Erratum: MK Classifications for F- and G-Type Stars. II*†

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MK spectral classifications are given for 166 stars of HD types F2–G5, and having $m_V = 7.5$ or brighter. The classifications were made on slit spectrograms of dispersion 75 Å/mm.

In Paper I of this series, Harlan (1969) presented MK classifications for 314 stars having HD spectral types between F2 and G5, and $m_V = 7.5$ or brighter. The classifications were made on prismatic spectrograms of dispersion 75 Å/mm at Hγ, obtained at the 36-inch refractor. This second list of types for 166

Table I. MK classifications of F and G stars.

HD	α (1900)	δ	m_V	HD	Type MK
417	0h03m7	+24°54′	6.4	G5	G8 II-III
483	04.2	+16 59	7.2	G0	G2 III
1375	12.8	+12 13	6.6	G5	G8 II
2302	21.8	+24 29	6.7	F5	F7 IV
2925	27.4	+22 38	7.0	G0	G8 III-IV
2954	27.7	+15 38	6.9	F5	F6 III
4432	41.5	+21 05	7.0	F8	F8 IV
5036	47.2	+20 52	7.2	F5	F7 V
5137	48.2	+28 58	6.7	G5	G5 III
6566	1 01.4	+13 22	7.3	F2	F6 V
8815	1 21.8	+29 16	7.2	F2	F6 V
9986	32.4	+11 35	6.9	G0	G5 V
10995	42.9	+16 32	7.3	G0	G2 IV
11592	48.7	+10 08	7.0	F5	F7 V
13382	2 05.7	+20 55	7.2	G0	G5 V
13825	09.6	+23 50	6.9	G5	G8 IV
16150	30.5	+13 20	7.4	F5	F6 III
18803	56.4	+26 14	6.7	G0	G8 V
19270	3 00.9	+12 48	5.8	G5	K3 III
19504	03.0	+10 25	7.4	F5	F4 V
23257	3 38.6	+27 37	7.0	G0	G2 IV
25230	55.3	+19 55	6.8	G5	K1 III
25296	56.1	+27 52	7.5	G5	G8 II
25627	59.0	+17 15	6.8	G5	K2 III
33185	5 03.4	+29 40	6.6	F8	F8 V
33252	03.8	+27 26	6.9	F5	F8 V
35956	23.2	+12 29	6.8	F8	G0 V
35984	23.4	+29 07	6.2	F5	F6 III
39156	45.5	+11 28	6.9	G5	K0 IV
39881	50.3	+13 56	6.5	G5	G5 IV
40020	5 51.2	+11 30	6.1	G5	K2 III
41304	59.2	+14 24	6.7	F5	F6 V
44926	6 19.4	+23 30	6.8	G5	K1 III
48805	40.1	+23 29	6.5	G5	G8 V
50482	48.4	+21 17	6.6	G5	K1 III
55130	7 06.6	+27 26	6.4	F5	F8 V
56329	11.5	+14 02	7.4	F8	F6 IV
78418	9 03.0	+27 03	6.0	G5	G5 IV
78715	04.6	+22 24	6.1	G5	G8 III
80536	15.3	+25 36	7.3	G0	G2 V
80654	9 15.9	+13 33	6.6	F5	F8 V
83273	32.1	+25 08	6.6	F8	G0 III
84497	40.6	+20 57	7.4	G5	G8 III
85586	47.7	+20 25	7.5	G5	G8 III
86419	53.3	+11 26	7.3	F2	F0 III
87178	58.2	+10 23	7.1	F2	F6 III
87776	10 02.2	+15 40	7.2	F8	G0 V
88009	03.7	+19 01	7.1	G5	G8 II
88355	06.2	+13 51	6.4	F5	F7 V
96479	11 02.0	+10 44	7.3	F8	F5 IV
97561	11h08m5	+20°41′	6.9	G0	G5 III
98354	13.7	+14 49	6.6	G0	F9 V
100180	26.6	+14 55	6.2	G0	G0 V
101484	35.6	+21 54	5.4	G5	K1 III
101688	37.0	+22 46	6.6	F2	F3 V
104452	56.6	+22 39	6.6	F8	G0 II
104883	59.6	+16 51	7.5	F8	F5 III
106022	12 06.9	+29 06	6.4	F2	F5 IV
106057	07.1	+21 06	5.7	G5	G8 III
107146	14.1	+17 07	7.0	G5	G2 V
107213	12 14.5	+28 43	6.3	F5	F8 V
107569	16.7	+22 25	7.4	F5	F8 III
111066	41.6	+24 41	6.7	F5	F8 V
111395	43.9	+25 24	6.4	G5	G5 V
112060	48.6	+20 02	6.6	G5	G5 IV
112196	49.7	+22 39	7.0	F8	F8 V
113022	55.7	+18 55	6.1	F5	F7 IV
113095	56.2	+17 40	6.0	G5	K0 III
113848	13 01.4	+21 42	6.0	F5	F4 V
114637	06.7	+22 28	6.8	G5	G5 III
114793	13 07.7	+19 17	6.6	G5	G8 III
115782	14.3	+29 07	7.0	F8	F8 IV
117176	23.5	+14 19	5.2	G0	G5 V
117876	28.1	+24 52	6.2	G5	G8 III
118244	30.5	+23 01	7.0	F5	F5 V
119126	36.3	+23 01	5.8	G5	K0 III
120064	42.1	+26 12	5.9	F5	F7 III-IV
120510	44.8	+13 30	6.7	F5	F8 V
120865	47.0	+12 27	6.8	F5	F5 III
121560	51.1	+14 34	6.2	F5	F8 V
122563	13 57.6	+10 11	6.1	G0	F8 IV
122742	58.6	+11 16	6.4	G5	G8 V
123845	14 04.9	+16 05	6.7	F5	F7 V
124679	09.9	+10 35	5.4	G5	K1 III
125040	11.9	+20 35	6.4	F5	F8 V
126246	19.3	+11 42	6.7	F5	G0 V
127539	26.9	+18 05	7.2	F5	F5 III
127740	28.0	+14 31	7.0	F5	F5 III
129132	35.8	+22 24	6.2	F5	G0 V
129336	36.9	+12 05	5.6	G5	G8 III
129430	14 37.4	+21 33	6.4	G5	G8 III
129537	38.0	+15 08	6.6	F2	F2 III
130603	44.0	+24 47	6.0	F5	F2 V
130948	45.8	+24 20	5.8	G0	G2 V
131473	48.7	+16 06	6.4	G0	F6 III
133161	57.9	+16 26	7.0	G0	G2 V
134792	15 06.7	+29 37	7.1	F5	F6 III
135101	08.3	+19 40	6.4	G5	G5 V
136138	13.9	+20 57	5.7	G5	G5 IV
136176	14.1	+27 12	6.6	F8	G0 V

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† Because there were many typographical errors in Table I as originally published, this entire paper is reprinted here. The editors regret this unfortunate occurrence, which was in no way the fault of the authors.

TABLE I (*continued*)

HD	α (1900)	δ	m_V	Type HD	Type MK
137510	15h21m4	+19°50′	6.3	G0	G0 V
139457	33.2	+10 35	7.0	F8	F8 V
139862	35.4	+12 23	6.3	G5	G8 II
140027	36.4	+16 21	6.0	G5	G8 III
140572	39.3	+23 16	7.2	F8	F8 V
140667	39.8	+11 36	7.4	F8	G0 V
159797	17 31.5	+19 54	6.7	G5	G8 III
160910	37.4	+16 00	5.6	F5	F5 V
160935	37.6	+21 34	6.7	F5	F8 IV
161149	38.8	+14 20	6.2	F5	F5 II
161502	17 40.8	+11 11	7.1	G5	G5 III
162865	48.1	+16 55	6.6	F5	F3 III-IV
163151	49.6	+11 10	6.3	F5	F5 Vn
163840	53.2	+24 01	6.4	G0	G2 V
164043	54.2	+14 52	7.1	F8	F8 V
164507	56.4	+15 07	6.3	G5	G5 IV
164595	56.8	+29 34	7.2	G5	G2 V
164901	58.3	+16 49	7.5	G0	F7 V
167134	18 08.8	+16 14	6.7	F5	F8 IV
167588	10.8	+29 12	6.5	G0	F8 V
167944	18 12.4	+12 02	7.1	F5	F8 III
168874	16.9	+27 29	7.1	G5	G2 IV
170829	26.4	+20 46	6.6	G5	G8 V
171365	29.4	+17 39	7.0	F5	F6 V
171874	32.0	+12 55	7.4	F5	F6 II
172744	36.8	+12 09	7.0	G5	K2 II
174160	44.1	+23 24	6.0	F5	F8 V
176155	53.8	+17 14	5.4	F5	F8 Ib
176973	57.6	+18 59	6.8	G5	K0 III
177082	58.1	+14 26	6.8	G0	G2 V
190516	20h00m2	+15°38′	7.1	G0	G0 V
191837	06.8	+19 05	7.4	F8	F5 V
200877	21 01.1	+14 56	6.6	F5	F7 IV
201545	05.2	+18 49	7.0	F5	F8 V
201891	07.4	+17 21	7.3	F5	F7 V
205603	31.3	+14 39	6.7	G5	G8 II
208363	50.7	+20 23	6.9	G5	K1 III
209421	58.2	+15 18	7.2	F2	F4 V
209601	59.5	+13 10	7.0	F5	F6 V
210211	22 03.7	+23 41	6.6	G5	G2 V
210264	22 04.1	+21 40	7.1	G5	G5 III
210444	05.4	+22 38	7.3	F5	F6 IV
210460	05.5	+19 08	6.1	G0	G0 V
211152	10.1	+23 48	7.0	F5	F7 III
211460	12.1	+28 41	6.8	G5	G5 IV
211476	12.2	+12 23	6.9	G0	G2 V
212395	18.8	+20 20	6.1	F5	F7 V
214567	34.0	+19 00	5.8	G5	G8 II
215243	38.7	+10 26	6.4	F5	G8 IV
216219	46.0	+17 28	7.4	G5	G0 IIp
216723	22 50.1	+27 28	7.3	G5	G8 III
217014	52.5	+20 14	5.6	G0	G5 V
217783	58.0	+22 37	7.2	F5	F5 IV
217813	58.2	+20 23	6.7	G0	G5 V
217924	59.0	+21 03	7.3	G0	G0 V
218099	23 00.2	+24 00	7.1	F5	F5 IV
218261	01.5	+19 22	6.4	F8	F7 V
219291	09.6	+29 13	6.4	F5	F5 IV
219477	10.9	+27 42	6.5	G5	G5 III
219779	13.4	+27 03	7.4	F5	G0 IV
220334	23 17.8	+20 01	6.6	G0	G2 V
221271	25.6	+16 01	7.3	G5	K1 III
221627	28.6	+17 16	6.7	G0	G2 IV
222249	33.9	+22 46	7.0	F5	F5 IV
222317	34.4	+27 41	7.0	G0	G2 V
225292	59.9	+27 07	6.6	G5	G8 II

additional stars is based on plate material obtained in 1965–66 with the same equipment, but since the exposure density was not so carefully controlled, the weight of the types assigned here is slightly lower than those of the first list. The results are given in Table I, in which the classifications are those assigned by Harlan by the same procedures as in Paper I.

REFERENCES

Harlan, E. A. 1969, *Astron. J.* **74**, 916; *Lick Obs. Bull.*, No. 605.

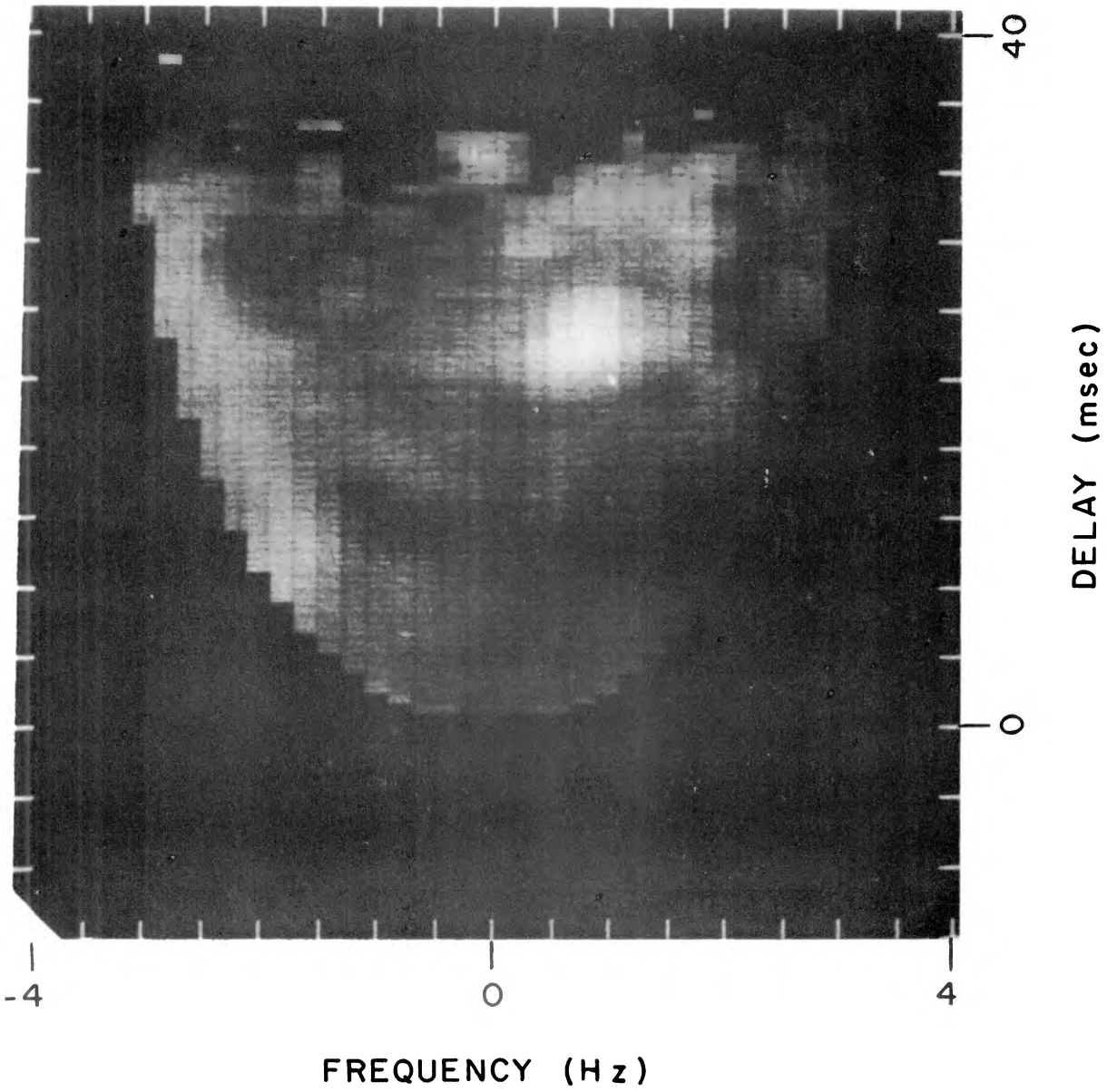


PLATE I (No. 1, Jurgens and Dyce). Delay-Doppler map of the ratio of observed power on 4 September 1967 to predicted power based on Eq. (14) using $\tau = 0.05$.

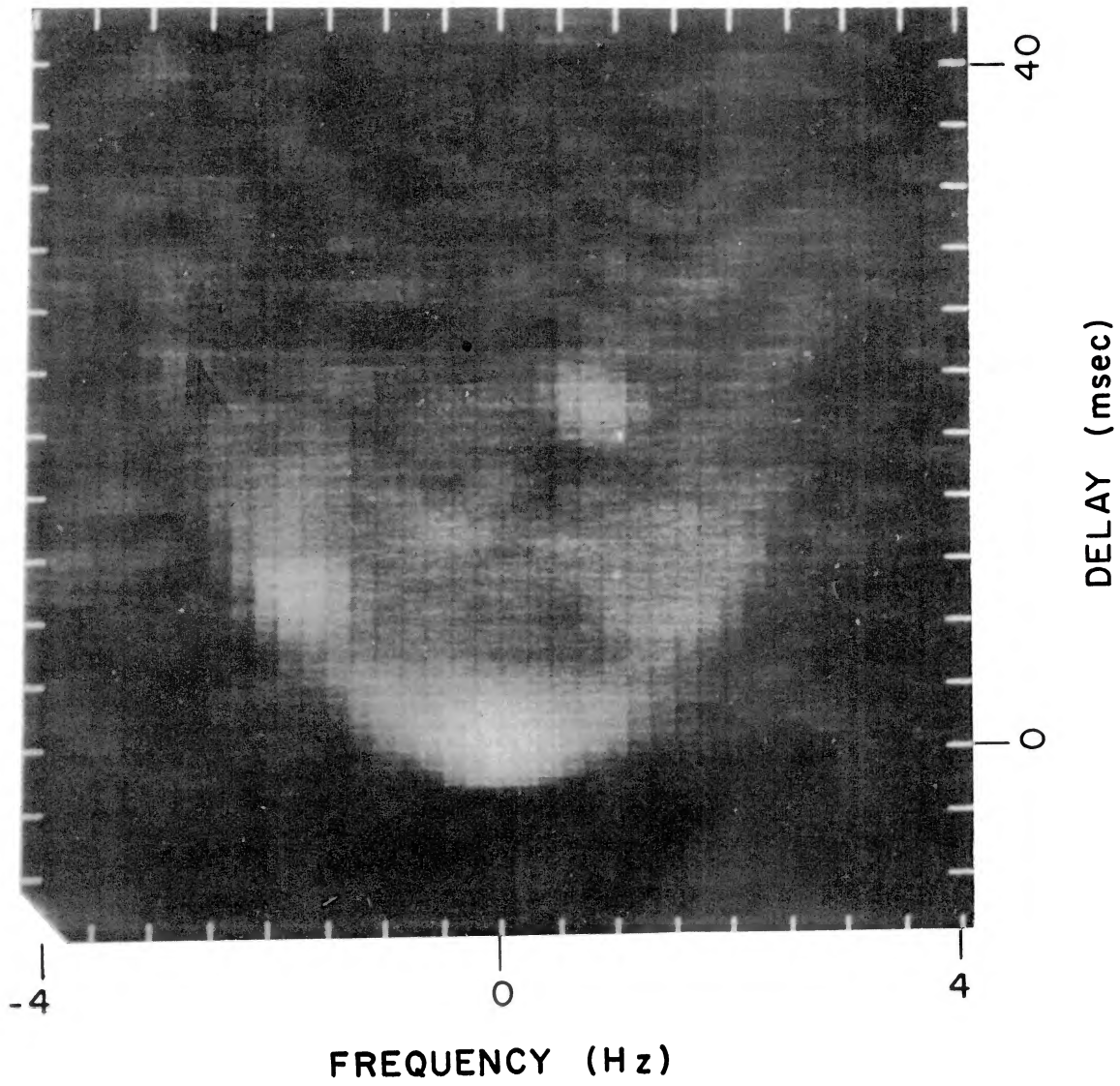


PLATE II (No. 2, Jurgens and Dyce). Delay-Doppler map of the cross-polarized power on 4 September 1967. Brightness is proportional to the $\log(P/P_{\min})$, where $P_{\min}$ was the smallest power measurement to be displayed.

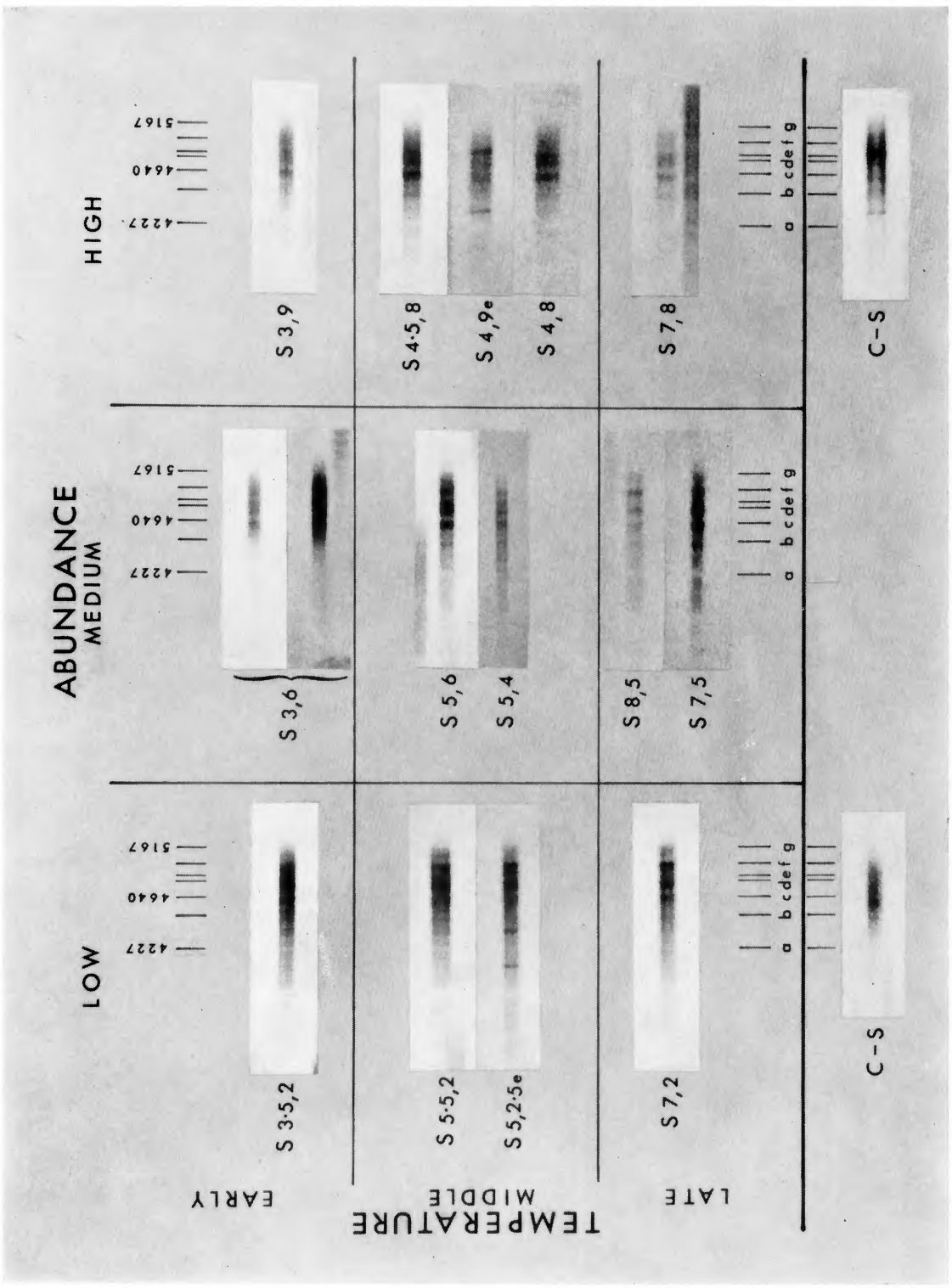


PLATE III (No. 1, Stephenson and Ross). Objective-prism spectrograms of S stars (and one weak carbon star) in the blue spectral region, original dispersion 580 Å/mm: The classifications are by Keenan (1954) except for the C–S stars, and the stars are identified in Table II. Lettered spectral features are identified in Table I.

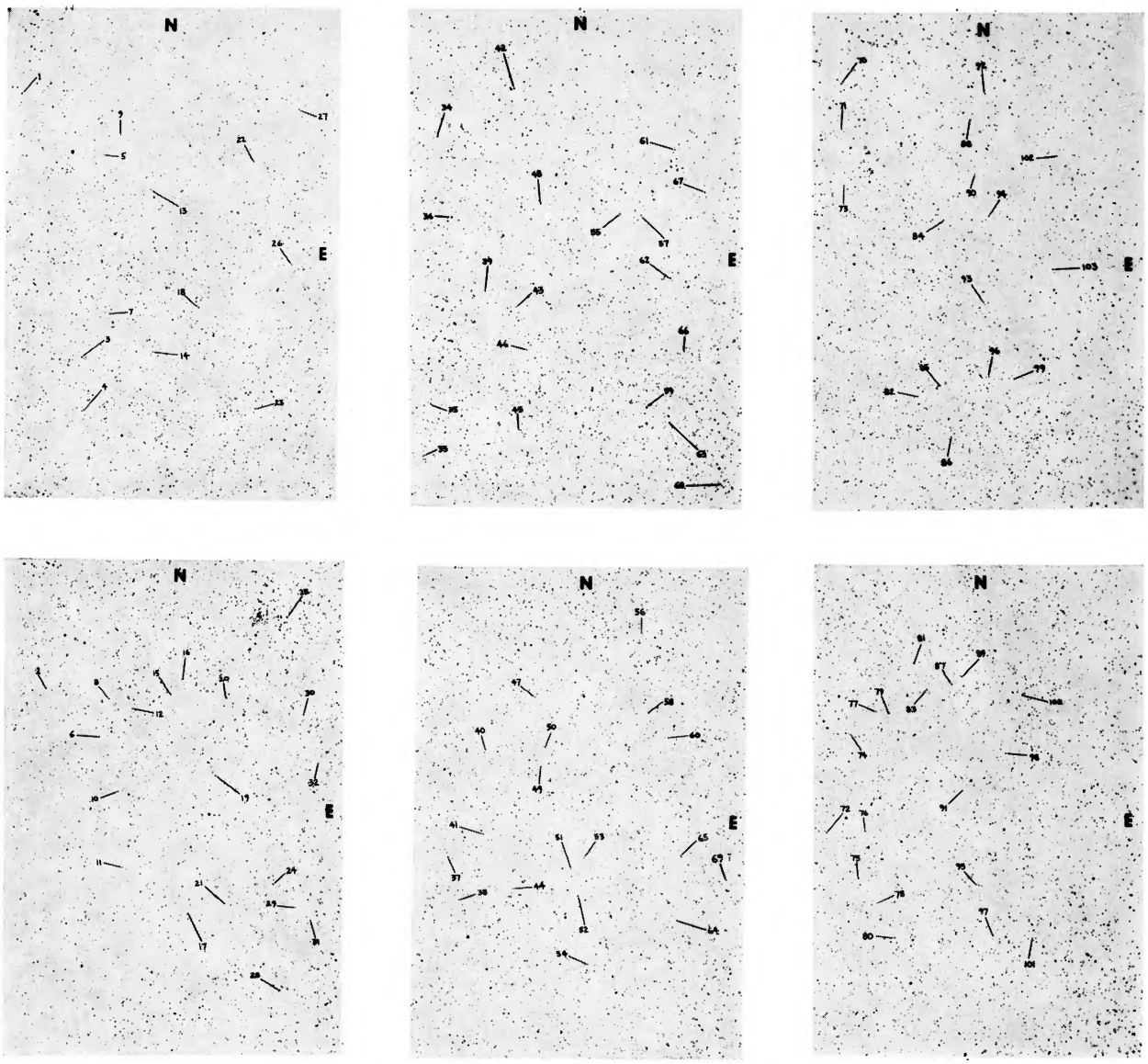


PLATE IV (No. 1, Wooden). Identification charts for the region LF 11: The scale on each of the small charts is 125 arc sec/mm. The center of the region is R.A. 6^h52^m5, Dec. $+00°51'$ (1950).

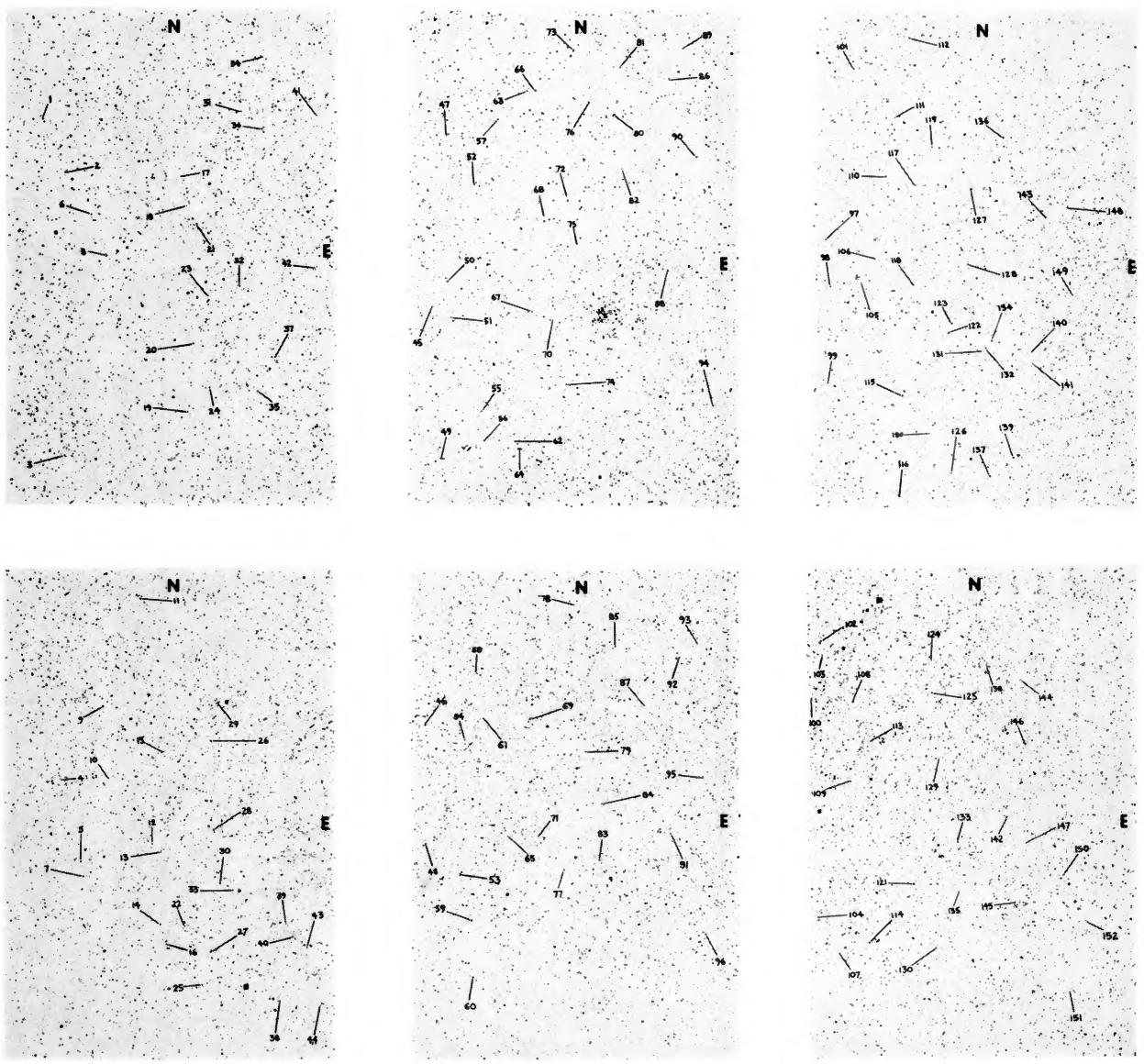


PLATE V (No. 2, Wooden). Identification charts for the region LF 12: The scale on each of the small charts is 125 arc sec/mm. The center of the region is R.A. 7^h41^m5, Dec. $-24°41'$ (1950).

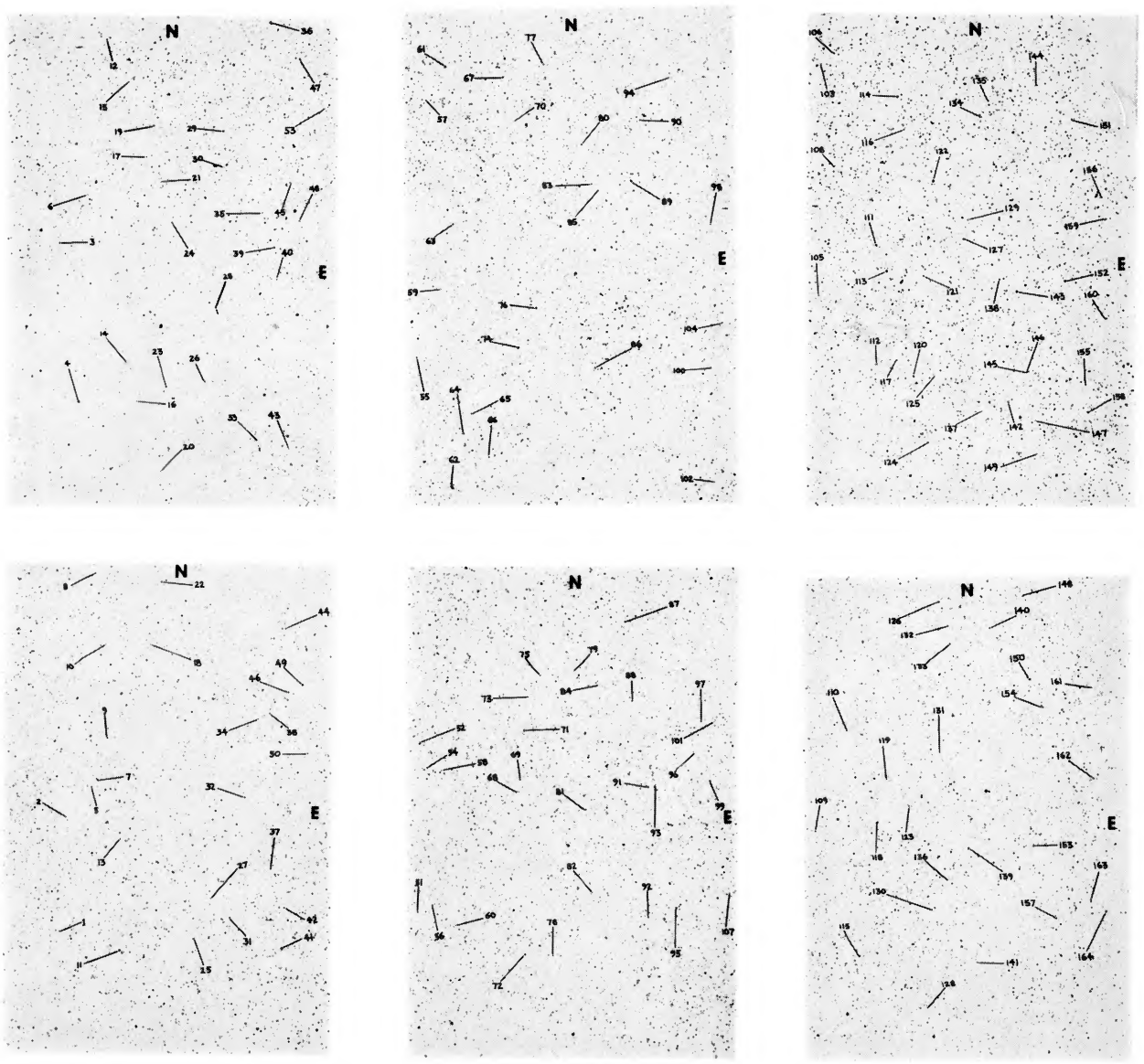


PLATE VI (No. 3, Wooden). Identification charts for the region LF 13: The scale on each of the small charts is 125 arc sec/mm. The center of the region is R.A. $10^{h}19^{m}0$, Dec. $-52°12'$ (1950).

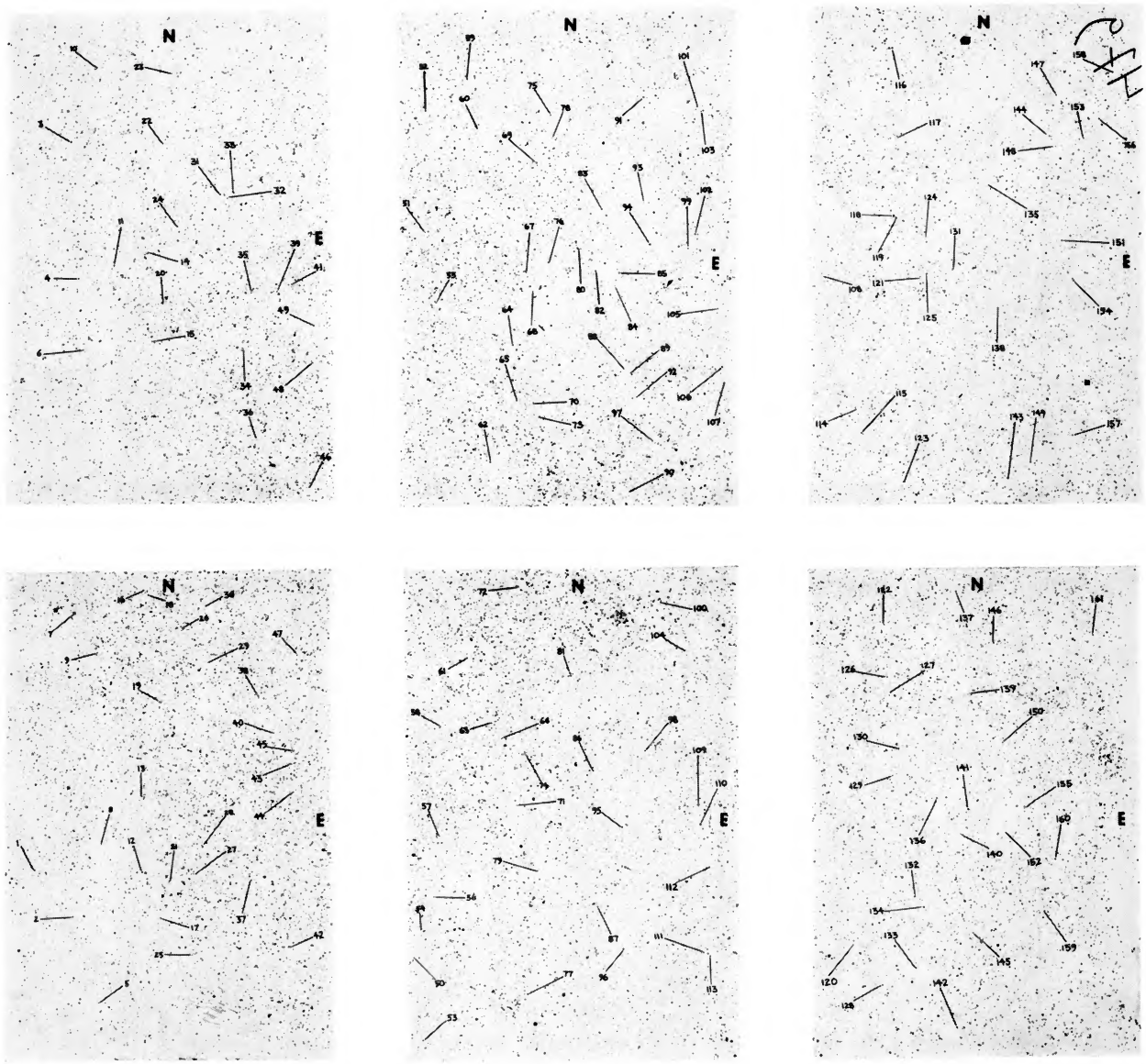
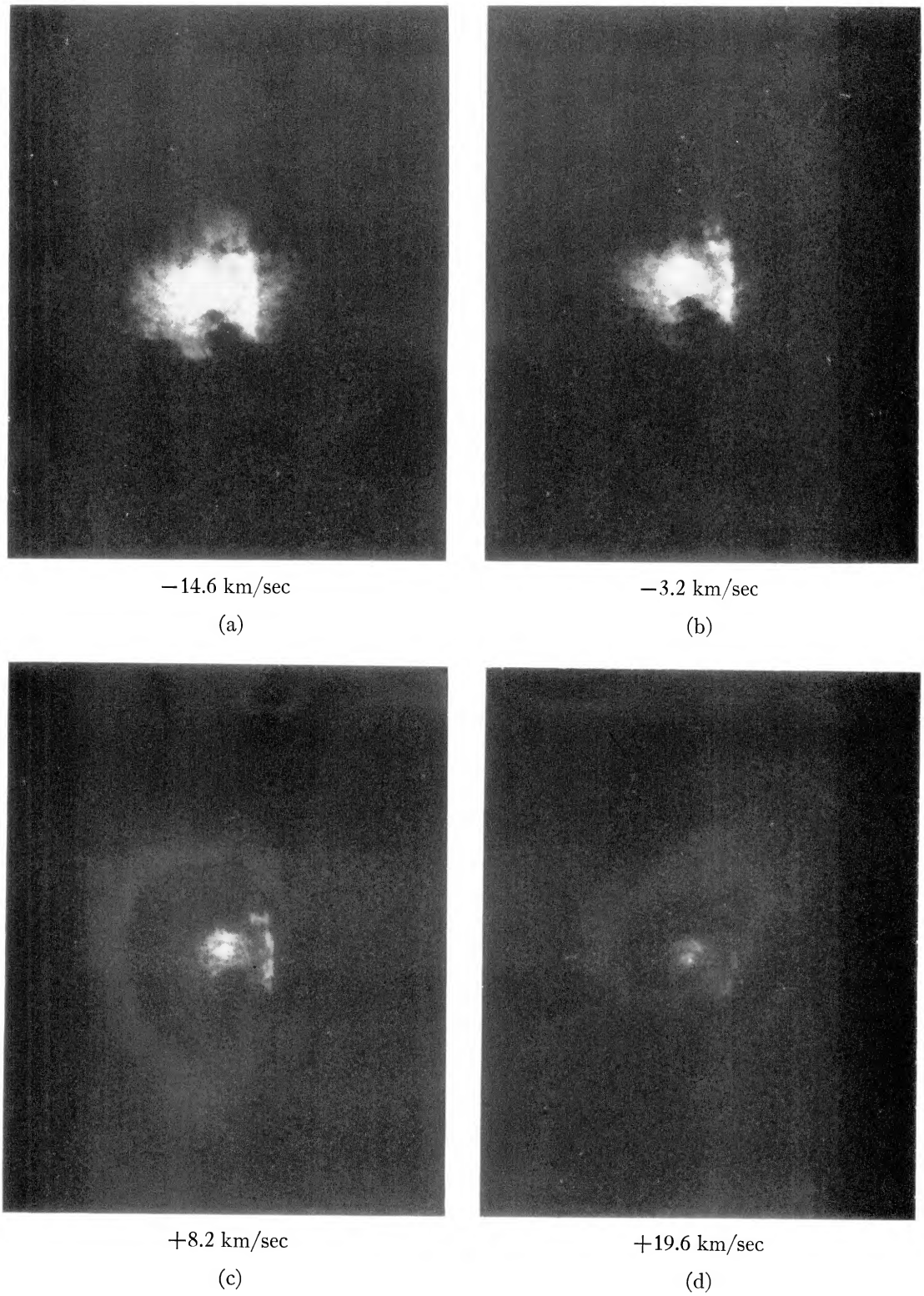


PLATE VII (No. 4, Wooden). Identification charts for the region LF 14: The scale on each of the small charts is 125 arc sec/mm. The center of the region is R.A. 12^h04^m3, Dec. $-60°44'$ (1950).



−14.6 km/sec (a)

−3.2 km/sec (b)

+8.2 km/sec (c)

+19.6 km/sec (d)

PLATE VIII (No. 1, Fisher and Williamson). Narrow-band filtergrams of the Orion Nebula in the wavelength region 6563–6583 Å.

+31.0 km/sec

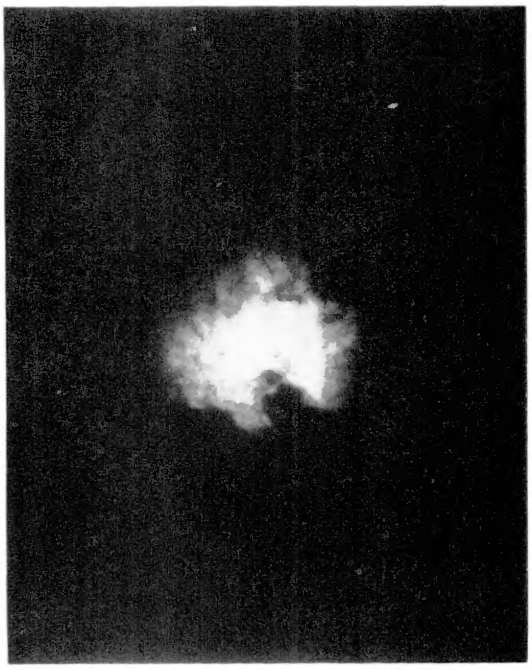
(e)

+42.4 km/sec

(f)

+53.0 km/sec

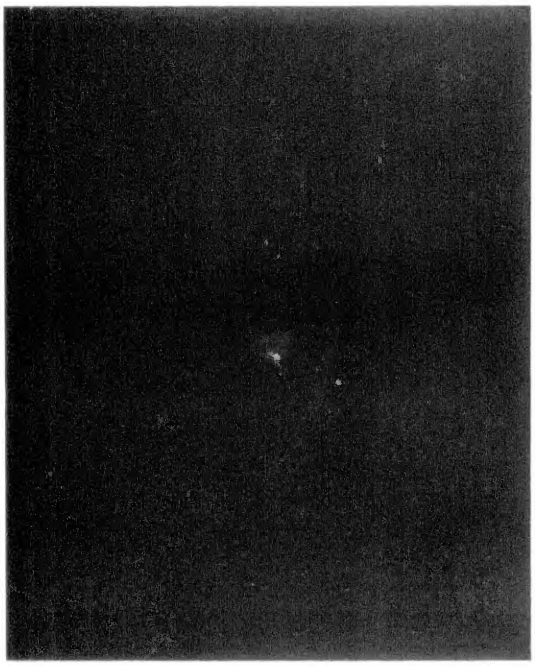
(g)



+65.2 km/sec

(h)

PLATE VIII (No. 1, Fisher and Williamson) (*continued*).

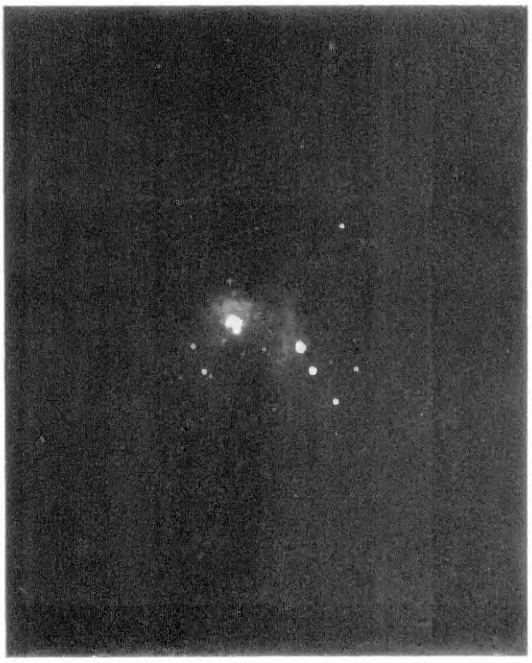


+88.0 km/sec

(i)

(j)

(k)



(l)

PLATE VIII (No. 1, Fisher and Williamson) (*continued*).

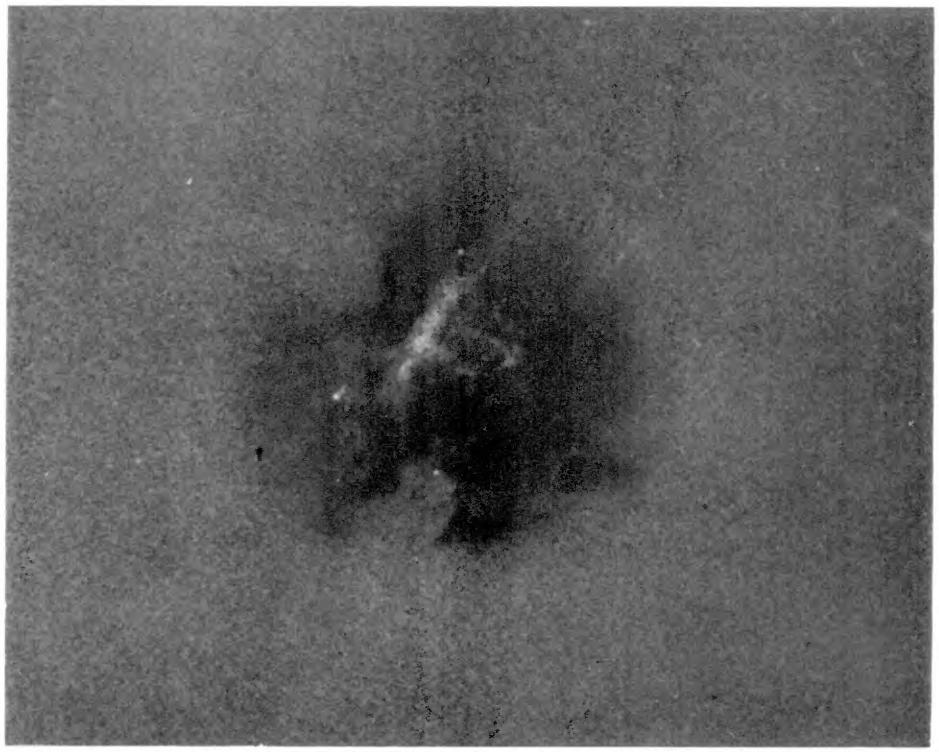


PLATE IX. (No 2, Fisher and Williamson). Plate VIII (b) and (f) E and W are exchanged relative to Plate VIII (a)–(l).

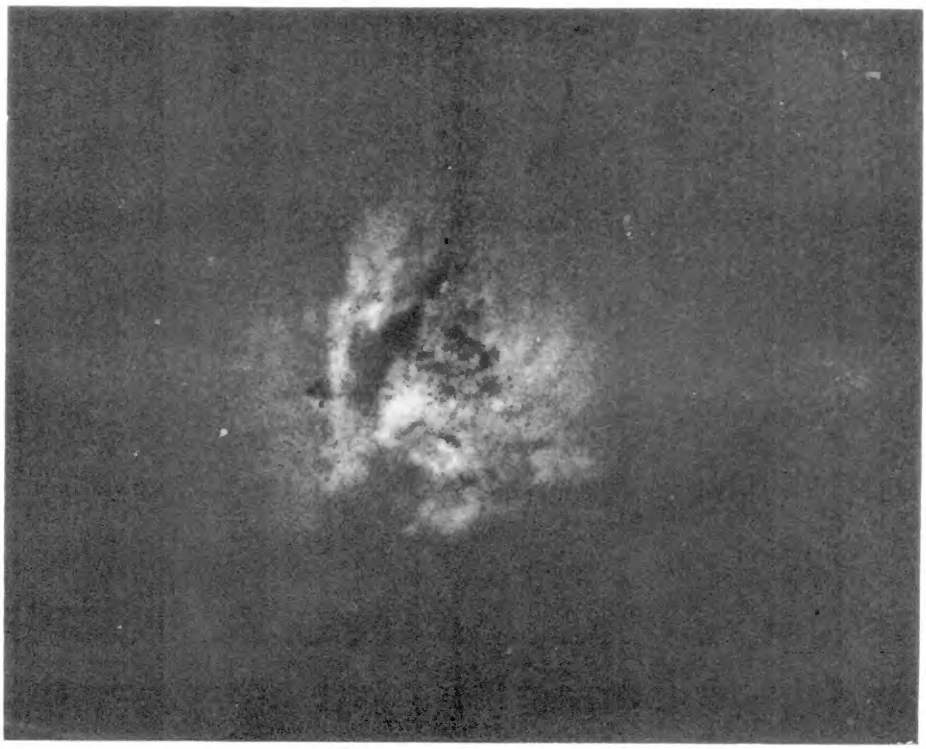


PLATE X. (No. 3, Fisher and Williamson). Plate VIII(f) and (b) E and W are exchanged relative to Plate VIII (a)–(l).