

CATALOGUE OF DARK NEBULAE

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ABSTRACT

A catalogue of dark nebulae has been compiled from a study of the red and blue prints of the National Geographic-Palomar Observatory Sky Atlas. The catalogue contains positions, both equatorial and galactic, for the centers of the clouds, values of their sizes in square degrees, and estimates of their opacities. Total areas obscured by clouds are tabulated as a function of latitude, and average sizes and distribution of the dark nebulae are given.

I. INTRODUCTION

During the past half-century many detailed studies of individual dark nebulae have been undertaken, usually based on star counts in the nebula itself and in neighboring clear fields. These studies yield estimates of the absorbing power and distance of the particular nebula studied. General surveys, however, of the distribution of dark nebulae have been undertaken by relatively few astronomers. To date, the most extensive survey is that of Lundmark and Melotte (1926), based on the Franklin-Adams charts. Their map lists fifteen hundred objects, many of which are to be found in the higher galactic latitudes. Barnard's (1927) *Catalogue of Dark Objects in the Sky* lists 369 nebulae identified by him from his many excellent photographs of the Milky Way. More recently J. Sh. Khavtassi (1960) has published an atlas of galactic dark nebulae based on the photographic atlases of Ross and Calvert (1934) and of Heyden (1952). Khavtassi's (1955) catalogue lists the dark nebulae along the galactic equator in the zone $-20 \leq b \leq +20$.

The National Geographic Society-Palomar Observatory Sky Survey provides a wealth of observational material for a detailed survey of dark nebulae. These photographs have the advantage of enabling the surveyor to cover the entire sky visible from Mount Palomar. In addition, the availability of photographs of each region, in both red and blue light, makes the detection and classification of the nebulae more accurate. Because of these advantages, a general survey of dark nebulae was undertaken, based on the Palomar Schmidt photographs, with the aim of compiling a complete list of dark objects visible on these prints.

II. PREPARATION OF DATA

Each pair of photographs of the 879 fields obtained with the 48-inch Schmidt of the Palomar Observatory was examined for the presence of a dark nebula. When a dark object was found, its outline was traced directly from the prints. Its area in square degrees was measured with the aid of a planimeter, and the co-ordinates of right ascension and declination were determined for the center of the cloud. Visual estimates of the opacity of each cloud, on a scale of 1 to 6, were made. These estimates were based on a comparison of the neighboring fields for the particular Palomar photograph on which the cloud appeared. Both the red and the blue prints were used in this comparison. The clouds just detectable on both prints, as evidenced by a slight decrease in the surface intensity of the general field, were designated opacity 1. The darkest clouds, of opacity

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† Operated by Associated Universities, Inc., under contract with the National Science Foundation.

6, were those within which the star density, on the average, amounted to 120 stars per square degree, down to the limiting magnitude of the red photograph. In addition to the minimum number of stars per square degree, the opacity 6 clouds are those which *appear* to be the darkest—many seem darker than the general background in the neighboring clear regions.

The areas of the sky which contain heavy obscuration usually exhibit clouds of several degrees of opacity. In the present survey such clouds are subdivided into areas of the same opacity on the scale used in this study. Thus a single cloud may consist of an area of opacity 3 covering several square degrees and contain within it smaller condensations of opacity 6 and areas expressed in hundredths of a square degree. In this catalogue each such area is listed separately. Figure 1 illustrates the manner in which the dark nebulae were sketched from the photographs. The numbers in each area indicate the corresponding estimated opacity.

The galactic co-ordinates, l^{II} and b^{II} , were determined for the center of each area listed in the catalogue.

When the survey of the photographs was completed, the regions containing dark nebulae were joined, and a drawing of all the objects in the catalogue was made, with shadings to correspond to the steps in opacity. This illustration is reproduced as Figure 2.

III. CATALOGUE OF DARK NEBULAE

Table 1 contains the dark nebulae identified and measured as described in Section II. The data are as follows: column 1: catalogue number, 2: longitude of the center of the cloud, 3: latitude of the center of the cloud, 4: right ascension of the center of the cloud, 5: declination of the center of the cloud, 6: area, in square degrees, of the cloud, 7: opacity of the cloud, and 8: identification.

As seen in Figure 1, many of the dark clouds are isolated objects and are not mixed in with the large complexes of the galactic plane itself. Whenever possible, such isolated clouds were identified and assigned a number. Therefore, when such a cloud has several sections of different opacity, each section is listed in the catalogue with the identification number assigned to the cloud. Entries with no identification number are those objects lying in the general obscuration of the Milky Way. Table 2 identifies the Barnard objects listed in this catalogue.

In order to facilitate the computation of the galactic co-ordinates and the statistical analysis of the clouds, each entry in Table 1 was entered on IBM punched cards.

IV. COMPLETENESS OF THE CATALOGUE

Table 1 contains all dark nebulae which are apparent by visual inspection of the Palomar-Schmidt photographs. Thus the range in declination is from $+90^\circ$ to -33° . As indicated in Section II, the cloud has to be visible on both the red and the blue photographs, in order to be recorded. It is therefore very probable that the more tenuous clouds which may be transparent in the red are not included in this survey. It is often difficult to detect a cloud which absorbs less than 0.75 mag.

Many of the small dark nebulae termed "globules," listed by Bok and Reilly (1947), are not included in this catalogue because they are apparent as dark objects projected against the bright background of an emission nebulosity. In general, no bright nebulae were included in this survey—only those objects which, on the basis of stellar density fluctuations, indicated the presence of absorption. In some instances it was very difficult to be certain that the density fluctuations of an emission nebula were actually caused by an absorbing cloud instead of simply by variations in the density of the gaseous cloud itself.

In the regions of fairly high star density—say in the belt between galactic latitudes of $\pm 5^\circ$ —there is little difficulty in detecting the presence of small dark objects. For



FIG. 1*a*.—Palomar print: $\alpha = 21^{\text{h}}35^{\text{m}}$, $\delta = +48^{\circ}$ (red). (Copyright National Geographic Society-Palomar Observatory Sky Survey.)

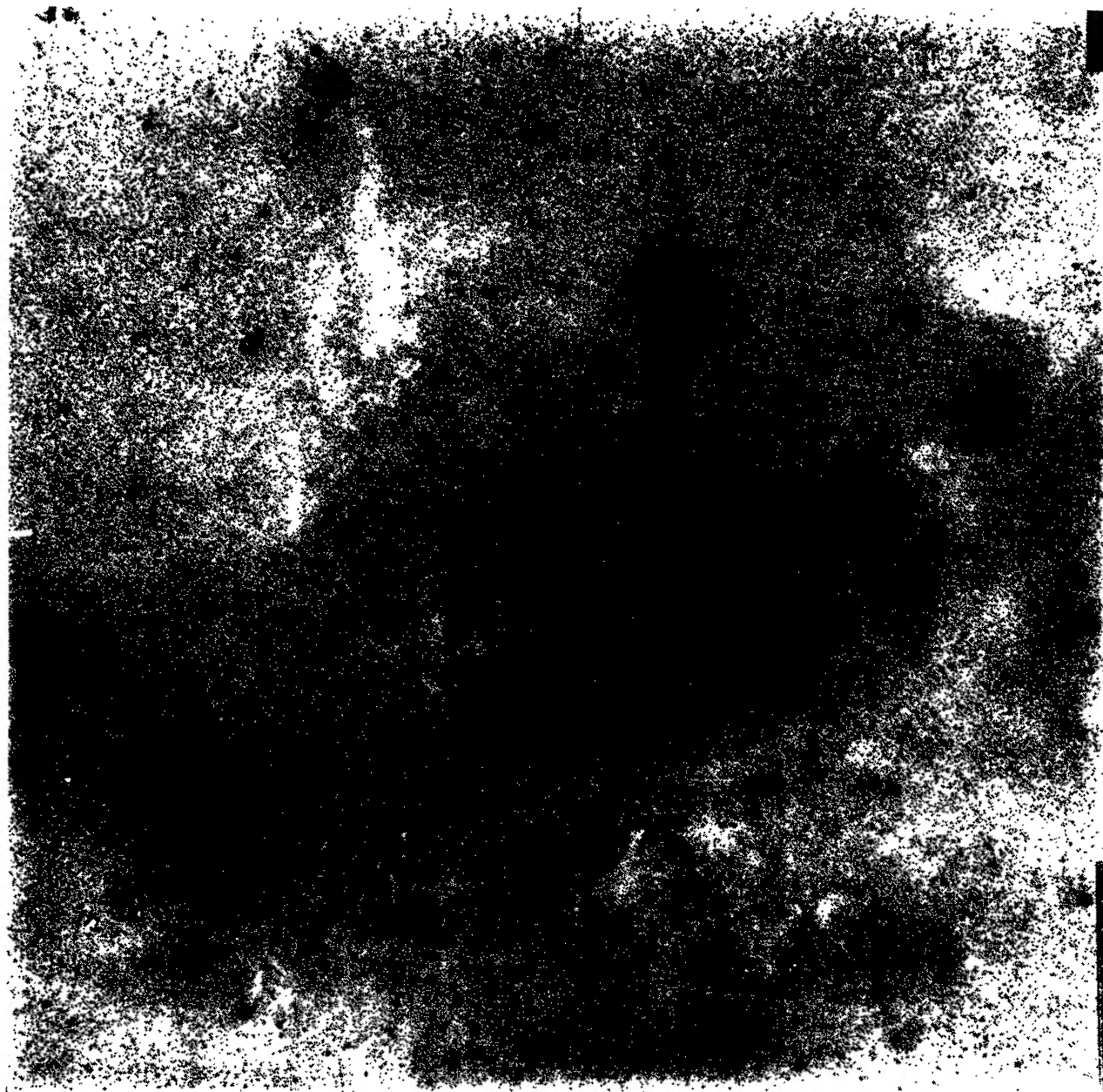


FIG. 1*b*.—Palomar print: $\alpha = 21^{\text{h}}35^{\text{m}}$, $\delta = +48^{\circ}$ (blue). (Copyright National Geographic Society—Palomar Observatory Sky Survey.)

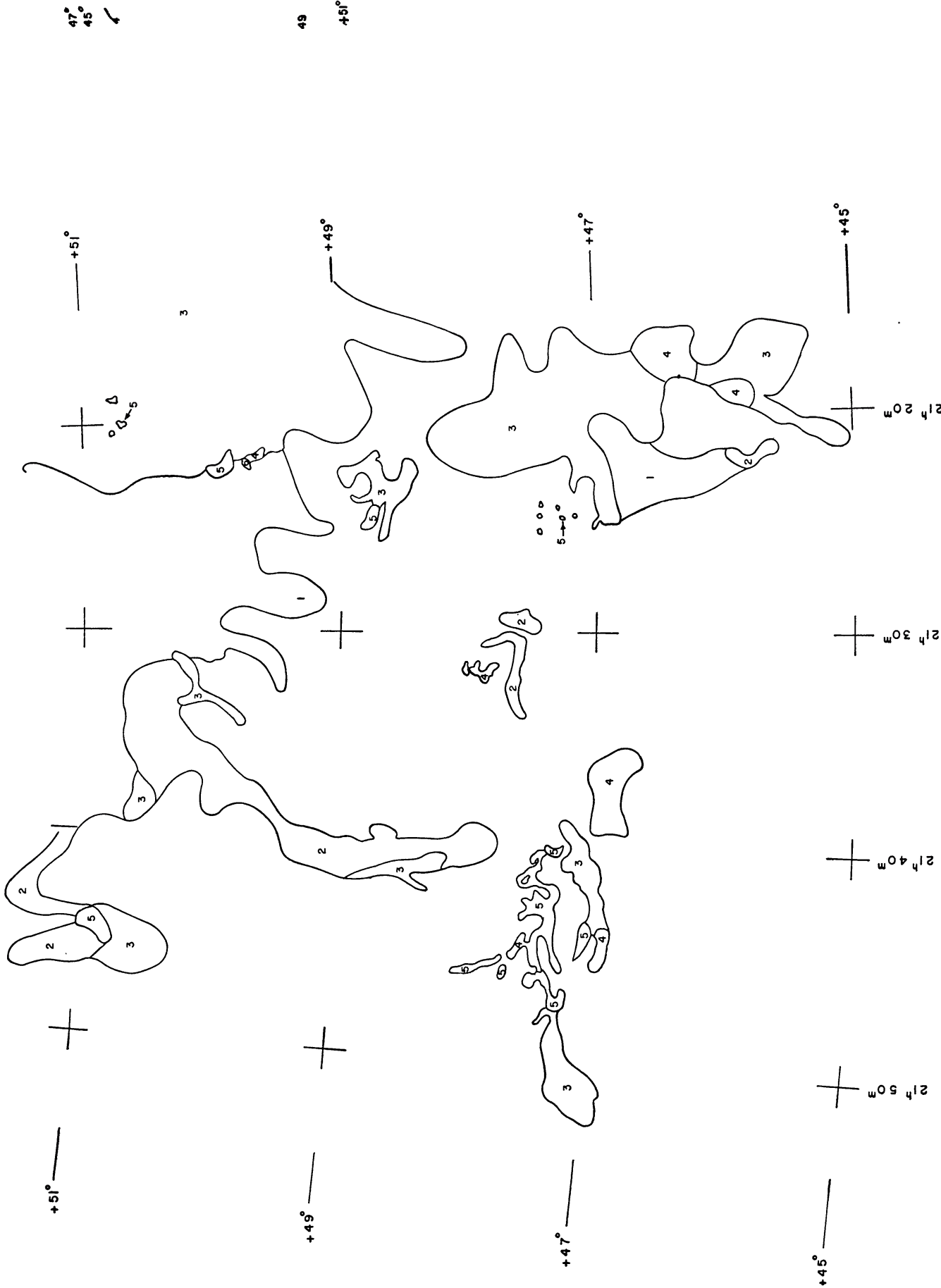


FIG. 1c.—Dark nebulae sketched from Palomar prints of Figs. 1a and 1b

TABLE I

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1	.01	22.01	16 26.0	-16 0	.054	3	49
2	.02	-5.13	18 4.0	-31 30	1.240	2	0
3	.03	-4.14	18 .0	-31 0	5.600	2	0
4	.04	12.00	16 59.5	-22 8	.004	5	27
5	.07	8.14	17 13.2	-24 22	.012	4	0
6	.09	10.18	17 6.0	-23 10	.052	3	25
7	.09	4.78	17 25.5	-26 15	.036	6	0
8	.14	16.77	16 43.5	-19 10	.084	4	44
9	.22	9.99	17 7.0	-23 10	.070	3	24
10	.23	-2.68	17 54.6	-30 6	.003	4	0
11	.24	10.54	17 5.1	-22 50	.012	6	0
12	.26	-2.77	17 55.0	-30 7	.003	4	0
13	.27	11.74	17 1.0	-22 6	.012	3	26
14	.27	5.85	17 22.0	-25 30	.020	4	0
15	.33	11.66	17 1.4	-22 6	.043	6	26
16	.34	8.39	17 13.0	-24 0	.120	3	0
17	.36	10.66	17 5.0	-22 40	.404	3	0
18	.36	10.37	17 6.0	-22 50	.010	4	0
19	.36	4.83	17 26.0	-26 0	.642	4	0
20	.43	10.56	17 5.5	-22 40	.047	4	0
21	.44	4.88	17 26.0	-25 54	.023	5	0
22	.49	16.88	16 44.0	-18 50	.280	3	43
23	.57	8.21	17 14.2	-23 55	.002	5	0
24	.57	8.13	17 14.5	-23 58	.004	5	0
25	.65	4.11	17 29.4	-26 9	.007	6	0
26	.68	-4.27	18 2.0	-30 30	.034	3	0
27	.69	22.82	16 25.0	-15 0	3.460	1	49
28	.74	7.82	17 16.0	-24 0	2.220	2	0
29	.74	-4.63	18 3.6	-30 38	.030	3	0
30	.77	9.53	17 10.0	-23 0	.215	1	24
31	.80	16.22	16 47.0	-19 0	.022	6	43
32	.84	10.14	17 8.0	-22 35	.111	4	0
33	.89	18.83	16 38.5	-17 20	.312	2	46
34	.96	.18	17 45.0	-28 0	25.000	3	0
35	.98	-1.92	17 53.3	-29 4	.020	4	0
36	1.00	5.36	17 25.6	-25 10	.004	5	0
37	1.01	7.73	17 17.0	-23 50	.014	3	0
38	1.02	10.18	17 8.3	-22 25	.008	5	0
39	1.05	10.12	17 8.6	-22 26	.017	5	0
40	1.06	-2.05	17 54.0	-29 4	.029	4	0
41	1.12	-4.02	18 2.0	-30 0	.009	3	0
42	1.13	4.26	17 30.0	-25 40	1.450	4	0
43	1.14	21.12	16 31.6	-15 44	.070	6	47
44	1.15	7.83	17 17.0	-23 40	.036	1	0
45	1.16	4.82	17 28.0	-25 20	.348	4	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
46	1.18	9.81	17 10.0	-22 30	.348	3	0
47	1.22	16.52	16 47.0	-18 30	.280	3	46
48	1.23	-2.20	17 55.0	-29 0	6.140	1	0
49	1.23	-3.21	17 59.0	-29 30	1.040	3	0
50	1.24	6.51	17 22.0	-24 20	.018	4	0
51	1.31	10.01	17 9.6	-22 17	.034	4	0
52	1.32	4.62	17 29.1	-25 19	.006	6	0
53	1.38	7.13	17 20.1	-23 52	.001	6	0
54	1.39	7.02	17 20.5	-23 55	.002	4	0
55	1.40	7.17	17 20.0	-23 50	.003	6	0
56	1.45	9.44	17 12.0	-22 30	.462	3	0
57	1.47	7.33	17 19.6	-23 41	.003	6	0
58	1.47	5.18	17 27.4	-24 53	.004	5	0
59	1.50	7.90	17 17.6	-23 20	.007	3	0
60	1.53	10.34	17 9.0	-21 55	.035	4	23
61	1.58	5.01	17 28.3	-24 53	.008	5	0
62	1.63	16.82	16 47.0	-18 0	1.740	1	46
63	1.63	16.82	16 47.0	-18 0	.037	6	46
64	1.71	2.76	17 37.0	-26 0	.995	4	0
65	1.73	10.20	17 10.0	-21 50	.088	6	22
66	1.81	7.16	17 21.0	-23 30	.009	6	0
67	1.87	10.01	17 11.0	-21 50	.088	5	0
68	1.88	-4.07	18 3.9	-29 22	.006	3	0
69	1.90	6.12	17 25.0	-24 0	2.190	3	0
70	1.94	6.97	17 22.0	-23 30	.010	4	0
71	2.01	10.10	17 11.0	-21 40	.142	4	22
72	2.12	8.49	17 17.0	-22 30	.308	2	0
73	2.14	5.46	17 28.0	-24 10	.278	2	0
74	2.17	3.58	17 35.0	-25 10	.038	6	0
75	2.17	-4.18	18 5.0	-29 10	.068	1	0
76	2.19	3.86	17 34.0	-25 0	.531	3	0
77	2.23	8.85	17 16.0	-22 12	.005	2	0
78	2.26	-2.36	17 58.0	-28 11	.001	3	0
79	2.35	10.06	17 12.0	-21 25	.300	4	0
80	2.36	3.44	17 36.0	-25 5	.005	5	0
81	2.38	7.27	17 22.0	-22 58	.009	5	0
82	2.42	1.61	17 43.0	-26 0	2.260	2	0
83	2.45	22.11	16 31.5	-14 10	.056	5	64
84	2.49	4.33	17 33.0	-24 30	.328	4	0
85	2.51	7.08	17 23.0	-22 58	.036	4	0
86	2.53	8.48	17 18.0	-22 10	.063	2	0
87	2.56	9.18	17 15.6	-21 45	.001	5	0
88	2.60	8.67	17 17.5	-22 0	.027	2	0
89	2.63	9.25	17 15.5	-21 39	.005	5	0
90	2.63	3.48	17 36.5	-24 50	.036	5	0

TABLE I (CONTINUED)

NO.	L(11)	B(11)	RA	DEC	AREA	OPACITY	ID
91	2.65	7.87	17 20.5	-22 25	.016	4	0
92	2.68	9.15	17 16.0	-21 40	.005	5	0
93	2.74	-2.49	17 59.6	-27 50	.007	5	0
94	2.77	8.93	17 17.0	-21 43	.041	2	0
95	2.84	8.98	17 17.0	-21 38	.010	5	0
96	2.90	-3.78	18 5.0	-28 20	.030	1	0
97	2.94	-3.55	18 4.2	-28 11	.011	3	0
98	2.96	22.02	16 33.0	-13 51	.011	4	63
99	2.96	9.34	17 16.0	-21 20	.090	3	0
100	2.97	10.20	17 13.0	-20 50	.075	6	0
101	2.98	8.57	17 18.8	-21 45	.002	5	0
102	3.00	8.38	17 19.5	-21 50	.035	6	0
103	3.01	8.67	17 18.5	-21 40	.009	3	0
104	3.04	10.25	17 13.0	-20 45	.019	6	40
105	3.06	21.90	16 33.6	-13 51	.001	5	65
106	3.10	21.84	16 33.9	-13 51	.001	5	66
107	3.11	7.48	17 23.0	-22 15	.023	5	0
108	3.11	-4.16	18 7.0	-28 20	.003	6	0
109	3.21	3.97	17 36.0	-24 5	.007	5	0
110	3.31	18.02	16 47.0	-16 0	.354	3	61
111	3.31	10.66	17 12.2	-20 18	.007	6	41
112	3.33	7.90	17 22.0	-21 50	.034	5	0
113	3.36	4.20	17 35.5	-23 50	.041	2	0
114	3.40	3.83	17 37.0	-24 0	.496	2	0
115	3.42	16.91	16 51.0	-16 35	.142	3	46
116	3.45	-3.06	18 3.4	-27 30	.002	3	0
117	3.47	8.00	17 22.0	-21 40	.172	2	0
118	3.50	16.66	16 52.0	-16 40	.054	4	46
119	3.51	-2.16	18 .0	-27 0	.342	2	0
120	3.51	-3.00	18 3.3	-27 25	.010	3	0
121	3.54	21.21	16 37.0	-13 55	.017	5	62
122	3.54	16.61	16 52.3	-16 40	.020	6	46
123	3.64	-3.23	18 4.5	-27 25	.002	4	0
124	3.72	-4.58	18 10.0	-28 0	4.320	2	0
125	3.75	5.14	17 33.0	-23 0	.975	3	0
126	3.77	3.25	17 40.0	-24 0	.361	1	0
127	3.79	-3.28	18 5.0	-27 19	.007	4	0
128	3.82	6.56	17 28.0	-22 10	.810	2	0
129	3.86	16.89	16 52.1	-16 15	.009	6	60
130	3.86	2.77	17 42.0	-24 10	.296	2	0
131	3.89	8.27	17 22.0	-21 10	.362	3	0
132	3.92	16.96	16 52.0	-16 10	.052	4	60
133	3.93	-.88	17 56.0	-26 0	.117	4	0
134	3.98	35.94	15 51.0	-4 30	.220	5	85
135	3.98	-1.63	17 59.0	-26 20	.008	4	0

TABLE I (CONTINUED)

NO.	L(11)	B(11)	RA	DEC	AREA	OPACITY	ID
136	3.99	7.22	17 26.0	-21 40	.151	1	0
137	4.03	18.23	16 48.0	-15 20	.896	4	61
138	4.04	8.65	17 21.0	-20 50	1.030	1	0
139	4.06	10.70	17 13.8	-19 40	.115	3	42
140	4.10	.78	17 50.0	-25 0	1.010	2	0
141	4.17	18.33	16 48.0	-15 10	.077	5	61
142	4.19	3.51	17 40.0	-23 30	1.480	3	0
143	4.28	-3.51	18 7.0	-27 0	.500	3	0
144	4.31	4.26	17 37.5	-23 0	.029	4	0
145	4.33	23.14	16 32.5	-12 10	.145	1	68
146	4.35	16.81	16 53.5	-15 55	.066	5	61
147	4.35	-1.94	18 1.0	-26 10	.047	4	0
148	4.42	19.83	16 43.6	-14 5	.012	5	61
149	4.43	8.07	17 24.0	-20 50	.518	3	0
150	4.56	.00	17 54.0	-25 0	13.550	3	0
151	4.57	-2.33	18 3.0	-26 10	.398	2	0
152	4.58	18.92	16 47.0	-14 30	1.040	3	61
153	4.60	4.58	17 37.0	-22 35	.511	3	0
154	4.63	4.06	17 39.0	-22 50	.497	1	0
155	4.64	5.15	17 35.0	-22 15	1.610	2	0
156	4.65	22.75	16 34.5	-12 10	.127	1	67
157	4.68	-3.03	18 6.0	-26 25	.008	4	0
158	4.71	19.60	16 45.0	-14 0	.056	6	61
159	4.71	2.35	17 45.5	-23 40	.071	1	0
160	4.72	3.30	17 42.0	-23 10	.054	2	0
161	4.72	1.69	17 48.0	-24 0	.117	2	0
162	4.76	19.25	16 46.3	-14 10	.124	6	61
163	4.80	19.06	16 47.0	-14 15	.032	2	61
164	4.86	5.57	17 34.0	-21 50	.063	3	0
165	4.93	-4.69	18 13.0	-27 0	.054	1	0
166	4.99	-1.05	17 59.0	-25 10	.008	5	0
167	5.00	-2.08	18 3.0	-25 40	.144	1	0
168	5.06	6.80	17 30.0	-21 0	1.050	3	0
169	5.09	36.97	15 50.0	-3 10	.860	4	85
170	5.10	2.99	17 44.0	-23 0	.479	1	0
171	5.10	-1.24	18 .0	-25 10	.316	2	0
172	5.20	5.51	17 35.0	-21 35	.026	4	0
173	5.25	11.36	17 14.3	-18 20	.020	6	0
174	5.25	5.27	17 36.0	-21 40	.020	3	0
175	5.29	11.07	17 15.4	-18 28	.016	5	0
176	5.30	-2.95	18 7.0	-25 50	.308	2	0
177	5.31	9.77	17 20.0	-19 10	.034	4	0
178	5.36	7.27	17 29.0	-20 30	.672	4	0
179	5.37	9.53	17 21.0	-19 15	.047	1	0
180	5.46	-1.04	18 .0	-24 45	2.760	1	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
181	5.48	-8.15	18 28.0	-28 7	.008	3	0
182	5.49	7.08	17 30.0	-20 30	1.110	2	0
183	5.50	36.81	15 51.3	-3 0	.240	5	85
184	5.50	36.81	15 51.3	-3 0	.240	5	85
185	5.57	7.41	17 29.0	-20 15	.108	5	0
186	5.59	4.11	17 41.0	-22 0	.300	1	0
187	5.59	-3.30	18 9.0	-25 45	.694	2	0
188	5.67	1.73	17 50.0	-23 10	.298	4	0
189	5.75	4.48	17 40.0	-21 40	.596	1	0
190	5.79	20.19	16 45.5	-12 50	.022	4	59
191	5.85	20.39	16 45.0	-12 40	.158	5	59
192	5.87	7.88	17 28.0	-19 45	.278	5	0
193	5.87	6.48	17 33.0	-20 30	.104	4	0
194	5.92	-3.38	18 10.0	-25 30	.316	3	0
195	6.01	-4.05	18 12.8	-25 45	.003	3	0
196	6.03	-2.54	18 7.0	-25 0	.002	5	0
197	6.05	-3.30	18 10.0	-25 21	.014	2	0
198	6.08	-3.42	18 10.5	-25 23	.010	4	0
199	6.17	-3.76	18 12.0	-25 28	.001	5	0
200	6.18	-2.46	18 7.0	-24 50	1.050	2	0
201	6.23	-5.00	18 17.0	-26 0	3.450	2	0
202	6.33	6.08	17 35.5	-20 20	.122	2	0
203	6.34	-3.48	18 11.3	-25 11	.004	4	0
204	6.43	20.78	16 45.0	-12 0	.167	6	59
205	6.49	-6.38	18 23.0	-26 25	.026	2	0
206	6.50	8.28	17 28.0	-19 0	3.560	3	0
207	6.56	4.43	17 42.0	-21 0	2.000	3	0
208	6.65	-2.97	18 10.0	-24 40	.032	1	0
209	6.69	6.44	17 35.0	-19 50	.013	4	0
210	6.69	-1.94	18 6.1	-24 8	.001	5	0
211	6.70	-2.03	18 6.5	-24 10	.008	5	0
212	6.72	-2.41	18 8.0	-24 20	.093	5	0
213	6.78	-1.86	18 6.0	-24 1	.001	5	0
214	6.81	-1.84	18 6.0	-23 59	.001	5	0
215	6.83	1.07	17 55.0	-22 30	8.830	2	0
216	6.86	6.55	17 35.0	-19 38	.011	6	0
217	6.93	-6.67	18 25.0	-26 10	.009	2	0
218	6.94	1.94	17 52.0	-21 58	.025	3	0
219	6.95	6.19	17 36.5	-19 45	.084	6	0
220	6.98	8.59	17 28.0	-18 26	.007	4	0
221	7.01	-2.25	18 8.0	-24 0	1.620	3	0
222	7.16	5.85	17 38.2	-19 45	.001	6	0
223	7.17	5.97	17 37.8	-19 41	.001	6	0
224	7.17	-1.51	18 5.5	-23 30	.015	5	0
225	7.19	8.15	17 30.0	-18 30	.088	2	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
226	7.19	6.03	17 37.6	-19 38	.003	6	0
227	7.19	-1.89	18 7.0	-23 40	.050	5	0
228	7.24	6.01	17 37.8	-19 36	.002	6	0
229	7.26	6.19	17 37.2	-19 29	.002	6	0
230	7.26	-1.59	18 6.0	-23 28	.003	5	0
231	7.27	6.14	17 37.4	-19 30	.001	6	0
232	7.35	-.48	18 2.0	-22 50	.086	1	0
233	7.43	4.94	17 42.1	-20 0	.001	6	0
234	7.45	21.16	16 46.0	-11 0	1.410	3	59
235	7.46	4.57	17 43.5	-20 10	.038	6	0
236	7.46	-5.88	18 23.0	-25 20	.029	3	0
237	7.47	.64	17 58.0	-22 10	.524	1	0
238	7.49	25.12	16 33.0	-8 40	.054	3	87
239	7.58	-7.67	18 30.3	-26 3	.018	6	0
240	7.62	-8.58	18 34.0	-26 25	.022	3	0
241	7.65	-2.03	18 8.5	-23 20	.021	4	0
242	7.65	-2.19	18 9.1	-23 25	.010	4	0
243	7.71	-2.13	18 9.0	-23 20	.524	3	0
244	7.76	20.46	16 49.0	-11 10	.086	4	59
245	7.83	-6.96	18 28.0	-25 30	.440	1	0
246	7.85	5.22	17 42.0	-19 30	10.000	3	0
247	7.92	-5.13	18 21.0	-24 35	.034	1	0
248	8.05	-8.12	18 33.0	-25 50	.052	1	0
249	8.21	-1.32	18 7.0	-22 30	.190	1	0
250	8.21	-4.80	18 20.3	-24 10	.002	3	0
251	8.22	-6.26	18 26.0	-24 50	.185	1	0
252	8.26	-4.72	18 20.1	-24 5	.004	3	0
253	8.30	-9.00	18 37.0	-26 0	.689	1	0
254	8.32	4.13	17 47.0	-19 40	.235	2	0
255	8.33	22.03	16 45.0	-9 50	.032	6	59
256	8.33	-2.57	18 12.0	-23 0	.377	2	0
257	8.40	-1.48	18 8.0	-22 25	.075	2	0
258	8.42	5.57	17 42.0	-18 50	.180	2	0
259	8.53	-5.07	18 22.0	-24 1	.023	3	0
260	8.62	22.22	16 45.0	-9 30	.074	6	59
261	8.71	8.26	17 33.0	-17 10	.268	2	0
262	8.71	.82	18 .0	-21 0	.009	6	0
263	8.80	-7.75	18 33.0	-25 0	2.430	2	0
264	8.91	4.76	17 46.0	-18 50	.142	2	0
265	9.00	-2.73	18 14.0	-22 30	.330	2	0
266	9.03	-6.35	18 28.0	-24 10	.418	2	0
267	9.12	-4.37	18 20.5	-23 10	.005	2	0
268	9.12	-4.37	18 20.5	-23 10	.005	4	0
269	9.17	-5.90	18 26.5	-23 50	.041	2	0
270	9.34	5.02	17 46.0	-18 20	.450	2	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
271	9.34	-0.95	18 8.0	-21 20	.016	3	0
272	9.40	-2.78	18 15.0	-22 10	.070	3	0
273	9.43	6.32	17 41.5	-17 35	.007	3	0
274	9.47	-.43	18 6.3	-20 58	.020	4	0
275	9.57	-1.09	18 9.0	-21 12	.001	3	0
276	9.58	6.55	17 41.0	-17 20	.043	3	0
277	9.65	6.18	17 42.5	-17 28	.005	3	0
278	9.68	19.61	16 56.0	-10 10	1.150	3	59
279	9.69	4.12	17 50.0	-18 30	.462	2	0
280	9.82	19.71	16 56.0	-10 0	.251	4	59
281	9.82	.92	18 2.0	-20 0	1.280	2	0
282	9.86	-1.20	18 10.0	-21 0	.052	4	0
283	10.09	8.27	17 36.0	-16 0	4.780	2	0
284	10.15	-7.07	18 33.0	-23 30	.199	1	0
285	10.19	3.59	17 53.0	-18 20	.214	4	0
286	10.19	1.94	17 59.0	-19 10	.115	2	0
287	10.29	12.97	17 20.0	-13 20	.158	1	58
288	10.29	3.10	17 55.0	-18 30	.050	5	0
289	10.36	2.31	17 58.0	-18 50	.027	2	0
290	10.60	7.45	17 40.0	-16 0	1.320	1	0
291	10.65	-2.63	18 17.0	-21 0	.274	4	0
292	10.70	3.39	17 54.8	-18 0	.050	4	0
293	10.72	3.35	17 55.0	-18 0	2.020	1	0
294	10.77	-5.72	18 29.0	-22 20	.002	3	0
295	10.81	-5.91	18 29.8	-22 23	.002	3	0
296	10.83	-5.82	18 29.5	-22 20	.002	3	38
297	10.83	-9.55	18 44.0	-24 0	.176	1	320
298	10.84	3.14	17 56.0	-18 0	.106	3	0
299	10.85	19.76	16 58.0	-9 10	.208	2	59
300	10.92	-10.51	18 48.0	-24 20	.370	1	32
301	10.95	-6.51	18 32.4	-22 32	.018	2	36
302	10.96	3.60	17 54.6	-17 40	.040	5	0
303	11.03	.79	18 5.0	-19 0	18.000	3	0
304	11.24	-6.26	18 32.0	-22 10	.020	2	35
305	11.26	5.88	17 47.0	-16 15	4.170	2	0
306	11.30	-3.13	18 20.2	-20 40	.025	4	0
307	11.31	1.42	18 3.3	-18 27	.001	6	0
308	11.39	1.32	18 3.8	-18 26	.001	6	0
309	11.41	-5.13	18 28.0	-21 30	.014	4	0
310	11.47	1.31	18 4.0	-18 22	.004	6	0
311	11.53	-9.85	18 46.5	-23 30	.224	2	32
312	11.60	5.80	17 48.0	-16 0	2.610	1	0
313	11.60	-5.68	18 30.5	-21 35	.018	3	37
314	11.64	-2.36	18 18.0	-20 0	3.600	3	0
315	11.74	-1.50	18 15.0	-19 30	6.000	2	0

TABLE 1 (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
316	11.80	-8.49	18 41.7	-22 40	.108	1	33
317	11.89	20.40	16 58.0	-8 0	1.600	4	88
318	11.97	3.52	17 57.0	-16 50	.009	4	0
319	12.21	3.11	17 59.0	-16 50	.043	1	0
320	12.26	3.69	17 57.0	-16 30	1.420	2	0
321	12.35	-9.66	18 47.3	-22 42	.025	3	32
322	12.41	-1.68	18 17.0	-19 0	1.290	2	0
323	12.61	-.38	18 12.6	-18 12	.016	6	0
324	12.77	14.78	17 19.0	-10 20	5.800	1	0
325	12.83	5.69	17 51.0	-15 0	.900	3	0
326	12.85	6.82	17 47.0	-14 25	.030	4	0
327	12.87	-.62	18 14.0	-18 5	.011	4	0
328	12.93	-.58	18 14.0	-18 1	.001	6	0
329	12.95	-6.83	18 37.5	-20 55	.052	2	34
330	13.05	6.77	17 47.6	-14 16	.011	6	0
331	13.09	-.49	18 14.0	-17 50	.005	4	0
332	13.25	-1.49	18 18.0	-18 10	.014	3	0
333	13.27	1.23	18 8.0	-16 50	.498	1	0
334	13.27	-6.54	18 37.0	-20 30	.075	1	53
335	13.34	-.95	18 16.2	-17 50	.004	3	0
336	13.36	-1.16	18 17.0	-17 55	.047	3	0
337	13.45	4.93	17 55.0	-14 51	.022	4	0
338	13.51	5.52	17 53.0	-14 30	.034	4	0
339	13.53	5.34	17 53.7	-14 35	.016	4	0
340	13.79	4.85	17 56.0	-14 36	.035	3	0
341	13.79	4.71	17 56.5	-14 40	.011	4	0
342	13.81	-1.46	18 19.0	-17 40	.795	1	0
343	13.91	-3.29	18 26.0	-18 26	.987	3	0
344	13.93	-6.74	18 39.0	-20 0	.016	3	52
345	13.99	6.36	17 51.0	-13 40	.240	2	0
346	14.04	-6.95	18 40.0	-20 0	.016	3	0
347	14.08	2.51	18 5.0	-15 30	.190	2	0
348	14.18	2.01	18 7.0	-15 40	.027	2	0
349	14.24	7.27	17 48.3	-13 0	.011	4	0
350	14.33	-2.80	18 25.0	-17 50	.145	3	0
351	14.40	-1.68	18 21.0	-17 15	.029	4	0
352	14.44	8.89	17 43.0	-12 0	5.250	1	0
353	14.44	-4.08	18 30.0	-18 20	3.330	1	0
354	14.48	-1.91	18 22.0	-17 17	.029	4	0
355	14.61	7.29	17 49.0	-12 40	.075	4	0
356	14.69	-3.29	18 27.5	-17 45	.011	4	0
357	14.80	.71	18 13.0	-15 45	.151	1	0
358	14.88	7.16	17 50.0	-12 30	.750	3	0
359	14.95	-1.12	18 20.0	-16 30	5.000	3	0
360	14.96	7.52	17 48.9	-12 15	.009	5	0

TABLE 1 (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
361	15.07	7.50	17 49.2	-12 10	.012	5	0
362	15.15	-2.91	18 27.0	-17 10	.465	2	0
363	15.18	5.64	17 56.0	-13 0	2.190	2	0
364	15.26	-4.20	18 32.0	-17 40	.102	3	0
365	15.38	-6.27	18 40.0	-18 30	.093	1	54
366	15.38	-6.27	18 40.0	-18 30	.093	1	0
367	15.82	8.55	17 47.0	-11 0	.800	4	0
368	15.82	4.18	18 2.5	-13 10	1.550	4	0
369	15.95	-6.84	18 43.2	-18 15	.016	2	39
370	16.04	-2.63	18 27.7	-16 15	.009	4	0
371	16.06	17.90	17 15.0	-6 0	1.020	2	90
372	16.17	-2.56	18 27.7	-16 6	.001	6	0
373	16.24	15.69	17 23.0	-7 0	.395	1	89
374	16.33	-2.29	18 27.0	-15 50	.348	3	0
375	16.39	3.52	18 6.0	-13 0	.118	4	0
376	16.56	-.25	18 20.0	-14 40	.730	4	0
377	16.64	-18.42	19 29.3	-22 30	.002	3	0
378	16.96	-3.85	18 34.0	-16 0	.088	3	0
379	17.03	-2.19	18 28.0	-15 10	.181	4	0
380	17.15	.06	18 20.0	-14 0	.258	4	0
381	17.17	-3.88	18 34.5	-15 50	.005	4	0
382	17.32	9.98	17 45.0	-9 0	.219	4	0
383	17.42	5.78	18 .0	-11 0	.754	3	0
384	17.64	5.90	18 .0	-10 45	7.160	1	0
385	17.73	-2.91	18 32.0	-14 53	.011	3	0
386	17.74	3.15	18 10.0	-12 0	18.700	3	0
387	18.00	18.72	17 16.0	-4 0	.548	2	91
388	18.07	-2.19	18 30.0	-14 15	5.890	1	0
389	18.14	-2.15	18 30.0	-14 10	.121	3	0
390	18.18	-2.95	18 33.0	-14 30	.147	3	0
391	18.51	19.88	17 13.0	-3 0	.393	3	92
392	18.51	8.94	17 51.0	-8 30	.010	5	0
393	18.56	11.54	17 42.0	-7 10	20.000	2	0
394	18.57	1.10	18 19.0	-12 15	1.500	1	0
395	18.81	-3.44	18 36.0	-14 10	.416	3	0
396	18.86	-1.55	18 29.2	-13 15	.004	3	0
397	18.88	6.60	18 .0	-9 20	.283	4	0
398	18.88	-1.76	18 30.0	-13 20	.011	3	0
399	18.93	-.08	18 24.0	-12 30	1.050	1	0
400	18.98	8.64	17 53.0	-8 15	.095	4	404
401	19.03	-3.14	18 35.3	-13 50	.007	5	0
402	19.05	-.84	18 27.0	-12 45	.006	5	0
403	19.18	-2.70	18 34.0	-13 30	.011	4	0
404	19.27	-.73	18 27.0	-12 30	.013	2	400
405	19.35	1.24	18 20.0	-11 30	10.500	3	0

TABLE 1 (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
406	19.40	.44	18 23.0	-11 50	.746	5	0
407	19.40	-2.04	18 32.0	-13 0	.339	2	0
408	19.69	4.79	18 8.0	-9 30	.474	4	0
409	19.74	-3.78	18 39.0	-13 30	1.460	4	0
410	19.86	-4.00	18 40.0	-13 30	5.000	3	0
411	19.93	.16	18 25.0	-11 30	.010	5	0
412	19.94	-.92	18 29.0	-12 0	.018	4	0
413	20.01	.54	18 23.8	-11 15	.010	5	0
414	20.08	1.22	18 21.5	-10 52	.010	5	0
415	20.32	1.21	18 22.0	-10 40	.140	4	0
416	20.37	1.10	18 22.5	-10 40	.005	6	0
417	20.40	1.11	18 22.5	-10 38	.003	5	0
418	20.46	4.09	18 12.0	-9 10	.160	3	0
419	20.67	4.76	18 10.0	-8 40	.108	4	0
420	20.73	1.15	18 23.0	-10 20	.010	5	0
421	20.97	10.14	17 51.6	-5 48	.020	5	0
422	20.99	5.22	18 9.0	-8 10	.007	6	0
423	21.03	.75	18 25.0	-10 15	.012	5	0
424	21.05	4.41	18 12.0	-8 30	.131	3	0
425	21.06	12.30	17 44.2	-4 40	.017	5	93
426	21.14	5.36	18 8.8	-7 58	.001	3	0
427	21.28	1.17	18 24.0	-9 50	.004	5	0
428	21.30	12.21	17 45.0	-4 30	.370	3	93
429	21.43	4.05	18 14.0	-8 20	.068	6	0
430	21.46	5.47	18 9.0	-7 38	.003	5	0
431	21.52	4.94	18 11.0	-7 50	.093	4	0
432	21.55	9.21	17 56.0	-5 45	.008	6	0
433	21.64	-3.08	18 40.0	-11 30	1.710	1	0
434	21.64	-3.08	18 40.0	-11 30	1.110	4	0
435	21.83	-.21	18 30.0	-10 0	8.400	4	0
436	22.01	4.92	18 12.0	-7 25	.006	6	0
437	22.14	3.45	18 17.5	-8 0	.163	5	0
438	22.17	5.15	18 11.5	-7 10	.008	6	0
439	22.34	9.35	17 57.0	-5 0	.181	3	0
440	22.52	3.79	18 17.0	-7 30	.014	4	0
441	22.53	8.32	18 1.0	-5 20	2.560	2	0
442	22.54	10.03	17 55.0	-4 30	.014	4	0
443	22.57	.17	18 30.0	-9 10	.045	5	0
444	22.70	8.70	18 .0	-5 0	1.030	4	0
445	22.70	-1.14	18 35.0	-9 40	.086	5	0
446	22.78	.84	18 28.0	-8 40	.140	4	0
447	22.79	5.06	18 13.0	-6 40	.546	4	0
448	22.88	-.77	18 34.0	-9 20	.027	4	0
449	22.94	-4.89	18 49.0	-11 10	.050	2	57
450	23.01	.40	18 30.0	-8 40	.048	4	0

TABLE 1 (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
451	23.05	3.51	18 19.0	-7 10	.022	5	0
452	23.05	-6.21	18 54.0	-11 40	1.270	3	4
453	23.11	2.70	18 22.0	-7 30	2.430	3	0
454	23.13	1.59	18 26.0	-8 0	.140	4	0
455	23.14	-.91	18 35.0	-9 10	.018	5	0
456	23.20	-5.03	18 50.0	-11 0	.032	3	57
457	23.20	-5.03	18 50.0	-11 0	.032	3	3
458	23.20	-6.13	18 54.0	-11 30	1.270	3	55
459	23.27	-2.24	18 40.0	-9 40	3.000	3	0
460	23.33	10.17	17 56.0	-3 45	.006	6	0
461	23.40	7.09	18 7.0	-5 10	.117	4	0
462	23.48	7.98	18 4.0	-4 40	.041	6	0
463	23.48	.93	18 29.0	-8 0	1.000	3	0
464	23.50	-4.88	18 50.0	-10 40	.034	3	56
465	23.50	-4.88	18 50.0	-10 40	.034	3	2
466	23.70	4.42	18 17.0	-6 10	.012	6	0
467	23.77	4.66	18 16.3	-6 0	.006	5	0
468	23.79	9.86	17 58.0	-3 30	.016	5	0
469	23.90	6.28	18 10.8	-5 7	.003	5	0
470	23.95	4.84	18 16.0	-5 45	.007	6	0
471	24.00	4.58	18 17.0	-5 50	.056	4	0
472	24.08	6.18	18 11.5	-5 0	.032	4	0
473	24.17	-.37	18 35.0	-8 0	.224	3	0
474	24.21	-4.25	18 49.0	-9 45	1.760	1	0
475	24.23	4.85	18 16.5	-5 30	.029	4	0
476	24.25	5.00	18 16.0	-5 25	.004	3	0
477	24.31	4.89	18 16.5	-5 25	.006	3	0
478	24.35	6.75	18 10.0	-4 30	.104	4	0
479	24.53	5.01	18 16.5	-5 10	.003	5	0
480	24.53	-2.14	18 42.0	-8 30	.440	1	0
481	24.55	3.19	18 23.0	-6 0	7.260	2	0
482	24.56	5.02	18 16.5	-5 8	.014	5	0
483	24.64	5.49	18 15.0	-4 50	.038	6	0
484	24.85	-.58	18 37.0	-7 30	1.870	2	0
485	24.94	.30	18 34.0	-7 0	.665	4	0
486	24.96	8.78	18 4.0	-3 0	1.530	3	0
487	24.99	5.90	18 14.2	-4 20	.004	4	0
488	25.04	5.99	18 14.0	-4 15	.004	4	0
489	25.20	2.68	18 26.0	-5 40	.238	3	0
490	25.23	6.51	18 12.5	-3 50	.002	6	0
491	25.23	2.98	18 25.0	-5 30	.262	3	0
492	25.29	6.40	18 13.0	-3 50	.008	6	0
493	25.38	7.30	18 10.0	-3 20	.081	4	0
494	25.42	.47	18 34.3	-6 30	.011	4	0
495	25.46	-.03	18 36.2	-6 42	.002	6	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
496	25.46	-2.49	18 45.0	-7 50	1.240	2	0
497	25.53	-.08	18 36.5	-6 40	.027	6	0
498	25.59	-.27	18 37.3	-6 42	.004	5	0
499	25.85	-.33	18 38.0	-6 30	.050	4	0
500	25.86	6.42	18 14.0	-3 20	.004	5	0
501	25.97	6.20	18 15.0	-3 20	.022	5	0
502	26.08	9.11	18 4.9	-1 52	.005	6	0
503	26.14	3.04	18 26.5	-4 40	.008	6	0
504	26.24	6.06	18 16.0	-3 10	.002	5	0
505	26.28	5.80	18 17.0	-3 15	.007	5	0
506	26.28	-2.07	18 45.0	-6 55	.001	4	0
507	26.29	7.10	18 12.4	-2 38	.016	5	0
508	26.51	8.75	18 7.0	-1 40	.036	3	0
509	26.56	-3.60	18 51.0	-7 22	.003	6	100
510	26.58	7.37	18 12.0	-2 15	.050	5	0
511	26.62	4.28	18 23.0	-3 40	.812	3	0
512	26.68	-3.40	18 50.5	-7 10	.066	3	100
513	26.72	8.57	18 8.0	-1 34	.127	6	0
514	26.80	-3.25	18 50.2	-7 0	.005	5	100
515	26.83	1.01	18 35.0	-5 0	8.440	3	0
516	26.92	-2.77	18 48.7	-6 40	.027	4	101
517	27.10	-.94	18 42.5	-5 40	.265	1	0
518	27.13	-3.17	18 50.5	-6 40	.003	5	100
519	27.31	8.32	18 10.0	-1 10	.138	4	0
520	27.33	5.79	18 19.0	-2 20	.097	5	0
521	27.67	-2.69	18 49.8	-5 58	.014	5	0
522	27.70	-2.45	18 49.0	-5 50	.176	4	0
523	27.71	-1.75	18 46.5	-5 30	.061	4	0
524	27.75	-.75	18 43.0	-5 0	.590	1	0
525	27.83	1.25	18 36.0	-4 0	2.160	2	0
526	27.92	4.68	18 24.0	-2 20	.905	3	0
527	27.99	-.85	18 43.8	-4 50	.005	4	0
528	28.07	-1.00	18 44.5	-4 50	.267	3	0
529	28.20	-.52	18 43.0	-4 30	.258	2	0
530	28.36	-1.55	18 47.0	-4 50	.124	6	0
531	28.37	-6.13	19 3.4	-6 55	.005	6	94
532	28.44	-.81	18 44.5	-4 25	.016	5	0
533	28.46	5.81	18 21.0	-1 20	.022	4	0
534	28.55	-2.29	18 50.0	-5 0	3.185	3	0
535	28.61	2.08	18 34.5	-2 56	.029	1	0
536	28.63	2.79	18 32.0	-2 35	.253	3	0
537	28.64	6.19	18 20.0	-1 0	.534	1	0
538	28.64	2.24	18 34.0	-2 50	.133	4	0
539	28.71	5.83	18 21.4	-1 6	.022	6	0
540	28.74	-5.94	19 3.4	-6 30	.113	3	94

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
541	28.90	2.46	18 33.7	-2 30	.043	4	0
542	28.99	-4.59	18 59.0	-5 40	.075	3	97
543	29.03	-5.96	19 4.0	-6 15	.007	6	94
544	29.12	-4.49	18 58.9	-5 30	.007	5	99
545	29.17	-3.12	18 54.1	-4 50	.006	5	0
546	29.26	-3.30	18 54.9	-4 50	.007	4	0
547	29.29	-1.35	18 48.0	-3 55	2.300	4	0
548	29.32	-1.06	18 47.0	-3 45	1.000	5	0
549	29.34	-4.55	18 59.5	-5 20	.006	5	98
550	29.52	-6.00	19 5.0	-5 50	3.110	1	0
551	29.59	-3.22	18 55.2	-4 30	.002	5	0
552	29.59	-5.04	19 1.7	-5 20	.032	3	95
553	29.60	-4.69	19 .5	-5 10	.020	3	96
554	29.64	-6.05	19 5.4	-5 45	.029	3	0
555	29.65	1.38	18 38.9	-2 20	.008	4	0
556	29.67	-3.54	18 56.5	-4 35	.130	4	0
557	29.75	2.26	18 36.0	-1 50	.181	6	0
558	29.79	2.55	18 35.0	-1 40	.432	3	0
559	29.80	3.97	18 30.0	-1 0	17.000	4	0
560	29.95	1.51	18 39.0	-2 0	.043	3	0
561	30.02	-2.94	18 55.0	-4 0	1.550	2	0
562	30.07	-4.32	19 .0	-4 35	.020	5	0
563	30.09	2.15	18 37.0	-1 35	2.500	1	0
564	30.16	2.75	18 35.0	-1 15	.208	5	0
565	30.16	-2.31	18 53.0	-3 35	1.370	2	0
566	30.25	-.86	18 48.0	-2 50	.050	5	0
567	30.27	-4.64	19 1.5	-4 33	.024	6	0
568	30.37	-3.27	18 56.8	-3 50	.010	3	0
569	30.40	8.23	18 16.0	1 30	31.000	2	0
570	30.44	5.99	18 24.0	-0 30	.066	6	0
571	30.46	4.88	18 28.0	0 0	.142	3	0
572	30.46	4.88	18 28.0	0 0	14.000	4	0
573	30.60	5.51	18 26.0	-0 25	.026	3	0
574	30.66	-5.28	19 4.5	-4 30	.061	4	0
575	30.76	5.74	18 25.5	-0 40	.078	3	0
576	30.93	4.87	18 28.9	-0 25	.005	5	0
577	30.93	-4.72	19 3.0	-4 0	.784	3	0
578	31.00	4.99	18 28.6	-0 32	.008	5	0
579	31.12	-1.81	18 53.0	-2 30	1.710	3	0
580	31.12	-5.46	19 6.0	-4 10	.041	4	0
581	31.14	-5.12	19 4.8	-4 0	.072	6	0
582	31.22	-.92	18 50.0	-2 0	.283	5	0
583	31.32	4.48	18 31.0	0 35	.084	5	0
584	31.38	-1.96	18 54.0	-2 20	.077	4	0
585	31.43	7.35	18 21.0	2 0	1.320	1	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
586	31.44	2.99	18 36.5	0 0	.034	3	0
587	31.50	2.88	18 37.0	0 0	.093	5	0
588	31.54	3.89	18 33.5	-0 30	.034	6	0
589	31.66	-.69	18 50.0	-1 30	1.680	2	0
590	31.86	-4.52	19 4.0	-3 5	10.000	2	0
591	31.89	3.93	18 34.0	-0 50	.330	3	0
592	32.01	6.24	18 26.0	2 0	.011	4	0
593	32.09	3.19	18 37.0	-0 40	.462	3	0
594	32.29	-2.61	18 58.0	-1 50	.005	3	0
595	32.32	-15.17	19 43.0	-7 30	.052	3	102
596	32.64	1.05	18 45.6	0 10	.061	4	0
597	32.80	.40	18 48.2	0 1	.018	5	0
598	32.92	1.59	18 44.2	0 40	.001	5	0
599	32.95	.26	18 49.0	0 5	.022	4	0
600	32.99	6.18	18 28.0	2 50	.029	4	0
601	32.99	1.63	18 44.2	0 45	.001	5	0
602	33.00	.28	18 49.0	-0 8	.003	4	0
603	33.02	1.75	18 43.8	0 50	.004	6	0
604	33.03	.29	18 49.0	0 10	.152	5	0
605	33.07	1.67	18 44.2	0 50	.002	5	0
606	33.10	.33	18 49.0	-0 15	.002	4	0
607	33.14	1.34	18 45.5	-0 45	.147	2	0
608	33.32	.45	18 49.0	-0 30	.004	4	0
609	33.40	.49	18 49.0	-0 35	.003	4	0
610	33.46	1.08	18 47.0	-0 55	.129	2	0
611	33.65	-.53	18 53.1	-0 20	.015	5	0
612	33.83	-.52	18 53.4	-0 30	.003	4	0
613	33.85	-.74	18 54.2	-0 25	.007	5	0
614	33.85	-.74	18 54.2	-0 25	.032	4	0
615	34.18	-6.98	19 17.0	-2 10	1.350	3	0
616	34.20	2.02	18 45.0	2 0	2.390	2	0
617	34.46	-.64	18 55.0	1 0	.745	5	0
618	34.46	-5.71	19 13.0	-1 20	.018	3	0
619	34.56	-6.37	19 15.5	-1 33	.016	5	0
620	35.11	-6.78	19 18.0	-1 15	.018	3	0
621	35.23	2.56	18 45.0	3 10	45.000	3	0
622	35.56	-4.02	19 9.0	-0 25	.297	3	0
623	35.69	-16.04	19 52.0	-5 0	3.190	3	0
624	35.82	-2.19	19 3.0	1 30	.486	1	0
625	35.94	-2.41	19 4.0	1 30	.002	3	0
626	36.01	-2.37	19 4.0	1 35	.003	3	0
627	36.14	-4.42	19 11.5	0 45	2.990	2	0
628	36.67	.21	18 56.0	3 22	2.000	4	0
629	36.77	-5.08	19 15.0	1 0	.392	3	0
630	36.79	5.74	18 36.5	6 0	.301	1	118

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
631	37.52	-3.28	19 10.0	2 30	.020	2	0
632	37.56	-5.51	19 18.0	1 30	.765	1	0
633	37.91	5.75	18 38.5	7 0	.075	2	119
634	38.42	5.87	18 39.0	7 30	.059	2	120
635	38.55	-1.89	19 7.0	4 3	.001	5	0
636	38.67	-.98	19 4.0	4 35	.220	5	0
637	39.01	6.17	18 39.0	8 10	.030	3	121
638	39.21	3.77	18 48.0	7 15	20.000	2	0
639	39.74	-2.11	19 10.0	5 0	1.370	2	0
640	40.02	-4.78	19 20.0	4 0	1.620	1	0
641	40.20	-3.00	19 14.0	5 0	.380	1	0
642	40.55	-3.66	19 17.0	5 0	.554	3	0
643	40.86	-4.79	19 21.6	4 44	.015	5	0
644	41.88	-2.95	19 17.0	6 30	2.340	2	0
645	42.54	-2.60	19 17.0	7 15	5.000	1	0
646	42.62	-1.15	19 12.0	8 0	2.520	2	0
647	42.75	-2.63	19 17.5	7 25	.206	4	0
648	42.85	8.62	18 37.0	12 40	.011	6	141
649	42.91	-.44	19 10.0	8 35	23.000	2	0
650	43.21	8.66	18 37.5	13 0	.050	4	141
651	43.21	-2.25	19 17.0	8 0	.025	4	0
652	43.38	-1.87	19 16.0	8 20	.217	2	0
653	43.48	8.12	18 40.0	13 0	.643	2	141
654	43.50	-4.90	19 27.0	7 0	4.560	1	0
655	43.71	-2.23	19 17.9	8 27	.020	5	0
656	43.75	-2.49	19 18.9	8 22	.001	5	0
657	44.14	-2.31	19 19.0	8 48	.075	5	0
658	44.26	-2.10	19 18.5	9 0	.016	4	146
659	44.28	8.78	18 39.0	14 0	1.460	3	141
660	44.30	9.87	18 35.0	14 30	2.280	1	141
661	44.37	-2.30	19 19.4	9 0	.008	4	145
662	44.54	4.55	18 55.0	12 20	.416	1	0
663	44.79	-6.32	19 34.5	7 27	.005	6	126
664	44.85	-1.79	19 18.5	9 40	.183	4	0
665	44.87	9.47	18 37.5	14 50	.077	3	141
666	45.13	9.33	18 38.5	15 0	.131	4	141
667	45.14	2.66	19 3.0	12 0	2.630	3	0
668	45.40	-7.83	19 41.0	7 15	.037	3	123
669	45.47	3.65	19 .0	12 45	1.280	4	0
670	45.50	-7.49	19 40.0	7 30	.168	2	123
671	45.63	-6.00	19 35.0	8 20	.102	2	125
672	45.67	-8.82	19 45.0	7 0	.687	1	122
673	46.17	-1.08	19 18.5	11 10	.199	6	0
674	46.32	-3.10	19 26.0	10 20	.458	1	140
675	46.39	-1.83	19 21.6	11 0	.003	6	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
676	46.47	-1.11	19 19.2	11 25	.006	6	0
677	46.61	-1.26	19 20.0	11 28	.006	6	0
678	46.62	-7.44	19 42.0	8 30	.050	4	124
679	46.63	1.24	19 11.0	12 40	.936	3	0
680	46.67	-7.49	19 42.3	8 31	.007	5	124
681	46.77	-7.35	19 42.0	8 40	.066	2	124
682	46.81	-2.96	19 26.5	10 50	.052	3	139
683	46.82	-.87	19 19.0	11 50	.104	3	0
684	47.32	-.74	19 19.5	12 20	.185	5	0
685	47.37	-2.94	19 27.5	11 20	.037	2	138
686	47.49	-1.06	19 21.0	12 20	.009	4	0
687	47.50	-5.31	19 36.2	10 18	.006	5	130
688	47.58	-5.32	19 36.4	10 22	.016	5	130
689	47.60	-5.76	19 38.0	10 10	.057	4	130
690	47.68	-5.80	19 38.3	10 13	.035	3	130
691	47.75	-2.59	19 27.0	11 50	.063	2	137
692	47.81	-.61	19 20.0	12 50	.050	4	0
693	47.85	2.70	19 8.0	14 25	17.000	2	0
694	48.22	-5.50	19 38.3	10 50	.109	6	130
695	48.23	-6.54	19 42.0	10 20	.351	1	130
696	48.34	-2.27	19 27.0	12 30	.019	2	136
697	48.37	5.14	19 .0	16 0	.561	2	0
698	48.40	-1.35	19 23.8	13 0	.012	6	0
699	48.48	-2.19	19 27.0	12 40	.020	2	135
700	48.56	-5.48	19 38.9	11 8	.005	4	131
701	48.71	-3.63	19 32.6	12 10	.016	4	134
702	48.89	-3.95	19 34.1	12 10	.005	5	133
703	48.96	-7.03	19 45.2	10 43	.020	2	129
704	49.07	-1.18	19 24.5	13 40	.097	6	0
705	49.08	-3.95	19 34.5	12 20	.086	4	132
706	49.31	16.56	18 18.0	21 44	.008	4	0
707	49.63	-6.96	19 46.3	11 20	.024	5	128
708	49.71	5.82	19 .0	17 30	.020	3	0
709	49.99	2.73	19 12.0	16 20	.002	6	0
710	50.16	6.04	19 .0	18 0	.045	3	0
711	50.16	6.04	19 .0	18 0	6.000	1	0
712	50.28	6.91	18 57.0	18 30	.865	2	0
713	50.36	3.47	19 10.0	17 0	4.000	3	0
714	51.10	3.85	19 10.0	17 50	.009	4	0
715	51.38	5.86	19 3.0	19 0	.115	3	0
716	51.60	1.14	19 21.0	17 0	14.000	4	0
717	51.62	3.05	19 14.0	17 55	.147	5	0
718	51.69	4.16	19 10.0	18 30	.524	4	0
719	51.76	6.59	19 1.0	19 40	.088	2	0
720	51.76	-2.59	19 35.0	15 20	7.000	2	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
721	52.15	-0.73	19 29.0	16 35	19.000	3	0
722	52.88	1.57	19 22.0	18 20	.023	5	0
723	52.92	3.20	19 16.0	19 8	.010	5	0
724	53.03	4.85	19 10.0	20 0	6.000	2	0
725	53.10	.61	19 26.0	18 4	.005	5	0
726	53.27	-4.23	19 44.0	15 50	.030	1	155
727	53.53	.03	19 29.0	18 10	.018	4	0
728	53.60	5.94	19 7.0	21 0	1.000	1	0
729	53.72	-2.34	19 38.1	17 10	.023	5	0
730	53.76	3.11	19 18.0	19 50	.023	5	0
731	53.77	-1.74	19 36.0	17 30	.270	4	0
732	53.92	3.33	19 17.5	20 5	.018	5	0
733	54.04	-3.23	19 42.0	17 0	.398	2	154
734	54.39	6.60	19 6.0	22 0	.660	2	0
735	54.42	2.93	19 20.0	20 20	.019	5	0
736	54.58	5.13	19 12.0	21 30	.660	2	0
737	54.58	-1.82	19 38.0	18 10	.077	4	0
738	54.75	3.37	19 19.0	20 50	.062	2	0
739	54.79	2.60	19 22.0	20 30	.384	3	0
740	54.80	1.54	19 26.0	20 0	3.800	2	0
741	54.90	3.45	19 19.0	21 0	7.000	4	0
742	54.93	.26	19 31.0	19 30	.047	4	0
743	54.95	-1.12	19 36.2	18 50	.014	4	0
744	55.01	3.96	19 17.3	21 20	.027	4	0
745	55.10	-3.72	19 46.0	17 40	.490	2	153
746	55.19	3.34	19 20.0	21 12	.035	4	0
747	55.21	-1.74	19 39.0	18 45	.017	4	0
748	55.34	2.63	19 23.0	21 0	.570	2	0
749	55.43	5.31	19 13.0	22 20	.295	3	0
750	55.46	4.54	19 16.0	22 0	8.000	2	0
751	55.46	3.78	19 18.9	21 39	.003	4	0
752	55.52	-.94	19 36.7	19 25	.012	4	0
753	55.53	-3.47	19 46.0	18 10	.005	5	153
754	55.77	-3.05	19 45.0	18 35	.008	4	152
755	55.86	2.38	19 25.0	21 20	.167	3	0
756	55.91	2.28	19 25.5	21 20	.007	4	0
757	55.93	-1.60	19 40.0	19 27	.033	4	0
758	55.93	-2.83	19 44.5	18 50	.029	5	0
759	56.39	7.09	19 8.0	24 0	.358	1	163
760	56.56	1.97	19 28.0	21 45	.010	3	0
761	56.58	.38	19 34.0	21 0	.116	5	0
762	56.61	4.68	19 17.8	23 5	.010	4	0
763	56.70	5.06	19 16.5	23 20	.008	6	0
764	56.75	4.95	19 17.0	23 20	.079	3	0
765	56.79	-1.65	19 42.0	20 10	.040	4	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
766	56.80	-3.00	19 47.0	19 30	1.040	2	151
767	56.81	3.42	19 23.0	22 40	.201	3	0
768	56.99	2.73	19 26.0	22 30	.111	4	0
769	57.00	3.78	19 22.0	23 0	.016	6	0
770	57.00	1.68	19 30.0	22 0	.344	2	0
771	57.01	4.68	19 18.6	23 26	.005	6	0
772	57.10	3.58	19 23.0	23 0	.068	4	0
773	57.12	4.27	19 20.4	23 20	.004	4	0
774	57.16	4.18	19 20.8	23 20	.002	5	0
775	57.24	4.04	19 21.5	23 20	.025	4	0
776	57.34	1.08	19 33.0	22 0	.529	2	0
777	57.50	7.14	19 10.0	25 0	.226	1	162
778	57.84	3.45	19 25.0	23 35	.043	6	0
779	57.87	2.69	19 28.0	23 15	.140	3	0
780	58.01	6.89	19 12.0	25 20	.127	2	162
781	58.02	3.29	19 26.0	23 40	.047	3	0
782	58.17	3.37	19 26.0	23 50	.010	5	0
783	58.20	3.65	19 25.0	24 0	.050	3	0
784	58.42	3.25	19 27.0	24 0	.391	2	0
785	58.98	2.25	19 32.0	24 0	.007	3	161
786	58.99	2.91	19 29.5	24 20	.038	3	0
787	59.43	-2.52	19 51.0	22 0	24.000	2	0
788	59.50	2.68	19 31.5	24 40	.007	3	0
789	60.31	-1.06	19 47.5	23 30	.014	3	144
790	60.47	2.82	19 33.0	25 35	.005	4	143
791	60.60	-.89	19 47.5	23 50	.095	4	0
792	60.69	2.43	19 35.0	25 35	.145	4	0
793	60.75	1.82	19 37.5	25 20	.066	3	0
794	61.49	2.88	19 35.0	26 30	.278	1	160
795	61.49	2.88	19 35.0	26 30	.278	1	142
796	62.05	1.39	19 42.0	26 15	.014	4	0
797	62.09	-4.28	20 3.5	23 20	.013	3	0
798	62.17	.69	19 45.0	26 0	2.500	3	0
799	62.39	1.98	19 40.5	26 50	.026	4	0
800	62.41	1.60	19 42.0	26 40	.036	4	0
801	62.52	-3.41	20 1.3	24 10	.041	3	0
802	62.64	-2.34	19 57.6	24 50	.005	4	0
803	62.66	2.18	19 40.3	27 10	.019	4	0
804	62.68	2.07	19 40.8	27 8	.018	4	0
805	62.69	-2.82	19 59.5	24 37	.005	4	0
806	62.73	1.71	19 42.3	27 0	.006	4	0
807	62.87	1.97	19 41.6	27 15	.025	4	0
808	62.96	1.66	19 43.0	27 10	.014	4	0
809	63.32	-3.10	20 2.0	25 0	2.200	1	0
810	63.53	2.00	19 43.0	27 50	.047	4	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
811	63.78	3.41	19 38.0	28 45	.253	1	178
812	64.04	2.29	19 43.0	28 25	.145	3	0
813	64.32	2.96	19 41.0	29 0	.224	3	0
814	64.66	-2.25	20 2.0	26 35	.032	3	0
815	64.76	2.20	19 45.0	29 0	2.320	3	0
816	64.81	4.98	19 34.0	30 25	.025	1	177
817	64.98	3.83	19 39.0	30 0	5.000	2	0
818	65.76	-5.01	20 15.0	26 0	10.000	1	0
819	65.95	2.65	19 46.0	30 15	.118	2	0
820	66.13	3.50	19 43.0	30 50	.378	3	0
821	66.62	5.68	19 35.2	32 20	.007	3	408
822	67.36	3.72	19 45.0	32 0	2.410	1	0
823	68.13	-1.34	20 7.0	30 0	1.440	2	0
824	68.34	-3.02	20 14.0	29 15	.212	4	0
825	68.76	3.32	19 50.0	33 0	2.050	3	0
826	68.80	4.07	19 47.0	33 25	.055	3	0
827	68.83	-3.21	20 16.0	29 33	.055	4	0
828	69.01	3.71	19 49.0	33 25	.019	3	0
829	69.17	3.24	19 51.3	33 19	.011	4	0
830	69.32	3.65	19 50.0	33 39	.015	3	0
831	69.47	3.26	19 52.0	33 35	.012	4	0
832	69.62	3.10	19 53.0	33 38	.022	4	0
833	69.65	3.12	19 53.0	33 40	1.500	2	0
834	70.06	3.61	19 52.0	34 16	.015	4	0
835	70.25	3.84	19 51.5	34 33	.014	3	0
836	70.28	3.86	19 51.5	34 35	.012	4	0
837	70.44	-3.66	20 21.9	30 37	.008	4	176
838	70.45	-3.67	20 22.0	30 37	.008	4	0
839	70.48	2.41	19 58.0	34 0	1.400	1	0
840	70.73	3.92	19 52.4	35 0	.110	3	0
841	70.87	-.05	20 9.0	33 0	30.000	3	0
842	70.96	-2.28	20 18.0	31 50	.016	4	0
843	70.99	-2.44	20 18.7	31 46	.007	4	0
844	71.16	-4.86	20 28.4	30 30	.020	3	0
845	71.23	1.63	20 3.1	34 13	.200	2	0
846	71.46	-7.78	20 40.0	29 0	3.000	1	0
847	71.55	2.59	20 .0	35 0	3.000	3	0
848	71.68	1.85	20 3.4	34 43	.011	4	0
849	71.81	2.10	20 2.7	34 58	.011	4	0
850	71.82	.32	20 10.0	34 0	.800	1	0
851	71.96	-4.26	20 28.3	31 30	.020	3	175
852	71.99	1.90	20 4.0	35 0	.030	3	0
853	72.17	1.77	20 5.0	35 5	.002	5	0
854	72.18	3.94	19 56.0	36 15	.108	2	0
855	72.26	3.82	19 56.7	36 15	.008	3	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
856	72.27	1.52	20 6.3	35 2	.015	3	0
857	72.40	3.12	20 .0	36 0	.800	1	0
858	72.40	.89	20 9.2	34 48	.200	4	0
859	72.64	-4.06	20 29.4	32 10	.015	4	0
860	72.65	2.56	20 3.0	35 55	.001	6	0
861	72.79	3.69	19 58.6	36 38	.005	3	0
862	73.64	2.72	20 5.0	36 50	.800	1	0
863	73.85	2.64	20 5.9	36 58	.005	4	0
864	73.85	-5.95	20 40.0	32 0	5.000	3	0
865	74.04	3.58	20 2.4	37 38	.075	4	0
866	74.35	3.10	20 5.3	37 38	.172	3	0
867	74.40	4.80	19 58.1	38 35	.011	3	0
868	74.51	-6.79	20 45.0	32 0	.654	2	0
869	75.03	5.21	19 58.0	39 20	.034	1	215
870	75.61	-3.30	20 35.0	35 0	25.000	2	0
871	75.93	4.41	20 4.0	39 40	.068	2	216
872	76.09	5.41	20 .0	40 20	.083	1	214
873	76.11	-3.95	20 39.0	35 0	.980	1	181
874	76.24	-4.12	20 40.0	35 0	.980	1	0
875	76.28	4.17	20 6.0	39 50	.004	3	216
876	76.36	3.88	20 7.5	39 45	.029	3	217
877	76.89	3.08	20 12.5	39 45	.007	6	0
878	76.96	4.38	20 7.0	40 31	.003	4	0
879	77.11	1.72	20 19.0	39 10	.004	5	0
880	77.18	3.39	20 12.0	40 10	.015	5	0
881	77.20	2.48	20 16.0	39 40	.005	6	0
882	77.22	2.14	20 17.5	39 30	.002	5	0
883	77.28	2.06	20 18.0	39 30	.003	5	0
884	77.34	5.30	20 4.0	41 20	1.230	2	0
885	77.41	4.56	20 7.5	41 0	.002	4	0
886	77.44	2.41	20 17.0	39 50	1.050	2	0
887	77.99	6.14	20 2.0	42 20	.019	4	0
888	77.99	2.79	20 17.0	40 30	4.460	3	0
889	78.24	1.56	20 23.0	40 0	.800	4	0
890	78.35	6.36	20 2.0	42 45	.054	3	213
891	78.58	4.31	20 12.0	41 50	.011	4	0
892	78.65	3.91	20 14.0	41 40	.054	4	0
893	78.68	4.60	20 11.0	42 5	.034	3	0
894	78.71	3.96	20 14.0	41 45	.004	4	0
895	79.34	4.37	20 14.0	42 30	5.640	2	0
896	79.79	-1.35	20 40.0	39 30	.028	5	0
897	79.87	2.72	20 23.0	42 0	.111	4	0
898	79.92	-1.24	20 40.0	39 40	.070	4	0
899	80.17	3.16	20 22.0	42 30	.018	4	0
900	80.35	3.05	20 23.0	42 35	.016	4	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
901	80.49	3.87	20 19.8	43 10	.006	4	0
902	80.51	3.84	20 20.0	43 10	.001	5	0
903	80.68	6.75	20 7.0	44 55	.005	5	212
904	80.74	-3.32	20 51.0	39 0	8.000	1	0
905	80.99	6.74	20 8.0	45 10	.018	4	211
906	81.19	.92	20 35.0	42 0	15.780	3	0
907	81.24	-1.03	20 43.4	40 50	.047	3	0
908	81.82	5.17	20 18.0	45 0	.366	3	210
909	81.82	5.17	20 18.0	45 0	3.840	3	0
910	81.96	5.27	20 18.0	45 10	.011	4	0
911	82.24	.79	20 39.0	42 45	.013	4	0
912	82.29	-5.85	21 6.0	38 30	.800	1	0
913	82.43	4.60	20 22.6	45 10	.011	4	209
914	82.54	-1.57	20 50.0	41 30	5.210	3	0
915	82.89	.23	20 43.6	42 55	.007	6	0
916	82.89	-2.76	20 56.0	41 0	1.440	2	0
917	83.14	1.61	20 38.5	43 58	.001	6	0
918	83.18	1.48	20 39.2	43 55	.004	6	0
919	83.25	3.37	20 31.0	45 7	.001	5	208
920	83.29	3.40	20 31.0	45 10	.001	5	0
921	83.29	3.29	20 31.5	45 6	.002	5	207
922	83.33	2.10	20 37.0	44 25	.005	6	0
923	83.37	3.01	20 33.0	45 0	.054	3	206
924	83.37	3.01	20 33.0	45 0	.054	3	0
925	83.40	3.26	20 32.0	45 10	.002	5	0
926	83.56	3.01	20 33.7	45 9	.002	5	206
927	83.56	-3.67	21 2.0	40 54	.025	4	0
928	83.58	1.77	20 39.3	44 25	.003	6	0
929	83.61	2.97	20 34.0	45 10	.002	5	0
930	83.74	2.80	20 35.2	45 10	.002	5	205
931	83.75	.36	20 46.0	43 40	.013	5	0
932	84.38	-3.44	21 4.0	41 40	.004	4	0
933	84.58	-.11	20 51.0	44 0	.132	1	0
934	84.72	-3.44	21 5.2	41 55	.011	4	0
935	84.79	-.88	20 55.0	43 40	2.250	4	0
936	85.23	.66	20 50.0	45 0	.914	2	0
937	85.32	-3.60	21 8.0	42 15	8.130	3	0
938	85.37	-3.29	21 7.0	42 30	.316	3	204
939	85.43	5.28	20 29.5	48 0	20.000	1	0
940	85.76	.64	20 52.0	45 24	.151	2	224
941	86.28	.39	20 55.0	45 38	.105	5	0
942	86.69	-3.95	21 14.5	43 0	.006	5	203
943	86.86	-3.86	21 14.8	43 11	.009	3	203
944	86.91	-4.06	21 15.8	43 5	.002	6	202
945	86.93	.72	20 56.0	46 20	.160	2	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
946	87.20	-4.11	21 17.1	43 15	.001	5	200
947	87.22	-4.35	21 18.1	43 6	.008	5	198
948	87.26	-4.49	21 18.8	43 2	.001	5	197
949	87.30	-4.12	21 17.5	43 19	.014	5	201
950	87.31	.41	20 58.8	46 25	.112	5	0
951	87.36	-4.49	21 19.2	43 6	.005	6	195
952	87.39	-4.31	21 18.6	43 15	.001	5	199
953	87.45	-4.48	21 19.5	43 10	.001	6	196
954	87.88	.64	21 .0	47 0	.450	3	0
955	87.94	1.59	20 56.0	47 40	.081	3	0
956	88.11	-1.43	21 9.8	45 46	.003	5	223
957	88.20	1.15	20 59.0	47 35	.256	1	0
958	88.27	1.59	20 57.3	47 55	.012	5	0
959	88.54	-1.07	21 10.0	46 20	.079	1	223
960	88.63	-.23	21 6.8	46 58	.003	5	222
961	88.72	-.23	21 7.1	47 2	.006	5	221
962	88.75	1.41	21 .0	48 10	.666	2	0
963	88.78	-1.32	21 12.0	46 20	.104	3	223
964	88.90	-.22	21 7.8	47 10	.006	5	220
965	89.03	-2.53	21 18.0	45 40	.430	3	239
966	89.09	2.04	20 58.5	48 50	.172	4	0
967	89.12	-.17	21 8.5	47 22	.156	3	220
968	89.13	-3.10	21 20.7	45 20	.014	2	194
969	89.23	-5.92	21 32.0	43 22	.018	3	192
970	89.27	-.62	21 11.0	47 10	.123	4	220
971	89.38	2.14	20 59.2	49 7	.010	5	0
972	89.39	-2.54	21 19.5	45 55	.050	4	239
973	89.46	-6.62	21 35.5	43 0	.029	5	191
974	89.50	-1.94	21 17.5	46 25	.192	4	239
975	89.51	-.15	21 10.0	47 40	.075	5	0
976	89.66	-2.96	21 22.3	45 48	.000	2	239
977	89.66	-6.80	21 37.0	43 0	.034	4	191
978	89.70	2.36	20 59.5	49 30	.200	5	0
979	89.82	-6.76	21 37.5	43 8	.002	5	191
980	89.89	-2.91	21 23.0	46 0	.000	1	239
981	89.92	2.87	20 58.0	50 0	.033	6	0
982	90.00	2.34	21 .8	49 43	.019	5	0
983	90.04	-4.66	21 30.5	44 50	.068	3	193
984	90.13	2.63	21 .0	50 0	.056	4	0
985	90.15	3.18	20 57.5	50 23	.033	4	0
986	90.15	-4.54	21 30.5	45 0	.079	2	193
987	90.41	3.04	20 59.2	50 29	.009	5	0
988	90.45	2.27	21 3.0	50 0	.210	1	0
989	90.45	-1.59	21 20.0	47 20	1.400	3	239
990	90.66	3.66	20 57.3	51 5	.051	5	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
991	90.71	3.00	21 .7	50 41	.016	5	0
992	90.80	4.66	20 53.0	51 50	.080	3	0
993	90.94	-2.26	21 24.8	47 12	.001	4	234
994	91.03	-2.02	21 24.2	47 26	.009	3	238
995	91.03	-2.20	21 24.9	47 18	.001	4	235
996	91.04	4.25	20 56.0	51 45	.080	5	0
997	91.13	-2.07	21 24.8	47 28	.001	5	237
998	91.14	2.99	21 2.5	51 0	.172	4	0
999	91.14	2.25	21 6.0	50 30	7.200	1	0
1000	91.16	2.48	21 5.0	50 40	.255	1	0
1001	91.21	-2.15	21 25.5	47 28	.001	5	236
1002	91.51	4.85	20 55.0	52 30	1.970	2	0
1003	91.55	4.29	20 58.0	52 10	.079	5	0
1004	91.76	4.06	21 .0	52 10	.174	4	0
1005	91.79	1.55	21 12.0	50 30	7.000	3	0
1006	91.79	-2.53	21 29.5	47 35	.039	3	233
1007	91.81	-1.05	21 23.5	48 40	.153	3	240
1008	92.10	-1.10	21 25.0	48 50	.013	5	240
1009	92.15	-2.75	21 32.0	47 40	.061	4	232
1010	92.22	-3.94	21 37.0	46 50	.182	4	230
1011	92.27	3.49	21 5.0	52 10	.078	4	0
1012	92.34	-2.63	21 32.3	47 53	.021	4	231
1013	92.41	4.83	20 59.0	53 10	.048	5	0
1014	92.45	-.12	21 22.3	49 47	.004	6	0
1015	92.54	4.94	20 59.0	53 20	.049	5	0
1016	92.68	1.07	21 18.1	50 48	.003	5	0
1017	92.71	-.14	21 23.6	49 57	.027	5	0
1018	92.75	4.33	21 3.0	53 5	.016	5	0
1019	92.77	.89	21 19.3	50 44	.003	5	0
1020	92.85	-4.26	21 41.0	47 0	.136	3	229
1021	92.90	.88	21 19.9	50 49	.001	6	0
1022	92.95	3.49	21 8.0	52 40	.382	4	0
1023	92.97	5.71	20 57.0	54 10	.280	2	0
1024	92.97	-3.97	21 40.4	47 18	.011	5	228
1025	92.97	-3.97	21 40.4	47 18	.011	5	225
1026	93.01	5.16	21 .0	53 50	.048	5	0
1027	93.01	4.16	21 5.0	53 10	.026	5	0
1028	93.03	4.38	21 4.0	53 20	.055	4	0
1029	93.14	5.27	21 .0	54 0	10.000	3	0
1030	93.23	-4.76	21 44.6	46 52	.031	4	229
1031	93.24	-4.60	21 44.0	47 0	.020	5	229
1032	93.27	4.99	21 2.0	53 55	.043	4	0
1033	93.35	9.79	20 36.0	57 0	.714	3	0
1034	93.41	4.72	21 4.0	53 50	.045	4	0
1035	93.41	-4.08	21 42.8	47 30	.109	5	225

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1036	93.43	9.68	20 37.0	57 0	.088	5	0
1037	93.43	6.85	20 53.0	55 15	.591	3	0
1038	93.44	8.30	20 45.0	56 10	.660	2	0
1039	93.49	9.05	20 41.0	56 40	.079	4	0
1040	93.65	-4.29	21 44.7	47 30	.016	4	225
1041	93.70	9.88	20 37.0	57 20	.022	5	245
1042	93.78	-4.83	21 47.3	47 10	.015	5	225
1043	93.79	-2.43	21 38.0	49 0	1.148	2	0
1044	93.81	9.46	20 40.0	57 10	.006	5	0
1045	93.83	-4.55	21 46.5	47 25	.018	4	225
1046	93.89	-3.18	21 41.5	48 30	.088	3	0
1047	93.93	-4.35	21 46.2	47 38	.005	5	226
1048	93.99	-1.11	21 33.5	50 7	.069	3	0
1049	94.03	9.45	20 41.0	57 20	.005	6	0
1050	94.03	5.28	21 4.0	54 40	.090	4	0
1051	94.07	9.40	20 41.5	57 20	.010	5	244
1052	94.08	-4.12	21 46.0	47 54	.018	5	227
1053	94.09	6.47	20 58.0	55 30	.033	5	339
1054	94.18	-.77	21 33.0	50 30	6.000	2	0
1055	94.18	-5.41	21 51.3	46 58	.199	3	225
1056	94.25	6.79	20 57.0	55 50	.036	2	339
1057	94.50	-2.60	21 42.0	49 20	.053	4	0
1058	94.62	6.37	21 1.0	55 50	.869	3	339
1059	94.90	-1.40	21 39.0	50 30	.059	3	0
1060	94.92	4.92	21 10.0	55 5	.031	4	340
1061	95.27	7.66	20 57.0	57 10	.618	2	364
1062	95.30	4.89	21 12.0	55 20	.003	5	341
1063	95.34	6.07	21 6.0	56 10	.025	5	339
1064	95.36	4.94	21 12.0	55 25	.001	5	342
1065	95.46	6.18	21 6.0	56 20	.023	5	339
1066	95.75	-2.13	21 46.0	50 30	.208	3	0
1067	95.77	6.09	21 8.0	56 30	.012	5	339
1068	95.79	6.69	21 4.9	56 55	.027	5	0
1069	95.80	6.31	21 7.0	56 40	.018	4	339
1070	95.84	-1.77	21 45.0	50 50	.050	5	0
1071	95.91	8.20	20 57.0	58 0	.092	5	243
1072	96.08	5.04	21 15.0	56 0	1.510	2	343
1073	96.23	-1.66	21 46.5	51 10	.162	2	0
1074	96.31	1.56	21 33.0	53 40	.027	5	370
1075	96.33	2.23	21 30.0	54 10	.145	4	370
1076	96.49	10.14	20 48.2	59 40	.008	5	242
1077	96.53	1.14	21 36.0	53 30	.002	5	362
1078	96.65	1.49	21 35.0	53 50	.018	5	370
1079	96.66	2.38	21 31.0	54 30	.011	5	370
1080	96.81	4.78	21 20.0	56 20	.001	5	363

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1081	96.87	1.74	21 35.0	54 10	.584	2	370
1082	96.90	10.17	20 50.0	60 0	.111	5	241
1083	97.61	3.20	21 32.0	55 45	.761	3	0
1084	97.75	1.63	21 40.0	54 40	.099	4	370
1085	98.15	3.78	21 32.0	56 32	.010	4	0
1086	98.19	4.83	21 27.0	57 20	.095	4	371
1087	98.21	3.44	21 34.0	56 20	.013	5	0
1088	98.30	2.91	21 37.0	56 0	.019	4	0
1089	98.33	13.86	20 32.0	63 20	.244	3	296
1090	98.33	3.57	21 34.0	56 30	.028	4	0
1091	98.67	-1.68	21 59.0	52 40	.124	2	361
1092	98.70	3.57	21 36.0	56 45	.014	3	0
1093	98.74	4.43	21 32.0	57 25	.034	4	0
1094	98.76	14.15	20 32.0	63 50	.002	5	297
1095	98.78	2.61	21 41.0	56 5	.012	4	0
1096	98.83	4.91	21 30.0	57 50	.001	3	0
1097	98.83	1.80	21 45.0	55 30	.003	4	254
1098	98.84	4.34	21 33.0	57 25	.025	3	0
1099	98.88	3.97	21 35.0	57 10	.008	5	0
1100	98.89	13.96	20 34.0	63 50	.007	5	298
1101	98.90	3.39	21 38.0	56 45	.095	3	0
1102	98.93	4.82	21 31.0	57 50	.008	5	0
1103	98.96	3.01	21 40.1	56 30	.003	6	0
1104	99.00	2.97	21 40.5	56 30	.006	4	0
1105	99.05	4.04	21 35.6	57 20	.008	4	0
1106	99.16	3.05	21 41.0	56 40	.009	4	0
1107	99.17	-.06	21 55.0	54 15	11.000	1	0
1108	99.40	6.45	21 25.0	59 20	.046	3	257
1109	99.43	1.42	21 50.0	55 35	.150	2	0
1110	99.51	4.07	21 38.0	57 40	.007	4	0
1111	99.51	4.07	21 38.0	57 40	.002	6	0
1112	99.52	4.29	21 37.0	57 50	.013	4	0
1113	99.56	3.10	21 43.0	56 58	.002	5	0
1114	99.58	2.05	21 48.0	56 10	.016	4	0
1115	99.63	2.76	21 45.0	56 45	.002	5	0
1116	99.66	4.84	21 35.0	58 20	.034	3	0
1117	99.69	4.47	21 37.0	58 5	.004	5	0
1118	99.78	2.94	21 45.0	56 59	.001	5	0
1119	99.83	9.11	21 12.0	61 30	.010	5	366
1120	99.85	2.80	21 46.0	56 55	.001	5	0
1121	99.87	4.27	21 39.0	58 3	.008	5	0
1122	99.90	14.89	20 32.0	65 10	.041	4	299
1123	99.90	4.51	21 38.0	58 15	.003	5	0
1124	99.93	4.15	21 40.0	58 0	.015	5	258
1125	99.95	8.98	21 13.5	61 30	.010	5	256

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1126	99.95	4.57	21 38.0	58 20	.006	5	0
1127	100.09	4.45	21 39.4	58 20	.004	5	0
1128	100.15	4.40	21 40.0	58 20	.015	5	0
1129	100.22	3.46	21 45.0	57 40	.041	3	0
1130	100.29	3.95	21 43.0	58 5	.012	4	0
1131	100.67	5.28	21 38.5	59 20	.046	3	0
1132	100.76	4.10	21 45.0	58 30	.003	4	372
1133	100.91	.80	22 1.0	56 0	.248	3	0
1134	101.25	5.66	21 40.0	60 0	2.630	1	0
1135	101.34	6.13	21 38.0	60 25	.054	3	0
1136	101.47	5.14	21 44.0	59 45	.012	5	0
1137	101.48	3.94	21 50.0	58 50	.018	5	252
1138	101.48	3.94	21 50.0	58 50	.018	4	373
1139	101.57	3.23	21 54.0	58 20	.015	5	0
1140	101.60	6.24	21 39.0	60 40	.240	2	0
1141	101.67	3.36	21 54.0	58 30	.010	4	0
1142	101.98	3.54	21 55.0	58 50	.002	5	0
1143	102.03	3.40	21 56.0	58 45	.020	6	0
1144	102.04	4.84	21 49.0	59 53	.027	5	0
1145	102.05	8.31	21 30.0	62 30	.183	3	255
1146	102.05	8.31	21 30.0	62 30	.183	3	365
1147	102.08	15.37	20 40.0	67 10	.127	3	300
1148	102.08	15.37	20 40.0	67 10	.015	6	300
1149	102.12	3.50	21 56.0	58 53	.015	4	0
1150	102.25	-.45	22 14.0	55 45	.007	3	368
1151	102.29	3.31	21 58.0	58 50	.027	3	0
1152	102.31	16.22	20 34.0	67 50	.025	5	302
1153	102.34	3.16	21 59.0	58 45	.079	5	0
1154	102.49	-.35	22 15.0	55 58	.007	3	367
1155	102.54	15.32	20 43.0	67 30	.006	6	300
1156	102.58	-.97	22 18.0	55 30	.043	2	369
1157	102.59	15.83	20 39.0	67 50	.005	5	301
1158	102.59	15.25	20 44.0	67 30	.111	4	300
1159	102.73	2.36	22 5.0	58 20	2.790	1	0
1160	102.76	2.85	22 3.0	58 45	.019	3	0
1161	102.79	-.65	22 18.0	55 53	.006	3	369
1162	102.83	10.83	21 19.0	64 50	.004	3	290
1163	102.93	-.70	22 19.0	55 55	.007	2	369
1164	103.07	2.83	22 5.0	58 55	.019	6	0
1165	103.07	2.73	22 5.5	58 50	.019	6	409
1166	103.21	3.25	22 4.0	59 20	.001	6	253
1167	103.23	13.39	21 3.0	66 50	.062	2	304
1168	103.25	14.28	20 56.0	67 25	.003	5	305
1169	103.46	3.27	22 5.5	59 30	.004	5	410
1170	103.56	13.91	21 1.0	67 25	.215	3	304

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1171	103.65	14.95	20 53.0	68 8	.002	5	303
1172	103.69	13.89	21 2.0	67 30	.010	6	304
1173	103.82	13.74	21 4.0	67 30	.006	5	304
1174	104.08	14.21	21 2.0	68 0	.294	4	304
1175	104.70	3.62	22 12.0	60 30	.015	3	0
1176	104.85	11.21	21 30.0	66 30	.446	1	288
1177	105.14	13.12	21 18.0	68 3	.005	4	287
1178	105.17	5.23	22 7.5	62 5	.005	5	251
1179	105.20	1.25	22 25.5	58 47	.002	5	0
1180	105.26	1.47	22 25.0	59 0	7.000	1	0
1181	105.28	10.03	21 41.0	65 55	.008	4	289
1182	105.32	4.61	22 11.5	61 40	.004	5	250
1183	105.33	10.09	21 41.0	66 0	.090	2	289
1184	105.42	3.14	22 19.0	60 30	.124	3	0
1185	105.45	1.16	22 27.5	58 50	.006	6	0
1186	105.49	4.76	22 12.0	61 53	.005	5	247
1187	105.50	-.98	22 36.0	57 0	.145	3	411
1188	105.57	4.24	22 15.0	61 30	.398	3	0
1189	105.62	-1.05	22 37.0	57 0	.473	2	411
1190	105.64	1.10	22 29.0	58 53	.004	4	0
1191	105.70	4.96	22 12.5	62 10	.004	5	248
1192	105.70	.43	22 32.0	58 20	.007	5	0
1193	105.75	4.93	22 13.0	62 10	.002	5	249
1194	105.84	.93	22 31.0	58 50	.009	3	0
1195	106.31	3.17	22 25.0	61 0	.017	5	0
1196	106.31	3.17	22 25.0	61 0	.029	4	306
1197	106.32	.46	22 36.0	58 40	.009	6	0
1198	106.45	.96	22 35.0	59 10	.054	2	0
1199	106.50	12.21	21 35.0	68 20	.235	2	286
1200	107.15	-.17	22 44.0	58 30	.020	5	0
1201	107.21	5.26	22 22.0	63 15	.009	3	307
1202	107.28	4.73	22 25.0	62 50	.004	5	307
1203	107.33	4.60	22 26.0	62 45	.016	3	307
1204	107.37	4.87	22 25.0	63 0	2.500	2	307
1205	107.93	1.29	22 44.0	60 10	.095	2	0
1206	108.17	5.75	22 27.0	64 10	.083	3	0
1207	108.26	5.69	22 28.0	64 10	.047	2	0
1208	108.36	5.63	22 29.0	64 10	.018	1	307
1209	108.44	5.98	22 28.0	64 30	.111	1	0
1210	108.59	2.82	22 43.0	61 50	.011	4	0
1211	108.84	2.79	22 45.0	61 55	.011	5	0
1212	108.96	2.76	22 46.0	61 57	.014	3	0
1213	108.97	6.44	22 30.0	65 10	.006	5	0
1214	109.32	6.62	22 32.0	65 30	.256	1	0
1215	109.33	2.45	22 50.0	61 50	.021	5	0

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1216	109.40	2.60	22 50.0	62 0	.142	4	0
1217	110.47	11.83	22 12.0	70 30	.186	3	352
1218	110.47	2.09	23 .0	62 0	1.590	3	0
1219	110.51	12.11	22 10.5	70 45	.003	5	352
1220	110.51	1.62	23 2.0	61 35	.006	4	0
1221	110.59	9.65	22 27.0	68 45	.020	5	284
1222	110.59	1.49	23 3.0	61 30	.002	4	0
1223	110.79	4.15	22 55.0	64 0	1.010	1	0
1224	111.29	3.37	23 2.0	63 30	.016	3	0
1225	111.30	1.01	23 10.0	61 20	.036	4	0
1226	111.33	1.72	23 8.0	62 0	.009	4	0
1227	111.35	1.77	23 8.0	62 3	.008	5	0
1228	111.63	20.14	21 .0	77 20	.086	1	350
1229	111.66	1.28	23 12.0	61 43	.004	5	0
1230	111.67	1.31	23 12.0	61 45	.002	5	0
1231	111.85	.44	23 16.0	61 0	.013	5	0
1232	111.91	.95	23 15.0	61 30	.004	4	0
1233	112.04	1.51	23 14.3	62 4	.001	6	0
1234	112.14	1.54	23 15.0	62 8	.004	6	0
1235	112.17	13.92	22 14.0	73 10	.037	6	351
1236	112.48	8.52	22 51.0	68 40	.044	4	285
1237	112.80	1.51	23 20.4	62 20	.004	4	0
1238	112.99	-1.54	23 30.0	59 30	14.000	2	0
1239	113.01	5.14	23 10.3	65 48	.005	5	267
1240	113.02	5.53	23 9.0	66 10	.126	2	268
1241	113.03	17.51	21 50.0	76 30	1.380	1	349
1242	113.08	13.14	22 30.0	73 0	.793	3	351
1243	113.10	15.64	22 10.0	75 5	.081	3	353
1244	113.14	1.57	23 23.0	62 30	.007	4	0
1245	113.30	-.58	23 30.0	60 30	.070	3	0
1246	113.41	2.35	23 23.0	63 20	.002	6	0
1247	113.60	15.20	22 20.0	75 0	.167	4	353
1248	113.75	.84	23 30.0	62 0	4.260	2	0
1249	114.24	-2.77	23 42.0	58 40	.047	1	0
1250	114.35	5.91	23 20.0	67 0	2.630	1	266
1251	114.45	14.68	22 35.0	75 0	.195	5	354
1252	115.47	1.37	23 43.0	63 0	.181	3	0
1253	115.67	-3.55	23 54.0	58 15	.009	6	382
1254	115.72	-3.30	23 54.0	58 30	.152	3	382
1255	115.73	-1.51	23 51.0	60 15	.001	5	0
1256	115.87	-2.06	23 53.0	59 45	.161	3	0
1257	116.04	-2.47	23 55.0	59 23	.029	5	0
1258	116.21	-2.56	23 56.5	59 20	.010	2	0
1259	116.86	12.46	23 21.0	74 0	.035	2	355
1260	117.10	2.70	23 54.5	64 40	.004	4	269

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1261	117.12	12.37	23 25.0	74 0	.030	4	355
1262	117.12	12.37	23 25.0	74 0	.066	6	355
1263	117.13	2.59	23 55.0	64 34	.002	5	270
1264	117.40	6.05	23 50.0	68 0	.102	2	271
1265	117.40	-3.55	0 7.0	58 35	.003	3	374
1266	117.65	4.97	23 55.0	67 0	2.540	2	271
1267	117.83	4.42	23 58.0	66 30	.019	3	271
1268	117.87	5.09	23 57.0	67 10	.158	4	271
1269	117.91	4.79	23 58.0	66 53	.025	4	271
1270	118.01	4.77	23 59.0	66 53	.009	4	271
1271	118.03	4.89	23 59.0	67 0	.010	5	271
1272	118.13	4.87	0 .0	67 0	8.690	1	271
1273	118.37	6.09	0 .0	68 15	.199	2	271
1274	118.43	8.55	23 55.0	70 40	.032	4	356
1275	118.54	4.96	0 4.0	67 10	.020	5	271
1276	118.59	1.49	0 10.0	63 45	.004	2	272
1277	118.70	1.47	0 11.0	63 45	.007	3	272
1278	118.89	1.27	0 13.0	63 35	.017	3	273
1279	119.10	1.16	0 15.0	63 30	.025	4	380
1280	119.18	.02	0 17.0	62 23	.019	4	377
1281	119.23	1.31	0 16.0	63 40	.006	4	381
1282	119.31	-.87	0 19.0	61 30	.016	4	376
1283	119.42	-.95	0 20.0	61 26	.008	3	375
1284	119.47	.52	0 19.0	62 55	.010	2	378
1285	119.81	.48	0 22.0	62 55	.013	2	379
1286	120.65	-3.85	0 32.0	58 40	.060	2	403
1287	121.08	.62	0 33.0	63 10	.021	4	399
1288	121.46	3.27	0 35.0	65 50	.342	2	277
1289	121.55	26.09	21 50.0	88 10	.012	2	346
1290	121.65	-1.73	0 39.0	60 50	.013	5	399
1291	121.73	-.82	0 39.3	61 45	.004	5	399
1292	121.74	26.16	22 .0	88 20	.466	1	346
1293	121.74	.26	0 39.0	62 50	.011	4	399
1294	121.75	-.57	0 39.4	62 0	.002	5	399
1295	121.75	-10.41	0 42.0	52 10	.029	5	335
1296	121.76	-10.08	0 42.0	52 30	.032	3	336
1297	121.84	-.07	0 40.0	62 30	.061	4	399
1298	121.84	-1.74	0 40.5	60 50	.015	5	399
1299	121.88	-7.11	0 42.2	55 28	.005	5	337
1300	121.91	-1.41	0 41.0	61 10	.008	5	399
1301	121.92	-.39	0 40.8	62 11	.002	5	399
1302	121.92	-.99	0 41.0	61 35	.005	4	399
1303	121.94	2.42	0 40.0	65 0	.700	2	278
1304	122.11	6.91	0 40.0	69 30	4.000	1	357
1305	123.95	4.91	1 .0	67 30	2.680	1	274

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1306	124.17	-.57	1 .0	62 0	11.000	1	399
1307	124.26	2.42	1 2.0	65 0	2.280	3	275
1308	124.51	10.12	1 10.0	72 40	1.570	1	358
1309	124.64	-.55	1 4.0	62 0	.432	2	399
1310	124.80	-3.55	1 4.0	59 0	1.110	2	402
1311	125.25	32.00	11 20.0	85 0	1.660	1	348
1312	125.47	-.66	1 11.0	61 50	.111	4	399
1313	125.74	-1.06	1 13.0	61 25	.036	3	399
1314	125.89	-1.29	1 14.0	61 10	.008	4	399
1315	126.07	.39	1 17.0	62 50	.282	3	399
1316	126.13	-1.27	1 16.0	61 10	.045	3	400
1317	126.53	-.81	1 19.8	61 35	.002	5	399
1318	126.53	-.81	1 19.8	61 35	.002	5	399
1319	126.62	-1.38	1 20.0	61 0	.206	3	400
1320	126.63	24.31	4 .0	85 30	.465	1	345
1321	126.71	31.85	10 30.0	84 30	1.760	1	347
1322	126.74	-1.37	1 21.0	61 0	.004	5	400
1323	126.84	-1.19	1 22.0	61 10	.024	4	399
1324	126.94	-1.01	1 23.0	61 20	.036	4	401
1325	127.15	.52	1 26.5	62 50	.003	5	265
1326	127.24	.54	1 27.3	62 50	.003	5	399
1327	127.29	2.90	1 31.0	65 10	.054	1	280
1328	127.38	4.78	1 35.0	67 0	1.530	1	283
1329	127.42	2.76	1 32.0	65 0	.034	3	281
1330	127.52	2.77	1 33.0	65 0	.019	4	282
1331	127.86	2.07	1 35.0	64 15	.063	1	279
1332	128.75	-.25	1 39.0	61 48	.009	4	264
1333	128.81	13.68	2 21.0	75 15	.007	6	359
1334	128.88	-.32	1 40.0	61 42	.011	3	264
1335	128.89	3.89	1 48.0	65 50	.615	3	276
1336	128.94	4.59	1 50.0	66 30	1.370	3	283
1337	129.12	-.31	1 42.0	61 40	.012	4	264
1338	129.98	.69	1 51.0	62 28	.003	4	261
1339	130.03	.50	1 51.0	62 16	.003	5	396
1340	130.07	11.46	2 26.0	72 44	.001	5	360
1341	130.12	.71	1 52.2	62 27	.002	4	398
1342	130.12	.71	1 52.2	62 27	.002	4	263
1343	130.22	.44	1 52.5	62 10	.021	5	395
1344	130.22	.44	1 52.5	62 10	.021	5	260
1345	130.28	.69	1 53.5	62 24	.015	5	262
1346	130.28	.68	1 53.5	62 23	.015	5	397
1347	130.47	.42	1 54.5	62 5	.045	3	259
1348	130.50	.51	1 55.0	62 10	.045	3	394
1349	131.02	4.65	2 10.0	66 0	1.180	1	283
1350	132.14	-.49	2 5.9	60 45	.004	4	393

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1351	132.33	-.61	2 7.1	60 35	.003	5	393
1352	132.58	6.46	2 31.0	67 10	.017	1	295
1353	133.04	7.56	2 40.0	68 0	2.510	1	291
1354	133.07	.58	2 16.0	61 30	.016	4	393
1355	133.37	8.64	2 48.2	68 50	.007	6	293
1356	133.40	.70	2 19.0	61 30	.079	4	393
1357	133.43	8.42	2 48.0	68 40	.004	6	292
1358	133.45	9.05	2 51.0	69 10	.006	6	294
1359	133.63	1.14	2 22.0	61 50	.061	5	393
1360	134.03	.40	2 23.0	61 0	.011	4	393
1361	134.05	.85	2 24.5	61 25	.011	4	393
1362	134.14	.44	2 24.0	61 0	.004	4	393
1363	134.20	.28	2 24.0	60 50	.011	4	393
1364	134.25	.84	2 26.0	61 20	.015	4	393
1365	134.40	.09	2 25.0	60 35	.093	4	393
1366	134.52	1.12	2 29.0	61 30	.215	3	393
1367	134.56	.69	2 28.0	61 5	.016	4	393
1368	134.64	.82	2 29.0	61 10	.006	3	393
1369	134.76	.86	2 30.0	61 10	.012	3	393
1370	134.87	-.07	2 28.0	60 15	.035	5	393
1371	135.12	.29	2 31.0	60 30	.206	4	393
1372	135.20	1.04	2 34.0	61 10	.027	3	393
1373	135.27	.89	2 34.0	61 0	12.000	2	393
1374	136.00	-1.86	2 31.0	58 10	.011	4	393
1375	136.18	.93	2 41.0	60 40	.029	3	393
1376	136.21	.57	2 40.0	60 20	.019	5	393
1377	139.35	2.78	3 11.0	60 50	.025	4	392
1378	139.69	2.18	3 10.9	60 9	.001	5	391
1379	139.75	2.23	3 11.5	60 10	.002	5	390
1380	139.87	2.08	3 11.7	59 58	.001	5	388
1381	139.92	2.18	3 12.5	60 2	.006	5	389
1382	140.05	2.09	3 13.0	59 53	.010	4	387
1383	140.14	2.18	3 14.0	59 55	.003	4	386
1384	140.40	2.24	3 16.0	59 50	.068	4	385
1385	140.61	2.14	3 17.0	59 38	.004	5	383
1386	140.81	2.11	3 18.2	59 30	.008	5	384
1387	146.62	1.90	3 52.5	55 55	.028	4	313
1388	146.83	3.05	3 59.0	56 40	.007	4	312
1389	146.92	3.26	4 .5	56 46	.002	6	311
1390	148.56	2.36	4 5.0	55 0	.952	3	315
1391	148.65	-.20	3 54.0	53 0	1.370	1	314
1392	149.09	2.84	4 10.0	55 0	.034	5	315
1393	149.22	2.50	4 9.0	54 40	.018	5	315
1394	149.29	3.26	4 13.0	55 10	.184	5	315
1395	149.78	2.11	4 10.0	54 0	1.460	2	315

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1396	149.82	3.53	4 17.0	55 0	.070	3	315
1397	150.00	3.35	4 17.0	54 45	.018	5	315
1398	150.08	2.85	4 15.0	54 20	.490	3	315
1399	150.13	3.84	4 20.0	55 0	.163	5	315
1400	150.35	3.82	4 21.0	54 50	.011	3	315
1401	150.46	4.31	4 24.0	55 6	.017	5	316
1402	150.48	3.48	4 20.0	54 30	.172	4	315
1403	150.52	4.35	4 24.5	55 5	.003	5	317
1404	150.61	4.56	4 26.0	55 10	.025	5	318
1405	151.01	4.98	4 30.0	55 10	.172	4	319
1406	151.30	5.49	4 34.0	55 18	.005	5	319
1407	151.34	3.87	4 26.0	54 10	.130	5	326
1408	151.36	4.25	4 28.0	54 25	.156	3	326
1409	151.45	4.96	4 32.0	54 50	.009	4	320
1410	151.51	4.91	4 32.0	54 45	.003	5	321
1411	151.82	4.62	4 32.0	54 20	.009	4	322
1412	151.92	4.73	4 33.0	54 20	.002	5	323
1413	151.92	4.73	4 33.0	54 20	.002	5	322
1414	152.35	3.72	4 30.0	53 20	.201	3	327
1415	152.41	5.27	4 38.0	54 20	.064	3	328
1416	152.46	4.83	4 36.0	54 0	.007	5	324
1417	152.68	4.83	4 37.0	53 50	.005	5	325
1418	152.96	3.15	4 30.0	52 30	2.600	2	327
1419	153.01	6.48	4 47.0	54 40	.079	2	328
1420	153.09	2.81	4 29.0	52 10	.002	5	327
1421	153.28	2.64	4 29.0	51 55	.009	5	327
1422	153.33	5.83	4 45.0	54 0	1.130	1	328
1423	153.52	4.89	4 41.0	53 15	.001	5	327
1424	153.58	4.83	4 41.0	53 10	.006	5	327
1425	153.81	4.84	4 42.0	53 0	.093	4	327
1426	153.90	4.95	4 43.0	53 0	.019	5	327
1427	153.92	4.33	4 40.0	52 35	.005	4	327
1428	153.98	4.28	4 40.0	52 30	.005	4	327
1429	154.76	4.41	4 44.0	52 0	.032	5	329
1430	154.83	4.56	4 45.0	52 3	.009	5	331
1431	154.83	4.36	4 44.0	51 55	.010	5	330
1432	155.16	4.88	4 48.0	52 0	.019	4	334
1433	155.19	4.66	4 47.0	51 50	.019	5	333
1434	155.36	-14.68	3 33.0	37 30	.704	3	190
1435	155.45	4.44	4 47.0	51 30	.145	4	332
1436	155.62	4.91	4 50.0	51 40	.312	3	334
1437	155.89	5.77	4 55.4	52 0	.003	5	310
1438	155.95	5.04	4 52.0	51 30	.171	4	334
1439	156.04	5.96	4 57.0	52 0	.012	5	310
1440	156.24	-9.09	3 54.5	41 20	.027	4	188

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1441	156.50	-8.76	3 56.7	41 25	.027	5	188
1442	156.75	-11.93	3 47.0	38 50	.316	4	188
1443	157.04	-9.29	3 57.0	40 40	1.650	2	188
1444	157.08	-.72	4 30.0	46 50	.539	2	412
1445	157.15	-1.14	4 28.5	46 30	.084	5	412
1446	157.30	-13.85	3 43.0	37 0	.294	3	189
1447	157.47	-8.92	4 .0	40 40	.653	4	188
1448	157.99	-21.54	3 23.0	30 30	.053	4	174
1449	158.08	-12.58	3 50.0	37 30	2.300	3	188
1450	158.21	-20.55	3 26.5	31 10	.009	5	174
1451	158.31	-21.94	3 23.0	30 0	.140	4	174
1452	158.36	-21.28	3 25.0	30 30	1.660	3	174
1453	158.42	-33.93	2 53.2	20 5	.066	4	159
1454	158.66	-33.89	2 54.0	20 0	.860	3	159
1455	158.68	-21.68	3 25.0	30 0	.025	5	174
1456	158.72	-12.71	3 52.0	37 0	.044	3	188
1457	158.87	-34.58	2 53.0	19 20	.262	4	159
1458	158.90	-33.76	2 55.0	20 0	.056	4	159
1459	158.98	-9.14	4 5.0	39 30	9.730	1	188
1460	159.50	11.60	5 40.0	52 20	.181	3	309
1461	159.53	-1.01	4 38.3	44 50	.050	3	414
1462	159.61	-12.18	3 57.0	36 50	.030	5	188
1463	159.82	-12.11	3 58.0	36 45	.027	3	188
1464	159.87	-12.35	3 57.4	36 32	.004	5	188
1465	159.94	1.11	4 49.0	45 55	.077	3	413
1466	159.96	12.05	5 44.0	52 10	.124	4	309
1467	160.04	12.18	5 45.0	52 10	.029	3	309
1468	160.04	-19.11	3 37.0	31 15	.120	5	174
1469	160.26	-12.05	3 59.8	36 30	.006	4	188
1470	160.29	-18.39	3 40.0	31 40	.403	5	174
1471	160.39	-16.91	3 44.8	32 45	.097	5	174
1472	160.39	-19.17	3 38.0	31 0	3.580	4	174
1473	160.45	-9.84	4 8.0	38 0	.148	4	188
1474	160.95	-.66	4 45.0	44 0	4.640	1	414
1475	161.87	2.03	5 .0	45 0	.368	2	218
1476	162.26	1.72	5 .0	44 30	.106	3	218
1477	162.66	1.42	5 .0	44 0	.278	4	218
1478	162.89	-8.89	4 20.0	37 0	4.440	3	188
1479	163.09	-5.04	4 35.0	39 30	1.530	1	219
1480	163.27	1.39	5 2.0	43 30	.097	2	218
1481	164.22	-5.78	4 36.0	38 10	.553	3	187
1482	164.69	-9.21	4 25.0	35 30	.130	1	188
1483	165.05	-7.61	4 32.0	36 20	.217	4	186
1484	165.55	-17.54	4 .0	29 0	.445	1	169
1485	165.88	-7.81	4 34.0	35 35	.316	1	186

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1486	166.38	-16.79	4 5.0	29 0	.480	1	169
1487	166.72	-8.01	4 36.0	34 50	.940	3	186
1488	167.22	-4.69	4 50.0	36 37	.568	2	184
1489	167.78	-19.21	4 1.7	26 20	.027	5	169
1490	167.85	-5.55	4 48.7	35 35	.075	4	185
1491	167.90	-19.35	4 1.6	26 9	.004	5	169
1492	167.94	-6.35	4 46.0	35 0	1.250	1	186
1493	168.15	-5.19	4 51.0	35 35	.463	2	185
1494	168.48	-5.49	4 50.9	35 8	.011	4	185
1495	169.11	-16.28	4 15.0	27 30	2.600	5	169
1496	169.43	-9.24	4 40.0	32 0	.710	3	173
1497	169.76	-14.15	4 24.0	28 30	.725	2	169
1498	169.97	-19.26	4 8.0	24 50	.118	5	169
1499	170.01	-19.46	4 7.5	24 40	.072	3	169
1500	170.03	-12.62	4 30.0	29 20	.972	3	169
1501	170.51	-18.50	4 12.0	25 0	1.200	2	169
1502	170.55	-4.73	5 .0	34 0	.484	1	407
1503	170.70	-11.11	4 37.2	29 50	.008	5	169
1504	170.82	-10.98	4 38.0	29 50	.336	1	169
1505	170.91	-9.07	4 45.0	31 0	1.050	1	173
1506	171.20	-17.56	4 17.0	25 10	.334	6	169
1507	171.24	-10.76	4 40.0	29 40	.090	5	169
1508	171.47	-11.52	4 38.0	29 0	.183	3	169
1509	171.54	2.24	5 30.8	37 15	.108	3	182
1510	171.56	-2.13	5 13.0	34 45	.252	3	406
1511	171.58	-17.90	4 17.0	24 40	.300	3	169
1512	171.63	-5.43	5 .5	32 43	.016	6	172
1513	171.65	-8.57	4 49.0	30 45	.057	4	173
1514	171.68	-11.27	4 39.5	29 0	.050	4	169
1515	171.72	-8.35	4 50.0	30 50	.147	3	173
1516	172.18	-.82	5 20.0	35 0	5.620	1	406
1517	172.26	-8.22	4 52.0	30 30	.051	6	173
1518	172.32	2.97	5 36.0	37 0	4.600	1	182
1519	172.33	-8.14	4 52.5	30 30	.063	4	173
1520	172.42	-11.45	4 41.0	28 20	.398	1	169
1521	172.60	-14.83	4 30.0	26 0	4.100	4	169
1522	172.65	-5.28	5 4.0	32 0	.018	4	171
1523	172.79	-5.65	5 3.0	31 40	.017	6	170
1524	172.99	-16.67	4 25.0	24 30	.324	5	169
1525	173.19	3.04	5 38.6	36 18	.006	4	182
1526	173.23	-.21	5 25.3	34 29	.003	4	183
1527	173.38	-13.70	4 36.0	26 10	.010	6	169
1528	173.47	-14.36	4 34.0	25 40	2.000	3	169
1529	173.75	-16.09	4 29.0	24 20	.223	5	169
1530	173.83	-1.96	5 20.0	33 0	.045	3	406

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1531	173.84	-16.17	4 29.0	24 13	.014	3	169
1532	173.92	-13.85	4 37.0	25 40	.112	4	169
1533	174.02	-15.05	4 33.2	24 49	.011	5	169
1534	174.05	-13.95	4 37.0	25 30	.870	5	169
1535	174.71	-15.83	4 32.5	23 48	.111	6	169
1536	174.96	-16.79	4 30.0	23 0	1.500	4	405
1537	175.00	-11.51	4 48.0	26 20	.382	3	169
1538	175.34	-13.23	4 43.0	25 0	3.000	4	169
1539	175.58	-10.53	4 53.0	26 30	2.230	1	169
1540	176.61	-9.90	4 58.0	26 5	.282	4	169
1541	176.91	-15.05	4 41.0	22 40	.352	1	168
1542	177.08	-10.25	4 58.0	25 30	.626	3	169
1543	177.50	-20.52	4 24.5	18 45	.090	5	158
1544	177.76	-9.91	5 1.0	25 10	.109	6	169
1545	178.04	-6.99	5 12.2	26 40	.052	3	166
1546	178.08	-20.52	4 26.0	18 20	.370	4	158
1547	178.42	-7.04	5 13.0	26 20	.049	5	166
1548	178.56	-7.14	5 13.0	26 10	.061	4	166
1549	178.69	-6.95	5 14.0	26 10	.079	4	166
1550	178.70	4.17	5 57.0	32 10	.041	3	180
1551	178.76	-20.28	4 28.5	18 0	.043	6	158
1552	178.90	-6.94	5 14.6	26 0	.009	6	166
1553	178.95	-6.59	5 16.0	26 10	.087	2	166
1554	179.06	-6.42	5 16.9	26 10	.005	4	166
1555	179.10	4.18	5 58.0	31 50	.090	4	180
1556	180.68	-19.90	4 34.5	16 50	.050	5	157
1557	181.23	4.21	6 3.0	30 0	1.040	3	179
1558	181.86	-18.19	4 43.0	17 0	.713	2	156
1559	182.48	-7.06	5 23.0	23 0	1.350	1	167
1560	183.72	4.58	6 10.0	28 0	2.300	2	179
1561	186.71	-20.07	4 48.0	12 12	.274	1	148
1562	186.79	-16.84	4 59.0	14 0	.152	3	147
1563	187.00	-16.98	4 59.0	13 45	.052	5	147
1564	188.45	3.30	6 15.0	23 15	.033	4	164
1565	188.70	3.94	6 18.0	23 20	.252	1	165
1566	188.85	3.86	6 18.0	23 10	.000	3	165
1567	188.86	4.24	6 19.5	23 20	.000	3	165
1568	189.21	4.19	6 20.0	23 0	.000	3	165
1569	189.35	-36.87	3 58.5	0 30	.631	2	103
1570	190.63	-.84	6 4.0	19 20	.020	4	415
1571	191.10	-16.97	5 8.0	10 30	.213	3	149
1572	191.10	-16.97	5 8.0	10 30	.079	4	149
1573	191.21	-11.23	5 28.0	13 30	1.040	2	150
1574	191.45	-1.08	6 4.8	18 30	.022	4	415
1575	191.45	-1.08	6 4.8	18 30	.022	4	127

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1576	191.81	-1.12	6 5.4	18 10	.049	4	415
1577	191.95	-11.97	5 27.0	12 30	.412	4	150
1578	191.96	-1.18	6 5.5	18 0	.049	4	127
1579	192.16	-9.24	5 37.0	13 45	.317	1	150
1580	192.18	-10.97	5 31.0	12 50	.222	1	150
1581	192.18	-12.23	5 26.6	12 10	.001	5	150
1582	192.21	-11.56	5 29.0	12 30	.011	5	150
1583	192.25	-12.44	5 26.0	12 0	.057	5	150
1584	192.40	-11.73	5 28.8	12 15	.014	4	150
1585	192.65	-9.25	5 38.0	13 20	.059	3	150
1586	193.41	-2.69	6 3.0	16 0	7.310	1	415
1587	193.65	-2.27	6 5.0	16 0	7.310	1	127
1588	194.39	-16.05	5 18.0	8 20	.159	3	109
1589	194.95	-17.08	5 15.6	7 20	.027	2	110
1590	195.28	-16.57	5 18.0	7 20	.850	4	110
1591	195.92	-2.99	6 7.0	13 40	.068	3	415
1592	195.92	-2.99	6 7.0	13 40	.068	3	415
1593	195.92	-2.99	6 7.0	13 40	.068	3	127
1594	196.94	-10.62	5 42.0	9 0	.059	5	113
1595	196.96	-15.52	5 25.0	6 30	1.070	2	110
1596	197.07	-10.41	5 43.0	9 0	.041	4	113
1597	197.93	-9.61	5 47.5	8 40	.032	4	112
1598	198.49	-9.30	5 49.7	8 20	.072	5	111
1599	198.89	-10.30	5 47.0	7 30	.181	4	114
1600	198.95	1.18	6 28.0	13 0	.396	3	5
1601	199.35	.69	6 27.0	12 25	.066	5	5
1602	199.59	-12.12	5 42.0	6 0	.378	4	416
1603	199.59	-12.12	5 42.0	6 0	.378	4	115
1604	199.90	.12	6 26.0	11 40	.008	5	5
1605	201.24	.52	6 30.0	10 40	1.250	4	5
1606	201.26	-.32	6 27.0	10 15	.043	4	5
1607	201.30	-.06	6 28.0	10 20	.015	5	5
1608	201.55	1.47	6 34.0	10 50	.045	5	5
1609	201.79	1.20	6 33.5	10 30	.016	5	5
1610	201.98	1.57	6 35.2	10 30	.019	5	5
1611	202.46	-9.13	5 58.0	5 0	.233	3	107
1612	203.00	-8.86	6 .0	4 40	.079	3	116
1613	203.19	1.72	6 38.0	9 30	.000	3	5
1614	203.26	-16.69	5 33.0	-0 40	.004	5	105
1615	203.28	-25.27	5 3.0	-3 30	.084	2	74
1616	203.42	-25.05	5 4.0	-3 30	.016	5	74
1617	203.51	-11.41	5 52.0	3 0	7.750	3	115
1618	203.66	-8.36	6 3.0	4 20	.172	4	115
1619	203.68	-8.66	6 2.0	4 10	.038	5	115
1620	203.84	-16.72	5 34.0	-0 10	.012	5	106

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1621	204.16	-11.64	5 52.4	2 20	.027	4	107
1622	204.41	-11.89	5 52.0	2 0	.122	6	107
1623	204.64	-8.32	6 5.0	3 30	.131	1	115
1624	204.77	-11.23	5 55.0	2 0	.000	2	107
1625	204.79	-2.75	6 25.0	6 0	19.400	1	5
1626	204.97	1.91	6 42.0	8 0	1.170	3	5
1627	205.23	-14.60	5 44.0	0 0	.063	6	104
1628	205.68	-7.46	6 10.0	3 0	3.360	2	115
1629	205.77	-8.35	6 7.0	2 30	1.180	3	115
1630	206.02	-15.29	5 43.0	-1 0	5.980	4	104
1631	206.32	1.07	6 41.5	6 25	.023	4	117
1632	206.36	-11.50	5 57.0	0 30	2.350	1	107
1633	206.65	-4.58	6 22.0	3 30	.106	4	115
1634	207.22	-23.51	5 16.0	-5 50	.492	2	75
1635	207.48	-17.28	5 38.6	-3 10	.008	4	76
1636	207.53	-17.22	5 38.9	-3 11	.003	4	77
1637	208.41	-.15	6 41.0	4 0	.964	2	5
1638	208.84	-13.34	5 55.0	-2 30	2.390	2	108
1639	208.88	1.84	6 49.0	4 30	.970	3	5
1640	209.06	-20.19	5 31.0	-5 50	.018	5	78
1641	210.64	-19.83	5 35.0	-7 0	6.270	4	78
1642	210.77	-36.72	4 33.0	-14 20	.372	3	73
1643	211.87	-12.34	6 4.0	-4 40	.845	1	79
1644	212.77	-12.46	6 5.2	-5 30	.007	5	79
1645	212.84	-12.69	6 4.5	-5 40	.052	4	79
1646	213.20	-12.73	6 5.0	-6 0	3.140	3	79
1647	214.09	-20.04	5 40.0	-10 0	4.230	3	78
1648	214.43	-17.46	5 50.0	-9 10	1.850	2	78
1649	217.09	-.54	6 55.6	-3 53	.005	3	80
1650	218.09	-.67	6 57.0	-4 50	.016	2	81
1651	218.40	-11.11	6 20.0	-9 50	.255	2	72
1652	219.00	-10.30	6 24.0	-10 0	1.160	2	71
1653	220.60	-2.42	6 55.4	-7 52	.012	3	83
1654	220.61	-1.97	6 57.0	-7 40	.050	3	82
1655	220.73	-2.82	6 54.2	-8 10	.014	4	84
1656	220.87	-2.92	6 54.1	-8 20	.077	3	84
1657	223.54	-2.11	7 2.0	-10 20	1.080	3	70
1658	225.28	-.24	7 12.0	-11 0	.000	2	69
1659	236.51	-5.22	7 15.5	-23 15	.045	4	17
1660	237.30	-4.99	7 18.0	-23 50	.047	4	17
1661	237.66	-4.66	7 20.0	-24 0	.375	2	17
1662	237.87	-3.21	7 26.0	-23 30	.128	2	17
1663	237.88	-2.17	7 30.0	-23 0	.428	2	15
1664	238.32	-4.49	7 22.0	-24 30	.154	3	17
1665	238.65	-1.81	7 33.0	-23 30	.181	3	15

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1666	239.20	-1.85	7 34.0	-24 0	.027	4	15
1667	239.46	-4.84	7 23.0	-25 40	.418	3	16
1668	239.98	-2.06	7 34.9	-24 47	.020	4	14
1669	246.20	-.78	7 54.0	-29 30	.594	2	7
1670	248.87	-.28	8 2.5	-31 30	.038	1	8
1671	249.46	-.28	8 4.0	-32 0	.142	1	9
1672	349.21	15.45	16 18.0	-28 0	.740	4	10
1673	349.58	13.10	16 27.0	-29 20	.077	3	11
1674	350.05	13.60	16 26.7	-28 40	.009	3	12
1675	350.24	17.32	16 15.0	-26 0	1.100	4	1
1676	350.72	16.83	16 18.0	-26 0	2.860	3	1
1677	350.81	7.61	16 50.0	-32 0	10.160	1	0
1678	351.06	18.68	16 13.0	-24 30	.138	3	18
1679	351.41	5.53	16 59.5	-32 50	.011	3	0
1680	352.26	18.18	16 18.0	-24 0	2.860	4	1
1681	352.71	16.72	16 24.0	-24 40	.206	5	1
1682	352.75	5.09	17 5.0	-32 2	.023	5	0
1683	352.76	16.16	16 26.0	-25 0	2.430	1	1
1684	352.81	15.60	16 28.0	-25 20	.084	4	1
1685	352.84	4.89	17 6.0	-32 5	.004	5	0
1686	352.87	17.23	16 22.8	-24 13	.016	6	1
1687	352.97	18.18	16 20.0	-23 30	3.170	3	1
1688	353.07	17.34	16 23.0	-24 0	.760	4	1
1689	353.24	15.66	16 29.0	-24 59	.007	6	1
1690	353.25	17.25	16 23.8	-23 56	.020	5	1
1691	353.26	3.62	17 12.0	-32 30	.987	3	0
1692	353.28	17.36	16 23.5	-23 50	.007	5	1
1693	353.28	4.16	17 10.0	-32 10	.014	3	0
1694	353.30	4.97	17 7.0	-31 40	.528	3	0
1695	353.33	6.87	17 .0	-30 30	.540	2	0
1696	353.34	16.72	16 25.8	-24 13	.036	6	1
1697	353.35	4.21	17 10.0	-32 5	.027	3	0
1698	353.53	3.82	17 12.0	-32 10	.038	5	0
1699	353.59	3.79	17 12.3	-32 8	.034	5	0
1700	353.69	4.72	17 9.0	-31 30	.535	2	0
1701	353.75	3.71	17 13.0	-32 3	.006	3	0
1702	353.99	3.89	17 13.0	-31 45	.059	3	0
1703	354.06	3.28	17 15.5	-32 3	.008	5	0
1704	354.09	16.74	16 27.8	-23 40	.010	6	1
1705	354.21	3.00	17 17.0	-32 5	.034	5	0
1706	354.23	5.12	17 9.0	-30 50	.950	3	0
1707	354.29	4.90	17 10.0	-30 55	.029	5	0
1708	354.38	5.76	17 7.0	-30 20	.047	4	0
1709	354.43	16.35	16 30.0	-23 40	.099	6	1
1710	354.43	3.02	17 17.5	-31 54	.106	5	0

TABLE I (CONTINUED)

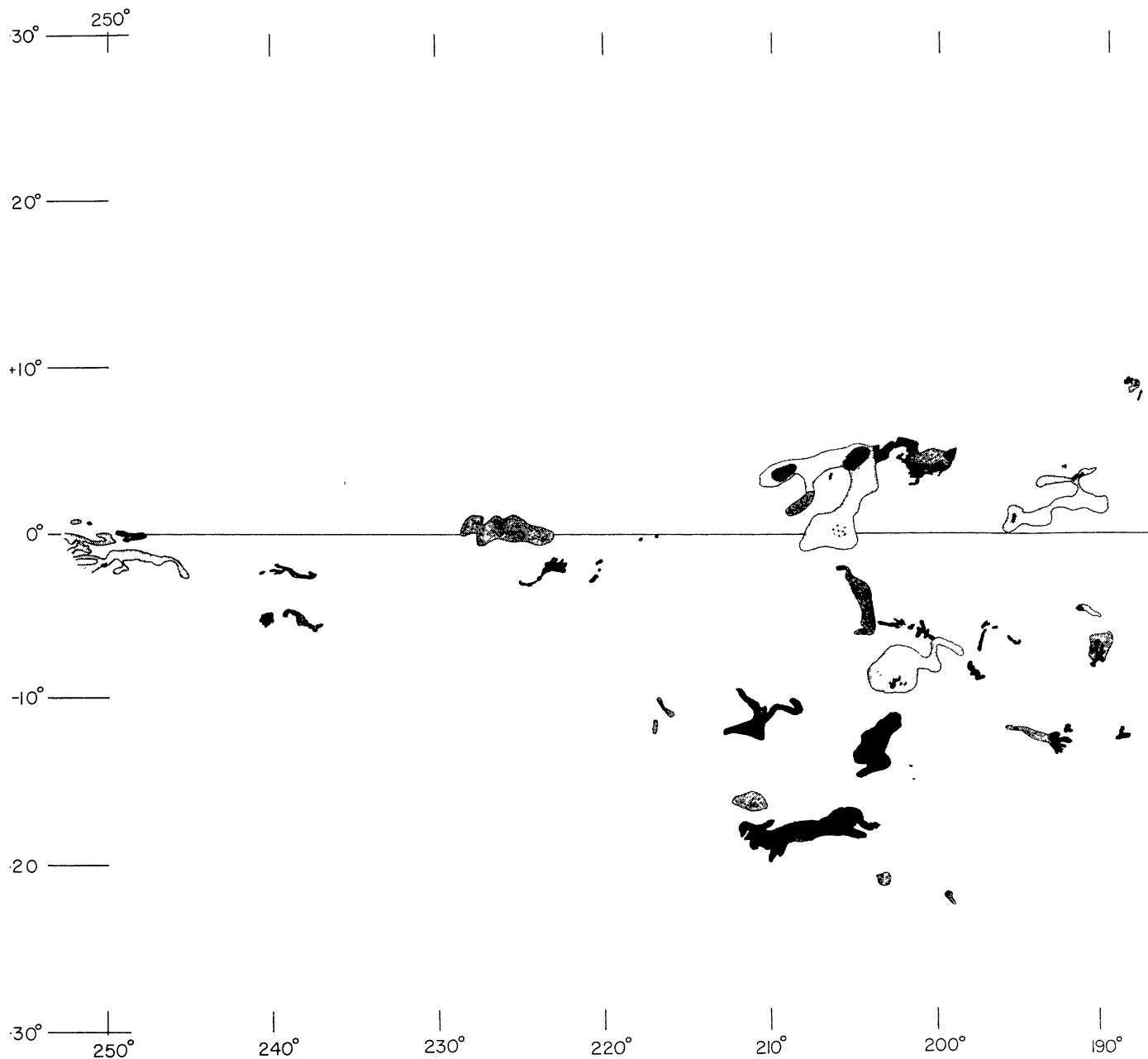
NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1711	354.64	5.69	17 8.0	-30 10	.043	4	0
1712	354.67	15.05	16 35.0	-24 20	1.560	5	1
1713	354.67	5.71	17 8.0	-30 8	.007	4	0
1714	354.70	5.46	17 9.0	-30 15	.006	5	0
1715	354.77	5.51	17 9.0	-30 10	.003	5	0
1716	354.92	6.16	17 7.0	-29 40	.251	3	0
1717	355.08	21.22	16 16.0	-20 0	.357	3	50
1718	355.14	4.98	17 12.0	-30 11	.005	5	0
1719	355.25	21.04	16 17.0	-20 0	.610	5	50
1720	355.28	4.81	17 13.0	-30 10	.093	4	0
1721	355.37	22.41	16 13.0	-19 0	.287	3	51
1722	355.42	4.91	17 13.0	-30 0	7.780	2	0
1723	355.46	1.04	17 28.0	-32 10	.005	5	0
1724	355.51	.94	17 28.5	-32 11	.002	5	0
1725	355.52	4.19	17 16.0	-30 20	.032	5	0
1726	355.58	6.10	17 9.0	-29 10	.093	3	0
1727	355.58	6.10	17 9.0	-29 10	.002	5	0
1728	355.62	6.40	17 8.0	-28 58	.020	3	0
1729	355.69	14.39	16 40.0	-24 0	.900	4	1
1730	355.70	.68	17 30.0	-32 10	1.680	2	0
1731	355.74	7.86	17 3.0	-28 0	1.320	2	13
1732	355.78	1.76	17 26.0	-31 30	.912	2	0
1733	355.80	6.18	17 9.3	-28 57	.018	5	0
1734	355.88	1.01	17 29.2	-31 50	.006	5	0
1735	355.97	1.15	17 28.9	-31 41	.002	5	0
1736	356.00	6.95	17 7.0	-28 20	.038	5	0
1737	356.06	6.72	17 8.0	-28 25	.192	4	0
1738	356.07	1.00	17 29.7	-31 41	.003	5	0
1739	356.14	17.14	16 32.0	-21 55	.093	3	21
1740	356.16	16.80	16 33.2	-22 7	.084	5	20
1741	356.17	3.85	17 19.0	-30 0	17.560	3	0
1742	356.26	6.59	17 9.0	-28 20	.034	4	0
1743	356.53	6.79	17 9.0	-28 0	.510	3	0
1744	356.71	16.09	16 37.0	-22 10	.099	5	19
1745	356.71	13.43	16 46.0	-23 50	.255	4	29
1746	356.94	7.36	17 8.0	-27 20	.306	5	0
1747	357.07	13.12	16 48.0	-23 45	.280	3	1
1748	357.12	13.74	16 46.0	-23 20	.138	2	30
1749	357.12	4.24	17 20.0	-29 0	.117	5	0
1750	357.15	12.89	16 49.0	-23 50	.280	3	29
1751	357.27	2.24	17 28.0	-30 0	1.230	2	0
1752	357.29	19.59	16 27.0	-19 30	1.780	4	50
1753	357.34	-3.50	17 51.0	-33 0	1.270	2	0
1754	357.39	2.06	17 29.0	-30 0	.321	1	0
1755	357.58	15.58	16 41.0	-21 50	.660	4	19

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1756	357.60	6.46	17 13.0	-27 20	.285	5	0
1757	357.61	19.23	16 29.0	-19 30	.061	6	50
1758	357.74	-3.51	17 52.0	-32 40	.010	4	0
1759	357.84	13.39	16 49.1	-23 0	.027	6	31
1760	357.98	-4.58	17 57.0	-33 0	.054	4	0
1761	358.00	12.37	16 53.0	-23 30	.402	2	29
1762	358.04	-5.03	17 59.0	-33 10	.023	4	0
1763	358.13	12.47	16 53.0	-23 20	.402	2	1
1764	358.15	3.62	17 25.0	-28 30	2.160	2	0
1765	358.28	15.81	16 42.0	-21 10	.079	5	19
1766	358.34	-3.88	17 55.0	-32 20	.090	2	0
1767	358.44	6.37	17 15.5	-26 42	.007	5	0
1768	358.54	6.03	17 17.0	-26 49	.013	6	0
1769	358.56	.24	17 39.0	-30 0	12.500	4	0
1770	358.59	19.68	16 30.0	-18 30	.813	3	50
1771	358.68	-5.15	18 1.0	-32 40	.115	4	0
1772	358.69	6.22	17 16.7	-26 35	.016	6	0
1773	358.72	5.89	17 18.0	-26 45	.036	6	0
1774	358.73	5.49	17 19.5	-26 58	.029	6	0
1775	358.75	12.64	16 54.0	-22 45	.008	6	6
1776	358.76	2.70	17 30.0	-28 30	2.450	2	0
1777	358.82	12.69	16 54.0	-22 40	.050	4	6
1778	358.85	36.92	15 37.2	-7 0	.086	5	86
1779	358.97	12.23	16 56.0	-22 50	.090	3	1
1780	359.01	36.78	15 38.0	-7 0	.197	4	86
1781	359.01	21.56	16 25.0	-17 0	1.190	3	49
1782	359.04	17.30	16 39.0	-19 40	.047	6	48
1783	359.07	-3.47	17 55.0	-31 30	.079	2	0
1784	359.08	12.08	16 56.8	-22 50	.027	4	29
1785	359.11	12.04	16 57.0	-22 50	.027	4	1
1786	359.18	-5.45	18 3.4	-32 23	.011	4	0
1787	359.24	12.14	16 57.0	-22 40	.090	3	29
1788	359.24	-2.12	17 50.0	-30 40	.084	3	0
1789	359.24	-5.80	18 5.0	-32 30	.767	3	0
1790	359.26	9.03	17 8.0	-24 30	1.080	3	0
1791	359.31	12.31	16 56.6	-22 31	.017	5	29
1792	359.31	12.31	16 56.6	-22 31	.017	5	1
1793	359.50	5.20	17 22.5	-26 30	1.080	2	0
1794	359.52	4.99	17 23.3	-26 36	.006	5	0
1795	359.55	-2.31	17 51.5	-30 30	.084	4	0
1796	359.59	17.71	16 39.0	-19 0	.344	3	48
1797	359.66	11.87	16 59.0	-22 30	.149	3	26
1798	359.70	-4.57	18 1.0	-31 30	.018	4	0
1799	359.87	16.42	16 44.0	-19 35	.017	4	45
1800	359.87	12.16	16 58.5	-22 10	.015	3	28

TABLE I (CONTINUED)

NO.	L(II)	B(II)	RA	DEC	AREA	OPACITY	ID
1801	359.90	-.96	17 47.0	-29 30	2.770	2	0
1802	359.99	12.02	16 59.3	-22 9	.016	3	27



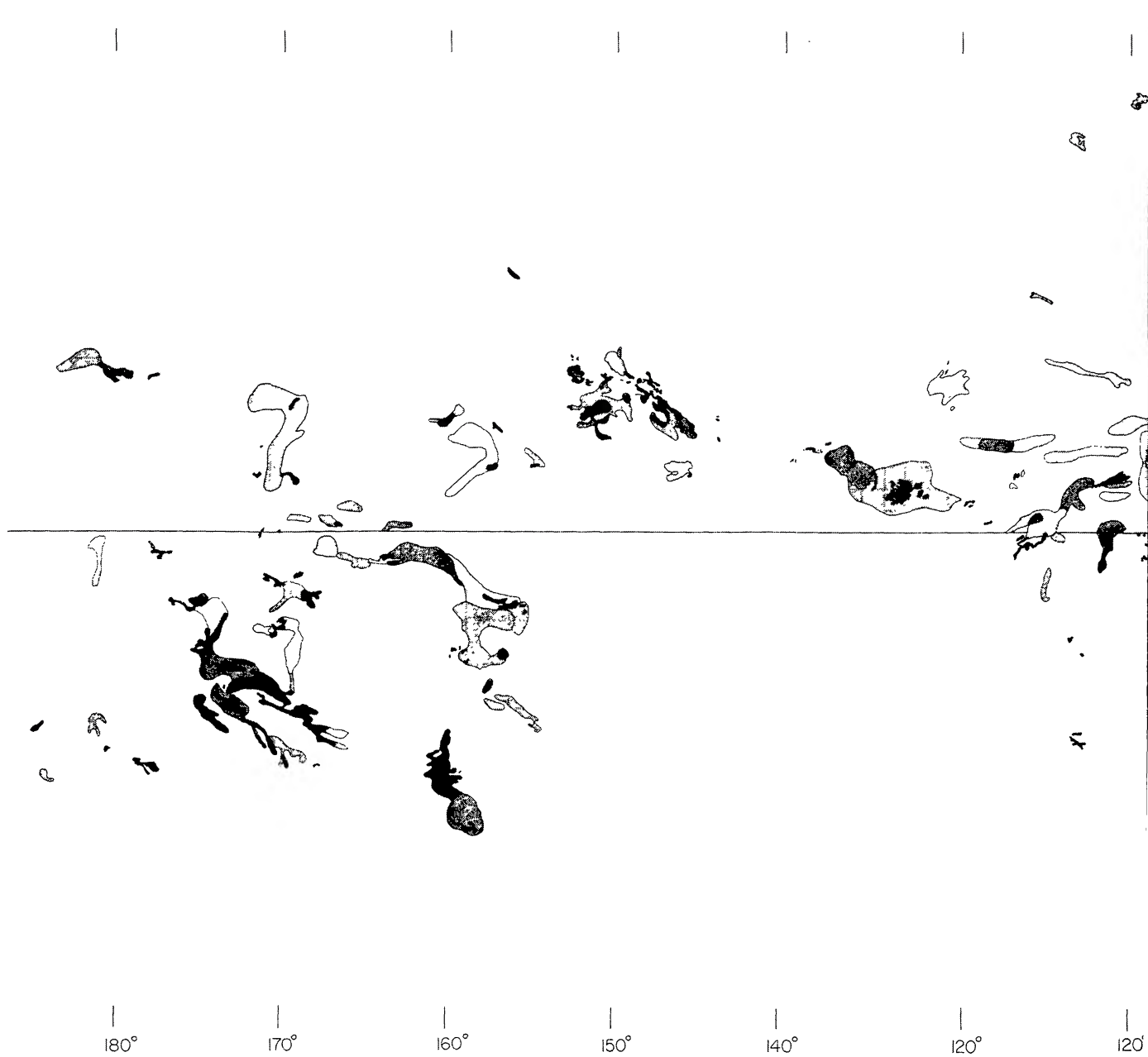
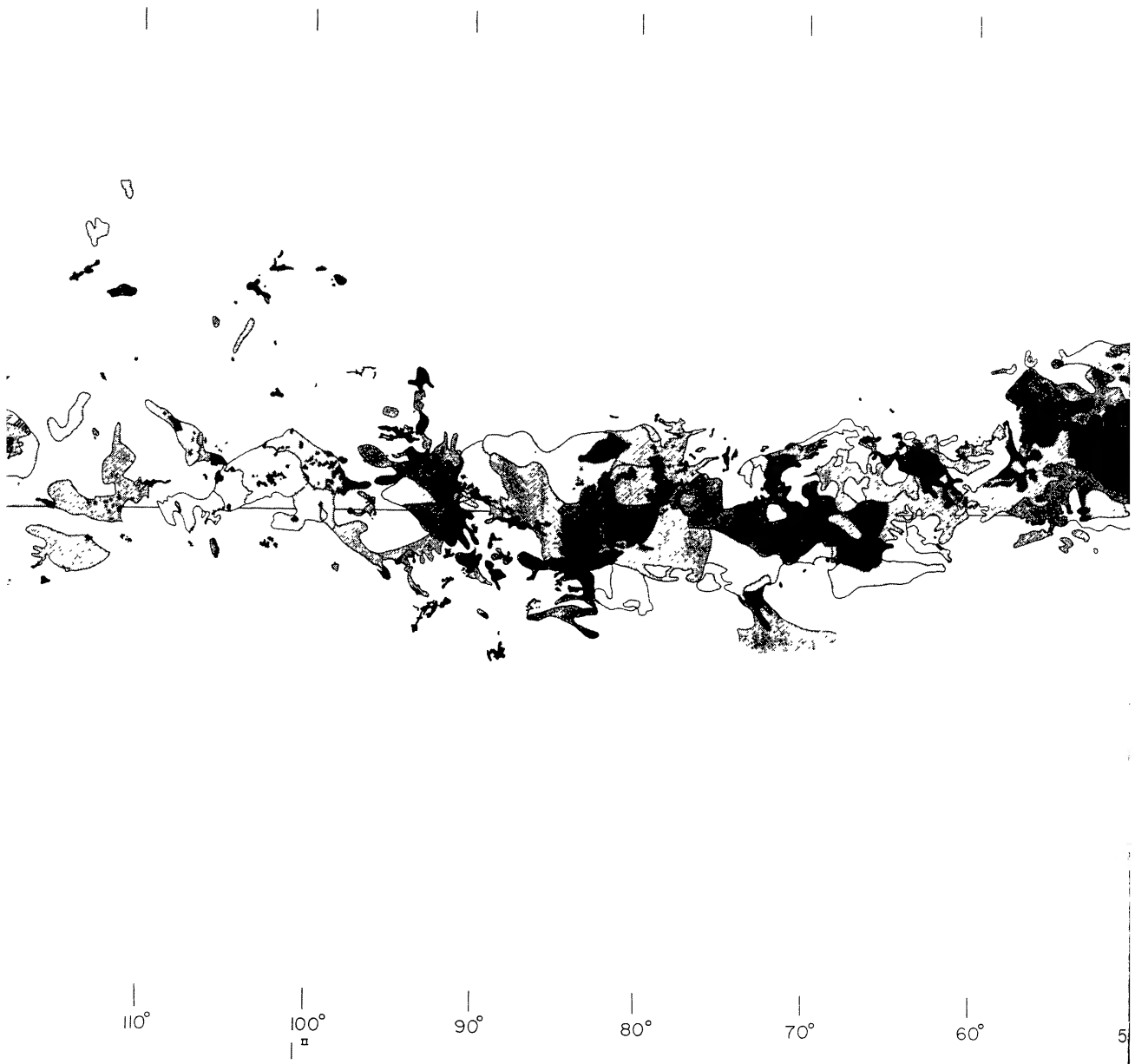
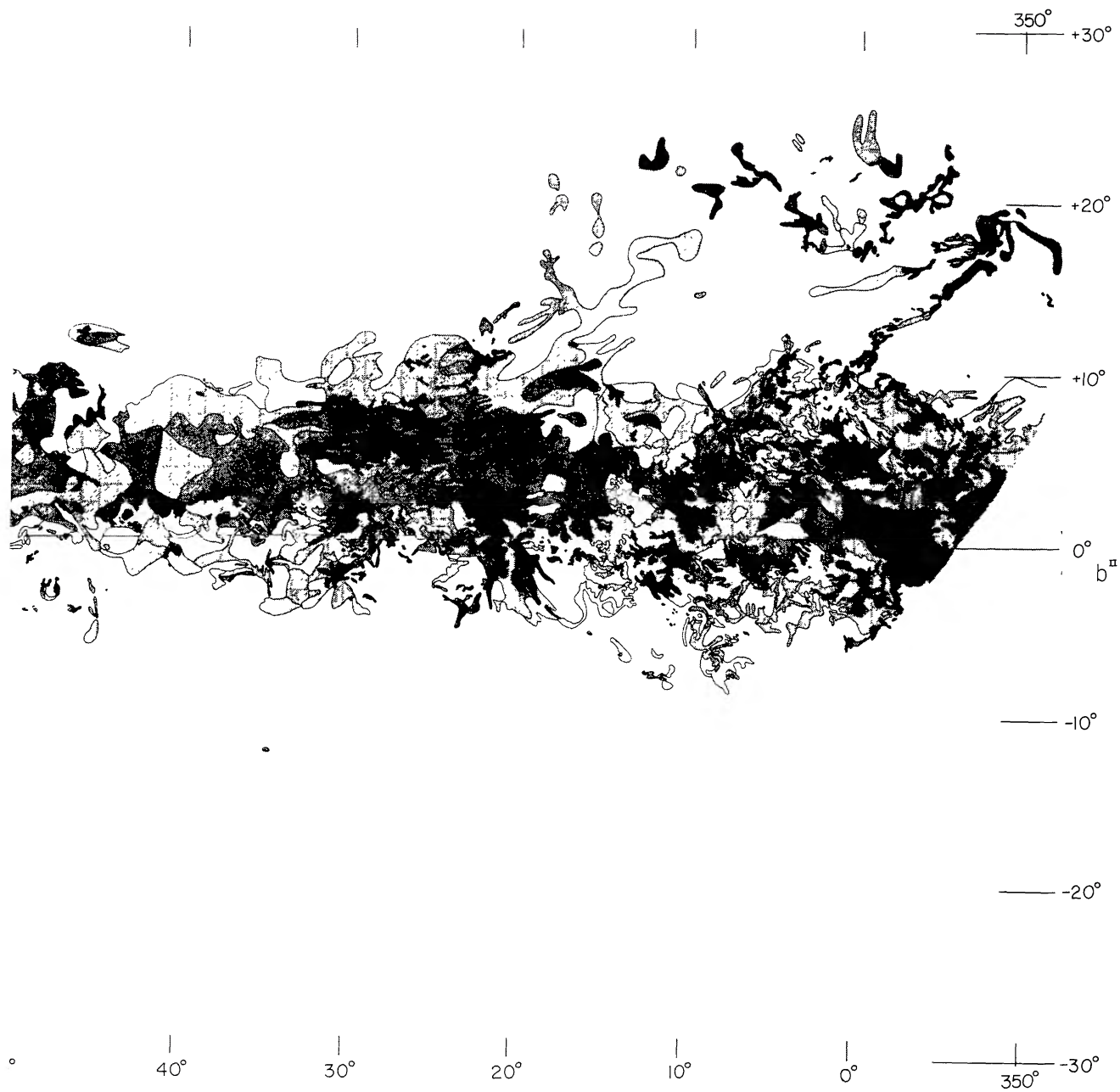


FIG. 2.—Atlas of dark nebulae. The five degrees of shading correspor



to opacities 1, 2, 3, 4, and 5 + 6, with 5 + 6 being the darkest



example, there are many small dots of absorption apparent on the Schmidt photograph reproduced in Figure 1. The smallest clouds measured in this survey have areas of the order of 2 square minutes of arc, several of which may be found by examining the Schmidt print of Figure 1. As pointed out by Bok and Reilly (*op. cit.*), such objects as these will not be found when the stellar background is too thin to permit detection of objects only a few minutes of arc in diameter. In fact, the minimum detectable size of a dark nebulae increases rapidly with increasing latitude, to such an extent that clouds

TABLE 2
BARNARD OBJECTS IN CATALOGUE

B	Cat.	B	Cat.	B	Cat.	B	Cat.	B	Cat.	B	Cat.
1....	1472	55....	1682	105....	506	154....	1080	244....	1736	312....	379
2....	1472	56....	1685	106....	530	155....	983	245....	1726	314....	445
3....	1470	57....	11	107....	530	156....	983	246....	17	315....	344
4....	1470	59....	1746	108....	534	157....	1075	247....	1726	316....	555
5....	1471	60....	17	109....	496	159....	973	248....	1733	317....	409
6....	1387	61....	111	110....	530	160....	1088	249....	1727	320....	522
7....	1495	62....	100	111....	534	161....	1103	250....	1742	321....	456
8....	1392	63....	99	113....	548	162....	1095	251....	139	323....	534
9....	1395	64....	173	114....	514	163....	1106	252....	1698	324....	568
10....	1495	65....	1772	115....	518	164....	1070	254....	1725	325....	534
11....	1399	66....	1768	116....	512	165....	1144	255....	59	326....	590
12....	1407	67a....	102	117....	509	166....	1144	256....	1749	327....	552
13....	1402	67....	1773	117a....	534	167....	1144	259....	177	328....	567
14....	1521	68....	57	118....	509	168....	1055	260....	14	329....	631
15....	1445	69....	55	119....	561	169....	1151	261....	85	330....	647
16....	1445	70....	54	119a....	534	170....	1149	262....	91	331....	654
17....	1445	71....	53	120....	561	171....	1153	264....	19	332....	654
18....	1529	72....	66	121....	561	173....	1166	265....	19	333....	682
19....	1521	73....	50	122....	545	174....	1164	266....	149	334....	701
20....	1418	74....	81	123....	551	175....	1217	267....	36	335....	663
21....	1405	75....	112	126....	556	202....	1451	268....	178	336....	702
22....	1521	76....	50	127....	544	203....	1448	269....	69	337....	705
23....	1503	77....	69	128....	669	204....	1455	270....	185	338....	668
24....	1507	78....	42	129....	549	205....	1450	272....	125	339....	681
25....	1465	79....	216	130....	542	206....	1450	274....	172	340....	707
26....	1517	80....	168	131....	562	209....	1495	275....	1769	341....	847
27....	1517	81....	113	132....	567	210....	1524	276....	219	342....	885
28....	1517	82....	113	133....	531	211....	1495	277....	144	343....	880
29....	1523	83....	109	134....	543	212....	1524	278....	1769	344....	888
30....	1577	83a....	233	135....	581	213....	1495	279....	142	346....	906
31....	1577	84....	235	136....	581	215....	1524	280....	207	347....	889
32....	1582	84a....	302	137....	618	216....	1495	281....	130	348....	906
33....	1630	86....	93	138....	627	217....	1495	284....	330	349....	906
35....	1594	87....	1771	139....	619	218....	1495	289....	35	354....	1061
36....	1599	90....	227	140....	642	219....	1500	294....	78	356....	950
37....	1605	92....	323	141....	632	220....	1521	295....	1798	357....	1053
38....	1605	93....	327	142....	688	222....	1522	297....	303	359....	1068
39....	1610	94....	415	143....	694	223....	1588	299....	120	360....	1063
40....	1721	95....	406	144....	857	225....	1583	300....	1786	361....	970
41....	1717	96....	415	145....	865	227....	1570	301....	303	362....	1017
42....	1696	97....	435	146....	860	229....	1675	302....	213	363....	1007
43....	1752	98....	239	147....	853	230....	1781	303....	210	364....	1074
44....	1712	99....	313	148....	1076	234....	1677	304....	303	365....	1090
45....	1744	100....	443	149....	1076	237....	1677	306....	195	366....	1131
46....	1775	101....	443	150....	1082	238....	1759	307....	335	367....	1113
47....	1792	102....	401	151....	1065	239....	1677	308....	272	368....	1137
49....	1679	103....	497	152....	935	241....	1695	310....	350	369....	1150
51....	15	104....	532	153....	941	243....	1716	311....	356

covering areas of the order of 0.1 square degree may not be noticeable at sufficiently great distances from the galactic plane. As an example of this, Figure 3 is a reproduction of a section of a Schmidt photograph of a high galactic latitude. On both the red and the blue plates there is a marked decrease in star density within the dotted lines. If this were real, it would indicate that a dark cloud of opacity of the order of 4 exists at a latitude of some 50° above the galactic plane. This object was not included in the table; more detailed studies of such regions as this are needed before the stellar density variations are explained as obscuration rather than statistical fluctuations in star numbers.

V. COMPARISON WITH OTHER CATALOGUES

The many dark nebulae plotted by Lundmark and Melotte at the high galactic latitudes are not apparent on the Schmidt photographs. The Franklin-Adams plates, upon which the Lundmark-Melotte survey was based, were obtained with a 10-inch lens of 45-inch focal length; each photograph covered an area of about 17 square degrees to a limiting magnitude of about 17. It is quite possible that the apparent vacancies at the higher galactic latitudes detected on the Franklin-Adams plates and interpreted as dark nebulae disappear when the limiting magnitude is extended to that of the Schmidt survey. A similar situation occurred with regard to star counts in these latitudes (Shapley 1925).

For the lower galactic latitudes the general distribution of dark nebulae as determined from the present survey is similar to that of Lundmark and Melotte. The tendency of dark nebulae to lie below the galactic plane in longitudes of the order of 180° and above it at longitudes around 0° is obvious in both surveys.

The *Atlas of Dark Nebulae* published by Khavtassi is based on the photographs of the Milky Way contained in the Ross-Calvert *Atlas* and the Barnard *Atlas*. The more obvious features of the galactic dark nebulae are the same in Khavtassi's atlas and the present work. The larger scale and two colors of the Palomar atlas prints used in the present survey, however, provide more detailed sketches of the clouds, in addition to a finer division in their opacity. There are many large clouds illustrated in Khavtassi's atlas which are not contained in the present study. These are usually clouds several degrees from the galactic equator and are not completely obvious on the Ross photographs. Examples of these are the clouds identified by Khavtassi in the region of the double cluster in Perseus, in the vicinity of NGC 281, and in the area surrounding Sirius. The inclusion of such clouds as these, which are not readily apparent on the Palomar-Schmidt photographs of these regions, results in a higher value in the proportion of space within 20° of the plane occupied by clouds. Khavtassi's value is about 18 per cent; the present study indicates 12 per cent.

The dark nebulae in Taurus have been studied in detail by McCuskey (1938) and more recently by Bok (1956). Bok's study is based on star counts made from the Palomar-Schmidt plates, and his results are presented as derived total photographic absorptions in magnitudes at various points within the nebula. For this region and for the field of ρ Oph (Bok 1956), the estimates of opacity made in the present study were compared with Bok's quantitative investigation, with the results that opacities 3, 4, and 5 compared approximately with absorptions of 3, 4, and 5 mag., respectively.

Comparison with counts made by Bok and Warwick (1957) in the region west of the Veil Nebula indicates that for these areas the opacity estimates of the present study are approximately equivalent to the photographic absorption. Bok's counts indicate absorptions of 2 and 3 mag.; the present survey lists the clouds as opacity 2 and 3 in the corresponding regions. However, Bok and Warwick point out that the ratio of photographic to photoreduced absorption ranges from 2.5 to 15. This is a condition that was frequently noticed in this survey. There are many clouds of high absorption in both the red and the blue, but occasionally a few clouds appear which are almost transparent in

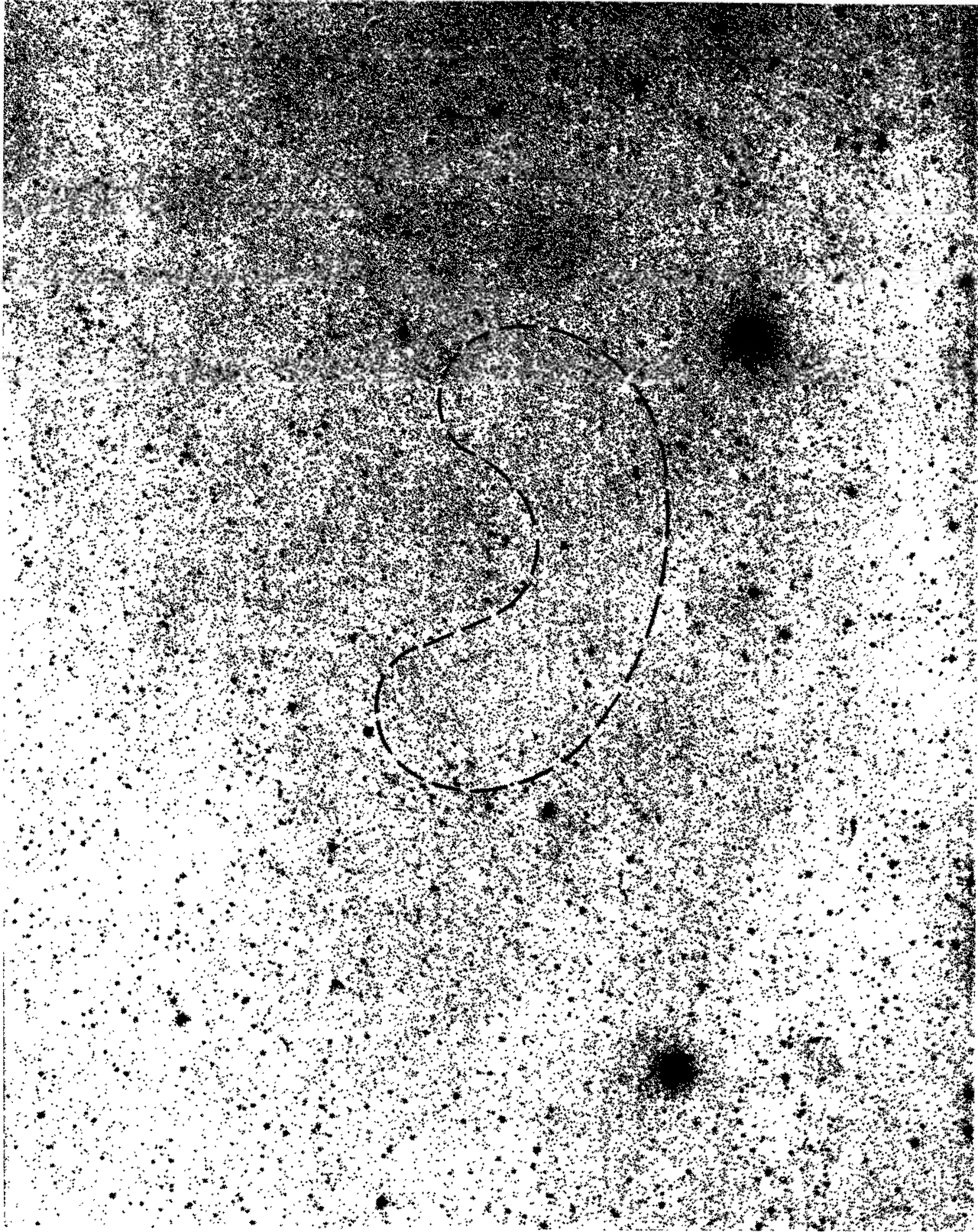


FIG. 3*a*.—Dark region at $10^{\text{h}}38^{\text{m}}, +60^{\circ}35'$ (blue). (Copyright National Geographic Society—Palomar Observatory Sky Survey.)

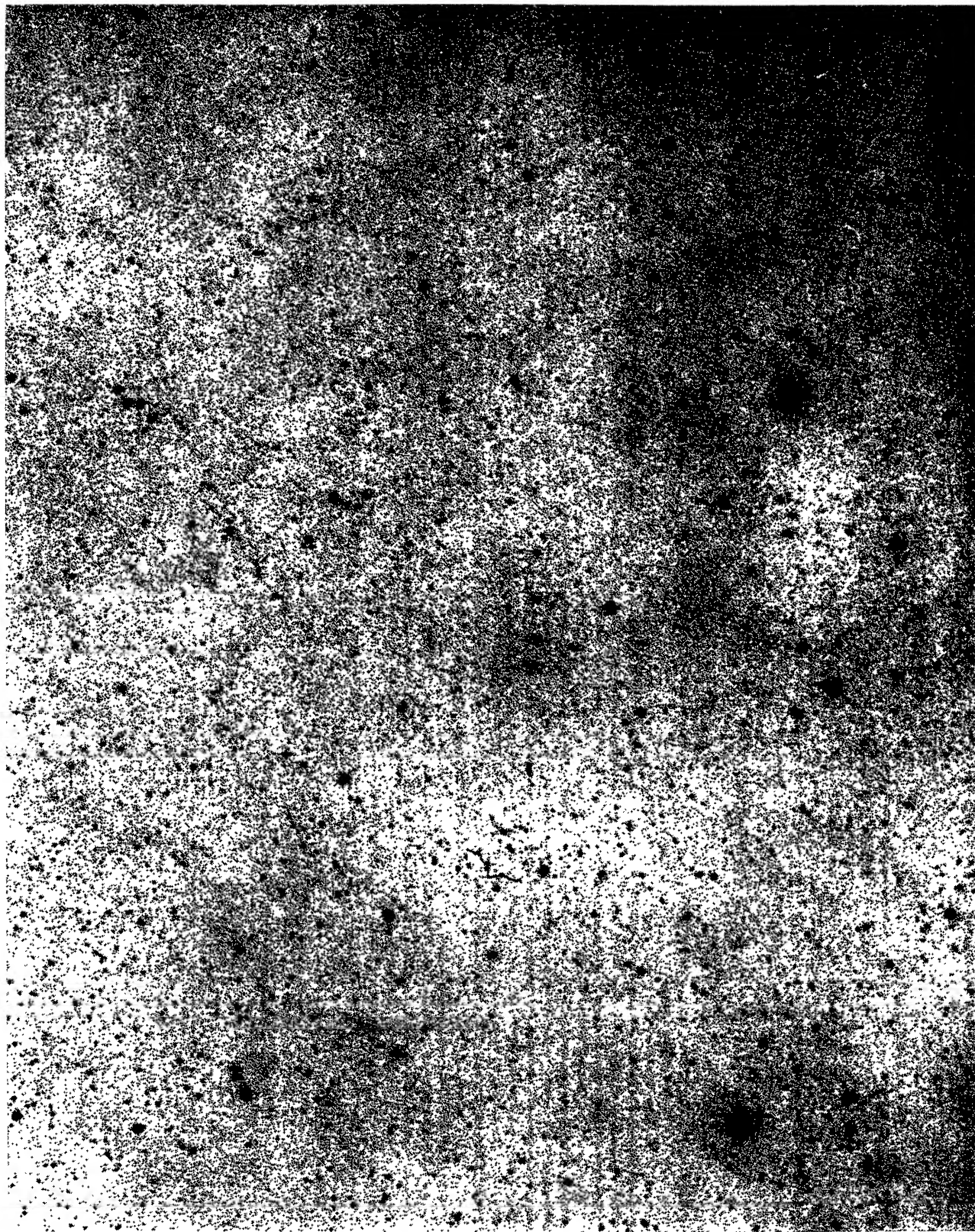


FIG. 3*b*.—Dark region at $10^{\text{h}}38^{\text{m}}, +60^{\circ}35'$ (red). (Copyright National Geographic Society—Palomar Observatory Sky Survey.)

the red, yet of high absorption in the blue. In this survey, the numbers 5 and 6 clouds are those which have high absorption in both the red and the blue.

VI. STATISTICS

Table 3 lists the total number of square degrees obscured by the clouds measured in this survey. All total, the clouds cover 1368.660 square degrees of the sky. Figure 4 illustrates the percentage of the sky obscured in various bands of galactic latitude. Thus approximately 49 per cent of the sky is obscured in the area within 1° of the galactic plane. As is evident from Figure 2, the obscuring clouds are not uniformly distributed

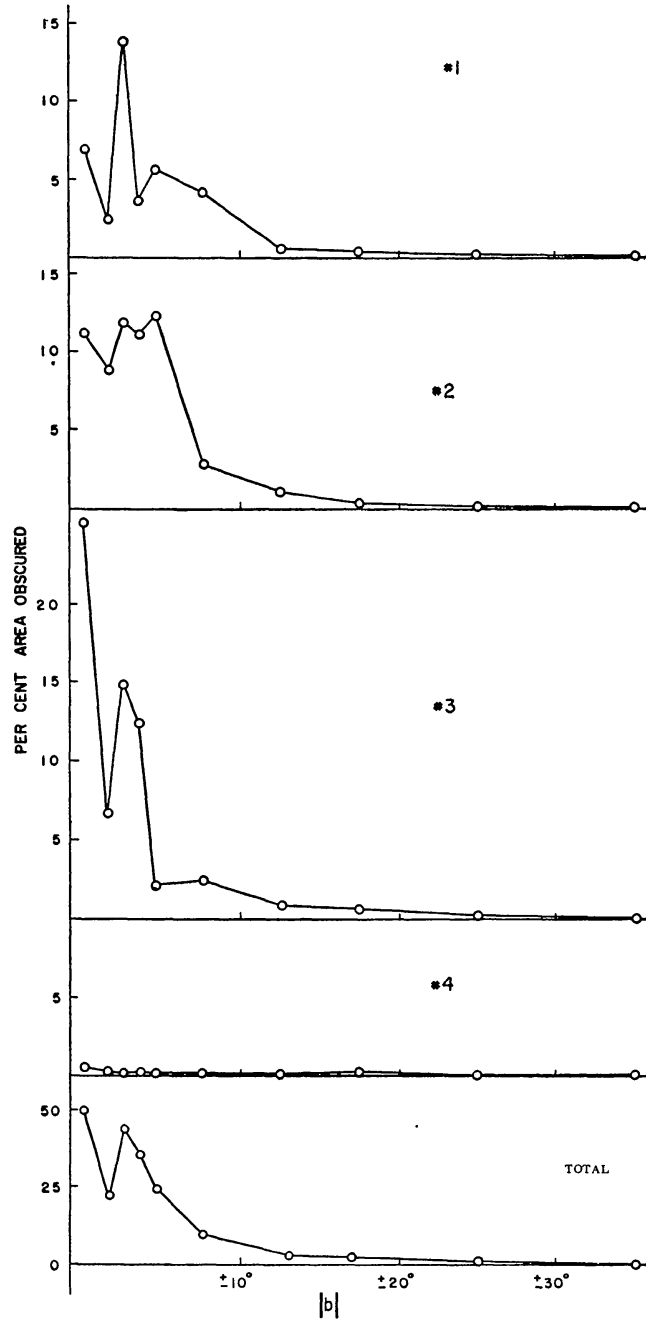


FIG. 4.—Percentage of area obscured as a function of $|b|$ and opacity

along the plane but are highly concentrated in the longitude range from 350° to 100° . The fluctuations in Figure 4 at the lower latitudes are probably statistical in nature, due to the smaller intervals used in determining the averages near the plane. The very high value of the area obscured by the opacity 3 clouds in the region $\pm 1^\circ$ of the plane is probably a result of the superposition of lower-opacity clouds. If several clouds are in the line of sight, then their combined opacities would produce the same apparent effect as a single cloud of higher opacity. Thus it is very probable that the percentages for clouds of opacities 1 and 2 are depressed in the lower latitudes, while those of the opacity 3 clouds are correspondingly increased. The decrease in the percentage of area obscured at the higher galactic latitudes, which is greater than the cosecant law, is a result not only of the concentration of the clouds in the plane itself but also of the fact that absorbing clouds at the higher galactic latitudes are not so readily visible. Greenstein (1937) has shown that a cloud absorbing 3 mag. produces a 1-mag. change in the surface intensity of the Milky Way when it is at a distance of 1250 parsecs if its galactic latitude is 0° , but if it lies 20° from the plane, then its distance must be only 300 parsecs in order to

TABLE 3
AREA (SQUARE DEGREES) OBSCURED

b	OPACITY					
	1	2	3	4	5	6
1.....	37.408	59.718	135.422	29.976	3.303	0.076
2.....	50.486	107.501	171.750	49.872	4.974	0.557
3.....	124.393	182.034	251.645	53.692	6.021	0.827
4.....	143.910	252.794	318.784	84.010	7.535	1.008
5.....	173.720	318.444	329.999	105.232	8.709	1.192
10.....	283.798	394.005	395.338	113.383	11.582	2.244
15.....	298.523	420.939	417.403	124.904	13.194	2.864
20.....	305.745	427.919	432.822	152.798	19.479	3.874
30.....	310.768	428.507	442.064	155.080	20.471	4.260
40.....	314.188	429.138	443.296	156.521	21.257	4.260
90.....	314.188	429.138	443.296	156.521	21.257	4.260

produce the same change in surface intensity. Thus the data listed in Table 3 and illustrated in Figure 4 do not represent the actual cloud density, since the depth of penetration varies with latitude. There is, however, also present the fact that much of the low-latitude area is heavily obscured by relatively nearby clouds such as the Taurus and the Ophiuchus complexes.

In order to estimate the positions of the centers of mass of the clouds along the plane, the weighted means of the clouds in intervals of 10° in longitude were computed by the relation

$$\bar{b}_{lx} = \frac{\sum_i (\text{area})_i (\text{opacity})_i (b)_i}{\sum_i (\text{area})_i (\text{opacity})_i}, \quad l_{x-1} < l_x \leq l_{x-1} + 10^\circ.$$

The results of this tabulation are illustrated in Figure 5. The effect of the dark clouds comprising the Orion-Taurus group and those of Scorpius are at once evident. In fact, these two cloud associations alone determine the general inclination of the plane of the dark nebulae to the galactic plane. This distribution, noted by Hubble (1922), is the

same as that of the bright B stars and indicates that these objects are associated with Gould's Belt (Bok 1937). Recently, 21-cm observations of interstellar hydrogen indicate a concentration of hydrogen along Gould's Belt, coinciding with the two regions of heavy obscuration (Heeschen and Lilley 1954). Greenstein (1937) gives the distances of the Taurus cloud as 145 pc and that of the Scorpius system as 125 pc. Table 4 lists the average sizes for the clouds in this survey.

Figures 6 and 7 are histograms of the distribution in size of the clouds. The arrows in the illustrations represent the mean values for the respective opacity group. For opacity groups 1 and 2, the clouds of small area could easily be missed in a visual inspection of a photograph. For these small areas, even star counts would not be able to dis-

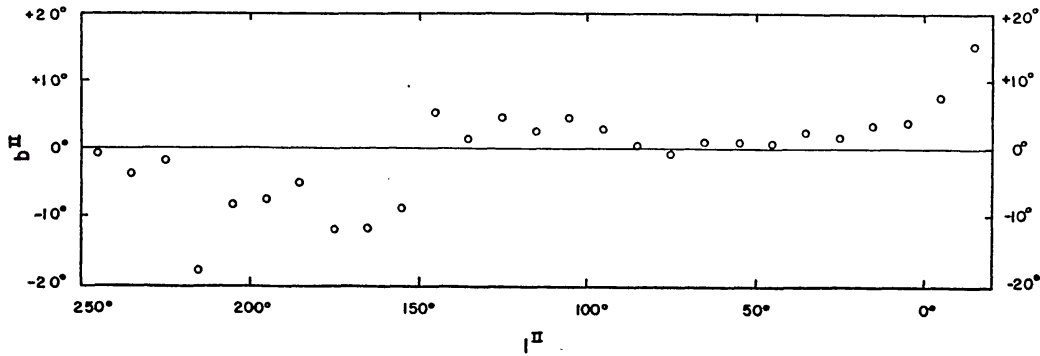


FIG. 5.—Distribution of centers of mass of dark nebulae

TABLE 4

Opacity	Area (Square Degrees)	Opacity	Area (Square Degrees)	Opacity	Area (Square Degrees)
1.....	1.900	3.....	1.114	5.....	0.054
2.....	1.827	4.....	0.358	6.....	0.029

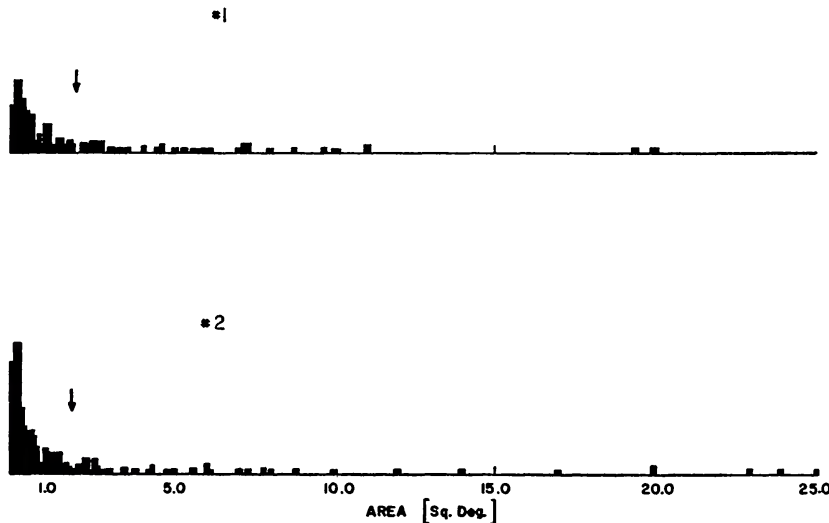


FIG. 6.—Histogram for clouds of opacity 1 and 2

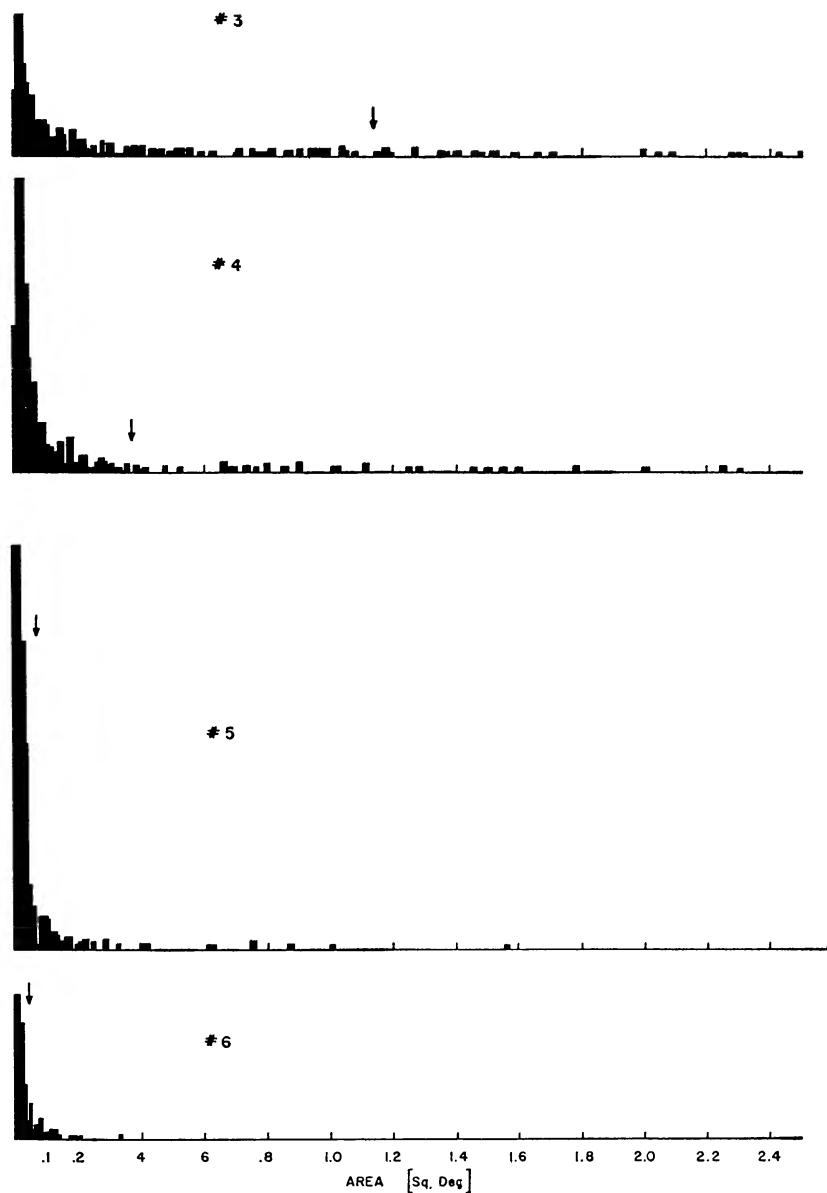


FIG. 7.—Histogram for clouds of opacity 3, 4, 5, and 6

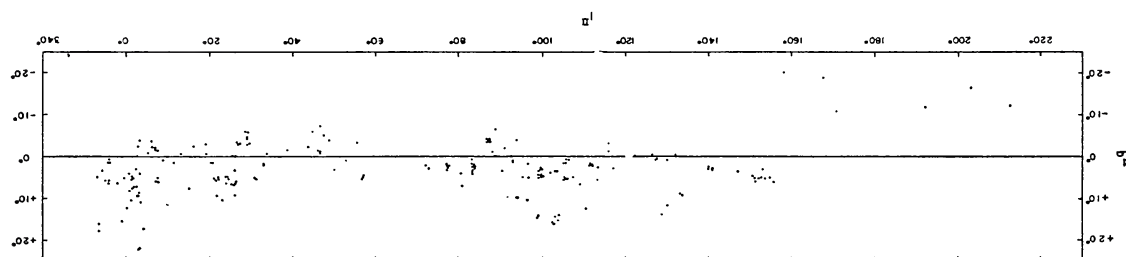


FIG. 8.—Distribution of opacity 5 and 6 clouds of area less than 0.009 square degree

tinguish between statistical fluctuations and small clouds. For opacity groups 3–6, the listings should be fairly complete, at least for low galactic latitudes. It should be noted that a maximum is reached for opacities 3 and 4, whereas the darkest clouds seem to increase in number as the area decreases, to the limit of this survey. These small opaque objects usually resemble Bok and Reilly's (1947) "globules" in size and shape. The distribution of the smallest clouds or condensations within cloud networks along the Milky Way is shown in Figure 8. With the exception of the Orion-Taurus cloud, these

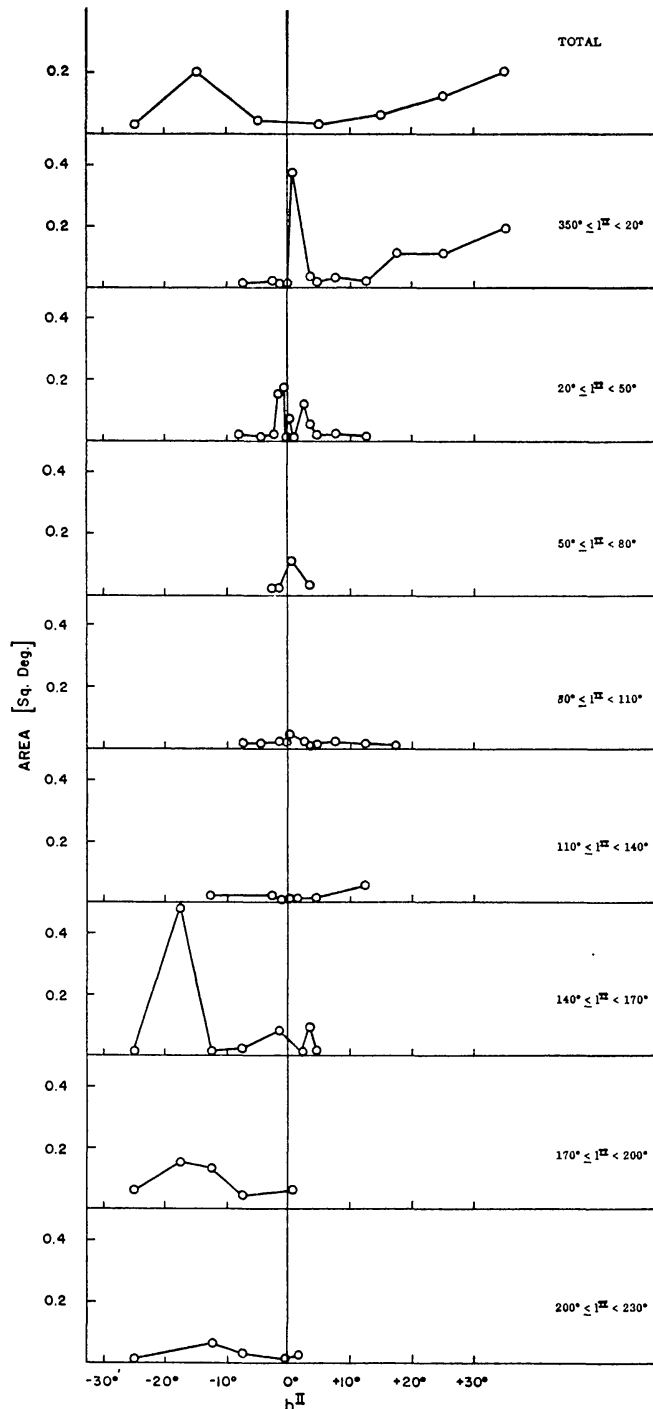


FIG. 9.—Average area of clouds as function of l and b for opacity 5 and 6 clouds

objects tend to lie slightly above the galactic plane but uniformly distributed along it. This would be the case if the sun were located slightly below the plane. They do not exhibit the association with Gould's Belt, as is evidenced by the general distribution of extended nebulae seen in Figure 2.

Table 5 lists the average area of the clouds for various latitudes above and below the plane. There is essentially no correlation between the size of a cloud and its distance from the galactic plane. The apparent "minimum" of size for clouds of opacity 5 and 6 in the plane itself is seen in Figure 9 to be a result of the Orion-Taurus cloud, which is apparent in longitudes from 140° to 230° , and the Scorpius cloud, apparent in the direction of the center of the galaxy.

TABLE 5
AVERAGE AREA (SQUARE DEGREES)

b	1	2	3	4	5, 6
-40.0 to -30.0.....	0.000	0.631	0.616	0.128	0.000
-30.0 to -20.0.....	0.274	0.288	2.945	0.187	.033
-20.0 to -10.0.....	0.802	0.948	1.027	1.242	.195
-10.0 to 0.0.....	2.186	1.908	0.810	0.163	.039
0.0 to 10.0.....	1.836	1.850	1.440	0.398	.026
10.0 to 20.0.....	1.739	1.806	0.413	0.345	.062
20.0 to 30.0.....	0.791	0.012	0.558	0.429	.118
30.0 to 40.0.....	1.710	0.000	0.000	0.528	0.196

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