931	1814	269579	1986	270321	2135
268933	1816	269601	..	270370	2157
268982	1825	269603	1978	270393	2156
268991	1815	269642	2005	270395	2159
268996	1828	269647	2002	270409	2160
269005	1836	269657	2004	270420	2164
269014	1834	269664	..	270443	2172
269016	1835	269686	2006	270921	1783
269019	1839	269699	2019	271001	1831
269021	1844	269716	2025	271116	1882
269023	..	269718	2011	271203	1932,3
269025	1846	269725	2014	271224	1944
269052	1837	269730	..	271255	..
269054	1847	269750	2031	271303	2000
269105	1856	269772	2038	271312	..
269111	1858	269803	2029	271389	2030
269142	..	269812	2051	271628	2123
269158	1863	269822	2037	272034	2210
269206	1870	269824	2035	272055	2214

The variable stars in the Cloud are, in general, too faint for their spectra to appear on these plates. Those whose spectra were observed are listed below together with their identifications. The variability of H.D. 271924 was found during the progress of this investigation and has not been announced previously.

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H.D.	Identification	H.D.	Identification	H.D.	Identification
268803	H.V. 5509	269320	RW Doradus	270041	H.V. 6024
268878	H.V. 2257	269362	H.V. 2447	270419	H.V. 2882
268898	RX Doradus	269368	H.V. 5748	271044	U Doradus
269075	H.V. 900	269582	H.V. 5495	271924	H.V. 7641
269168	H.V. 5650	269680	H.V. 2622		

In relation to the classification, the following notes are appended:

Colon. A colon placed after the class of spectrum indicates uncertainty, due generally to the superposition of adjacent spectra or nebulosity.

Con. Lines not seen except sometimes in the ultra-violet region. These spectra are suspected to be of late O or early B types.

Class O. Subdivision was not always possible, since the emission band at 4640 was often the only visible part of the spectrum.

Class P. Subdivisions were omitted on account of the differences in the relative intensities of the nebular and hydrogen lines on photographs with the 10-inch and 24-inch telescopes.

Pec. All the spectra thus classed in this table belong to the P Cygni type. They are H.D. 269217, 269227, 269582, 269599, and 269858.

Asterisk. An asterisk in the last column indicates that reference is made not to a single star but to the integrated light of a cluster or nebula or nebulous star. A list of these objects is given on page 206, with the identification in the New General Catalogue of Dreyer when contained therein. In the case of H.D. 269443 the reference is to the Second Index Catalogue.

It is proposed to continue the publication of the Henry Draper Extension in a form differing from that in the present volume. Instead of the tabular form, Henry Draper Charts will be issued. The charts will be reproductions of a Harvard photograph on which each star whose spectrum can be determined will be marked with the H.D. current number and the observed class of spectrum.

This method of publication will insure an early issue of a large number of observations already made, and a more rapid continuation of classification, without the delay occasioned by the laborious work of determining magnitudes and positions. If photographs are used, identifications can be made by inspection; otherwise, the inclusion on the charts of all the stars contained in the Henry Draper Catalogue will furnish positions from which fainter objects may be measured.

The first charts to be published are centered at 5^h10^m, $-45°$, a region having nearly the same galactic latitude as the Large Magellanic Cloud. It was selected for the purpose of comparing the results with those from the Cloud.

JULY, 1936

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268600 Large Magellanic Cloud†

H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	0	610	10.9	G5	..	740	2556	11.4	F2	..	1506	10762	11.4	Ko	..	2118	10906	11.9	K5
2	..	0	4540	11.0	G5	..	760	12940	12.1	K7	71 287	1514	2296	10.6	Ko	..	2120	11600	12.0	G5
3	68 279	4	9890	10.7	Go	67 358	764	16786	10.5	Bo	67 363	1514	14478	11.3	K2	..	2128	864	11.4	F8
4	..	14	1978	11.9	Ko	69 290	780	7480	10.3	Bo	69 301	1524	10000	10.6	F5	68 292	2144	10592	10.8	Ko
5	67 355	60	13966	11.0	B	..	796	6284	11.3	K5	..	1528	1296	11.8	K7	..	2174	2220	11.7	F5
6	..	84	7904	11.9	K5	..	798	5652	11.8	K7	70 320	1538	5661	8.8	G*	..	2186	18720	11.8	K7
7	..	84	11100	11.8	G5	..	800	7578	11.0	B	70 319	1544	4002	11.4	G5	69 303	2232	8618	10.5	Mo
8	..	94	16966	11.8	K5	..	812	8340	11.6	G5	..	1546	8992	11.5	F5	..	2244	8000	12.0	K2
9	..	96	8540	11.0	Ko	..	820	10956	11.8	K2	70 322	1560	6358	11.1	G5	..	2256	11073	12.0	F2*
10	..	104	4282	11.8	K5	..	844	10890	11.4	K5	..	1564	3376	11.9	F8	..	2268	9530	12.0	F8
11	..	120	19520	12.0	Ko	68 283	860	11856	11.4	G5	..	1564	20236	11.4	G5	..	2290	12080	12.3	Mo
12	..	124	8158	11.9	G5	..	874	6920	11.6	Ko	..	1590	10575	11.6	F5:*	..	2300	780	12.0	G5
13	..	134	11080	11.8	G5	..	889	5849	12.4	K5	66 342	1594	17946	10.6	Ko	..	2304	3896	11.9	A
14	..	140	9040	11.9	K5	..	938	20216	12.4	K	68 289	1620	12958	11.4	G5	..	2304	9176	12.0	A*
15	..	160	10456	12.1	K7	69 292	980	6592	10.4	Ac	..	1620	18780	11.5	B	67 373	2320	16020	10.2	F8
16	..	174	19710	11.5	K5	67 359	980	15140	11.2	F2	..	1620	20036	12.2	Ko	..	2360	16676	11.3	G5
17	..	178	9188	11.4	K7	..	1024	18978	11.1	Fo	68 286	1624	11461	10.4	Go	70 326	2366	4280	10.3	F8
18	..	180	8202	11.4	Go	..	1106	16218	12.9	A5	69 299	1632	7736	10.6	B	67 371	2380	14604	10.0	Fo
19	..	180	10610	10.8	F5	..	1120	16204	12.9		67 367	1660	15038	11.2	B	..	2384	11570	11.4	G
20	..	192	4703	12.2	Ko	66 341	1120	19300	11.0	Ko	..	1700	19862	12.4	K5	69 304	2386	7639	11.5	K2
21	..	196	16864	11.3	K7	..	1136	16200	11.0	A5*	66 345	1718	18834	11.8	B	..	2400	2026	11.9	K5
22	..	204	7456	11.4	G5	66 340	1140	17736	11.0	A2	67 365	1738	13840	11.4	Go	67 372	2400	15004	10.5	F2
23	66 335	214	17416	11.5	B2	..	1144	6944	12.1	Ko	..	1748	10830	11.6	K2	70 325	2420	3062	10.9	Go
24	..	240	4430	12.9	K7	..	1146	14604	12.2	K7	67 368	1758	15540	9.8	G5	..	2424	7140	11.8	B:
25	..	256	12800	11.6	K5	66 339	1160	17480	10.7	Oe5	68 287	1760	10474	11.7	K2	67 374	2426	16576	11.2	F8
26	..	262	7697	12.4	G*	69 293	1180	6746	10.8	Mo	66 346	1760	18888	11.3	B	69 305	2432	7624	10.2	Go
27	..	264	5422	12.2	G5	..	1186	6457	11.4	F:*	..	1762	17596	11.6	B	..	2434	11634	11.3	Ko
28	70 315	290	2906	11.0	K5	68 285	1192	13460	11.2	Go	..	1778	4348	11.8	K5	..	2438	5380	11.7	K5
29	..	318	12080	12.6	K2	69 294	1204	7296	11.4	Ko	68 288	1796	10364	10.7	B	..	2438	10816	11.6	F5
30	..	320	10063	11.8	K2	..	1208	12717	12.9	P*	..	1798	344	11.8	K5	..	2440	9500	12.8	Ko
31	..	340	7760	11.4	Ko	..	1240	14762	12.1	K5	..	1802	14940	11.8	K2	..	2515	19255	11.6	Fo*
32	..	350	8626	11.6	F5	..	1246	8748	12.7	K2	..	1822	18216	11.0	B	67 375	2520	15860	9.8	A3*
33	..	380	1054	11.8	F5	..	1258	9756	11.8	K2	..	1864	4642	11.8	F8	..	2570	8500	12.0	Mo
34	..	390	19388	12.2	K7	..	1260	6304	12.4	Mo	67 370	1872	17074	10.7	F8	..	2600	13006	11.6	K5
35	..	438	8338	11.6	F5	67 361	1278	15642	11.2	B	67 369	1880	15582	11.1	Ko	..	2602	3438	11.8	Ko
36	66 337	490	18540	10.6	Ko	..	1286	17942	12.1	Ko	71 288	1884	536	10.8	Go	..	2604	18156	11.8	K5
37	..	525	8696	12.0	G:*	69 296	1308	7662	11.1	F2	..	1904	9258	12.0	Mo	69 306	2644	7876	11.4	Ko
38	..	540	2260	12.1	Ko	..	1331	12148	11.5	A5*	66 348	1926	19820	10.5	K2	..	2660	7200	11.7	B
39	..	550	10275	12.1	F2	69 298	1332	8532	11.1	K5	..	1930	1696	11.8	K5	..	2694	2832	12.0	Ko
40	..	556	1576	11.8	Mo	67 362	1340	15684	11.2	B	..	1940	6042	12.7	K7	68 297	2700	13042	11.2	Fo
41	71 283	576	1758	10.2	F5	..	1380	14738	11.5	K7	68 291	1964	11340	11.0	F8	66 352	2700	18410	11.6	Ko
42	..	588	10970	12.5	K7	67 366	1386	16840	10.0	F5	70 323	1978	4782	11.0	F5	..	2724	10178	12.2	G:*
43	..	596	6714	11.4	G5	..	1412	7606	11.8	F8	66 347	2006	18660	11.1	B	70 328	2735	5666	10.2	Go
44	..	618	2636	11.2	G5	69 297	1418	7146	11.4	G5	..	2020	342	11.2	K2	..	2736	558	11.9	Ko
45	..	660	19492	11.6	K7	..	1422	7926	11.6	F2	..	2020	20082	12.8	K7	71 294	2744	1804	10.8	F5
46	67 357	664	15158	11.2	K2	..	1426	2924	11.4	Ko	68 293	2032	12272	8.4	Ao*	..	2750	6996	10.3	B*
47	69 291	670	8432	10.7	Go	..	1440	17610	11.8	G5	..	2058	15480	12.0	A5	..	2760	17356	12.0	G5
48	..	694	18354	11.8	K2	..	1472	10328	11.4	G5	..	2087	14060	11.8	F5	68 295	2764	11584	10.8	B:
49	..	716	1004	11.2	Go	68 284	1486	10992	11.1	Go	..	2100	7864	11.6	Go	69 308	2776	10096	10.4	Go
50	70 317	736	4940	10.9	G5	71 285	1504	1656	10.4	K2	..	2106	15882	12.2	Ko	..	2780	2726	12.4	K2

† See Introduction, p. 205.

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	69 307	2785	7822	11.1	B	..	3520	10748	11.9	B8	..	4122	4326	12.1	K7	70 351	4882	4158	11.2	K5
2	..	2796	9605	12.6	G:*	..	3530	9060	11.8	K5	..	4128	4544	12.2	K5	69 324	4896	8520	11.0	Go
3	..	2796	11320	Var	Mo	70 333	3532	3664	11.4	Ko	..	4135	1810	12.2	G5	70 349	4902	3538	9.8	G5
4	68 296	2810	11624	11.1	B:	69 313	3536	7142	10.8	Ao	66 369	4136	18446	10.6	G5	66 373	4916	19836	11.5	K2
5	70 327	2834	4414	10.4	Go	..	3540	2402	11.9	G5	..	4140	12996	11.4	K5	..	4936	9646	11.7	K5
6	..	2848	19462	11.9	K7	..	3540	10296	11.4	K2	70 340	4152	4048	11.2	G5	..	4978	18460	12.0	A7
7	..	2857	8573	10.6	B	..	3540	19580	13.0	K5	67 383	4160	17100	10.0	B	70 353	4980	5916	9.9	F5
8	66 354	2864	19740	11.3	Ko	..	3544	19282	12.6	K5	66 370	4164	18290	10.6	K5	..	4996	2337	12.0	F5
9	..	2876	8526	11.4	B	..	3584	2858	12.1	K2	70 342	4196	6460	11.1	K5	69 325	5010	8510	11.2	Go
10	..	2898	5024	12.2	K5	67 379	3620	16510	11.1	K2	..	4200	10156	11.5	F5	..	5020	9660	11.5	Con
11	..	2918	4643	12.6	K7	..	3624	2616	12.1	K5	..	4230	1072	11.8	Ko	..	5040	7056	11.8	A
12	..	2920	14040	12.1	K	70 335	3636	3326	11.5	F5	70 344	4260	6500	11.5	Go	..	5054	6022	11.4	B:
13	..	2942	4178	11.6	K5	68 301	3640	12470	11.6	K7	..	4260	13366	11.6	G:*	..	5100	2774	13.0	K5
14	..	2957	9150	11.7	Ko	..	3660	4724	12.0	F5	..	4300	4030	11.8	K7	70 354	5106	3810	11.2	B
15	..	2962	1424	12.2	K7	..	3666	11336	11.4	Ko	..	4300	10506	11.4	K5	..	5124	4656	11.5	G5
16	..	2982	5340	11.6	F2	..	3676	9566	12.4	K7	..	4300	15920	12.2	K5	..	5130	14716	11.9	Mo
17	..	2998	10837	12.0	Fo	70 338	3692	6400	11.3	B	..	4314	5078	11.3	F*	..	5160	8470	11.5	F5
18	71 296	3008	1774	11.2	Ko	..	3714	7558	12.0	Mo	..	4320	19720	12.8	K7	70 352	5162	3660	11.1	K7
19	70 329	3034	5976	10.5	F8	..	3718	17976	11.8	K2	..	4324	15500	12.2	K5	..	5172	5440	11.6	F5
20	69 309	3036	8024	10.0	B5	..	3718	20212	12.2	G5	..	4358	8114	11.8	Ko	..	5200	18562	12.0	Go
21	66 357	3058	19224	10.5	F5	68 302	3734	12486	11.1	Ko	..	4358	9370	11.3	F8*	..	5222	3946	11.4	B
22	66 356	3082	18746	10.8	G5	..	3752	16138	12.4	K7	..	4358	10922	11.4	F8	..	5230	19696	11.7	Go
23	67 377	3120	14100	9.7	F8*	71 300	3760	1162	10.1	Ko	70 346	4390	5620	10.8	Ko	..	5234	2546	13.1	A
24	70 330	3162	4960	10.2	Go	..	3804	14138	11.9	Ko	..	4404	2562	11.8	Ko	..	5254	14440	11.2	K2
25	..	3180	17006	12.4	F8	66 365	3820	19526	11.5	K	..	4440	7440	11.5	F5:*	..	5262	8880	12.6	K5
26	67 378	3226	14870	10.4	F2	..	3833	6670	12.0	F2	..	4444	19940	12.0	Ko	..	5270	10160	12.1	Go
27	..	3240	11516	11.2	K7	..	3840	18236	11.5	Go	..	4476	8900	12.3	K5	..	5282	1696	11.8	K5
28	..	3250	6980	12.1	K5	..	3844	6140	Var	K5	..	4484	9140	11.6	K5	..	5284	4464	11.5	Ko
29	68 298	3258	12180	11.4	K5	66 366	3852	19216	11.6	K2	..	4490	14988	11.0	G5	..	5302	2009	11.5	K2
30	..	3260	7500	10.5	Go*	..	3866	10060	11.5	K5	70 347	4502	4686	11.3	Go	..	5320	8230	11.6	F2
31	..	3262	6830	11.9	K7	..	3880	694	11.6	F5	..	4514	15880	12.2	G*	..	5326	1452	11.8	K5
32	..	3300	5048	11.8	F*	68 303	3902	13310	10.6	Ko	67 384	4526	14700	10.2	Go	..	5341	10053	11.6	F8*
33	71 297	3320	2838	11.2	F8	..	3918	19256	12.2	K2	..	4526	16040	12.2	F*	..	5364	706	12.0	K2
34	..	3356	684	11.6	F2	..	3925	3060	12.2	F5	.:	4530	11720	12.0	Ko	..	5366	3718	11.3	B
35	70 336	3356	6478	10.4	B	..	3931	15180	11.8	K5	70 345	4556	3420	11.1	F2	..	5382	12136	11.7	Ko
36	..	3378	13860	12.4	F	69 316	3936	7858	11.3	Go	..	4564	13582	10.9	K7	..	5396	444	12.8	K5
37	70 332	3400	4632	11.2	K2	..	3952	7610	13.3	K7	..	4580	10034	12.2	F8	67 390	5418	15160	10.3	K5
38	..	3424	18300	11.9	Ko	..	3954	10464	11.9	Ko	..	4652	1808	11.6	K2	..	5428	16378	11.8	Ko
39	68 299	3430	12320	10.4	G5	..	3966	16486	12.3	K7	67 386	4660	16090	10.6	B	68 310	5434	10942	11.0	F2
40	..	3436	10120	11.6	B	..	3974	1044	12.2	G5	70 348	4680	4414	11.1	K7	71 306	5438	962	10.8	Go
41	69 311	3440	7196	11.5	K2	..	3974	12490	11.3	K5	67 387	4700	15786	10.4	Ko	..	5443	3889	11.9	G*
42	..	3440	17940	12.4	Mo	69 317	3998	7446	11.2	F5	..	4744	11300	11.2	K5	68 313	5474	12518	10.2	Go
43	..	3440	19286	12.6	K5	69 318	4000	8556	10.8	F8	67 388	4744	15944	10.2	Ao	..	5476	3660	11.4	B8
44	70 334	3450	4954	11.6	F8	..	4000	19192	12.3	F*	..	4758	15022	11.2	K7	..	5490	1892	11.8	Go
45	..	3452	10136	11.6	B	..	4004	11792	11.4	A	..	4780	8638	12.4	F2	..	5490	15420	11.8	Ko
46	..	3460	11704	11.2	G5	..	4004	19634	12.3	K5	66 372	4798	17986	10.2	Oe	..	5529	8400	12.1	F5:*
47	..	3460	13400	13.9	O	..	4080	9906	11.3	Go	..	4800	460	12.1	G5	69 326	5532	7090	10.9	Go
48	69 314	3468	8126	11.1	A5*	..	4099	12937	Var	M7	68 307	4810	13700	10.7	F8	..	5540	1804	11.7	Mo
49	..	3518	3548	11.8	K7	..	4110	9720	11.9	K7	..	4836	11340	11.2	Con	66 375	5546	19938	10.7	Ao
50	66 363	3518	20136	9.4	F*	70 341	4120	6650	11.3	K2	69 323	4844	8940	10.9	Ko	70 355	5580	3620	11.1	Go

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	5582	6508	11.9	K5	68 319	6194	12552	11.0	F8	..	7056	10800	11.5	B:	..	7608	9760	13.1	K7
2	..	5582	13584	11.6	A2	..	6225	3644	11.0	A5:*	70 369	7070	3700	10.6	F5	70 371	7612	4364	10.7	G5
3	66 376	5584	20016	11.2	F5	..	6264	1060	11.7	K5	..	7072	5416	11.6	F8	68 330	7616	13414	10.8	Go
4	70 356	5598	4596	11.0	Ko	69 331	6272	9980	10.6	A7*	71 316	7080	1986	10.2	Ao	67 398	7630	16306	10.2	F8
5	..	5640	11178	12.6	F8:*	..	6280	394	12.5	G	69 335	7090	9490	8.7	G:*	..	7638	2748	11.4	Go
6	71 308	5644	1294	9.2	B	..	6284	2885	12.0	G5	..	7098	4608	12.4	F8	..	7640	10106	11.8	F2
7	..	5644	14708	11.6	K7	67 393	6300	16528	10.2	Ko	71 317	7120	2200	10.8	Go	..	7644	5722	11.1	Mo
8	71 307	5656	376	10.9	Go	66 379	6304	18366	10.8	Go	..	7120	19216	12.6	K2	68 328	7670	11000	10.8	A*
9	70 358	5664	5456	11.0	B	..	6334	14778	11.6	Ko	..	7122	14590	12.1	A	..	7680	5202	11.7	F8
10	..	5668	7680	11.6	Go	..	6338	7986	12.1	K5	69 333	7130	7764	11.5	Ko	69 338	7680	7284	10.9	G5
11	..	5670	8740	11.3	F5	..	6338	19080	11.8	Go	..	7136	10403	Neb	P*	..	7680	11430	12.6	K5
12	..	5700	14920	11.3	K2	..	6344	3544	11.0	B	..	7140	8018	12.1	Mo	70 372	7682	4724	10.8	K5
13	..	5720	5340	11.5	B	..	6354	6486	11.4	Ko	..	7140	10380	14.5	O	66 384	7682	20148	11.3	K7
14	..	5730	9078	11.5	G*	..	6370	11306	12.5	K2	..	7144	12476	11.5	K2	..	7700	16156	11.8	Ko
15	..	5752	5952	13.9	O	70 365	6406	6100	11.1	G5	..	7150	9056	12.2	G5	..	7714	7926	12.4	Mo
16	69 330	5778	8360	9.8	F8*	70 363	6414	4320	11.4	Con	..	7150	10230	11.2	B:	..	7724	7694	12.9	M
17	..	5780	11564	11.3	G5	..	6420	8760	13.5	G5	..	7150	12070	11.2	B:	66 385	7754	19700	10.4	F5
18	70 357	5784	3640	11.3	B5	..	6434	2654	12.0	G5	..	7160	1920	11.3	Go	..	7758	10444	Var	Mo
19	..	5792	11186	12.6	A*	..	6437	12119	11.7	Ko	..	7170	11624	12.4	K7	68 332	7778	13624	11.1	K2
20	..	5804	5240	11.8	F8	..	6460	4314	11.6	K5	..	7190	4780	12.0	G5	..	7804	11558	11.8	K7
21	..	5820	15945	11.8	F*	..	6464	5082	12.2	K7	..	7198	18746	11.7	Ko	67 400	7820	16208	11.4	B:
22	..	5830	2534	11.6	Go	..	6536	2860	11.4	F8	68 327	7200	12700	11.2	K5	71 319	7840	1290	10.6	B
23	..	5860	12160	11.3	F*	68 320	6538	10870	10.6	Ko	..	7202	11418	12.0	K2	69 339	7844	7430	10.5	Fo
24	..	5878	14240	11.8	Fo	70 367	6540	4472	11.0	B	..	7214	910	11.6	K5	..	7870	11900	12.1	Ko
25	..	5899	15452	12.0	G5:*	..	6540	6135	Var	M	..	7218	13978	11.4	G5	..	7896	9592	11.8	K7
26	68 316	5906	13796	10.8	Go	70 368	6544	5906	10.6	Ko	..	7236	19770	11.6	Ko	66 386	7922	18370	10.6	F8
27	..	5958	1920	11.6	K5	..	6552	5064	11.9	G5	71 318	7244	276	10.8	F8	66 387	7944	18924	10.7	G5
28	70 359	5969	3726	10.5	Ko	..	6564	2468	12.0	G	68 326	7260	10800	9.8	B	68 333	7956	12076	10.6	F8
29	..	5972	2283	11.4	B	..	6596	11560	11.4	K7	70 370	7282	5890	11.0	Go	68 334	7998	13922	10.3	A7
30	..	5994	8712	11.7	Ko	..	6600	14888	12.1	Ko	..	7284	11924	11.0	G5	..	8008	13378	11.6	Ko
31	..	6006	13770	11.4	F5	71 311	6610	1422	10.4	Ko,	..	7300	7884	12.2	F2	..	8038	9604	12.3	Ko
32	66 377	6020	19436	11.3	Ko	71 313	6640	2356	10.8	K2	..	7300	20160	11.6	K7	70 373	8060	4824	10.6	F5
33	..	6044	19184	11.4	K5	..	6656	6860	12.0	G5	..	7308	9850	11.9	Ko	67 403	8061	15940	11.2	G
34	71 310	6054	1060	10.8	M1	..	6666	9070	11.8	G5	..	7322	18652	11.6	F8	..	8074	3860	11.7	Ko
35	68 317	6054	11770	10.8	Ko	..	6680	760	11.0	Ko	67 394	7324	16060	10.4	K2	..	8090	5266	11.6	Go
36	..	6060	9680	11.5	Ko	71 314	6682	1844	11.0	F2	..	7336	1378	12.2	Ko	..	8090	16544	11.5	K
37	..	6068	1944	11.8	G5	71 312	6730	1004	10.8	F8	..	7380	3366	12.7	K7	67 405	8097	16345	11.3	A
38	..	6074	4440	11.7	K2	..	6770	456	11.1	K2	..	7380	7434	12.2	G	..	8100	13440	11.8	Ko
39	..	6076	8302	12.3	K5	..	6790	14872	12.1	K2	..	7400	9430	11.4	B	67 404	8100	16103	11.2	B
40	..	6078	7470	13.2	K7	..	6846	11622	11.6	K2	..	7404	17604	11.8	K7	..	8110	9000	12.3	A5
41	70 360	6080	4016	11.0	Ko	..	6854	1382	11.0	F8	..	7422	4102	11.6	K7	..	8120	6738	11.2	Go
42	..	6080	5488	11.4	K5	..	6860	3036	11.9	Ko	..	7430	9838	11.3	A2*	..	8124	19718	12.3	K7
43	..	6084	14612	11.4	F8	..	6932	5324	11.5	Go	..	7442	15242	11.2	G5	66 388	8128	19238	10.6	K5
44	..	6108	3348	12.2	Ko	..	6934	1516	11.4	F8	..	7456	12240	11.2	Fo	..	8130	18100	11.5	Ko
45	70 361	6118	5040	10.9	F8	..	6940	11996	11.5	K7	67 396	7486	16082	10.8	B	67 406	8131	15661	11.1	B
46	..	6146	18882	12.0	G5	..	6950	8956	12.4	F	..	7504	12578	11.6	Ko	..	8162	17470	11.8	K5
47	..	6148	19380	12.4	K7	..	7020	2908	11.6	F5	67 397	7534	17758	11.2	Ko	..	8178	18702	11.9	K7
48	70 362	6174	6646	11.1	Go	..	7020	8660	12.5	K2	68 329	7562	14160	10.8	A2	71 320	8192	2162	10.7	Ko
49	..	6185	12219	11.6	F5	..	7020	10036	11.8	K7	66 383	7564	20116	10.0	F8	..	8196	14384	11.8	K7
50	68 318	6188	11564	11.2	B	..	7036	12704	12.0	G	..	7590	9260	13.0	K2	..	8200	8004	11.8	K7

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Large Magellanic Cloud

H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	8200	12976	11.3	K7	..	8874	16482	11.8	Ao	68 346	9540	12440	10.8	F2	..	10104	8207	11.5	F
2	..	8204	7396	11.1	K5	..	8880	16426	11.7	K2	..	9546	7316	11.6	B	..	10116	14226	11.4	M1
3	..	8226	2704	11.6	G5	..	8884	8326	12.7	K7	..	9558	1818	11.9	F8	..	10120	2940	11.5	Ao
4	..	8243	5460	12.3	F8	68 337	8886	10660	10.7	F8	..	9562	15100	11.8	F	..	10134	18140	12.0	F5
5	..	8256	12062	11.5	Ko	70 376	8892	6628	11.4	F5	..	9596	7678	14.1	K7	..	10142	7394	11.9	F5
6	..	8264	9624	11.2	F*	69 346	8910	7700	10.2	Go	66 395	9600	18120	10.5	K2	..	10146	5538	11.6	G5
7	..	8276	1208	11.1	F8	..	8920	4814	11.1	G5	..	9620	1496	12.5	K7	..	10160	9384	12.1	Con
8	..	8276	6860	10.9	Go	..	8936	19884	12.0	Mo	..	9634	1570	11.5	Ko	..	10220	6058	11.4	G5
9	67 407	8284	15600	11.0	K2	..	8960	12680	12.1	K5	..	9678	17118	11.6	B	..	10230	14646	11.9	F8
10	..	8320	8920	10.6	F*	..	8992	5664	12.0	F2	68 349	9700	11864	10.4	A7	..	10230	15058	11.6	Ko
11	..	8396	4958	13.7	P*	..	9022	5340	11.8	K7	69 351	9722	7318	11.0	B	67 419	10230	16742	10.2	Fo
12	67 408	8404	14822	10.9	Go	68 339	9024	12786	11.0	Ko	68 351	9760	12220	10.4	A7	..	10235	11304	Var	K5
13	69 343	8416	10040	11.0	K7	..	9026	10140	12.3	G5	..	9760	14220	11.4	Go	..	10240	10680	12.0	A3
14	..	8450	6900	12.2	K2	..	9030	8644	13.3	Ko	..	9772	5344	11.6	Go	..	10242	18016	11.9	Go
15	69 342	8450	8976	11.1	B:*	..	9034	16258	11.7	F5	..	9780	12248	11.7	F8	..	10250	13340	11.5	G5
16	69 341	8480	8110	11.0	B	..	9058	18842	12.0	K2	..	9798	7416	11.7	A7	..	10252	3260	12.5	F2
17	..	8480	8790	11.6	Pec	..	9072	10550	12.2	K5	..	9800	8024	12.0	F5	..	10278	7830	14.0	P*
18	67 409	8482	16324	10.6	Ao	..	9076	7948	11.8	G5	..	9814	430	12.8	G	..	10280	4052	Var	Go
19	69 344	8490	8854	11.4	B	..	9080	19894	11.9	F2	68 352	9820	12080	10.0	A5	..	10280	9040	12.4	G5
20	..	8519	4721	13.0	A:*	..	9090	7480	13.1	K5	..	9825	12950	Var	K5	67 421	10284	17006	10.5	F8
21	71 321	8522	3000	11.0	F5	..	9134	13290	11.3	F2	69 352	9830	9176	10.9	B:	67 420	10286	16326	11.0	B
22	..	8524	8130	11.8	K7	..	9172	11566	11.6	G	..	9838	1838	11.8	K2	..	10292	18236	Neb	P*
23	..	8550	7494	12.5	G5	..	9210	15222	11.7	Mo	..	9850	3516	12.0	Ko	..	10294	12088	11.3	F5
24	..	8550	9366	11.6	Go	..	9240	8960	11.9	K5	..	9860	12130	11.6	G5	..	10310	13568	12.8	Mo
25	..	8564	11966	11.4	G5	..	9278	5902	12.3	Mo	67 415	9860	16232	11.0	F5	68 358	10310	13886	10.6	F8
26	68 336	8572	12936	10.6	Go	..	9284	19596	12.0	K2	..	9876	18058	12.5	F2	67 422	10320	17500	11.0	Ao
27	..	8604	8150	11.6	Pec	..	9290	14568	11.7	F5	69 353	9890	7070	10.8	B	..	10340	11840	12.3	K7
28	..	8636	1340	12.5	G5	71 326	9292	2650	11.0	F5	71 328	9904	3100	11.4	Mo	..	10346	7438	12.0	Go
29	..	8642	17758	13.1	K7	68 342	9300	11476	10.6	Fo	..	9916	5384	11.6	Ko	..	10356	7316	14.0	P*
30	..	8656	4278	12.4	G5	68 343	9300	13150	10.6	Fo	..	9920	2622	11.4	Ko	..	10360	1998	12.0	F2
31	..	8660	3110	11.6	F8	..	9300	19164	12.8	K5	69 354	9920	8120	10.0	Go	68 359	10360	13652	10.8	Go
32	..	8660	7920	12.3	K2	..	9308	14206	11.4	Go	..	9936	4580	11.5	Ko	..	10370	7780	11.5	B5:
33	66 390	8660	18920	10.2	Go	..	9320	1278	12.3	Go	69 357	9940	9456	11.2	Oe	67 423	10370	15576	10.6	A7
34	71 322	8676	2384	10.1	Go	70 380	9342	4676	10.5	F8	..	9940	12116	11.5	F5	..	10384	11924	11.9	G5
35	..	8680	1940	11.2	Go	..	9360	14028	11.8	F5	71 329	9960	700	10.8	Go	..	10404	6156	12.1	A2
36	..	8696	8104	11.2	Go	..	9368	3310	12.0	F	..	9970	13980	11.7	G5	..	10434	15420	11.4	K5
37	..	8700	10500	11.2	G5	..	9376	17194	11.6	Fo	..	9980	14878	12.0	Mo	70 383	10464	6730	11.5	Go
38	69 345	8726	9240	11.0	B	..	9396	2280	11.9	F8	68 354	9984	11716	10.2	A5	..	10464	8360	11.5	F*
39	..	8730	7525	12.0	Go	..	9410	15200	11.4	F8	66 398	9994	20200	10.5	G5	..	10480	10472	12.6	A
40	..	8758	7478	12.0	G5	69 348	9420	9900	11.2	Ko	69 358	9998	8834	10.8	Ko	..	10490	8306	16.5	P*
41	..	8760	3444	11.6	F8	71 327	9430	300	10.7	F8	..	10008	8230	11.2	A3*	..	10520	3126	12.2	F5
42	66 392	8760	19098	11.0	F8	67 411	9438	15962	10.5	Ao	67 417	10012	15946	11.1	Go	..	10540	6970	11.8	B:
43	..	8768	14582	12.2	K5	..	9440	686	11.1	G5	..	10014	1338	12.1	Ko	69 362	10560	10040	10.6	F5
44	..	8780	8286	11.2	B	69 347	9440	7190	11.2	Go	67 416	10022	14280	11.0	Mo	..	10576	5020	11.4	F2
45	..	8802	3836	11.4	K2	..	9464	18744	10.7	F2*	..	10038	3072	11.6	F5	..	10610	8368	12.4	F5
46	..	8804	9396	12.3	Mo	..	9492	1236	11.6	F8	..	10060	15480	11.4	G5	..	10660	15434	12.4	K
47	..	8816	14304	11.8	Ko	..	9500	9480	12.2	K2	69 359	10076	8680	10.5	A7*	..	10664	16238	12.0	F5
48	71 324	8840	2016	10.9	F8	..	9510	7749	13.4	B:*	66 401	10080	18184	11.4	K7	..	10704	16204	11.6	A3
49	..	8840	18120	11.8	K2	..	9526	3114	11.6	F5	66 402	10084	18806	11.1	F8	..	10710	8220	11.8	B
50	..	8844	5458	11.4	F8	..	9532	7640	12.4	G5	..	10098	14908	12.1	K5	67 424	10720	17060	11.2	B

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	10750	5380	12.8	A5	..	11400	4410	12.0	B:	..	12116	8643	11.9	A5:*	68 374	12670	10840	11.5	B
2	..	10754	3678	11.6	Mo	66 409	11404	18726	11.5	B	67 431	12122	14660	10.2	Go	..	12674	13876	12.0	Ko
3	69 363	10774	9250	10.9	Ko	..	11406	2256	12.7	A2	68 370	12130	13356	11.3	Ko	..	12682	2576	12.4	K7
4	..	10780	14354	14.0	P*	70 387	11406	5664	10.8	F2	..	12154	16334	11.7	B	..	12683	7165	12.4	F*
5	..	10790	6520	12.8	A*	..	11418	3188	12.0	K2	70 390	12158	5628	11.0	F5	..	12698	472	11.9	A5:*
6	71 332	10820	1180	10.2	G5	..	11440	3920	12.3	F8	..	12158	9940	12.4	F8	68 376	12720	12044	10.8	G5
7	..	10830	14130	14.0	P*	..	11450	12774	11.2	F2	..	12164	9310	11.5	Ko	71 341	12740	1480	11.0	F8
8	..	10870	20134	11.0	B	..	11456	5126	11.9	Mo	..	12164	14112	12.2	Mo	..	12740	5844	11.8	A5
9	69 364	10886	8524	11.0	A3	..	11458	5622	11.2	Go	..	12178	2884	12.0	K2	67 439	12740	16718	11.4	B
10	..	10898	6752	11.7	G5	66 410	11462	19700	10.6	Mo	..	12184	6992	11.4	B	..	12766	18052	12.0	F5
11	66 406	10906	18562	11.6	F8	..	11480	12430	12.0	G5	..	12204	10820	11.9	F*	70 395	12784	3880	10.8	G5
12	..	10920	14136	11.4	B	..	11482	3012	11.5	A3	..	12258	7264	13.2	F8	71 342	12798	2000	10.5	Go
13	..	10936	2222	10.9	K2	..	11484	13092	11.4	B	69 371	12260	8980	10.8	Go	..	12840	16324	11.9	A7
14	69 367	10956	8560	11.1	Bo	..	11498	11920	12.5	K2	..	12260	12022	13.0	K5	..	12842	3104	11.8	F8
15	..	10984	1960	11.6	Go	..	11520	10864	12.0	Ko	66 414	12262	18956	9.2	A5:*	..	12844	874	11.4	Go
16	..	11020	12520	11.8	K2	69 369	11556	8180	11.4	Go	..	12266	4985	12.9	F8	66 415	12846	20262	10.9	B
17	67 425	11020	16116	11.0	Fo	..	11566	19660	12.1	A5	69 372	12280	8880	11.0	G5	..	12856	3598	12.8	K7
18	..	11020	20184	11.6	Ko	..	11568	9670	11.9	K5	..	12280	9414	12.0	A5	..	12858	8645	12.0	Mo
19	..	11044	6760	11.6	F5:*	..	11568	13228	11.6	K7	..	12300	2480	12.8	F2	71 343	12864	3036	11.3	Go
20	..	11050	5792	13.0	Ko	..	11570	8666	12.0	G5	70 391	12300	5920	11.0	Ko	..	12870	5780	11.0	Go
21	..	11056	11084	12.4	Ko	..	11574	14696	11.8	K2	..	12308	17600	11.5	F5	..	12876	2424	12.5	G5
22	..	11060	14334	11.5	K5	..	11602	4116	11.6	Ko	..	12320	12290	12.2	K7	..	12882	8900	12.0	Mo
23	..	11074	10500	11.7	Fo	..	11634	20294	12.8	Mo	67 434	12346	15478	10.6	F8	..	12918	18796	11.8	Go
24	..	11094	20336	11.4	Ko	69 370	11684	8396	10.1	Ko	..	12376	3136	12.2	K5	69 378	12924	9760	10.0	B:*
25	..	11100	2048	12.6	K5	71 336	11688	368	11.0	B	67 435	12378	15678	11.5	B	..	12928	12778	12.4	Ko
26	..	11110	5430	12.1	F2	..	11704	10396	12.0	K2	69 374	12390	9950	11.3	Go	..	12954	17286	12.3	Mo
27	..	11112	10718	12.3	G5	70 388	11736	6164	11.0	Go	..	12392	19500	11.6	Go	67 440	12956	16238	11.0	B
28	..	11116	2106	11.6	Go	..	11750	9020	12.2	K7	..	12396	6270	11.9	F8	69 379	12960	10300	10.2	B:
29	..	11118	7550	13.0	K5	71 337	11764	2632	10.8	F2	69 375	12406	9980	11.4	Go	..	12964	6734	10.4	G*
30	..	11120	16780	12.0	A:*	..	11770	13156	11.8	K7	71 339	12412	1918	10.7	Ko	67 441	12984	17504	11.8	F2
31	..	11122	4980	12.0	G5	..	11774	19652	11.9	G5	..	12426	1128	12.5	F8	..	12990	12456	12.3	K2
32	..	11124	1300	11.1	Go	..	11780	13336	12.0	F8	..	12430	17596	11.4	F2	..	13000	10296	Var	Pec.
33	..	11136	8580	12.2	B8:	..	11800	8780	12.3	K2	..	12456	2420	11.8	K7	66 416	13002	19186	9.7	F8
34	70 385	11162	6622	11.0	Go	66 411	11808	18062	10.9	F2	..	12486	10562	11.7	A5	..	13030	4980	11.9	A2
35	66 408	11170	19556	10.0	Go	..	11830	11940	14.3	O	..	12500	6096	12.3	Ko	..	13030	6180	13.2	A
36	68 364	11180	11498	11.2	F8	..	11836	4140	11.9	K5	..	12504	3680	11.9	F5	..	13035	9529	11.7	Go
37	67 428	11196	14546	11.2	F8	..	11854	8016	11.9	G5	..	12516	18580	12.1	Ko	..	13042	18638	11.8	B9
38	67 427	11196	16764	11.0	F5	..	11880	2258	12.4	F8	71 340	12518	3102	10.2	Go	..	13056	19376	12.0	Con
39	70 386	11200	4500	9.9	F5	68 368	11934	11746	10.4	A5	68 371	12520	13500	10.7	F5	..	13058	3162	12.5	F5
40	67 429	11220	16764	11.2	B	..	11939	3235	12.2	K5	67 437	12560	15746	11.7	B	..	13080	7428	12.8	F5
41	..	11256	540	12.4	K	..	11950	11220	12.2	Go	68 372	12572	10716	10.9	A7	..	13080	17360	11.9	A7
42	69 368	11256	7442	10.9	G5	67 430	11972	16022	10.4	F5	69 376	12580	8604	10.8	Go	..	13098	1376	12.6	Ko
43	..	11260	13556	Neb	P*	..	11980	1868	12.0	G5	70 392	12594	3998	10.6	Go	67 444	13100	15050	10.9	B
44	..	11300	5280	11.7	F8	..	12018	324	12.3	F5	..	12596	936	11.9	Mo	67 443	13100	16026	10.8	G5
45	..	11310	13724	11.6	O	71 338	12020	2422	11.1	Ko	67 438	12622	15096	11.4	B	..	13100	19916	11.8	A7
46	..	11320	10824	11.4	Mo	..	12020	4764	11.4	Ko	68 373	12624	10848	10.4	B	67 445	13132	14334	10.0	Ko
47	..	11342	13404	11.6	K5	..	12026	16600	11.8	K7	..	12626	960	11.5	B	..	13138	18446	12.0	Go
48	68 366	11380	14191	11.2	Ko	..	12060	2866	12.8	K7	..	12626	10996	13.6	O	70 397	13160	6880	11.8	K2
49	..	11392	13820	14.1	O	..	12060	4790	12.0	A7	..	12630	9820	14.8	O	69 383	13164	9732	12.2	Pec
50	..	11394	6032	12.0	G:*	..	12096	13084	13.1	Ko	..	12664	1980	12.2	K2	..	13168	4950	12.2	Ko

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	13169	16680	11.8	G*	69 386	13866	9698	11.0	B	..	14308	1456	11.7	Go	..	14800	17716	11.4	Go
2	..	13204	11682	11.6	F8	..	13870	13842	11.3	K2	..	14320	15426	11.9	Con	70 408	14840	4878	11.0	Ko
3	..	13204	20270	10.4	G*	..	13884	4820	11.9	G5	..	14330	4428	12.2	K7	70 409	14860	5040	11.0	A2
4	68 378	13206	10618	11.0	B	71 347	13890	1478	10.9	Go	69 390	14334	9670	11.2	Mo	..	14860	11080	13.1	K2
5	..	13220	13460	12.0	G5	..	13898	12384	11.8	A5	..	14342	9100	11.6	B	..	14890	4700	12.4	K5
6	67 446	13247	17524	11.4	B	..	13908	2920	11.7	B:	70 406	14348	4694	10.6	F8	..	14896	18980	11.9	F5
7	..	13256	16052	11.8	F5	67 451	13916	16462	8.0	B:*	67 455	14350	14546	10.0	Ko	..	14904	7420	11.7	Ko
8	..	13260	290	11.1	G5	..	13924	2164	11.5	Go	..	14356	4020	12.1	F8	..	14913	4044	12.4	A2
9	68 380	13260	10910	11.4	Go	..	13932	17942	11.3	K2	..	14374	2740	12.2	F8	..	14916	1606	12.8	Mo
10	..	13262	14120	11.1	Ko	71 348	13944	2766	11.4	B	66 428	14390	19844	11.0	K2	..	14920	12900	12.1	G5
11	68 379	13306	13686	11.0	K5	69 388	13962	8348	10.6	B	..	14400	3692	12.3	F8	..	14940	18028	11.5	B
12	..	13326	10288	11.9	Go	69 387	13976	10080	10.8	B:	..	14408	10006	11.5	F5	..	15040	10300	10.8	B
13	..	13358	2642	12.4	Go	70 404	13986	6704	11.7	Ko	..	14410	15738	11.9	Con	..	15040	19042	11.8	Con
14	66 420	13362	17938	11.2	Ko	..	13990	4120	9.6	B*	67 456	14424	15004	11.7	B	..	15064	9438	11.6	G5
15	..	13424	4300	12.1	K5	68 385	14004	11142	10.6	B9	..	14425	13918	12.0	Mo	67 461	15080	17360	11.4	G5
16	..	13434	4736	11.6	Ko	..	14012	8182	12.3	Ko	..	14444	406	10.4	A5:*	66 432	15081	18015	11.2	B
17	..	13435	17909	11.9	A5	..	14016	570	12.2	G5	67 459	14478	15014	11.8	B	67 462	15096	16240	10.8	Ko
18	..	13440	11120	14.2	O:	..	14020	10620	11.8	B	67 457	14482	15618	9.5	B*	..	15110	8926	12.4	K5
19	..	13496	12180	11.1	B	71 350	14022	2636	11.2	Go	..	14486	3706	12.2	Go	69 392	15112	7418	11.5	Con
20	68 381	13516	10712	10.6	G5	..	14030	5334	11.4	G	69 391	14486	9464	10.4	Go	69 393	15124	7462	12.0	K5
21	..	13520	284	11.6	G5	70 405	14036	5176	11.1	F8	..	14488	17514	11.8	Con	67 463	15124	16584	11.3	Mo
22	..	13520	788	12.0	G	..	14040	12340	11.8	K2	66 429	14500	19660	11.6	B	..	15125	4586	11.0	F*
23	..	13520	16748	12.5	K7	..	14044	8036	12.1	G5	..	14504	14964	11.4	K5	..	15140	11694	11.8	F2
24	..	13540	10584	15.0	O	68 384	14060	13486	10.0	F5	..	14522	14738	12.2	K5	70 410	15170	6606	11.6	G5
25	..	13550	4284	13.2	K7	..	14076	1664	12.5	K5	67 460	14524	14984	13.5	P*	..	15170	19034	11.9	F8
26	..	13556	5704	11.4	G5	71 351	14080	2760	11.4	B	..	14536	15578	12.3	Con	68 390	15180	13058	11.0	F8
27	..	13560	8640	11.4	G5	..	14096	8576	12.2	K7	..	14538	13580	12.4	Mo	67 465	15180	16390	11.0	B
28	..	13562	17420	12.0	A3	..	14100	16596	12.0	A	..	14549	16789	12.1	A	..	15186	12180	12.0	F5
29	..	13576	16242	12.0	Con	..	14112	14218	12.2	K7	67 458	14562	17178	9.8	Go	68 389	15202	13820	11.2	K7
30	..	13620	18920	12.3	F5	..	14115	3164	Var	K5	..	14570	19460	Neb	P*	..	15204	10670	11.6	G5
31	..	13624	364	11.5	K5	..	14120	3050	11.6	F2	..	14582	5862	12.4	Ko	67 464	15220	17418	9.8	B
32	67 447	13630	17040	9.8	Go	..	14120	16871	11.9	A	..	14602	7034	13.4	K2	68 392	15240	13028	10.8	G
33	..	13640	3230	11.8	F5	..	14120	20080	11.7	F8	..	14604	15036	11.9	Go	67 466	15252	17036	11.1	Go
34	..	13658	15840	12.0	F8	..	14126	16933	11.4	B	..	14640	19760	12.0	K5	..	15260	7594	14.2	O
35	..	13664	1924	12.0	G5	..	14130	5012	12.8	K5	..	14660	8880	11.8	G5	..	15284	2130	12.0	Go
36	..	13664	12982	11.2	K7	67 452	14140	17656	9.9	A:*	..	14660	16258	11.4	Con	69 399	15284	7526	11.0	B
37	67 449	13674	14820	9.7	Go	..	14152	9915	11.4	B	..	14700	6708	12.0	Ko	67 467	15286	17586	11.0	B5:
38	..	13678	16620	11.7	A5	..	14156	12258	12.0	F8	..	14710	11644	11.0	Go	68 393	15294	11050	11.4	Mo
39	67 448	13716	16554	11.6	B	..	14182	16004	12.0	Con	..	14722	9542	11.8	F5	67 468	15294	16980	10.3	A7
40	..	13720	15996	11.8	Go	..	14184	16802	11.4	G5	..	14722	12914	11.3	K5	..	15300	15658	11.7	A5
41	..	13732	12396	12.4	F8	..	14200	5692	12.6	Ko	..	14724	18074	11.8	B8:	..	15306	2218	12.0	G5
42	..	13753	7530	11.6	G:*	..	14208	15040	13.9	O	..	14740	13480	12.8	K7	..	15316	18488	11.8	A7
43	..	13762	3904	12.0	G5	..	14214	2314	12.2	G5	66 430	14740	19724	10.1	Ko	..	15320	6174	13.1	Ko
44	67 450	13762	15544	11.0	B	..	14214	4040	11.8	F5	..	14748	2842	12.6	Go	..	15340	1176	12.3	Ko
45	..	13768	1740	12.2	K7	..	14216	4640	12.1	F5	..	14751	6156	12.8	A	..	15344	11224	11.8	A2
46	68 382	13780	14100	10.8	K5	69 389	14226	7048	10.7	B	..	14760	7780	12.6	K5	66 433	15348	17856	9.9	A5
47	66 424	13790	17924	11.2	B:*	67 454	14240	15800	10.8	Go	68 387	14760	11780	10.9	G5	67 470	15362	16204	10.8	B
48	66 423	13808	19046	9.6	F8	..	14276	15202	11.7	O	..	14770	14928	13.1	O	..	15367	830	12.3	G5
49	69 385	13816	9068	11.2	B	..	14302	6056	10.9	F5*	..	14780	2000	12.0	Go	70 413	15376	4790	10.6	Go
50	68 383	13842	13490	10.4	K2	68 386	14304	11902	10.4	B	..	14800	3052	10.2	F5*	..	15378	12740	11.6	K7

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	67 472	15396	16218	10.7	B	69 424	15780	7967	12.1	F5	..	16326	4470	12.1	F5	66 441	16880	18176	11.4	Ko
2	68 394	15398	12160	11.6	G5	..	15780	15424	Neb	P*	69 446	16334	9832	11.0	B	..	16892	7760	12.6	P*
3	..	15409	15476	Neb	P*	..	15784	2474	11.4	F8	68 408	16338	11078	10.4	Go	69 481	16906	7778	12.0	Ko
4	67 473	15412	15762	9.2	Go	67 477	15784	17242	11.0	B	..	16340	19902	11.6	Go	..	16949	11700	12.7	A2
5	71 357	15416	2616	11.2	Go	..	15810	17954	11.3	F8	69 455	16342	7444	11.4	A7	69 489	16956	7082	10.8	G5
6	66 434	15426	17860	10.5	Go	70 419	15820	6020	10.5	F2:*	..	16360	4600	12.1	F8	69 479	16956	8740	11.6	O
7	67 471	15442	17420	10.5	A3	68 397	15820	10596	10.4	Go	..	16376	18442	11.6	F8	..	16980	2736	11.6	Go
8	..	15454	15358	12.1	G5	69 427	15840	8432	11.1	Pec	..	16380	8406	14.8	O	68 411	16980	14042	10.8	A3
9	69 407	15480	7148	12.1	Go	69 428	15846	8416	10.9	B	..	16380	16184	12.2	A:	68 414	17002	11120	10.7	Go
10	..	15484	15464	12.1	Go	69 422	15859	9695	11.9	A3	68 407	16388	12235	10.2	F5	68 412	17004	12084	11.7	Go
11	..	15516	16432	12.1	Ko	67 480	15860	15640	12.0	A5	69 460	16393	7480	11.8	G5	..	17018	18230	11.8	A3
12	..	15520	2955	11.4	A*	..	15880	6394	12.1	Mo	70 427	16396	3320	11.8	Go	67 487	17036	16120	12.0	B:
13	70 415	15524	4480	11.2	G5	..	15880	20280	11.4	B	70 426	16398	4451	10.7	F2	67 488	17038	15200	11.4	Ko
14	68 395	15524	11816	10.4	Ko	71 360	15926	1260	11.8	Go	71 364	16404	2842	11.6	Go	69 492	17044	7582	11.9	Go
15	..	15526	9520	12.9	M:	66 438	15932	18650	10.8	Go	69 454	16413	8470	12.3	Fo	71 368	17050	2950	12.2	Go
16	69 411	15538	7619	12.4	G5	68 400	15938	11038	10.2	F8	68 409	16420	10780	11.6	F5	..	17051	19976	11.8	K7
17	..	15540	1020	12.6	G	68 399	15938	11640	11.7	K5	..	16438	18580	12.0	F2	70 434	17062	3496	11.1	Ao
18	..	15540	9576	14.4	O	..	15940	15028	12.4	F8	..	16444	15518	12.3	Ko	68 413	17076	12278	11.3	Ko
19	69 405	15542	10078	10.6	Go	68 401	15942	10718	11.0	Mo	..	16460	9936	13.7	O	..	17092	1736	11.6	F5
20	69 408	15550	8470	11.0	Ko	..	15956	2044	12.5	G	69 459	16470	8818	11.3	B:	..	17104	624	12.3	G5
21	67 474	15562	16084	11.4	Go	67 482	15956	15596	11.6	K7	68 410	16484	10628	10.8	F8	..	17122	18864	11.7	Ao
22	..	15566	7886	13.4	P*	67 481	15960	17516	8.6	A*	69 458	16488	9186	10.8	Go	69 494	17126	8422	12.3	Mo
23	..	15576	19160	11.4	K7	..	15960	18300	11.4	G5	69 466	16500	8404	10.8	B	..	17158	4052	12.2	F8
24	..	15590	15360	Neb	P*	68 398	15998	13374	11.7	K7	69 465	16500	8576	12.2	K5	70 431	17170	6496	11.4	G5
25	70 418	15596	3978	10.6	F2	71 361	16014	478	11.0	G5	..	16516	2510	12.2	Ko	69 487	17186	10400	10.7	Ko
26	69 406	15602	9640	11.4	B:	71 359	16020	2880	11.4	F5	..	16540	10184	12.5	O	66 442	17198	17726	10.8	Go
27	..	15608	15100	12.0	A	..	16043	5757	11.6	A5*	69 468	16544	8436	11.1	B	70 436	17200	4170	11.8	F5
28	69 409	15620	9512	13.6	Oc	..	16076	5766	13.4	Go	69 464	16582	9842	11.8	O	69 497	17200	7960	12.0	Go
29	68 396	15624	12782	11.2	Ko	..	16096	18340	11.6	Ko	..	16600	4180	12.2	F8	69 493	17200	9544	11.0	Go
30	70 414	15628	6560	12.2	G5	..	16120	8146	12.7	G5	..	16604	8400	Neb	P*	67 489	17200	15886	11.2	Ao
31	..	15630	6320	12.1	Ko	68 403	16126	11208	9.7	F5	69 469	16608	9394	11.9	G5	68 417	17210	10828	10.8	F5
32	69 414	15630	8778	11.0	B	..	16148	1518	13.0	F8	..	16640	20004	12.2	Con	69 495	17211	9253	11.1	B
33	..	15630	16256	11.6	Con	..	16150	9740	14.7	O	70 429	16644	6293	12.0	Ko	71 369	17220	1154	11.8	F8
34	71 358	15644	1946	11.6	Ko	..	16156	15892	12.4	G5	70 428	16650	6754	11.6	G5	68 415	17220	12916	11.4	K5
35	..	15646	14876	11.7	Mo	70 424	16166	4908	10.6	G5	..	16670	4718	12.1	Go	..	17240	16594	12.2	F8
36	..	15664	4328	12.2	K7	67 483	16167	17160	11.4	G5	69 473	16706	8564	11.2	B	..	17242	15168	12.2	K
37	70 416	15676	6620	11.8	Go	66 440	16178	18220	11.3	Mo	..	16714	7820	12.5	P*	66 443	17256	17798	10.6	G5
38	..	15677	4183	11.3	G:*	..	16180	9355	15.1	O	69 472	16726	9504	11.4	Ko	..	17260	3130	12.4	F8
39	70 417	15680	5539	11.3	Go	..	16200	18764	12.0	G5	..	16756	16900	11.7	F8	..	17266	13578	12.6	G
40	69 412	15700	10496	10.5	Go	68 405	16206	12280	10.9	G5	..	16760	14752	12.1	G5	71 370	17276	432	10.8	F5
41	67 476	15704	15878	11.6	Con	69 442	16218	9914	11.5	Oc	..	16778	11990	12.5	A5	69 499	17282	8120	11.2	Go
42	66 435	15712	18204	11.4	F8	68 402	16220	12824	11.7	F2	..	16784	7470	13.4	P*	69 503	17286	7280	11.1	Con
43	..	15720	410	13.0	F8	70 423	16227	6589	11.7	K7	70 430	16806	5160	12.0	Go	70 435	17300	6506	11.7	B:
44	..	15724	17270	12.3	B	70 425	16230	3900	10.8	Ko	71 366	16808	2150	10.8	Go	..	17310	1144	11.9	F8
45	67 478	15740	15814	11.2	Con	..	16236	14098	12.6	K5	..	16822	780	12.5	K2	68 416	17316	12400	11.5	F8
46	69 417	15743	9820	11.6	F5	68 406	16240	10520	11.3	B	..	16824	10396	12.0	Mo	..	17340	12123	11.7	A:*
47	67 479	15744	15200	11.7	K5	..	16246	5479	13.4	K5	..	16826	16580	12.0	F5	69 498	17360	9872	11.1	B
48	..	15756	17260	14.0	P*	..	16298	7108	13.0	Mo	..	16846	1810	11.8	Ko	69 501	17370	9002	12.1	F8
49	..	15760	7800	12.4	K5	68 404	16302	13916	11.3	Go	71 367	16864	2620	10.8	K2	..	17392	14324	12.2	F8
50	..	15764	3625	12.4	F8	67 484	16316	14858	11.0	B	..	16864	7442	13.4	P*	..	17404	1796	12.2	Ko

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	17436	4120	11.8	F8	..	18044	780	12.4	Ko	..	18838	12078	11.8	Go	70 455	19586	6264	11.8	Con
2	..	17445	14340	12.8	F	..	18044	11170	11.7	G5	..	18846	1730	12.0	F5	..	19590	3986	11.8	G5
3	..	17454	17194	11.9	Con	68 426	18064	13438	11.3	Mo	..	18852	17580	11.8	F5	69 526	19598	8320	11.6	G5
4	..	17460	7536	12.0	A5	..	18110	20258	11.8	K7	70 448	18860	5794	11.8	Ko	69 527	19616	6910	11.3	Ko
5	..	17464	10820	12.0	G5	..	18136	14524	12.2	Mo	67 501	18866	16158	12.2	Con	..	19644	3870	11.6	K5
6	70 441	17480	3260	11.4	F8	69 517	18158	8380	9.9	F5	..	18870	4844	12.4	Go	..	19660	2350	11.8	Go
7	..	17480	10476	12.6	K7	..	18181	9484	13.6	G:*	..	18880	8880	12.0	K7	..	19660	11360	11.4	F5
8	..	17499	6284	12.2	F2	..	18204	18580	12.0	Ko	67 505	18904	15636	11.2	Go	..	19680	9816	11.9	Go
9	67 491	17510	16096	12.0	Ko	..	18206	18216	11.8	F8	68 434	18920	13654	9.4	A2	..	19686	7460	12.4	K2
10	67 490	17510	16976	11.3	Fo	..	18220	16040	12.6	Con	..	18936	6084	12.4	K	69 525	19694	9224	11.6	F5
11	70 437	17520	5721	11.9	G5	..	18240	19340	12.2	K2	67 502	18944	16720	11.1	Go	..	19736	10118	12.0	Go
12	71 371	17535	2332	11.8	K7	68 429	18242	13500	11.5	Go	69 522	18954	8420	11.7	Go	..	19740	8900	12.1	G5
13	..	17542	878	11.9	F8	..	18258	15248	12.0	A3	71 381	18960	1660	11.9	Mo	..	19746	1000	12.1	K5
14	71 373	17544	1664	10.8	Go	..	18280	10508	12.4	G5	..	19000	10240	12.0	G5	..	19780	4960	12.2	F8
15	71 372	17556	2178	12.0	Ko	..	18296	17542	13.4	K2	67 503	19000	17196	11.5	Go	..	19784	2736	11.8	Go
16	..	17556	14364	11.9	F5	69 518	18310	9240	12.0	Ao	..	19002	7438	12.2	F5	70 458	19798	4138	11.4	Go
17	..	17598	5854	12.0	Go	66 448	18328	19080	11.8	Go	70 449	19020	4580	11.3	Ko	70 456	19814	6320	11.7	Ko
18	69 510	17608	8403	10.6	Go*	67 497	18368	17218	11.6	Go	71 383	19024	1774	11.8	F8	70 457	19820	5736	11.6	G5
19	69 507	17643	10065	11.9	F5	..	18376	2040	12.4	F	67 507	19040	14220	10.0	Ko	..	19820	11328	11.3	Go
20	..	17674	4219	11.6	F2*	..	18414	4629	12.5	G5	..	19082	13424	12.0	G5	..	19830	17028	11.8	Ko
21	70 440	17682	6520	11.6	Ko	68 432	18422	12980	11.5	K5	67 506	19082	17080	10.8	F8	..	19840	10472	12.5	Ko
22	68 421	17684	11244	11.9	Go	..	18424	8220	12.2	F5	66 452	19132	19200	11.7	Go	70 459	19871	4220	10.6	F8
23	68 422	17716	11278	11.8	Mo	68 433	18442	13080	11.2	F2	67 508	19138	14302	11.5	B:	69 528	19900	8900	11.4	Mo
24	..	17724	12860	11.9	F8	..	18444	11766	12.0	F5*	..	19190	1544	11.9	F8	..	19904	10842	12.0	F8
25	..	17769	12122	11.1	A*	..	18453	18804	12.1	K7	71 384	19206	2398	11.7	Go	..	19916	15520	12.0	K5
26	71 375	17770	830	11.0	Go	..	18490	13262	12.3	Mo	..	19208	6040	12.0	Go	..	19934	7676	12.0	K2
27	69 515	17796	8700	13.1	F5	..	18520	7316	12.5	G*	..	19224	9788	12.4	Go	..	19948	15096	12.4	F2
28		17804	8702	11.0	F5	66 449	18540	19472	11.4	F2	68 436	19260	13500	11.8	G5	..	19970	5318	12.3	Go
29	..	17812	3444	12.4	Ko	..	18544	5036	13.2	Ko	..	19280	4466	12.9	Ko	..	19978	9300	12.1	G5
30	66 445	17820	18198	11.9	K5	..	18568	12122	12.6	G5	68 438	19282	11920	11.6	F2	68 441	19982	11738	10.6	F8
31	66 444	17820	18598	11.0	G5	69 519	18596	9700	11.4	K7	70 450	19290	5960	11.3	F5	..	19986	4868	12.3	G5
32	..	17840	15126	11.9	Ko	..	18600	7794	12.0	Go	67 510	19294	15278	11.4	A7	..	19988	2119	12.7	F5*
33	67 494	17858	16172	11.6	A	..	18600	15554	12.8	Ko	68 439	19300	11340	10.7	F5	..	19990	2980	12.8	G5
34	..	17870	12794	9.4	F*	..	18602	18340	11.4	K5	67 511	19302	14796	9.1	A3	..	20024	8080	12.1	G5
35	..	17914	15718	13.2	K5	..	18634	2236	12.6	F8	69 523	19310	8740	11.7	Go	71 390	20050	2774	10.6	Go
36	68 424	17920	12276	11.1	Ko	69 520	18646	10122	10.6	Bo:	..	19364	4390	12.0	K2	69 531	20056	7926	11.5	Ko
37	..	17922	16360	11.8	B:	..	18680	18068	11.7	F5	..	19384	8622	11.9	K2	70 464	20060	3166	10.9	F8
38	68 423	17924	13562	11.3	Mo	..	18686	3693	12.4	F8	..	19384	9590	11.7	Ao*	..	20086	19740	11.8	Ko
39	68 425	17926	11744	11.8	Go	..	18686	12148	12.8	K7	..	19436	6414	12.4	F8	70 463	20108	3946	10.8	G5
40	..	17946	7946	12.1	A5	69 521	18692	8126	11.8	F5	70 453	19440	5646	11.3	K2	..	20146	2384	10.3	A3*
41	..	17952	9952	Var	K7	..	18704	5460	12.6	Ko	68 437	19440	13520	11.9	Ko	..	20158	11402	11.8	A2
42	..	17976	2660	11.8	Ko	..	18710	11692	12.2	K2	71 385	19472	920	10.7	Go	..	20160	17220	12.0	F8
43	..	17980	5548	12.0	Go	..	18718	18456	11.9	F2	67 514	19490	14922	11.7	G5	..	20176	5920	12.6	K2
44	68 427	17980	12348	11.9	Mo	67 499	18730	16644	11.6	B	..	19510	8102	12.0	Go	..	20196	10976	12.4	K2
45	70 444	17986	6630	11.7	K5	71 376	18736	2816	10.2	Go	70 454	19516	6184	11.8	Con	..	20202	5116	13.0	K7
46	69 516	18000	9246	11.4	Ko	68 435	18766	10642	11.6	Ko	66 453	19516	19598	11.6	F8	70 461	20220	5330	11.2	Con
47	..	18006	10144	12.1	F8	..	18790	9164	12.5	F8	..	19536	15178	11.9	G5	69 532	20246	9122	10.4	Ko
48	..	18010	1770	12.4	A7	66 451	18794	18268	10.7	K2	67 512	19556	16520	11.6	Go	69 535	20260	6724	12.0	Go
49	..	18020	10878	12.0	K2	..	18812	3362	12.6	F8	..	19570	16728	13.8	O	..	20260	16160	12.0	Go
50	67 495	18032	16220	11.4	Go	..	18822	15568	12.6	G5	71 386	19584	1464	12.0	F5	..	20262	8340	12.4	K7

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H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	20286	13430	12.0	F8	66 465	20990	18664	11.4	Ko	71 401	21564	996	10.4	F5	67 529	22276	14504	10.4	K2
2	66 458	20300	18880	10.6	Fo	..	20992	5340	12.6	G5	68 452	21572	11462	10.8	Ko	..	22284	11360	11.4	F8
3	..	20303	6036	12.4	Go	67 518	20994	14860	11.3	F5	..	21598	12258	11.4	Go	68 455	22298	13282	11.0	A3
4	70 465	20308	3020	10.8	Go	70 471	20996	4160	11.6	F5	..	21632	1084	12.9	G	..	22320	13720	11.6	F2
5	..	20326	17326	12.0	Ko	..	21016	14732	12.2	Ko	68 451	21656	12380	11.2	B	66 475	22320	17332	11.3	Go
6	..	20344	7600	12.2	F8	71 397	21038	1076	11.0	Go	66 472	21660	18504	11.2	G5	..	22336	9184	12.1	F8
7	..	20384	15518	12.1	K2	66 466	21040	18840	11.2	G5	..	21663	6248	12.2	Go	..	22356	15726	11.8	F5
8	70 466	20416	2816	10.6	F2	..	21050	5030	12.2	Go	66 471	21684	19902	11.3	Go	68 457	22358	12496	10.1	F5
9	69 533	20424	9310	11.7	Ko	..	21050	9080	12.0	Mo	67 526	21714	14860	11.6	F8	..	22372	10300	11.9	G5
10	..	20460	8494	11.8	F8	..	21062	10240	11.7	Mo	67 525	21718	16202	11.2	K7	..	22402	19884	12.0	K2
11	..	20490	520	12.2	G5	69 541	21084	8576	10.6	Go	67 522	21724	17182	11.4	Go	69 552	22424	7584	11.7	G5
12	..	20496	15544	12.2	Go	68 444	21084	13380	10.5	G5	..	21744	13064	12.0	G5	..	22430	15940	11.8	G5
13	..	20500	6280	12.3	F8	69 539	21102	9420	11.3	Go	..	21754	1900	12.0	G	69 550	22434	8668	11.2	F5
14	71 393	20510	1870	11.4	Go	71 398	21110	1408	12.0	Go	..	21756	15570	12.4	K5	..	22446	15740	11.6	F5
15	..	20510	8676	11.2	F*		21113	1406	12.5		..	21768	2848	12.0	F8	..	22464	9116	12.0	Ko
16	..	20518	19812	11.8	F8	68 446	21160	12400	11.3	G5	..	21780	7036	12.4	F8	..	22500	3078	12.0	G
17	..	20520	2568	11.9	F8	66 467	21170	19466	11.4	Mo	71 402	21804	1920	11.4	Go	..	22500	10484	12.4	G5
18	..	20532	16702	12.2	Con	66 469	21204	18218	11.2	Go	..	21812	2800	12.2	K	67 528	22500	16384	11.0	G5
19	..	20538	15760	12.4	K7	..	21232	12978	11.8	F5	..	21814	5940	12.4	Ko	..	22510	6342	12.3	Fo
20	..	20540	12924	11.5	B	71 400	21252	846	11.1	Ko	..	21856	7508	12.0	G5	69 551	22536	9076	8.0	Ao*
21	..	20554	6802	12.2	Ko	..	21262	18574	11.8	Ko	..	21871	15588	12.2	G5:*	69 553	22600	7694	11.6	Mo
22	..	20556	1518	12.0	G5	..	21264	18016	12.0	F	..	21874	1822	12.0	G	..	22616	594	12.6	Ko
23	..	20582	4820	12.0	F8	68 445	21272	13302	11.5	Go	..	21882	7180	12.6	Ko	69 555	22624	6240	11.1	Go
24	66 459	20592	20042	11.1	F2	..	21280	11020	12.2	Go	..	21884	924	11.6	K7	..	22630	12666	11.9	F8
25	70 468	20600	2804	11.6	Ko	..	21290	5802	12.8	Ko	71 403	21890	2172	11.2	F2	..	22640	1730	11.6	K2
26	..	20602	7980	12.6	F5	66 468	21296	19424	11.0	F5	..	21894	5804	12.0	Mo	..	22650	6810	11.8	F8
27	68 443	20634	11174	10.7	Go	..	21300	7770	12.1	G5	70 476	21896	5160	11.3	Go	..	22650	12550	11.5	F2
28	67 517	20636	14564	11.6	Go	67 519	21310	16946	10.6	Go	..	21920	17378	12.0	Go	..	22660	12798	12.0	Go
29	..	20676	1818	11.9	Go	69 546	21318	7080	11.6	Ko	..	21934	9884	12.2	K5	..	22670	17016	12.0	Go
30	..	20690	2534	11.6	G5	67 523	21324	13822	11.2	Ko	67 527	21938	14880	11.6	F5	..	22726	8494	12.1	F5
31	69 537	20732	7384	11.5	G5	..	21336	16564	11.2	Ko	..	21938	19444	12.2	Mo	67 533	22760	14866	11.0	F2
32	71 395	20738	900	11.4	Go	69 542	21356	9820	11.0	Ko	..	21948	11782	11.6	F8	68 458	22780	11660	10.7	F5
33	..	20760	6800	12.3	G5	..	21361	5574	12.3	K5	..	21984	15742	12.1	G5	..	22790	8500	12.0	Ko
34	..	20790	13178	11.6	G5	..	21370	8090	12.6	F	..	22010	7880	12.4	G	..	22790	10290	11.3	Go
35	..	20800	2490	11.4	Go	..	21416	1560	11.5	F8	..	22040	11540	11.4	F5	..	22800	9038	11.8	K5
36	66 464	20820	17572	11.8	Go	..	21428	16870	11.9	Ko	..	22084	10576	12.0	F2	..	22816	9678	11.6	M2
37	..	20822	11484	11.7	F5	..	21440	4386	11.8	A7	69 548	22086	9580	11.6	Go	..	22840	17998	12.3	K7
38	..	20860	7095	13.0	A*	67 521	21440	15100	10.6	K5	..	22090	4810	12.0	F2	..	22856	5140	11.7	Go
39	..	20860	12816	11.8	Ao	..	21442	2992	11.9	Go	..	22096	8178	13.3	G	..	22860	2820	12.2	F
40	70 469	20884	3986	11.0	Go	..	21458	18078	11.4	Mo	..	22138	8498	13.0	F5	..	22872	9152	11.8	F2
41	..	20884	15166	12.6	Ko	67 524	21472	14700	11.2	A2	71 405	22142	2538	10.8	Go	..	22882	6478	11.7	Go
42	70 470	20900	3950	10.4	F5	67 520	21474	16906	10.8	Go	66 473	22144	19340	9.6	Go	..	22906	18084	12.3	K7
43	..	20910	860	11.8	F5	..	21480	4440	11.6	Go	..	22150	3206	12.0	A7	..	22932	11720	10.8	A3*
44	..	20910	9314	12.2	K5	..	21480	9060	12.1	K7	..	22154	10264	11.8	F5	..	22940	780	11.5	A3
45	69 538	20944	8238	11.2	F5	..	21483	15959	12.5	F5*	..	22162	17748	12.2	Ko	..	22940	11120	10.9	F2:*
46	..	20944	14340	11.8	Ko	68 450	21500	13104	11.1	B:	..	22170	18712	11.6	K2	69 556	22998	6596	10.9	K7
47	66 462	20972	19786	10.0	F8	69 545	21518	9530	10.6	Fo	..	22182	10380	11.6	G5	..	23020	18894	11.8	G5
48	..	20976	8156	9.6	A3*	..	21520	7628	11.8	Go	66 474	22200	19800	11.4	F8	70 482	23024	2546	11.5	Ko
49	..	20978	8864	12.0	Ao	66 470	21542	19978	11.2	Go	68 453	22220	13340	10.9	Ko	..	23032	12890	11.8	F8
50	69 543	20990	6980	11.4	F8	70 474	21550	5376	11.4	F8	..	22224	9924	12.0	Go	..	23036	13932	12.2	Fo

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270400 Large Magellanic Cloud

H.D.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.	C.P.D.	X	Y	Mag.	Sp.
		″	″				″	″				″	″				″	″		
1	..	23040	5680	12.0	G5	..	23334	5236	12.4	Ko	..	23732	15710	11.9	A3	..	24110	13706	11.8	K2
2	..	23058	13442	11.8	A7	..	23340	13058	12.0	Go	66 485	23796	18100	11.5	Go	67 543	24116	16840	11.0	F8
3	..	23080	1730	11.6	Go	..	23360	18024	11.8	Go	69 561	23798	7742	10.8	F5	..	24120	3494	11.7	G5
4	..	23090	8010	12.1	F8	..	23364	10320	11.6	Ko	..	23814	11636	11.5	F2	..	24160	5560	12.4	Go
5	67 537	23094	14670	11.4	F8	..	23368	13948	12.0	Ko	66 480	23816	20016	11.4	Ko	..	24180	13930	11.6	F8
6	..	23108	14526	11.9	G5	..	23380	4380	11.4	Go	..	23818	6332	11.5	Go	67 545	24180	14920	11.7	F2
7	71 411	23116	1876	11.5	F8	..	23402	7552	11.9	F5	69 560	23840	8986	11.0	F5	..	24190	3240	11.8	F8
8	..	23124	15238	12.4	K	67 538	23420	16544	11.6	Go	66 482	23840	19640	11.2	K5	..	24204	17904	12.0	F8
9	..	23133	12320	12.2	F5:*	..	23430	15616	11.8	G5	66 481	23840	19886	11.1	K5	69 564	24276	7260	10.7	A7
10	..	23134	9080	11.7	K2	..	23458	1486	11.8	Go	..	23854	2164	12.2	A5	66 489	24302	17460	10.8	Go
11	..	23140	13762	11.7	Go	..	23476	7914	11.8	F8	..	23894	12204	12.5	K2	..	24306	12906	11.8	G5
12	70 478	23142	5070	10.4	Go	..	23550	13978	11.8	F8	..	23900	544	11.6	F8	66 486	24348	18330	11.9	F5
13	66 477	23144	18602	11.1	Go	..	23564	3300	11.8	F5	..	23904	9360	12.0	F8	..	24358	3528	11.0	Go
14	..	23160	12904	11.6	F5	..	23572	13182	12.0	Ko	..	23912	10136	11.6	Ko	..	24374	12666	11.8	G5
15	67 534	23180	16622	11.3	Ko	..	23574	6900	11.7	K2	..	23930	4904	11.6	K7	..	24384	15222	11.9	F2
16	..	23200	13564	12.1	Fo	70 484	23584	3674	11.5	F8	67 542	23930	16696	11.2	Ko	69 566	24398	6428	10.4	A3
17	67 539	23244	15124	12.2	F5	68 460	23594	11660	10.5	Fo	66 484	23938	19350	10.4	F8	..	24400	9850	11.8	K2
18	..	23272	13820	12.2	Ko	..	23604	10986	11.4	F:*	66 483	23950	20036	11.4	Go	..	24428	14564	11.4	K5
19	..	23273	3883	Var	K7e	..	23610	13580	12.0	Go	..	23964	3244	12.5	K	..	24440	9820	11.6	K5
20	68 459	23274	11476	9.2	A5*	..	23620	16582	12.1	F8	69 562	23976	7142	10.4	Fo	70 485	24452	5500	10.9	Mo
21	..	23290	1440	11.8	F5	..	23640	1500	11.6	F8	..	24004	15000	11.9	F8	..	24464	9420	11.3	Ko
22	66 479	23290	18280	10.7	Go	69 558	23652	9104	10.9	Go	..	24036	7100	11.4	K7	..	24468	5994	11.8	Go
23	..	23304	4366	11.8	Go	69 559	23670	8404	11.1	Fo	..	24044	16582	12.1	F5	..	24512	7996	11.6	F5
24	67 540	23324	14508	10.7	Go	..	23684	3636	12.0	G5	68 461	24086	10820	11.1	F2	..	24522	3300	11.4	F8
25	67 536	23330	16460	11.3	F5	..	23690	6380	11.6	F2	..	24110	12102	11.6	Go	70 488	24558	3490	10.7	F8

−66°.5 to −71°.5

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	260	26.9	−73 21	9.7	A3	..	34.9	−70 52	11.7	K7	..	39.1	−72 53	11.5	K5	..	42.1	−71 21	10.9	K2
2	..	27.5	−72 12	10.8	K2	..	35.2	−70 45	11.9	K7	..	39.2	−68 20	11.5	K5	..	42.1	−71 30	11.9	K5
3	..	28.4	−72 58	10.7	K5	..	35.2	−72 43	12.8	K5	270	39.2	−73 42	10.6	Ko	..	42.2	−66 30	12.1	K7
4	305	28.6	−72 38	10.0	Ko	..	35.3	−72 7	11.4	K2	..	39.3	−68 0	11.0	K2	..	42.2	−67 9	11.5	K7
5	..	28.7	−72 57	10.7	K5	..	35.4	−70 32	11.2	K2	285	39.3	−69 57	10.0	Go	..	42.2	−71 34	11.2	K2
6	306	28.8	−72 13	10.1	Ko	..	35.6	−73 40	11.2	K2	..	39.4	−73 31	11.6	G5	..	42.2	−72 14	10.8	F8
7	267	29.3	−71 41	10.7	F5	311	35.9	−70 14	10.6	Mo	..	39.5	−69 41	11.2	K7	341	42.3	−67 24	10.9	G5
8	..	29.3	−73 20	11.4	K5	..	36.0	−71 37	12.1	Ko	..	39.5	−70 9	11.4	G5	..	42.3	−70 24	10.6	F2
9	268	30.0	−71 0	10.2	F5	268	36.0	−73 14	10.4	G5	..	39.5	−73 45	10.8	F5	288	42.5	−69 29	10.7	F5
10	307	30.4	−72 38	10.2	Ko	283	36.1	−69 15	10.4	Ao	..	39.6	−70 7	10.6	F8	313	42.5	−70 12	9.8	F5
11	..	30.6	−73 6	10.9	G5	..	36.2	−71 51	11.2	K2	..	39.6	−72 3	12.0	Mo	..	42.5	−70 20	11.9	K2
12	..	30.8	−72 48	11.6	Ko	..	36.2	−72 46	12.6	K2	..	39.7	−69 3	12.4	Ko	..	42.5	−70 52	10.9	Go
13	308	30.9	−70 29	10.4	F8	..	36.3	−70 49	11.5	F8	..	39.7	−72 33	11.2	K2	..	42.5	−72 31	11.4	K2
14	..	31.2	−70 34	10.8	Go	..	36.4	−72 1	11.3	K5	316	39.7	−72 34	9.8	Go	..	42.5	−72 53	11.3	Ko
15	..	31.2	−72 13	11.1	K5	..	36.5	−68 54	12.0	Ko	..	39.9	−68 10	11.4	Ko	..	42.6	−72 22	11.3	G5
16	269	31.4	−71 56	10.0	G5	..	36.7	−70 14	11.4	K7	..	40.0	−69 9	11.2	Fo	..	42.7	−67 49	11.2	Ko
17	309	31.5	−72 40	10.6	Ko	..	36.7	−70 26	11.3	Ko	..	40.0	−69 44	11.1	K7	..	42.8	−68 33	11.3	Go
18	..	31.7	−71 45	11.3	Go	..	36.7	−71 41	11.3	G5	339	40.2	−67 12	11.1	G5	..	42.8	−69 16	11.2	F2
19	270	31.7	−71 54	10.0	Go	..	36.8	−70 9	11.4	K7	..	40.2	−72 35	10.8	Ko	..	42.8	−73 0	11.0	K5
20	262	31.8	−73 37	9.2	F5	..	36.8	−70 33	11.2	Ao	..	40.4	−69 39	11.2	Ko	..	42.9	−70 42	12.3	Mo
21	..	32.0	−73 9	10.7	F2	274	36.9	−71 1	10.3	Ko	..	40.4	−72 57	11.0	Mo	..	43.0	−67 48	12.0	K7
22	271	32.2	−71 31	10.2	G5	..	37.0	−69 40	11.7	Mo	..	40.5	−69 57	11.4	G5	..	43.1	−67 44	12.4	K7
23	..	32.2	−72 32	11.4	K2	..	37.1	−69 49	11.2	Fo	..	40.5	−70 17	10.9	G5	..	43.1	−67 53	11.4	K2
24	272	32.3	−71 27	10.0	Ko	..	37.3	−70 19	10.8	K7	..	40.5	−70 20	11.5	K5	..	43.1	−71 13	11.1	F5
25	..	32.5	−72 22	12.0	K5	..	37.3	−70 26	11.7	K	287	40.8	−69 21	10.8	F8	..	43.2	−65 40	11.4	K2
26	..	32.8	−73 24	12.1	K5	..	37.3	−72 24	11.2	F5	..	40.8	−69 27	12.9	K7	..	43.2	−67 54	11.0	G5
27	..	32.9	−71 21	11.6	Ko	..	37.4	−70 39	11.3	G5	..	40.8	−71 43	11.1	Mo	..	43.2	−72 37	11.9	G5
28	..	33.0	−72 33	10.9	K2	336	37.5	−67 54	9.8	Go	..	40.9	−68 18	11.2	Fo	318	43.3	−66 32	9.6	Ko
29	..	33.3	−69 30	11.0	K7	..	37.6	−68 23	12.2	K5	..	40.9	−71 58	11.2	G5	..	43.3	−70 18	12.2	Ko
30	..	33.3	−71 30	11.1	G5	..	37.7	−73 16	11.0	G5	..	41.0	−68 12	11.6	K2	..	43.3	−72 15	12.0	G5
31	263	33.3	−73 27	10.6	Ko	337	37.8	−67 30	10.6	F5	..	41.1	−66 57	11.8	K7	..	43.4	−68 57	12.5	Ko
32	..	33.5	−70 23	11.6	Ko	..	37.8	−68 34	11.7	F8	..	41.1	−69 39	11.7	K2	..	43.4	−71 57	12.8	K2
33	280	33.7	−69 32	10.5	Ko	..	37.8	−69 8	12.4	K5	..	41.2	−68 42	11.4	Ko	..	43.5	−69 54	11.7	K2
34	..	33.7	−72 48	11.0	G5	..	37.8	−69 12	12.0	Mo	..	41.3	−69 28	11.4	K5	280	43.5	−71 47	10.4	F5
35	281	33.8	−69 55	10.0	Fo	..	37.9	−68 34	11.2	K2	..	41.3	−70 4	12.5	K7	..	43.6	−69 45	11.6	Ko
36	..	33.8	−70 15	11.9	G5	..	37.9	−69 33	12.4	K5	..	41.4	−68 54	11.2	Ko	..	43.6	−71 33	12.0	G5
37	..	33.8	−72 0	11.0	G5	..	38.0	−68 50	12.0	F8	..	41.4	−72 22	11.3	K2	..	43.8	−71 49	12.6	K5
38	..	33.9	−69 25	11.0	Go	..	38.0	−70 32	11.7	G5	..	41.4	−73 15	10.8	Go	..	43.9	−68 57	11.9	G5
39	310	33.9	−70 4	10.0	Go	276	38.0	−70 59	10.2	Ko	..	41.5	−69 57	11.4	G5	..	44.0	−65 48	12.3	K7
40	..	33.9	−71 56	11.5	K2	..	38.2	−69 16	11.8	F5	..	41.7	−67 18	11.3	Ko	..	44.0	−69 27	12.0	K5
41	264	34.0	−72 57	10.4	K2	..	38.4	−68 57	12.0	G5	..	41.7	−67 24	11.4	K2	..	44.1	−67 51	12.2	K7
42	..	34.2	−70 18	11.8	K5	..	38.4	−72 13	11.2	Ko	..	41.7	−69 25	10.9	F2	..	44.1	−71 48	11.2	K2
43	..	34.4	−71 50	11.4	G5	..	38.5	−70 32	11.2	K7	..	41.7	−71 51	11.4	Ko	..	44.2	−65 24	12.0	K7
44	..	34.4	−72 5	11.6	K2	..	38.5	−73 25	11.0	Ko	..	41.7	−73 15	10.6	Ko	..	44.2	−66 55	12.2	F8
45	..	34.6	−71 1	11.3	G5	313	38.7	−71 57	10.0	Go	..	41.8	−72 17	11.0	K7	..	44.2	−72 14	11.0	G5
46	266	34.6	−73 18	10.0	Go	277	38.9	−71 16	10.0	Go	..	41.8	−72 58	11.0	F8	..	44.3	−68 0	11.8	K5
47	..	34.8	−72 18	11.2	Ko	..	39.0	−70 7	11.5	K2	..	42.0	−68 3	11.2	F5	..	44.3	−68 35	12.6	K5
48	..	34.8	−73 11	10.6	K2	..	39.0	−73 43	10.8	G5	..	42.0	−71 19	11.6	Ko	272	44.3	−73 18	10.7	F8
49	..	34.9	−69 54	11.4	G	..	39.1	−68 52	12.5	K7	317	42.0	−72 1	10.6	F5	..	44.4	−69 48	11.3	K2
50	..	34.9	−70 39	11.4	K2	315	39.1	−72 20	10.2	Ko	316	42.1	−66 33	11.2	K5	..	44.5	−67 26	12.2	Mo

† See Introduction, p. 205.

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	44.6	−69 40	11.9	K2	..	46.9	−69 19	11.2	G5	330	49.4	−66 7	10.2	Ko	..	52.3	−73 59	10.2	Go
2	..	44.6	−69 50	12.6	F8	..	47.0	−65 30	11.8	K2	386	49.5	−65 14	9.7	F8	..	52.5	−65 0	11.4	K2
3	378	44.7	−64 59	9.2	F5	324	47.0	−66 23	10.8	Ko	..	49.5	−67 8	12.2	Ko	292	52.8	−71 50	11.0	F5
4	..	44.8	−65 30	11.4	K5	345	47.0	−67 17	10.6	B	..	49.5	−68 8	11.2	F8	330	52.8	−72 32	10.4	Go
5	..	44.8	−68 16	11.0	Ko	325	47.1	−66 0	9.5	F5	387	49.6	−65 47	10.0	Ko	378	52.9	−64 22	11.0	K7
6	..	44.8	−68 56	12.8	K7	..	47.1	−72 11	12.2	F2	..	49.7	−66 25	12.8	K5	336	52.9	−66 1	10.4	Ao
7	..	44.9	−72 11	10.9	K7	346	47.3	−67 20	10.8	Ko	..	49.7	−72 12	12.0	G5	379	53.0	−64 19	9.7	K2
8	318	44.9	−72 48	10.4	G5	..	47.3	−67 41	11.5	K2	..	49.9	−66 10	12.1	Ko	..	53.0	−73 31	11.6	F8
9	..	45.0	−70 39	11.6	K7	..	47.3	−71 47	11.0	Ko	..	50.0	−64 53	11.5	K7	..	53.2	−65 13	11.2	Ko
10	..	45.1	−69 4	10.8	F5	..	47.3	−72 4	12.2	K2	388	50.0	−65 21	9.5	Go	..	53.2	−72 55	11.8	G5
11	..	45.1	−69 49	11.7	K5	..	47.4	−65 7	11.6	K5	331	50.0	−66 32	11.0	F5	391	53.3	−65 14	10.7	Ko
12	..	45.1	−70 30	11.5	K7	382	47.4	−65 45	10.4	Ko	..	50.0	−67 18	12.6	K5	293	53.3	−71 42	10.3	Go
13	273	45.2	−68 34	10.8	F5	..	47.4	−66 6	11.7	K7	325	50.0	−72 6	10.8	A2	..	53.5	−65 17	11.8	Ko
14	314	45.2	−70 33	10.1	F8	..	47.4	−66 10	11.6	K7	..	50.2	−71 50	12.2	Ko	392	53.7	−65 34	9.5	Go
15	379	45.3	−65 4	11.1	Mo	..	47.4	−66 18	12.0	K5	..	50.2	−73 57	10.8	Ko	..	53.8	−64 36	11.4	K2
16	..	45.3	−68 49	12.4	Mo	347	47.4	−67 23	11.2	Mo	..	50.3	−66 23	11.4	Go	..	53.9	−73 24	11.4	K5
17	273	45.3	−73 29	10.0	Ko	..	47.5	−64 48	11.5	K5	..	50.3	−67 36	11.8	F8	..	54.1	−64 26	11.4	K5
18	..	45.4	−70 21	12.8	K5	..	47.5	−65 49	12.1	K7	..	50.3	−71 52	11.6	F5	..	54.1	−64 47	11.5	K7
19	274	45.4	−73 11	10.3	Ko	327	47.6	−66 20	10.6	Go	..	50.4	−64 53	11.4	K2	382	54.1	−64 52	10.0	K2
20	..	45.5	−67 46	11.0	K5	322	47.6	−72 26	10.8	Fo	332	50.5	−66 6	10.5	K7	383	54.2	−64 39	11.0	K7
21	..	45.5	−70 27	12.1	K7	383	47.7	−65 38	11.0	K7	..	50.5	−67 5	12.8	K7	..	54.2	−64 44	11.2	K7
22	..	45.6	−67 20	12.2	K7	..	47.7	−69 15	11.1	K2	..	50.8	−65 48	13.1	K7	..	54.3	−65 59	12.2	K5
23	274	45.7	−68 55	10.8	Go	..	47.7	−72 57	11.3	K7	..	50.8	−66 56	12.2	Ko	..	54.5	−65 27	11.2	K7
24	..	45.7	−69 0	11.0	Ao	..	47.8	−68 13	12.5	K7	..	50.8	−73 16	11.2	K2	..	54.6	−65 36	12.4	Mo
25	..	45.7	−69 52	12.7	K2	..	47.8	−68 22	11.4	Ko	333	50.9	−66 9	10.0	G5	331	54.6	−72 37	9.9	A2
26	..	45.8	−68 12	11.7	F8	..	47.9	−68 32	12.7	K5	289	50.9	−71 57	11.6	G5	386	54.8	−64 54	9.7	Go
27	..	45.9	−65 32	11.4	G5	349	48.0	−67 20	10.2	F5	..	50.9	−72 9	11.7	G5	387	54.8	−64 56	9.9	K5
28	..	45.9	−65 58	11.6	K5	..	48.0	−72 38	11.1	G5	..	50.9	−72 23	11.9	Go	..	54.9	−73 23	11.2	F8
29	..	45.9	−66 19	12.0	K7	..	48.1	−66 30	12.2	K7	..	50.9	−73 26	11.0	G5	..	55.0	−71 53	12.0	F8
30	..	45.9	−69 55	11.7	Ko	384	48.2	−65 55	11.0	A5	..	51.0	−65 21	12.1	K7	..	55.2	−65 41	11.6	K5
31	..	46.0	−67 33	11.4	G5	..	48.2	−71 41	11.0	F8	..	51.0	−66 42	11.5	F8	..	55.2	−65 50	11.4	Mo
32	380	46.1	−65 37	9.4	F8	..	48.3	−67 21	12.4	A7	279	51.0	−73 8	10.1	Ko	..	55.2	−72 48	11.4	G5
33	..	46.2	−66 31	11.6	Mo	..	48.3	−67 50	12.0	Ko	..	51.2	−65 3	11.3	K2	..	55.2	−72 52	12.4	Ko
34	..	46.2	−68 48	12.4	K7	..	48.3	−72 6	12.6	Ko	..	51.2	−65 57	12.3	K5	333	55.3	−72 34	10.0	F5
35	344	46.3	−67 27	11.0	Go	..	48.4	−66 19	12.4	K5	..	51.2	−73 21	11.0	G5	..	55.5	−65 3	11.9	Mo
36	..	46.3	−68 56	11.3	K2	323	48.6	−72 32	10.7	Go	..	51.3	−65 36	12.0	K5	..	55.5	−65 37	12.3	Ko
37	..	46.3	−69 30	11.8	K7	350	48.8	−66 58	11.0	Go	..	51.6	−64 53	11.2	Ko	..	55.6	−65 55	12.4	K2
38	..	46.4	−66 24	11.7	K7	..	48.8	−71 37	12.9	Mo	327	51.6	−72 15	10.9	F2	335	55.6	−72 8	10.1	Ko
39	..	46.4	−67 47	11.4	K7	276	48.8	−73 11	10.1	Fo	389	51.7	−65 12	10.5	A5	..	55.6	−73 23	11.7	K7
40	..	46.4	−72 38	10.8	F8	277	48.8	−73 51	10.0	Ko	..	51.7	−65 34	11.4	K5	..	55.8	−65 4	11.6	K7
41	..	46.4	−73 12	10.8	Mo	..	48.9	−65 25	11.4	K7	328	51.7	−72 14	10.8	F2	298	56.0	−71 57	10.7	F2
42	381	46.5	−65 12	11.1	Ko	385	48.9	−65 45	9.7	Go	..	51.8	−65 45	11.7	K2	..	56.1	−64 41	11.9	K5
43	..	46.5	−68 53	11.3	Ko	351	48.9	−67 1	11.0	K5	..	51.9	−65 6	11.6	K7	299	56.2	−71 55	10.2	K2
44	..	46.6	−69 23	11.5	K5	..	48.9	−67 41	12.0	K7	..	51.9	−66 16	11.6	G5	336	56.5	−72 29	11.0	F5
45	..	46.7	−67 53	11.2	K7	373	49.1	−64 51	11.5	K2	..	51.9	−72 45	11.1	Go	392	56.6	−64 31	10.3	G5
46	320	46.7	−72 30	10.5	Go	278	49.1	−73 10	10.4	F2	390	52.0	−65 36	10.0	K2	337	56.6	−72 17	10.9	K7
47	323	46.8	−66 13	11.4	Mo	..	49.1	−73 34	11.0	Ao	..	52.0	−73 7	11.2	A7	..	56.6	−73 57	11.2	Ko
48	..	46.8	−68 49	12.2	Mo	..	49.2	−65 26	11.1	Mo	..	52.1	−65 24	12.8	K7	..	56.7	−64 51	11.6	K7
49	..	46.9	−66 36	12.4	K2	..	49.3	−65 1	11.1	K7	334	52.2	−66 24	11.1	K2	338	56.7	−72 5	11.0	G5
50	275	46.9	−68 17	10.4	Ko	354	49.3	−67 32	10.7	F2	291	52.3	−71 42	10.8	F8	..	56.8	−64 52	11.4	Mo

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	395	56.9	−65 39	10.6	Ko	411	1.1	−65 33	10.5	K7	..	5.8	−65 3	10.5	G*	..	9.8	−73 55	11.4	A3
2	..	56.9	−65 45	11.9	K7	361	1.1	−66 1	11.5	Con	..	5.8	−71 53	12.2	G5	..	9.9	−72 49	10.9	G5
3	..	56.9	−73 34	11.0	F5	360	1.1	−66 4	12.3	K5	..	5.9	−64 58	12.4	K7	..	10.0	−65 48	11.8	F2
4	396	57.3	−65 26	10.0	K5		1.1	−66 4	12.4		..	6.0	−65 7	12.2	K5	..	10.1	−65 53	12.8	K5
5	..	57.4	−65 13	11.2	Ko	412	1.5	−65 29	11.2	G5	..	6.0	−72 7	12.8	G	317	10.1	−74 7	10.6	Go
6	..	57.4	−66 4	11.4	K2	..	1.5	−72 43	10.8	F8	427	6.3	−65 56	10.2	F5	..	10.2	−73 26	10.9	Go
7	397	57.5	−65 42	10.5	K5	414	1.6	−65 43	9.8	F2	..	6.3	−73 46	11.6	F8	..	10.3	−64 37	12.1	K2
8	..	57.6	−65 45	10.9	K5	413	1.6	−65 58	11.5	Ko	..	6.5	−65 6	12.2	K7	..	10.3	−65 59	12.0	K7
9	..	57.8	−65 6	11.6	K7	415	1.8	−65 10	9.8	G	..	6.5	−65 12	11.4	G5	381	10.5	−66 12	10.7	Go
10	339	57.9	−72 41	10.7	F2	362	1.9	−66 2	10.6	G5	429	6.5	−65 40	11.6	K	..	10.5	−71 50	11.6	K7
11	..	58.0	−65 58	11.9	Ko	..	2.0	−65 18	12.3	K5	430	6.6	−65 40	10.5	Ko	..	10.5	−72 57	10.8	K7
12	..	58.1	−73 44	11.4	Go	418	2.0	−65 35	11.0	F5	431	6.6	−65 48	10.4	K7	..	10.7	−66 2	11.6	G5
13	302	58.2	−71 46	10.8	K5	..	2.1	−73 13	11.1	Go	..	6.7	−72 8	11.6	Ko	440	10.8	−65 48	11.2	F5
14	..	58.3	−65 21	13.2	K5	..	2.2	−64 54	11.6	Ko	345	6.7	−72 38	9.2	F5	..	10.9	−65 26	11.8	Ko
15	..	58.3	−71 56	11.8	K5	..	2.2	−72 6	12.6	K5	413	6.8	−64 58	9.8	Go	..	10.9	−66 4	12.0	K5
16	..	58.4	−64 40	12.2	K7	..	2.2	−73 42	11.0	Go	..	6.8	−65 45	11.9	Mo	..	11.0	−72 48	11.0	F8
17	..	58.4	−65 7	11.6	K7	..	2.2	−73 48	10.4	Go	346	6.9	−72 11	11.1	G5	..	11.1	−66 5	11.8	G5
18	..	58.4	−65 59	11.7	B:	..	2.2	−73 48			..	7.0	−66 11	11.6	F8	..	11.1	−73 29	11.2	Mo
19	..	58.6	−73 15	12.0	F5	*419*	2.5	−64 59	9.8	K2	414	7.1	−64 40	9.7	Ko	..	11.2	−72 21	11.9	F5
20	398	58.8	−65 49	10.7	Ko	..	2.6	−73 13	10.8	Go	..	7.1	−73 3	11.0	K2	..	11.4	−64 55	11.7	K5
21	..	58.9	−66 8	12.0	F5:*	420	2.8	−65 14	10.1	K5	..	7.1	−73 40	12.0	Go	..	11.4	−65 31	11.6	Mo
22	..	58.9	−73 4	10.7	K2	..	2.9	−73 59	10.8	K5	432	7.3	−65 42	11.2	Ko	..	11.4	−71 58	12.5	Ko
23	303	59.0	−71 51	11.0	K7	368	3.0	−66 0	11.6	Ko	..	7.3	−72 35	11.5	F5	..	11.5	−73 20	11.9	Go
24	..	59.0	−72 49	12.2	K7	..	3.3	−73 41	11.5	K5	..	7.5	−65 2	11.9	K5	423	11.6	−64 45	10.4	Ko
25	..	59.1	−73 19	11.6	F8	..	3.4	−72 48	11.7	K7	433	7.5	−65 56	10.6	Go	..	11.8	−72 5	12.1	F5
26	400	59.2	−65 8	11.1	Mo	342	3.4	−72 52	11.0	K7	434	7.7	−65 58	10.6	F5	..	12.0	−72 43	12.8	Mo
27	401	59.3	−65 17	11.2	Ko	..	3.4	−73 45	11.8	K5	..	7.8	−72 47	10.9	Mo	..	12.1	−72 15	12.0	F5
28	..	59.3	−71 55	11.5	G5	422	3.6	−65 34	11.3	Mo	..	7.9	−64 30	11.0	K5	..	12.2	−72 54	11.2	Fo
29	..	59.4	−64 49	11.8	Ko	..	3.6	−73 2	11.7	K7	..	8.0	−65 44	12.0	K7	..	12.3	−65 1	13.1	K7
30	..	59.4	−72 16	11.5	F5	..	3.7	−65 50	12.2	Ko	348	8.0	−72 18	10.6	Go	..	12.3	−73 40	10.9	K7
31	..	59.6	−65 8	11.6	Ko	..	3.7	−71 57	11.7	A7	..	8.1	−64 56	12.2	K7	..	12.4	−65 3	12.0	F8
32	403	59.6	−65 16	10.2	Ko	..	3.8	−73 0	11.8	K7	289	8.2	−73 38	10.5	F5	..	12.5	−73 7	12.0	Go
33	404	59.8	−65 55	10.6	B	..	3.9	−65 15	11.6	G5	..	8.3	−64 53	11.8	Ko	353	12.6	−72 21	10.9	K2
34	405	59.9	−65 30	9.7	Ao	..	4.0	−72 39	11.2	Go	287	8.3	−73 0	10.3	G5	..	12.7	−72 46	11.2	K2
35	..	59.9	−72 21	11.8	Go	..	4.1	−72 22	12.8	G	..	8.5	−73 58	11.2	Go	442	12.8	−65 5	10.2	Go
36	..	59.9	−72 27	11.7	F5	..	4.4	−65 11	11.6	Ko	..	8.6	−65 48	12.1	K7	..	12.8	−65 34	12.2	Ko
37	398	0.0	−64 35	10.0	K5	..	4.6	−73 12	11.3	F8	349	8.6	−72 29	11.1	G5	..	13.0	−72 49	11.2	F8
38	304	0.1	−71 48	11.2	G5	..	4.7	−72 22	10.9	K2	..	8.7	−72 46	11.0	Go	..	13.1	−65 1	12.2	K7
39	406	0.2	−65 28	10.1	F8	424	4.8	−65 7	11.0	G5	..	8.8	−64 55	12.6	K5	430	13.2	−64 45	11.1	K2
40	..	0.3	−64 59	12.3	Mo	408	5.0	−64 44	10.9	K7	..	8.8	−65 25	12.0	K7	..	13.3	−71 51	12.5	G5
41	*355*	0.3	−65 59	11.1	A5	..	5.2	−73 46	11.3	K5	..	8.9	−73 55	10.9	Go	..	13.3	−72 35	12.8	G5
42	..	0.3	−73 56	10.8	F8	425	5.3	−65 15	10.7	Ko	..	9.1	−72 32	11.8	F8	..	13.4	−65 43	13.0	Ko
43	..	0.4	−73 2	11.0	A3	410	5.4	−64 30	10.8	F8	..	9.5	−64 51	12.8	K2	..	13.4	−72 8	12.7	A3
44	407	0.7	−65 38	10.9	K2	..	5.4	−65 49	12.0	K5	..	9.6	−64 26	Var	M7e	..	13.5	−64 32	11.2	Ko
45	..	0.7	−71 56	11.8	Mo	..	5.4	−73 5	11.2	G5	..	9.6	−65 0	12.2	K2	..	13.5	−65 11	12.6	Mo
46	408	0.8	−65 13	9.8	F8	426	5.5	−65 40	11.2	K2	436	9.6	−65 38	11.7	Ko	..	13.5	−66 1	12.3	K5
47	*358*	0.8	−65 59	10.4	F2	..	5.5	−66 5	13.0	K7	..	9.7	−64 55	12.6	K5	354	13.5	−72 22	10.8	Ko
48	359	0.8	−66 5	11.6	Con	..	5.5	−66 11	12.0	Ko	438	9.7	−65 32	11.6	K7	..	13.5	−72 55	11.2	Go
49	410	0.9	−65 57	10.4	B	..	5.6	−66 9	12.2	K7	439	9.7	−65 40	10.2	K2	..	13.6	−65 17	11.0	K7
50	..	0.9	−72 10	12.0	F5	412	5.7	−64 34	11.5	K5	..	9.8	−64 38	12.3	K7	..	13.7	−71 52	12.2	Go

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271100 **$5^h\ 13^m.7$ to $5^h\ 29^m.1$**

H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	13.7	−73 6	12.2	K7	452	18.0	−65 37	9.9	Mo	..	22.1	−73 2	11.4	K5	444	25.5	−64 37	11.2	F5
2	432	13.8	−64 31	10.6	A	360	18.0	−72 42	11.2	Ko	..	22.3	−65 45	11.1	Ko	..	25.5	−65 16	11.9	Ko
3	*445*	14.0	−64 59	10.6	K5	361	18.1	−72 13	11.0	K2	..	22.3	−66 15	11.4	F*	..	25.6	−65 50	10.9	Mo
4	290	14.0	−73 41	10.1	F8	..	18.2	−65 21	11.6	G5	463	22.4	−65 50	10.6	F2	..	25.8	−72 2	12.4	G
5	446	14.1	−65 48	11.0	Go	..	18.2	−72 9	11.7	K7	..	22.4	−66 13	12.3	K7	..	25.9	−66 10	Neb	P*
6	433	14.3	−64 48	10.6	Ko	..	18.3	−65 34	12.2	Ko	368	22.4	−72 10	10.9	F2	..	25.9	−73 45	10.8	F5
7	..	14.3	−72 12	12.3	F5	362	18.3	−72 1	10.8	Go	..	22.5	−64 57	11.6	K5	470	26.0	−65 51	10.8	F8
8	355	14.4	−72 32	10.3	Go	..	18.4	−65 3	11.3	F8	..	22.6	−73 25	11.7	K5	..	26.0	−72 44	11.4	Go
9	434	14.5	−64 38	11.0	K5	..	18.4	−65 23	11.5	K5	..	22.7	−71 56	12.8	Ko	..	26.1	−73 18	12.0	K7
10	..	14.7	−64 59	11.7	G5	295	18.4	−73 45	10.0	F2	407	22.8	−66 7	10.6	Go	..	26.2	−72 22	11.4	F8
11	..	15.1	−65 4	11.8	Ko	*394*	18.5	−65 59	11.3	K5	464	23.0	−65 52	10.7	G5	..	26.3	−65 23	11.8	Mo
12	..	15.1	−73 25	10.6	G5	..	18.5	−72 10	11.2	G5	..	23.0	−71 53	11.4	Ko	..	26.3	−65 59	11.4	F2
13	292	15.1	−73 46	10.4	F8	453	18.7	−65 47	11.0	A5	..	23.0	−72 2	11.4	B	471	26.5	−65 15	11.2	F2
14	..	15.3	−65 39	11.7	Fo	..	18.9	−65 39	11.4	K5	..	23.0	−73 56	11.0	F8	..	26.6	−64 55	11.8	Mo
15	389	15.3	−66 2	10.8	Ko	437	19.0	−64 46	9.5	F8	..	23.1	−64 46	11.8	G5	472	26.6	−65 6	10.6	Go
16	..	15.3	−66 14	12.7	G:*	..	19.0	−65 11	11.6	K5	..	23.1	−72 57	11.9	G5	374	26.6	−72 31	11.2	G5
17	..	15.4	−65 19	12.5	K5	..	19.2	−71 51	11.6	F8	..	23.2	−71 57	11.8	K2	..	26.7	−72 51	11.2	Ko
18	..	15.4	−65 41	12.5	K7	..	19.2	−73 12	10.9	Go	..	23.3	−65 35	11.8	K2	..	26.7	−73 25	10.8	G5
19	..	15.4	−65 47	12.8	K2	..	19.3	−65 29	12.2	K7	..	23.3	−73 11	11.1	K2	..	26.9	−64 51	11.8	Mo
20	..	15.5	−64 36	11.4	K7	454	19.5	−65 15	10.8	K7	370	23.4	−72 19	10.6	Go	..	26.9	−65 39	11.6	G5
21	..	15.5	−65 14	12.6	K2	438	19.7	−64 49	10.7	K7	..	23.4	−73 41	10.8	F8	..	26.9	−71 51	11.8	Go
22	..	15.5	−65 46	11.9	K5	..	19.8	−65 33	11.8	F5	..	23.5	−66 6	12.3	K2	..	26.9	−74 7	11.2	G5
23	..	15.5	−72 18	12.7	A7	..	19.9	−72 32	12.0	Go	..	23.6	−65 2	12.4	K7	..	27.1	−66 11	11.4	Ao
24	447	15.6	−65 2	10.8	F2	..	20.0	−65 48	11.0	Mo	..	23.7	−72 35	11.8	G*	..	27.1	−72 8	12.6	K5
25	..	15.7	−65 34	12.2	K2	403	20.0	−66 11	11.0	Ko	466	23.8	−65 8	10.9	K7	..	27.2	−64 39	11.3	K7
26	356	15.7	−72 8	10.8	Mo	..	20.0	−72 58	11.2	F5	..	23.8	−65 34	11.7	Ko	..	27.2	−72 28	11.5	Go
27	..	15.7	−72 32	12.8	K7	..	20.3	−72 55	11.1	F8	371	23.9	−72 2	10.8	(A3)	297	27.3	−73 27	10.4	K2
28	..	15.9	−64 52	12.3	Ko	456	20.4	−65 52	10.4	F8	..	23.9	−72 52	11.0	Go	298	27.4	−73 57	10.6	K7
29	391	16.2	−66 14	10.8	Mo	..	20.6	−64 54	11.3	K2	..	24.2	−72 44	11.3	G5	473	27.5	−65 46	10.0	B
30	293	16.2	−73 50	10.2	Go	..	20.6	−65 12	11.8	K7	..	24.4	−64 57	12.3	Ko	..	27.5	−72 34	11.3	Go
31	..	16.3	−74 8	10.9	F5	366	20.7	−72 0	11.2	F5	..	24.4	−71 53	12.6	G5	..	27.5	−72 44	11.4	K7
32	..	16.6	−64 48	11.6	K5	457	20.8	−65 54	9.7	Ko	..	24.4	−73 7	11.8	Go	..	27.5	−73 27	12.2	Fo
33	..	16.7	−72 46	11.6	K5	331	21.1	−71 52	10.7	(G5)	..	24.5	−65 4	11.6	Mo	..	27.6	−72 55	12.3	F5
34	393	16.8	−66 3	11.0	G5	458	21.2	−65 12	10.4	F8	..	24.6	−66 14	11.4	Con	..	27.8	−66 9	11.6	K2
35	..	16.8	−71 54	12.8	G	..	21.2	−72 58	11.6	G5	..	24.7	−65 38	11.3	G5	..	27.8	−72 15	12.9	G5
36	..	16.9	−64 44	11.6	K2	..	21.3	−65 57	11.8	K5	467	24.8	−65 37	10.4	Go	..	28.0	−64 35	12.2	K5
37	448	17.0	−65 41	11.2	K5	404	21.3	−66 0	11.4	Mo	..	24.8	−65 37	11.3	F2	450	28.0	−64 50	10.4	Fo
38	..	17.0	−73 49	10.7	K2	..	21.3	−72 37	12.2	Ko	..	24.8	−66 6	12.0	K2	299	28.0	−73 0	10.8	F8
39	449	17.1	−65 21	10.4	K5	459	21.5	−65 19	10.5	Fo	..	24.8	−72 8	12.3	G	417	28.1	−66 13	10.9	K5
40	357	17.1	−72 5	11.3	G5	460	21.5	−65 44	10.1	G5	..	24.8	−72 29	11.2	Go	..	28.1	−73 29	12.2	K2
41	450	17.2	−65 0	11.5	Ko	461	21.5	−65 51	10.2	B	..	24.9	−65 53	11.2	Mo	..	28.2	−66 9	11.5	B
42	..	17.2	−71 54	12.8	(F5)	462	21.5	−65 58	9.9	B	..	25.0	−65 11	11.7	K7	..	28.3	−73 12	10.7	Go
43	..	17.3	−73 6	11.6	Go	..	21.5	−72 37	12.2	Go	..	25.0	−65 26	11.3	Ko	451	28.4	−64 33	10.8	K5
44	..	17.4	−64 42	11.3	K7	..	21.6	−65 11	11.2	Mo	..	25.0	−73 15	11.3	Go	..	28.4	−65 44	11.8	Con
45	..	17.5	−64 52	11.6	Mo	..	21.6	−73 28	12.0	K7	..	25.1	−64 33	11.6	K7	..	28.7	−64 33	11.7	K7
46	451	17.5	−65 12	10.4	K2	..	21.7	−73 3	11.2	Ko	..	25.3	−65 40	11.0	F8	..	28.7	−65 26	11.0	K5
47	..	17.6	−74 1	11.8	Go	..	21.8	−72 55	11.4	Ko	373	25.3	−72 12	10.4	A3	..	28.7	−72 22	11.8	Ko
48	..	17.7	−72 43	11.6	Mo	..	21.8	−73 41	11.8	Go	..	25.3	−73 45	11.6	Go	..	28.7	−73 7	11.0	Go
49	..	17.7	−72 48	11.5	Ko	..	21.9	−72 25	11.0	G5	..	25.4	−65 28	12.2	Ko	..	28.9	−66 1	11.8	G5
50	..	17.8	−65 27	11.3	Go	405	22.0	−66 13	11.0	F5	..	25.4	−73 12	11.6	M2	..	29.1	−71 51	11.4	Go

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	29.1	−72 30	12.0	K0	352	32.8	−71 52	11.4	G5	..	36.3	−64 37	11.0	G0	..	39.1	−66 13	12.3	F5
2	..	29.2	−64 33	11.9	K5	..	32.8	−72 8	11.5	G0	487	36.3	−65 3	9.9	K0	399	39.1	−72 31	11.6	G0
3	..	29.3	−71 57	12.2	G:*	..	32.9	−72 2	12.3	G5	..	36.4	−66 5	12.6	F0	..	39.2	−72 22	12.0	F2
4	..	29.3	−72 8	12.8	K5	..	32.9	−72 11	11.6	G5	..	36.4	−71 57	12.2	K0	..	39.2	−73 31	11.6	G0
5	..	29.4	−65 5	11.5	K5	..	33.1	−65 17	11.7	K0	312	36.5	−73 11	11.3	F5	..	39.3	−74 4	11.6	K0
6	477	29.5	−65 55	10.6	F8	383	33.5	−72 29	10.7	F5	..	36.5	−73 18	12.0	F5	..	39.4	−66 4	12.4	G5
7	..	29.6	−65 38	11.8	K2	384	33.5	−72 54	10.1	A0	..	36.6	−71 47	11.8	G5	..	39.4	−72 39	12.1	K
8	422	29.6	−66 7	9.7	F8	..	33.6	−73 20	12.3	K2	392	36.6	−72 3	11.2	K2	..	39.5	−72 26	11.8	G5
9	..	29.6	−72 13	13.0	F2	..	33.6	−73 27	12.0	K0	..	36.7	−66 11	12.1	K5	..	39.5	−72 50	11.9	G5
10	376	29.6	−72 42	11.0	G0	..	33.7	−65 24	11.0	F8	..	36.7	−73 32	12.4	F5	..	39.6	−72 56	12.0	F8
11	478	29.7	−64 59	11.0	F8	..	33.8	−73 12	12.2	K5	313	36.7	−73 54	10.2	G0	..	39.7	−65 58	12.6	K7
12	..	29.7	−71 58	12.0	A5*	..	33.8	−73 58	11.9	G0	..	36.8	−65 31	11.8	F8	..	39.7	−73 16	11.5	K7
13	..	29.7	−73 9	11.5	F8	..	34.0	−66 18	11.5	Con	..	36.8	−72 19	12.4	G5	..	39.8	−64 47	11.6	F5
14	..	29.8	−71 51	11.8	M0	..	34.0	−73 34	12.6	F0	..	36.9	−65 6	11.8	F8	..	39.9	−73 48	12.1	A3
15	..	29.9	−64 57	11.8	K5	..	34.1	−65 21	11.8	G5	..	36.9	−72 32	12.0	M0	470	40.1	−64 54	9.4	G0
16	..	29.9	−65 44	10.8	F8	..	34.1	−66 13	11.8	Con	..	37.0	−65 58	12.2	K7	..	40.1	−65 28	11.8	G0
17	..	30.1	−65 47	10.8	G0	..	34.1	−73 18	12.0	G0	..	37.0	−72 27	12.0	F5	..	40.1	−65 44	12.4	K5
18	378	30.3	−72 30	10.8	G0	308	34.1	−73 42	9.8	F8	..	37.0	−73 30	12.2	G0	..	40.1	−66 7	11.9	G5
19	377	30.3	−72 49	10.3	G0	..	34.3	−65 43	10.9	A5	..	37.1	−65 20	12.1	F8	..	40.1	−72 26	11.8	F8
20	..	30.5	−64 34	10.9	F5	385	34.3	−72 23	10.6	G0	..	37.2	−64 53	12.0	K5	..	40.1	−72 59	11.8	F5
21	..	30.5	−72 3	12.4	A7	..	34.4	−64 49	11.5	F5	314	37.2	−73 14	10.6	K0	342	40.2	−74 4	11.3	F5
22	..	30.5	−72 4	12.8	K7	484	34.4	−65 56	10.6	G0	315	37.2	−73 17	10.6	G5	..	40.3	−71 57	12.6	F8
23	..	30.8	−64 47	11.3	K7	..	34.4	−73 52	11.6	F2	..	37.3	−66 11	12.1	K7	..	40.3	−72 23	11.9	F2
24	380	30.8	−72 0	10.7	G5	..	34.5	−66 3	11.1	F8	463	37.5	−64 54	10.6	K7	..	40.5	−73 8	12.1	K7
25	..	30.9	−64 53	11.6	K2	309	34.5	−73 48	11.4	A7	..	37.7	−65 18	12.4	K0	..	40.6	−72 37	11.6	G0
26	..	31.0	−65 11	12.0	K0	388	34.7	−72 3	10.8	F2	..	37.8	−65 44	12.1	G0	..	40.6	−72 55	11.8	G0
27	..	31.1	−65 33	11.4	G5	..	34.7	−72 8	11.6	G0	..	37.9	−71 59	12.4	K7	..	40.7	−72 40	12.2	K2
28	..	31.2	−65 42	11.2	K7	..	34.8	−71 49	12.7	F8	..	37.9	−72 16	12.4	G	..	40.8	−72 51	12.2	G0
29	381	31.3	−72 45	11.1	G5	389	34.8	−72 16	11.2	G0	..	38.0	−65 18	12.3	K5	..	40.8	−73 44	12.2	F8
30	..	31.4	−64 49	10.8	K0	310	34.8	−73 9	10.7	F8	..	38.0	−65 41	11.5	K5	..	41.0	−64 45	11.3	G5
31	..	31.4	−65 27	11.7	G0	..	34.9	−65 36	12.2	K5	..	38.1	−64 31	11.4	F0	..	41.1	−72 42	11.5	G5
32	..	31.5	−65 18	11.2	F5	..	34.9	−65 42	11.6	F8	..	38.2	−71 55	11.6	F8	..	41.2	−71 52	12.6	G0
33	481	31.5	−65 55	10.8	F2	390	34.9	−72 13	11.2	K5	317	38.2	−73 17	10.5	F8	400	41.2	−72 14	11.2	A5
34	..	31.7	−65 45	11.8	G5	..	35.1	−64 48	11.8	K0	..	38.3	−64 38	11.2	G0	..	41.3	−65 58	11.8	G0
35	427	31.7	−66 14	10.9	G5	..	35.2	−66 16	11.9	G5	397	38.3	−72 27	11.3	K0	..	41.4	−65 43	11.6	K7
36	..	31.7	−72 11	11.2	F5	..	35.3	−65 4	11.8	K7	318	38.3	−73 23	9.9	F2	325	41.4	−73 38	10.3	F5
37	303	31.8	−73 0	11.0	K7	..	35.3	−73 9	12.0	G5	488	38.4	−65 29	10.3	G0	..	41.6	−73 25	12.4	G0
38	..	31.9	−71 56	12.1	F2	..	35.4	−65 10	12.0	F5	..	38.4	−71 49	13.2	K7	401	41.7	−72 0	11.3	F8
39	..	32.0	−65 16	11.8	K0	..	35.5	−66 6	15.0	P*	..	38.5	−71 48	13.0	G5	..	41.7	−72 26	11.6	G0
40	..	32.1	−73 21	11.6	M2	485	35.6	−65 1	10.1	G5	320	38.5	−73 40	10.7	A2	402	41.8	−72 25	11.4	G5
41	..	32.2	−65 58	11.1	G5	..	35.6	−72 3	11.7	G5	..	38.5	−73 57	12.2	F8	..	41.8	−73 7	11.5	G0
42	..	32.2	−71 57	12.0	F5	..	35.7	−64 36	11.4	K7	..	38.6	−73 50	11.6	F8	..	41.9	−65 45	12.4	M0
43	304	32.3	−73 32	10.0	G5	..	35.7	−66 10	12.1	K0	..	38.7	−72 13	12.6	F5	..	41.9	−73 46	11.7	F8
44	305	32.3	−73 50	11.5	K7	460	35.8	−64 50	10.4	G0	..	38.8	−65 50	11.8	M0	..	41.9	−73 51	11.8	K0
45	..	32.5	−72 1	12.0	K2	436	36.0	−66 1	11.0	A3	..	38.8	−71 58	12.6	K7	..	42.0	−66 12	12.6	K7
46	..	32.5	−72 51	11.4	F5	486	36.1	−65 14	10.6	K7	398	38.8	−72 26	11.4	K2	..	42.1	−65 20	12.2	K5
47	..	32.7	−65 32	11.8	K5	..	36.1	−73 27	12.3	F8	467	38.9	−64 50	9.8	K5	..	42.2	−66 13	11.6	F5
48	..	32.7	−65 45	11.0	M0	..	36.2	−72 42	11.8	K0	489	38.9	−65 18	10.3	F5	..	42.2	−71 55	12.3	G5
49	306	32.7	−73 2	11.4	F2	..	36.2	−73 36	11.4	F8	..	38.9	−65 55	12.3	F	..	42.2	−74 2	11.2	K2
50	307	32.7	−73 30	10.0	M0	311	36.2	−73 44	10.8	A3	322	39.0	−73 4	11.5	K0	..	42.4	−65 22	11.5	K2

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	42.5	−65 42	11.9	F2	..	47.0	−72 43	11.9	G5	..	49.9	−71 58	12.1	K0	361	53.0	−74 3	10.6	F8
2	404	42.5	−72 6	11.4	K7	..	47.2	−72 2	12.0	F2	..	49.9	−72 9	12.4	K2	..	53.1	−66 0	11.8	G5
3	..	42.6	−65 53	11.7	G0	..	47.2	−73 20	11.4	G0	..	50.1	−65 44	12.0	K2	..	53.3	−72 10	12.3	G0
4	447	42.7	−66 7	11.5	F2	..	47.2	−73 33	11.8	K2	..	50.1	−73 53	11.7	G	..	53.4	−73 31	11.0	F2
5	..	42.8	−64 55	11.6	G0	351	47.2	−74 1	10.6	G0	..	50.2	−72 59	12.1	K2	..	53.4	−74 3	10.6	K2
6	..	42.8	−72 40	12.0	G0	..	47.3	−66 7	12.4	F8	..	50.3	−71 49	12.3	F5	391	53.5	−71 58	11.2	K7
7	..	42.8	−72 45	13.0	G0	332	47.3	−73 10	10.2	G0	..	50.4	−73 16	12.0	F8	..	53.7	−72 14	11.7	K0
8	..	42.9	−71 53	12.8	G5	..	47.4	−64 57	12.2	K2	339	50.4	−73 55	10.8	G5	..	53.7	−73 14	11.5	F5
9	326	42.9	−73 22	11.2	K2	..	47.4	−72 53	11.6	F8	485	50.6	−64 58	11.4	G5	..	53.8	−65 27	11.5	K5
10	474	43.0	−64 45	10.7	K0	480	47.5	−64 40	11.6	G0	508	50.6	−65 11	11.6	F5	..	53.8	−65 47	11.9	F5
11	..	43.0	−72 9	12.1	F5	415	47.5	−72 2	11.4	G5	..	50.6	−73 14	12.8	F5	..	53.8	−65 55	11.9	K2
12	..	43.0	−73 6	11.7	G5	..	47.6	−72 4	12.2	K5	509	50.7	−65 2	11.6	G5	497	54.1	−64 39	11.6	K7
13	406	43.3	−72 59	11.2	F8	..	47.6	−72 28	12.8	K2	..	50.7	−73 35	11.6	F8	423	54.1	−72 27	11.0	K2
14	450	43.5	−66 11	11.3	F5	..	47.7	−65 48	12.9	K7	..	50.8	−64 26	12.2	G5	519	54.2	−65 20	10.8	G5
15	344	43.6	−74 3	11.3	K5	..	47.7	−66 9	11.8	F2	..	50.8	−65 6	11.5	G0	425	54.2	−72 47	11.1	G0
16	..	43.7	−72 50	12.6	K0	..	47.7	−72 46	12.0	F8	510	50.9	−65 31	11.9	A5	..	54.2	−72 53	12.0	G5
17	494	43.8	−65 31	9.4	A3	..	47.7	−73 5	11.6	F8	511	50.9	−65 52	11.1	F0	..	54.3	−73 33	11.2	K7
18	..	43.8	−73 8	12.1	K0	503	47.8	−65 4	11.1	G5	512	51.0	−65 57	11.2	G0	..	54.3	−73 50	11.3	G5
19	..	43.8	−73 24	11.4	G0	502	47.8	−65 30	10.1	G5	..	51.0	−72 44	12.5	K5	..	54.4	−65 15	12.4	K0
20	..	43.9	−73 0	12.2	F2	..	47.9	−72 6	12.0	G5	..	51.1	−71 47	11.5	F8	426	54.5	−72 22	11.4	F2
21	327	43.9	−73 20	11.2	K2	..	48.0	−73 20	11.9	F0	..	51.1	−72 22	12.0	G0	520	54.6	−65 9	10.6	G5
22	476	44.2	−64 48	10.3	G0	..	48.2	−71 48	11.8	K0	..	51.1	−73 19	11.6	G0	521	54.6	−65 56	10.6	F2
23	..	44.2	−64 54	12.0	G	..	48.2	−73 5	12.2	F0	487	51.2	−64 42	9.8	A0	522	54.7	−65 58	10.6	F0
24	407	44.3	−72 11	11.4	K2	..	48.3	−72 6	12.0	K5	..	51.2	−65 47	12.2	F5	..	54.8	−72 4	12.0	F8
25	346	44.4	−74 1	10.9	G5	334	48.3	−73 56	10.7	G5	..	51.3	−72 42	12.0	G5	427	54.8	−72 22	10.7	K5
26	..	44.5	−64 32	11.6	K0	..	48.4	−64 42	12.2	K5	..	51.3	−72 50	12.4	G	..	54.9	−73 18	11.6	F5
27	..	44.5	−73 5	11.4	F8	..	48.4	−64 50	11.9	G0	..	51.4	−65 11	12.9	K0	..	55.0	−64 49	12.1	K2
28	497	44.8	−65 21	10.4	G0	..	48.4	−73 28	12.8	K5	..	51.5	−65 21	12.6	F*	428	55.1	−72 31	11.6	K0
29	498	44.8	−65 32	10.3	F5	416	48.5	−72 3	10.9	F8	..	51.5	−65 55	12.2	F8	..	55.1	−73 15	12.0	F2
30	409	44.8	−72 0	11.5	K0	505	48.6	−65 54	11.0	F5	513	51.6	−65 33	11.8	A7	..	55.1	−73 51	11.5	G0
31	..	45.2	−72 12	11.6	G5	506	48.6	−65 54	11.0	F5	..	51.6	−73 1	12.4	G	..	55.3	−72 47	11.5	K5
32	499	45.3	−65 5	10.9	G0	379	48.6	−71 48	10.7	G0	..	51.6	−73 15	11.6	G5	..	55.4	−73 15	12.0	F8
33	500	45.4	−65 10	10.0	G0	..	48.7	−71 42	11.8	K2	489	51.7	−64 42	10.2	G5	429	55.5	−72 3	10.8	F5
34	..	46.0	−65 54	12.0	K5	417	48.7	−72 23	10.9	K5	..	51.7	−65 12	13.0	K7	..	55.5	−73 5	11.8	G5
35	412	46.0	−72 36	11.0	G0	..	48.7	−72 36	12.2	F0	514	51.8	−65 36	9.8	G0	394	55.6	−71 59	10.4	K0
36	..	46.1	−64 53	12.5	K7	..	48.8	−64 49	11.8	K0	490	51.9	−64 28	11.6	K2	430	55.6	−72 6	11.6	A5
37	*454*	46.1	−65 59	10.6	F8	..	49.0	−73 18	12.0	G5	..	51.9	−73 45	11.5	K0	..	55.7	−72 52	11.7	K0
38	..	46.1	−66 12	11.2	G5	336	49.0	−73 56	10.6	K7	..	52.0	−65 49	12.0	F8	498	55.9	−64 13	11.2	K2
39	..	46.3	−65 8	12.1	M0	..	49.1	−72 10	12.3	G5	515	52.1	−65 17	11.4	F5	525	55.9	−65 2	9.5	A7
40	413	46.4	−72 9	11.4	F8	..	49.3	−72 28	11.8	K5	492	52.2	−64 53	10.2	K0	432	55.9	−72 18	11.2	G5
41	..	46.4	−72 20	11.8	K2	..	49.4	−73 41	11.5	K2	..	52.2	−71 59	11.8	K0	..	56.0	−65 6	12.1	K0
42	..	46.5	−71 46	12.2	F8	..	49.5	−71 43	11.9	F5	341	52.2	−73 5	11.2	K5	..	56.0	−71 45	12.6	F8
43	..	46.6	−66 12	12.0	F5	..	49.5	−72 57	12.6	G5	..	52.3	−73 2	12.6	K5	..	56.2	−72 49	11.4	G5
44	..	46.7	−72 26	11.8	F0	..	49.5	−73 23	11.6	G5	516	52.5	−65 13	10.3	K0	..	56.2	−72 57	11.6	G0
45	..	46.8	−71 46	11.8	F8	382	49.6	−71 48	11.2	F0	..	52.6	−65 39	11.2	F2	499	56.3	−64 14	11.4	F5
46	..	46.8	−71 52	11.7	F5	..	49.7	−64 49	12.2	K7	..	52.7	−72 28	12.8	M0	..	56.4	−65 17	11.5	K0
47	..	46.9	−65 15	12.5	K5	460	49.7	−66 5	10.2	A3	421	52.8	−72 48	10.8	G0	396	56.5	−71 40	10.5	G0
48	..	46.9	−73 25	12.0	F2	..	49.7	−72 59	12.6	G0	..	52.9	−65 4	12.5	G5	..	56.5	−71 52	12.2	K0
49	479	47.0	−64 37	10.7	K7	..	49.8	−72 24	11.8	F5	517	52.9	−65 35	10.3	G5	..	56.5	−72 41	11.5	K0
50	..	47.0	−65 10	12.2	K0	..	49.9	−65 12	11.9	M0	518	53.0	−65 25	10.1	K5	..	56.7	−64 40	12.6	K7

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	56.8	−65 34	12.3	Ko	..	0.1	−65 24	12.4	K7	462	3.3	−68 18	10.8	F2	..	5.2	−68 27	11.6	Fo
2	..	56.9	−71 54	12.2	G5	..	0.1	−72 35	11.4	G5	..	3.3	−73 13	11.6	F8	468	5.2	−68 28	11.0	Ko
3	435	56.9	−72 17	10.7	Ko	440	0.2	−72 31	11.0	G5	..	3.3	−73 21	11.8	Go	..	5.2	−69 3	12.0	Go
4	434	56.9	−72 20	10.4	F8	..	0.3	−64 57	12.4	K7	550	3.4	−67 11	11.8	F8	..	5.2	−73 52	10.9	G5
5	527	57.0	−65 40	11.4	Ko	351	0.3	−73 22	11.2	G5	464	3.4	−68 28	10.8	Go	548	5.3	−65 43	11.0	K5
6	436	57.0	−72 42	11.2	Go	..	0.4	−71 52	12.7	G5	..	3.5	−72 40	12.0	K5	..	5.4	−64 54	11.9	Ko
7	..	57.1	−65 45	11.3	K7	..	0.5	−72 4	12.5	F8	543	3.6	−65 24	10.8	F2	..	5.4	−65 33	11.2	K5
8	..	57.1	−72 48	12.0	G	..	0.5	−73 6	11.9	Ko	..	3.6	−67 6	11.7	F8	..	5.5	−64 23	11.6	K5
9	342	57.1	−73 18	10.3	Go	488	0.6	−66 3	10.7	A2	..	3.6	−73 38	11.7	F5	..	5.6	−65 12	12.0	K7
10	..	57.1	−73 52	11.8	Mo	..	0.6	−66 19	11.8	G5	..	3.7	−68 43	12.0	Ko	469	5.6	−68 23	10.2	Go
11	..	57.3	−64 56	12.1	K7	353	0.6	−73 26	10.8	Go	465	3.8	−68 15	10.9	Go	550	5.7	−65 53	11.2	F8
12	..	57.4	−73 13	10.9	K7	..	0.7	−72 58	11.8	Go	444	3.8	−72 15	10.5	F5	..	5.7	−68 35	11.8	K5
13	500	57.5	−64 18	10.4	F8	..	0.8	−72 29	11.8	Go	..	3.8	−72 31	12.0	F5	567	5.7	−69 21	10.9	K2
14	399	57.6	−71 55	10.3	G5	..	1.0	−65 14	11.8	F8	544	3.9	−65 35	10.3	Ko	..	5.7	−72 32	11.4	Go
15	501	57.7	−64 7	11.0	G5	..	1.0	−72 59	11.8	F5	..	3.9	−65 43	11.4	Mo	..	5.8	−68 42	11.6	Go
16	502	57.7	−64 58	10.6	A7	..	1.1	−73 15	12.5	K5	491	3.9	−66 28	10.1	G5	..	5.8	−69 39	11.4	K5
17	..	57.7	−72 1	12.4	K5	..	1.1	−73 46	11.7	G5	492	3.9	−66 46	11.1	Ko	..	5.9	−64 46	11.8	K2
18	..	57.8	−65 14	11.5	F8	..	1.2	−71 45	12.0	G	..	3.9	−72 44	11.7	A5	568	5.9	−69 17	10.2	Fo
19	..	57.9	−73 20	11.6	F2	534	1.4	−65 30	11.2	F8	..	3.9	−72 58	11.8	K2	..	5.9	−72 21	12.0	A5
20	504	58.1	−64 34	10.7	K2	..	1.4	−66 1	11.8	F5	..	3.9	−73 5	11.8	K7	..	5.9	−73 3	10.6	G5
21	..	58.1	−64 45	11.5	Ko	..	1.4	−66 8	11.8	Mo	413	4.0	−71 40	10.6	F5	..	6.0	−69 1	11.4	F2
22	..	58.2	−71 51	11.8	F8	..	1.5	−65 45	12.2	F8	..	4.0	−71 59	11.6	Ko	..	6.0	−72 54	12.8	K7
23	505	58.4	−64 44	10.8	F8	..	1.5	−72 12	12.2	K7	..	4.1	−66 6	12.0	A7	..	6.1	−64 32	11.4	Ko
24	..	58.4	−73 4	12.6	G5	..	1.5	−72 37	11.8	Go	466	4.1	−68 2	10.8	Go	551	6.1	−65 32	9.2	A3
25	506	58.5	−64 13	9.9	F2	..	1.6	−65 9	12.0	K5	..	4.1	−68 33	11.6	Go	..	6.1	−68 15	11.8	Go
26	507	58.5	−64 23	9.6	G5	490	1.6	−66 35	10.1	A3	..	4.2	−66 51	12.0	F8	569	6.1	−69 1	10.5	F2
27	..	58.5	−72 13	12.3	F8	..	1.7	−66 18	11.9	Ko	445	4.2	−72 21	10.6	F8	..	6.2	−64 59	10.9	A5
28	..	58.5	−72 28	11.7	Go	535	1.8	−65 9	11.1	K5	467	4.3	−68 31	9.9	F8	..	6.2	−71 58	11.7	F8
29	347	58.6	−73 30	10.7	Ao	..	1.8	−71 43	12.0	G5	551	4.4	−67 22	11.5	F5	..	6.2	−73 47	10.9	Ko
30	346	58.6	−73 39	10.2	Go	537	1.9	−65 8	10.7	K7	..	4.5	−71 48	12.8	G	..	6.3	−65 50	12.3	Ko
31	..	58.7	−65 44	11.8	Ao	..	2.1	−66 57	12.0	K5	..	4.6	−65 10	12.2	K5	494	6.3	−66 4	10.6	Go
32	..	58.8	−64 25	11.6	Ko	441	2.1	−72 55	10.6	F2	..	4.6	−67 22	11.6	K5	..	6.3	−66 24	11.8	Go
33	..	59.0	−64 22	11.9	K7	..	2.2	−66 35	12.2	F5	..	4.6	−68 6	11.2	Ko	554	6.3	−67 17	11.6	G5
34	508	59.0	−64 28	10.3	K5	547	2.2	−67 37	11.3	Go	545	4.7	−65 41	11.0	F8	..	6.3	−69 55	11.8	G5
35	529	59.0	−65 16	11.2	K7	..	2.2	−72 20	12.0	Mo	..	4.8	−65 30	11.2	K2	447	6.3	−72 18	10.3	F5
36	..	59.2	−72 24	12.1	F5	442	2.2	−72 30	11.1	F5	..	4.8	−68 50	12.2	F5	515	6.4	−64 54	10.9	K5
37	348	59.2	−73 21	10.3	F5	538	2.3	−65 40	10.8	G5	..	4.8	−71 51	12.4	G	..	6.4	−67 42	12.0	A5
38	..	59.2	−73 51	11.7	G5	..	2.4	−71 49	11.8	F5	..	4.8	−72 6	12.1	G	..	6.5	−69 40	11.3	F8
39	509	59.3	−64 27	10.8	Ko	..	2.4	−72 19	11.8	Mo	..	4.9	−68 9	11.4	G5	..	6.5	−69 56	11.4	F8
40	..	59.3	−73 27	11.9	G5	539	2.5	−65 49	8.8	Go	..	5.0	−64 59	10.9	G5	552	6.6	−65 47	10.6	Mo
41	..	59.4	−71 58	12.0	G5	..	2.5	−66 47	11.9	B8	..	5.0	−66 8	12.1	G5	518	6.7	−64 32	10.4	Ko
42	..	59.4	−73 20	11.6	Ko	540	2.6	−65 53	10.2	A3	..	5.0	−66 45	11.8	Go	..	6.7	−66 38	11.9	F5
43	532	59.5	−65 25	10.5	K7	548	2.6	−67 41	10.9	G5	552	5.0	−67 30	10.9	F5	..	6.7	−72 44	10.8	G5
44	..	59.5	−65 49	11.8	K2	514	2.7	−64 56	10.7	K2	..	5.0	−69 10	11.6	Go	517	6.8	−64 24	10.4	Fo
45	..	59.6	−73 26	11.6	Ko	541	2.7	−65 46	10.5	G5	..	5.0	−72 35	12.1	Go	556	6.8	−67 14	11.1	Go
46	..	59.7	−72 22	12.0	K2	409	2.7	−71 56	10.9	G5	553	5.1	−67 41	10.2	Go	..	6.8	−67 47	11.8	K2
47	..	59.8	−66 6	11.9	Go	..	2.8	−64 26	11.8	K7	..	5.1	−68 36	12.0	A5	..	6.8	−70 2	12.0	G5
48	439	59.9	−72 32	10.8	Go	542	2.9	−65 15	9.4	G5	547	5.2	−65 51	9.9	K5	..	6.8	−72 48	11.6	F8
49	533	0.0	−65 15	11.3	G5	..	2.9	−66 25	12.6	K5	..	5.2	−66 14	12.7	Go	..	6.9	−66 36	11.8	K2
50	..	0.1	−64 45	11.7	Mo	463	3.3	−68 15	10.4	G5	..	5.2	−68 0	11.5	F8	..	6.9	−69 24	11.4	Go

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H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′				m	° ′				m	° ′		
1	..	6.9	−73 19	11.4	K5	..	8.6	−68 48	12.1	F8	..	10.9	−69 9	11.4	F5	..	13.2	−72 43	11.5	F8
2	470	7.0	−68 6	10.3	Go	..	8.7	−68 53	12.4	K5	..	10.9	−69 23	11.6	G5	482	13.3	−68 5	10.4	Go
3	471	7.0	−68 59	10.6	Go	..	8.8	−68 32	12.6	F8	..	10.9	−69 59	11.8	F8	..	13.3	−69 41	11.9	Go
4	..	7.3	−66 52	11.8	K7	576	8.8	−69 40	11.0	F2	..	10.9	−71 4	11.7	Go	..	13.3	−71 31	11.7	F8
5	..	7.3	−67 46	11.8	A3	..	8.8	−73 37	11.2	Go	..	10.9	−72 36	11.9	F8	..	13.4	−68 14	10.6	A5*
6	..	7.3	−70 7	11.1	K5	..	8.9	−65 41	11.4	G5	562	11.0	−67 56	10.4	Ko	..	13.5	−70 7	11.7	F5
7	..	7.3	−72 13	11.3	K2	577	9.0	−69 9	11.6	F2	..	11.0	−71 8	12.0	G5	..	13.6	−71 53	11.8	G5
8	448	7.4	−72 9	10.5	A2	..	9.0	−69 17	11.4	F5	453	11.0	−72 14	10.6	Ko	..	13.6	−72 4	12.0	K2
9	472	7.5	−68 15	10.2	F5	..	9.0	−71 1	12.0	A5	454	11.0	−72 45	10.4	K2	358	13.7	−73 35	10.6	K5
10	449	7.5	−72 16	10.8	Ao	..	9.0	−71 8	12.0	F8	476	11.1	−68 18	11.1	A3	584	13.8	−69 21	9.8	F8
11	..	7.6	−67 34	11.5	F5	556	9.1	−65 39	10.6	Mo	..	11.1	−68 45	11.4	Ao	..	13.8	−73 25	11.7	A5
12	558	7.6	−67 45	10.8	F8	..	9.2	−71 44	12.1	G	..	11.2	−69 12	12.0	Go	..	14.0	−70 2	11.2	F8
13	..	7.6	−70 11	11.4	Ko	..	9.2	−73 35	11.1	Go	..	11.2	−73 4	11.0	F2	..	14.0	−71 1	12.1	F2
14	..	7.6	−73 10	11.6	F5	..	9.3	−68 40	12.0	K7	..	11.3	−68 44	11.7	Mo	423	14.1	−71 1	11.5	K5
15	..	7.6	−73 11	11.7	Go	..	9.3	−70 26	11.8	Ko	..	11.3	−69 48	12.0	G5	..	14.3	−71 6	12.1	F5
16	473	7.7	−68 14	10.8	F8	..	9.4	−67 30	11.3	F2	500	11.4	−66 55	9.7	Fo	..	14.4	−71 11	11.6	F5
17	..	7.7	−70 29	12.0	Go	..	9.4	−69 6	11.6	Fo	..	11.5	−69 34	11.4	G5	..	14.5	−69 40	12.0	Go
18	..	7.7	−71 46	11.9	K5	..	9.5	−70 59	12.0	Ko	420	11.5	−71 29	10.7	Go	..	14.6	−70 40	11.6	Go
19	*554*	7.8	−66 0	10.5	Fo	..	9.7	−67 40	11.4	F5	477	11.6	−68 51	10.6	G5	460	14.6	−72 27	10.8	Mo
20	..	7.8	−71 29	11.8	K5	490	9.7	−70 58	10.8	F5	..	11.7	−69 55	11.9	K5	585	14.7	−69 59	10.2	Go
21	..	7.8	−71 54	11.6	Ko	414	9.7	−71 21	10.6	Ao	..	11.7	−69 57	11.4	K2	*484*	14.8	−69 0	10.0	Go
22	..	7.9	−65 56	11.8	Go	..	9.7	−73 20	11.6	G5	493	11.7	−70 38	10.9	Ao	496	14.8	−70 10	10.5	Go
23	..	7.9	−66 20	11.0	K5	..	9.8	−71 7	12.1	G5	..	11.7	−71 25	12.1	F5	..	14.8	−72 57	11.7	Ko
24	..	7.9	−66 58	Var	Ao	..	9.9	−68 2	12.0	K5	..	11.8	−68 22	11.2	F8	..	14.8	−73 5	11.4	G5
25	495	7.9	−66 59	10.5	Go	..	9.9	−68 45	11.4	G5	478	11.8	−68 32	10.6	K2	497	14.9	−70 32	10.4	F8
26	..	7.9	−69 35	11.9	Go	..	9.9	−71 48	11.8	F5	..	11.8	−69 47	12.0	Go	..	14.9	−70 36	11.9	G5
27	..	7.9	−71 13	11.9	G5	..	9.9	−72 43	12.1	F8	494	11.9	−70 7	11.1	F8	..	14.9	−70 53	12.1	F2
28	450	7.9	−72 37	11.0	Mo	498	10.0	−66 30	9.7	Go	..	11.9	−72 47	11.5	F8	..	14.9	−71 27	11.8	F5
29	..	7.9	−73 12	11.6	G5	475	10.0	−68 12	10.5	A3	..	11.9	−73 26	11.1	G5	..	15.0	−70 6	11.1	F2
30	..	8.0	−70 19	12.0	K2	..	10.0	−68 54	12.2	G5	479	12.0	−68 34	10.6	K7	..	15.0	−70 53	12.0	F2
31	489	8.0	−70 31	10.4	Go	..	10.0	−68 57	12.1	Go	..	12.1	−68 25	11.4	G5	586	15.2	−69 7	10.0	Ko
32	496	8.1	−66 42	10.9	Go	..	10.1	−67 17	11.1	Go	..	12.1	−68 49	11.8	Go	498	15.2	−70 10	10.6	F2
33	559	8.1	−67 31	11.2	Ko	..	10.1	−67 47	11.8	A3	..	12.1	−71 10	12.0	F5	..	15.3	−71 56	11.2	K2
34	..	8.1	−68 39	12.4	Go	..	10.1	−69 49	11.8	Go	..	12.2	−69 5	10.8	F5*	..	15.3	−72 36	12.0	G
35	..	8.1	−69 12	11.6	Mo	..	10.1	−73 12	11.8	G5	..	12.2	−70 50	10.7	G5	..	15.4	−70 33	11.0	Ko
36	..	8.1	−70 49	12.0	Mo	..	10.2	−67 17	11.1	F2	..	12.2	−71 47	11.8	F5	499	15.5	−70 14	10.5	Ko
37	..	8.1	−72 14	11.9	G5	560	10.2	−67 26	11.2	G5	455	12.2	−72 52	10.0	Go	..	15.5	−71 56	11.4	Ko
38	..	8.2	−73 42	11.9	F5	..	10.2	−70 43	11.4	F5	456	12.3	−72 32	11.2	K2	..	15.5	−72 2	11.9	G
39	..	8.3	−66 3	11.8	K2	..	10.3	−72 57	12.0	G5	495	12.4	−70 29	10.2	F2	587	15.6	−69 6	9.8	Go
40	..	8.3	−67 23	11.9	G5	..	10.4	−69 54	11.2	G5	..	12.5	−72 45	11.0	F5	..	15.6	−72 59	11.5	Go
41	..	8.3	−68 35	12.2	F5	416	10.4	−71 59	11.2	K5	480	12.6	−68 37	10.9	A5	588	15.7	−69 11	9.9	Ao
42	497	8.4	−66 17	10.6	Go	..	10.4	−72 16	12.1	G	..	12.6	−68 44	11.2	Go	..	15.8	−72 41	12.0	K7
43	..	8.4	−71 46	11.7	G5	..	10.4	−73 48	11.4	Ko	481	12.7	−68 30	11.0	F8	..	15.8	−73 46	12.2	G5
44	452	8.4	−72 42	10.9	K2	..	10.5	−68 15	11.6	K2	..	12.7	−72 25	13.0	K5	589	15.9	−69 14	10.2	K
45	573	8.5	−69 8	11.4	A5	..	10.5	−71 21	11.0	Go	..	12.8	−69 36	12.0	F2	..	15.9	−72 40	12.0	Go
46	574	8.5	−69 19	9.9	F5	..	10.6	−69 25	11.8	Go	581	12.9	−69 12	10.8	Go	359	16.0	−73 13	10.6	F8
47	..	8.5	−69 45	11.8	G5	..	10.6	−71 58	11.8	G	..	13.0	−71 19	11.7	Ko	..	16.1	−72 6	11.9	G
48	..	8.5	−72 11	11.6	Go	..	10.6	−72 37	11.6	F5	..	13.0	−73 45	11.8	G5	424	16.2	−71 53	10.4	F5
49	..	8.6	−66 52	11.6	Fo	418	10.7	−71 48	10.9	F8	..	13.1	−72 9	11.5	K5	461	16.3	−72 3	10.1	F2
50	..	8.6	−68 14	11.2	Go	..	10.8	−68 45	11.6	Go	..	13.2	−68 22	11.2	K5	..	16.3	−72 41	12.0	G5

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272100 **$6^h\ 16^m.4$ to $6^h\ 24^m.3$**

H.D.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.	C.P.D.	R.A. 1900	Dec. 1900	Mag.	Sp.
		m	° ′				m	° ′		
1	..	16.4	−73 17	11.8	F5	367	19.4	−73 23	9.8	F2
2	..	16.6	−70 55	11.5	Fo	466	19.5	−72 16	11.6	K5
3	..	16.7	−71 32	11.6	Go	467	19.5	−72 39	10.4	K5
4	462	16.7	−72 15	11.4	F5	468	19.8	−72 17	11.9	K7
5	..	16.7	−73 31	10.8	K2	368	19.8	−73 5	10.4	F8
6	..	16.8	−71 14	12.2	G	369	19.9	−73 10	10.4	Ko
7	..	16.9	−72 1	11.8	K2	470	20.9	−72 32	11.1	Go
8	..	17.1	−72 48	11.0	Ko	..	20.9	−72 57	11.3	A2
9	..	17.2	−71 45	11.8	A5	471	21.0	−72 25	10.7	Go
10	..	17.2	−73 8	12.1	G	431	21.5	−71 33	10.6	Go
11	..	17.2	−73 27	10.8	F2	..	21.8	−72 48	11.2	Ko
12	503	17.7	−70 54	10.6	Ko	..	21.9	−73 6	11.3	K2
13	362	17.7	−73 23	10.2	G5	472	22.0	−72 42	10.6	Mo
14	363	17.8	−73 48	10.0	Go	..	22.0	−73 20	11.4	Ko
15	..	17.9	−73 0	11.5	K7	473	22.7	−72 35	11.2	Go
16	364	18.0	−73 13	10.4	F5	474	22.9	−72 5	10.8	Ko
17	505	18.2	−70 45	10.3	Go	475	23.0	−72 26	10.8	F5
18	..	18.2	−72 46	11.6	K2	..	23.3	−73 21	11.3	Ko
19	366	18.5	−73 27	10.0	F5	..	23.4	−73 13	11.4	F8
20	..	18.7	−71 37	11.6	F5	476	23.5	−72 33	11.2	K7
21	..	18.7	−73 34	11.9	G5	..	23.5	−72 49	11.7	G5
22	..	18.8	−73 3	11.9	K5	..	23.8	−72 49	11.1	Go
23	464	18.9	−72 37	10.4	Ko	..	24.2	−73 17	11.3	F8
24	*465*	18.9	−73 1	11.2	K2	..	24.2	−73 33	11.6	Go
25	..	19.1	−72 50	11.4	K7	477	24.3	−72 32	10.6	G5

−64° to −74°

END OF VOLUME 100

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