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A catalogue of southern dark clouds

M. Hartley ([1]), R. N. Manchester ([2]), R. M. Smith ([3]), S. B. Tritton ([4]) and W. M. Goss ([5])

([1]) U. K. Schmidt Telescope Unit of the Royal Observatory, Edinburgh, U.K.
([2]) CSIRO, Division of Radiophysics, Sydney, Australia
([3]) Mount Stromlo and Siding Spring Observatories, Australian National University, Canberra, Australia
([4]) Royal Observatory, Edinburgh, U.K.
([5]) Kapteyn Astronomical Institute, University of Groningen, Groningen, The Netherlands

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Summary. — A catalogue of 1101 dark clouds has been compiled from visual inspection of ESO/SERC Southern *J* survey plates for declinations south of − 33°. This catalogue complements that of Lynds (1962) which is based on the Palomar Sky Survey. Equatorial positions of accuracy 10 arcsec or better are listed for each cloud along with size (major axis × minor axis), density class and ESO/SERC field number. Galactic coordinates, derived from the equatorial positions, are used to define a name for each cloud. Complexes, consisting of several separately identifiable concentrations, are listed and identified by a trailing C on the name. The conclusions of Lynds, that clouds are concentrated along the galactic equator and toward the galactic centre, are reinforced. No clear connection with Gould's Belt is evident in the distribution of southern clouds.

Key words : dark clouds — interstellar matter — star formation — Gould's Belt.

1. Introduction.

Dark clouds are defined as regions of the sky where the apparent surface density of stars is reduced compared to surrounding regions. In the main they consist of relatively local (distance < 500 pc) concentrations of interstellar dust which are more or less opaque to the background starlight. They are important because of the close connection between dust density and interstellar gas density (e.g. Savage and Mathis, 1979) and hence between dust, interstellar molecules and star formation (e.g. Strom *et al.*, 1975; Myers *et al.*, 1983; Myers and Benson, 1983). They also form a tracer of the interstellar magnetic field through observations of the polarization of starlight (e.g. Axon and Ellis, 1976).

For many years the Lynds (1962) catalogue of dark clouds has formed the basic reference for studies involving these objects. This catalogue, derived from visual inspection of the Palomar Sky Survey red and blue prints, contains 1802 dark clouds in the declination range − 33° to + 90°. The catalogue lists cloud sizes and opacities on a scale of 1 to 6; for class 1 clouds the visual opacity is about 1 magnitude with higher number classes being more opaque. Lynds shows that the clouds are strongly concentrated along the galactic equator and that there is a strong correlation between size and opacity with the more opaque clouds being smaller. The completeness of the catalogue varies with galactic latitude with smaller clouds being more difficult to detect at high latitudes owing to the reduced density of background stars. The completeness is also of course a strong function of distance.

Extension of the Lynds survey to southern declinations is clearly desirable. Sandqvist and Lindroos (1976) used the Whiteoak extension of the Palomar Sky Survey to catalogue 42 dust clouds in the declination range − 33° to − 46°. This work was extended by Sandqvist (1977) who used the ESO-*B* survey to find a further 95 dense clouds south of − 42°.5. These represent the denser clouds in the zone, being mostly of Lynds opacity class 5 or 6. Combining these surveys with that of Lynds (1962), Sandqvist showed that clouds lay preferentially below the galactic equator in the galactic longitude range 120° to 320° and above the equator at other longitudes, suggesting an association with Gould's Belt.

The ESO/SERC Southern *J* survey, which covers the declination zone south of − 20° in a total of 606 fields, commenced in 1973 at the U.K. Schmidt Telescope (UKST), Siding Spring, and was effectively completed in 1982. This survey goes considerably deeper than the ESO-*B* survey and the high contrast IIIa-J emulsion is ideally suited to the visual detection of dark clouds. The present survey, which commenced in 1975, was originally motivated by a search for interstellar formaldehyde in the southern sky (Goss *et al.*, 1980). In order to complement the Lynds catalogue, the sky south of declination − 33° was scanned, resulting in the detection of a total of 1101 dark clouds.

Send offprint requests to : M. Hartley.

All of these clouds are within our Galaxy and relatively close to the sun; in particular, the scanning criteria did not admit clouds within the Magellanic Clouds. The detected clouds are listed in the catalogue along with size and density information.

2. The Catalogue.

All 408 fields of the UKSTU ESO/SERC Southern *J* survey with field centres at declinations $\leqslant -35°$ were visually inspected for dark clouds. In most cases the scanning was of film copies of accepted plates although original plates which did not reach survey standard were also used. Although the scanning involved several people and was spread over a long period, considerable efforts were made to ensure uniformity of the classification procedures. Over 60 % of the fields were scanned by the principal author (M. H.) and the remaining fields were checked by him for consistency. The resulting catalogue, containing 1101 entries, is given in table I.

Cloud positions, defined to be the approximate centroid, were determined with reference to three nearby SAO stars, giving a positional uncertainty of < 10 arsec. Galactic coordinates were derived from these positions and used to define the DC (Dark Cloud) name given in the first column of table I. Cloud sizes, major axis × minor axis, are quoted in arcmin on the sky. In the case of some curved and elongated clouds, the major axis represents the total length of the cloud rather than the overall dimension. Therefore the product of these two numbers approximates the area of cloud.

Cloud densities are represented by a three-letter scale with A being the most dense and C the least dense. Since the scanning was only of plates of a single waveband, it was not possible to give as fine a subdivision as that used by Lynds (1962), The relationship of our classes to those of Lynds is discussed in the next section. Photographs illustrating clouds of each density class are shown in figure 1. Density class A clouds have regions where no background stars are visible whereas for clouds of density C there is only a small diminution of the background star density.

Many large clouds are complex in structure and have several concentrations of higher than average density. For such clouds we have listed an entry, identified by C for complex appended to the name, giving the position of the approximate centre of the complex and the overall size and density. In most cases individual concentrations within the complex have been separately catalogued. These are identified in the comments column, the final column in table I.

The penultimate column of table I lists the field or plate number of the ESO/SERC Southern survey containing the listed position. In many cases of course the cloud is visible on or extends onto adjacent fields.

With a few exceptions, abbreviations used in the comments column are obvious. Less obvious abbreviations are listed below :

CG Cometary Globule
RN Reflection Nebula
S-O Scorpius-Ophiuchus .

The S-O dark cloud is a part of the well known complex region of obscuration which extends into the Scutum region (e.g. Lundmark, 1927). Because of the size and complexity of this region, it has not been listed as a separate complex but numerous concentrations, identified in the comments column, are given. Numbers in the comments column preceded by S refer to the catalogues of Sandqvist and Lindroos (1976) and Sandqvist (1977). Correspondences which are uncertain owing to a discrepant size and/or position are enclosed in parentheses.

3. Discussion.

This dark cloud catalogue is intended to complement the Lynds (1962) catalogue to give complete coverage of the celestial sphere. It is therefore important to relate the parameters of the two catalogues, in particular, the density scales. In table II we give mean and median sizes (major axis × minor axis) for clouds of each density class and for the whole sample. In all cases the mean is several times the median showing the effect of a few large clouds. Lynds quotes mean sizes for each opacity class but not median sizes. Because of the highly skewed distribution, the median size is a more representative indicator. We have therefore computed median sizes for clouds of each opacity class from the Lynds catalogue; these are given along with mean values from Lynds in table III. Comparison of tables II and III indicates that our density class A approximately corresponds to Lynds opacity 6, B to 4 and 5 and C to 3 and less. It is clear that, compared to the Lynds catalogue, the present catalogue contains far fewer large clouds of low density. In this sense it is incomplete. However we believe that the catalogue is reasonably complete for clouds of density classes A and B.

A total of 37 cometary globules (some only possible members of this class) are listed in the catalogue. These clouds are generally small with a dense head and streaming tail similar in appearance to a comet (Hawarden and Brand, 1976). They are concentrated in the Vela region and appear to result from the interaction of an expanding shell with dense globules (Zealey *et al.*, 1983). Correspondences with the table of Zealey *et al.* are indicated in the comments column by Z followed by a number. (For Z2 and Z7, the positions quoted by Zealey *et al.* appear to be in error.)

Figures 2 and 3 show the galactic distribution of the catalogued dark clouds. Clearly most are concentrated along the galactic equator, although there are exceptions, notably the concentrations in Coronae Australis ($l \sim 0°$, $b \sim -18°$) and Chamaeleon ($l \sim 305°$, $b \sim -15°$). Both of these clouds are rich in H_2CO (e.g. Goss *et al.*, 1980). Comparison of figures 2a and 2b shows that the low density clouds are more widely distributed. Although the limited declination extent of our survey disguises the effect, figures 2 and 3 show that the concentration of dust clouds toward the galactic centre evident in the atlas of Lynds (1962) is present in the south also. This is further illustrated in figure 4 which shows the longitude distribution of clouds of each density class and of cloud mass, proportional to the size of each cloud times D where D is 1, 2 or 4 for clouds of density C, B or A respectively. The distribution of cloud mass, especially, has a maximum near the galactic centre with the fall-off around $l = 350°$ solely due to the

declination limit of the survey. Figure 3*b* shows that the secondary maxima at longitudes 300°-310° and 260°-270° are largely due to the complexes in the Crux ($l = 300°$, $b = 0°$) and Chamaeleon regions and the Vela-Puppis regions respectively. These complexes are relatively local and there is no clear connection with large scale galactic structure. Sandqvist (1977) has suggested that the distribution of dark clouds is closely related to Gould's Belt which crosses figures 2 and 3 from $l \sim 0°$, $b \sim +15°$ to $l \sim 240°$, $b \sim -8°$ (Clube, 1967). Although some complexes, e.g. those around $l = 340°$, $b = +10°$, may be related to Gould's Belt, it is clear that the majority are not. In particular, the weighted mean latitudes, shown in figure 4, bear no relation to Gould's Belt.

Following completion of this paper we became aware of the similar catalogue of southern dark clouds by Feitzinger and Stüwe (1984). These authors examined the ESO/SERC *J* survey plates or, where the *J* plates were not available, the ESO-*B* survey plates and compiled a list of 489 dark clouds and 331 globules (where globules are defined to be clouds with size less than 0.01 square degrees). The Lynds opacity classes are employed. While there is generally reasonable agreement between the two catalogues, there are substantial differences. For example, there are a total of 40 fields (18, 20, 23, 25, 40, 45, 59, 65, 89, 98, 100, 124, 125, 126, 136, 141, 143, 174, 177, 179, 220, 222, 224, 225, 236, 237, 258, 271, 310, 325, 329, 334, 337, 338, 367, 387, 389, 394, 398, 403) for which the present catalogue contains dark clouds but for which the Feitzinger and Stüwe (FS) catalogue does not. There are four fields (66, 67, 163 and 214) for which the FS catalogue contains dark clouds but our catalogue does not. Most of these are of low opacity, class C in our nomenclature. Some, however, appear discrepant; for example, in field 66 FS list seven clouds. The quoted positions for three of these are not in this field and we are unable to identify dark clouds at the other four quoted positions.

Another major difference between the two catalogues is that FS group globules together in complexes and quote a mean position for the complex, whereas in the present catalogue the centroid position for all clouds is given whether or not they are within a complex. In general, the positions quoted in the present catalogue appear to be more accurate than those quoted by FS.

Finally FS use the six-level Lynds opacity classes whereas we adopted a simpler three-level scheme. As discussed in section 2, we feel it is not possible to reliably distinguish six classes from observations in only one colour, at least without detailed star counting and photometry. The correspondence of our classes to those of Lynds (1962) was discussed above.

4. Conclusions.

We have presented a catalogue of 1101 dark clouds from a complete survey of the sky south of declination −33° using plates from the ESO/SERC Southern *J* survey. This catalogue is intended to complement that of Lynds (1962) which covers the remainder of the celestial sphere. It is hoped that it will serve as a useful finding list for further studies of dark clouds, molecular clouds and regions of star formation in the southern sky.

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TABLE I.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 0.0-18.9	19 03 28	-37 18.4	16x5	A	397	Neb. associated
DC 0.3-18.8	19 03 22	-37 03.5	14x12	B	397	Neb. associated
DC 0.4-19.5	19 06 54	-37 12.4	16x7	A	397	Neb. associated, S42
DC 0.8-22.9	19 23 45	-37 56.4	16x12	C	338	Neb. associated
DC 0.9-20.2	19 11 02	-36 57.1	16x5	A	397	Neb. associated
DC 1.2-23.1	19 25 38	-37 40.7	5x4	C	338	Neb. associated
DC 1.3-20.5	19 13 04	-36 41.7	14x4	A	397	Neb. associated
DC 1.4-21.6	19 18 23	-37 00.8	40x35	C	397	
DC 1.5-24.0	19 30 05	-37 37.4	4x3	C	338	Neb. associated
DC 1.7-23.8	19 29 35	-37 25.2	3x3	C	338	Neb. associated
DC 4.9-24.6	19 37 23	-34 54.6	16x3	A	398	CG, head 2.5x1.5, Z11
DC 8.4-47.1	21 29 21	-36 04.7	6x2	B	403	
DC 9.0-46.5	21 26 23	-35 37.7	8x5	C	403	
DC 10.4-46.6	21 27 17	-34 40.7	12x2	B	403	
DC 10.5-47.1	21 29 41	-34 39.2	3x2	B	403	
DC 247.0-5.7	07 35 08	-32 37.3	22x2	B	368	
DC 247.5-12.3	07 07 54	-36 07.4	65x55	B	367	Complex region, neb. associated
DC 247.6-3.5	07 45 33	-32 05.5	7x5	B	368	
DC 247.8-3.2	07 47 15	-32 04.8	6x1	B	368	
DC 249.0-3.2	07 49 59	-33 08.0	16x12	B	369	
DC 249.4-5.1	07 43 18	-34 28.9	4x2	A	368	
DC 249.7-2.1	07 56 09	-33 10.1	6x6	A	369	
DC 250.8-8.1	07 33 35	-37 08.7	9x2	B	310	
DC 251.1-1.0	08 04 16	-33 45.2	12x6	A	369	
DC 251.5+2.0	08 17 26	-32 28.5	3x2	C	370	RN associated
DC 251.7+0.2	08 10 29	-33 36.6	4x2	A	369	CG, head 2x1, Z27
DC 251.7-12.2	07 17 06	-39 45.6	4x3	B	310	
DC 251.8+0.0	08 10 25	-33 47.2	3x1	A	369	CG, head 1x1, Z28
DC 251.9+0.0	08 10 27	-33 52.0	5x1.2	A	369	CG, head 1x1, Z29
DC 252.1-3.6	07 56 17	-35 56.5	12x7	B	369	
DC 252.1-1.3	08 05 56	-34 46.0	22x12	B	369	
DC 252.2+0.7	08 14 03	-33 41.5	7x1.2	A	369	CG, head 2x1, Z26
DC 252.3+0.5	08 13 32	-33 55.5	6x0.6	A	370	CG, head 0.6x0.8, Z33
DC 252.3-3.2	07 58 36	-35 55.5	14x9	A	369	
DC 252.5+0.1	08 12 26	-34 21.7	10x1.5	A	369	CG, head 3x1.5, Z32
DC 252.9-1.6	08 06 45	-35 34.8	6x6	B	369	Conc. in DC 253.0-1.7
DC 253.0-1.7C	08 06 50	-35 44.9	35x12	B	369	Cntr of complex
DC 253.1-2.1	08 05 00	-36 02.5	12x4	B	369	
DC 253.1-1.7	08 07 04	-35 50.5	7x3	A	369	CG, conc. in DC 253.0-1.7, Z31
DC 253.2-4.2	07 56 40	-37 16.7	12x2	B	311	
DC 253.3-1.6	08 07 39	-35 55.9	2x3	A	369	CG, conc. in DC 253.0-1.7, Z30
DC 253.4-4.0	07 57 43	-37 17.7	14x3	B	311	
DC 253.6-1.3	08 09 37	-36 00.3	22x12	B	369	
DC 253.6+2.9	08 26 48	-33 35.8	65x6	A	370	CG, head 3x5, Z22
DC 253.8-10.9	07 27 53	-41 04.2	6x1	A	310	CG, head 3x1, Z34
DC 253.9-0.6	08 13 21	-35 53.0	28x5	B	370	
DC 254.1-3.6	08 01 41	-37 42.1	6x4	B	312	
DC 254.5-9.6	07 35 40	-41 06.9	8x6	B	311	Dense spot (2x2) to E
DC 254.7-1.1	08 13 38	-36 49.3	5x4	B	369	
DC 255.1-9.2	07 39 07	-41 19.9	2x1	A	311	Small CG(?) at edge of bright neb,Z9
DC 255.1-8.8	07 40 59	-41 08.8	2x1	B	311	Bright rim, CG(?), Z8
DC 255.3-14.4	07 14 28	-43 52.3	26x4	B	257	CG, head 2x2, density A, (Z2)
DC 255.3-4.9	07 59 15	-39 25.7	14x7	B	311	
DC 255.4-3.9	08 03 39	-39 00.3	6x2	A	312	
DC 255.5-4.8	08 00 06	-39 31.6	8x2	B	311	
DC 255.6-2.9	08 08 21	-38 34.5	5x3	A	312	Conc. in DC 255.9-2.6
DC 255.8-9.2	07 40 51	-41 58.0	4x1	A	311	CG(?) dense head 0.5x0.5, Z10
DC 255.9-9.1	07 41 26	-42 00.3	2x1	A	311	CG-like head in shock front
DC 255.9-2.6	08 10 34	-38 41.0	2x2	A	312	Conc. near cntr of DC 255.9-2.6
DC 255.9-2.6C	08 10 52	-38 40.9	65x22	B	312	Cntr of complex
DC 256.1-2.1	08 13 18	-38 31.8	6x1	A	312	Conc. in DC 255.9-2.6
DC 256.1-9.3	07 41 10	-42 18.6	2x1.5	A	311	Conc. in DC 256.1-9.2
DC 256.1-9.2C	07 41 33	-42 16.7	12x12	B	311	Complex region with bright rim E
DC 256.1-9.1	07 41 56	-42 14.8	2x1.5	A	311	CG(?) in shock front in DC256.1-9.2
DC 256.2-14.1	07 17 56	-44 29.6	28x7	B	257	Dolphin shaped CG, head 2x2,den A,Z1
DC 256.4-10.0	07 38 26	-42 52.2	22x12	B	257	
DC 256.9-10.4	07 37 56	-43 28.7	5x4	B	257	Bright rim E
DC 256.9-5.4	08 01 31	-41 01.4	16x8	B	312	
DC 256.9+2.6	08 35 23	-36 27.4	6x2	A	370	CG, head 1x1, Z36
DC 257.2-10.3	07 39 16	-43 42.1	4x1	A	257	CG, head 1x0.5, Z5
DC 257.3-2.5	08 15 23	-39 43.6	7x2	A	312	
DC 258.1-1.9	08 20 00	-40 02.2	8x8	A	312	
DC 258.6+0.3	08 30 52	-39 14.8	3x3	A	313	Conc. in DC 259.0+0.8
DC 258.6-3.4	08 15 04	-41 23.6	22x16	C	312	
DC 258.7-2.8	08 17 49	-41 03.3	45x12	C	312	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 258.9-4.1	08 12 52	-41 56.0	4x2	A	312	Conc. in DC 259.1-4.0
DC 259.0-13.2	07 29 05	-46 37.3	8x2	B	257	CG, head 3x1, density A, Z6
DC 259.0+0.8C	08 34 23	-39 11.6	120x65	B	313	Cntr of complex
DC 259.0+3.6	08 45 21	-37 31.7	12x4	B	371	Butterfly shaped
DC 259.1-4.0	08 14 08	-42 04.0	12x2	A	312	Conc. at cntr of DC 259.1-4.0
DC 259.1-4.0C	08 14 08	-42 04.0	45x22	B	312	Cntr of complex
DC 259.1-3.8	08 14 54	-41 58.6	3x2	A	312	Conc. in DC 259.1-4.0
DC 259.2+0.3	08 32 42	-39 42.6	8x3	B	313	Conc. in DC 259.0+0.8
DC 259.2-13.2	07 29 30	-46 51.0	14x2	A	257	L-shaped DC in vague cld,30x25, S101
DC 259.3+0.9	08 35 20	-39 24.2	14x5	B	313	Conc. in DC 259.0+0.8
DC 259.4-12.7	07 32 41	-46 47.7	22x7	B	257	CG, head 4x1, density A, S103, Z4
DC 259.5-16.4	07 12 50	-48 23.9	40x12	A	207	CG, head 5x3, S102, Z13
DC 259.9-4.4	08 14 35	-42 59.2	3x2	B	259	Neb. associated
DC 259.9-0.0	08 33 43	-40 28.1	12x7	A	313	RN associated
DC 260.0-3.8	08 17 33	-42 45.3	5x2	A	259	CG, head 1x1, Z24
DC 260.1+1.6	08 40 54	-39 34.7	12x12	B	313	
DC 260.2+0.7	08 37 41	-40 14.1	22x12	A	313	RN at centre
DC 260.4+0.4C	08 36 49	-40 32.8	22x22	A	313	Cmplx with several small conc., S1
DC 260.4-8.0	07 59 11	-45 18.7	6x3	B	258	RN at centre
DC 260.4+2.2	08 44 22	-39 28.2	16x12	C	313	
DC 260.5-5.2	08 12 55	-43 56.7	3x1.5	A	259	
DC 260.6+0.8	08 39 18	-40 28.4	16x12	A	313	Complex with central conc.
DC 260.6-3.7	08 20 05	-43 08.3	22x12	A	259	
DC 260.6-12.7	07 35 56	-47 49.7	8x1.5	C	257	CG, head tiny, Z25
DC 260.7-12.4	07 37 42	-47 46.2	7x2	B	257	CG, head 3x1.5, density A, Z3
DC 260.8+0.2	08 37 28	-40 58.1	28x22	B	313	
DC 261.3+0.2	08 39 13	-41 24.9	14x6	B	313	
DC 261.5+0.9	08 42 53	-41 08.0	50x45	B	313	Complex region, S2
DC 261.6+3.0	08 51 37	-39 52.3	12x12	C	313	
DC 261.7-4.4	08 20 20	-44 24.8	22x5	B	259	
DC 261.7-12.5	07 40 05	-48 38.5	16x12	B	208	Neb. associated
DC 262.2+0.4	08 42 44	-41 58.6	28x16	C	313	
DC 262.2-12.3	07 42 02	-49 00.3	35x35	B	209	Neb. associated, S104
DC 262.2+1.4	08 47 13	-41 20.5	16x12	B	313	
DC 262.4+2.2	08 51 13	-41 00.9	6x2	B	314	
DC 262.5-13.4	07 37 18	-49 43.8	12x2	A	208	CG, head 3x1, S105, Z14
DC 262.5-0.4	08 40 31	-42 41.9	22x14	B	313	Neb. associated
DC 262.5+2.1	08 51 04	-41 10.3	6x4	B	314	
DC 262.9-15.5	07 26 20	-50 58.3	16x2	A	208	CG, head 2x1, S106, Z16
DC 262.9-14.7	07 31 03	-50 39.1	14x2	A	208	CG, head 3x1, S107, Z15
DC 262.9+2.0	08 51 57	-41 32.4	12x5	B	314	
DC 263.0+1.8	08 51 25	-41 41.0	2x1	A	314	
DC 263.0+1.2	08 49 01	-42 04.9	35x3	A	313	Long dense cloud in DC 263.2+1.6
DC 263.0-12.0	07 46 01	-49 33.5	16x12	B	209	Neb. associated
DC 263.1+1.8	08 51 35	-41 45.9	4x2	A	314	
DC 263.1+1.9	08 52 10	-41 46.4	6x4	A	314	
DC 263.2+1.6C	08 51 18	-42 01.4	100x16	B	313	Complex region, S4
DC 263.4+2.0	08 54 02	-41 53.5	26x5	B	314	
DC 263.5+1.5	08 52 00	-42 15.2	6x1	B	314	
DC 263.7-0.0	08 42 15	-44 03.4	22x12	B	260	
DC 263.9-3.5	08 31 34	-45 42.5	50x16	B	259	Complex region
DC 264.0-11.6	07 51 31	-50 11.0	22x16	A	209	Neb. associated, S108
DC 264.3+2.9	09 00 20	-41 58.2	12x5	C	314	
DC 264.3+1.5C	08 54 42	-42 54.8	90x65	A	260	RN associated, complex region
DC 264.4+5.7	09 11 54	-40 09.2	3x1	A	314	Conc. at cntr of DC 264.4+5.7
DC 264.4+5.7C	09 11 54	-40 09.2	16x5	B	314	Complex region
DC 264.5+5.6	09 11 29	-40 17.1	5x1	A	314	Conc. in DC 264.4+5.7
DC 264.5-11.3	07 54 18	-50 29.8	16x5	B	209	Neb. associated
DC 264.5+5.0	09 09 35	-40 43.7	9x2	A	314	
DC 265.2-0.6	08 48 46	-44 55.8	12x5	B	260	
DC 265.3-0.0	08 51 57	-44 36.6	4x2	A	260	S3
DC 265.3+5.3	09 13 37	-41 01.0	3x1.5	A	314	
DC 265.3+0.6	08 54 43	-44 17.1	12x8	A	260	On edge of DC 266.4-0.1
DC 265.4+0.2	08 53 18	-44 35.2	8x8	A	260	On edge of DC 266.4-0.1
DC 265.4+5.4	09 14 14	-41 06.4	4x1	A	314	2 segments
DC 265.5-0.0	08 04 49	-50 37.8	12x12	B	209	
DC 265.7-7.7	08 17 11	-49 34.4	3x3	A	209	
DC 265.8-7.3	08 19 57	-49 26.3	7x3	A	210	Conc. in DC 265.8-7.4, S109
DC 265.8-7.4C	08 19 40	-49 31.3	85x22	B	210	Cntr of complex, RN associated
DC 266.0-7.5	08 19 32	-49 40.9	8x4	A	210	Conc. in DC 265.8-7.4
DC 266.0+4.3	09 12 14	-42 17.6	12x1.5	A	261	CG, head 2x1.5, (Z7)
DC 266.0-4.3	08 35 18	-47 53.0	3x3	A	259	RN associated
DC 266.1+1.1	08 59 50	-44 31.0	40x16	A	260	Conc. in DC 266.4-0.1
DC 266.1-7.7	08 19 05	-49 56.0	3x2	A	210	Conc. in DC 265.8-7.4
DC 266.3-0.7	08 53 01	-45 50.3	12x8	A	260	Conc. in DC 266.4-0.1

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 266.4-0.1C	08 56 00	-45 31.0	220x90	B	260	Large complex region
DC 266.6+5.0	09 17 17	-42 14.5	35x22	B	315	
DC 266.9+0.6	09 00 14	-45 26.1	12x3	B	260	
DC 267.1-0.7	08 55 51	-46 29.1	5x3	A	260	
DC 267.2-7.2	08 25 06	-50 30.0	2x2	A	210	Sharp rim on NW, S110
DC 267.2-0.0	08 54 55	-46 40.0	4x2	A	260	
DC 267.4-0.9	08 55 45	-46 46.7	5x3	A	260	
DC 267.4-7.5	08 24 17	-50 52.2	3x4	A	210	Conc.in DC 267.6-7.4,bright rim,S111
DC 267.4-1.2	08 54 28	-47 02.0	40x12	B	260	
DC 267.5-7.4	08 25 12	-50 51.7	2x2	A	210	Conc.in DC 267.6-7.4,bright rim,S112
DC 267.6-6.4	08 30 31	-50 22.6	2x2	A	210	
DC 267.6-6.0	08 32 38	-50 08.0	12x2	A	210	Crescent shaped, S113
DC 267.6+4.3	09 18 08	-43 24.3	50x22	B	261	Large complex
DC 267.6-7.4C	08 25 35	-50 58.0	28x22	B	210	Cntr of complex
DC 267.7-7.4	08 26 04	-51 00.7	4x5	A	210	Conc. in DC 267.6-7.4
DC 267.9+0.6	09 04 16	-46 10.7	28x35	A	260	
DC 267.9+3.6	09 16 56	-44 06.5	4x2	A	261	
DC 267.9-7.8	08 24 46	-51 29.4	3x1.5	A	210	Faint extn to SE
DC 268.0+1.8	09 10 00	-45 26.6	45x16	B	261	Complex region, RN assoc., (S114)
DC 268.1-9.5	08 15 51	-52 34.0	2x2	A	210	
DC 268.2-9.7	08 15 15	-52 45.2	2x2	A	210	
DC 268.2-8.9	08 19 58	-52 16.8	4x2	A	210	
DC 268.2-9.5	08 16 33	-52 39.7	16x3	B	164	
DC 268.2-2.7	08 51 17	-48 34.8	12x12	B	211	Complex with RN associated
DC 268.3-3.2	08 48 58	-48 55.2	35x12	B	211	
DC 268.3-1.9	08 55 04	-48 05.2	28x28	C	211	
DC 268.4-1.2	08 58 42	-47 42.5	6x6	A	260	Conc. in DC 266.4-0.1
DC 268.9+0.3	09 07 12	-47 07.1	55x22	B	261	Extensive complex
DC 268.9-1.2	09 00 39	-48 09.9	12x5	B	211	
DC 269.1-1.3	09 01 03	-48 22.9	8x5	C	211	Neb. to SW
DC 269.3+2.2	09 16 50	-46 05.5	12x3	B	261	
DC 269.4+3.0	09 20 29	-45 36.0	14x4	A	261	CG(?), head 3x3, S115
DC 269.5-7.6	08 31 39	-52 35.5	45x16	C	165	Neb. associated
DC 269.5+4.0	09 24 27	-44 58.0	8x4	A	261	S116
DC 269.7-3.9	08 51 04	-50 28.7	2.5x0.5	A	211	CG, head 0.5x0.5, Z18
DC 269.9-11.1	08 13 30	-54 53.0	28x5	B	164	
DC 269.9+1.8	09 17 22	-46 46.2	7x3	A	261	
DC 270.1+4.2	09 27 39	-45 12.8	22x4	B	261	S117
DC 270.2-1.0	09 06 49	-48 59.0	22x22	B	211	
DC 270.3+2.9	09 23 37	-46 19.4	80x45	B	261	Complex region
DC 270.6-4.7	08 51 04	-51 40.5	3x1	A	211	CG, head 1x1, Z17
DC 270.7+0.5C	09 15 29	-48 15.3	130x130	B	211	Large complex region
DC 270.8-8.5	08 32 07	-54 13.7	80x28	B	164	Complex with neb. associated
DC 270.9-1.6	09 07 18	-49 53.1	7x3	B	211	
DC 271.4+4.8	09 35 50	-45 36.2	75x22	A	262	Complex region, S5
DC 271.6+1.7	09 24 20	-48 02.0	3x2	A	212	Conc. in DC 271.9+1.7
DC 271.6+1.6	09 23 58	-48 10.6	4x2	A	212	Conc. in DC 271.9+1.7
DC 271.7+1.8	09 25 27	-48 03.7	3x2	A	212	Conc. in DC 271.9+1.7
DC 271.8-1.3	09 12 05	-50 17.9	4x3	B	211	
DC 271.9+1.7C	09 25 38	-48 13.1	45x22	B	212	Cntr of complex
DC 272.0+1.7	09 25 47	-48 19.8	8x2	A	212	Conc. in DC 271.9+1.7
DC 272.0-0.2	09 18 14	-49 41.8	8x5	A	212	
DC 272.1+1.8	09 26 34	-48 20.1	3x2	A	212	Conc. in DC 271.9+1.7
DC 272.1-3.4	09 03 53	-51 57.7	5x2	B	211	
DC 272.1-15.6	07 52 51	-59 04.5	12x12	C	124	Neb. associated
DC 272.2+1.9	09 27 20	-48 19.4	8x2	A	212	Conc. in DC 271.9+1.7
DC 272.5+2.0	09 29 15	-48 25.1	4x2	A	212	
DC 272.5-3.9	09 02 57	-52 37.6	22x12	B	211	
DC 273.0+3.7	09 38 28	-47 28.1	35x16	C	212	
DC 273.2+2.4	09 34 15	-48 40.1	6x4	A	212	
DC 273.3+2.5	09 34 55	-48 38.4	4x3	A	212	
DC 273.3+3.1	09 37 19	-48 12.0	6x4	B	212	
DC 273.4-2.1	09 15 25	-52 02.7	5x3	B	212	
DC 273.4+2.8	09 36 39	-48 29.7	20x2	A	212	L-shaped
DC 273.6+3.0	09 38 31	-48 29.4	3x3	B	212	
DC 273.7-0.2	09 25 15	-50 51.5	22x5	B	212	S119
DC 273.8+3.2	09 39 50	-48 27.0	7x1	A	212	
DC 273.8+3.0	09 39 15	-48 35.1	3x3	B	212	
DC 273.8+2.7	09 38 00	-48 49.4	16x5	B	212	
DC 273.9-1.6	09 20 11	-51 59.1	3x2	B	212	RN to S
DC 274.0+0.1	09 28 14	-50 49.6	22x12	B	212	
DC 274.1+3.9	09 44 00	-48 04.3	1.5x1.0	A	212	Small CG
DC 274.1+2.7	09 39 22	-48 59.2	8x3	A	212	
DC 274.2-0.4	09 27 05	-51 23.5	5x3	A	212	S120
DC 274.3+3.4	09 43 10	-48 37.5	4x2	A	212	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 274.4-15.8	07 59 26	-61 03.7	12x2	C	124	Neb. associated
DC 274.7+3.7	09 46 05	-48 36.4	12x3	B	212	
DC 274.7-1.5	09 24 15	-52 30.4	12x12	C	166	Neb. associated
DC 274.7+0.0	09 31 22	-51 25.1	45x28	B	212	
DC 274.9+0.0	09 36 18	-50 50.5	5x4	B	212	
DC 275.3-0.4	09 31 58	-52 05.5	16x8	C	166	
DC 275.3+0.8	09 37 08	-51 15.1	4x2	A	212	
DC 275.3+2.1	09 42 38	-50 17.0	5x4	B	212	
DC 275.4+0.0	09 34 13	-51 51.1	8x2	B	212	
DC 275.5+2.1	09 43 38	-50 24.7	4x2	A	212	
DC 275.7+2.0	09 44 17	-50 33.2	12x7	B	212	
DC 275.7+0.3	09 37 15	-51 51.9	12x6	B	212	
DC 275.7+4.5	09 54 12	-48 38.1	12x5	B	213	
DC 275.9+1.9	09 44 45	-50 49.7	12x6	A	212	S121
DC 276.2-10.6	08 43 07	-59 43.1	4x3	A	125	RN to SE
DC 276.3-0.6	09 36 36	-52 56.5	22x12	C	166	
DC 276.4+0.0	09 43 35	-51 51.0	28x16	C	212	
DC 276.5+1.9	09 47 40	-51 09.3	6x2	B	213	
DC 276.6-14.5	08 18 42	-62 15.9	7x5	C	124	Neb. associated
DC 276.8-10.4	08 47 10	-60 00.2	4x3	C	125	Neb. associated
DC 276.9+1.7	09 48 57	-51 30.3	16x3	B	213	
DC 277.0-2.4	09 31 37	-54 41.8	22x12	C	166	
DC 277.7-2.5	09 34 50	-55 14.3	5x3	B	167	
DC 278.1+0.9	09 51 36	-52 53.6	55x35	C	167	
DC 278.2-2.1	09 39 00	-55 16.7	28x5	C	166	
DC 278.5-4.9	09 27 06	-57 34.9	4x3	C	126	
DC 278.6+2.9	10 02 08	-51 37.0	35x12	C	213	
DC 278.6-0.9	09 46 43	-54 42.5	35x5	B	167	RN associated
DC 279.0-16.1	08 17 17	-65 02.7	16x12	C	89	Neb. associated
DC 279.1-0.6	09 50 21	-54 44.7	12x12	B	167	Complex region
DC 279.2-2.4	09 43 04	-56 11.9	16x3	B	167	
DC 279.5+1.1	09 59 57	-53 39.8	16x8	C	167	
DC 279.9-7.0	09 23 40	-60 07.2	3x3	C	126	Neb. associated
DC 280.0-7.7	09 20 17	-60 37.0	16x3	C	126	Neb. associated
DC 280.0-0.0	09 58 07	-54 51.0	5x5	C	167	
DC 280.4+1.9	10 08 06	-53 30.1	55x16	C	167	
DC 280.5-2.1	09 51 53	-56 47.1	22x6	C	167	
DC 281.7-4.4	09 48 00	-59 15.6	12x8	C	126	
DC 282.4+0.5C	10 13 56	-55 46.7	270x110	C	168	Very large complex
DC 282.7-2.5	10 03 06	-58 25.7	3x2	B	127	RN associated
DC 282.8-3.2	10 00 35	-59 00.2	22x7	C	127	
DC 283.8-3.4	10 05 51	-59 48.1	3x2	B	127	RN associated
DC 284.1-3.1	10 09 27	-59 46.2	3x2	B	127	
DC 284.4-20.4	08 02 08	-71 39.7	8x6	C	59	Neb. associated
DC 284.4-2.5	10 14 09	-59 26.4	35x22	B	127	
DC 284.5-0.8	10 21 28	-58 03.4	40x5	C	127	
DC 284.7-3.1	10 13 32	-60 04.1	6x2	B	127	
DC 284.8-1.6	10 20 32	-58 50.1	28x16	C	127	Complex region
DC 284.9-20.8	08 01 03	-72 15.8	55x7	C	59	Neb. associated
DC 285.0+0.9	10 31 30	-56 50.4	22x7	C	168	
DC 285.3+0.3	10 31 17	-57 27.7	16x12	B	128	
DC 285.3-1.6	10 23 39	-59 09.9	3x2	A	127	
DC 285.3-0.4	10 28 45	-58 05.6	28x3	B	127	
DC 285.4+1.1	10 34 28	-56 50.7	5x3	B	168	
DC 285.6+5.4	10 49 48	-53 05.9	8x4	B	169	
DC 285.7-0.6	10 30 01	-58 27.4	28x16	B	127	Star with RN at edge
DC 285.7+4.2	10 46 32	-54 16.5	6x3	B	169	Neb. associated
DC 285.8-1.6	10 27 17	-59 21.3	16x12	C	127	
DC 285.9+4.5	10 49 17	-54 03.2	22x12	B	169	RN associated
DC 286.0+1.0	10 38 18	-57 11.1	16x4	C	168	
DC 286.0+5.1	10 51 36	-53 34.2	12x4	B	169	
DC 286.2+5.5	10 53 47	-53 15.8	7x4	B	169	
DC 286.2+0.4	10 37 20	-57 52.3	35x8	B	128	Adjacent to Eta Carina Neb.
DC 286.2-0.7	10 33 15	-58 50.5	12x8	B	128	
DC 286.2-1.3	10 31 06	-59 22.0	4x4	B	127	RN associated
DC 286.3+3.3	10 47 35	-55 18.0	16x5	B	169	RN associated
DC 286.4-0.4	10 35 29	-58 40.4	16x7	B	128	
DC 286.5-3.1	10 25 35	-60 58.5	12x12	B	127	
DC 286.5+0.4	10 39 04	-58 00.3	14x7	B	128	
DC 286.5+0.7	10 40 23	-57 45.0	22x5	B	128	
DC 286.8-3.0	10 28 09	-61 07.8	28x2	B	127	
DC 286.9-3.7	10 25 46	-61 43.7	12x2	B	127	
DC 287.0+2.9	10 50 46	-55 58.5	16x8	B	169	RN associated
DC 287.1-2.7	10 31 05	-61 00.0	16x5	B	128	Neb. associated
DC 287.1-1.5	10 36 20	-59 56.1	3x2	A	128	Within Eta Carina Neb.

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 287.1+0.5	10 43 58	-58 11.4	16x3	B	128	
DC 287.1+2.4	10 50 19	-56 30.0	6x5	B	169	RN associated
DC 287.2+1.2	10 46 37	-57 36.5	12x8	C	128	
DC 287.2+0.1	10 43 23	-58 33.9	22x12	B	128	
DC 287.3-2.4	10 34 10	-60 52.0	5x2	B	128	Two conc., each density A
DC 287.3-3.3	10 30 41	-61 37.5	3x4	B	127	
DC 287.4+0.6	10 46 21	-58 16.4	12x3	B	128	
DC 287.6+8.0	11 08 49	-51 33.6	16x8	B	215	
DC 287.7-1.2	10 41 27	-59 59.3	5x3	A	128	Within Eta Carina Neb., S123
DC 287.7+4.1	10 59 28	-55 12.1	6x3	C	169	
DC 287.8+2.0	10 53 26	-57 12.4	12x4	B	169	
DC 287.9+2.3	10 55 14	-56 58.5	14x4	B	169	
DC 288.0+2.0	10 55 12	-57 13.5	16x5	B	169	
DC 288.1+0.9	10 51 39	-58 16.2	12x3	B	128	
DC 288.2-0.2	10 48 54	-59 15.6	14x5	B	128	
DC 288.3+1.2	10 53 55	-58 07.4	3x3	B	128	
DC 288.3+7.3	11 11 04	-52 31.5	12x5	B	215	Neb. associated
DC 288.3+1.1	10 53 38	-58 13.1	7x2	B	128	
DC 288.6-0.1	10 52 03	-59 26.3	16x4	A	128	
DC 288.7+0.3	10 53 59	-59 03.6	4x4	B	128	
DC 288.7+0.5	10 54 43	-58 53.0	12x3	B	128	
DC 288.8+1.0	10 57 00	-58 28.6	22x12	B	128	
DC 288.8+2.5	11 01 50	-57 07.1	14x3	C	169	
DC 288.9+1.6	10 59 39	-57 59.1	3x2	B	128	
DC 289.0-3.8	10 40 42	-62 54.0	6x3	B	93	RN at centre
DC 289.0+1.3	10 59 17	-58 16.9	12x12	B	128	
DC 289.0-5.8	10 32 41	-64 35.7	22x5	A	93	
DC 289.1+1.6	11 01 16	-58 06.6	7x5	B	128	
DC 289.2+1.8	11 02 36	-57 54.8	5x1	A	128	
DC 289.3-2.8	10 47 05	-62 07.2	3x3	A	93	
DC 289.4+0.1	10 58 35	-59 30.8	16x7	B	128	Neb. associated
DC 289.8-3.2	10 49 31	-62 43.6	12x3	B	93	RN at centre
DC 290.4+1.9	11 11 13	-58 19.8	28x12	B	129	Complex region, neb. to S
DC 290.5+1.7	11 10 58	-58 32.4	4x1	B	129	CG with bright rim
DC 290.7+1.1	11 10 39	-59 08.1	22x16	B	129	
DC 290.9-2.1	11 02 35	-62 12.8	12x12	B	93	
DC 291.0-3.5	10 57 57	-63 28.2	22x3	A	93	S124
DC 291.0+2.1	11 16 03	-58 20.1	8x5	C	129	
DC 291.1-1.7	11 05 03	-61 49.6	6x3	A	93	Sharp rim to NE, S125
DC 291.1+1.7	11 15 14	-58 40.5	7x2	B	129	
DC 291.1-2.9	11 01 27	-62 59.2	12x12	C	93	
DC 291.2+1.1	11 14 04	-59 20.5	14x4	C	129	
DC 291.3-1.8	11 06 58	-62 02.7	16x3	A	93	S126
DC 291.4-0.9	11 10 03	-61 13.8	35x16	B	129	Neb. associated
DC 291.4-0.2	11 12 19	-60 36.7	4x2	A	129	S127
DC 291.4-4.2	10 59 10	-64 17.8	12x12	C	93	
DC 291.6+0.9	11 16 43	-59 36.5	6x4	C	129	
DC 291.6+0.0	11 14 20	-60 27.0	12x16	A	129	
DC 291.9-0.9	11 14 06	-61 24.1	22x12	B	129	
DC 292.0+2.1	11 22 32	-58 40.4	12x7	B	129	RN associated
DC 292.0-2.0	11 11 39	-62 28.5	12x16	C	93	
DC 292.1-0.9	11 15 58	-61 31.5	22x16	B	129	
DC 292.3-0.4	11 18 13	-61 05.6	16x16	B	129	
DC 292.3-3.7	11 08 37	-64 13.0	16x3	A	93	S128
DC 292.5+2.2	11 26 58	-58 41.0	16x5	C	129	
DC 292.7-3.3	11 12 54	-63 56.9	5x5	B	93	
DC 292.9+1.3	11 27 49	-59 40.8	3x3	B	129	RN associated
DC 293.0-4.4	11 11 30	-65 04.3	5x5	B	93	
DC 293.1+0.6	11 27 16	-60 25.9	1.5x1.5	A	129	On edge of DC 293.1+0.3
DC 293.1+0.3C	11 26 49	-60 44.3	22x12	B	129	Cntr of complex
DC 293.2-2.8	11 18 31	-63 38.9	12x5	B	93	
DC 293.2+0.4	11 27 39	-60 41.7	3x1	A	129	Conc. in DC 293.1+0.3
DC 293.3-4.4	11 14 31	-65 13.3	7x5	C	93	
DC 293.3+0.1	11 27 53	-60 56.8	2x1	A	129	
DC 293.3-0.6	11 26 05	-61 41.1	7x3	B	129	
DC 293.3-0.9	11 25 36	-61 53.4	3x2.5	A	129	Conc. in DC 293.5-0.8, S129
DC 293.5-3.0	11 20 30	-63 54.7	7x7	B	93	
DC 293.5-0.8C	11 27 07	-61 55.0	28x5	B	129	Cntr of complex
DC 293.6-2.0	11 24 48	-63 01.4	3x3	B	93	
DC 294.0+6.3	11 45 41	-55 12.8	4x2	B	170	
DC 294.2+6.1	11 46 35	-55 23.7	5x3	C	170	
DC 294.2-19.0	09 46 30	-78 21.0	35x35	C	18	Neb. associated
DC 294.3-2.0	11 30 08	-63 12.9	8x6	B	94	RN associated, sharp rim to E
DC 294.3-0.8	11 33 13	-62 05.5	6x3	B	129	
DC 294.3+2.7	11 41 06	-58 45.9	3x2	A	129	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 294.3-0.1	11 35 12	-61 28.0	2x1	A	129	
DC 294.4-3.1	11 28 06	-64 18.7	22x22	C	93	
DC 294.4-0.9	11 34 13	-62 15.3	7x3	B	129	
DC 294.5-2.8	11 29 46	-64 06.7	4x4	A	94	Conc. in DC 294.6-2.9
DC 294.5-1.6	11 33 06	-62 58.2	5x4	B	94	On edge of IC 2944
DC 294.6-2.9C	11 31 04	-64 13.0	28x4	B	94	Cntr of complex
DC 294.7-2.1	11 33 51	-63 26.8	12x7	B	94	On edge of IC 2944
DC 294.8-2.9	11 32 27	-64 18.1	3x5	A	94	Conc. in DC 294.6-2.9, S130
DC 294.9+0.1	11 40 27	-61 27.7	2x1	A	130	
DC 294.9-2.6	11 34 30	-63 59.0	28x16	C	94	
DC 295.0+0.8	11 42 25	-60 48.3	8x3	B	129	
DC 295.0+3.4	11 47 31	-58 16.4	6x4	A	130	S131
DC 295.0+1.3	11 43 46	-60 17.1	5x3	B	129	
DC 295.1-2.0	11 37 12	-63 28.9	3x5	B	94	On edge of IC 2944
DC 295.2+0.0	11 44 52	-60 39.9	5x1	B	130	
DC 295.3-12.8	10 57 43	-73 44.5	12x12	B	38	Neb. associated
DC 295.4+0.5	11 45 34	-61 09.4	3x2	A	129	RN associated
DC 295.5+0.4	11 45 43	-61 13.9	2x2	A	129	
DC 295.7+0.0	11 49 00	-60 46.2	2x2	A	130	
DC 295.8-0.3	11 46 34	-62 03.7	12x7	B	129	RN associated
DC 296.1-2.5	11 44 45	-64 14.7	22x16	C	94	
DC 296.2-7.9	11 30 35	-69 25.8	16x12	C	63	
DC 296.2-15.8	10 49 32	-76 48.7	16x5	A	38	S132
DC 296.2-3.6	11 43 34	-65 17.3	14x4	B	94	RN associated
DC 296.4-2.9	11 46 15	-64 43.0	28x8	B	94	RN to NE
DC 296.5-15.7	10 54 57	-76 51.4	16x12	A	38	S133
DC 296.8-14.5	11 07 43	-75 54.0	45x16	B	38	Neb. associated, S134
DC 297.0-1.7	11 54 11	-63 42.2	4x2	B	94	
DC 297.0+2.3	12 01 22	-59 45.2	3x2	A	130	
DC 297.1-16.1	11 01 04	-77 25.8	18x8	A	38	Conc. in DC 297.2-15.6
DC 297.2-15.1	11 08 58	-76 33.1	28x8	A	38	Conc. in DC 297.2-15.6
DC 297.2-15.6C	11 05 23	-77 01.8	100x45	B	38	Cntr of complex, S135
DC 297.3-15.6	11 06 40	-77 05.6	22x12	A	38	Conc. in DC 297.2-15.6, RN to W
DC 297.3+2.2	12 03 40	-59 52.5	3x1.5	A	130	RN associated
DC 297.7-2.8	11 59 10	-64 52.4	8x3	A	95	S136
DC 298.1-2.8	12 02 48	-65 00.6	5x3	B	95	Conc. in DC 298.3-2.7, S137
DC 298.3-13.1	11 36 21	-75 01.0	14x6	A	39	S138
DC 298.3-2.7C	12 04 03	-64 54.5	22x3	B	95	Cntr of complex
DC 298.3-4.5	12 01 11	-66 37.5	7x7	C	94	
DC 298.3-2.8	12 04 31	-65 02.0	4x1.5	A	95	
DC 298.7+3.4	12 15 39	-58 57.0	6x3	A	130	
DC 298.7+3.8	12 16 11	-58 34.5	16x8	B	130	
DC 299.0-4.0	12 08 55	-66 16.4	14x8	B	94	Conc. at W side
DC 299.3+0.5	12 17 08	-61 51.7	45x16	B	130	
DC 299.4+5.4	12 22 24	-57 03.0	9x6	B	172	
DC 299.5+5.9	12 23 35	-56 31.8	3x2	B	172	
DC 299.6+5.6	12 23 54	-56 49.2	6x3	A	172	
DC 300.0-3.7	12 19 21	-66 10.5	3x2	A	95	
DC 300.1+4.6	12 27 05	-57 51.5	8x5	B	172	
DC 300.1-2.7	12 21 31	-65 05.8	24x2	B	95	Crescent shaped
DC 300.2-3.5	12 21 24	-65 54.1	8x4	A	95	S139
DC 300.2+5.0	12 28 19	-57 30.0	7x4	C	172	
DC 300.2-16.9	11 52 08	-79 11.1	22x16	C	20	
DC 300.6-3.1	12 25 27	-65 37.4	9x4	A	95	S140
DC 300.6-3.0	12 25 43	-65 27.2	16x3	B	95	
DC 300.7-1.0	12 28 00	-63 31.9	16x16	A	95	S142
DC 300.7-1.5	12 27 44	-64 02.3	7x3	C	95	
DC 300.7+5.2	12 31 52	-57 20.8	12x8	C	172	
DC 300.9-2.6	12 29 01	-65 05.2	55x22	B	95	
DC 300.9-1.0	12 30 12	-63 33.9	55x5	A	95	Crescent shaped
DC 301.0-8.6C	12 24 35	-71 08.6	150x12	A	64	Complex region, S141,S143,S145
DC 301.0-15.8	12 11 05	-78 17.8	12x5	A	20	Neb. associated
DC 301.2-0.4	12 33 25	-62 56.1	5x2	A	131	S144
DC 301.4-7.9	12 29 28	-70 28.7	6x2	A	64	CG(?), in DC 301.0-8.6
DC 301.5-7.7	12 31 21	-70 12.3	4x2	A	64	
DC 301.5-2.8	12 34 56	-65 21.5	16x8	B	95	Conc. in DC 301.7-2.6
DC 301.6-7.8	12 32 08	-70 23.3	22x4	A	64	Conc. in DC 301.0-8.6, S146
DC 301.6+7.6	12 39 19	-54 57.7	8x4	A	172	
DC 301.6+4.7	12 38 35	-57 53.1	8x6	B	172	
DC 301.6-1.4	12 36 31	-63 58.7	22x3	C	95	
DC 301.7-6.7	12 33 55	-69 14.2	7x6	A	64	Neb. associated, S147
DC 301.7-16.6	12 22 26	-79 06.3	28x12	B	20	Neb. associated
DC 301.7-7.2	12 34 07	-69 43.4	7x2	A	64	CG(?), S149, Z21
DC 301.7-2.6	12 36 42	-65 10.0	5x2	A	95	Conc. at cntr of DC 301.7-2.6, S148
DC 301.7-2.6C	12 36 42	-65 10.0	40x35	B	95	Cntr of complex

TABLE 1 *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 301.7+7.7	12 40 12	-54 54.0	7x3	A	172	
DC 301.8-4.5	12 36 14	-67 02.3	4x3	B	64	Neb. associated
DC 302.0+0.8	12 40 12	-61 49.6	16x4	B	131	S150
DC 302.0-17.7	12 26 50	-80 15.7	16x3	A	21	Conc. in DC 302.3-17.7
DC 302.0-7.0	12 37 50	-69 35.8	4x1.5	A	64	CG(?), S151, Z20
DC 302.1+7.4	12 42 48	-55 09.0	14x3	A	172	CG, head 2x1, Z19
DC 302.3-17.7	12 32 17	-80 16.3	12x4	A	21	Conc. at cntr of DC 302.3-17.7
DC 302.3-17.7C	12 32 17	-80 16.3	65x35	B	21	Cntr of complex
DC 302.3-3.7	12 42 15	-66 14.7	7x7	B	96	
DC 302.4+1.4	12 43 51	-61 10.7	12x12	B	131	Conc. at W edge of DC 303.8+1.3
DC 302.5-17.5	12 37 22	-80 03.3	5x1	A	21	Conc. in DC 302.3-17.7
DC 302.6-2.2	12 44 54	-64 47.5	16x12	C	96	
DC 302.6-15.9	12 40 59	-78 31.8	6x3	A	21	Neb. associated
DC 302.6-6.4	12 44 42	-68 58.5	5x3	A	65	Neb. associated, S152
DC 302.7-2.9	12 45 39	-65 32.8	12x12	B	96	
DC 302.7+4.7	12 46 57	-57 55.3	16x4	B	172	
DC 302.8-16.8	12 44 59	-79 23.0	3x3	A	21	Conc. in DC 303.0-16.6
DC 302.8+1.3	12 47 24	-61 18.7	35x35	B	131	Conc. in DC 303.8+1.3, RN at cntr
DC 302.9-14.1	12 46 50	-76 39.1	12x5	A	40	Conc. in DC 303.3-14.4, S153
DC 302.9-16.8	12 46 35	-79 21.9	5x2	A	21	Conc. in DC 303.0-16.6
DC 302.9+0.2	12 48 28	-62 22.1	35x12	B	96	
DC 303.0-16.6C	12 48 53	-79 11.5	100x22	B	21	Cntr of complex
DC 303.0-17.5	12 49 24	-80 07.0	14x3	A	21	Conc. in DC 303.0-16.6
DC 303.0-14.3	12 49 26	-76 51.3	12x12	A	40	Conc. in DC 303.3-14.3, S154
DC 303.1-16.1	12 51 17	-78 41.0	8x7	A	21	Conc. in DC 303.0-16.6, neb. assoc.
DC 303.1+8.1	12 50 00	-54 29.6	5x5	C	172	
DC 303.2-13.8	12 51 32	-76 25.7	8x6	A	40	Conc. in DC 303.3-14.3
DC 303.2-1.2	12 50 25	-63 48.6	12x12	B	96	
DC 303.2-17.3	12 52 53	-79 55.6	6x3	A	21	Bright rimmed conc. in DC 303.0-16.6
DC 303.3-0.5	12 51 15	-63 04.1	22x22	A	96	Conc. in DC 303.8+1.3
DC 303.3+1.3	12 51 19	-61 16.8	12x3	A	131	Conc. in DC 303.8+1.3, S155
DC 303.3-16.3	12 55 13	-78 51.3	6x3	A	21	Conc. in DC 303.3-14.3
DC 303.3-14.3C	12 54 32	-76 55.9	110x65	A	40	Cntr of complex, (S156)
DC 303.4-1.6	12 52 44	-64 12.0	12x12	B	96	
DC 303.5-14.4	12 57 16	-76 59.9	9x5	A	40	Conc. in DC 303.3-14.3
DC 303.6+1.4	12 53 47	-61 12.3	5x5	A	132	Conc. in DC 303.8+1.3
DC 303.6+0.9	12 53 59	-61 40.3	9x3	A	132	Conc. in DC 303.8+1.3, S157
DC 303.6-14.5	12 59 23	-77 06.9	3x3	A	40	Conc. in DC 303.3-14.3
DC 303.6-3.3	12 55 12	-65 52.2	35x5	B	96	
DC 303.7-3.5	12 55 27	-66 08.4	5x2	B	96	Neb. associated
DC 303.7-14.5	13 01 13	-77 07.9	6x5	A	40	Conc. in DC 303.3-14.3, S158
DC 303.7-14.8	13 01 28	-77 24.7	3x3	A	40	Conc. in DC 303.3-14.3, S159
DC 303.7-15.0	13 01 55	-77 36.7	4x3	A	40	Conc. in DC 303.3-14.3
DC 303.7-15.2	13 02 30	-77 46.3	4x4	A	40	Conc. in DC 303.3-14.3
DC 303.8+1.3C	12 55 47	-61 16.7	190x65	B	131	Complex, part of Coalsack
DC 303.8+1.4	12 55 51	-61 13.4	8x4	A	132	Conc. in DC 303.8+1.3
DC 303.8+1.5	12 55 51	-61 04.1	3x5	A	132	Conc. in DC 303.8+1.3
DC 303.8-14.2	13 03 02	-76 44.9	14x6	A	40	Conc.in DC303.3-14.3,bright rim,S160
DC 303.8-3.8	12 57 17	-66 26.1	22x12	B	96	
DC 303.9-1.3	12 56 59	-63 53.3	12x8	B	96	
DC 304.1-1.5	12 58 37	-64 02.5	5x5	A	96	
DC 304.1-1.1	12 58 58	-63 38.9	7x7	B	96	
DC 304.2-0.7	13 00 00	-63 17.2	8x3	B	96	Conc. in DC 304.7-0.3
DC 304.2+1.7	12 59 12	-60 51.6	9x9	A	132	Conc. in DC 303.8+1.3, S162
DC 304.3+1.2	12 59 29	-61 20.9	12x6	B	132	Conc. in DC 303.8+1.3, (S161)
DC 304.4+0.2	13 00 55	-62 19.3	35x12	B	96	
DC 304.7-0.3C	13 04 09	-62 50.9	100x45	C	96	Cntr of complex
DC 304.8+1.5	13 04 14	-61 05.2	7x7	B	132	Conc. in DC 303.8+1.3
DC 304.9+0.6	13 05 22	-61 58.1	22x16	A	132	Stars with RN associated
DC 305.0-3.6	13 08 34	-66 07.6	12x5	B	96	
DC 305.1-3.3	13 09 13	-65 48.3	5x3	B	96	
DC 305.1-2.3	13 09 07	-64 49.0	3x3	B	96	
DC 305.2-1.6	13 09 02	-64 09.8	12x5	B	96	
DC 305.2+1.2	13 07 14	-61 18.4	14x7	B	132	Conc. at E edge of DC 303.8+1.3
DC 305.8-1.3	13 14 28	-63 48.6	16x5	B	96	
DC 305.9-1.9	13 16 05	-64 19.5	7x5	A	96	
DC 306.0-2.5	13 17 00	-64 57.3	5x3	B	96	
DC 306.1+0.0	13 15 31	-62 26.2	6x4	A	132	Conc. in DC 306.3+0.2, RN assoc.
DC 306.2+0.1	13 16 15	-62 17.7	6x2	A	132	Conc. in DC 306.3+0.2, RN assoc.
DC 306.2-0.3	13 17 06	-62 43.5	12x5	B	132	RN associated
DC 306.3+0.2C	13 17 34	-62 15.9	35x35	A	132	Cntr of complex
DC 306.5+5.0	13 14 40	-57 24.7	12x6	B	132	S163
DC 306.6-1.1	13 21 31	-63 27.3	6x3	B	96	
DC 306.8+0.6	13 21 25	-61 43.6	6x6	B	132	
DC 306.9-1.4	13 24 00	-63 45.8	22x3	C	96	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 306.9-0.1	13 22 32	-62 23.9	28x12	B	132	
DC 306.9-1.8	13 25 08	-64 10.1	35x22	C	96	
DC 307.1+6.5	13 18 25	-55 52.6	5x3	B	173	
DC 307.2-1.0	13 26 06	-63 18.7	5x5	B	96	
DC 307.2+1.3	13 23 51	-60 59.3	16x5	C	132	
DC 307.2+0.1	13 25 31	-62 12.0	4x3	A	132	
DC 307.3+2.9	13 22 34	-59 27.3	3x3	A	132	Star with RN at centre
DC 307.4+6.6	13 20 00	-55 44.0	7x4	C	173	
DC 307.4+6.4	13 20 21	-55 58.8	4x4	B	173	
DC 307.4+4.4	13 22 11	-57 55.5	6x3	B	173	
DC 307.4+5.3	13 21 22	-57 01.4	1.5x1.5	A	173	
DC 307.7-1.4	13 31 24	-63 35.9	12x5	B	97	
DC 307.9-0.8	13 32 04	-62 57.1	4x3	B	97	Filamentary extn to S
DC 308.0+2.1	13 29 01	-60 05.3	16x5	A	132	RN associated
DC 308.0-1.2	13 33 52	-63 22.0	22x12	B	97	
DC 308.0-0.2	13 32 43	-62 21.4	16x12	B	132	
DC 308.1+14.2	13 18 51	-48 05.7	12x12	C	220	Neb. associated
DC 308.2-0.8	13 35 16	-62 53.5	35x16	B	97	Complex region
DC 308.3+5.8	13 26 55	-56 24.9	22x7	C	174	
DC 308.4-0.2	13 35 44	-62 17.7	5x3	B	132	
DC 308.5+1.3	13 33 57	-60 48.4	12x5	B	132	
DC 308.5+0.3	13 35 28	-61 46.8	22x7	B	133	
DC 308.6+0.1	13 36 43	-61 57.6	35x3	B	133	
DC 308.6-1.5	13 39 29	-63 36.0	65x35	B	97	Complex region
DC 309.0+2.9	13 36 09	-59 09.6	8x6	B	132	
DC 309.3+6.2	13 33 43	-55 54.0	22x7	C	174	
DC 309.3+2.2	13 39 29	-59 46.8	35x16	C	133	
DC 309.3+7.2	13 32 52	-54 52.4	28x7	C	174	
DC 309.4-1.9	13 47 25	-63 45.9	16x5	B	97	
DC 309.5-0.9	13 45 52	-62 46.4	45x28	C	97	Complex region
DC 309.7-5.4	13 58 07	-67 05.2	4x3	B	97	
DC 309.7-0.0	13 48 27	-62 48.9	5x5	B	97	On E edge of DC 309.5-0.9
DC 310.2-1.6	13 53 28	-63 20.2	5x3	B	97	
DC 310.2-1.9	13 54 36	-63 36.7	8x4	B	97	RN associated
DC 310.4-22.2	16 24 17	-81 32.7	22x5	A	23	Neb. associated
DC 310.4+2.3	13 47 44	-59 30.2	12x1	B	133	
DC 310.4+3.9	13 45 17	-57 52.0	14x7	C	174	
DC 310.5+5.8	13 42 40	-56 01.2	22x22	C	174	
DC 310.5-2.0	13 57 22	-63 38.8	22x3	B	97	U-shaped
DC 310.6+5.3	13 44 34	-56 31.5	22x16	C	174	
DC 310.6-2.4	13 59 31	-63 57.1	5x3	B	97	
DC 310.7-21.0	16 05 47	-80 28.7	16x3	A	23	Neb. associated
DC 310.9-1.4	13 58 47	-62 54.3	3x3	B	97	
DC 311.3+6.1	13 47 47	-55 35.5	22x16	C	174	
DC 311.4-19.4	15 51 48	-78 54.0	22x4	B	23	Neb. associated
DC 311.5+2.6	13 55 09	-58 53.4	3x2	B	133	
DC 311.6-21.8	16 33 50	-80 24.1	12x8	B	23	Neb. associated
DC 311.7-0.3	14 03 27	-61 39.6	12x8	B	133	
DC 311.9+2.6	13 58 02	-58 46.0	8x2	B	133	
DC 311.9+8.4	13 48 28	-53 10.8	28x12	C	174	
DC 312.1+2.8	13 59 32	-58 31.2	14x3	B	133	
DC 312.3+3.1	14 00 46	-58 13.7	7x2	B	133	
DC 312.5+3.0	14 02 03	-58 17.1	7x4	B	133	
DC 312.5-22.6	17 01 57	-80 07.7	35x12	A	23	Conc. in DC 314.0-22.3, neb. assoc.
DC 312.8+3.2	14 03 46	-58 00.3	6x5	B	175	
DC 313.1-28.7	19 30 56	-80 58.5	60x45	B	25	Complex, neb. associated
DC 313.3+3.7	14 06 07	-57 23.7	3x2	B	175	Conc. in DC 313.6+3.6
DC 313.3-0.3	14 16 20	-61 08.7	20x20	B	134	RN associated
DC 313.6+3.6C	14 08 32	-57 18.5	35x22	B	175	Cntr of complex
DC 313.6+3.7	14 08 29	-57 12.6	14x5	A	175	Conc. in DC 313.6+3.6, S164
DC 313.7+3.5	14 09 48	-57 23.7	3x3	A	175	Conc. in DC 313.6+3.6
DC 314.0-22.3	17 10 47	-78 49.7	16x12	A	23	Conc. at cntr of DC 314.0-22.3
DC 314.0-22.3C	17 10 47	-78 49.7	220x22	B	23	Cntr of complex, much assoc. neb.
DC 314.1+3.6	14 12 00	-57 13.6	12x12	C	175	
DC 314.8-5.1	14 44 19	-65 03.4	12x5	A	98	RN on E edge, S165
DC 315.1-29.0	19 35 03	-79 11.0	28x12	B	25	
DC 315.6+4.8	14 19 41	-55 32.2	14x6	C	175	
DC 315.7-2.4	14 41 25	-62 13.2	22x8	C	134	
DC 315.7-3.1	14 43 56	-62 47.7	18x14	B	134	Complex
DC 315.8-27.5	19 02 16	-78 40.8	2x2	A	25	Neb. associated
DC 315.8-27.5	19 03 05	-78 40.9	3x1	A	25	Neb. associated
DC 316.0+4.9	14 21 42	-55 21.7	16x4	B	175	
DC 316.0-4.0	14 50 04	-63 28.0	16x3	A	98	S166
DC 316.1+4.7	14 23 01	-55 32.3	12x7	B	175	
DC 316.1-3.1	14 46 54	-62 37.5	14x12	B	98	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 316.2+5.1	14 22 32	-55 07.7	12x5	A	175	Complex, S167
DC 316.3+4.9	14 23 27	-55 14.1	4x3	A	175	
DC 316.3+4.8	14 24 23	-55 20.2	12x3	C	175	
DC 316.5+21.2	13 54 31	-39 39.7	60x22	A	325	CG, head 10x10, assoc. RN, Z12
DC 316.5-4.0	14 54 09	-63 15.7	16x2	A	98	
DC 316.5+3.2	14 30 02	-56 45.4	5x3	C	175	
DC 316.6-5.2	14 59 24	-64 20.1	4x2	A	99	
DC 316.7-4.7	14 58 22	-63 45.4	5x2	B	99	
DC 316.8-3.6	14 54 38	-62 44.3	12x3	A	135	
DC 316.9-4.5	14 58 47	-63 30.8	3x2	A	99	
DC 316.9-4.9	15 01 00	-63 56.3	4x2	A	99	
DC 316.9-2.1	14 49 24	-61 23.8	5x1.5	A	135	
DC 316.9-5.4	15 02 59	-64 18.9	40x5	A	99	(S170)
DC 316.9-3.8	14 56 14	-62 55.5	18x14	A	135	S169
DC 317.0-4.6	15 00 30	-63 36.4	6x3	A	99	
DC 317.0-4.1	14 58 29	-63 09.3	12x4	A	99	S171
DC 317.1-4.3	14 59 48	-63 19.3	14x3	A	99	
DC 317.1-2.6	14 52 41	-61 45.6	12x4	A	135	
DC 317.2-5.1	15 04 29	-63 55.7	7x5	B	99	
DC 317.2+6.1	14 26 51	-53 47.6	26x9	B	175	
DC 317.3+3.1	14 35 10	-56 28.8	22x22	C	176	
DC 317.3-4.8	15 04 00	-63 36.5	22x5	B	99	
DC 317.6-28.7	19 25 50	-77 03.8	5x4	B	45	Neb. associated
DC 317.7+2.3	14 40 09	-57 03.4	9x3	B	134	
DC 317.8-1.1	14 52 17	-60 06.2	16x7	B	135	
DC 317.9+7.1	14 28 22	-52 37.6	22x14	B	222	
DC 317.9-1.3	14 54 05	-60 13.2	22x12	B	135	
DC 318.0+3.8	14 38 06	-55 36.4	3x2	C	176	
DC 318.2-2.3	14 59 52	-61 02.5	24x22	C	135	
DC 318.2-0.6	14 53 32	-59 27.2	14x3	B	135	
DC 318.2-4.3C	15 08 24	-62 41.1	100x65	B	99	Cntr of complex, S172
DC 318.3-0.7	14 54 27	-59 33.5	5x5	B	135	
DC 318.7+2.0	14 47 45	-56 54.4	12x2	B	176	
DC 318.7+16.9	14 12 07	-43 07.4	26x18	A	271	Neb. associated
DC 318.8-4.4	15 13 21	-62 28.5	3x2	A	99	Conc. in DC 318.2-4.3
DC 319.2+1.6	14 52 15	-57 06.3	22x8	C	176	
DC 319.3-5.2	15 20 16	-62 52.8	3x1	A	99	
DC 319.3-3.5	15 12 38	-61 27.6	16x14	B	135	
DC 319.4+2.2	14 51 31	-56 25.5	22x4	B	176	
DC 319.6+2.3	14 52 52	-56 17.7	4x3	A	176	
DC 319.6-4.4	15 18 54	-62 02.6	6x4	C	135	
DC 319.8+1.6	14 56 34	-56 47.7	18x5	A	176	
DC 319.9-1.8	15 09 31	-59 45.0	20x12	A	135	Complex
DC 319.9-2.2	15 11 13	-60 02.5	3x1	A	135	
DC 319.9-4.8	15 22 59	-62 12.8	3x2	A	99	
DC 320.1-1.5	15 09 57	-59 21.8	8x6	B	135	
DC 320.1-4.3	15 22 16	-61 45.5	3x1	A	135	
DC 320.2+0.4	15 03 27	-57 37.0	3x2	C	177	Neb. associated
DC 320.4-0.0	15 06 24	-57 55.4	16x7	B	135	
DC 320.5-3.5	15 20 56	-60 51.1	2x1	A	135	
DC 320.5-3.6	15 21 38	-60 56.6	3x2	A	135	
DC 320.7-3.6	15 22 53	-60 52.0	14x14	A	135	Complex, filam. extn to NW, S173
DC 320.7-4.4	15 26 22	-61 28.2	12x5	B	136	
DC 320.7-1.7	15 14 51	-59 10.8	14x2	A	135	Complex
DC 320.7-2.0	15 16 16	-59 27.2	6x4	A	135	Complex
DC 320.8+5.1	14 51 31	-53 11.8	3x3	B	176	
DC 320.9-2.1	15 17 35	-59 25.1	3x1	A	135	Filamentary extn to N
DC 321.0-3.8	15 25 39	-60 50.6	12x6	B	136	
DC 321.0-4.7	15 30 01	-61 30.7	16x5	C	136	
DC 321.1+1.3	15 05 47	-56 25.4	35x22	B	176	
DC 321.6-1.9	15 21 15	-58 53.1	9x6	A	135	S174
DC 321.8-1.9	15 22 36	-58 50.2	8x5	B	135	
DC 321.8-0.7	15 17 53	-57 45.0	22x16	C	135	
DC 321.9-4.6	15 35 18	-60 56.7	8x4	C	136	
DC 321.9-3.7	15 31 04	-60 11.5	5x3	C	136	
DC 322.0+3.4	15 04 14	-54 10.6	12x3	C	176	
DC 322.2-2.0	15 25 36	-58 42.0	4x3	B	135	Faint extn to NE
DC 322.2-4.5	15 37 06	-60 41.5	22x12	A	136	
DC 323.0+4.0	15 07 34	-53 07.1	3x2	A	176	
DC 323.0-2.7	15 34 05	-58 48.0	45x45	C	136	
DC 323.0+3.9	15 08 13	-53 12.0	3x2	B	176	
DC 323.1-1.0	15 26 58	-57 21.6	12x12	C	135	
DC 323.1+4.0	15 08 15	-53 04.3	3x2	B	176	
DC 323.4+7.4	14 59 00	-49 56.5	16x4	B	223	
DC 323.7+5.6	15 06 30	-51 23.6	45x16	B	223	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 324.1+8.5	14 59 35	-48 38.8	12x6	B	223	
DC 324.3-3.8	15 46 50	-58 53.1	22x7	C	136	
DC 324.5+10.2	14 56 46	-46 59.2	14x12	B	223	
DC 325.1-10.1	16 27 07	-62 56.1	14x14	C	100	Neb. associated
DC 325.1-1.9	15 43 07	-56 52.5	9x6	B	178	RN associated
DC 325.2-2.6	15 46 20	-57 19.7	8x1	B	178	
DC 325.2+5.8	15 13 38	-50 25.7	3x3	A	224	Neb. associated
DC 325.3-2.8	15 48 07	-57 28.7	14x3	B	178	
DC 325.3-0.3	15 37 00	-55 25.5	16x12	B	178	Complex
DC 325.4+0.2	15 35 39	-54 57.4	12x1	B	177	
DC 325.5+5.8	15 15 27	-50 15.6	28x14	A	224	S175
DC 325.6-3.0	15 50 24	-57 23.7	28x12	C	136	
DC 325.9+5.9	15 17 27	-50 01.5	3x2	A	224	
DC 326.0-0.9	15 43 43	-55 32.5	35x12	B	178	Complex
DC 326.4-0.1	15 42 34	-54 37.8	22x12	B	178	
DC 326.5+6.0	15 19 52	-49 37.6	12x2	B	224	Extn to W
DC 326.7+0.6	15 41 29	-53 54.4	14x8	B	178	
DC 326.8+5.6	15 22 42	-49 49.0	3x2	A	224	S176
DC 326.9+5.5	15 23 27	-49 50.2	3x2	A	224	
DC 326.9-3.2	15 59 06	-56 41.8	8x7	C	178	
DC 326.9-1.6	15 51 46	-55 28.2	35x16	B	178	
DC 327.2+1.8	15 38 34	-52 39.5	12x3	A	178	Complex
DC 328.3-0.0	15 56 06	-54 09.1	35x22	C	178	Complex
DC 328.7-0.7	15 57 16	-53 38.1	3x2	A	178	
DC 329.2-0.7	16 00 04	-53 20.7	8x6	B	178	Complex
DC 329.6-0.5	16 00 59	-52 52.7	20x7	B	178	RN associated
DC 329.8-2.7	16 11 36	-54 23.2	14x14	C	179	
DC 330.0+0.2	15 59 41	-52 06.1	28x16	B	225	
DC 330.3-3.1	16 16 07	-54 18.6	12x8	B	179	Conc. in DC 332.4-3.3
DC 330.5-1.8	16 10 44	-53 17.4	9x4	B	178	Complex
DC 330.5-1.6	16 10 32	-53 08.8	3x2	B	178	
DC 330.5-0.4	16 05 09	-52 15.0	22x14	C	225	
DC 330.6+4.1	15 46 40	-48 45.7	16x12	B	224	
DC 330.6-3.1	16 17 38	-54 06.4	28x12	C	179	Conc. in DC 332.4-3.3
DC 330.7-1.3	16 09 50	-52 45.3	7x7	A	178	S178
DC 331.0-0.7	16 08 53	-52 07.9	7x1	A	178	
DC 331.1-2.3	16 16 10	-53 11.2	3x2	A	178	
DC 331.7+7.0	15 41 29	-45 47.2	24x5	A	275	
DC 331.7+1.7	16 01 46	-49 53.8	35x22	C	225	
DC 331.7+0.7	16 06 02	-50 39.3	35x35	C	225	
DC 332.0-1.3	16 15 58	-51 56.0	8x3	B	226	
DC 332.1-0.1	16 10 48	-50 55.4	6x5	B	225	
DC 332.4-1.0	16 16 32	-51 24.2	16x12	C	226	
DC 332.4-3.3C	16 27 13	-52 57.5	220x45	C	179	Cntr of complex
DC 332.7+6.8	15 46 46	-45 21.4	6x2	A	275	
DC 333.1+5.5	15 53 15	-46 04.5	6x3	B	275	
DC 333.7+0.5	16 15 26	-49 24.6	16x12	B	226	T-shaped
DC 334.2+0.0	16 19 53	-49 26.0	3x1	A	226	
DC 334.2+11.3	15 37 45	-40 53.0	28x6	B	329	
DC 334.4+18.1	15 18 36	-35 15.7	28x16	B	387	
DC 334.5+17.2	15 21 12	-35 56.4	16x5	C	387	
DC 334.6+4.6	16 02 44	-45 47.2	12x5	A	275	S179
DC 334.6-0.6	16 24 26	-49 34.2	12x1	C	226	
DC 334.6-1.4	16 27 59	-50 02.2	8x7	A	226	Conc. in DC 335.0-2.1
DC 334.7-1.6	16 29 20	-50 09.1	16x4	B	226	Conc. in DC 335.0-2.1
DC 334.7+11.9	15 38 16	-40 07.4	14x5	B	329	
DC 334.7-1.0	16 27 00	-49 45.2	28x22	B	226	Conc. in DC 335.0-2.1
DC 334.8+19.1	15 17 12	-34 13.8	22x12	C	387	Conc. in DC 336.1+19.6, neb. assoc.
DC 334.8+1.4	16 16 44	-47 58.0	12x6	C	226	
DC 335.0-2.1C	16 32 52	-50 16.3	270x110	B	226	Cntr lge cmplx,much varn of density
DC 335.0-1.5	16 30 12	-49 51.2	12x7	C	226	Conc. in DC 335.0-2.1
DC 335.1-2.8	16 36 22	-50 42.5	24x5	A	226	Conc. in DC 335.7-2.7
DC 335.1+20.1	15 15 21	-33 13.8	5x3	C	387	Conc. in DC 336.1+19.6, neb. assoc.
DC 335.1+0.2	16 23 08	-48 40.2	65x35	C	226	
DC 335.2-1.0	16 28 55	-49 25.8	12x12	B	226	Conc. in DC 335.0-2.1
DC 335.3+3.7	16 09 28	-46 01.2	28x12	B	276	S180
DC 335.5-0.0	16 29 55	-49 08.6	20x5	C	226	Conc. in DC 335.0-2.1
DC 335.6+8.2	15 54 16	-42 26.8	16x5	A	330	S6
DC 335.7-2.7	16 38 45	-50 08.9	110x80	B	226	Part of much larger DC 335.0-2.1
DC 335.9+7.0	15 59 38	-43 09.2	7x3	A	275	S181
DC 335.9+11.3	15 44 47	-39 50.6	12x5	C	329	
DC 335.9+7.9	15 56 17	-42 25.3	7x4	A	330	
DC 336.0+8.1	15 55 57	-42 15.2	9x4	A	330	
DC 336.0+4.9	16 07 36	-44 35.8	22x5	B	275	
DC 336.0-3.1	16 41 44	-50 10.0	16x22	B	227	

TABLE 1 *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 336.1+19.6C	15 20 27	-33 07.7	150x110	B	387	Cntr of complex
DC 336.2-3.6	16 44 58	-50 21.5	7x3	A	227	S183
DC 336.2-1.0	16 33 19	-48 39.5	12x5	A	226	Sharp edge to N, diffuse S
DC 336.3-1.2	16 34 16	-48 45.0	26x12	A	226	RN associated, S182
DC 336.3-0.3	16 30 29	-48 06.6	14x3	B	226	
DC 336.4-1.5	16 35 35	-48 51.3	35x16	B	226	Tenuous, (S184)
DC 336.4+14.8	15 35 38	-36 49.8	55x22	C	388	Neb. associated
DC 336.4+8.2	15 57 36	-41 55.1	16x5	A	330	
DC 336.5-1.9C	16 38 11	-49 02.9	80x55	B	226	Cntr of complex
DC 336.6+7.8	15 59 23	-42 05.4	3x3	A	330	
DC 336.6+0.2	16 29 29	-47 34.7	22x12	C	226	
DC 336.6+19.8	15 21 50	-32 39.3	8x4	A	387	Conc. in DC 336.1+19.6, neb. assoc.
DC 336.6-0.6	16 32 48	-48 04.0	3.5x1.5	B	226	
DC 336.7+8.2	15 58 12	-41 43.2	22x12	A	330	S7
DC 336.7-2.3	16 40 32	-49 09.1	5x1	A	226	Conc. in DC 336.5-1.9
DC 336.7+7.8	15 59 49	-41 58.2	4x3	A	330	
DC 336.7+16.9	15 30 38	-34 57.3	12x4	C	388	Neb. associated
DC 336.8-3.1	16 45 17	-49 34.9	16x16	B	227	
DC 336.9-1.7	16 38 51	-48 39.0	16x12	A	226	Conc. in DC 336.5-1.9, neb. assoc.
DC 336.9+5.1	16 10 38	-43 54.8	24x7	A	276	S8
DC 336.9+8.3	15 59 05	-41 32.8	6x5	A	330	
DC 336.9+7.8	16 00 45	-41 51.8	16x2	A	330	
DC 336.9+11.6	15 47 44	-38 56.4	5x4	C	329	
DC 337.0+9.2	15 56 10	-40 46.9	6x3	B	330	
DC 337.0+14.5	15 38 48	-36 38.8	16x3	A	388	
DC 337.0+18.1	15 28 20	-33 48.9	14x12	C	388	Neb. associated
DC 337.1+0.6	16 29 18	-46 55.0	3x1	C	276	
DC 337.1-0.8	16 35 26	-47 52.5	55x16	B	226	Runs into DC 337.1-0.4
DC 337.1-5.5	16 57 50	-50 55.1	16x1.0	B	227	
DC 337.1-4.9	16 54 50	-50 31.2	8x2	A	227	S185
DC 337.1+11.1	15 50 01	-39 14.1	28x5	C	329	
DC 337.1-0.4	16 33 50	-47 34.4	22x22	B	226	Bird shaped
DC 337.1-1.5	16 39 00	-48 18.5	7x2	C	226	
DC 337.2-1.4	16 38 32	-48 09.4	4x2	B	226	
DC 337.3+7.7	16 02 31	-41 42.9	14x4	A	330	
DC 337.3-5.8	16 59 54	-50 55.3	14x1	B	227	
DC 337.3-2.0	16 41 39	-48 30.1	14x12	B	226	Conc. in DC 336.5-1.9
DC 337.3-2.2	16 42 52	-48 37.5	5x1.5	B	226	Conc. in DC 336.5-1.9
DC 337.5-1.0	16 38 07	-47 44.7	4x4	B	226	V-shaped
DC 337.5-35.3	20 23 40	-59 40.9	7x3	C	143	Neb. associated
DC 337.5-1.1	16 38 53	-47 44.8	8x1	B	226	V-shaped,joined to DC 337.5-1.0
DC 337.6+16.4	15 35 09	-34 49.5	16x3	A	388	Conc. in DC 337.9+16.4
DC 337.6-1.9	16 42 34	-48 13.8	28x16	B	226	Conc. in DC 338.0-2.0
DC 337.6+7.6	16 04 09	-41 32.9	28x8	A	330	S9
DC 337.7-35.4	20 24 40	-59 30.9	4x3	C	143	Neb. associated
DC 337.7-4.0	16 52 49	-49 30.9	12x5	A	227	S186
DC 337.7+7.3	16 05 51	-41 42.1	12x1.0	A	330	
DC 337.8-1.6	16 42 09	-47 54.1	6x4	A	226	
DC 337.8+18.9	15 28 42	-32 42.7	16x22	C	388	Conc. in DC 338.8+16.5, neb. assoc.
DC 337.9-35.5	20 25 14	-59 20.8	6x3	C	143	Neb. associated
DC 337.9-1.4	16 41 18	-47 39.7	9x0.5	A	226	Stringy DC
DC 337.9+16.4	15 36 14	-34 37.1	20x5	A	388	Conc. at cntr of complex
DC 337.9+16.4C	15 36 14	-34 37.1	65x35	B	388	Cntr of complex
DC 338.0-1.7	16 43 13	-47 50.1	14x6	B	226	
DC 338.0-2.0C	16 44 53	-47 59.5	60x55	B	226	Centre of complex, RN associated
DC 338.0-26.9	19 18 36	-58 55.9	50x50	C	141	Neb. associated
DC 338.1+7.1	16 07 54	-41 34.4	16x7	A	330	S10
DC 338.2+16.4	15 37 21	-34 29.3	12x3	A	388	Conc. in DC 337.9+16.4
DC 338.2+0.8	16 33 02	-45 55.2	2x2	A	276	
DC 338.3-2.0	16 45 44	-47 46.5	24x14	A	226	Conc. in DC 338.0-2.0
DC 338.5+12.1	15 52 13	-37 39.4	7x3	A	330	
DC 338.5+9.7	16 00 16	-39 25.6	6x3	A	330	
DC 338.6+2.5	16 27 30	-44 33.0	7x1.5	B	276	
DC 338.6+2.0	16 29 28	-44 52.2	12x8	A	276	S187
DC 338.6+9.5	16 01 07	-39 29.6	5x3	A	330	
DC 338.6-1.9	16 46 30	-47 25.0	22x12	B	226	Conc. in DC 338.0-2.0
DC 338.6+11.9	15 53 26	-37 41.2	14x5	A	330	S11
DC 338.7+17.5	15 35 51	-33 17.9	45x16	A	388	Conc. in DC 338.8+16.5
DC 338.7+1.8	16 31 02	-44 56.3	22x2	A	277	S188
DC 338.7+15.6	15 41 51	-34 45.5	8x3	A	388	Conc. in DC 338.8+16.5
DC 338.8+0.8	16 35 38	-45 31.0	3x2	C	276	
DC 338.8+16.5C	15 39 25	-33 59.0	310x80	B	388	Cntr of complex
DC 338.8+16.5	15 39 25	-33 59.0	35x16	A	388	Conc. at cntr of complex, S12
DC 338.8-3.0	16 52 33	-47 58.9	8x8	B	227	
DC 338.9+15.1	15 43 49	-35 04.5	16x3	A	388	Conc. in DC 338.8+16.5

TABLE I *(continued).*

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 338.9+9.5	16 02 31	-39 19.8	6x4	A	330	
DC 339.0+3.1	16 26 45	-43 50.5	8x6	B	276	
DC 339.0+15.0	15 44 44	-35 05.2	7x3	A	388	Conc. in DC 338.8+16.5
DC 339.0+15.8	15 42 24	-34 29.6	7x1	A	388	Conc. in DC 338.8+16.5
DC 339.0+0.4	16 38 03	-45 38.5	45x5	A	277	S189
DC 339.1+11.7	15 55 22	-37 31.2	16x3	A	330	
DC 339.1-0.8	16 43 05	-46 22.0	2x2	A	277	S190
DC 339.1+14.5	15 46 30	-35 26.0	22x4	B	388	Conc. in DC 338.8+16.5
DC 339.1+15.4	15 43 48	-34 44.2	28x7	A	388	Conc. in DC 338.8+16.5
DC 339.2+16.1	15 42 01	-34 08.0	35x16	A	388	Conc.in DC338.8+16.5,RN assoc.,(S13)
DC 339.2+18.5	15 34 53	-32 16.1	12x12	C	388	Neb. associated
DC 339.2+1.2	16 35 22	-44 59.7	16x5	A	277	Complex region
DC 339.3-0.3	16 42 22	-45 53.4	16x3	A	277	S191
DC 339.4+9.5	16 04 23	-39 00.2	12x12	A	330	
DC 339.5-0.8	16 45 12	-46 05.1	16x5	A	277	S192
DC 339.5-2.8	16 53 58	-47 16.5	22x35	B	227	
DC 339.6+5.6	16 19 08	-41 37.4	5x2	B	331	
DC 339.6+16.9	15 40 53	-33 12.3	8x5	B	388	Neb. associated
DC 339.6+11.5	15 58 13	-37 18.8	14x8	B	330	Complex with several conc.
DC 339.7+9.2	16 06 45	-38 58.4	22x9	A	330	S14
DC 339.9-3.4	16 58 13	-47 26.6	22x16	B	278	
DC 340.0+6.0	16 19 19	-41 03.1	8x8	A	331	
DC 340.2+4.5	16 25 34	-42 01.2	22x5	B	331	Complex
DC 340.2+9.0	16 08 55	-38 47.8	28x6	A	330	
DC 340.2-4.1	17 02 31	-47 31.9	12x16	B	227	
DC 340.3+5.5	16 22 04	-41 13.5	8x3	A	331	Filamentary
DC 340.4+6.1	16 20 14	-40 44.6	8x2	B	331	
DC 340.4+5.5	16 22 38	-41 08.6	3x2	A	331	
DC 340.5+5.6	16 22 49	-41 00.5	6x4	B	331	
DC 340.5+3.4	16 31 24	-42 31.6	4x3	C	276	
DC 340.5+0.5	16 43 09	-44 25.4	7x2	A	277	S15
DC 340.6+6.6	16 19 12	-40 16.2	5x2	A	331	
DC 340.6+9.0	16 10 42	-38 31.5	8x4	A	330	
DC 340.6+6.4	16 20 13	-40 22.8	14x3	A	331	
DC 340.7+0.0	16 07 22	-37 44.6	3x3	A	330	
DC 340.7-2.4C	16 56 28	-46 06.9	250x150	B	277	Cntr of large complex
DC 340.7+9.7	16 08 33	-37 56.1	12x16	A	330	
DC 340.7+6.6	16 19 47	-40 08.4	12x3	A	331	
DC 340.8+4.7	16 26 48	-41 25.1	14x2	C	331	
DC 340.8+3.3	16 32 27	-42 21.5	12x1	B	276	
DC 340.9+9.2	16 10 36	-38 09.1	7x5	A	330	
DC 341.0+3.1	16 34 19	-42 23.6	4x3	C	276	
DC 341.1+10.2	16 07 55	-37 20.4	35x5	B	330	
DC 341.1+5.9	16 23 36	-40 25.0	3x2	B	331	
DC 341.1+6.2	16 22 36	-40 06.1	18x5	A	331	Conc. in DC 342.1+5.9
DC 341.2+6.5	16 21 41	-39 53.8	14x4	A	331	S16
DC 341.3+3.9	16 32 21	-41 34.6	8x8	B	331	Complex
DC 341.5+2.3	16 39 19	-42 30.3	16x5	A	277	
DC 341.6+3.1	16 36 41	-41 54.5	35x28	B	331	
DC 341.7+8.5	16 16 19	-38 04.5	6x1	A	330	
DC 341.9-3.0	17 03 21	-45 31.1	8x4	A	277	Conc. in DC 340.7-2.4
DC 342.0+0.3	16 49 19	-43 29.8	20x7	A	277	S17
DC 342.0+9.4	16 14 11	-37 18.9	22x7	A	330	
DC 342.1+5.9C	16 27 02	-39 37.3	120x90	B	331	Complex region, RN associated at N
DC 342.1-3.8	17 07 37	-45 51.9	35x14	A	278	Conc. in DC 340.7-2.4
DC 342.1-7.1	17 23 43	-47 47.5	16x12	B	278	
DC 342.1+9.7	16 13 26	-36 58.4	22x12	A	389	
DC 342.2+8.1	16 19 28	-38 01.0	16x1.5	B	390	
DC 342.3+8.9	16 16 43	-37 25.2	28x16	B	330	
DC 342.4+8.1	16 20 20	-37 56.0	45x14	C	390	
DC 342.4+9.6	16 14 47	-36 48.1	6x4	A	389	
DC 342.5+6.4	16 26 40	-39 02.5	5x2	A	331	Conc. in DC 342.1+5.9
DC 342.5+7.4	16 22 50	-38 18.4	3x2	A	331	
DC 342.5+9.9	16 14 12	-36 35.5	8x5	B	389	
DC 342.6+3.3	16 39 19	-41 00.4	22x3	B	331	Complex filamentary region
DC 342.7+9.7	16 15 28	-36 35.4	7x2	A	390	
DC 342.8+9.3	16 17 05	-36 47.0	9x7	B	390	Complex
DC 342.8+8.7	16 19 17	-37 11.3	14x7	B	390	
DC 342.9+9.0	16 18 45	-36 54.3	5x4	B	390	
DC 343.0+2.8	16 42 41	-41 03.4	28x6	A	332	CG like, sharp edges E, diffuse W
DC 343.3-3.8	17 11 53	-44 58.8	35x5	B	278	
DC 343.4-0.6C	16 58 03	-42 52.4	120x65	B	277	Cntr of complex
DC 343.4+3.5	16 41 23	-40 17.6	7x2	A	331	S18
DC 343.5-3.7	17 11 58	-44 42.8	22x8	B	278	
DC 343.6+0.1	16 55 31	-42 20.9	14x4	A	277	On edge of DC 343.4-0.6, S19

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 343.7+4.0	16 40 11	-39 45.6	9x2	B	331	Filamentary DC
DC 343.7-2.3	17 06 34	-43 42.9	150x90	B	278	
DC 343.7+10.6	16 16 04	-35 14.0	55x28	C	390	
DC 343.8+7.0	16 29 01	-37 43.4	3x3	B	390	
DC 344.0+1.7	16 50 10	-41 01.7	14x5	B	332	
DC 344.0+2.3	16 47 51	-40 39.4	16x14	C	332	
DC 344.0+1.2	16 52 17	-41 17.6	20x5	B	332	
DC 344.1+1.6	16 51 02	-40 58.7	12x4	A	332	CG(?), head 2x0.5, fragmentary
DC 344.3-1.1	17 03 06	-42 29.4	12x1	A	278	
DC 344.3+2.1	16 49 44	-40 28.8	8x4	B	332	
DC 344.4+3.8	16 43 02	-39 20.0	8x6	A	331	
DC 344.4+0.6	16 56 08	-41 23.0	24x12	C	332	
DC 344.5+3.2	16 45 43	-39 39.9	3x2	A	332	
DC 344.5+2.0	16 51 04	-40 26.3	5x1	A	332	CG, head 1x1
DC 344.5+6.7	16 32 30	-37 18.3	12x2	C	390	
DC 344.6-3.7	17 15 40	-43 50.0	75x50	B	278	
DC 344.6-4.3	17 18 10	-44 05.9	5x3	A	278	RN associated
DC 344.7+10.5	16 19 33	-34 33.4	12x2	B	390	Conc. in DC 344.9+10.4
DC 344.8+10.4	16 20 13	-34 38.7	12x2	B	390	Conc. in DC 344.9+10.4
DC 344.8+3.6	16 45 21	-39 11.6	12x3	C	332	
DC 344.8+3.1	16 47 26	-39 31.7	22x4	B	332	
DC 344.8+4.0	16 44 00	-38 57.0	7x4	C	332	
DC 344.8+7.6	16 30 07	-36 30.3	4x2	A	390	
DC 344.9+4.3	16 42 57	-38 41.7	12x12	C	332	
DC 344.9+2.6	16 49 43	-39 47.5	22x12	C	332	
DC 344.9+10.4C	16 20 22	-34 33.2	22x16	B	390	Cntr of complex
DC 344.9+10.3	16 20 58	-34 33.7	16x5	B	390	Conc. in DC 344.9+10.4
DC 345.0-3.5	17 16 00	-43 24.0	2x2	A	278	
DC 345.0+10.1	16 22 05	-34 41.5	4x3	B	390	
DC 345.0+3.9	16 45 07	-38 48.3	16x7	B	332	
DC 345.1+3.2	16 48 08	-39 12.3	20x14	C	332	
DC 345.1+0.8	16 57 39	-40 40.2	28x6	A	332	S20
DC 345.2-4.1	17 19 09	-43 35.0	6x2	B	278	
DC 345.2-2.9	17 13 48	-42 52.8	28x22	B	278	
DC 345.2-3.6	17 17 09	-43 17.5	6x5	A	278	
DC 345.4-5.1	17 24 31	-44 00.0	12x3	B	278	
DC 345.4-4.0	17 19 19	-43 19.8	12x9	A	278	Complex
DC 345.4-4.9	17 23 42	-43 52.1	3x2	B	278	
DC 345.6-0.0	17 06 34	-41 24.5	6x1.5	B	333	
DC 345.7-5.0	17 25 09	-43 36.8	16x12	C	278	
DC 345.8+7.6	16 33 33	-35 50.5	3x2	A	390	
DC 345.8+3.9	16 47 20	-38 13.3	22x12	C	332	Complex
DC 345.8-2.3	17 13 14	-42 03.5	22x16	C	278	
DC 345.8+3.0	16 51 07	-38 49.4	50x22	C	332	
DC 346.0+7.8	16 33 32	-35 31.1	5x2	A	390	Conc. in DC 346.2+7.7, S21
DC 346.1+7.3	16 35 34	-35 43.9	2x1	A	390	
DC 346.1+7.8	16 33 58	-35 25.6	5x1.5	A	390	Conc. in DC 346.2+7.7
DC 346.2-11.7	17 59 18	-46 39.9	3x1.5	A	279	Neb. associated, S193
DC 346.2+7.7C	16 34 20	-35 23.2	35x12	B	390	Cntr of complex
DC 346.3+7.8	16 34 28	-35 20.4	7x2	A	390	Conc. in DC 346.2+7.7
DC 346.3-4.1	17 22 42	-42 36.2	22x8	A	278	Complex, S22
DC 346.4-5.0	17 27 02	-43 06.2	2x2	A	278	
DC 346.4-2.2	17 14 16	-41 28.7	16x4	B	333	
DC 346.4+7.9	16 34 10	-35 07.9	4x2	A	390	Conc. in DC 346.2+7.7, S24
DC 346.4+2.7	16 54 17	-38 32.6	22x7	B	332	
DC 346.4-0.6	17 07 53	-40 33.9	6x4	A	332	Conc. in DC 346.5-0.5, S23
DC 346.4-0.5	17 07 15	-40 27.9	5x3	A	332	Conc. in DC 346.5-0.5
DC 346.5+0.1	17 05 06	-40 03.4	40x3	C	332	
DC 346.5+7.8	16 34 58	-35 08.4	4x1.5	B	390	Conc. in DC 346.2+7.7
DC 346.5-0.5C	17 07 47	-40 21.3	35x16	A	332	Cntr of complex
DC 346.7-8.2	17 42 43	-44 29.7	4x2	B	279	S194
DC 346.8-0.4	17 08 11	-40 09.5	5x4	A	332	Conc. in DC 346.5-0.5
DC 346.8+10.4	16 26 37	-33 09.1	22x12	C	390	
DC 346.9-5.1	17 28 55	-42 43.1	22x16	C	278	
DC 346.9+0.3	17 05 29	-39 36.8	5x3	B	332	Low density shell, 25x10
DC 347.2+1.8	17 00 02	-38 26.4	4x3	B	332	
DC 347.2-3.4	17 22 14	-41 31.1	20x14	B	333	
DC 347.2+6.8	16 40 51	-35 16.1	18x14	A	391	S25
DC 347.2+2.2	16 58 43	-38 10.8	12x2	B	332	
DC 347.4-4.0	17 25 35	-41 39.0	16x4	B	333	
DC 347.4+1.8	17 01 03	-38 14.5	5x2	B	332	
DC 347.5-8.0	17 44 23	-43 42.2	6x3	A	279	S195
DC 347.5-3.2	17 22 11	-41 05.8	28x3	B	333	
DC 347.5-2.3	17 18 25	-40 35.8	22x8	B	333	Complex
DC 347.6+7.0	16 41 24	-34 48.4	22x12	B	391	Filamentary

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 347.7-4.3	17 27 40	-41 36.2	26x6	B	333	Complex
DC 347.9-4.4	17 28 50	-41 32.3	14x4	A	333	
DC 347.9-3.0	17 22 35	-40 40.9	12x9	A	333	
DC 348.0+3.4	16 56 26	-36 52.9	55x40	B	391	Complex
DC 348.0+3.7	16 55 04	-36 37.7	4x3	A	391	
DC 348.2-2.6	17 21 42	-40 13.8	4x0.5	A	333	
DC 348.2+2.2	17 01 46	-37 22.0	14x4	B	392	Conc. on edge of S-0 DC
DC 348.4+1.5	17 05 07	-37 38.0	18x3	B	392	Conc. on edge of S-0 DC
DC 348.6-50.6	21 56 00	-48 34.0	14x5	C	237	Neb. associated
DC 348.6+3.6	16 57 25	-36 11.6	14x8	A	391	
DC 348.7-1.6	17 18 50	-39 15.8	3x1.5	B	333	
DC 348.9-46.2	21 29 28	-49 27.1	12x3	C	236	Neb. associated
DC 348.9+2.9	17 01 22	-36 26.1	5x4	B	392	
DC 349.0-4.1	17 30 40	-40 23.2	22x6	A	334	Complex, S26
DC 349.0+3.4	16 59 36	-36 02.1	12x12	A	391	S27
DC 349.0+3.0	17 01 05	-36 14.7	2.5x2.5	A	392	
DC 349.2+3.1	17 01 06	-36 04.3	3x1	A	392	
DC 349.2+3.1	17 01 25	-36 06.2	1x1	A	392	
DC 349.2+4.3	16 56 37	-35 19.5	6x5	B	391	
DC 349.2+1.8	17 06 31	-36 49.9	4x2	B	392	On edge of S-0 DC, faint extn to NE
DC 349.3+3.1	17 01 28	-35 59.5	2x1	A	392	
DC 349.3-2.2	17 23 07	-39 03.9	28x9	B	333	Complex
DC 349.3+2.3	17 05 00	-36 27.0	3x1	A	392	Conc. in S-0 DC
DC 349.7-3.9	17 31 53	-39 42.4	20x4	B	334	Complex
DC 349.8-3.5	17 30 30	-39 24.5	18x6	A	334	RN associated
DC 349.9-1.8	17 23 20	-38 22.0	22x2	B	333	
DC 350.2-3.7	17 31 57	-39 11.5	12x9	A	334	S28,S29
DC 350.2-4.8	17 37 02	-39 42.5	20x1	B	334	
DC 350.3-3.5	17 31 44	-38 57.1	9x2	B	334	
DC 350.4+4.4	16 59 42	-34 20.8	14x14	A	391	S30
DC 350.4+1.4	17 11 41	-36 06.9	12x8	B	392	Conc. within S-0 DC
DC 350.5-4.3	17 35 36	-39 14.7	5x4	B	334	
DC 350.6+2.6	17 07 35	-35 13.9	45x35	B	392	Conc. on edge of S-0 DC
DC 350.9-4.0	17 35 38	-38 47.2	4x1	C	334	
DC 350.9-1.4	17 24 34	-37 20.6	14x3	B	392	Conc. in S-0 DC
DC 351.0+3.9	17 03 22	-34 09.9	4x3	A	392	
DC 351.0-3.7	17 34 32	-38 31.6	6x2	B	334	
DC 351.2+5.2	16 59 04	-33 12.3	2x2	A	391	
DC 351.2+0.0	17 19 25	-36 14.4	28x5	B	392	Conc. in S-0 DC
DC 351.2+5.1	16 59 28	-33 12.2	7x4	A	391	S31
DC 351.3+4.3	17 02 47	-33 40.7	12x12	B	391	
DC 351.3-3.4	17 34 01	-38 02.5	12x2	A	334	
DC 351.5+4.4	17 02 49	-33 26.1	14x7	B	391	
DC 351.6-1.0	17 24 49	-36 33.8	5x2	B	392	Conc. in S-0 DC
DC 351.6-0.6	17 22 59	-36 17.5	6x5	B	392	Conc. in S-0 DC
DC 351.6-3.7	17 36 11	-37 58.9	12x6	B	334	
DC 351.7+0.5	17 18 44	-35 33.6	12x5	A	392	Conc. in S-0 DC, S33
DC 351.8+1.6	17 14 48	-34 55.8	35x8	A	392	Complex conc. in S-0 DC, S34
DC 351.8+2.8	17 10 11	-34 11.9	2x1	A	392	On edge of S-0 DC
DC 351.8+2.9	17 09 33	-34 05.3	14x14	B	392	On edge of S-0 DC
DC 351.8-3.6	17 36 04	-37 44.1	6x2	B	334	
DC 351.9+2.3	17 12 22	-34 26.7	22x3	A	392	On edge of S-0 DC.
DC 352.0+1.8	17 14 23	-34 36.6	28x12	A	392	Conc. in S-0 DC, S35
DC 352.2+3.1	17 10 03	-33 42.8	22x12	B	392	On edge of S-0 DC
DC 352.2-4.7	17 41 56	-37 57.2	50x22	B	334	
DC 352.5+0.9	17 19 41	-34 43.7	12x8	A	392	Conc. in S-0 DC
DC 352.5+1.2	17 18 28	-34 31.4	22x7	A	392	Conc. in S-0 DC
DC 352.5+3.3	17 10 03	-33 15.8	22x5	B	392	On edge of S-0 DC
DC 352.6+2.1	17 15 10	-33 59.2	40x3	B	392	Conc. in S-0 DC
DC 352.7+2.3	17 14 34	-33 44.1	35x6	B	392	Conc. in S-0 DC
DC 352.8+5.0	17 04 12	-32 04.0	16x6	A	392	Complex DC
DC 352.8+1.2	17 19 13	-34 14.5	14x3	A	392	Conc. in S-0 DC
DC 352.9+5.0	17 04 48	-31 59.0	2.5x2	A	392	
DC 352.9+3.3	17 11 20	-32 59.1	28x16	B	392	On edge of S-0 DC
DC 352.9+4.8	17 05 31	-32 03.0	6x3	A	392	
DC 353.0+1.4	17 19 02	-33 59.8	14x4	A	392	Conc. in S-0 DC
DC 353.0-4.2	17 41 56	-37 00.6	8x7	B	334	Complex
DC 353.1+2.3	17 15 56	-33 23.8	4x2	A	392	Conc. in S-0 DC
DC 353.3+2.4	17 15 39	-33 12.9	2.5x2.5	A	392	Conc. in S-0 DC, bright rim to W
DC 353.3+1.9	17 17 39	-33 28.4	4x2	A	392	Conc. in S-0 DC
DC 353.3+3.6	17 11 08	-32 29.4	22x5	B	392	On edge of S-0 DC
DC 353.3+0.4	17 23 52	-34 17.6	5x1	B	392	Conc. in S-0 DC, faint extn. to S
DC 353.5+3.5	17 12 15	-32 21.6	3x1.5	A	392	
DC 353.6-2.7	17 37 18	-35 48.5	20x5	B	393	On edge of S-0 DC
DC 353.7+3.7	17 11 56	-32 06.9	20x4	A	392	

TABLE I *(continued)*.

	RA(1950) (h m s)	DEC(1950) (° ′)	SIZE (′)	DENSITY	FIELD	COMMENTS
DC 353.8-5.9	17 51 20	-37 13.1	3x1	B	394	
DC 354.0-3.7	17 42 31	-36 00.7	16x14	B	393	On edge S-O DC,arm extending N & SE
DC 354.0-3.4	17 40 57	-35 48.4	5x2	B	393	On edge of S-O DC
DC 354.0+3.5	17 13 32	-32 00.7	3x2	A	392	
DC 354.1+2.9	17 15 57	-32 12.8	16x14	A	392	Complex on edge of S-O DC, CG-like
DC 354.2+3.2	17 15 13	-32 01.5	14x5	A	392	RN associated
DC 354.3-6.6	17 55 56	-37 10.1	12x4	C	394	
DC 354.4-1.8	17 35 38	-34 35.6	26x7	A	393	On edge of S-O DC, extn to E
DC 354.5-2.6	17 39 15	-34 55.9	7x4	B	393	Edge S-O DC, bridge to DC 354.8-2.7
DC 354.8-2.7	17 40 15	-34 47.7	45x16	B	393	On edge of S-O DC
DC 354.8-5.7	17 52 48	-36 19.2	40x22	C	394	
DC 354.9-0.6	17 31 53	-33 30.7	4x3	A	393	Conc. in S-O DC with extns to NE
DC 355.1-4.8	17 49 58	-35 36.3	40x4	C	394	
DC 355.1-0.5	17 32 09	-33 19.7	5x3	A	393	Conc. in S-O DC
DC 355.2-0.7	17 33 12	-33 23.1	8x5	A	393	Conc. in S-O DC
DC 355.6-4.8	17 51 05	-35 08.3	28x22	B	394	Complex DC, density A in places
DC 355.7-2.1	17 40 20	-33 41.2	45x7	B	393	On edge of S-O DC, runs N-S, S36
DC 356.0-2.8	17 43 40	-33 45.0	55x8	A	393	On edge of S-O DC, S37
DC 356.1-1.6	17 39 09	-33 05.1	45x8	B	393	Edge of S-O DC, joins DC 355.7-2.1
DC 356.3-4.0	17 49 27	-34 10.3	12x12	C	393	
DC 356.4-3.4	17 47 25	-33 47.3	40x8	A	393	Edge S-O DC, bridge to DC 356.0-2.8
DC 356.5-4.5	17 51 53	-34 15.2	4x1	A	394	
DC 356.5-4.4	17 51 47	-34 12.0	22x2	C	394	
DC 356.6-2.9	17 45 48	-33 23.6	12x7	B	393	On edge of S-O DC
DC 356.7-2.7	17 45 02	-33 09.0	7x4	B	393	On edge of S-O DC
DC 356.9-2.9	17 46 38	-33 03.7	5x5	B	393	On edge of S-O DC
DC 357.0-5.6	17 57 40	-34 20.4	3x1	B	394	Faint extn to N
DC 357.4-5.8	17 59 37	-34 05.4	14x4	C	394	
DC 357.7-4.7	17 55 59	-33 19.1	16x8	B	394	Conc. in DC 358.0-5.0
DC 357.9-3.6	17 51 50	-32 36.6	5x3	A	394	On edge of S-O DC
DC 358.0-4.8	17 56 50	-33 04.7	8x5	A	394	Conc. in DC 358.0-5.0
DC 358.0-5.0C	17 57 48	-33 11.6	90x65	B	394	Centre of large complex DC
DC 358.1-5.2	17 58 34	-33 12.1	16x4	A	394	Conc. in DC 358.0-5.0
DC 358.2-4.9	17 58 00	-32 58.2	5x1.5	A	394	Conc. in DC 358.0-5.0
DC 358.3-4.8	17 57 53	-32 49.7	5x3	A	394	Conc. in DC 358.0-5.0
DC 358.4-5.3	17 59 58	-33 01.2	3x1.5	A	394	Conc. in DC 358.0-5.0
DC 358.6-4.8	17 58 37	-32 32.9	14x7	B	394	Conc. in DC 358.0-5.0
DC 358.9-5.3	18 01 03	-32 33.4	28x12	B	394	Faint in S
DC 359.1-5.8	18 03 41	-32 39.7	28x16	C	394	
DC 359.4-19.6	19 05 59	-38 08.9	28x7	C	337	Neb. associated
DC 359.4-20.2	19 08 37	-38 20.0	20x5	B	337	Neb. associated
DC 359.5-20.4	19 09 59	-38 17.4	22x7	B	337	Neb. associated
DC 359.6-6.3	18 06 59	-32 26.7	2x2	B	394	
DC 359.6-18.0	18 58 36	-37 21.0	9x6	A	397	
DC 359.6-18.4	19 00 33	-37 29.0	12x6	A	397	Conc. in DC 359.8-17.9, S39
DC 359.7-20.3	19 09 30	-38 06.3	12x4	C	337	Neb. associated
DC 359.7-18.2	18 59 44	-37 21.0	12x3	A	397	Conc. in DC 359.8-17.9
DC 359.8-17.6	18 57 01	-37 02.4	35x12	A	397	Conc.in DC359.8-17,9,neb.assoc.(S41)
DC 359.8-17.9C	18 58 49	-37 08.1	110x28	A	397	Cntr of complex, much RN assoc.,S40
DC 359.9-17.9	18 58 29	-37 03.2	4x4	A	397	Conc. in DC 359.8-17.9, neb.assoc.
DC 359.9-6.6	18 08 44	-32 15.4	28x2	C	394	

TABLE II. — *Dark cloud sizes.*

Density Class	No. of Clouds	Mean Size (sq. arc min.)	Median Size (sq. arc min.)
A	432	100	22
B	493	560	65
C	176	420	105
All	1101	355	50

TABLE III. — *Dark cloud sizes for the Lynds (1982) catalogue.*

Opacity Class	No. of Clouds	Mean Size (sq. arc min.)	Median Size (sq. arc min.)
6	150	105	32
5	399	190	40
4	438	1210	110
3	409	4010	375
2	238	6575	1540
1	168	6800	1790
All	1802	2740	170

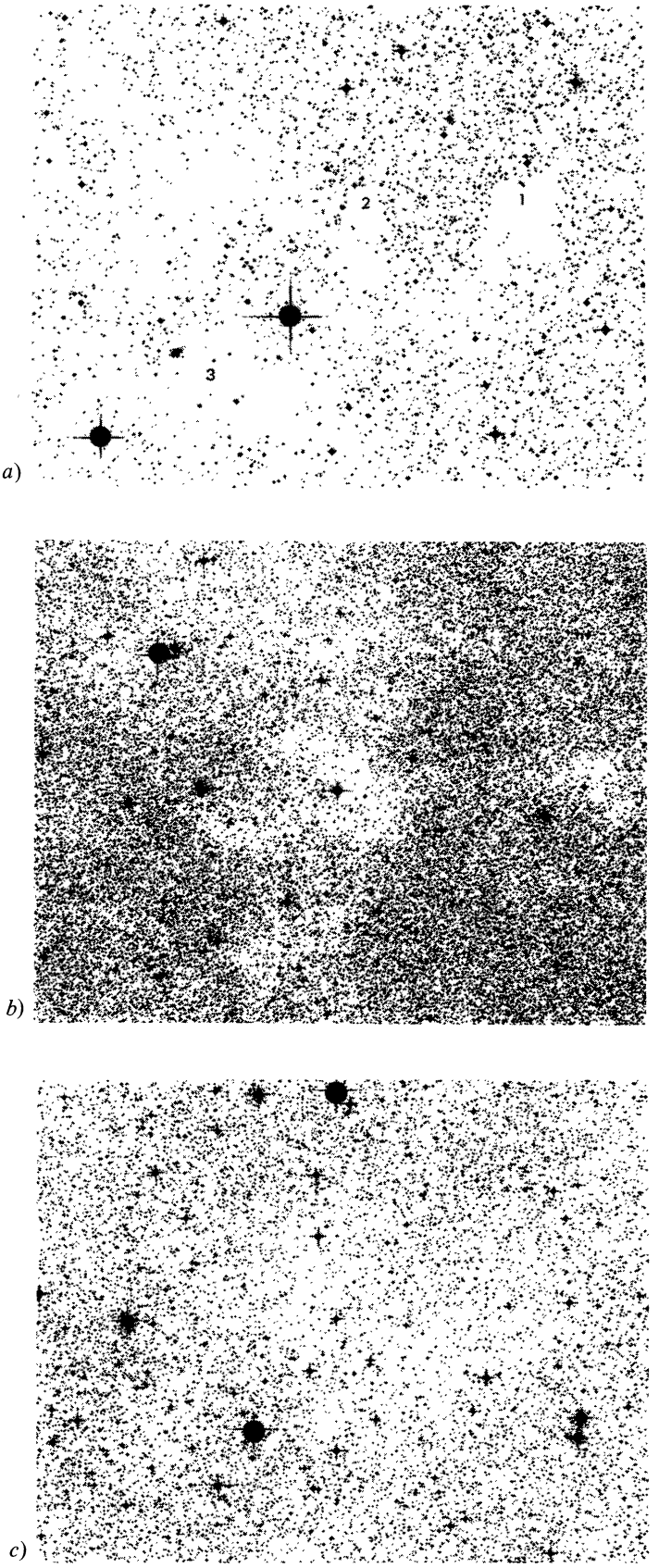

FIGURE 1. — (a) A field containing several dark clouds of density class A. The area shown is approximately 32 × 25 arcmin. with north at the top and east on the left. The clouds shown are as follows : 1. DC 267.4 − 7.5 ; 2. DC 267.5 − 7.4 ; 3. DC 267.7 − 7.4. (b) A field containing a dark cloud of density class B, DC 347.4 − 4.0. The field size and orientation is the same as for (a). (c) A field containing a dark cloud of density class C, DC 287.2 + 1.2. The field size and orientation is the same as for (a).

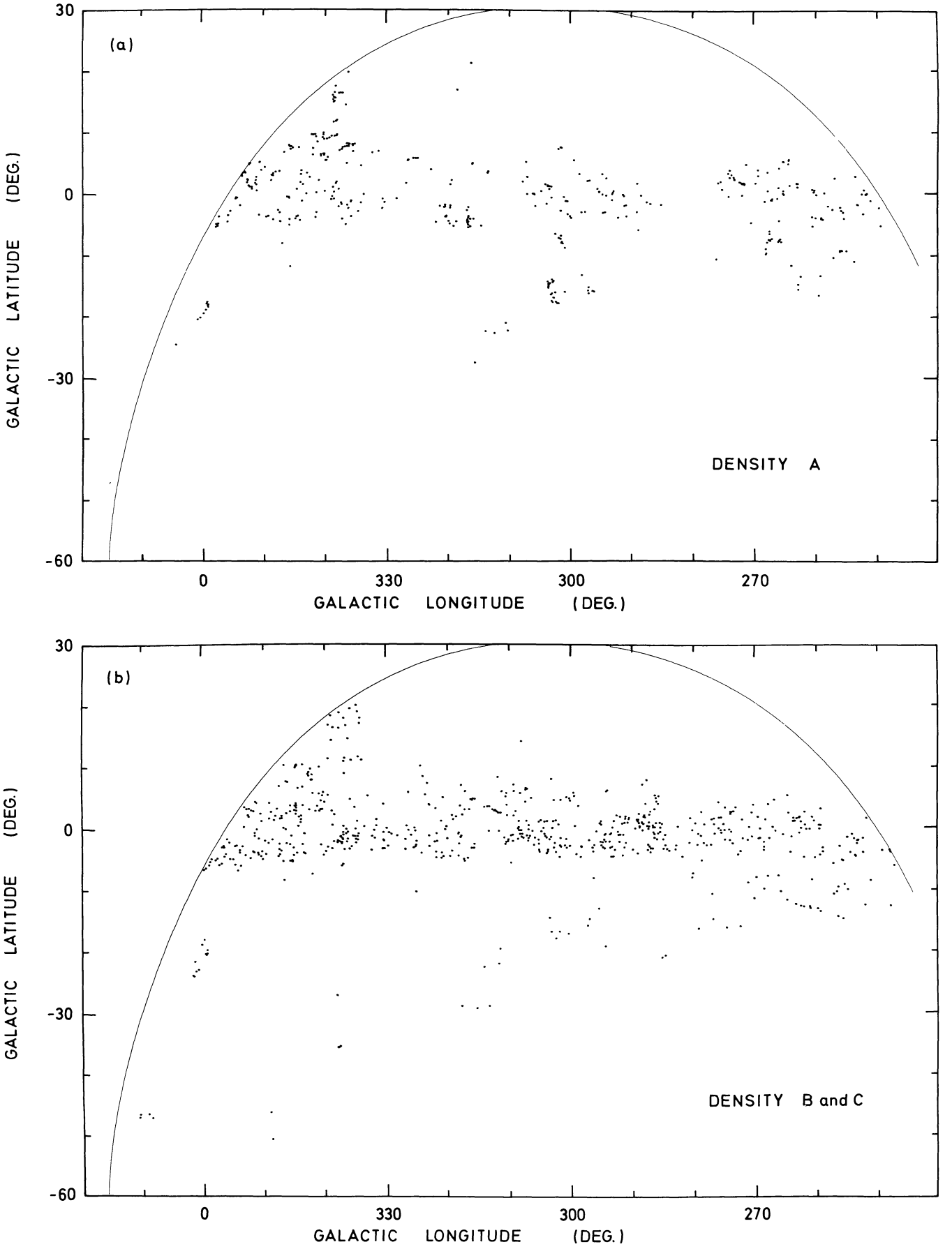

FIGURE 2. — Galactic distribution of dark clouds (a) of density class A and (b) of density classes B and C. The curved line is at declination − 33°, the upper declination limit of the survey.

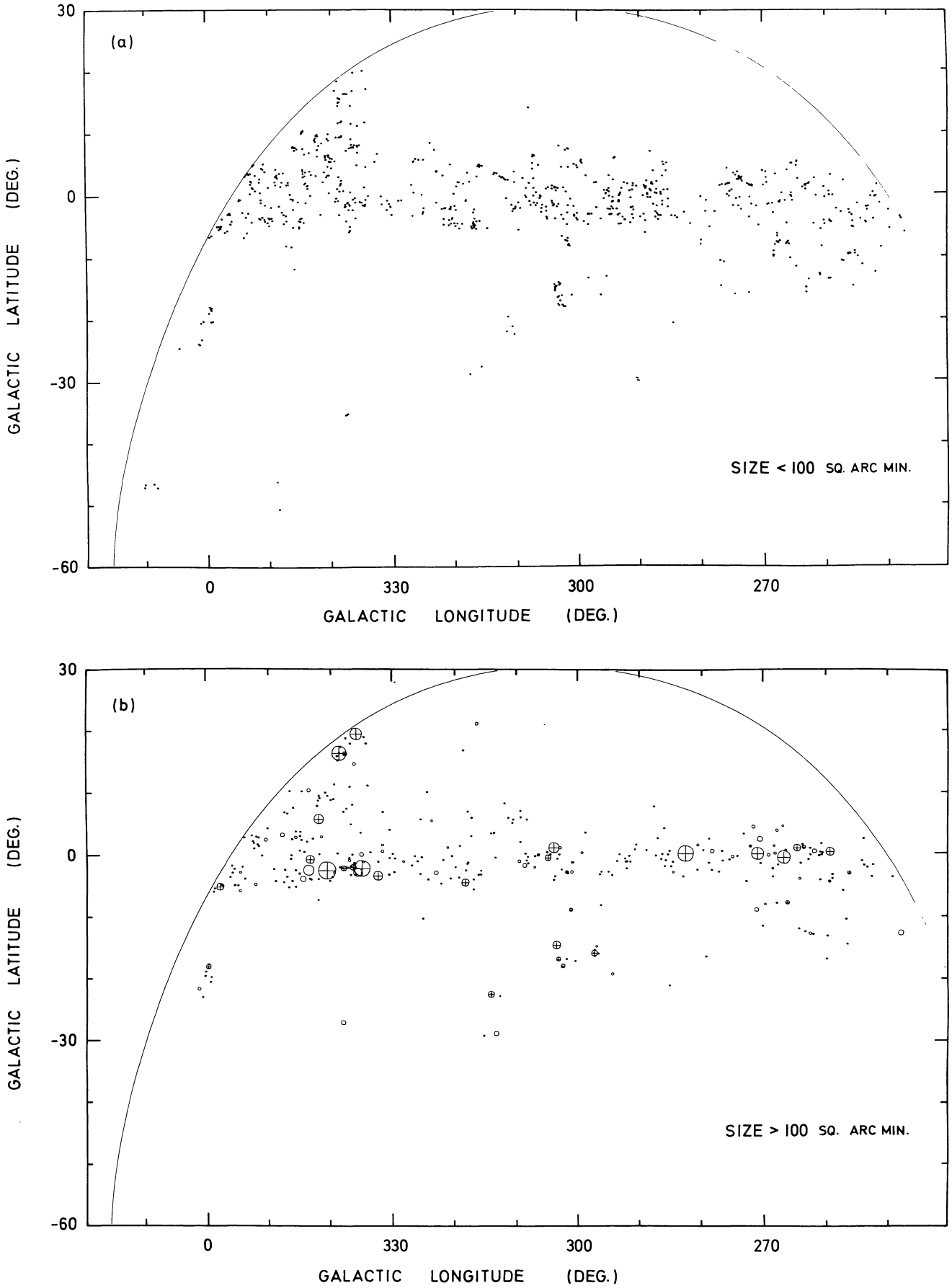

FIGURE 3. — Galactic distribution of dark clouds (a) of size less than 100 sq. arcmin. and (b) of size greater than 100 sq. arcmin. Clouds of area less than 150 sq. arcmin. are drawn as dots and those of area greater than this value with a circle of area equal to the cloud area. Complexes are marked with a cross within the circle. The curved line is at declination -33^{o}, the upper declination limit of the survey.

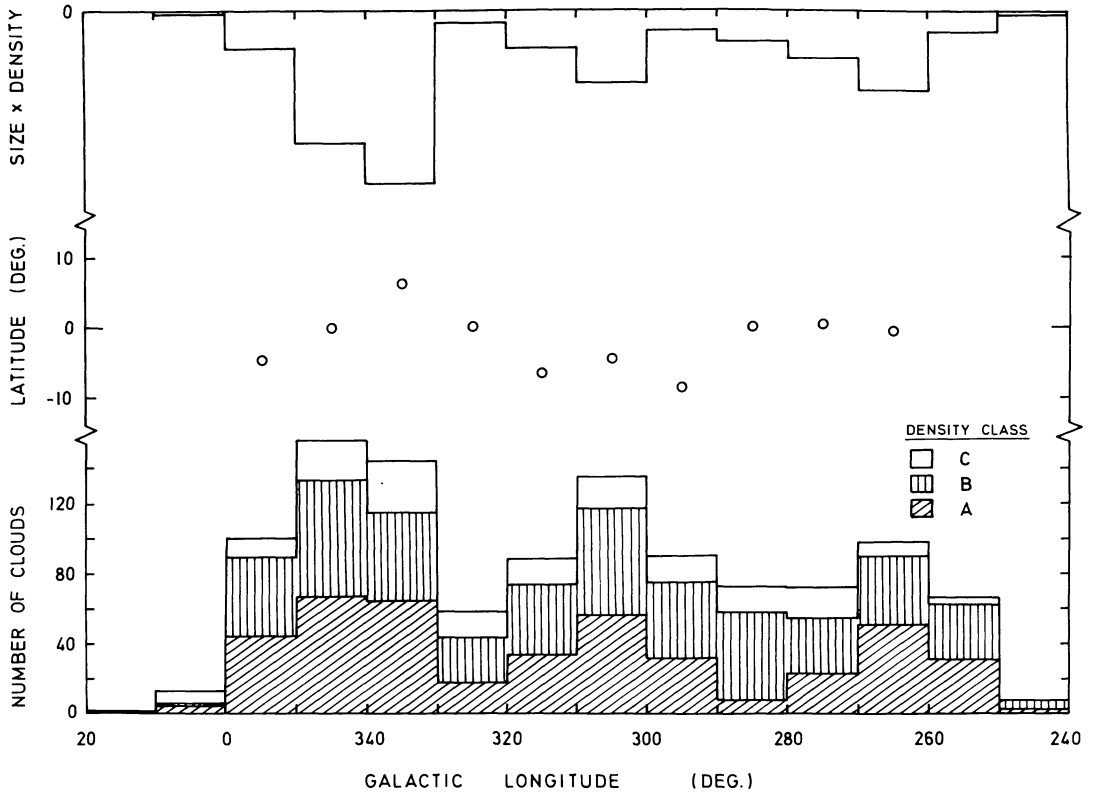

FIGURE 4. — Galactic longitude distribution of the number of dark clouds of density classes A, B and C (lower, a « mass » parameter proportional to the cloud size times its density (upper) and the weighted mean galactic latitude of clouds where the cloud mass has been used as a weight (middle).