THE ASTROPHYSICAL JOURNAL SUPPLEMENT SERIES, 70:1–138, 1989 May

A CATALOG OF RICH CLUSTERS OF GALAXIES

GEORGE O. ABELL[1]
Department of Astronomy, University of California, Los Angeles
HAROLD G. CORWIN, JR.
McDonald Observatory and Astronomy Department, University of Texas at Austin
AND
RONALD P. OLOWIN
Department of Physics and Astronomy, University of Oklahoma; and Department of Mathematical Sciences, Saint Mary's College of California
Received 1988 May 31; accepted 1988 July 19

ABSTRACT

This is an all-sky catalog of 4073 rich clusters of galaxies, each having at least 30 members within the magnitude range m_3 to m_3+2 (m_3 is the magnitude of the third brightest cluster member) and each with a nominal redshift less than 0.2. The southern data have been collected from a survey of UK 1.2 m Schmidt telescope IIIa-J plates and films and have been reduced to the systems defined by the northern data previously published by G. O. Abell. A revised northern catalog, including Bautz–Morgan types and redshifts where known, is also included.

Subject headings: galaxies: clustering — galaxies: redshifts — galaxies: structure

I. INTRODUCTION AND BACKGROUND

The catalog of rich galaxy clusters by Abell (1958) has been widely used as a source list for studies of the distribution of rich clusters (see, e.g., Abell 1958, 1961, 1975; Rood 1976; Peebles 1980; Thuan 1980; Bingelli 1982; Schmidt 1983; Bahcall and Soneira 1984; Batuski and Burns 1985; Ciardullo, Ford, and Harms 1985; Kalinkov and Kuneva 1986; Tully 1986, 1987; and references therein), cosmological and extragalactic distance scale studies (see, e.g., Sandage 1973; Sandage, Kristian, and Westphal 1976; Hoessel, Gunn, and Thuan 1980; Aaronson *et al.* 1986; de Vaucouleurs and Corwin 1985, 1986; Buta and Corwin 1986*a*, *b*; and references therein), studies of the properties of individual clusters (see, e.g., Noonan 1974; Chincarini and Rood 1976; Smyth 1979; and references therein), studies of the collective properties of clusters (see, e.g., Culhane 1978; Baier 1978; Lari and Perola 1978; Dressler 1978*a*, *b*, 1980; Mitchell *et al.* 1979; Owen *et al.* 1982; Johnson *et al.* 1983; Kowalski *et al.* 1984; Struble and Rood 1987*a*; and references therein), Galactic extinction studies (Holmberg 1974; de Vaucouleurs and Buta 1983), and other studies.

The original catalog, however, has several drawbacks that have somewhat limited its usefulness. These include (1) sky coverage limited to declinations north of $-27°$, the original southern limit of the Palomar Sky Survey (hereinafter PSS), (2) serious incompleteness beyond $z = v/c \approx 0.2$ (though many of its included clusters have considerably larger redshifts; see, e.g., Struble and Rood 1987*b*), (3) possible systematic errors in its magnitude scale (see, e.g., Corwin 1974), (4) cluster populations given only as "richness classes," and (5) listing only the richest clusters found by Abell (see, e.g., Einasto, Jõeveer, and Saar 1980).

The first of these shortcomings is the most serious and has to some extent hampered the progress of extragalactic astronomy and cosmology in the southern sky. This led Abell to propose in 1975 that a "southern rich cluster survey" be carried out on the deep IIIa-J Southern Sky Survey plates being taken by the United Kingdom's 1.2 m Schmidt telescope at Siding Spring in Australia (hereinafter UKST). Consequently, Abell spent a sabbatical year at the Department of Astronomy, University of Edinburgh, and the Royal Observatory, Edinburgh, in order to begin the survey. There, he enlisted Corwin's help for the survey. Abell and Corwin completed about half of the survey before Abell's return to the University of California, Los Angeles, in 1977 and Corwin's return to the University of Texas in 1981. A status report on the survey to that point is given by Abell and Corwin (1983).

It was their intention to finish the survey as soon as possible on the high-quality film copies issued as the UKST IIIa-J portion of the Southern Sky Survey. This was prevented by Abell's untimely death in 1983 October and by Corwin's continuing commitment to the *Third Reference Catalogue of Bright Galaxies* (de Vaucouleurs *et al.*, in preparation). In 1984, G. Chincarini of the University of Oklahoma suggested to Corwin that Olowin might help in the completion of the survey. A joint proposal to the National Science Foundation was submitted and, upon its approval, Olowin finished the remaining portion of the survey on the UKST films.

This paper presents the results of that work, the southern portion of the "Abell catalog" of rich clusters. We also present here a revised and corrected version of the northern

[1]Deceased 1983 October 7.

portion of the catalog. This revision was initially prepared in 1980 under Abell's direction by Katherine Sedwick and Albert Lee, then graduate students in the Department of Astronomy, University of California, Los Angeles. Corrections suggested by Corwin (1972, unpublished), Leir (1976), and Struble and Rood (1987*a*) have been incorporated in the northern catalog, as have Bautz–Morgan types and redshifts where known (Struble and Rood 1987*b*).

Throughout this paper, we use the terms "northern cluster," "northern survey," or "northern catalog" to refer to Abell's (1958) catalog of clusters found on the PSS 103a-E plates. The terms "southern cluster," "southern survey," or "southern catalog" refer to the clusters found by us on the UKST IIIa-J plates or copy films and listed here for the first time.

We have reduced the data for the southern clusters to the systems of the northern catalog by means of 275 northern clusters included in the 10° overlap zone (−17° to −27°) between the PSS and the UKST. The result is a homogeneous all-sky catalog of rich galaxy clusters, nominally complete to $z = 0.2$ for clusters with populations of 30 or more galaxies in the magnitude range m_3 to $m_3 + 2.0$, where m_3 is the magnitude of the third brightest cluster member.

We hope that this will be the last such catalog prepared by visual scans of photographic plates, and we urge future investigators to compile cluster catalogs using high-speed microphotometric scanning machines and objective selection criteria. We are aware of two such projects under way using the COSMOS and APM machines in the United Kingdom, another, using the Minnesota APS machine, is being planned. In order to remove the possibility of systematic error from such catalogs, there must be at least three independent compilations of clusters.

II. DATA COLLECTION

a) *Edinburgh* (*Abell and Corwin*)

i) *Selection of Plate Material*

In Edinburgh, Abell and Corwin scanned original IIIa-J plates on a light table with a 3× wide-field magnifier. The plates were selected from rejected UKST plates stored at the Royal Observatory. Many of these plates were rejected from the UKST because of "cosmetic" flaws (i.e., faint streaks or splotches, unacceptably large numbers of satellite trails, broken glass backing, etc.), but nevertheless have images (30–40 μm or less for the faintest stars) and limiting magnitudes ($B \approx 23$) typical of survey quality plates. In a few cases, however, the only available plate for a field had images of substandard quality. These were nevertheless scanned, but were noted as being of poor quality so that they could be later resurveyed on the issued film copies.

Corwin also scanned in Edinburgh a few film copies of fields for which only "accepted" survey plates had been taken (these plates are permanently stored at Siding Spring). These copies were made for the survey by the photo labs of the Royal Observatory, either in Edinburgh or at Siding Spring.

ii) *Selection of Clusters*

All clusters deemed rich enough to be included in the catalog were marked on the backs of the plates (or on transparent overlay sheets for the films). Criteria for selection were those adopted for the northern survey (Abell 1958), and were continually checked and recalibrated by scanning fields in the overlap zone. Since the IIIa-J plates show considerably fainter galaxies than the 103a-D red plates taken for the Palomar Sky Survey, the possibility of selecting "rich" clusters that are no more than chance superpositions increases sharply toward the plate limit. Lucey (1983) and Struble and Rood (1987*a*) estimate that perhaps 25% of the northern Abell clusters are the result of such superpositions. Fesenko (1979*a*, *b*, *c*, and references therein) suggests that the percentage of such illusory clusters is even higher. Since one of the nearest clusters included in the present catalog (A3526, the well-known Centaurus Cluster) may be such a superposition (Lucey, Dickens, and Dawe 1980; Lucey, Currie, and Dickens 1986), we have no reason to doubt that there are many others in the list. The only sure way at present to detect such superpositions is through extensive redshift surveys (either by means of spectroscopy or multicolor imaging) of suspected cluster members.

We also caution that confusion with field stars at low Galactic latitude has limited the number of distant clusters that we have found near the plane of the Milky Way. A few relatively nearby low-latitude clusters are included in the catalog, but the confusion problem means that our list cannot be complete in areas where the star density is high on the plates.

Thus, since the present all-sky catalog is based on purely visual surveys of apparent areal densities of galaxies, *it should not be taken as a definitive catalog of rich clusters, but rather as a finding list of apparent rich clusters which need further investigation.*

Only two out of 135 northern clusters (in all richness classes) on the overlap zone plates scanned by Corwin (Abell did not scan any plates in the overlap zone) were missed completely, though another seven would not have been included in the southern survey had they not been listed in the northern catalog. The two clusters missed are A503 and A512, both poor clusters in rich star fields. The other seven clusters are all too poor or too close to the Galactic equator to be included in Abell's statistical sample. On the other hand, Corwin found 45 new clusters (and Abell found one cluster at −26°57′, A3205, in a −30° zone field) with richness classes greater than 0 and redshifts less than the nominal cutoff at $z = 0.2$. This is a significantly larger number than would be expected if the selection criteria of the two surveys were the same. This, in turn, appears to confirm a suggestion by Huchra (1987, private communication) that the northern catalog is deficient in clusters in its southern-most zones. Olowin, Chincarini, and Corwin (1987) have indeed found significant selection effects in the cluster catalogs. However, Batuski and Bahcall (1988, private communication), taking appropriate measures to define statistically complete, high–Galactic latitude samples, find that the two-point correlation functions for the northern and southern catalogs are virtually identical.

iii) *Positions*

Celestial coordinates were estimated using overlay grids photocopied onto transparent plastic sheets produced at ESO by Lauberts. Since it was not possible to exactly reproduce

the 67.″14 mm^{-1} scale of the plates in the x-axis with the computer-driven plotter used to draw the overlays (Lauberts, private communication), there will be small errors in determining celestial coordinates with these overlays. Comparison of galaxy positions so determined with precise positions from the ESO/Uppsala catalog (Lauberts 1982) shows that these systematic errors rarely exceed 3′ (Corwin, de Vaucouleurs, and de Vaucouleurs 1985). Since the cluster centers were chosen visually, we expect their positions to have slightly larger errors than those for objects with well-defined centers. A comparison of the positions of 288 clusters found in two or more fields yielded standard deviations in right ascension ±3.′2 and ±2.′4 in declination.

Rectangular coordinates for the clusters were measured independently of the celestial coordinates. The rectangular coordinates of the left (east) and bottom (south) crosses at the edges of the plates were also measured so that the cluster coordinates could be referred to them. Because the plates that Abell and Corwin searched are not those used for the issued film copies, these rectangular coordinates are generally not the same as those measured on the films. They are usually close enough, however, to allow unambiguous identification of the clusters on the issued films.

iv) *Cluster Classifications*

Clusters were classified in the Abell (1965) and Bautz and Morgan (1970) systems. We have not attempted to make Rood and Sastry (1971) classifications; we hope this will be done later by other investigators. We have extended the Abell system (which originally consisted of only two classifications, regular [R] and irregular [I]) to include two intermediate types, RI and IR. Clusters classified RI are characterized by either (a) less overall symmetry of distribution of galaxies within the cluster than regular clusters, but with early-type galaxies still dominating the cluster or (b) strong overall distribution symmetry, but with considerable morphological diversity among the member galaxies. The IR clusters show little symmetry of distribution with early-type galaxies dominating or moderate symmetry with mixed morphology among the member galaxies. Type examples for each class include the Coma Cluster (A1656) as R, the Virgo and Centaurus (A3526) Clusters as RI, the Perseus Cluster (A426) and A1367 as IR, and the Hercules Cluster (A2151) as I.

The Bautz–Morgan system was used in its original form where the magnitude difference between the first and second brightest galaxies in the cluster is the major classification criterion. Uncertainty symbols (a colon or a question mark) have been added to the cluster types where foreground or background contamination confused the appearance of the cluster, where the cluster appeared at the edge of a plate, or where it was so distant as to make classification difficult.

v) *Magnitudes and Distances*

Estimates of the total V magnitudes of the first, third, and tenth brightest cluster members were made using a step scale of elliptical and lenticular galaxy images. Construction and calibration of the step scale is discussed below in § IV. Use of the step scales was found to be very sensitive to the appearance of the galaxy images. When the appearance of the galaxy image matched that of the images on the step scale, repeated estimates for the same galaxy seen on the same plate or film are consistent to within ±0.1 mag. However, spiral galaxies, edgewise galaxies of all types, low–surface-brightness galaxies, and galaxies with extended coronae did not match the images on the step scale, so we had more difficulty estimating their magnitudes. We marked these cases as uncertain and noted the reason for the uncertainty (see Table 7).

Internal mean errors in the magnitudes so estimated by Corwin were found by comparison of the data for the 288 clusters that he found on two or more plates. For the first-ranked cluster members, the standard deviation, $\sigma(\bar{m} - m_i)$, is ±0.32 mag; for the third-ranked members, the standard deviation is ±0.27 mag; and for the tenth-ranked members, ±0.28 mag. Much of the scatter comes from the different background densities of the original plates (background densities for fully exposed sky-limited plates ranged from less than 0.5 to more than 1.5). Some of the scatter comes from the selection of the first, third, and tenth brightest galaxies from among the galaxies within the counting radius. Obvious foreground galaxies were always excluded, but foreground objects are often not easily distinguishable from real cluster members. Since Abell found only one cluster in two adjacent fields, we are unable to derive internal errors for his magnitude data. However, Olowin has 42 clusters in common with Abell (Corwin has only three), so we shall be able to derive "external" errors for Abell's southern data (see § VI).

Cluster distances, needed to determine counting radii, were estimated solely from the magnitude of the tenth brightest galaxy. This procedure was adopted to provide consistency with Abell's northern survey and also as a matter of expediency. Based on the work of Leir and van den Bergh (1977), we expect that some combination of all the magnitude estimates for a given cluster will provide a better distance estimate for that cluster. Leir and van den Bergh also used an estimate of the cluster diameter in their distance determination formulation. (We found that the "edges" of the clusters as seen on the UKST plates were too ill-defined to allow consistent diameter estimates to be made. Analysis of ring counts in each cluster could perhaps provide a consistent set of cluster radii on some system [see, e.g., de Vaucouleurs 1948; Noonan 1974; Bahcall 1975; Olowin 1986; and references therein], but would have been beyond the scope of the present survey.) A magnitude-redshift relation for our estimates is given below in § VII*c*.

vi) *Counts*

The distance estimated from the magnitude of the tenth brightest cluster member was used to assign a "counting radius" to the cluster. These are the same as the so-called Abell radii used in the northern survey, and the reader is referred to Abell's original discussion for more detail. As in the northern catalog, counts were made in the magnitude interval m_3 to $m_3 + 2$. The counts were made through a transparent film overlay with the counting radii and radial lines dividing the counting areas into octants photographically copied on it.

The internal standard deviation in Corwin's counts is ±23.4 (after correction for background contamination, and after correction to the system of Abell's northern survey; see §§ III and VI*a*). As with the magnitudes, we are unable to make an

estimate of the internal error in Abell's southern counts, but we will derive an "external" error estimate below in § VI*a*.

b) Oklahoma (Olowin)

i) *Selection of Films*

In general, Olowin worked from the issued survey films, though he also searched a few film copies of fields not yet issued. (These copies were made for us by the photo labs of the Royal Observatory, Edinburgh, from survey quality plates.) He attached the films to a Houston Instruments backlit digitizer and also searched for clusters by eye using a 7× magnifier.

ii) *Selection of Clusters*

Olowin used the same criteria for cluster selection as did Abell and Corwin; see § II*a*(ii).

In the overlap zone, Olowin found 90 new clusters with richness classes of 1 or larger and nominal redshifts less than 0.2, 11 of which are in common with Corwin's list. Again, this is a significantly larger number than would be expected if the selection criteria had been identical to those used by Abell for the northern survey. As mentioned in § II*a*(ii) above, Huchra has suggested that there is a dependence on declination in the areal density of clusters in the northern survey. We cannot rule out a similar dependence in the southern survey; because of the high altitude of the overlap zone at Siding Spring (77°–87°), we may have included relatively too *many* clusters in this zone.

iii) *Positions*

Once the clusters had been located on the films, the rectangular coordinates of the estimated cluster center were measured with the digitizer. The machine was set to automatically average eight consecutive readings, with the output fed directly to a VAX minicomputer. In addition to the cluster centers, the crosses at the north, west, and east edges of the plates and 20–25 SAO stars were also measured. All measurements were referred to the plate centers as defined by the edge crosses, and a whole plate solution (including radially dependent terms) was made (König 1962; Luyten and La Bonte 1972; and references therein). Though the digitizer has a resolution of 0.025 mm (1″.7 at the 67.14 mm arcsec^{-1} scale of the UKST), the standard deviations in the calculated positions for the standard stars were 16″.1 in right ascension, and 19″.5 in declination. The large errors are attributed to slight shifting of the films during digitizing since they were not removed from their protective plastic bags. The error in declination is significantly larger than that in right ascension, apparently because of slight internal bias of unknown origin in the digitizer.

iv) *Cluster Classifications*

Olowin classified the clusters in the same ways as Abell and Corwin (§ II*a*[iv]).

v) *Magnitudes and Distances*

Olowin also used the same step scale that Corwin used for most of his portion of the survey, though some of the fainter images were replaced, and their magnitudes recalibrated, toward the end of the survey. Distance estimates were also made using the same criteria as used by Abell and Corwin.

From 538 multiply observed clusters, internal standard deviations in Olowin's magnitude estimates are ±0.37 for first-ranked cluster members, and ±0.25 for both third- and tenth-ranked members. These are similar to the standard deviations for Corwin's magnitude estimates (see § III*a*[v]).

vi) *Counts*

Again, Olowin followed the same procedures that Abell and Corwin used (§ II*a*[vi]). However, the standard deviation (±17.9) in his counts (again corrected for background and to Abell's northern system) was significantly smaller than that for Corwin's counts.

III. BACKGROUND CORRECTION

Background corrections were made assuming a "universal" luminosity function for "field" galaxies. Since the time of the northern survey, considerable evidence has accumulated that the luminosity function of faint galaxies is the same in all directions in the sky (see, e.g., Brown 1974; 1979; Rainey 1977; Peterson *et al.* 1979; Karachentsev 1980; Kron 1980; Shanks *et al.* 1984; Tyson 1984; and references therein). Therefore, we have adopted a "universal" luminosity function from Rainey (1977) and have used it to correct our counts for background contamination.

Rainey's V counts have been corrected for the difference in effective wavelength between V magnitudes and IIIa-J magnitudes, and for the differential k-correction between the two passbands. The counts have also been extrapolated slightly so that we can make background corrections for the most distant clusters that we found. The extrapolation was done using the theoretical k-correction for spiral galaxies in a $q_0 = 0.5$, $\Lambda = 0$ expanding universe model. The theoretical prediction for spirals fits Rainey's data at the faint end better than does the theoretical prediction for ellipticals, perhaps due to moderate evolutionary effects. Thus, for those clusters with $m_3 + 2$ fainter than 21.0, our background correction will be dependent on the model we assumed rather than on Rainey's data. These clusters are too distant to be included in the main catalog, but are included in a supplementary table (Table 6) with many poorer clusters that we also found.

Rather than assume some specific form of the apparent luminosity function, we have simply used linear approximations over different magnitude intervals for computational purposes:

$$\log N(\leq m_v) = 0.596(m_v - 17.0) + 1.335,\ m_v \leq 17.8;$$

$$\log N(\leq m_v) = 0.529(m_v - 18.5) + 2.182,\ 17.9 \leq m_v \leq 19.0;$$

$$\log N(\leq m_v) = 0.457(m_v - 19.5) + 2.670,\ 19.1 \leq m_v \leq 19.8;$$

$$\log N(\leq m_v) = 0.344(m_v - 20.3) + 2.983,\ 19.9 \leq m_v \leq 20.7;$$

$$\log N(\leq m_v) = 0.250(m_v - 21.5) + 3.327,\ m_v \geq 20.8; \quad (1)$$

where $N(\leq m_v)$ is the number of galaxies per square degree

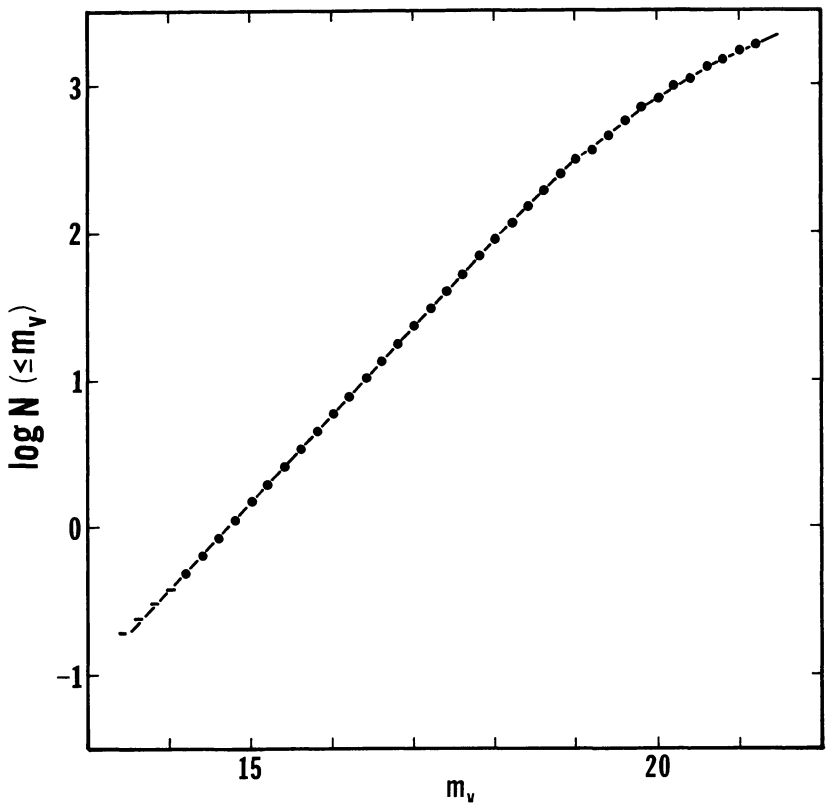

FIG. 1.—Luminosity function for field galaxies. The dots are the calculated points from Rainey (1977), corrected for the difference in effective wavelength between V and IIIa-J magnitudes and for the differential k-correction between the two passbands. The dashes represent uncertain data. The lines are the linear representations over specific magnitude ranges that we used for computing the background correction.

TABLE 1

AREAS WITHIN COUNTING DIAMETERS

	Diameter (mm)										
	9	14	18	22	30	36	45	60	90	120	180
Diameter (arcmin).....	10.1	15.7	20.1	24.6	33.6	40.3	50.4	67.1	101	134	201
Area (arcmin^2).....	80.1	193	317	475	887	1276	1995	3536	8012	14100	31730

brighter than magnitude m_v. The actual data used, along with these linear fits, are shown in Figure 1.

The number of "field" galaxies within the counting area (defined by the "Abell" radii) is then just

$$C_f = [N(\leq m_3 + 2)]\left(\frac{A}{3600}\right), \quad (2)$$

where $N(\leq m_3 + 2) = N(\leq m_v)$ is from equations (1) above and A is in square arcminutes from Table 1. The corrected counts are then

$$C_r(c) = C_r - C_f, \quad (3)$$

where C_r are the raw counts.

IV. CONSTRUCTION AND CALIBRATION OF THE STEP SCALES

Step scales of galaxy images ("flyspankers") were constructed from cosmetically defective film copies of IIIa-J plates. Elliptical or early lenticular galaxy images of moderate ellipticity were chosen, mounted side by side and arbitrarily numbered with lower numbers representing brighter images. (A similar step scale is shown by Dressler 1980.) Abell used a different step scale than did Corwin, but both calibrated the step scales against the same galaxies as explained below. Corwin's step scale (the first constructed by Abell) proved unsatisfactory in its middle range as several galaxies did not match the appearance of typical cluster objects, so Corwin constructed a third step scale from a film copy of the Virgo Cluster plate used for calibration (see below). This step scale was used for most of the survey by both Corwin and Olowin.

Abell also constructed step scales of spiral and edgewise galaxies, but these were found to be of little use for the following reasons: (1) It is difficult to distinguish morphological types for galaxies fainter than about $V=17$ on the UKST plates. This made construction of the faint end of the spiral step scale difficult. (2) Virtually no accurate photometry for faint spiral galaxies existed in the southern hemisphere at the time of the step scale's construction (1976). This meant that accurate calibration of the faint end of the step scale would be impossible. (3) While many clusters have first- or third-ranked members that are spirals or spindles (edgewise galaxies), very few clusters have enough such objects dominating at the level of the tenth-ranked galaxy to make the use of a spiral or edgewise step scale necessary. Without introducing large errors in the finally adopted distances (our only use for the magnitude estimates of the tenth-ranked objects), we could usually choose elliptical or lenticular galaxies as the tenth brightest member.

Abell and Corwin calibrated the arbitrary steps of their step scales against magnitude using an original IIIa-J plate (J2137) of the central part of the Virgo Cluster. Accurate total V magnitudes derived from photoelectric photometry were taken from de Vaucouleurs and Head (1978) for most galaxies in the field brighter than $V=13$, and for many fainter objects as well. Similar total V magnitudes for other galaxies in the field were derived by Corwin using observations from Sandage (1972) for galaxies in A1553, and by Corwin (1980, and unpublished McDonald observations) for several other galaxies in the Virgo Cluster as well as behind it. A few additional calibrating galaxies were chosen from the Indus Supercluster fields and from A2670, all photoelectrically measured by Corwin (1980).

The faint end of the step scale was calibrated using magnitudes of globular clusters and stars around M87 (Hanes 1975). Since all of the globular clusters are completely stellar in appearance, and since they are seen against the faint outskirts of M87, use of their magnitudes and the magnitudes of stars to calibrate galaxy images will introduce systematic errors in the calibration. In addition, the colors of the Galactic foreground stars and the M87 globulars are on average bluer than the colors of most of the faint cluster galaxies.

Therefore, we checked the calibration of the faint end of our step scale against magnitudes for very faint stars and galaxies observed electrographically by Hawkins (1981). While Hawkins compares his B magnitudes with ours, he does not show the V magnitude comparison which interests us here. This comparison, shown in Figure 2, suggests that our calibration has no large errors except for the known effect of color.

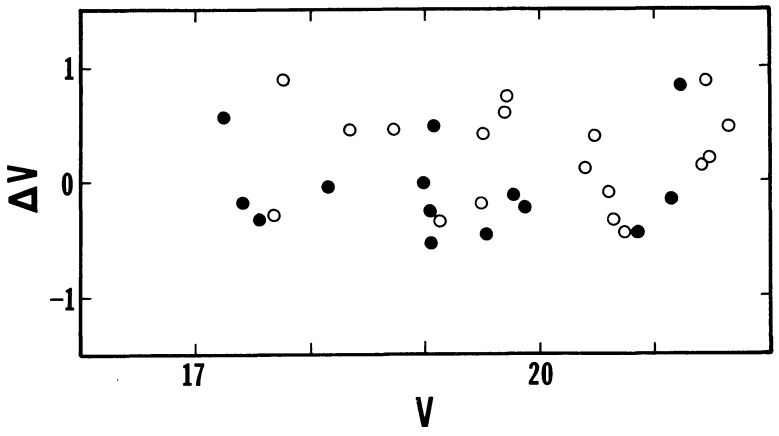

FIG. 2*a*

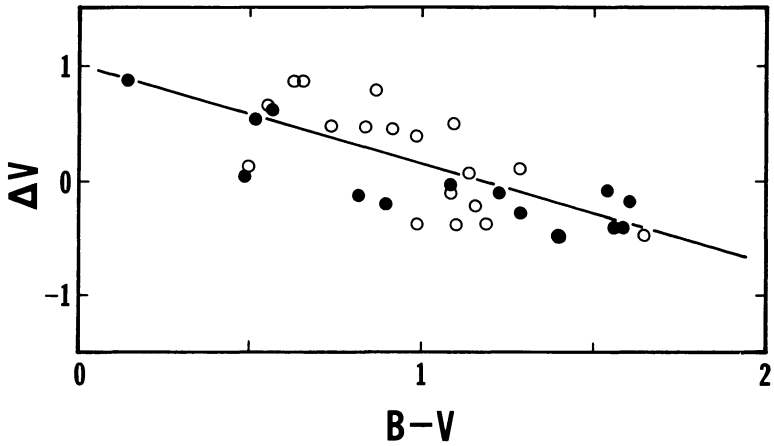

FIG. 2*b*

FIG. 2.—(*a*) Comparison of Hawkins's (1981) electrographic V magnitudes with step scale V magnitude estimates. (*b*) Correlation of Hawkins's (1981) $B-V$ electrographic colors with V magnitude differences (electrographic *minus* step scale). The solid points are data for stars; the open points are for galaxies.

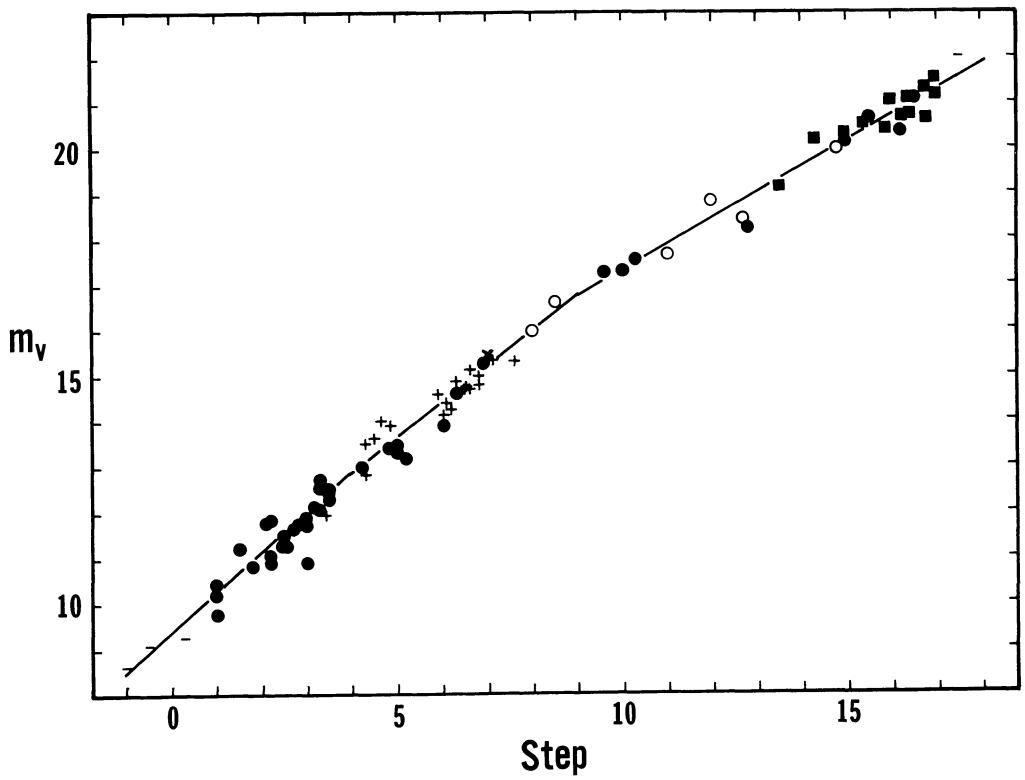

FIG. 3.—Step scale calibration example. The lines show the adopted calibration for Corwin's step scale. Filled circles are data for Virgo Cluster galaxies, plus signs are data for Indus Supercluster galaxies, the cross is for a galaxy in Abell 2670, open circles are for field stars around M87, filled squares are for globulars around M87, and short dashes are uncertain data.

The impartial line shown in Figure 2*b*,

$$V_{EG} - V_S = \begin{matrix} +0.064 - 0.875[(B-V)_{EG} - 1.0], \sigma = \pm 0.260 \\ \pm 0.047 \pm 0.107 \end{matrix} \quad (4)$$

applies to all 32 objects in common between the two samples (the "EG" subscripts refer to Hawkins's electrographic data, and the "S" subscript to our step scale data). However, for the eight galaxies with $B-V>1.0$, the mean residual is -0.114 ± 0.114 (s.d. $= \pm 0.323$). Since we expect that most of our cluster galaxies will have $B-V$ color indices larger than 1.0, we have made no corrections to our V magnitude estimates. Nevertheless, we caution users of the southern catalog that our magnitude estimates are probably more uncertain at $m>18$ than for brighter objects because of our reliance on stars and globular clusters for the calibration at these faint magnitudes.

Olowin recalibrated the step scale against a film copy of the same IIIa-J Virgo Cluster plate that Abell and Corwin used. His calibration differed only slightly in zero point (see § V) and was adopted as the final magnitude system for the southern survey as his data constitute nearly 60% of the survey data.

As an example of our calibration curves, the final adopted calibration for Corwin's second step scale is shown in Figure 3.

V. COMPARISON OF THE EDINBURGH AND OKLAHOMA SURVEYS

After all the fields were scanned, the cluster data were collected and reduced to a common magnitude system by comparing Olowin's Oklahoma data with Corwin's Edinburgh data. The counts were directly reduced to the system of the northern survey as discussed below in § VI.

A preliminary comparison of the magnitude estimates for the tenth-ranked members in the 45 northern Abell clusters in common between Corwin's and Olowin's lists showed only a marginally significant zero-point difference of 0.13 ± 0.08 (mean error), in the sense that Corwin's estimates are systematically brighter than Olowin's. Therefore, all Corwin's estimates were corrected by $+0.1$. We attribute this small difference to the fact that the sky background was always denser on the original plates scanned by Corwin than on the films scanned by Olowin.

A test of the magnitude residuals for all 201 clusters in common after this correction (see Fig. 4) showed that Olowin's estimates for the first-ranked galaxies were 0.19 ± 0.04 mag brighter than the means, while Corwin's estimates were 0.12 ± 0.03 fainter. While these are significant differences, the fact that the third- and tenth-ranked estimates did *not* show any significant differences ($\langle \Delta m_3[O] \rangle = 0.00 \pm 0.03$, $\langle \Delta m_{10}[O] \rangle = -0.03 \pm 0.02$, $\langle \Delta m_3[C] \rangle = 0.00 \pm 0.02$, and $\langle \Delta m_{10}[C] \rangle = +0.03 \pm 0.02$) has persuaded us to make no further correction to the magnitudes for the first-ranked galaxies. The large magnitude difference for the first-ranked members is possibly

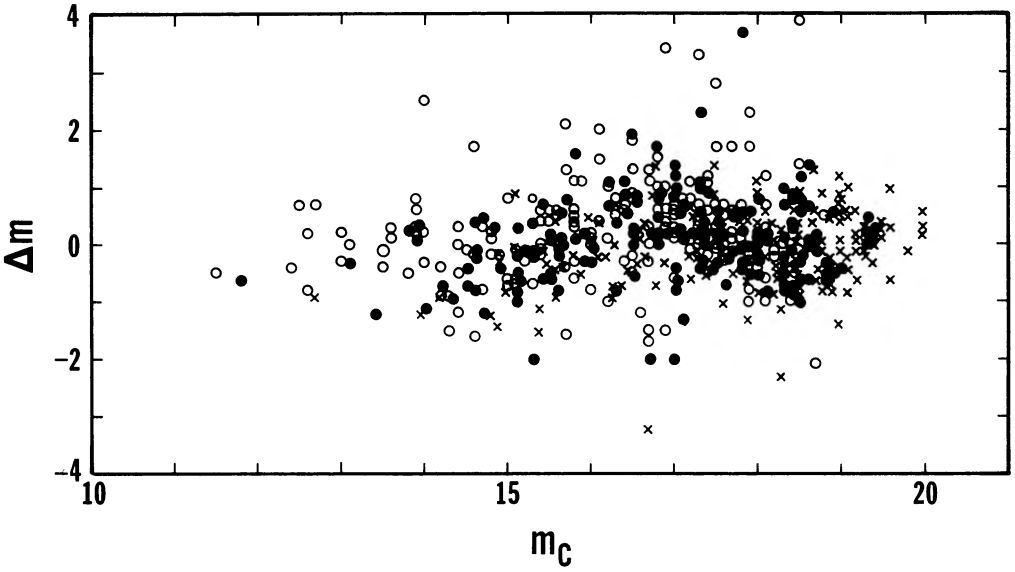

FIG. 4.—Comparison between Corwin's and Olowin's magnitudes for 201 clusters in common. The open circles are data for the first-ranked cluster members, the filled circles are for the third-ranked members, and the crosses are for the tenth-ranked members. Δm is m_c *minus* m_0.

due to foreground contamination: that is, Olowin and Corwin apparently often selected different galaxies as first-ranked cluster "members," one or the other of which may be a foreground galaxy.

The standard deviations in the residuals from the means for the third- and tenth-ranked objects are also smaller than those for the first-ranked galaxies. For Olowin's data, the standard deviations are ± 0.60 (first), ± 0.36 (third), and ± 0.30 (tenth); for Corwin's data, the standard deviations are ± 0.46, ± 0.35, and ± 0.34, respectively. (Considering the differences in the sample sizes, these numbers are reasonably consistent with the internal standard deviations found in § II.) Thus, we must caution users of the catalog that the magnitudes of the first-ranked galaxies are probably not suitable for use as distance indicators. We have, of course, not used them in this way.

We have also compared Abell's southern data for the 45 clusters he has in common with Olowin and Corwin. For the counts, a triangular comparison of the residuals yields $\sigma(\text{Abell}) = \pm 12.1$, $\sigma(\text{Corwin}) = \pm 20.0$, and $\sigma(\text{Olowin}) = \pm 13.9$. These are not in agreement with counts for the northern samples (§ VI*a*) because of the small numbers of clusters in common in the south (Abell and Olowin have 42 clusters in common, while Abell and Corwin have just three clusters in common). They are also obviously very uncertain, again because of the small numbers of clusters in common to the different lists. We found no dependence on magnitude in Abell's southern counts, nor did we find a dependence in the residuals on the counts themselves.

We did, however, find a magnitude-dependent correction in Abell's southern magnitude estimates when compared with Olowin's and Corwin's estimates. Figure 5 shows an apparent discontinuity at $m_A(\text{south}) = 15.0$. We have corrected Abell's data to Olowin's scale using simple zero point shifts:

$$m_{OC} = m_A \underset{\pm 0.15}{+0.7}, \quad \text{s.d.} = \pm 0.5, \quad m_A < 15.0,$$

$$m_{OC} = m_A \underset{\pm 0.05}{-0.5}, \quad \text{s.d.} = \pm 0.55, \quad m_A > 15.0. \quad (5)$$

We do not know the source of the discontinuity in the magnitude scales.

VI. COMPARISON OF THE NORTHERN AND SOUTHERN SURVEYS

In order that the present survey be as homogeneous as possible with the northern survey (Abell 1958), we treated the northern Abell clusters in the overlap zone as newly discovered clusters, estimating magnitudes and counts in the same manner as for the "new" southern clusters. Here, we compare counts and magnitudes with Abell's northern data in order to derive formulae that will reduce the new data to the systems of the northern catalog.

a) Counts

Figure 6 shows the residuals between Corwin's counts and Abell's northern counts as a function of the magnitude (m_3) of the third brightest cluster member for 166 clusters in common. Three more or less distinct zones are set off in the figure, which also shows the adopted relations between the two sets of counts:

$$C_C(\text{fc}) = C_C(\text{c}) - 30, \quad m_3 \leq 13.5;$$

$$C_C(\text{fc}) = C_C(\text{c}) \underset{\pm 3}{-2} \underset{\pm 3.4}{+17.7}(m_3 - 16.5), \quad 13.5 \leq m_3 \leq 17.4, \quad \text{s.d.} = \pm 27;$$

$$C_C(\text{fc}) = C_C(\text{c}) \underset{\pm 3}{-5}, \quad m_3 \geq 17.5, \quad \text{s.d.} = \pm 30; \quad (6)$$

where $C_C(\text{c})$ are the background corrected counts from equation (3), and $C_C(\text{fc})$ are the fully corrected counts in Abell's northern system.

Figure 7 shows a similar plot for 158 Abell clusters counted by Olowin. The four residuals shown as dashes have been

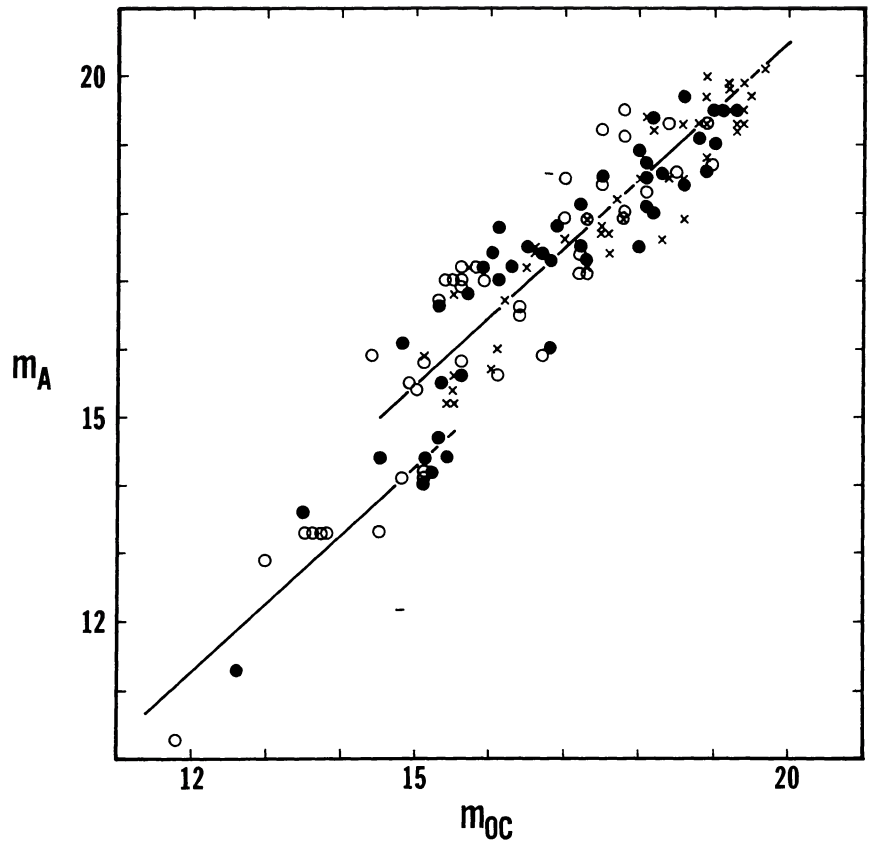

FIG. 5.—Comparison of Abell's southern magnitudes with Olowin's and Corwin's. The lines show the adopted corrections; the other symbols are the same as those in Fig. 4. The short dashes represent rejected data.

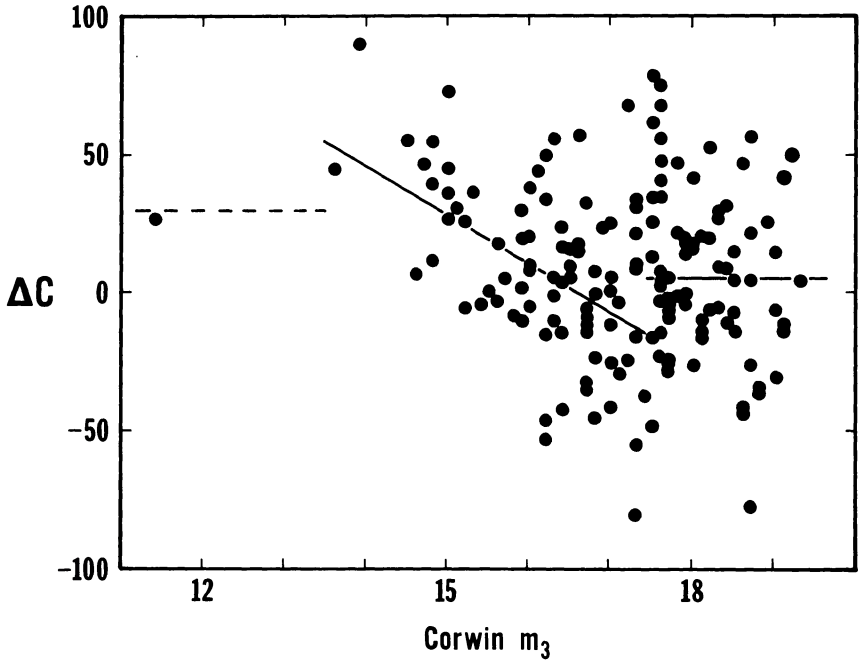

FIG. 6.—Corwin's corrected counts *minus* Abell's corrected northern counts *versus* m_3. The lines show the adopted corrections; the filled circles represent the data.

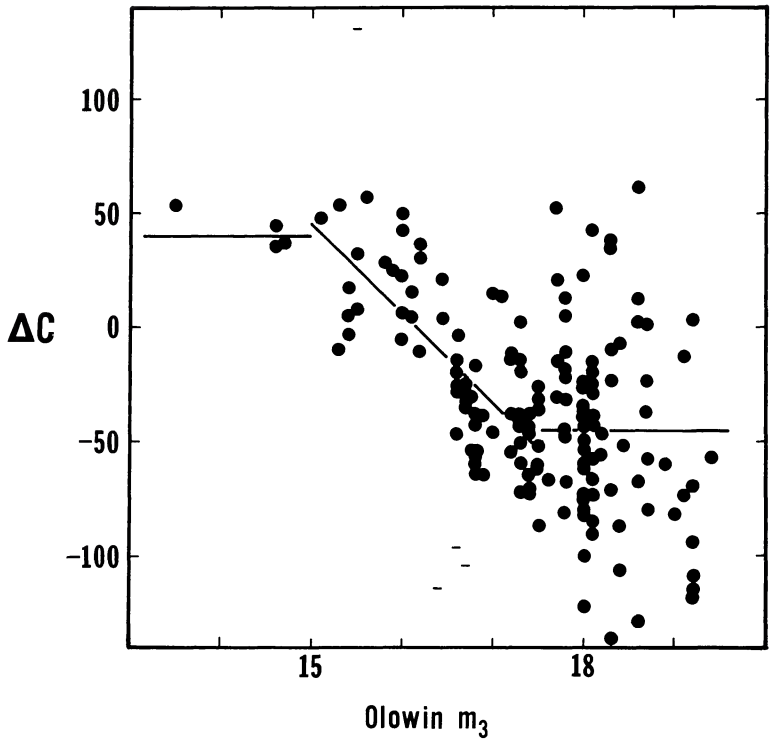

FIG. 7.—Olowin's corrected counts *minus* Abell's corrected northern counts *versus* m_3. The symbols are the same as in Fig. 6, except for the short dashes which represent rejected data.

rejected from the comparison. The adopted relations are

$$C_O(\text{fc}) = C_O(\text{c}) \underset{\pm 4}{-40}, \qquad m_3 \leq 15.0, \qquad \text{s.d.} = \pm 8;$$

$$C_O(\text{fc}) = C_O(\text{c}) \underset{\pm 3}{+13} \underset{\pm 3.9}{+38.8}(m_3 - 16.5),$$

$$15.0 \leq m_3 \leq 17.5, \qquad \text{s.d.} = \pm 23;$$

$$C_O(\text{fc}) = C_O(\text{c}) \underset{\pm 5}{+45}, \qquad m_3 > 17.5, \qquad \text{s.d.} = \pm 43. \quad (7)$$

The differing zero points for the bright and faint clusters, and the strong slopes for the clusters of intermediate brightness, are most likely due to the different magnitude systems used for the two surveys (§ VI*b*).

We derived final errors in the counts in the following manner. The standard deviation in the counts (after correcting Corwin's counts via eq. [6]) within the Corwin–Abell (north) sample is ± 28.1. For the Olowin–Abell (north) sample (Olowin's counts corrected via eq. [7]), the standard deviation in the counts is ± 33.6. For the 42 clusters in the overlap zone in common between Corwin and Olowin, the standard deviation in the fully corrected counts is ± 41.1. Therefore, a triangular comparison of these fully corrected counts gives σ(Abell north) = ± 10.7, σ(Corwin) = ± 26.0, and σ(Olowin) = ± 31.8. However, a better indication of the true errors in the corrected counts is probably given by comparison of the *total* sample (including the 42 northern clusters) of 201 clusters in common between Corwin and Olowin. When this sample is used, the triangular comparison yields σ(Abell north) = ± 25.7, σ(Corwin) = ± 11.3, and σ(Olowin) = ± 21.6.

These *external* errors are in agreement with the previously derived *internal* errors (§ II*b*[vi]) only for Olowin's counts. There are obviously too few clusters in Abell's southern sample to derive a meaningful standard deviation for his data, and the implication of an external error in Corwin's counts of less than half the internal error is also not realistic. Therefore, we have finally adopted a mean of the southern and northern comparisons, assuming that the standard deviations in Abell's northern and southern counts are the same. The triangular comparison then gives σ(Abell north and south) = ± 19, σ(Corwin) = ± 17, and σ(Olowin) = ± 18. These are obviously uncertain, but suggest that the errors in the counts of the three observers are about the same. Therefore, we adopt a final standard deviation of ± 18 for our southern counts and —subject to confirmation—Abell's northern counts as well.

Since the mean number of galaxies in a rich cluster in the southern list is 60 (compared with 64 for the northern list), the standard deviation derived in the previous paragraph corresponds to uncertainties of 30% in the south and 28% in the north. These are significantly larger than the 17% *internal* uncertainty found by Abell for the northern survey. Considering the comparison here of an "external" with an "internal" uncertainty, and considering also the differences in plate material, counting techniques, magnitude scales, number of observers, etc., a somewhat larger error for the southern counts would not be unexpected.

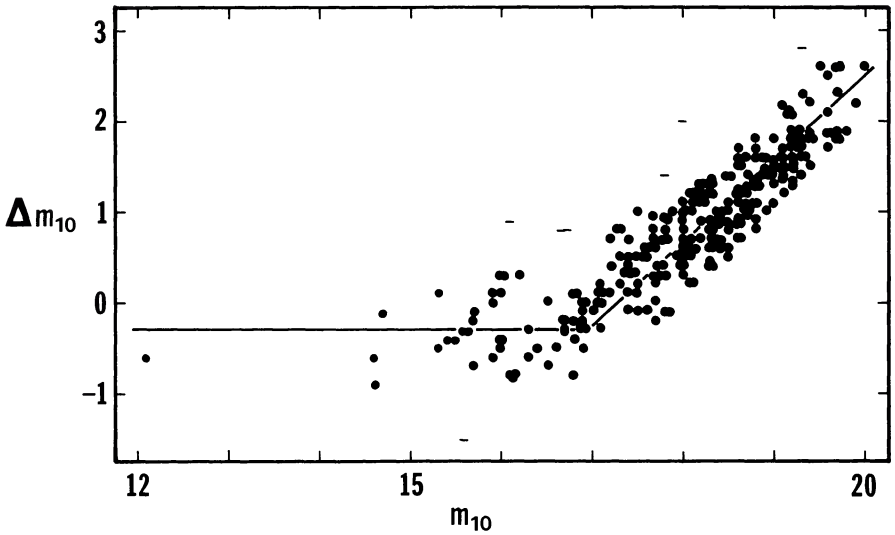

FIG. 8.—Corwin-Olowin southern m_{10} *minus* Abell northern m_{10} *versus* Corwin-Olowin southern m_{10}. The short dashes represent uncertain data. The solid lines are the adopted relations.

The size of the difference is larger than we expected, however. We suggest (without proof) that our use of a "universal" luminosity function to compute the background corrections has led to much of the difference. Abell (1958) used counts near each cluster to find background corrections for the northern clusters. These "local" corrections are probably much more appropriate for the counts than are corrections from an all-sky luminosity function, given the uneven nature of the distribution of the galaxies (see, e.g., Shane and Wirtanen 1967; and de Vaucouleurs 1971).

Another indication of the inappropriateness of the use of the "universal" background correction is seen in the negative corrected counts for many of the poorer clusters that we found (see Table 5). Since these groups and clusters were selected as density enhancements above the *local* background, we expect that local background counts would show them to have a positive number of member objects, in accord with our visual impressions.

Odewahn (1987, private communication) has suggested that the faint, diffuse background light seen in many of the clusters (see § VIII) may have led to uncertainties in the magnitude estimates and therefore in the counts. This may have had a "second-order" effect on the magnitudes and counts, but we have no ready way of testing for it with the present data.

b) *Magnitudes*

As explained in § IV, the magnitudes estimated in the southern survey are total V magnitudes, rather than red magnitudes as estimated by Abell for the northern clusters. Also, the southern magnitudes were estimated on IIIa-J plates and film copies, so there will be a second color term in any comparison made between the two systems. The differential k-correction between the two passbands will add yet another color term to the relationship. However, because the k-term ensures that the colors of elliptical and lenticular galaxies are correlated with redshift (thus with distance and magnitude itself), any color terms will be absorbed into the magnitude scale terms in the following comparison.

We have, however, removed the Galactic latitude correction from the northern magnitudes and have made the small correction to bring Corwin's magnitude estimates into Olowin's system (§ V).

Figure 8, the comparison of the m_{10} values, clearly shows the increased sensitivity of the IIIa-J emulsion to redshift. For clusters with $m_{10} \geq 17.0$,

$$m_{10}(\mathrm{N}) = m_{10}(\mathrm{S}) \underset{\pm 0.15}{-1.12} \underset{\pm 0.03}{-0.91} [m_{10}(\mathrm{S}) - 18.5],$$

$$\text{s.d.} = \pm 0.28. \quad (8)$$

Since the slope is so close to 1.0, the northern magnitude estimates apparently have almost no correlation with distance for $m_{10}(\mathrm{N}) > 17$. The low redshift resolution of the northern survey explains why many of the clusters are being found to have redshifts beyond the nominal cutoff at $z = 0.2$ (see Struble and Rood 1987*b*).

For the clusters with m_{10} brighter than 17.0,

$$m_{10}(\mathrm{N}) = m_{10}(\mathrm{S}) \underset{\pm 0.04}{+0.30}, \qquad \text{s.d.} = \pm 0.31. \quad (9)$$

After the corrections of equations (8) and (9) were made, the revised magnitude residuals were once again checked. A residual zero point of -0.24 mag (m_{10}[S] too bright) was found and corrected. We also searched for but found no systematic effects in these final residuals dependent on magnitude, richness, or Galactic latitude.

Finally, the corrected southern magnitudes were further corrected for Galactic extinction using Abell's (1958) formula

$$m_{10}(\mathrm{c}) = m_{10} - 0.136(|\csc b| - 1). \quad (10)$$

The southern magnitudes so reduced are listed in the catalog

for comparison with the northern catalog only. As explained above, the southern magnitudes are preferred for redshift estimates.

VII. RICHNESS AND DISTANCE CLASSES AND A MAGNITUDE-REDSHIFT RELATION

a) Richness Classes

We have adopted Abell's (1958) richness classes for the southern clusters. (For convenience, Abell's table of count versus richness class is copied here as Table 2A.) We note that Abell's original goal was to produce a "statistical" sample of rich clusters with more than 50 member galaxies in the magnitude interval m_3 to $m_3 + 2$. We stress that while we may have achieved this statistical goal (this assertion needs to be tested with a machine-selected sample of rich clusters), we nevertheless strongly urge that the counts given here, even for the northern clusters, *not* be used in studies of individual clusters. Detailed luminosity functions corrected for the local background will have to be used to derive accurate counts.

b) Distance Classes

Even though the magnitudes for the northern clusters have almost no correlation with distance for $m_{10}(N) > 17.0$, we have still used the southern magnitudes converted to the northern scale for distance class determination. We do this for consistency with the northern survey. Table 2B repeats Abell's (1958) table of distance class versus magnitude.

c) Magnitude-Redshift Relations and Cluster Redshifts

From a consideration of a mean cluster luminosity function (Abell 1976, and references therein), the *k*-correction, and the differences between the IIIa-J bandpass and the standard *B*

TABLE 2A

CLUSTER POPULATIONS AND RICHNESS CLASSES

Population	Class	Population	Class
30–49.....	0	130–199	3
50–79.....	1	200–299	4
80–129.....	2	300 or more ...	5

TABLE 2B

MAGNITUDES AND DISTANCE CLASSES

m_{10}(c)	Class	m_{10}(c)	Class
<13.3	0	15.7–16.4	4
13.3–14.0	1	16.5–17.2	5
14.1–14.8	2	17.3–18.0	6
14.9–15.6	3	>18.0	7

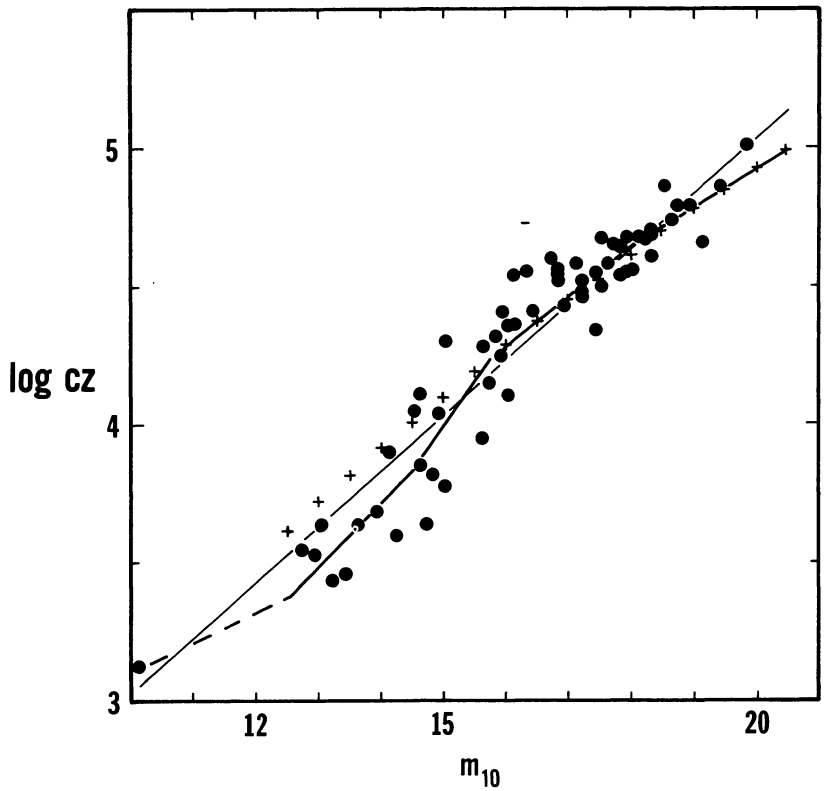

FIG. 9.—Magnitude-redshift relations. The dots are data for the Abell clusters in the overlap zone or for nearby southern clusters, with known redshifts. The thin line is a linear magnitude-redshift relation with a slope of 5. The solid and dashed lines are the empirical relationships over different magnitude ranges. The plus signs represent a magnitude-redshift relation calculated from northern hemisphere data corrected to the magnitude system of the southern survey.

and V bandpasses, Abell derived the magnitude-redshift relation shown in Figure 9. Figure 9 also shows a linear magnitude-redshift relation fit to Abell's at $m_{10} \approx 17.0$–17.5. Finally, Figure 9 displays data for the northern clusters measured on IIIa-J plates/films in the overlap zone and our adopted magnitude-redshift relation.

As a check of this adopted relation, we have also plotted the data for the nearer southern clusters with known redshifts. There is a significant departure in the same sense as is seen for the bright galaxies in the southern hemisphere (see, e.g., de Vaucouleurs 1958; de Vaucouleurs and Peters 1985; Dressler *et al.* 1987; and references therein): the redshifts are lower than the adopted magnitude-redshift relation would predict. The effect is clearly significant, and is larger than any allowable uncertainty in our magnitude calibration at the bright end.

Therefore, before searching for cluster redshifts for the southern clusters, we derived an empirical magnitude-redshift relation from the data shown in the figure. Again, we prefer not to fit a single arbitrary function to the data, but use instead straight line segments over limited magnitude ranges (the data for A2359, shown as a dash in Fig. 9, were omitted):

$$\log cz = 0.108[m_{10}(\mathrm{S}) - 11.5] + 3.26, \qquad m_{10}(\mathrm{S}) \leq 12.5,$$

$$\log cz = 0.23[m_{10}(\mathrm{S}) - 13.5] + 3.595, \qquad 12.5 < m_{10}(\mathrm{S}) \leq 14.5,$$

$$\log cz = 0.324[m_{10}(\mathrm{S}) - 15.25] + 4.07, \qquad 14.5 < m_{10}(\mathrm{S}) \leq 15.75,$$

$$\log cz = 0.18[m_{10}(\mathrm{S}) - 17.0] + 4.46, \qquad 15.75 < m_{10}(\mathrm{S}) \leq 18.0,$$

$$\log cz = 0.14[m_{10}(\mathrm{S}) - 19.5] + 4.85, \qquad m_{10}(\mathrm{S}) > 18.0. \tag{11}$$

These empirical relationships are shown in Figure 9.

The range about these linear relationships is roughly ± 0.3 in log cz. Therefore, in our searches for redshifts, we adopted the following restrictions: if a redshift for a galaxy within one Abell radius of the center of the cluster is more than ± 0.6 in log cz away from the nominal redshift predicted by equations (11), we assume the galaxy to be either a foreground or a background object. Those objects with redshifts in the range ± 0.3 to ± 0.6 in log cz from the nominal redshift are considered as possible cluster members; if there are no other redshifts for galaxies in the area of the cluster, then these redshifts are enclosed in parentheses in Tables 4–6 to call attention to their uncertainty. We suspect that most of these redshifts will, upon further examination, turn out to apply to foreground or background objects.

VIII. THE ABELL CATALOG OF RICH GALAXY CLUSTERS

Tables 3 and 4 give data for 4073 clusters of galaxies meeting our criteria for "rich clusters within $z = 0.2$," that is, the so-called Abell clusters. The adjective "rich" has the same meaning as in Abell (1958) and in the above discussion: at least 30 cluster members in the magnitude range m_3 to $m_3 + 2$. With the mean error of ± 18 in the counts of cluster members, our catalog should be "complete" for clusters with 50 or more members in that magnitude range.

Table 3 is the revised northern "Abell catalog" in essentially the same form that it has been distributed in by Abell and his colleagues at UCLA since 1980. However, the coordinates are now for the equinoxes 1950 and 2000, the precession and cluster diameters have been omitted, the redshifts have been updated from Struble and Rood (1987*a*), and Bautz–Morgan types have been added from Leir and van den Bergh (1976) (or from other sources given below if not listed by Leir and van den Bergh). The northern catalog has also had all known errors corrected (Struble and Rood 1987*a*; Leir 1976 as reported by Struble and Rood 1987*a*; and Corwin 1972, unpublished).

The columns are as follows:

Column (1).—Abell number, 1 to 2712, numbered in order of right ascension for 1855.0, the original equinox of the northern catalog.

Columns (2) and (3).—Right ascension and declination for the equinox 1950.0.

Columns (4) and (5).—Right ascension and declination for the equinox 2000.0.

Columns (6) and (7).—Galactic longitude and latitude calculated from the 1950.0 equatorial coordinates.

Columns (8) and (9).—Rectangular coordinates (in millimeters, computed with respect to the southeast corners) on the Palomar Sky Survey prints from Sastry and Rood (1971), who give additional information, also, the PSS field number and alternate rectangular coordinates if the cluster appears in more than one field.

Column (10).—Cluster classification in the Bautz–Morgan system (Bautz and Morgan 1970). For the northern Abell catalog, these types are primarily from Leir and van den Bergh (1977). Other sources for the northern catalog are Bautz and Morgan (1970), Bautz (1972), Corwin (1974), Sandage, Kristian, and Westphal (1976), Kristian, Sandage, and Westphal (1978), and White (1978).

Column (11).—Background-corrected count of cluster members in the magnitude range m_3 to $m_3 + 2$.

Column (12).—Cluster redshift from Struble and Rood (1987*b*).

Columns (13), (14), and (15).—Richness and distance classes and m_{10}, the red magnitude of the tenth brightest cluster member, all from Abell (1958).

Finally, we refer users of the northern catalog to Struble and Rood (1987*a*), who give valuable and extensive notes for the northern clusters.

The information for the clusters found during the southern survey is given in Tables 4–6. The columns on the left-hand side of the page are as follows:

Column (1).—Abell number, 2713 to 4076, for the southern rich clusters (Table 4), numbered in order of 1950 right ascension. (When the notes to these tables were being prepared, three duplicate entries were found in Table 4: A3208 = A3207, A3833 = A3832, and A3897 = A2462.) Table 5 lists

the supplementary southern clusters not rich enough or too distant for inclusion in the main catalog. These are numbered from S1 to S1174, also in order of right ascension. Table 6 includes data for northern clusters found on IIIa-J UKST plates and films in the 10° overlap zone (−17° to −27°).

Columns (2) and (3).—Right ascension and declination for equinox 1950.0 of the apparent cluster center. When the cluster was found in more than one field, a mean position is listed. As explained in §§ II*a*(iii) and II*b*(iii) above, Abell and Corwin used overlays positioned with respect to SAO stars to estimate the position, while Olowin calculated positions from his measured rectangular coordinates. Thus, Olowin's positions were given double weight when means were taken.

Columns (4) and (5).—Right ascension and declination of the apparent cluster center precessed to the equinox of 2000.0.

Columns (6) and (7).—Galactic longitude and latitude calculated from the 1950.0 equatorial coordinates.

Column (8).—Southern Sky Survey Field Number in which the cluster is located. For clusters found in two or more fields, the field given is the one in which the cluster is closest to the plate center.

Column (9).—Rectangular coordinates in millimeters of the apparent cluster center, referred to the *center* of the Southern Sky Survey Field given in the previous column. The field centers are defined by the crosses near the edges of the plates. The positive x-direction is to the east (left) and the positive y-direction is to the north (top). These are in the same sense as the rectangular coordinates given by Lauberts (1982) in the ESO/Uppsala Catalog, and are listed to facilitate location of the cluster on the 5°×5° ESO 1.0 m Schmidt portion of the Southern Sky Survey. Abell and Corwin measured rectangular coordinates from the left and bottom edges of the plates, so the x_{cen} and y_{cen} from their data are calculated assuming that the plate center is 164 mm from the left and bottom crosses on the plates (they also measured the crosses). Olowin referred his rectangular coordinates directly to the plate center as defined by the crosses, so no transformation is necessary for his data.

Column (10).—Rectangular coordinates of the apparent cluster center, referred to the southeast (lower left) edge of the Southern Sky Survey Field given in column (8). The field edges are defined by the crosses near, but not at, the edges of the plates; thus, it is possible for these coordinates to be negative. Olowin's data were transformed assuming that the plate center is 164 mm from the crosses.

The columns on the right-hand side are:

Column (1).—Abell number, repeated.

Column (2).—Cluster classification in Abell's (1965) system: I, irregular; R, regular; IR and RI, intermediate. A colon indicates a mean type, with differences between estimates of two steps, or an uncertain type estimate; a question mark indicates a mean type, with differences between estimates of three steps, or a questionable type estimate.

Column (3).—Classification in the Bautz–Morgan system (Bautz and Morgan 1970) from the UKST. A colon indicates a mean type, with differences between estimates of two steps, or an uncertain type estimate; a question mark indicates a mean type, with differences between estimates of three or more steps, or a questionable type estimate.

Column (4).—Number of cluster members between m_3 and m_3+2, corrected for background contamination using the "universal" luminosity function from Rainey (1977). The southern counts are corrected to the system of the northern catalog (see § VI*a*).

Column (5).—Weighted mean total apparent V magnitude estimate for the first-ranked cluster member. *No Galactic extinction correction has been applied.* A colon indicates a mean magnitude, with a standard deviation of more than ±0.5 mag, or an uncertain magnitude estimate. A question mark indicates a mean magnitude, with a standard deviation of more than ±1.0 mag, or a questionable magnitude estimate. An asterisk indicates that the magnitude estimate is for a known or probable foreground object.

Column (6).—Weighted mean total V magnitude estimate for the third-ranked cluster member, again *uncorrected* for Galactic extinction. Uncertainty symbols as for m_1.

Column (7).—Weighted mean total V magnitude estimate for the tenth-ranked cluster member, again *uncorrected* for Galactic extinction. Uncertainty symbols as for m_1.

Column (8).—Number of fields in which the cluster was found, and the observer's initial (A, Abell; C, Corwin; O, Olowin).

Column (9).—Sources of previous data listings for the clusters: B, Braid and MacGillivray (1978); D, Duus and Newell (1977), d, Dressler (1980); K, Klemola (1969); O, Olowin (1987); Q, Quintana and White (1980 and private communication); R, Rose (1976); S, Sersic (1974); and s, Snow (1970). Even though all questionable cases of cross identification were checked on the Southern Sky Survey, there remain a few uncertain cases. These are given in Table 7. Duus and Newell (1977) give references to all lists of southern groups and clusters published previous to their compilation, including several shorter lists not referred to here.

Column (10).—Cluster redshift from the list by Struble and Rood (1987*b*, for the northern Abell clusters in Table 6), from Huchra's 1986 collection of published redshifts (Huchra, private communication), and from Fairall (1985), Corwin (1981; see also Corwin and Emerson 1982), Couch and Newell (1984 and private communication), Noonan (1981), and Spinrad (private communication). The redshift is in parentheses if it is between 0.3 dex and 0.6 dex from the expected redshift for the cluster's m_{10} (see § VII*c*). Cluster redshifts from Huchra's list and from Fairall (1985) were determined by selecting all galaxies with known redshifts within one Abell radius of the cluster center, rejecting discordant redshifts, and averaging the remainder.

Column (11).—Richness class as defined by Abell (1958).

Column (12).—Distance class from m_{10} (col. [13], right-hand side). See § VII*b* for details.

Column (13).—Magnitude for the tenth-ranked cluster member in Abell's (1958) system (from eqs. [8] and [9], corrected for Galactic extinction following Abell's formula, eq. [11]).

Most of the southern clusters have notes. These are given in Table 7 for the clusters listed in Tables 4–6. Notes for Olowin's clusters are given in upper case type, while Abell's and Corwin's notes are given in lower case type. Olowin's notes often refer to quadrants relative to the cluster or plate centers. These quadrants are numbered from 1 to 4 in a

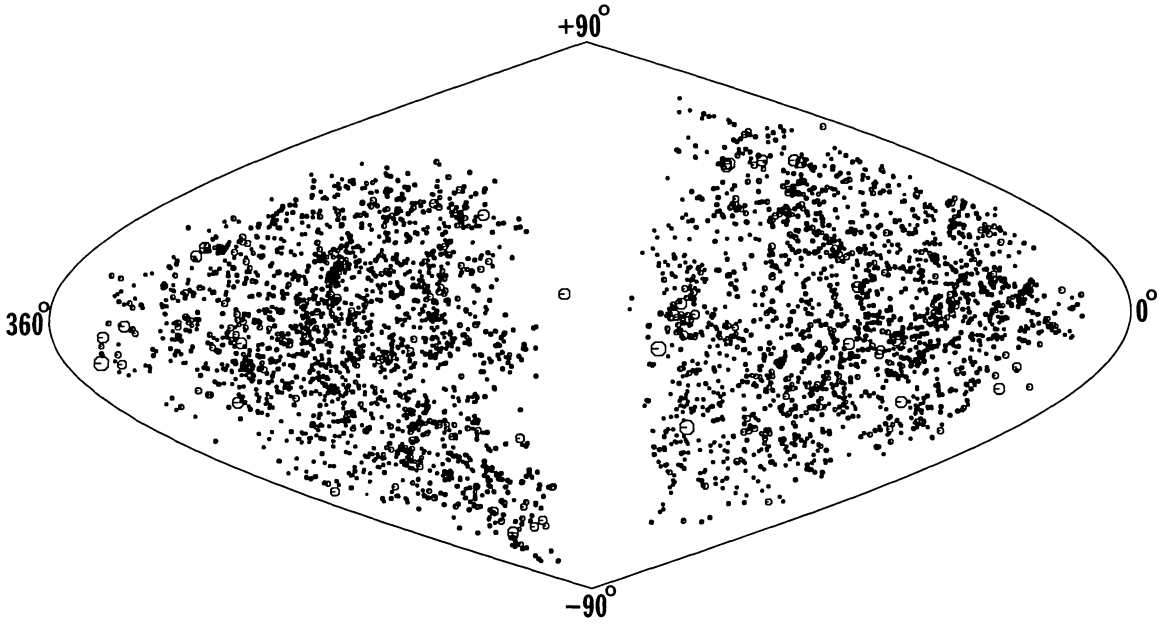

FIG. 10.—All-sky distribution of the 4073 Abell clusters in supergalactic coordinates. The symbol size has been scaled by distance class: the nearest (distance class 0) clusters are represented by large open circles, while distance class 7 clusters are shown as small dots.

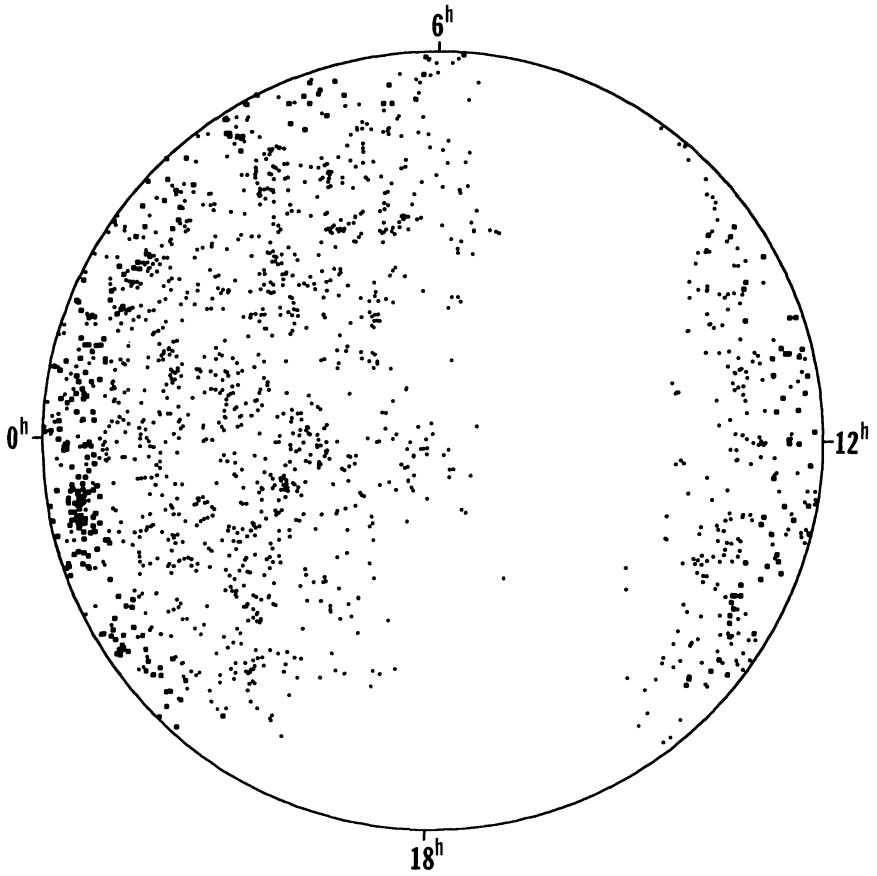

FIG. 11.—Distribution of 1638 Abell clusters south of −16°45′. Large dots show the positions of the northern Abell clusters between −16°45′ and −27°; small dots show the positions of the 1360 southern Abell clusters, including the "new" clusters in the overlap zone. The projection is centered on the south celestial pole.

counterclockwise direction, with quadrant 1 to the northwest of the cluster or plate center.

We also note that many of the clusters in the catalog have a very faint background light, typically diffused throughout the central area of the cluster. This background glow has been previously noted by Zwicky (1952, 1957) and has been measured in the Coma Cluster (A1656) (e.g., de Vaucouleurs and de Vaucouleurs 1970; Gunn and Melnick 1975) and in other clusters (e.g., Baum 1973). The high-contrast, fine-grain UKST IIIa-J plates detect this background light readily. As noted above (§ VI*a*), this background light may have had a small effect on our magnitude estimates and counts.

The distribution of the 4073 Abell clusters is shown in Figure 10, with those south of $-16°45'$ shown in Figure 11. The distribution will be studied in detail by Chincarini *et al.* (in preparation).

Figure 12 is an all-sky integrated "luminosity function" for the rich clusters, with Figure 13 showing only the northern data, and Figure 14 the southern. Figure 14*a* uses our V magnitude estimates, while Figure 14*b* uses these estimates converted to Abell's northern system (using eqs. [8] and [9]). Figure 14*b* suggests that equations (8) and (9) over-correct our magnitudes at the limit of the survey.

IX. DISTRIBUTION OF THE CATALOG DATA

Magnetic tape copies of the main data tables (Table 3–6) listed here are available from the NASA Astronomical Data Center in Greenbelt, Maryland, and from the Stellar Data Center in Strasbourg, France. The tapes may be obtained by completing a copy of the request form published in the latest issues of the *Astronomical Data Center Bulletin* and the *Bulletin d'Information du Centre de Données Stellaires* (or by sending a letter with tape specifications—density, internal coding [ASCII or EBCDIC], and maximum allowable block size [physical record length]), and including with the request a 2400 foot (732 m) blank (preferably new) magnetic tape to Dr. Wayne H. Warren, Jr., Astronomical Data Center, Code 633, NASA Goddard Space Flight Center, Greenbelt, MD 20771, USA, or to Centre de Données Stellaires, Observatoire de Strasbourg, 11, rue de l'Université, 67000 Strasbourg, France. Floppy disk copies in IBM-PC format are available from either the second or third authors. Printed copies (reprints) of this article are available from the Astronomy Department, University of California, Los Angeles, or from the second or third authors.

Financial support for this project came primarily from the United States National Science Foundation as Grant Numbers AST 78-25648 (to the University of California, Los Angeles), AST 85-12150 (to the University of Texas, Austin), and AST 85-11837 (to the University of Oklahoma). An equipment grant from the OU Associates at the University of Oklahoma provided the digitizer and its support equipment. Dr. Philip Leitner, Dean of the School of Science of Saint Mary's College of California, provided additional financial support for travel and for computing equipment. Travel and subsistence support from the United Kingdom Science and

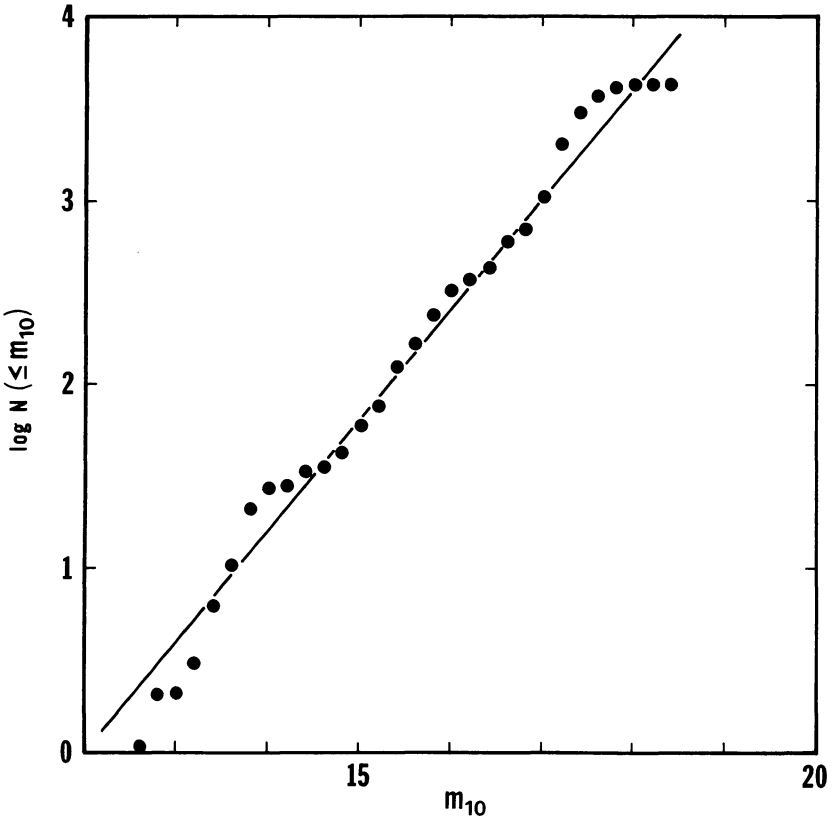

FIG. 12.—All-sky Abell cluster luminosity function. The line has the canonical slope of 0.6 and is fit by eye to the data between $m_{10}=14.5$ and $m_{10}=17.0$.

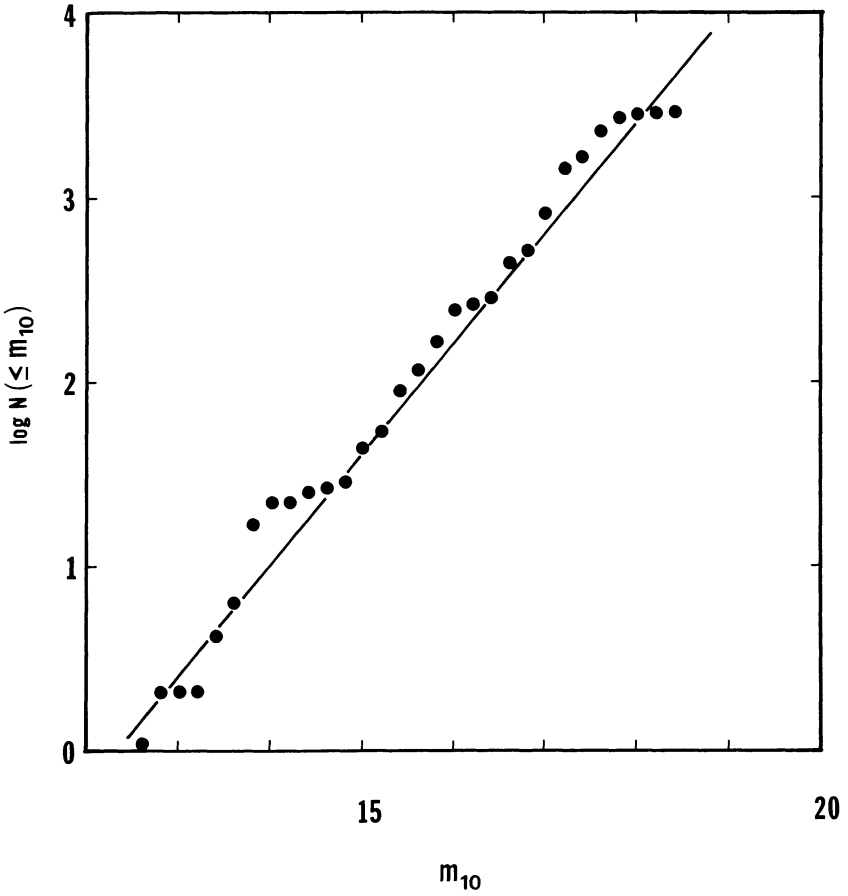

FIG. 13.—Northern Abell cluster luminosity function. The line of slope 0.6 is again fit by eye to the data between $m_{10}=14.5$ and $m_{10}=17.0$.

Engineering Research Council (SERC), McDonald Observatory, and the University of California, Los Angeles, is also gratefully acknowledged.

A project of this size could not have succeeded without the help and encouragement of many people. In particular, we are pleased to thank Professors Vincent C. Reddish and Malcolm S. Longair, successive directors of the Royal Observatory, Edinburgh, for their hospitality during Abell's and Corwin's stays in Scotland, the staff of the United Kingdom Schmidt Telescope Unit for help in the plate library, and for taking several plates specifically for this program, the excellent photographers at Siding Spring and Edinburgh who provided the film copies that enabled us to finish the survey, the Time Allocation Committees of the SERC and McDonald Observatory for generous allocations of telescope time for calibration photometry, the on-site staffs of the South African Astronomical Observatory and McDonald Observatory for valuable help during observing, Professor Guido Chincarini, who not only kept after all three of us until we got the work done, but who also contributed his expertise in innumerable ways throughout the later stages of the project, Phyllis Abell, Professor Ferdinand Coroniti, Forrest Barger, Phyllis Williams, and Katherine Sedwick for assistance and support during a trip to UCLA by H. C. in 1983 December, Katherine Sedwick and Albert Lee for their help in preparing the revised northern catalog, Warrick Couch, Tony Fairall, John Huchra, Barry Newall, and Hyron Spinrad for sending redshifts in advance of publication, Hernan Quintana and Richard White for their unpublished list of southern clusters, Gerard de Vaucouleurs, Frank Bash, Guido Chincarini, John Huchra, Ronald Buta, Shyamal Mitra, and Steve Odewahn for valuable comments on an early version of the manuscript, Wayne Warren for help in preparing the magnetic tape version of the catalog for distribution, and for ferreting out several errors and inconsistencies in the catalog files, Neta Bahcall, David Batuski, and Jack Burns for several valuable conversations and comments on the catalog, Harvey MacGillivray and George Efstathiou for information about the COSMOS and APM cluster surveys, respectively, and our devoted wives Phyllis, Kay, and Mary for their infinite patience with us.

Finally, it has become the sad duty of two of us (H. C. and R. O.) to dedicate this catalog to the memories of George Ogden Abell (1927–1983) and Antoinette de Vaucouleurs (1921–1987), two great catalogers whose work has helped immeasurably to advance extragalactic research in the twentieth century.

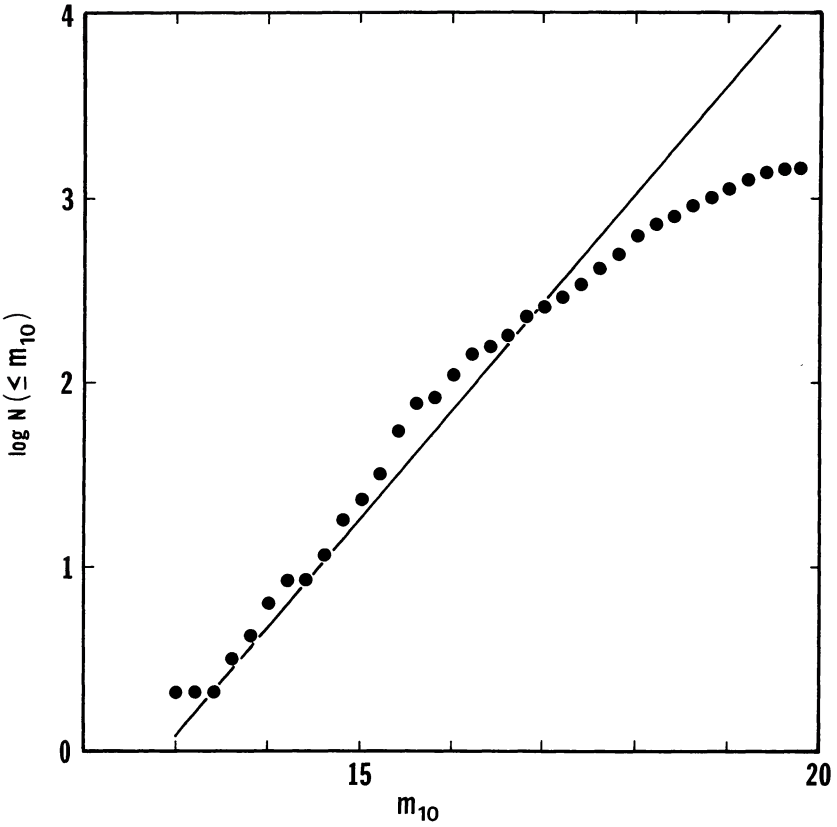

FIG. 14*a*

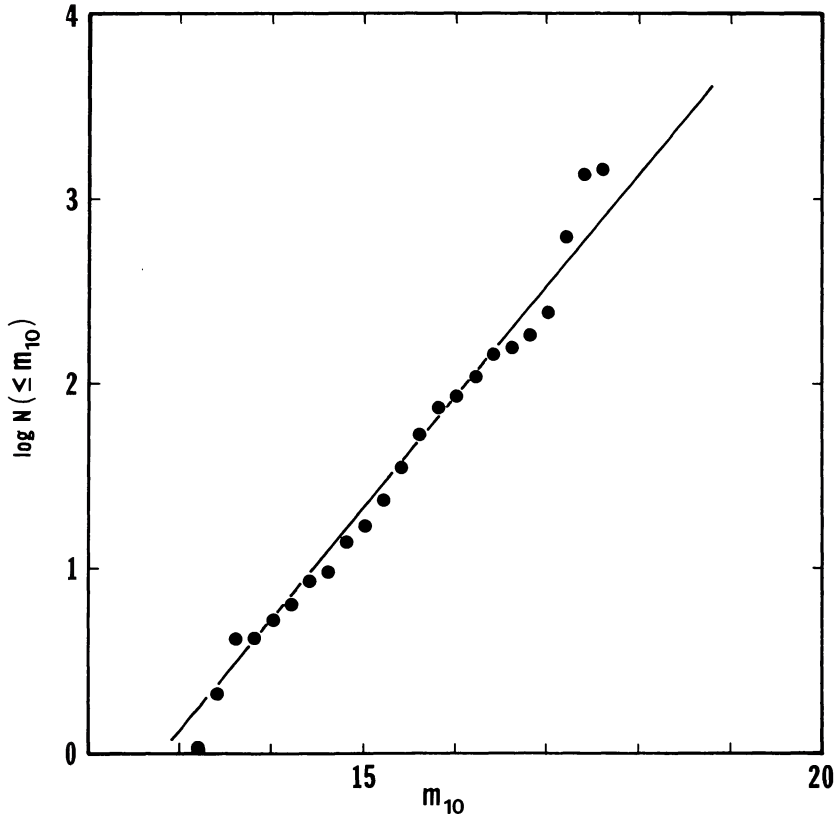

FIG. 14*b*

FIG. 14.—Southern Abell cluster luminosity functions. (*a*) *V* magnitudes. (*b*) *R* magnitudes in Abell's northern system. The lines of slope 0.6 are fit by eye to the data between $m_{10}=13.5$ and $m_{10}=17.0$.

TABLE 3

REVISED NORTHERN "ABELL CATALOG"

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0001	0005.0+1614	0007.6+1630	107.97-45.08	171	51	III	51	0.1249	1	5	17.1
0002	0005.9-1955	0008.4-1938	67.91-77.63	159	42	II	72		0	6	17.3
0003	0006.7+0345	0009.3+0401	103.24-57.22	148	347	II:	65		0	5	17.0
0004	0006.8+0630	0009.4+0646	104.71-54.60	147	173	III	55		0	6	17.8
0005	0007.7+3249	0010.3+3305	113.09-28.99	140	297		66		1	0	17.1
0006	0007.9+1725	0010.5+1741	109.30-44.09	134	115	II-III	116		0	6	17.5
0007	0009.1+3208	0011.7+3224	113.28-29.71	124	261	II-III	55	0.1073	1	5	17.1
0008	0009.6-1128	0012.2-1111	90.97-71.58	110	174	III	76		0	5	17.2
0009	0009.8+0911	0012.4+0927	107.09-52.20	107	317	II-III:	55		0	6	18.0
0010	0010.3-0616	0012.9-0559	97.75-66.95	100	131	III	88		0	5	17.2
0011	0010.2-1643	0012.7-1626	80.99-76.05	102	214	III:	129		0	5	17.2
0012	0010.8-0753	0013.4-0736	96.38-68.49	94	44	III	112		0	5	17.2
0013	0011.1-1947	0013.6-1930	72.27-78.46	92	49	II:	92		0	5	16.6
0014	0012.7-2410	0015.2-2353	52.57-81.22	63	141	III:	35	0.0640	0	3	15.2
0015	0012.7-2618	0015.2-2601	38.67-81.83	65	27	II-III	35	0.121	0	6	17.4
0016	0014.2+0628	0016.8+0644	107.78-55.10	48	171	III:	86	0.0838	2	5	17.0
0017	0014.4+0831	0017.0+0847	108.66-53.12	46	281	I-II	62		0	6	17.6
0018	0014.5-0304	0017.1-0247	102.80-64.31	44	302		41		0	0	17.1
0019	0016.3-0628	0018.9-0611	101.17-67.67	19	120	III	102		0	6	17.8
0020	0017.1-2254	0019.6-2237	63.20-81.50	8	208	II-III:	54		1	5	017.1
0021	0017.9+2821	0020.5+2837	114.77-33.75	18	60	I:	56	0.0948	1	4	16.2
0022	0018.2-2559	0020.7-2542	42.89-82.98	311	44	I	141	0.1432	3	6	17.5
0023	0019.2-0110	0021.8-0053	106.53-62.81	302	83		45	0.0052	0	5	17.0
0024	0019.9+2301	0022.5+2317	114.37-39.10	308	95	III	127	0.1338	2	6	17.5
0025	0020.5-0026	0023.1-0009	107.60-62.18	284	122	III	78		0	6	17.8
0026	0020.7+3634	0023.3+3650	116.71-25.69	305	179		129		2	0	17.4
0027	0022.3-2059	0024.8-2042	78.09-81.16	265	312		40		0	0	16.5
0028	0022.6+0751	0025.2+0807	111.79-54.18	256	246	III:	129		0	6	17.6
0029	0024.3+3817	0027.0+3833	117.70-24.06	264	270		46		0	0	17.5
0030	0024.2-1228	0026.7-1211	100.55-73.98	232	120	III	102		0	6	17.8
0031	0024.5+2221	0027.1+2237	115.62-39.90	252	58	II-III	90	0.1596	2	6	17.7
0032	0024.4-0923	0026.9-0906	103.99-71.07	230	286	II-III:	61		0	6	18.0
0033	0024.6-1947	0027.1-1930	85.46-80.56	225	50	III	69		0	6	17.9
0034	0024.7-0905	0027.2-0848	104.47-70.81	226	302	I-II	98		0	6	18.0
0035	0024.9-2157	0027.4-2140	76.58-82.28	232	261	III	58		0	5	17.1
0036	0025.1-1304	0027.6-1247	100.53-74.62	220	88	III	84		0	6	17.6
0037	0025.4-1048	0027.9-1031	103.39-72.50	216	210	II	66		0	6	18.0
0038	0025.8+1339	0028.4+1355	114.47-48.57	212	235	II:	69		0	6	17.6
0039	0025.8-1140	0028.3-1123	102.80-73.35	211	163	III	56		0	6	18.0
0040	0026.0+1607	0028.6+1623	115.02-46.13	210	45	III	64		0	6	17.5
0041	0026.2+0734	0028.8+0750	113.22-54.60	208	230	II-III	153	0.275	3	6	17.6
0042	0026.1-2355	0028.6-2338	65.76-83.78	217	156	I	154	0.1087	3	5	17.1
0043	0026.3+1718	0028.9+1734	115.34-44.96	206	109	III:	37	0.1114	0	4	15.9
0044	0027.0+1145	0029.6+1201	114.53-50.49	197	133	II	60	0.0559	1	5	17.0
0045	0027.3-1234	0029.8-1217	103.04-74.32	191	155	III	104		0	6	17.8
0046	0027.7-1309	0030.2-1252	102.70-74.91	186	84	II-III	78	0.150	1	6	17.6
0047	0028.1-2426	0030.6-2409	64.11-84.44	192	128	II	50		0	6	17.5
0048	0028.6+1216	0031.2+1232	115.24-50.03	176	160	III	52		0	6	17.6
0049	0028.9-1142	0031.4-1125	105.31-73.61	171	161	II	77		0	6	18.0
0050	0028.9-2230	0031.4-2213	79.00-83.31	183	232	II:	86		0	6	17.4
0051	0029.1-2356	0031.6-2339	69.61-84.33	180	155		37		0	0	17.4
0052	0029.3-1228	0031.8-1211	104.88-74.37	165	120	III	76		0	6	18.0
0053	0030.1-0750	0032.6-0733	109.25-69.93	155	47		33		0	0	17.2
0054	0031.1+2628	0033.7+2644	118.06-35.96	171	278		49		0	0	17.7
0055	0031.4+0603	0034.0+0619	115.11-56.28	139	149		46		0	0	17.2
0056	0031.3-0804	0033.8-0747	109.96-70.22	139	34	III	50		0	6	18.0
0057	0031.4-0911	0033.9-0854	109.33-71.32	137	296	III:	98		0	6	17.6
0058	0031.5-0702	0034.0-0645	110.69-69.21	136	90	III	51		0	5	17.2
0059	0031.8+3000	0034.5+3016	118.59-32.45	163	146	III	70		0	6	17.5
0060	0032.3+2945	0035.0+3001	118.70-32.71	157	133	II-III:	94		0	6	17.9
0061	0032.3-2328	0034.8-2311	78.30-84.55	140	180	III	61		0	6	17.7
0062	0032.7+2007	0035.3+2023	117.83-42.32	125	260	III	66		0	5	17.1
0063	0033.1+4925	0035.9+4941	120.35-13.10	226	223		33		0	0	16.1
0064	0033.9+1838	0036.5+1854	118.05-43.82	110	180	II-III	73		0	6	17.5
0065	0034.3+1848	0036.9+1904	118.20-43.66	105	189	III	93		0	6	17.5
0066	0034.1-0527	0036.6-0510	113.17-67.77	101	175		47		0	0	17.8
0067	0034.4+1859	0037.0+1915	118.25-43.48	103	199	II	86		0	6	17.5
0068	0034.4+0852	0037.0+0908	116.93-53.56	99	300	II-III	52		0	6	18.0
0069	0035.0+1804	0037.6+1820	118.35-44.41	95	150	II-III:	106		0	5	17.1
0070	0034.8-0742	0037.3-0725	112.66-70.02	92	54	II-III:	50		0	6	17.5
0071	0035.1+2919	0037.8+2935	119.39-33.19	124	110	III	30	0.0724	0	3	15.5
0072	0035.8+4527	0038.5+4543	120.59-17.09	166	331		47		0	0	16.3
0073	0035.7+0909	0038.3+0925	117.51-53.31	82	315	III	50		0	6	18.0
0074	0036.4-2235	0038.9-2218	91.67-84.40	89	227		49		0	0	15.9
0075	0037.2+2059	0039.8+2115	119.33-41.53	69	307		42	0.0626	0	3	15.5
0076	0037.2+0630	0039.8+0646	117.76-55.98	61	173	II-III	42	0.0416	0	3	15.0
0077	0037.9+2915	0040.6+2931	120.11-33.29	91	106	I:	50	0.0719	1	5	16.5
0078	0037.9+2628	0040.6+2644	119.93-36.07	89	279	II-III:	65		0	6	17.9
0079	0038.0+1752	0040.6+1808	119.33-44.65	57	140	III	73	0.0927	1	5	17.1
0080	0037.9-2457	0040.4-2440	76.92-86.51	73	99	III:	64		0	5	17.1
0081	0038.4+2200	0041.0+2216	119.77-40.53	80	39		46		0	0	17.7
0082	0038.7+2508	0041.4+2524	120.07-37.41	78	207	III:	125		0	5	17.1
0083	0038.8+1346	0041.4+1402	119.25-48.76	43	241		36		0	0	17.8
0084	0039.2+2108	0041.8+2124	119.96-41.41	44	315	II:	76	0.1030	1	6	17.6
0085	0039.1-0937	0041.6-0920	115.06-72.06	36	272	I	59	0.0518	1	4	15.7
0086	0040.0-2204	0042.5-2147	101.56-84.29	44	254		31	0.0610	0	4	15.9
0087	0040.5-1004	0043.0-0947	116.01-72.55	18	248	III	50		0	5	16.6
0088	0040.4-2619	0042.9-2602	61.98-87.80	44	26	III	58	0.1086	1	6	17.6
0089	0040.6-0942	0043.1-0925	116.23-72.19	16	268	III	37		0	5	16.6
0090	0040.8+0154	0043.4+0210	118.83-60.63	12	248	III	93		0	5	17.2
0091	0040.7-1054	0043.2-1037	115.86-73.39	15	203	II	55		0	6	17.6
0092	0041.1+2023	0043.7+2039	120.51-42.18	322	275		46		0	0	17.9
0093	0041.2-1844	0043.7-1827	110.92-81.15	317	105		47		0	0	16.9
0094	0042.7-0236	0045.3-0219	119.26-65.15	307	6		44		0	0	17.2
0095	0043.3-0108	0045.9-0051	119.79-63.70	301	85	II-III:	52	0.1115	1	5	17.2
0096	0043.7+3914	0046.4+3930	121.89-23.36	62	321	I-II	61	0.1344	1	6	17.4
0097	0043.4-2326	0045.9-2309	105.02-85.84	4	179	III	80		2	5	017.1
0098	0043.8+2013	0046.4+2029	121.36-42.37	288	266	II-III:	185	0.105	3	5	16.9
0099	0044.3-1755	0046.8-1738	116.25-80.46	279	149		40		0	0	17.1
0100	0044.7-0247	0047.3-0230	120.43-65.36	280	318		40		0	0	17.7

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0101	0045.0-0111	0047.6-0054	120.75-63.77	278	82	II:	90			0	5	17.2
0102	0046.1+0106	0048.7+0122	121.49-61.49	263	205	II-III	39	0.0632		0	3	15.4
0103	0046.7-0607	0049.2-0550	121.43-68.71	253	139	III	80			0	5	17.2
0104	0047.1+2415	0049.8+2431	122.46-38.35	293	161	II-III:	50	0.0822		1	4	15.9
0105	0047.0-0500	0049.5-0443	121.70-67.59	249	199	II-III	59			0	5	17.2
0106	0047.9-1157	0050.4-1140	122.00-74.55	236	148		37			0	0	17.2
0107	0047.8-1931	0050.3-1914	120.95-82.11	234	64	III	59			0	5	17.1
0108	0048.5-0649	0051.0-0632	122.65-69.42	229	102	III	81			0	5	17.2
0109	0049.8+2157	0052.5+2213	123.25-40.65	262	37	III:	72			0	6	17.7
0110	0050.2+0551	0052.8+0607	123.55-56.75	208	138		46			0	0	17.2
0111	0050.3-0517	0052.8-0500	123.87-67.88	205	184	III	140			0	5	17.2
0112	0051.1-0104	0053.7-0047	124.19-63.66	196	88	III	50			0	5	17.2
0113	0051.0-0453	0053.5-0436	124.31-67.48	196	205	III	83			0	6	17.5
0114	0051.2-2157	0053.7-2140	128.36-84.53	228	261		43	0.0566		0	4	15.9
0115	0053.3+2603	0056.0+2619	124.21-36.54	218	257	III	174	0.1971		3	6	17.3
0116	0053.3+0022	0055.9+0038	125.31-62.21	167	167		48	0.0665		0	4	15.7
0117	0053.5-1018	0056.0-1001	126.77-72.87	162	237		40	0.0535		0	4	16.0
0118	0053.3-2641	0055.7-2624	176.44-88.80	200	8	III:	77			0	5	16.5
0119	0053.8-0132	0056.4-0115	125.76-64.11	159	64	II-III	69	0.0440		1	3	15.0
0120	0054.6-1641	0057.1-1624	130.19-79.21	147	217	III:	52			0	5	17.2
0121	0055.0-0717	0057.5-0700	127.33-69.83	143	77	III	67	0.1048		1	4	16.0
0122	0055.0-2633	0057.4-2616	180.90-88.42	180	15	I:	64			0	5	17.1
0123	0055.9-1440	0058.4-1423	130.54-77.17	131	3	II:	72			0	5	17.2
0124	0056.6+4206	0059.4+4222	124.51-20.48	260	154		94			2	0	17.5
0125	0057.5+1400	0100.1+1416	126.12-48.55	113	254	III	66	0.188		1	5	17.2
0126	0057.3-1429	0059.8-1412	131.93-76.94	113	13	I-II:	51			0	5	16.6
0127	0057.5-2344	0059.9-2327	151.07-85.86	149	166	II-III:	58			0	6	17.7
0128	0058.0-1314	0100.5-1257	131.90-75.68	103	80		41			0	0	17.0
0129	0058.5-1014	0101.0-0957	130.88-72.69	97	241	II	103			0	6	17.8
0130	0059.0-0025	0101.6-0008	128.50-62.91	90	124	II-III	66			0	5	17.2
0131	0059.7-1503	0102.2-1446	134.93-77.40	81	304	III	51			0	5	17.2
0132	0100.3+2645	0103.0+2701	126.12-35.78	133	294		39			0	0	17.7
0133	0100.2-2204	0102.6-2147	149.10-84.09	115	255		47	0.0604		0	4	15.9
0134	0100.5-0248	0103.0-0231	129.88-65.25	68	317		43	0.0699		0	4	16.0
0135	0100.8-2251	0103.2-2234	154.06-84.72	108	213	III:	100			0	6	17.7
0136	0101.4+2448	0104.1+2504	126.57-37.71	119	190	I	99	0.1569		2	6	17.5
0137	0101.8+2528	0104.5+2544	126.63-37.04	115	226	II-III	102			0	6	17.5
0138	0102.5+4250	0105.3+4306	125.64-19.70	201	192		146			3	0	17.5
0139	0102.6+3607	0105.4+3623	126.07-26.40	158	153		120			2	0	17.5
0140	0102.1-2414	0104.5-2357	166.69-85.67	93	139	II:	182	0.152		3	6	17.5
0141	0103.2-2452	0105.6-2435	175.32-85.93	80	105	III	140	0.230		3	6	17.7
0142	0103.6+0041	0106.2+0057	130.72-61.70	28	183	III:	95			0	6	18.0
0143	0104.0+2558	0106.7+2614	127.20-36.51	88	253	II-III	59			0	6	17.5
0144	0103.9-2108	0106.3-2051	152.25-82.87	68	305	II	63			0	6	17.9
0145	0104.2-0243	0106.7-0226	132.04-65.05	20	0	II	82			0	6	17.6
0146	0105.0-1131	0107.5-1114	137.08-73.68	325	172	I	70			0	6	17.6
0147	0105.6+0154	0108.2+0209	131.44-60.43	323	249	III	32	0.0438		0	3	15.0
0148	0105.5-1327	0108.0-1310	139.26-75.53	318	68	III	52			0	5	17.2
0149	0106.5+4320	0109.4+4335	126.38-19.15	162	219		98			2	0	17.5
0150	0106.6+1254	0109.2+1309	129.62-49.47	308	196	I-II	55	0.0596		1	5	16.6
0151	0106.4-1541	0108.9-1525	142.90-77.61	304	270	II:	72	0.0526		1	3	15.0
0152	0107.2+1343	0109.8+1358	129.71-48.65	300	240		46			0	0	17.2
0153	0107.1+0458	0109.7+0513	131.38-57.34	303	92	II:	108			0	6	17.6
0154	0108.3+1724	0111.0+1739	129.52-44.96	284	116	II	66	0.0658		1	3	15.6
0155	0107.9-2505	0110.3-2449	185.41-85.17	24	92	II-III:	51			0	6	17.5
0156	0109.0+3311	0111.8+3326	127.80-29.23	40	319		65			1	0	16.9
0157	0108.6-1440	0111.1-1424	143.70-76.47	277	3	II	61			0	5	16.9
0158	0109.1+1637	0111.8+1652	129.91-45.71	274	74		46	0.0645		0	4	15.9
0159	0109.5-1522	0112.0-1506	145.63-77.06	264	287	III	51			0	5	17.2
0160	0110.2+1515	0112.9+1530	130.52-47.04	260	322	III	34	0.0447		0	4	15.7
0161	0112.0+3709	0114.8+3724	128.07-25.22	57	210		41			0	0	16.4
0162	0111.6+0237	0114.2+0252	134.18-59.49	243	288	III	68			0	5	16.6
0163	0111.9+2428	0114.6+2443	129.61-37.84	309	174	III	88			0	6	17.5
0164	0111.8-0401	0114.3-0345	137.10-65.99	238	253	III	60			0	6	17.6
0165	0112.6+3220	0115.4+3235	128.76-30.00	296	276		37			0	0	17.5
0166	0112.1-1632	0114.6-1616	150.38-77.89	231	225	III:	76	0.1156		1	6	17.7
0167	0112.7+2413	0115.4+2428	129.88-38.07	300	160	III	78			0	6	17.5
0168	0112.6-0001	0115.2+0014	135.67-62.04	230	146	II-III:	89	0.0452		2	3	15.4
0169	0113.6+4051	0116.5+4106	128.00-21.51	89	86		63			1	0	16.7
0170	0113.5+1250	0116.1+1305	132.19-49.33	218	192		37			0	0	17.7
0171	0114.1+1600	0116.8+1615	131.73-46.18	210	40	I	42	0.0706		0	4	15.9
0172	0114.4+0259	0117.0+0314	135.39-59.01	205	307	II:	75			0	5	16.9
0173	0115.9+3844	0118.8+3859	128.73-23.57	314	297		74			1	0	17.4
0174	0117.0+3533	0119.8+3548	129.38-26.70	307	126		36			0	0	15.8
0175	0116.9+1437	0119.6+1452	133.01-47.44	173	287	III:	84	0.1287		2	5	17.0
0176	0117.1-0824	0119.6-0808	143.59-69.87	168	18	II-III:	56			0	6	17.6
0177	0117.6-2117	0120.0-2101	171.34-81.07	222	298	III	68			0	6	17.5
0178	0119.1+1949	0121.8+2004	132.58-42.22	146	245	II:	77			0	5	17.1
0179	0119.1+1913	0121.8+1928	132.71-42.82	146	213	III	31	0.0547		0	3	15.3
0180	0119.3+0245	0121.9+0300	137.81-58.98	139	295	I	33	0.135		0	5	17.0
0181	0119.4+0002	0122.0+0017	139.16-61.61	138	150	II-III:	74			0	5	17.2
0182	0119.7-0711	0122.2-0655	144.22-68.51	134	84		49			0	0	17.6
0183	0119.5-2210	0121.9-2154	177.57-81.33	198	251		39			0	0	16.5
0184	0120.0+1247	0122.7+1302	134.60-49.12	133	190	II-III:	78			0	6	17.8
0185	0120.0-2144	0122.4-2128	175.88-80.96	192	274	III	74			0	5	17.1
0186	0120.2-1041	0122.7-1025	148.20-71.74	126	218	II	56	0.1029		1	5	17.2
0187	0120.1-1929	0122.5-1913	166.65-79.35	128	67	III	111			0	6	17.5
0188	0120.3-1302	0122.8-1246	151.54-73.88	125	92	II-III:	57	0.1230		1	5	17.2
0189	0121.1+0123	0123.7+0138	139.32-60.20	115	222	III	50	0.0335		1	4	15.7
0190	0121.2-1007	0123.7-0951	148.23-71.13	112	248		33	0.0015		0	5	17.2
0191	0121.7+2039	0124.4+2054	133.21-41.30	114	290	III	89			0	6	17.5
0192	0121.7+0413	0124.3+0428	138.27-57.41	108	52	I:	90			0	6	17.6
0193	0122.5+0826	0125.1+0841	136.94-53.26	99	278	II	58	0.0482		1	4	16.0
0194	0123.0-0146	0125.6-0130	142.07-63.10	89	52	II	37	0.0178		0	1	13.9
0195	0124.2+1855	0126.9+1910	134.40-42.91	82	197	II	32	0.0422		0	3	15.3
0196	0124.5+2257	0127.2+2312	133.53-38.93	156	92	III	77			0	6	17.5
0197	0124.3-1822	0126.7-1806	166.81-77.86	74	127	III:	65			0	5	17.1
0198	0124.6-1642	0127.0-1626	162.41-76.50	69	216	III	110			0	6	17.8
0199	0124.7-1803	0127.1-1747	166.19-77.55	69	144		46			0	0	17.5
0200	0125.3+1457	0128.0+1512	135.86-46.74	65	306	III:	57			0	5	17.1

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0201	0125.4+1616	0128.1+1631	135.51-45.45	65	55			43		0	0	17.1
0202	0125.3+0701	0127.9+0716	138.64-54.48	61	202	II-III	111			0	6	17.8
0203	0125.7+0137	0128.3+0152	141.41-59.67	54	234	II-III:	71			0	5	17.0
0204	0126.1-0703	0128.6-0647	148.09-67.83	49	90	III		55	0.1557	1	6	17.5
0205	0126.4+0557	0129.0+0612	139.56-55.45	45	145	III:		77		0	6	17.6
0206	0126.1-2551	0128.5-2535	204.52-81.57	117	53			39		0	0	17.5
0207	0126.6-0245	0129.1-0229	144.66-63.76	41	0			41		0	0	17.2
0208	0129.0+0017	0131.6+0032	143.79-60.70	332	164			41		0	0	16.6
0209	0129.5-1350	0132.0-1334	159.88-73.47	318	49	II-III:	158		0.206	3	6	17.8
0210	0129.9-2614	0132.3-2558	208.05-80.80	72	32			34		0	0	17.5
0211	0130.3-0416	0132.8-0400	147.89-64.86	312	240	II:		83		0	5	17.2
0212	0131.7+0414	0134.3+0429	142.69-56.73	298	51			44		0	0	17.2
0213	0132.7+2022	0135.4+2037	136.64-41.08	279	276	III		50		0	6	17.7
0214	0132.0-2621	0134.3-2605	209.21-80.36	47	25	I		71		0	6	17.5
0215	0133.0-2342	0135.4-2326	195.00-79.41	32	167	III:		66		0	6	17.5
0216	0134.2-0640	0136.7-0624	152.42-66.66	260	112	II-III		70	0.1158	1	5	17.2
0217	0134.1-0818	0136.6-0802	154.29-68.12	260	24	II:		64	0.1126	1	5	17.0
0218	0134.1-1100	0136.6-1044	158.05-70.47	258	201	III		59		0	6	17.8
0219	0134.7+0854	0137.3+0909	141.56-52.05	258	301	III		62		0	5	17.2
0220	0134.7+0741	0137.3+0756	142.14-53.21	258	236	II		69		0	6	17.5
0221	0135.4+1753	0138.1+1808	138.26-43.34	245	142	III		71		0	6	17.7
0222	0135.0-1314	0137.5-1258	162.47-72.22	246	81	II-III:	155		0.211	3	6	17.6
0223	0135.5-1302	0138.0-1246	162.42-71.99	240	92	III		152	0.207	3	6	17.6
0224	0135.8-0712	0138.3-0656	153.93-66.95	239	83	III		75	0.1617	1	5	17.0
0225	0136.2+1838	0138.9+1853	138.26-42.57	234	182	II-III		51	0.0692	1	4	15.9
0226	0136.5-1030	0139.0-1014	158.76-69.74	227	228	II		75	0.1282	1	6	17.6
0227	0137.1+1756	0139.8+1811	138.78-43.19	223	145	II		79		0	6	17.7
0228	0136.7-1018	0139.2-1002	158.58-69.54	224	238			33	0.0289	0	6	17.6
0229	0136.9-0353	0139.4-0337	151.03-63.85	224	261	III		77		0	5	16.6
0230	0137.0-1137	0139.5-1121	160.85-70.61	220	168	III		104		0	6	17.6
0231	0137.8+2416	0140.6+2431	136.97-37.01	312	164			48		0	0	17.9
0232	0137.6-1037	0140.1-1021	159.60-69.69	212	221	III:		71	0.1874	1	6	17.6
0233	0137.8-0205	0140.3-0149	149.85-62.12	213	36	II-III		58		0	5	17.2
0234	0138.3+1840	0141.0+1855	138.90-42.41	209	184	II-III:	76		0.1731	1	6	17.9
0235	0137.8-1740	0140.2-1724	174.68-75.13	208	165	III:		74		0	6	17.5
0236	0138.0-1206	0140.5-1150	162.29-70.87	207	142	II-III:	58		0.1874	1	5	17.2
0237	0138.4+0001	0141.0+0016	148.44-60.13	206	149			34		0	0	16.6
0238	0138.5-2318	0140.9-2302	195.61-78.10	283	191	III		63		0	6	17.5
0239	0138.9-1202	0141.4-1146	162.72-70.69	196	146	III		80		0	6	17.6
0240	0139.3+0722	0141.9+0737	144.12-53.16	197	219	II-III		43	0.0618	0	3	15.6
0241	0139.2-1630	0141.6-1614	172.41-74.07	190	229	III		68		0	6	17.6
0242	0139.5-1434	0141.9-1418	168.03-72.60	187	10	I-II		52		0	6	18.0
0243	0140.0-1029	0142.5-1013	160.80-69.26	181	229			47	0.0117	0	5	16.6
0244	0141.5+1814	0144.2+1829	140.05-42.63	168	161	III		61		0	6	17.6
0245	0141.5+0608	0144.1+0623	145.68-54.15	168	153			40	0.0790	0	4	16.4
0246	0142.1+0533	0144.7+0548	146.27-54.64	159	122	II-III		56	0.0700	1	4	16.4
0247	0142.5+1723	0145.2+1738	140.69-43.38	154	116	III		57		0	5	16.9
0248	0142.3-0231	0144.8-0215	152.42-62.04	153	13	II-III:	79			0	6	17.6
0249	0144.0+1948	0146.7+2002	140.23-40.96	136	245	III		63		0	6	17.7
0250	0144.3+1926	0147.0+1940	140.46-41.29	132	226	III		53		0	6	17.7
0251	0143.9-0733	0146.4-0718	158.77-66.27	130	65			47		0	0	17.2
0252	0144.1-0257	0146.6-0242	153.70-62.23	127	311	III		64		0	6	17.8
0253	0145.1+2024	0147.8+2038	140.34-40.31	122	277	III		61		0	6	17.9
0254	0144.7-0332	0147.2-0317	154.56-62.68	119	280	III		96		0	6	17.6
0255	0144.8-0214	0147.3-0159	153.34-61.51	119	28	II-III:		70		0	5	17.2
0256	0145.1-0406	0147.6-0351	155.34-63.13	114	250	III		75		0	5	17.0
0257	0146.3+1344	0149.0+1358	143.48-46.58	104	242	II-III		51	0.0706	1	5	16.9
0258	0147.3+2313	0150.1+2327	139.95-37.46	197	107			44		0	0	17.7
0259	0147.8-1214	0150.3-1159	168.13-69.52	79	135			31	0.0273	0	5	17.2
0260	0149.0+3255	0151.9+3309	137.26-28.02	177	305	II		51	0.0348	1	4	15.8
0261	0148.9-0229	0151.4-0214	155.48-61.26	64	15	I		63	0.0467	1	5	17.2
0262	0149.9+3554	0152.8+3608	136.59-25.09	255	145	III		40	0.0161	0	1	13.3
0263	0150.4+3719	0153.4+3733	136.30-23.70	249	221			51		1	0	17.8
0264	0149.5-2601	0151.8-2546	210.61-76.43	148	45	II-III:		66		0	6	17.7
0265	0149.9-0716	0152.4-0701	161.45-65.23	50	80	III		98		0	6	17.6
0266	0150.1-0423	0152.6-0408	158.03-62.76	47	234			38		0	0	17.2
0267	0150.3+0048	0152.9+0102	153.09-58.18	46	191			37		0	0	16.6
0268	0150.8-0122	0153.4-0107	155.25-60.05	38	74			44		0	0	16.6
0269	0151.0-0434	0153.5-0419	158.66-62.80	35	224	II-III		58		0	5	17.2
0270	0151.3-0304	0153.8-0249	157.16-61.48	31	305	III		61		0	6	17.6
0271	0151.5+0131	0154.1+0145	153.00-57.41	30	230			32		0	0	16.6
0272	0152.4+3342	0155.3+3356	137.79-27.08	139	347	III		52	0.0877	1	5	16.8
0273	0151.8-2347	0154.1-2332	202.18-75.40	119	165	III:		58		0	6	17.7
0274	0152.2-0631	0154.7-0616	161.58-64.29	19	119	III		140	0.1289	3	4	16.3
0275	0153.1+1425	0155.8+1439	145.38-45.39	16	279	III		50		0	5	17.1
0276	0154.1+4107	0157.1+4121	135.98-19.84	291	104			39		0	0	16.3
0277	0153.3-0737	0155.8-0722	163.57-65.04	324	62	III		50	0.0947	1	3	15.6
0278	0154.4+3159	0157.3+3213	138.79-28.61	116	255	III		38	0.0896	0	3	15.6
0279	0153.8+0049	0156.4+0103	154.55-57.77	321	194	I-II		70	0.0797	1	5	17.2
0280	0154.0-0201	0156.5-0146	157.29-60.23	317	41			40		0	0	17.4
0281	0154.6-0605	0157.1-0550	162.15-63.59	308	144			47	0.088	0	5	17.0
0282	0154.5-1021	0157.0-1006	168.27-67.02	306	237			46		0	0	17.8
0283	0154.6-2217	0156.9-2202	197.63-74.28	84	245	III:		62		0	5	17.1
0284	0155.3-0053	0157.9-0038	156.73-59.08	300	102	III		67		0	6	17.5
0285	0155.4-0359	0157.9-0344	160.00-61.73	297	258	III		55		0	5	17.2
0286	0155.9-0201	0158.4-0146	158.11-59.99	292	42	II:		93		0	5	17.2
0287	0157.9-0806	0200.4-0751	166.40-64.74	263	37	III		35		0	5	17.2
0288	0159.0+1811	0201.7+1825	145.38-41.36	251	160			75		1	0	17.5
0289	0158.4-2452	0200.7-2437	207.69-74.23	39	106	II		50		0	6	17.5
0290	0159.4+2047	0202.2+2101	144.31-38.90	246	300			41		0	0	16.5
0291	0159.1-0225	0201.6-0210	159.89-59.91	249	20			36		0	0	17.8
0292	0159.7+1851	0202.5+1905	145.27-40.68	242	196			36		0	0	16.5
0293	0159.4+0332	0202.0+0346	154.50-54.71	245	340	II		87	0.1631	2	6	17.3
0294	0159.6+0510	0202.2+0524	153.31-53.24	244	106	I-II		56		0	6	17.6
0295	0159.9-0119	0202.5-0104	159.08-58.87	238	79	II:		51		0	5	16.6
0296	0159.9-0322	0202.4-0307	161.26-60.60	237	291	III		53		0	6	17.6
0297	0159.8-2549	0202.1-2534	211.33-74.11	24	55	III		80		0	6	17.5
0298	0200.3-0935	0202.8-0920	169.73-65.51	229	279	II-III:		54		0	5	17.2
0299	0202.2+0005	0204.8+0019	158.63-57.38	208	155	III		61		0	6	17.6
0300	0202.6+1737	0205.3+1751	146.72-41.58	206	130	III		61		0	6	17.7

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0301	0202.8-0220	0205.3-0205	161.33-59.34	200	24	III	54		0	6	18.0
0302	0203.2-2500	0205.5-2445	209.00-73.20	297	100	III	53		0	6	17.9
0303	0203.7-0333	0206.2-0318	163.06-60.22	186	281	II-III	50		0	5	16.6
0304	0203.9+0415	0206.5+0429	155.62-53.55	186	56		43		0	0	17.6
0305	0204.1-1509	0206.5-1454	181.75-68.69	178	302	III:	54		0	6	17.8
0306	0204.7-1202	0207.1-1147	175.82-66.54	171	147	II	55		0	6	17.8
0307	0205.4+1014	0208.1+1028	151.81-48.06	153	50	II-III:	55		0	6	17.5
0308	0205.5-0335	0208.0-0320	163.83-59.99	162	279		44		0	0	17.2
0309	0205.7+0246	0208.3+0300	157.53-54.62	161	298	II	53		0	6	17.8
0310	0205.9+0514	0208.5+0528	155.56-52.45	160	109	III	65		0	6	17.6
0311	0206.4+1929	0209.2+1943	146.89-39.51	157	229		41		0	0	16.5
0312	0207.0+0438	0209.6+0452	156.43-52.84	144	77	I-II	63		0	6	17.5
0313	0207.5+0240	0210.1+0254	158.28-54.48	137	293	III	67		0	6	17.6
0314	0207.2-1308	0209.6-1253	178.91-66.83	138	88	III	96		0	6	17.6
0315	0207.5-0114	0210.1-0059	162.03-57.77	136	83	III	93		0	6	17.5
0316	0207.5-1343	0209.9-1328	180.17-67.15	135	57		43		0	0	17.2
0317	0207.7-0846	0210.2-0831	171.65-63.68	133	1	III	55		0	6	17.6
0318	0210.0+2612	0212.9+2626	144.73-32.97	237	269	III	78		0	5	16.9
0319	0209.4-1220	0211.8-1205	178.30-65.90	109	132	I-II:	78		0	6	17.6
0320	0210.3+2509	0213.1+2523	145.27-33.92	234	213	III	65		0	6	17.7
0321	0209.1+0009	0211.7+0023	161.24-56.40	117	158	III	55		0	6	17.6
0322	0210.9+0716	0213.5+0730	155.73-50.07	93	219		41		0	0	17.6
0323	0211.1-0306	0213.6-0252	165.49-58.77	87	305	II-III	66		0	6	17.5
0324	0211.2-0146	0213.7-0132	164.03-57.68	87	55	III	58		0	6	17.5
0325	0210.7-2531	0213.0-2516	211.78-71.64	205	74	II-III	79		0	6	17.9
0326	0211.2-0721	0213.7-0707	170.98-62.05	86	77	II:	34		0	5	17.0
0327	0210.8-2621	0213.1-2606	214.41-71.75	203	29		49		0	0	17.9
0328	0211.4-0706	0213.9-0652	170.70-61.83	83	90		38		0	0	17.3
0329	0212.2-0446	0214.7-0432	167.92-59.92	73	216	II:	56		0	5	17.2
0330	0212.7+1006	0215.4+1019	154.28-47.37	56	44		43		0	0	17.2
0331	0212.9+1108	0215.6+1121	153.64-46.43	54	99	III	73		0	5	17.1
0332	0213.1-1350	0215.5-1336	182.55-66.16	62	51	II-III	65		0	6	17.6
0333	0213.9+1637	0216.6+1650	150.56-41.41	61	77	III	113		0	6	17.6
0334	0213.8-0426	0216.3-0412	168.12-59.41	51	233	III	57		0	6	17.5
0335	0213.7-1223	0216.1-1209	180.05-65.14	53	128	III:	55		0	6	17.6
0336	0214.1-0221	0216.6-0207	165.77-57.72	48	23		40		0	0	17.2
0337	0215.1+1717	0217.9+1730	150.52-40.68	46	113	III	76		0	6	17.6
0338	0215.1-1130	0217.5-1116	179.01-64.30	34	175	III	64		0	6	17.6
0339	0215.3-0920	0217.8-0906	175.52-62.79	31	292	III	54		0	6	17.8
0340	0216.0-1254	0218.4-1240	181.84-65.03	24	100		35		0	0	17.6
0341	0216.6-1702	0219.0-1648	190.44-67.28	324	201		30		0	0	17.8
0342	0217.2+0230	0219.8+0243	161.91-53.32	328	286	III	75		0	6	17.7
0343	0216.8-2205	0219.1-2151	202.90-69.40	130	257		48		0	0	17.7
0344	0218.9+2108	0221.7+2121	149.46-36.82	302	321	II-III	109		0	6	17.4
0345	0218.7+1322	0221.4+1335	153.95-43.79	308	226	III	51		0	6	17.5
0346	0219.6+2610	0222.5+2623	147.11-32.17	121	267	III	70		0	5	16.9
0347	0222.7+4139	0225.8+4152	141.17-17.63	306	136	II-III	32	0.0187	0	1	13.3
0348	0221.5-0849	0224.0-0835	176.99-61.33	268	0	II-III:	53	0.274	1	6	18.0
0349	0223.3+3636	0226.4+3649	143.31-22.26	199	184		58		1	0	17.3
0350	0222.6-1003	0225.0-0949	179.29-61.96	250	256	II-III:	62		0	6	17.5
0351	0222.9-0857	0225.4-0843	177.68-61.17	248	315		45		0	0	16.9
0352	0225.6-0224	0228.1-0210	169.92-55.96	216	23	III:	58		0	6	17.6
0353	0225.2-2217	0227.5-2203	205.12-67.62	27	246	II:	53		0	6	17.7
0354	0226.0+0112	0228.6+0125	166.15-53.10	211	216	II-III	51		0	6	17.6
0355	0225.8-1209	0228.2-1155	183.86-62.69	209	143		43		0	0	18.0
0356	0226.5+0415	0229.1+0428	163.39-50.57	206	58	III:	108		0	6	17.8
0357	0226.7+1301	0229.4+1314	156.53-43.15	203	206		35		0	0	16.8
0358	0227.8-1325	0230.2-1311	186.73-63.04	183	75		34	0.0576	0	3	15.6
0359	0228.3+0236	0230.9+0249	165.52-51.63	175	291	I-II	104		0	6	18.0
0360	0228.7+0646	0231.3+0659	161.89-48.18	176	193	I	107		0	6	17.8
0361	0228.9+0240	0231.5+0253	165.65-51.49	171	295		41		0	0	17.6
0362	0229.1-0505	0231.6-0451	174.38-57.36	167	200	II-III	77		0	6	17.7
0363	0230.1+0914	0232.8+0927	160.31-45.94	158	325	III	119		0	5	17.1
0364	0232.5+0828	0235.2+0841	161.63-46.25	126	284	II-III:	96		0	5	17.1
0365	0233.1-0138	0235.6-0124	171.51-54.15	115	63		34		0	0	17.4
0366	0233.2-0539	0235.7-0525	176.45-57.04	112	169	III	71		0	6	17.6
0367	0234.3-1936	0236.6-1922	200.75-64.69	98	64	III:	57		0	5	16.5
0368	0235.2-2643	0237.4-2630	217.51-66.39	222	11		44		0	0	17.5
0369	0237.2-0345	0239.7-0332	175.29-55.00	59	272	III	57		0	6	17.8
0370	0237.3-0148	0239.8-0135	173.01-53.57	59	55	II-III	40	0.373	0	6	17.8
0371	0238.7-1126	0241.1-1113	186.58-59.73	39	181	II:	68		0	5	17.0
0372	0240.4+4138	0243.6+4150	144.34-16.32	129	133		40		0	0	15.7
0373	0240.5+2747	0243.4+2759	151.14-28.67	186	34		57		1	0	17.7
0374	0240.9+0402	0243.5+0414	168.01-48.57	14	47	II:	87		0	6	17.8
0375	0241.9+2851	0244.9+2903	150.87-27.59	169	91		44		0	0	17.8
0376	0242.7+3639	0245.8+3651	147.08-20.59	293	190	I-II	36	0.0489	0	3	15.4
0377	0243.1+2736	0246.0+2748	151.81-28.56	154	346		75		1	0	17.7
0378	0242.5-0318	0245.0-0305	176.35-53.74	309	297	III	68		0	6	17.6
0379	0242.9+0312	0245.5+0324	169.40-48.90	305	325	III	58		0	6	17.6
0380	0242.2-2628	0244.4-2615	217.45-64.81	138	24	III	64		0	5	16.9
0381	0243.4-0051	0246.0-0038	173.77-51.83	298	107	III	83		0	6	17.6
0382	0244.5+0406	0247.1+0418	168.99-47.95	287	52	III	53		0	5	17.2
0383	0245.6-0342	0248.1-0329	177.74-53.46	267	276	II-III:	100		0	6	17.6
0384	0245.7-0229	0248.2-0216	176.31-52.60	268	19	II	75		0	6	18.0
0385	0245.4-2201	0247.7-2148	207.94-63.09	97	262		34		0	0	17.9
0386	0247.7-1722	0250.0-1709	199.14-60.88	232	187		41		0	0	17.2
0387	0249.5+2754	0252.5+2806	153.04-27.60	79	41		35		0	0	17.6
0388	0249.1-0358	0251.6-0345	179.06-53.00	221	262	III	86		0	6	17.6
0389	0249.1-2507	0251.3-2454	215.04-63.04	54	96	II	97	0.1160	2	4	15.9
0390	0250.4-1510	0252.8-1457	195.80-59.30	198	305		46		0	0	18.0
0391	0251.0-0242	0253.5-0229	178.06-51.79	197	8	II-III	67		0	6	17.6
0392	0251.7+0444	0254.3+0456	170.40-46.30	190	86		37		0	0	17.4
0393	0251.8+0343	0254.4+0355	171.40-47.05	189	31	II-III	67		0	5	17.1
0394	0251.5-1451	0253.9-1438	195.51-58.92	186	0	I	68		0	6	17.8
0395	0252.1-1035	0254.5-1022	188.85-56.55	178	229	II:	82		0	6	17.6
0396	0254.3+4124	0257.5+4136	146.86-15.34	292	125		37		0	0	16.6
0397	0254.2+1545	0257.0+1557	161.92-37.24	161	33	III	35	0.0325	0	3	15.1
0398	0253.8-1553	0256.1-1540	197.78-58.91	153	266	III	64		0	6	17.8
0399	0255.2+1249	0257.9+1300	164.38-39.47	146	197	I-II	57	0.0715	1	3	15.6
0400	0255.0+0550	0257.6+0601	170.25-44.93	146	144	II-III	58	0.0232	1	1	13.9

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0401	0256.2+1323	0258.9+1334	164.19-38.87	133	227	I	90	0.0748	2	3	15.6
0402	0255.4-2219	0257.6-2207	210.00-60.96	295	247		35		0	0	17.9
0403	0256.6+0318	0259.2+0329	173.10-46.55	121	330	II-III:	100	0.1033	2	6	17.5
0404	0257.9+4112	0301.2+4123	147.57-15.19	256	113		32		0	0	16.8
0405	0257.8+3733	0301.0+3744	149.44-18.37	131	237		53		1	0	17.5
0406	0256.5-1949	0258.8-1937	205.36-59.92	120	55		48		0	0	17.7
0407	0258.6+3538	0301.7+3549	150.61-19.95	121	135	II	46	0.0470	0	2	14.7
0408	0259.6+3213	0302.7+3224	152.68-22.77	265	275		66		1	0	17.4
0409	0300.7+0141	0303.3+0152	175.82-47.00	67	244	II-III	72		0	6	17.8
0410	0301.3+0336	0303.9+0347	174.04-45.53	60	347	II	70	0.0897	1	5	16.9
0411	0302.0+0049	0304.6+0100	177.07-47.38	50	198	II	59		0	6	17.6
0412	0303.7-0022	0306.3-0010	178.77-47.88	26	133		36		0	0	17.5
0413	0304.0+0204	0306.6+0215	176.27-46.15	23	264	III	55		0	6	17.5
0414	0303.7-1439	0306.1-1427	197.78-56.22	28	10		40		0	0	17.5
0415	0304.4-1214	0306.8-1202	194.20-54.90	17	139	II	67	0.0788	1	4	16.3
0416	0304.9-1655	0307.2-1643	201.71-56.96	319	212	III	52		0	6	17.7
0417	0305.2-1445	0307.6-1433	198.24-55.95	319	7		30		0	0	17.8
0418	0305.9-1355	0308.3-1343	197.08-55.41	310	51	III	50		0	6	17.8
0419	0306.3-2350	0308.5-2338	214.24-58.94	160	166		32	0.0406	0	4	15.7
0420	0306.9-1143	0309.3-1131	193.98-54.11	298	170	III	55		0	5	16.8
0421	0307.9+0937	0310.6+0948	170.14-39.98	292	350	III	52		0	5	17.1
0422	0307.9-1114	0310.3-1102	193.49-53.65	286	196	III	53		0	6	17.6
0423	0308.9-1218	0311.3-1206	195.26-53.98	272	139	III	89	0.0797	2	5	16.6
0424	0309.7-0250	0312.2-0238	183.04-48.38	268	4	III:	57		0	6	17.5
0425	0313.5-1155	0315.9-1143	195.64-52.82	211	159	II-III:	53		0	6	17.8
0426	0315.3+4120	0318.6+4130	150.39-13.38	81	120	II-III	88	0.0183	2	0	12.5
0427	0315.1+3416	0318.2+3426	154.42-19.30	249	64		66		1	0	17.7
0428	0313.7-1917	0316.0-1905	207.12-55.94	205	86	III	47		0	5	16.5
0429	0316.5+3638	0319.7+3648	153.27-17.18	232	190		108		2	0	17.7
0430	0319.2-1531	0321.5-1520	202.02-53.26	135	288		38		0	0	17.7
0431	0319.3-1644	0321.6-1633	203.89-53.74	134	223	III	66		0	6	17.4
0432	0321.6-0559	0324.1-0548	189.49-47.93	107	156	II	108		0	6	17.8
0433	0322.1-0658	0324.6-0647	190.81-48.39	101	103	II-III:	71		0	6	17.8
0434	0322.6-0938	0325.0-0927	194.33-49.73	92	282	III	59		0	6	17.6
0435	0323.5-0548	0326.0-0537	189.67-47.44	81	165	II-III	67		0	6	17.8
0436	0324.0+0859	0326.7+0909	174.43-37.74	79	316		42		0	0	17.1
0437	0324.3-0254	0326.8-0243	186.44-45.57	73	0		33		0	0	16.5
0438	0326.2-1001	0328.6-0950	195.54-49.17	45	261	I-II:	60		0	5	17.2
0439	0327.5+2437	0330.5+2447	162.96-25.47	246	191		35	0.0063	0	5	17.0
0440	0326.8-1047	0329.2-1036	196.67-49.42	36	220	III	61		0	5	17.2
0441	0328.1-0708	0330.6-0657	192.24-47.24	21	94	III	71		0	6	17.6
0442	0328.0-1305	0330.4-1254	200.02-50.27	22	96	III:	66		0	6	17.6
0443	0329.1-0625	0331.6-0614	191.57-46.64	327	135	III	60		0	6	17.9
0444	0332.8+0308	0335.4+0317	181.86-40.12	281	326		33		0	0	17.5
0445	0334.0-0302	0336.5-0252	188.62-43.70	262	316	II-III:	50		0	6	17.5
0446	0334.7-0235	0337.2-0225	188.26-43.30	255	19		38		0	0	17.5
0447	0335.5-0517	0338.0-0507	191.49-44.68	241	196	I	81		0	6	17.7
0448	0336.3-1117	0338.7-1107	199.05-47.63	227	196	III	80		0	6	17.6
0449	0343.5+7502	0349.6+7511	133.70 16.18	141	322		56	0.0803	1	4	16.2
0450	0338.7+2320	0341.7+2329	166.04-24.80	109	122		40	0.0607	0	4	16.4
0451	0339.6-0235	0342.1-0225	189.24-42.30	189	19		40		0	0	17.5
0452	0343.2+0132	0345.8+0141	185.60-39.12	141	240		48		0	0	17.9
0453	0342.5-2011	0344.7-2001	212.33-49.86	144	40	III:	86		0	6	17.9
0454	0342.9-1308	0345.2-1258	202.56-47.05	141	96	III:	74		0	6	17.5
0455	0343.9+0743	0346.6+0752	179.78-35.03	134	250	III	54		0	6	17.9
0456	0343.2-2053	0345.4-2043	213.44-49.93	136	2	III	50		0	6	17.5
0457	0343.4-2017	0345.6-2007	212.58-49.69	133	34	III	70		0	6	17.9
0458	0343.7-2426	0345.8-2416	218.84-50.80	20	135	I-II:	114	0.1050	2	5	17.2
0459	0343.9-2027	0346.1-2017	212.88-49.64	127	25	III	66		0	6	17.7
0460	0344.3-1351	0346.6-1341	203.73-47.06	122	59	III	70		0	6	17.5
0461	0345.8+2659	0348.8+2708	164.73-21.00	26	320		83		2	0	17.6
0462	0346.0-1749	0348.3-1739	209.37-48.27	100	167	III	97		0	6	17.5
0463	0347.0-2144	0349.2-2134	215.10-49.34	299	283		44		0	0	17.9
0464	0347.2-1758	0349.5-1748	209.74-48.06	84	159	II:	104		0	6	17.7
0465	0348.3+0609	0351.0+0617	182.10-35.22	76	167	II-III	63	0.0855	1	6	17.7
0466	0349.3+2505	0352.3+2513	166.72-21.88	301	221		56		1	0	17.5
0467	0348.1-2225	0350.3-2215	216.22-49.30	284	246		46		0	0	17.5
0468	0349.8+2116	0352.7+2124	169.66-24.59	67	333	I-II:	34	0.1325	0	6	17.4
0469	0349.8-2219	0352.0-2210	216.25-48.89	263	252	II-III:	97		0	6	17.9
0470	0352.7-0449	0355.2-0440	194.16-40.85	12	220		44		0	0	16.9
0471	0357.2-1347	0359.5-1338	205.55-44.20	266	64	II-III	57		0	6	17.6
0472	0401.4-1714	0403.7-1705	210.55-44.64	209	201	III:	96		0	6	17.5
0473	0402.2-1736	0404.5-1727	211.13-44.60	199	182		43		0	0	17.7
0474	0409.6-1649	0411.9-1641	211.03-42.66	155	223	III	52		0	5	17.1
0475	0406.5-0931	0408.9-0923	201.77-40.26	144	293	III	63		0	6	17.9
0476	0409.0-1120	0411.4-1112	204.26-40.54	112	195	II-III	61		0	6	17.6
0477	0409.6-0200	0412.1-0152	194.04-35.78	109	53	III	65		0	6	17.5
0478	0410.6+1021	0413.3+1028	182.42-28.30	102	73		104	0.09	2	6	17.4
0479	0411.8-0333	0414.3-0325	196.02-36.14	76	291		43		0	0	17.5
0480	0412.5+0052	0415.1+0059	191.62-33.59	70	208		40		0	6	17.6
0481	0413.1-1004	0415.5-0956	203.38-39.07	58	263		49		0	0	17.9
0482	0414.0-0215	0416.5-0207	195.02-34.98	50	39	II-III	55		0	6	17.5
0483	0413.7-1139	0416.1-1131	205.30-39.65	51	178	III	52		0	6	17.9
0484	0413.9-0747	0416.3-0739	200.93-37.82	49	64	III	50	0.0386	1	5	16.9
0485	0415.0+0441	0417.6+0448	188.35-30.88	39	90		37		0	0	17.7
0486	0420.0-0503	0422.5-0456	198.90-35.16	288	214	III	58		0	6	17.5
0487	0420.7-2422	0422.8-2415	221.89-42.64	202	145	II-III:	59		0	5	17.0
0488	0422.2-0523	0424.7-0516	199.58-34.85	258	196	III	52		0	6	17.6
0489	0423.9-0442	0426.4-0435	199.12-34.14	235	232	III	33		0	6	17.7
0490	0424.7-2049	0426.9-2042	217.72-40.71	216	11		48		0	0	17.0
0491	0427.0-0509	0429.5-0502	200.06-33.70	194	209	III	56		0	6	17.7
0492	0433.3+7625	0440.2+7630	134.93 19.33	228	80		62		1	0	17.7
0493	0434.8+7342	0440.9+7347	137.22 17.70	204	255		80		2	0	17.0
0494	0428.4-0751	0430.8-0744	203.12-34.69	176	64	III	115		0	6	17.3
0495	0427.9-2628	0430.0-2621	225.19-41.61	115	32		49		0	0	17.0
0496	0431.3-1321	0433.6-1314	209.58-36.48	135	90	I:	50	0.0320	1	3	15.3
0497	0434.1+1032	0436.9+1038	186.18-23.61	108	85		47		0	0	17.0
0498	0434.8+2106	0437.8+2111	177.40-16.98	106	330		55		1	0	16.7
0499	0435.0-2031	0437.2-2025	218.37-38.33	87	27		41		0	0	17.8
0500	0436.8-2212	0438.9-2206	220.57-38.48	3	259	III	53	0.0066	1	4	15.8

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0501	0439.3+0818	0442.0+0823	188.98	-23.87	36	287		68		1	0	17.4
0502	0445.0+6942	0450.4+6947	141.01	15.84	164	41		46		0	0	16.8
0503	0439.2-1717	0441.4-1711	215.00	-36.27	31	200	III	64		0	6	17.7
0504	0440.5+0643	0443.2+0648	190.60	-24.52	20	202		75		1	0	17.4
0505	0451.6+7956	0500.2+8000	132.48	22.15	171	271	I	39	0.0543	0	3	15.2
0506	0440.9-0948	0443.3-0942	206.90	-32.84	324	282	III	88	0.1561	2	6	17.5
0507	0441.0-1834	0443.2-1828	216.67	-36.34	314	133	II-III	53		0	6	17.4
0508	0443.3+0155	0445.9+0200	195.47	-26.57	300	269	III	85	0.1479	2	6	17.4
0509	0445.1+0212	0447.7+0217	195.47	-26.04	276	284	III:	72	0.0836	1	6	17.4
0510	0444.6-2106	0446.8-2100	219.99	-36.41	267	0	I	61		0	6	17.6
0511	0444.6-2530	0446.7-2524	225.25	-37.74	227	86		48		0	0	17.0
0512	0445.3-1822	0447.5-1816	216.89	-35.31	260	145	III	52		0	5	17.0
0513	0445.8-0948	0448.2-0942	207.54	-31.76	259	283	II-III	32	0.1491	0	6	17.5
0514	0445.5-2031	0447.7-2025	219.39	-36.01	256	30	II-III:	78	0.0731	1	3	15.2
0515	0446.9+0605	0449.6+0610	192.14	-23.55	255	171	III	67		0	5	16.8
0516	0447.7-0854	0450.1-0848	206.84	-30.93	237	9	II:	61	0.1407	1	6	17.5
0517	0448.1-0919	0450.5-0913	207.32	-31.03	229	309	III	90	0.2244	2	6	17.6
0518	0449.0-1048	0451.4-1042	209.00	-31.49	217	230	III	86	0.1804	2	6	17.5
0519	0451.2+0036	0453.8+0040	197.87	-25.57	195	199		48		0	0	17.0
0520	0451.7+0252	0454.3+0256	195.81	-24.28	188	320	III	186	0.203	3	6	17.4
0521	0451.8-1020	0454.2-1015	208.85	-30.66	180	255	III	63		0	6	17.6
0522	0454.6-0613	0457.0-0608	205.00	-28.19	146	153	III	66		0	5	17.0
0523	0456.3+0842	0459.0+0846	191.18	-20.17	130	311		124		2	0	16.7
0524	0455.6-1947	0457.8-1942	219.54	-33.54	129	69	III	74		0	5	16.7
0525	0456.8+0804	0459.5+0808	191.81	-20.41	122	278		40		0	0	17.2
0526	0457.2+0522	0459.9+0526	194.30	-21.79	118	133		71	0.0541	1	4	16.4
0527	0504.0+7338	0510.3+7341	138.54	19.32	94	255		34	0.0794	0	4	15.7
0528	0456.9-0905	0459.3-0900	208.20	-28.98	115	0		40	0.0896	0	6	17.5
0529	0458.0+0606	0500.7+0610	193.75	-21.23	107	172		89		2	0	17.0
0530	0458.0-0056	0500.5-0051	200.28	-24.89	103	116		86		2	0	18.2
0531	0458.8-0337	0501.3-0332	202.98	-26.03	89	293	III	53		0	5	17.0
0532	0500.4+1153	0503.2+1157	188.97	-17.56	79	160		49		0	0	17.5
0533	0459.4-2241	0501.5-2236	223.18	-33.67	45	236		31	0.0472	0	4	15.8
0534	0509.1+7327	0515.3+7330	138.91	19.53	73	247		68		1	0	17.0
0535	0505.0-0239	0507.5-0235	202.87	-24.21	331	26	III	56		0	6	17.4
0536	0505.4-0918	0507.8-0914	209.47	-27.20	317	313	III:	97		0	5	17.0
0537	0518.3+7350	0524.7+7352	138.90	20.29	296	280		104		2	0	17.5
0538	0513.0-1545	0515.3-1541	216.97	-28.19	213	289	III	60		0	6	17.4
0539	0513.9+0624	0516.6+0627	195.70	-17.72	214	191	III	50	0.0267	1	2	14.4
0540	0523.5-2544	0525.5-2541	228.62	-29.43	71	75	II-III:	55		0	6	17.6
0541	0529.2+6422	0534.1+6424	148.10	16.49	128	83		110		2	0	17.5
0542	0533.1+6400	0537.9+6401	148.65	16.68	105	63		70		1	0	17.5
0543	0528.5-2227	0530.6-2224	225.53	-27.26	6	251	II	78		1	5	16.9
0544	0528.9-2559	0530.9-2556	229.33	-28.35	319	64	III	89		0	6	17.5
0545	0530.0-1134	0532.3-1131	214.60	-22.72	308	194	III	234	0.154	4	5	17.0
0546	0537.4+6626	0542.5+6627	146.62	18.22	88	195		68		1	0	17.3
0547	0535.1-1427	0537.4-1425	218.01	-22.79	241	40		89		2	0	17.0
0548	0545.0-2538	0547.0-2536	230.29	-24.82	124	84	III	79	0.041	1	1	13.7
0549	0551.6+6541	0556.6+6541	147.99	19.19	293	165		36		0	0	17.3
0550	0550.5-2105	0552.6-2104	226.16	-22.01	42	5		103		2	0	16.7
0551	0552.7-1745	0554.9-1744	223.08	-20.24	319	186		62		1	0	17.5
0552	0602.3+7619	0609.4+7618	137.68	23.87	238	90		57		1	0	17.8
0553	0608.8+4837	0612.6+4836	165.16	14.06	282	212	II	30	0.0670	0	3	15.3
0554	0613.5+6727	0618.7+6725	147.10	21.87	173	254		42		0	0	17.0
0555	0615.0-1714	0617.2-1715	224.85	-15.17	33	214		57		1	0	17.4
0556	0623.4+6704	0628.6+6702	147.82	22.66	121	234		47		0	0	16.7
0557	0624.8+6915	0630.3+6912	145.58	23.40	335	47		34		0	0	17.0
0558	0632.5+7338	0638.8+7335	141.08	25.06	272	276	III	103		0	5	17.0
0559	0634.6+6944	0640.1+6941	145.31	24.36	286	67		33	0.0757	0	4	15.8
0560	0637.7+6755	0643.0+6752	147.32	24.20	51	285		69		1	0	17.6
0561	0638.5+6904	0643.9+6901	146.11	24.54	53	346		33		0	0	17.0
0562	0646.5+6920	0651.9+6916	145.98	25.29	232	41	II-III	70	0.110	1	5	17.0
0563	0652.5+6905	0657.9+6901	146.36	25.77	234	349	III	84		0	5	17.0
0564	0655.2+6953	0700.7+6948	145.52	26.13	190	69	III	56	0.0779	1	4	16.2
0565	0701.6+7150	0707.4+7145	143.44	26.90	162	174	III	59		0	5	16.5
0566	0659.8+6322	0704.5+6317	152.74	25.48	206	41	II-III	127	0.0984	2	4	16.4
0567	0658.3+3254	0701.6+3249	183.93	16.27	214	338		60		1	0	16.9
0568	0704.3+3507	0707.6+3502	182.26	18.25	194	135	II-III:	36	0.0751	0	3	15.4
0569	0705.4+4842	0709.2+4837	168.58	22.81	81	221	II:	36	0.0196	0	1	13.8
0570	0712.8+7034	0718.3+7028	144.95	27.68	114	120	III	101		0	6	18.0
0571	0713.1+7158	0718.9+7152	143.38	27.80	114	183	II:	84		0	6	17.6
0572	0710.1+5445	0714.2+5439	162.37	25.02	137	223	II	37		0	5	17.0
0573	0712.3+6737	0717.4+6731	148.26	27.38	137	270	III	50		0	6	17.6
0574	0714.4+7103	0720.0+7057	144.42	27.85	106	134	III:	102		0	6	17.4
0575	0722.3+7917	0730.3+7910	135.08	28.43	250	262		45		0	0	17.0
0576	0717.3+5550	0721.4+5544	161.42	26.24	84	282	III	61	0.0381	1	2	14.4
0577	0725.3+7902	0733.2+7855	135.36	28.58	244	248	III:	125		0	6	17.5
0578	0720.0+6705	0725.0+6659	148.94	28.07	96	243		44		0	0	17.0
0579	0718.0+3650	0721.3+3644	181.55	21.44	47	229	III	121		0	6	17.6
0580	0722.4+4131	0725.9+4125	177.00	23.68	314	163	II-III:	60		0	5	16.8
0581	0722.9+1112	0725.7+1105	206.78	12.58	99	141		64		1	0	17.3
0582	0724.7+4204	0728.2+4157	176.55	24.24	290	192	III	34		0	4	16.4
0583	0725.3+4308	0728.8+4301	175.45	24.63	282	249	II-III:	106		0	6	17.6
0584	0725.5+2647	0728.6+2640	192.20	19.46	199	335		51		1	0	17.3
0585	0727.5+4057	0731.0+4050	177.89	24.44	264	131	II	35		0	5	17.0
0586	0729.1+3144	0732.3+3137	187.54	21.93	159	278	I	190	0.171	3	6	17.4
0587	0729.6+3933	0733.0+3926	179.49	24.44	244	55		59		1	0	16.6
0588	0733.6+7004	0739.0+6957	145.59	29.42	322	95	III	78	0.160	1	5	17.1
0589	0736.7+6336	0741.3+6329	153.03	29.59	293	64	II-III:	53		0	5	17.1
0590	0734.2+3523	0737.5+3516	184.15	24.10	173	153		65		1	0	17.8
0591	0738.5+4405	0742.0+4357	175.08	27.18	153	297	III:	50		0	5	16.8
0592	0739.9+0929	0742.6+0921	210.25	15.59	190	52	III	53	0.0624	1	3	15.0
0593	0746.2+7257	0752.0+7249	142.22	30.28	252	244	III	154	0.226	3	6	17.4
0594	0742.0+1111	0744.8+1103	208.89	16.79	162	143		50		1	0	17.5
0595	0745.0+5212	0748.8+5204	166.21	29.69	159	90	III	45	0.0666	0	3	15.6
0596	0751.0+7245	0756.7+7237	142.41	30.65	233	232	III	95		0	5	17.2
0597	0748.7+3529	0752.0+3521	184.98	26.96	319	164		54		1	0	17.0
0598	0748.0+1747	0750.9+1739	203.18	20.84	89	176		70		1	0	17.4
0599	0752.4+6859	0757.5+6850	146.77	31.10	194	348	III	66		0	5	17.2
0600	0751.8+6353	0756.4+6345	152.73	31.26	203	75	II-III:	33		0	5	16.5

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0601	0750.2+3427	0753.4+3419	186.19	26.97	305	108		57		1	0	17.6
0602	0750.2+2929	0753.3+2921	191.48	25.49	215	160	III	32		0	4	15.8
0603	0752.6+3353	0755.8+3345	186.96	27.29	278	76	II:	54		0	5	16.8
0604	0754.9+6130	0759.2+6121	155.52	31.64	280	274		38		0	0	17.1
0605	0753.2+2732	0756.3+2723	193.76	25.49	180	55		39		0	0	16.7
0606	0753.8+3605	0757.1+3556	184.64	28.11	262	194		60		1	0	17.7
0607	0754.1+3928	0757.5+3919	180.91	28.99	300	56		49		0	0	16.9
0608	0757.7+6354	0802.2+6345	152.69	31.91	168	76	II-III:	57		0	5	17.1
0609	0757.8+6340	0802.3+6331	152.96	31.93	167	63	II-III	63		0	5	17.1
0610	0756.2+2715	0759.3+2706	194.30	26.03	145	41		46		0	0	16.4
0611	0757.7+3613	0801.0+3604	184.71	28.91	220	201		56		1	0	17.9
0612	0757.8+3457	0801.0+3448	186.12	28.61	220	133	II-III	50		0	5	16.5
0613	0759.0+4517	0802.5+4508	174.52	30.99	208	43	III	71		0	6	17.5
0614	0758.2+1806	0801.1+1757	203.88	23.20	265	195	III	44		0	5	17.0
0615	0759.6+3152	0802.8+3143	189.61	28.14	107	288		59		1	0	17.7
0616	0800.7+4657	0804.3+4648	172.64	31.52	192	132	II	65		0	5	17.1
0617	0807.4+7728	0814.2+7718	136.79	30.92	132	160	II-III:	84		0	6	17.7
0618	0804.1+6742	0809.0+6733	148.16	32.29	136	279	II-III:	76		0	6	17.3
0619	0800.1-0204	0802.6-0212	223.28	14.73	235	77		52		1	0	16.8
0620	0802.2+4550	0805.7+4541	173.98	31.62	179	72	III	83		0	6	17.4
0621	0806.1+7010	0811.3+7001	145.24	32.16	174	91	III	97		0	6	17.3
0622	0803.8+4810	0807.4+4801	171.30	32.19	164	197	II-III	57		0	6	17.4
0623	0803.1-0048	0805.6-0056	222.50	16.00	195	144		57	0.0871	1	5	16.9
0624	0811.2+7701	0817.8+7651	137.25	31.23	119	137	III	74		0	6	17.8
0625	0818.8+8232	0828.2+8222	130.98	30.02	126	113	III	107		0	5	16.7
0626	0807.0+4921	0810.7+4912	169.96	32.83	136	261	II-III:	53		0	5	17.1
0627	0806.1+3452	0809.3+3443	186.70	30.23	128	128	III	54		0	6	17.4
0628	0806.9+3522	0810.1+3513	186.18	30.51	121	155	II-III:	43		0	4	15.9
0629	0810.3+6635	0815.0+6625	149.39	33.01	101	221	III	78	0.138	1	5	17.1
0630	0807.7+4028	0811.1+4019	180.40	31.74	159	107	III	35		0	5	16.9
0631	0808.0+3607	0811.2+3558	185.40	30.90	109	195		38		0	0	17.1
0632	0807.0+0504	0809.6+0455	217.55	19.62	147	140		62		1	0	17.2
0633	0811.0+6354	0815.5+6344	152.57	33.37	90	78	III:	91		0	5	17.1
0634	0810.5+5812	0814.6+5802	159.40	33.64	182	94	III	40	0.0267	0	3	14.9
0635	0808.3+1652	0811.1+1643	206.15	24.94	135	129	III	35		0	5	17.0
0636	0815.2+7254	0820.7+7244	141.91	32.39	137	239		43		0	0	16.8
0637	0811.4+4832	0815.0+4822	171.01	33.48	96	218		40		0	0	17.5
0638	0810.3+1335	0813.1+1325	209.67	24.07	106	274		48		0	0	17.0
0639	0815.1+6804	0819.9+6754	147.56	33.27	81	302	III	135	0.291	3	6	17.7
0640	0814.3+2952	0817.4+2942	192.82	30.61	240	190	III	53		0	6	17.5
0641	0811.7+2247	0814.7+2237	200.33	27.85	270	125		35		0	0	17.5
0642	0816.0+3012	0819.1+3002	192.57	31.05	225	195	III	91		0	6	17.7
0643	0815.8+5239	0819.6+5229	166.10	34.40	216	119		30		0	0	17.1
0644	0815.0-0726	0817.4-0735	230.01	15.25	34	111	III:	42	0.0704	0	4	16.2
0645	0818.6+5644	0822.5+5634	161.14	34.78	191	337	III	50		0	6	17.7
0646	0818.6+4716	0822.1+4706	172.65	34.58	29	153	III	48	0.1303	0	5	16.8
0647	0817.7+0742	0820.4+0732	216.32	23.19	322	283		74		1	0	17.8
0648	0819.1+3242	0822.2+3232	189.92	32.33	180	335	III:	56		0	6	17.7
0649	0820.6+4902	0824.2+4852	170.53	35.03	313	251	II	40		0	6	17.3
0650	0819.6+1844	0822.5+1834	205.36	28.14	297	231		31		0	0	17.5
0651	0819.5+1616	0822.3+1606	207.93	27.18	299	99		42		0	0	17.6
0652	0821.8+5612	0825.7+5602	161.77	35.24	168	308		39	0.0938	0	6	17.5
0653	0819.2+0123	0821.8+0113	222.54	20.58	301	265		52		1	0	17.0
0654	0820.9+3905	0824.2+3855	182.55	34.00	22	36	III	55		0	5	17.1
0655	0821.8+4717	0825.3+4707	172.68	35.13	307	158	I-II	142	0.1245	3	5	17.1
0656	0821.9+4826	0825.5+4816	171.28	35.21	303	219	III	54		0	6	17.5
0657	0820.5+1607	0823.3+1557	208.19	27.34	287	91	III	96		0	6	17.4
0658	0821.0+1550	0823.8+1540	208.54	27.34	280	76	III	50		0	5	17.0
0659	0821.2+1934	0824.1+1924	204.64	28.79	275	277		53		1	0	16.8
0660	0822.1+3700	0825.3+3650	185.07	33.86	258	247	III	57		0	6	17.7
0661	0823.5+5318	0827.3+5308	165.31	35.56	153	154	III	74		0	6	17.4
0662	0822.1+0839	0824.8+0829	215.92	24.58	263	334		35		0	0	17.4
0663	0823.3+3459	0826.5+3449	187.51	33.70	247	138		44		0	0	17.7
0664	0822.2+0436	0824.8+0426	219.87	22.76	263	117		81		2	0	17.4
0665	0826.2+6603	0830.8+6552	149.74	34.67	292	202	III:	321	0.1816	5	6	17.5
0666	0823.9+3829	0827.2+3819	183.38	34.47	236	326		43		0	0	17.9
0667	0824.6+4453	0828.1+4443	175.66	35.42	283	349		41		0	0	17.5
0668	0824.5+3456	0827.7+3446	187.63	33.93	234	135	III	57		0	6	17.5
0669	0826.3+5629	0830.2+5618	161.38	35.85	134	324	II	60		0	6	17.9
0670	0828.0+6703	0832.6+6652	148.51	34.66	278	254	III	106		0	6	17.5
0671	0825.4+3035	0828.5+3025	192.76	33.11	108	222	II-III:	38	0.0494	0	3	14.9
0672	0825.8+3239	0828.9+3228	190.38	33.69	105	333		37		0	0	17.4
0673	0825.5+1520	0828.3+1510	209.54	28.14	222	49		37		0	0	17.1
0674	0827.3+1836	0830.2+1825	206.27	29.78	198	224		30		0	0	17.7
0675	0828.3+3835	0831.6+3824	183.43	35.34	190	330		32		0	0	17.7
0676	0828.4+3720	0831.6+3709	184.94	35.15	190	263		36		0	0	17.7
0677	0829.1+3557	0832.3+3546	186.64	35.04	183	189	I-II	60		0	6	17.9
0678	0830.7+5053	0834.3+5042	168.29	36.69	223	348	III	55		0	5	17.1
0679	0830.9+3608	0834.1+3557	186.50	35.43	163	199		40		0	0	17.9
0680	0832.1+3702	0835.3+3651	185.46	35.83	150	247	III	61	0.079	1	6	17.7
0681	0832.8+4401	0836.2+4350	176.88	36.81	206	301	II	34		0	5	17.1
0682	0834.3+5201	0838.0+5150	166.86	37.23	64	87		39		0	0	17.1
0683	0833.5+3124	0836.6+3113	192.31	34.99	312	270	III	41		0	5	17.1
0684	0838.1+7259	0843.4+7248	141.29	33.99	48	250	III	112		0	5	17.1
0685	0834.2+4425	0837.6+4414	176.40	37.09	192	322		44		0	0	17.1
0686	0841.5+7754	0847.9+7743	135.67	32.53	288	201	III	97		0	6	17.7
0687	0835.7+4219	0839.0+4208	179.05	37.20	178	209	II-III:	55		0	6	17.7
0688	0834.7+1602	0837.5+1551	209.79	30.45	103	86	II-III	50	0.0421	1	6	17.5
0689	0834.7+1510	0837.5+1459	210.71	30.12	103	40		44		0	0	17.1
0690	0836.2+2901	0839.2+2850	195.30	34.98	284	141	I	52	0.0788	1	5	16.9
0691	0837.8+4213	0841.1+4202	179.22	37.57	158	204		34		0	0	17.1
0692	0837.9+2655	0840.9+2644	197.89	34.78	263	350	III	38		0	4	16.2
0693	0837.1+0115	0839.7+0104	225.03	24.42	61	258		46		0	0	17.4
0694	0838.1+3214	0841.2+3203	191.57	36.13	250	313		37		0	0	17.5
0695	0838.3+3228	0841.4+3217	191.30	36.22	256	326	III	63	0.0687	1	5	17.1
0696	0838.8+1621	0841.6+1610	209.89	31.48	52	103	III	51		0	6	17.4
0697	0839.7+3631	0842.9+3620	186.40	37.25	68	221	II-III	53		0	6	17.9
0698	0840.1+4143	0843.4+4132	179.90	37.96	134	178	III	73		0	6	17.9
0699	0841.6+2758	0844.6+2747	196.92	35.86	221	85	III	50		0	5	16.5
0700	0842.8+3708	0846.0+3657	185.75	37.95	36	255	III:	30		0	7	18.3

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0701	0844.4+3819	0847.6+3807	184.31	38.42	314	321	III	34		0	6	17.7
0702	0844.0+2510	0847.0+2458	200.42	35.61	190	256	II-III:	59		0	5	17.1
0703	0843.5+0519	0846.1+0507	221.93	27.78	299	157		68		1	0	17.8
0704	0852.4+7930	0859.2+7918	133.68	32.38	246	282		32		0	0	17.5
0705	0844.6+3011	0847.6+2959	194.45	37.03	185	203	II-III	33		0	5	17.1
0706	0845.3+2855	0848.3+2843	196.03	36.88	178	135	III	69		0	6	17.5
0707	0853.8+8005	0900.9+7953	133.03	32.18	239	313		42		0	0	17.5
0708	0845.8+3743	0849.0+3731	185.11	38.62	300	288	III	54		0	6	17.9
0709	0847.4+1256	0850.2+1244	214.55	32.03	247	244		44		0	0	17.5
0710	0849.0+3645	0852.2+3633	186.45	39.13	268	236		41		0	0	17.9
0711	0847.8+0030	0850.4+0018	227.24	26.35	240	219	III	57		0	6	17.3
0712	0849.1+2549	0852.1+2537	200.05	36.89	129	291	II:	50		0	6	17.7
0713	0849.8+1824	0852.6+1812	208.78	34.68	217	216	III:	47		0	5	16.8
0714	0851.5+4206	0854.8+4154	179.59	40.10	318	204	III:	67		0	5	16.8
0715	0851.6+3535	0854.7+3523	188.04	39.48	241	173	II-III:	69		0	6	17.9
0716	0852.5+4839	0856.0+4827	171.01	40.28	32	231		46		0	0	17.1
0717	0903.8+8304	0912.5+8251	129.74	31.08	280	166		41		0	0	16.7
0718	0900.1+7925	0906.8+7913	133.59	32.73	228	275		43		0	0	17.1
0719	0859.4+7812	0905.7+7800	134.90	33.25	237	211	III	87		0	6	17.6
0720	0852.3+1549	0855.1+1537	211.96	34.27	185	77	I-II	60		0	6	17.7
0721	0855.5+6129	0859.5+6117	154.45	38.80	171	274		36		0	0	17.7
0722	0854.3+3057	0857.3+3045	194.07	39.24	74	245	II-III	36		0	5	16.9
0723	0904.1+8140	0911.8+8127	131.16	31.79	301	95	III	53		0	5	17.1
0724	0855.1+3846	0858.3+3834	184.02	40.55	201	342	II-III	61		0	5	16.7
0725	0857.1+6248	0901.2+6236	152.76	38.65	162	344		36		0	0	17.4
0726	0855.3+3119	0858.3+3107	193.66	39.52	63	265	III	35		0	5	16.7
0727	0855.9+3937	0859.1+3925	182.92	40.77	277	68	III:	65		0	5	16.7
0728	0854.9+1010	0857.6+0958	218.44	32.51	149	95		44		0	0	17.5
0729	0857.3+5827	0901.1+5815	158.20	39.71	159	111	III	55		0	5	17.1
0730	0856.8+5132	0900.4+5120	167.16	40.74	189	62	III	78		0	6	17.5
0731	0854.9−0329	0857.4−0340	232.05	25.77	145	5		35		0	0	17.6
0732	0855.3+0322	0857.9+0310	225.50	29.41	142	52	II-III:	65	0.2030	1	6	17.7
0733	0857.6+5549	0901.3+5537	161.56	40.25	181	292	I:	64	0.1159	1	6	17.7
0734	0857.8+1628	0900.6+1616	211.84	35.74	114	111	I	71		0	6	17.7
0735	0900.4+6157	0904.4+6145	153.68	39.24	141	299		44		0	0	17.5
0736	0859.6+5224	0903.2+5212	165.96	41.06	166	109	III	95		0	6	17.5
0737	0906.7+8007	0913.5+7954	132.69	32.65	209	312		38		0	0	16.9
0738	0906.2+7814	0912.4+7801	134.67	33.54	218	211	II-III	86		0	6	17.5
0739	0901.1+4726	0904.5+4714	172.52	41.78	256	166	II-III	66		0	6	17.5
0740	0902.3+4231	0905.6+4218	179.12	42.11	209	223	II-III	49		0	5	17.1
0741	0903.3+3730	0906.5+3717	185.89	42.04	115	275	III	50		0	6	17.8
0742	0906.3+6030	0910.2+6017	155.24	40.32	100	222	III	58		0	6	17.7
0743	0904.0+1029	0906.7+1016	219.28	34.66	29	113	III:	53		0	6	17.5
0744	0904.5+1652	0907.3+1639	212.13	37.38	28	134	II	42	0.0729	0	5	16.6
0745	0904.2+0459	0906.8+0446	225.14	32.14	23	140		35		0	0	17.4
0746	0906.1+5145	0909.6+5132	166.63	42.14	112	74	III	77		0	6	17.7
0747	0907.0+6120	0910.9+6107	154.16	40.17	98	267	II	50		0	6	17.5
0748	0910.9+7559	0916.4+7546	136.91	34.84	211	89	II:	84		0	6	17.4
0749	0906.0+0711	0908.7+0658	223.10	33.59	319	260		44		0	0	17.7
0750	0906.4+1114	0909.1+1101	218.77	35.52	314	155	III	142	0.162	3	5	17.1
0751	0919.5+8338	0928.2+8325	128.90	31.16	248	190		42		0	0	17.8
0752	0907.3+3539	0910.4+3526	188.49	42.66	70	176	III	55		0	6	17.8
0753	0906.1−0641	0908.6−0653	236.73	26.30	313	158		37		0	0	17.3
0754	0906.4−0926	0908.8−0938	239.26	24.76	308	10	I-II:	92	0.0528	2	3	15.2
0755	0909.1+4910	0912.5+4857	170.02	42.95	184	258		39		0	0	17.1
0756	0909.0+4841	0912.4+4828	170.68	42.99	184	232	III	55		0	6	17.5
0757	0909.4+4755	0912.8+4742	171.72	43.13	181	191	III	32	0.0515	0	3	15.6
0758	0909.3+4245	0912.6+4232	178.81	43.39	141	236	III	52		0	6	17.9
0759	0909.6+4206	0912.8+4153	179.70	43.45	138	201		31		0	0	17.5
0760	0908.1−0516	0910.6−0528	235.75	27.52	286	235		63		1	0	17.6
0761	0908.3−1023	0910.7−1035	240.41	24.57	281	282		50		1	0	17.0
0762	0913.9+7430	0919.1+7417	138.40	35.71	169	330		32	0.0332	0	4	16.2
0763	0909.7+1612	0912.5+1559	213.51	38.28	270	100	II-III	50		0	5	16.5
0764	0913.1+6402	0917.2+6349	150.53	39.97	27	95	II-III	82		0	6	17.4
0765	0915.6+7402	0920.7+7349	138.84	36.03	163	305	III:	96		0	5	16.9
0766	0910.6−0431	0913.1−0443	235.45	28.45	254	275		48		0	0	17.1
0767	0922.4+8238	0930.2+8224	129.80	31.81	236	136	III	79		0	5	17.1
0768	0919.4+7936	0925.8+7923	132.87	33.40	180	283	III	59		0	6	17.7
0769	0911.7+0331	0914.3+0318	227.75	33.03	244	63	III	50		0	5	16.5
0770	0914.2+6038	0918.1+6025	154.70	41.21	49	233		38		0	0	17.7
0771	0914.7+6123	0918.6+6110	153.73	41.03	49	273	III	65		0	6	17.7
0772	0913.4+3650	0916.5+3637	187.02	43.99	305	243	III	55		0	6	17.7
0773	0914.5+5155	0918.0+5142	166.12	43.39	43	86	II-III:	108		0	6	17.5
0774	0913.0+0544	0915.6+0531	225.64	34.42	226	182		48		0	0	16.9
0775	0913.7+0605	0916.3+0552	225.38	34.74	216	201	II:	61		0	6	17.4
0776	0913.7−0011	0916.3−0023	231.79	31.50	214	185	III	51		0	6	17.9
0777	0922.4+7827	0928.3+7813	133.94	34.14	173	221	III	210	0.224	4	6	17.5
0778	0915.5−0806	0918.0−0818	239.55	27.36	188	82		54		1	0	17.8
0779	0916.8+3359	0919.8+3346	191.07	44.41	272	89	I-II:	32	0.0226	0	1	13.8
0780	0916.1−1203	0918.5−1215	243.15	25.07	178	192		39	0.0522	0	5	16.6
0781	0917.4+3039	0920.4+3026	195.70	44.05	106	230	III	97		0	6	17.6
0782	0918.5+5211	0922.0+5158	165.60	43.95	320	104	III	107		0	6	17.4
0783	0919.3+6127	0923.2+6114	153.40	41.53	297	280	III	56		0	6	17.4
0784	0918.9+5511	0922.5+5458	161.54	43.33	307	265	II:	64	0.1236	1	6	17.5
0785	0920.4+5941	0924.2+5928	155.58	42.24	297	185		39		0	0	17.6
0786	0923.7+7501	0928.8+7447	137.46	36.01	170	37		45	0.0241	0	5	16.9
0787	0923.5+7437	0928.6+7423	137.89	36.21	135	337	II:	106	0.1352	2	5	16.9
0788	0923.3+7231	0928.1+7217	140.17	37.25	131	224	II:	63		0	5	17.0
0789	0921.5+6114	0925.3+6101	153.55	41.85	284	268		47		0	0	17.5
0790	0918.7−1325	0921.1−1337	244.76	24.71	143	119		75		1	0	17.3
0791	0919.6+1238	0922.3+1225	218.93	39.04	140	230	III	60		0	6	17.5
0792	0921.8+4301	0925.0+4248	178.33	45.67	311	255	II-III:	51		0	6	17.5
0793	0922.2+5031	0925.6+5018	167.73	44.83	71	332	II-III	64		0	5	17.1
0794	0921.1+0852	0923.8+0839	223.44	37.68	118	350	III	55		0	6	17.5
0795	0921.3+1423	0924.0+1410	217.09	40.14	118	324	III	151	0.1357	3	6	17.5
0796	0924.2+6037	0928.0+6023	154.18	42.37	269	234	III	56		0	6	17.4
0797	0923.8+1753	0926.6+1739	213.10	42.04	89	190	II-III	51		0	5	16.5
0798	0932.9+8111	0939.6+8057	130.93	32.96	252	56	II-III	54		0	6	17.9
0799	0926.6+5858	0930.3+5844	156.15	43.22	257	144		38		0	0	17.7
0800	0925.4+3801	0928.5+3747	185.52	46.43	176	305	III	99		0	6	17.7

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0801	0925.2+2047	0928.0+2033	209.54	43.33	73	345	II-III	81	0.1918	2	6	17.7
0802	0929.2+6716	0933.4+6702	145.79	40.18	225	266	III	59		0	6	17.3
0803	0926.5+1221	0929.2+1207	220.20	40.44	50	215		49		0	0	17.5
0804	0928.9+6247	0932.8+6233	151.18	42.08	234	348	II-III:	64		0	6	17.4
0805	0926.4+0420	0929.0+0406	229.20	36.59	47	107		37		0	0	17.5
0806	0928.6+5615	0932.2+5601	159.59	44.35	231	319		42		0	0	17.5
0807	0926.5-0613	0929.0-0626	239.70	30.67	41	183	III	54		0	6	17.9
0808	0927.5+0755	0930.2+0741	225.46	38.62	34	299		38		0	0	17.4
0809	0933.5+7731	0939.0+7717	134.49	35.14	142	172		31		0	0	16.9
0810	0928.2-0156	0930.7-0209	235.91	33.54	19	91		37		0	0	17.4
0811	0934.4+7745	0939.9+7731	134.23	35.04	139	185	II-III	71		0	6	17.4
0812	0929.5+3807	0932.6+3753	185.39	47.24	133	310		39		0	0	17.8
0813	0928.1-1420	0930.5-1433	247.15	25.87	22	69		61		1	0	17.5
0814	0934.0+7609	0939.2+7555	135.85	35.94	137	99	II-III	92		0	5	17.1
0815	0929.4+2917	0932.3+2903	198.25	46.38	267	160	II:	62		0	6	17.7
0816	0928.6-1310	0931.0-1323	246.25	26.72	15	131		68		1	0	17.4
0817	0929.4+1735	0932.2+1721	214.14	43.17	324	176	III	50		0	5	17.1
0818	0934.0+7412	0938.9+7358	137.87	37.03	96	317		47		0	0	16.5
0819	0929.6+0953	0932.3+0939	223.54	40.01	324	84	III	36	0.0759	0	5	16.5
0820	0931.3-0242	0933.8-0255	237.20	33.72	300	51	III	65		0	6	17.5
0821	0931.5-0428	0934.0-0441	238.94	32.72	296	279		48		0	0	17.7
0822	0931.3-1312	0933.7-1325	246.76	27.20	294	132		50		1	0	17.5
0823	0931.0-2538	0933.2-2551	256.64	18.71	224	104		50		1	0	17.3
0824	0932.4+2408	0935.3+2354	205.72	45.90	230	207	III	42		0	6	17.5
0825	0934.8+6539	0938.8+6525	147.35	41.42	198	179		57		1	0	18.2
0826	0933.8+5344	0937.3+5330	162.69	45.81	194	183		32		0	0	17.7
0827	0932.1-0244	0934.6-0257	237.37	33.86	289	49	III	55		0	6	17.5
0828	0932.9+1225	0935.6+1211	221.02	41.87	280	220		41		0	0	17.7
0829	0935.1+6222	0938.9+6208	151.30	42.90	195	325		44		0	0	17.1
0830	0932.8+0744	0935.5+0730	226.49	39.68	280	291	II	57		0	6	17.7
0831	0932.7-0249	0935.2-0302	237.56	33.94	281	44		44		0	0	17.5
0832	0933.2+1605	0936.0+1551	216.52	43.45	275	96		49		0	0	17.1
0833	0933.5+1105	0936.2+1051	222.71	41.41	272	149		43		0	0	16.7
0834	0936.6+6654	0940.7+6640	145.77	40.99	187	246	III	30		0	4	16.3
0835	0934.7+1305	0937.4+1251	220.47	42.56	256	256	II-III	51		0	6	17.7
0836	0940.9+7840	0946.5+7826	133.09	34.76	125	234	II	52		0	6	17.3
0837	0934.8+0845	0937.5+0831	225.64	40.61	255	345	II-III	52		0	6	17.5
0838	0934.6-0447	0937.1-0500	239.79	33.14	254	262	III	40	0.0507	0	3	15.3
0839	0942.5+8007	0948.6+7953	131.65	33.92	127	312		33		0	0	17.9
0840	0941.9+7856	0947.6+7842	132.80	34.64	123	249		38		0	0	17.3
0841	0936.1-0358	0938.6-0411	239.28	33.93	234	306		47		0	0	16.5
0842	0935.9-2042	0938.2-2055	253.70	22.96	229	52		30		0	0	16.7
0843	0938.4+5648	0941.9+5634	158.23	45.44	158	347	III	59		0	6	17.5
0844	0937.5-0043	0940.1-0056	236.33	36.14	218	157	III:	52		0	6	17.6
0845	0940.2+6438	0944.1+6424	148.20	42.40	168	124	II	92		0	6	17.4
0846	0938.3+2243	0941.1+2229	208.23	46.81	158	130	II:	53		0	5	17.0
0847	0937.8+0241	0940.4+0227	232.86	38.12	212	340	II-III	103		0	6	17.5
0848	0942.7+7506	0947.6+7452	136.53	36.99	104	44		44		0	0	16.9
0849	0938.6+2135	0941.4+2121	209.84	46.55	155	69		44		0	0	17.2
0850	0938.4+1248	0941.1+1234	221.35	43.25	208	240	III	80		0	6	17.5
0851	0939.6+4714	0942.8+4700	171.62	48.27	213	157		71	0.402	1	0	18.4
0852	0939.1+2939	0942.0+2925	198.24	48.52	154	179	III	50		0	6	17.8
0853	0939.5+1537	0942.2+1523	217.94	44.66	194	70		42		0	0	17.5
0854	0939.4+0910	0942.1+0856	225.88	41.80	195	45	III	59	0.2069	1	6	17.7
0855	0939.0-0903	0941.5-0916	244.54	31.33	195	33		55		1	0	17.4
0856	0941.9+5647	0945.4+5633	158.01	45.90	132	347		42		0	0	17.1
0857	0939.8-2223	0942.1-2236	255.69	22.42	118	278		107		2	0	16.9
0858	0940.8+0607	0943.4+0553	229.62	40.58	175	204	II	44	0.0881	0	5	16.6
0859	0941.0+0905	0943.7+0851	226.24	42.11	174	41	III	51		0	5	17.1
0860	0941.0+0220	0943.6+0206	233.80	38.59	170	321	III	59		0	6	17.4
0861	0941.0+0017	0943.6+0003	235.94	37.43	170	211		43		0	0	17.4
0862	0941.8+0948	0944.5+0934	225.51	42.63	163	79	II-III:	68		0	6	17.7
0863	0941.5-1223	0943.9-1236	247.93	29.61	160	176		40		0	0	17.7
0864	0945.6+7126	0950.0+7111	140.17	39.28	34	175	III	57		0	6	17.4
0865	0943.5+4343	0946.7+4329	176.72	49.53	98	291	III	41		0	5	16.6
0866	0944.4+5822	0948.0+5808	155.73	45.59	133	111		45		0	0	17.5
0867	0942.6+0046	0945.2+0032	235.73	38.03	149	237		44		0	0	17.5
0868	0943.0-0825	0945.5-0838	244.72	32.49	142	68	II-III:	186	0.153	3	6	17.6
0869	0943.6+0235	0946.2+0221	234.00	39.27	135	335		48		0	0	17.4
0870	0944.1+0950	0946.8+0936	225.84	43.14	133	82	III	62		0	6	17.7
0871	0947.3+6601	0951.2+6546	146.08	42.36	130	199	II-III:	52		0	5	17.1
0872	0950.3+7730	0955.5+7715	133.83	35.87	93	175	III	70		0	6	17.6
0873	0948.4+7132	0952.7+7117	139.90	39.41	303	184	III	133	0.182	3	6	17.4
0874	0947.1+5816	0950.6+5801	155.65	45.96	114	106	III	63		0	6	17.7
0875	0949.4+7110	0953.7+7055	140.23	39.69	302	164		47		0	0	17.4
0876	0947.0+2931	0949.9+2916	198.84	50.20	61	173	II:	59		0	6	17.6
0877	0951.1+7537	0955.9+7522	135.61	37.10	79	75	III	54		0	6	17.7
0878	0947.1+0600	0949.7+0545	230.84	41.86	91	198	II-III:	61		0	5	16.8
0879	0947.8+2906	0950.7+2851	199.52	50.31	52	151	III	61		0	5	17.2
0880	0947.2-0356	0949.7-0410	241.32	36.14	86	308	II-III:	63		0	6	17.4
0881	0951.7+7157	0956.0+7142	139.27	39.37	287	204		44		0	0	17.7
0882	0948.6+0829	0951.3+0814	228.21	43.45	71	331	I	48	0.1408	0	5	17.1
0883	0948.7+0544	0951.3+0529	231.43	42.05	70	184	II:	50		0	5	16.8
0884	0948.9+0458	0951.5+0443	232.34	41.68	67	143		48		0	0	17.1
0885	0951.1+6243	0954.8+6228	149.71	44.38	97	345	III	63		0	6	17.7
0886	0950.8+5808	0954.3+5753	155.53	46.46	88	99	III	69		0	6	17.5
0887	0950.6+4035	0953.7+4020	181.36	51.21	23	124		36		0	0	17.6
0888	0954.8+7711	0959.8+7656	133.93	36.26	78	159	III	66		0	6	17.7
0889	0950.7+2301	0953.5+2246	208.99	49.64	328	148	III:	62		0	6	17.6
0890	0950.5-0436	0953.0-0450	242.60	36.37	42	271		31		0	0	17.2
0891	0951.4+2839	0954.3+2824	200.42	51.01	314	128	II-III	61		0	6	17.6
0892	0951.0+0048	0953.6+0033	237.26	39.76	36	239		42		0	0	17.1
0893	0952.7+3613	0955.7+3558	188.33	51.86	182	210	III	50		0	6	17.8
0894	0952.9+3624	0955.9+3609	188.04	51.90	180	220		47		0	0	17.8
0895	0953.5+4944	0956.7+4929	167.06	49.89	91	292	III	53	0.360	1	6	18.0
0896	0953.4+4115	0956.5+4100	180.20	51.66	297	161		45		0	0	17.0
0897	0953.4+2826	0956.3+2811	200.87	51.41	291	116		44		0	0	17.6
0898	0954.5+4930	0957.7+4915	167.33	50.11	82	280	II	60		0	6	18.0
0899	0954.9+5531	0958.3+5516	158.69	48.06	33	283	III	54		0	5	17.2
0900	0953.8+1850	0956.6+1835	215.43	49.03	317	245		34		0	0	17.5

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
0901	0953.7-0942	0956.2-0956	247.95	33.63	318	0		52		1	0	17.7
0902	0954.0-0956	0956.5-1010	248.21	33.53	313	308		43		0	0	17.7
0903	0955.0+1952	0957.8+1937	214.09	49.65	300	300		44		0	0	17.2
0904	0956.6+6019	1000.1+6004	152.23	46.12	55	219	III	51		0	6	17.4
0905	0957.0+5714	1000.4+5659	156.19	47.59	41	54		38		0	0	17.8
0906	0957.8+6537	1001.6+6522	145.75	43.48	71	181		44		0	0	17.4
0907	0955.9-1049	0958.4-1103	249.37	33.27	288	262		54		1	0	17.5
0908	0956.8+2239	0959.6+2224	210.14	50.89	252	128	I-II:	55		0	7	18.4
0909	1000.6+7504	1005.2+7449	135.66	37.91	43	50	III:	90		0	6	17.7
0910	0959.1+6724	1003.0+6709	143.64	42.57	71	277	II-III	222	0.2055	4	6	17.5
0911	0958.0-1509	1000.4-1523	253.44	30.60	258	30		42		0	0	17.5
0912	0958.6+0008	1001.2-0006	239.45	40.89	256	205		36	0.0888	0	4	15.9
0913	0959.8+2043	1002.6+2028	213.40	50.99	239	345	III	65	0.1675	1	6	18.0
0914	1004.3+7129	1008.4+7114	138.95	40.44	237	174	III	114		0	6	17.7
0915	1002.6+5110	1005.8+5055	164.19	50.79	269	50	III	54		0	5	17.2
0916	1001.5-1908	1003.9-1922	257.28	28.28	210	138		41		0	0	17.3
0917	1004.2+6245	1007.8+6230	148.56	45.64	283	351	III	66		0	6	17.4
0918	1006.1+7359	1010.5+7344	136.38	38.90	222	308	III	69		0	5	17.1
0919	1002.4-0027	1005.0-0041	240.84	41.28	205	173	II:	60		0	5	17.1
0920	1004.0+5531	1007.3+5516	157.87	49.22	249	282	II-III	56		0	5	17.2
0921	1002.9+0740	1005.5+0725	231.76	46.07	199	288	III	41		0	5	16.7
0922	1006.3+7116	1010.4+7101	139.04	40.70	229	162	II-III:	85		0	6	17.9
0923	1003.7+2609	1006.5+2554	205.22	53.25	167	314	II:	50	0.1162	1	5	17.2
0924	1004.1+3554	1007.0+3539	188.78	54.17	58	195	III	75	0.0989	1	5	17.2
0925	1004.0+2722	1006.8+2707	203.24	53.55	165	58	III	53		0	6	17.7
0926	1004.0+2156	1006.8+2141	212.01	52.29	164	88	II:	56		0	6	17.8
0927	1005.0+5034	1008.2+5019	164.87	51.36	281	340	III	66		0	6	17.4
0928	1004.2+1145	1006.9+1130	226.79	48.39	184	186	II-III	57		0	5	17.2
0929	1004.9+3815	1007.9+3800	184.76	54.18	54	321		45		0	0	17.6
0930	1004.4-0523	1006.9-0537	246.18	38.49	177	231	III:	50		0	5	16.5
0931	1004.4-1310	1006.8-1324	253.11	33.10	175	136		40		0	0	17.4
0932	1005.3+1950	1008.1+1935	215.41	51.92	170	297	III:	50		0	6	17.5
0933	1005.1+0046	1007.7+0031	240.11	42.56	169	239	III	44		0	4	15.9
0934	1005.9+1730	1008.6+1715	219.00	51.22	163	172	III	61		0	5	17.0
0935	1007.3+5614	1010.6+5559	156.57	49.31	223	320		49		0	0	17.2
0936	1006.4+2948	1009.3+2933	199.27	54.41	138	188		41		0	0	17.2
0937	1006.2+1413	1008.9+1358	223.77	49.95	157	318	II-III	65		0	5	17.2
0938	1006.7+1839	1009.4+1824	217.39	51.82	152	234	III	30		0	5	16.6
0939	1006.3-1104	1008.8-1118	251.73	34.92	150	248		31		0	0	17.7
0940	1006.7-1623	1009.1-1637	256.20	31.14	144	285		48		0	0	17.5
0941	1007.1+0356	1009.7+0341	237.01	44.86	143	88	II	56		0	5	17.1
0942	1008.7+1932	1011.4+1917	216.31	52.57	127	281		32		0	0	17.0
0943	1009.3+3352	1012.2+3337	192.28	55.26	307	87	III	82		0	5	17.2
0944	1008.6-0147	1011.1-0201	243.52	41.64	121	101	III	50		0	5	17.1
0945	1011.8+6920	1015.7+6905	140.60	42.30	208	58		45	0.0917	0	5	17.2
0946	1009.7+2406	1012.5+2351	209.10	54.13	94	205		44		0	0	17.6
0947	1011.6+6319	1015.2+6304	147.21	46.01	287	61	III	77		0	5	16.8
0948	1012.9+7233	1017.0+7218	137.33	40.23	199	230		32		0	0	17.1
0949	1009.8+0640	1012.4+0625	234.33	46.96	108	235	III	31		0	5	16.8
0950	1011.5+5004	1014.7+4949	165.00	52.50	227	312	II-III:	55		0	6	17.6
0951	1011.0+3458	1013.9+3443	190.33	55.60	287	147	III:	52	0.1427	1	6	17.6
0952	1011.0+2001	1013.7+1946	215.86	53.24	98	308	II-III	54		0	5	16.9
0953	1010.7-1542	1013.1-1556	256.49	32.29	94	0		55		1	0	17.9
0954	1011.1+0007	1013.7-0007	242.08	43.33	89	204		49		0	0	16.5
0955	1010.6-2412	1012.9-2426	262.78	25.81	60	182		75		1	0	17.4
0956	1012.3+4725	1015.4+4710	169.04	53.57	222	170	III	52		0	5	17.2
0957	1011.4-0040	1014.0-0054	242.97	42.89	85	161	I-II:	55	0.044	1	4	15.9
0958	1013.2+4115	1016.2+4100	179.22	55.34	97	160	III	60		0	6	18.0
0959	1014.1+5948	1017.5+5932	151.21	48.26	227	191	III:	55		0	6	17.8
0960	1015.1+6628	1018.8+6612	143.35	44.38	255	228	II-III:	117		0	5	17.2
0961	1013.6+3352	1016.5+3337	192.28	56.16	259	87	II-III	88		0	5	17.2
0962	1015.3+6343	1018.8+6327	146.39	46.11	263	81		48		0	0	17.1
0963	1014.2+3916	1017.2+3900	182.62	55.86	85	54	I-II	134	0.206	3	5	17.2
0964	1013.8+2503	1016.6+2448	207.87	55.25	44	257	II	50		0	5	17.2
0965	1015.5+5008	1018.6+4952	164.48	53.07	192	315	III	50		0	6	17.5
0966	1013.9-2508	1016.2-2522	264.08	25.54	21	131	III:	67		0	6	17.4
0967	1015.4+4341	1018.4+4325	174.89	55.19	79	291		47		0	0	17.0
0968	1017.4+6831	1021.2+6815	140.99	43.22	237	337	III	119		0	6	17.5
0969	1015.7+3037	1018.5+3021	198.16	56.49	30	234	II-III	56		0	6	17.6
0970	1015.1-1027	1017.6-1042	253.11	36.87	34	281	III	54		0	5	16.5
0971	1016.8+4113	1019.8+4057	179.04	56.01	61	159	II	58		0	5	16.6
0972	1017.0+3948	1020.0+3932	181.52	56.31	57	83	II-III	66		0	5	17.2
0973	1016.8+0819	1019.4+0803	233.68	49.32	15	324	II	98		0	6	17.6
0974	1017.0+1418	1019.7+1402	225.49	52.34	17	323	II-III	56		0	6	17.4
0975	1019.1+6453	1022.7+6437	144.71	45.71	238	142	III:	93		0	5	16.8
0976	1017.0-1340	1019.4-1355	256.23	34.82	324	109		58		1	0	17.7
0977	1018.0+3329	1020.9+3313	192.96	57.07	211	65	III	52		0	5	17.2
0978	1018.0-0616	1020.5-0631	250.01	40.36	316	185	II	55	0.0527	1	3	15.6
0979	1017.9-0738	1020.4-0753	251.25	39.38	316	112		39	0.055	0	3	15.3
0980	1019.3+5022	1022.4+5006	163.71	53.53	160	327	II-III:	57		0	6	17.5
0981	1020.7+6822	1024.4+6806	140.86	43.55	221	328	II-III:	126		0	6	17.9
0982	1019.0+3453	1021.9+3437	190.37	57.24	199	140	III:	77		0	6	17.6
0983	1020.1+6004	1023.5+5948	150.24	48.73	187	204	III	87		0	6	17.7
0984	1018.7+1227	1021.4+1211	228.47	51.84	308	225		30		0	0	17.8
0985	1019.8+5218	1023.0+5202	160.76	52.75	126	109	III	61		0	5	17.0
0986	1018.9+1423	1021.6+1407	225.71	52.78	304	329	III	66		0	6	17.7
0987	1019.1+0639	1021.7+0623	236.28	48.86	303	236	III	61		0	5	17.2
0988	1019.8+3234	1022.7+3218	194.66	57.45	280	339		32		0	0	18.0
0989	1019.4+0927	1022.0+0911	232.74	50.47	300	64		32		0	0	17.2
0990	1020.4+4925	1023.5+4909	165.05	54.08	149	276	III	58		0	6	17.4
0991	1019.7+1908	1022.4+1852	218.47	54.87	291	262	III	51	0.0880	1	5	17.2
0992	1019.8+2045	1022.5+2029	215.81	55.43	288	349	III	52		0	6	17.8
0993	1019.4-0442	1021.9-0457	248.84	41.70	297	269	III	36	0.0533	0	3	14.9
0994	1020.1+1935	1022.8+1919	217.79	55.11	286	286	I:	52		0	6	17.5
0995	1020.7+3732	1023.6+3716	185.43	57.36	181	282	III	56		0	5	17.2
0996	1020.2+1524	1022.9+1508	224.42	53.51	287	62	III	52		0	6	17.6
0997	1021.0+3746	1023.9+3730	184.98	57.39	177	295	III:	70		0	5	17.2
0998	1022.6+6813	1026.3+6757	140.85	43.78	212	320	II	123		0	6	17.5
0999	1020.7+1306	1023.4+1250	227.92	52.58	281	260	II-III:	33	0.0318	0	3	15.6
1000	1021.8+5026	1024.9+5010	163.32	53.86	138	331	II-III	66		0	6	17.6

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1001	1020.7-0621	1023.2-0636	250.71	40.78	280	181	III	70		0	6	17.7
1002	1022.0+5007	1025.1+4951	163.79	54.03	137	314	III	50		0	6	17.6
1003	1022.0+4803	1025.1+4747	167.03	54.87	135	203		37	0.0520	0	5	16.6
1004	1022.4+5119	1025.5+5103	161.91	53.56	103	57	I-II	76		0	5	17.2
1005	1023.8+6829	1027.5+6813	140.48	43.67	206	334	III	81		0	6	17.5
1006	1024.0+6718	1027.6+6702	141.66	44.50	206	270	II-III	79		0	6	17.7
1007	1022.6+3311	1025.5+3255	193.51	58.04	160	49	III:	72		0	6	17.5
1008	1022.2-0506	1024.7-0521	249.88	41.92	260	248		40		0	0	17.7
1009	1022.4-0532	1024.9-0547	250.34	41.65	257	224	III	76		0	6	17.7
1010	1023.3+3919	1026.2+3903	182.01	57.59	299	59	III	59		0	5	17.2
1011	1022.8+1231	1025.5+1215	229.17	52.75	254	228		46		0	0	17.8
1012	1023.3+3132	1026.1+3116	196.63	58.16	241	283		38		0	0	17.8
1013	1023.4-0558	1025.9-0613	250.98	41.52	244	201	III	88		0	6	17.7
1014	1025.5+6542	1029.0+6526	143.20	45.68	200	184	III	84		0	5	17.1
1015	1024.9+3448	1027.8+3432	190.40	58.46	135	136	III	61		0	6	17.5
1016	1024.4+1114	1027.0+1058	231.32	52.45	233	159		37	0.0321	0	3	15.4
1017	1026.6+6523	1030.1+6507	143.43	45.98	195	167		47		0	0	17.9
1018	1025.2+1749	1027.9+1733	221.46	55.59	221	190	III	50	0.297	1	6	17.6
1019	1025.6+3104	1028.4+3048	197.56	58.64	215	257	III	50		0	6	17.8
1020	1025.2+1040	1027.8+1024	232.28	52.32	222	129	II-III:	68	0.0650	1	4	16.0
1021	1025.8+3755	1028.7+3739	184.45	58.31	126	303	III:	55		0	5	16.6
1022	1025.7+0956	1028.3+0940	233.41	52.04	216	90		40		0	0	17.2
1023	1025.5-0630	1028.0-0645	251.98	41.50	216	172		31		0	0	17.1
1024	1025.7+0401	1028.3+0345	240.98	48.62	215	94	II:	69		0	5	17.0
1025	1028.2+6306	1031.6+6250	145.77	47.62	187	46	III	87		0	5	16.9
1026	1027.2+4020	1030.1+4004	179.85	58.12	257	113	II	74		0	5	17.2
1027	1027.8+5339	1030.9+5323	157.83	53.14	63	184	I	67		0	5	17.2
1028	1027.7+4123	1030.6+4107	177.88	57.96	250	169	II	64		0	5	17.0
1029	1031.0+7735	1035.4+7719	131.82	37.36	231	182	III	81		0	5	17.1
1030	1027.8+3115	1030.6+3059	197.24	59.11	190	268		46		0	0	17.8
1031	1028.2+3859	1031.1+3843	182.29	58.59	249	40		45		0	0	17.2
1032	1027.7+0416	1030.3+0400	241.15	49.16	188	108	III	31		0	4	15.7
1033	1028.7+3520	1031.6+3504	189.27	59.19	93	165	III	96		0	5	17.2
1034	1028.6+1858	1031.3+1842	220.09	56.77	179	253	III	62		0	6	17.5
1035	1029.2+4028	1032.1+4012	179.44	58.46	237	120	II-III:	94	0.0799	2	3	15.4
1036	1029.3+3207	1032.1+3151	195.56	59.45	172	314		40		0	0	17.8
1037	1032.1+6902	1035.7+6846	139.20	43.82	112	43		40		0	0	17.7
1038	1030.4+0230	1033.0+0214	243.87	48.57	151	334	I-II	63		0	6	17.6
1039	1030.3-0432	1032.8-0447	251.28	43.75	152	279		32		0	0	17.5
1040	1031.4+4544	1034.4+4528	169.78	57.23	45	82		46		0	0	17.2
1041	1030.4-0838	1032.9-0853	255.09	40.77	150	59	III	50		0	5	17.1
1042	1031.5+1203	1034.1+1147	231.63	54.36	139	204	III	51		0	5	17.2
1043	1031.7+1632	1034.4+1616	224.68	56.50	138	122	III	60		0	5	17.2
1044	1031.6+0555	1034.2+0539	240.04	50.94	137	196	II-III	71		0	6	17.6
1045	1032.2+3057	1035.0+3041	197.90	60.05	139	252	II-III	71		0	5	17.2
1046	1034.0+6813	1037.6+6757	139.82	44.53	155	320	III	108		0	6	17.5
1047	1032.2+0440	1034.8+0424	241.74	50.29	128	129	II	60		0	5	17.2
1048	1033.1+4412	1036.1+4356	172.25	58.07	196	319		30		0	0	17.2
1049	1035.1+6800	1038.6+6744	139.92	44.76	150	308	III	108		0	6	17.7
1050	1033.9+4504	1036.9+4448	170.62	57.89	20	47	III	95		0	5	17.2
1051	1034.0+4628	1037.0+4612	168.20	57.36	23	122	II:	54		0	6	17.5
1052	1033.6+2819	1036.4+2803	203.21	60.16	122	110	III	56		0	6	17.8
1053	1033.9+3101	1036.7+3045	197.79	60.41	119	255	III	55		0	5	17.2
1054	1034.4+4253	1037.3+4237	174.47	58.73	183	248	III	72		0	5	17.2
1055	1034.5+3725	1037.4+3709	184.88	60.09	34	278		45		0	0	17.2
1056	1035.0+4204	1037.9+4148	175.90	59.09	177	205	III	51		0	5	17.0
1057	1034.5+1240	1037.2+1224	231.36	55.30	100	237	III	58		0	5	17.2
1058	1035.0+3438	1037.8+3422	190.43	60.54	23	130		46		0	0	17.2
1059	1034.7-0543	1037.2-0558	253.51	43.64	93	215	III	57		0	6	17.7
1060	1034.5-2716	1036.9-2731	269.64	26.51	90	18	III	50	0.0114	1	0	12.7
1061	1037.3+6728	1040.8+6712	140.23	45.29	138	280	III	99		0	6	17.7
1062	1036.0+1608	1038.7+1552	226.15	57.26	83	101	II-III:	62		0	5	17.2
1063	1036.1+1855	1038.8+1839	221.39	58.40	83	250	III	67		0	5	17.2
1064	1036.2+0132	1038.8+0116	246.43	49.02	74	282	III	54		0	5	17.1
1065	1037.8+5709	1041.0+5653	151.74	52.32	60	51		48		0	0	17.2
1066	1036.8+0526	1039.4+0510	241.93	51.66	66	170	II:	68		0	5	16.6
1067	1037.7+4030	1040.6+4014	178.58	60.02	150	120	III	50		0	5	16.6
1068	1037.9+4013	1040.8+3957	179.11	60.13	147	105	I	71		0	5	17.0
1069	1037.4-0821	1039.9-0836	256.58	42.12	58	73	III	45	0.063	0	3	15.1
1070	1042.4+7824	1046.7+7808	130.61	37.07	197	223	III	122		0	6	17.5
1071	1039.7+4321	1042.6+4305	172.97	59.48	132	273		49		0	0	17.2
1072	1040.3+5740	1043.4+5724	150.74	52.26	44	79		44		0	0	17.2
1073	1039.6+3654	1042.4+3638	185.57	61.17	276	251	II-III	82	0.1390	2	5	17.2
1074	1040.3+4654	1043.3+4638	166.61	58.16	275	144	II	77		0	6	17.3
1075	1040.0-0928	1042.5-0943	258.20	41.68	23	13	III	60		0	5	17.1
1076	1041.9+5826	1045.1+5810	149.56	51.93	35	121	II-III	50		0	5	17.2
1077	1041.7+4646	1044.6+4630	166.63	58.43	263	136	II-III	88		0	6	17.5
1078	1041.0+0054	1043.6+0038	248.39	49.47	331	249	II-III:	55		0	5	17.0
1079	1040.9-0707	1043.4-0722	256.38	43.62	330	140		41		0	0	17.1
1080	1041.4+0121	1044.0+0105	247.99	49.85	325	273		42		0	0	17.0
1081	1042.0+3550	1044.8+3534	187.62	61.82	252	193	II-III	83	0.1588	2	5	17.2
1082	1041.9+3238	1044.7+3222	194.40	62.10	30	343		46		0	0	17.6
1083	1043.0+5955	1046.2+5939	147.63	51.05	33	201		35		0	0	17.6
1084	1042.1-0649	1044.6-0704	256.42	44.04	315	156	III	51		0	6	17.4
1085	1042.6+2032	1045.3+2016	219.48	60.41	303	338	III	31		0	5	16.6
1086	1042.2-1614	1044.7-1629	264.06	36.63	307	294		51		1	0	17.5
1087	1043.3+4410	1046.2+4354	171.00	59.78	98	318		45		0	0	17.8
1088	1042.3-1913	1044.7-1928	266.18	34.19	303	134		42		0	0	17.0
1089	1043.7+1854	1046.4+1838	222.74	60.06	290	250		46		0	0	17.7
1090	1043.3-1804	1045.7-1819	265.62	35.28	291	196		39		0	0	17.1
1091	1043.5-1644	1046.0-1659	264.73	36.40	290	268		38		0	0	17.7
1092	1043.8+0137	1046.4+0121	248.33	50.47	293	287	III	76		0	6	17.6
1093	1044.3+0920	1046.9+0904	238.59	55.51	287	58	III	51	0.226	1	6	17.8
1094	1044.8+2747	1047.5+2731	204.90	62.55	295	84	III	83	0.2004	2	6	18.0
1095	1044.8+1529	1047.5+1513	229.05	58.85	279	67	III	93		0	6	17.6
1096	1045.4+2819	1048.1+2803	203.77	62.74	287	112	II-III	60		0	6	17.8
1097	1045.7+3144	1048.5+3128	196.30	62.93	280	295	II-III	38		0	4	16.0
1098	1045.4-0340	1047.9-0355	254.35	46.95	271	3	III	32		0	5	16.9
1099	1046.1+3514	1048.9+3458	188.64	62.73	208	160	III	53		0	5	17.0
1100	1046.2+2230	1048.9+2214	216.14	61.81	283	122	II:	35	0.0455	0	4	15.7

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1101	1046.8+4437	1049.7+4421	169.67	60.17	65	343	III	89	0.1614	2	6	17.8
1102	1046.3+0726	1048.9+0710	241.77	54.76	260	279	III	61		0	6	17.5
1103	1046.5+1342	1049.1+1326	232.43	58.35	256	293	III	48		0	6	17.6
1104	1046.2-1653	1048.7-1708	265.50	36.64	255	261	III	40		0	6	17.4
1105	1046.6+0942	1049.2+0926	238.65	56.18	257	78	III	53		0	5	16.8
1106	1047.4+4415	1050.3+4359	170.25	60.42	58	324		38		0	0	17.8
1107	1046.9+0354	1049.5+0338	246.49	52.59	252	89		75		1	0	17.0
1108	1047.2+1629	1049.9+1613	227.82	59.82	247	121		40		0	0	17.2
1109	1047.4+1801	1050.1+1745	225.07	60.52	244	203	II-III:	53		0	5	17.2
1110	1048.7+4239	1051.6+4223	173.07	61.27	42	239	III:	76		0	6	17.8
1111	1048.1-0218	1050.6-0233	253.73	48.42	235	77	III	88		0	6	17.8
1112	1049.3+5549	1052.3+5533	151.78	54.39	191	299		37		0	0	17.5
1113	1048.4+0854	1051.0+0838	240.28	56.06	233	35	II:	61		0	6	17.6
1114	1048.7+2025	1051.4+2009	220.71	61.71	226	332	III	60		0	5	17.1
1115	1048.9+0918	1051.5+0902	239.84	56.40	226	56	III	56		0	6	17.6
1116	1049.5+1229	1052.1+1213	235.13	58.33	218	227	II	46		0	5	17.2
1117	1050.2+4000	1053.0+3944	178.14	62.45	21	97	II-III	58		0	5	17.2
1118	1050.4+3749	1053.2+3733	182.70	63.09	161	299		48		0	0	17.6
1119	1050.1+1058	1052.7+1042	237.66	57.61	210	146	II	61		0	6	17.5
1120	1050.5+3104	1053.3+3048	197.75	63.97	226	259	II-III	97		0	6	18.0
1121	1050.2+0917	1052.8+0901	240.21	56.65	209	56	II-III	81		0	6	17.7
1122	1050.7+3810	1053.5+3754	181.92	63.06	158	318		46		0	0	17.7
1123	1052.9+7547	1056.7+7530	131.90	39.55	168	83	III	108	0.1235	2	5	16.9
1124	1052.6+7201	1056.1+7144	134.78	42.63	36	211	III	90		0	6	17.3
1125	1051.2+1030	1053.8+1014	238.67	57.57	196	121	II-III	65		0	6	17.6
1126	1051.3+1707	1054.0+1651	227.55	60.98	195	154	I-II:	55	0.0852	1	4	16.0
1127	1051.5+1456	1054.1+1440	231.52	60.01	192	37	II-III	53		0	6	17.8
1128	1051.6+0917	1054.2+0901	240.59	56.93	191	55		43		0	0	17.0
1129	1051.9+1205	1054.5+1148	236.38	58.61	186	206		33		0	0	17.8
1130	1052.2-1024	1054.7-1040	262.18	42.78	178	287		34		0	0	17.1
1131	1053.0+1115	1055.6+1058	237.99	58.36	172	161	II-III	77		0	5	17.2
1132	1055.3+5703	1058.3+5646	149.26	54.18	248	45	III	74	0.1363	1	5	17.0
1133	1055.2+5007	1058.1+4950	158.92	58.61	140	315	III	52		0	6	17.4
1134	1054.5-0152	1057.1-0208	255.11	49.81	149	100	II-III:	86		0	6	17.6
1135	1055.3+4119	1058.1+4102	174.72	62.91	273	167	II:	69		0	5	16.9
1136	1054.9+0854	1057.5+0837	242.06	57.34	147	35	III	59		0	6	17.6
1137	1055.0+0953	1057.6+0936	240.64	57.96	146	87	III	57		0	5	17.2
1138	1055.9+3315	1058.7+3258	192.54	64.99	99	55	III	61		0	6	17.5
1139	1055.5+0146	1058.1+0129	251.47	52.65	136	296	III	36	0.0383	0	3	15.0
1140	1056.0+3412	1058.8+3355	190.31	64.89	98	106		49		0	0	17.8
1141	1056.9+1230	1059.5+1213	237.03	59.85	121	228	II-III:	90		0	5	17.2
1142	1058.3+1049	1100.9+1032	240.13	59.16	102	137	II-III:	35	0.0353	0	3	15.4
1143	1059.0+5037	1101.9+5020	157.45	58.80	109	342	III	71		0	5	17.2
1144	1059.4+5902	1102.4+5845	146.26	53.15	215	151		30		0	0	17.2
1145	1058.9+1700	1101.5+1643	229.48	62.56	96	148	III	34		0	4	15.7
1146	1058.9-2227	1101.3-2243	272.20	33.50	106	278	I	222	0.141	4	5	17.0
1147	1059.7+1216	1102.3+1159	238.19	60.29	84	215	III	56		0	6	17.6
1148	1059.9-0047	1102.5-0103	255.59	51.51	78	158	III	78		0	6	17.6
1149	1100.4+0754	1103.0+0737	245.11	57.75	72	303	III	34	0.0710	0	4	16.0
1150	1102.8+7358	1106.3+7341	132.48	41.43	257	312		32		0	0	16.5
1151	1101.6+3613	1104.4+3556	185.06	65.64	40	215		36		0	0	17.5
1152	1101.4+1249	1104.0+1232	237.74	60.94	62	245	III	59		0	6	17.6
1153	1101.3+0136	1103.9+0119	253.42	53.53	59	286	III:	84		0	6	17.5
1154	1102.0+5006	1104.9+4949	157.67	59.50	82	315	III	51		0	6	17.8
1155	1101.8+3528	1104.6+3511	186.82	65.84	36	175	II-III:	43		0	5	16.6
1156	1102.1+4741	1105.0+4724	161.57	60.94	77	186	III	77		0	6	17.8
1157	1101.9+1354	1104.5+1337	236.00	61.64	56	303	II-III	53		0	5	17.2
1158	1102.1+2230	1104.8+2213	218.51	65.33	85	121		34		0	0	17.6
1159	1102.9+1249	1105.5+1232	238.17	61.24	43	245	III	65		0	5	17.2
1160	1102.7-1841	1105.2-1857	270.86	37.21	45	163		56		1	0	17.4
1161	1103.0-2150	1105.5-2206	272.84	34.50	55	310		98		2	0	17.3
1162	1103.7+0413	1106.3+0356	251.05	55.84	28	106	III	62		0	6	17.6
1163	1103.5-2116	1106.0-2132	272.63	35.05	37	24		72		1	0	17.0
1164	1103.9+0220	1106.5+0203	253.39	54.50	24	326	II-III:	68		0	6	17.7
1165	1103.8-2427	1106.2-2443	274.51	32.28	47	169		65		1	0	17.5
1166	1105.9+6901	1109.1+6844	135.90	45.72	267	46	III	58		0	5	17.1
1167	1105.3+4909	1108.2+4852	158.51	60.50	52	265	II-III:	53		0	6	17.3
1168	1104.8+1611	1107.4+1554	232.54	63.42	21	105	II-III:	52		0	5	16.8
1169	1105.3+4413	1108.1+4356	167.18	63.28	172	320	III:	73	0.0582	1	5	16.6
1170	1104.9+0817	1107.5+0800	245.95	58.84	12	324	III	104	0.1620	2	6	17.6
1171	1104.9+0313	1107.5+0256	252.66	55.32	12	52		43		0	0	16.2
1172	1105.5-0653	1108.0-0709	263.07	47.55	322	153		39		0	0	17.2
1173	1106.4+4151	1109.2+4134	171.70	64.58	161	194	II-III:	52		0	5	16.8
1174	1106.6+4333	1109.4+4316	168.22	63.81	160	285	II	86		0	5	17.0
1175	1106.5+3327	1109.2+3310	191.37	67.16	291	67	I-II	79		0	6	17.8
1176	1106.4+0654	1109.0+0637	248.39	58.19	311	251		31		0	0	17.7
1177	1106.8+2158	1109.5+2141	220.55	66.20	27	94	I	32	0.0316	0	4	15.7
1178	1107.1+3452	1109.8+3435	187.73	67.03	282	143	III	103	0.2596	2	6	17.8
1179	1107.2+2414	1109.9+2357	215.13	66.91	24	215		39		0	0	16.6
1180	1108.1+6314	1111.1+6257	140.60	50.59	254	56	III	52		0	6	17.8
1181	1107.0-1930	1109.5-1946	272.47	37.00	295	120		78		1	0	17.6
1182	1107.6+3203	1110.3+3146	194.91	67.56	31	313	III	105		0	6	17.5
1183	1107.6+1217	1110.2+1200	240.48	61.87	294	218	II-III	61		0	5	17.2
1184	1108.3+5034	1111.2+5017	155.69	59.97	30	343		48		0	0	17.8
1185	1108.1+2857	1110.8+2840	203.05	67.75	20	147	II	52	0.0304	1	2	14.3
1186	1110.4+7540	1113.9+7523	130.78	40.21	110	78	II-III:	107	0.0791	2	5	16.5
1187	1108.9+3951	1111.7+3934	175.56	65.85	135	86	III	55	0.0791	1	3	15.6
1188	1108.7+2148	1111.4+2131	221.29	66.57	325	86	III	80		0	6	17.5
1189	1108.5+0124	1111.1+0107	255.94	54.57	284	277		36		0	0	17.0
1190	1109.0+4107	1111.8+4050	172.75	65.34	135	154	II:	87	0.0794	2	5	16.6
1191	1108.6+0102	1111.2+0045	256.38	54.31	283	257	II-III:	95		0	6	17.5
1192	1109.6+5932	1112.6+5915	144.06	53.62	145	177		47		0	0	17.6
1193	1109.5+4243	1112.3+4226	169.29	64.68	130	240	III	55		0	5	17.2
1194	1109.5+3059	1112.2+3042	197.64	68.04	305	256	II-III	53		0	6	17.5
1195	1109.2-0439	1111.7-0455	262.25	49.91	273	273	III:	56		0	6	17.6
1196	1110.1+5409	1113.0+5352	150.30	57.71	28	214	III	62		0	6	17.8
1197	1109.9+3645	1112.6+3628	182.68	67.11	249	243		32		0	0	17.2
1198	1110.1+3039	1112.8+3022	198.52	68.18	299	238	III	85		0	6	17.5
1199	1110.0+2021	1112.6+2004	224.96	66.34	259	328	III	62		0	6	17.6
1200	1109.8-0253	1112.3-0309	260.80	51.42	266	46	III	53		0	5	17.0

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1201	1110.4+1342	1113.0+1325	238.83	63.25	257	293	II-III	103	0.1688	2	5	17.0
1202	1110.9+4747	1113.7+4730	159.56	62.08	301	193	II-III	60		0	5	17.0
1203	1111.2+4034	1114.0+4017	173.51	65.96	112	125	II-III:	75		0	5	16.6
1204	1110.9+1752	1113.5+1735	230.71	65.50	249	195	II-III	54		0	6	17.8
1205	1110.8+0247	1113.4+0230	255.11	55.99	254	29	II:	63		0	5	16.9
1206	1111.0-0520	1113.5-0536	263.43	49.61	249	237	II	52		0	6	17.6
1207	1112.6+6758	1115.7+6741	135.97	46.94	217	308	III	72		0	5	17.1
1208	1111.5+0438	1114.1+0421	253.08	57.48	244	129	III	89		0	6	17.6
1209	1111.9+1310	1114.5+1253	240.27	63.24	238	265	III	52		0	5	17.2
1210	1112.3+1702	1114.9+1645	232.86	65.40	232	150	III	50		0	6	17.3
1211	1112.3-1156	1114.8-1212	269.02	44.21	231	204	III	89		0	6	17.5
1212	1114.3+5743	1117.2+5726	145.21	55.42	111	81		44		0	0	17.2
1213	1113.8+2932	1116.5+2915	201.53	69.01	256	178	III	51	0.0468	1	2	14.5
1214	1114.4-0520	1116.9-0536	264.51	50.08	204	237	III	61		0	6	17.5
1215	1116.9+0437	1119.5+0420	254.98	58.37	173	131	III	105		0	5	16.7
1216	1115.2-0412	1117.7-0428	263.78	51.13	193	298	III	57	0.0524	1	4	16.0
1217	1115.1-2457	1117.6-2513	277.51	32.97	228	145		62		1	0	17.4
1218	1116.0+5159	1118.8+5142	151.98	59.88	280	97	II-III	47	0.0792	0	4	16.0
1219	1115.8+1658	1118.4+1641	234.00	66.09	187	147	III	74		0	6	17.5
1220	1116.2+3746	1118.9+3729	179.09	67.96	182	297	III	68		0	6	17.3
1221	1116.9+6257	1119.9+6240	139.57	51.39	201	39	II:	72		0	6	17.6
1222	1117.7+4726	1120.5+4709	158.58	63.18	240	173	II	75		0	5	16.6
1223	1118.0+4611	1120.8+4554	160.68	64.02	239	106		43		0	0	17.2
1224	1118.2+3642	1120.9+3625	181.43	68.70	161	240	II	62	0.2897	1	6	17.8
1225	1118.5+5402	1121.3+5345	148.73	58.62	255	206	III	43	0.1033	0	3	15.4
1226	1118.3+3359	1121.0+3342	188.74	69.47	159	94		43		0	0	17.2
1227	1118.8+4818	1121.6+4801	156.87	62.75	229	219	II-III	112	0.1120	2	5	16.6
1228	1118.8+3436	1121.5+3419	186.96	69.43	153	127	II-III	50	0.0350	1	1	13.8
1229	1119.3+4625	1122.1+4608	159.94	64.05	227	118	II-III	72		0	6	17.8
1230	1119.0+2236	1121.6+2219	221.28	69.08	192	136	III	57		0	5	17.2
1231	1119.5+4959	1122.3+4942	154.07	61.68	221	309	II:	45		0	5	17.0
1232	1119.5+1810	1122.1+1753	232.43	67.45	140	211	II	70	0.1676	1	6	17.4
1233	1119.3-1840	1121.8-1856	275.27	39.07	139	166		60		1	0	17.6
1234	1119.8+2140	1122.4+2123	223.91	68.95	183	85	III	88	0.1663	2	6	17.3
1235	1120.3+1954	1122.9+1937	228.52	68.39	130	304	II:	122	0.1042	2	5	17.0
1236	1120.2+0044	1122.8+0027	260.67	55.88	128	241		49		0	0	17.2
1237	1120.7+4307	1123.4+4250	165.88	66.22	312	265	III	56		0	6	17.3
1238	1120.4+0122	1123.0+0105	260.06	56.41	125	275	III	63	0.0716	1	4	16.0
1239	1121.1+6025	1124.0+6008	141.22	53.77	70	227		47		0	0	17.5
1240	1120.8+4323	1123.5+4306	165.31	66.08	310	280	III	102		0	5	17.2
1241	1120.7+2729	1123.4+2712	207.63	70.43	177	68	II	50		0	6	17.6
1242	1120.6+1714	1123.2+1657	234.88	67.22	126	161	II-III	58		0	5	17.2
1243	1121.1+1828	1123.7+1811	232.20	67.92	120	228	III	55		0	6	17.3
1244	1121.5+4541	1124.2+4524	160.70	64.80	207	79		45		0	0	17.6
1245	1121.3+3234	1124.0+3217	192.44	70.36	169	340		41		0	0	17.2
1246	1121.2+2142	1123.8+2125	224.14	69.27	164	89	II-III:	136	0.216	3	6	17.6
1247	1121.4+2017	1124.0+2000	227.85	68.78	116	325	III:	72		0	5	17.2
1248	1121.2-0356	1123.7-0412	265.55	52.18	113	312		34		0	0	17.0
1249	1122.4+6818	1125.4+6801	134.57	47.11	168	326	II-III:	77		0	5	17.2
1250	1122.2+4155	1124.9+4138	168.03	67.11	300	201	II-III	71		0	5	17.0
1251	1122.1+1746	1124.7+1729	234.14	67.80	107	190	III	57		0	6	17.5
1252	1121.9-0831	1124.4-0847	269.50	48.35	104	66	II-III	61		0	5	17.2
1253	1122.5+4246	1125.2+4229	166.14	66.69	295	246		46		0	0	17.3
1254	1123.8+7121	1126.9+7104	132.38	44.47	180	168	III	58	0.0628	3	5	17.0
1255	1124.4+7545	1127.6+7528	129.72	40.53	65	88	III	77		0	5	16.7
1256	1122.9-1602	1125.4-1618	274.77	41.81	93	307	II-III	59		0	6	17.7
1257	1123.4+3536	1126.1+3519	183.42	70.05	104	181	III	42	0.0339	0	3	15.0
1258	1123.4+2542	1126.0+2525	213.19	70.81	140	302	III	65		0	5	17.2
1259	1123.6+0532	1126.2+0515	256.27	60.16	82	177	II-III	100		0	6	18.0
1260	1123.8+0220	1126.4+0203	260.23	57.70	79	327	III:	90		0	6	17.5
1261	1124.8+4836	1127.5+4819	154.89	63.27	176	235	II-III:	59		0	5	17.2
1262	1124.4+1054	1127.0+1037	248.60	64.17	73	144	III	96		0	6	17.3
1263	1124.3-0931	1126.8-0947	271.00	47.76	73	13	III	50		0	6	17.7
1264	1124.6+1725	1127.2+1708	235.74	68.13	75	172	III:	99	0.1267	2	5	17.1
1265	1125.4+4137	1128.1+4120	167.84	67.77	269	183	III	59		0	6	17.8
1266	1125.4+3651	1128.1+3634	179.58	70.00	83	249		37		0	0	17.2
1267	1125.3+2708	1127.9+2651	208.98	71.42	121	49		37	0.0321	0	3	15.4
1268	1125.8+2408	1128.4+2351	218.23	71.01	110	218	II	57		0	5	17.2
1269	1126.4+3425	1129.1+3408	186.27	70.99	70	119	III	54		0	6	17.5
1270	1126.7+5420	1129.5+5403	146.56	59.15	190	221	III	40	0.0689	0	3	15.4
1271	1126.4-0919	1128.9-0935	271.54	48.19	45	23	II	73		0	6	17.7
1272	1127.0+2404	1129.6+2347	218.64	71.26	97	215	II	102		0	5	17.2
1273	1126.8-0646	1129.3-0702	269.80	50.47	39	160	III	68		0	6	17.6
1274	1127.1+2010	1129.7+1953	229.73	69.95	45	319	II-III	58		0	5	17.2
1275	1127.3+3657	1130.0+3640	178.88	70.31	63	255	III	45	0.0603	0	4	15.7
1276	1127.4+3318	1130.1+3301	189.47	71.47	57	59	III	54		0	6	17.6
1277	1127.4+1311	1130.0+1254	245.66	66.23	34	267	I	62		0	6	17.8
1278	1127.6+2045	1130.2+2028	228.30	70.30	86	37	III	151	0.129	3	6	17.3
1279	1128.3+6730	1131.2+6713	134.40	48.08	138	283		32		0	0	16.5
1280	1127.8+3457	1130.5+3440	184.44	71.11	55	147	II	63		0	6	17.5
1281	1127.8+3339	1130.5+3322	188.34	71.47	53	78	II:	61		0	6	17.6
1282	1128.0+4016	1130.7+3959	170.23	68.91	244	110	III	53		0	6	17.6
1283	1128.4+6102	1131.2+6045	139.39	53.73	305	263	III	54	0.1434	1	5	17.2
1284	1128.2+3519	1130.9+3502	183.29	71.07	51	167	III	62		0	6	17.5
1285	1127.9-1417	1130.4-1433	275.22	43.91	28	78	II-III	66		0	5	17.0
1286	1128.2+2238	1130.8+2221	223.14	71.11	80	139	III	60		0	6	17.6
1287	1128.9+6703	1131.8+6646	134.63	48.51	134	259		39		0	0	17.0
1288	1128.2+0615	1130.8+0558	257.11	61.44	21	216	III	127		0	6	17.6
1289	1128.8+6102	1131.6+6045	139.32	53.76	303	263		41		0	0	17.0
1290	1128.6+3352	1131.3+3335	187.54	71.58	45	90	III	73		0	6	17.5
1291	1129.3+5618	1132.1+5601	143.78	57.78	170	326	III	61	0.0530	1	3	15.4
1292	1129.1+3606	1131.8+3549	180.84	70.97	43	210	III	104	0.2319	2	6	17.5
1293	1129.2+3920	1131.9+3903	172.17	69.58	232	60	III	64		0	6	17.8
1294	1129.5+5431	1132.3+5414	145.71	59.25	169	230		40		0	0	18.0
1295	1129.1-0715	1131.6-0731	270.95	50.32	328	134	II-III:	61		0	5	17.1
1296	1129.2-0453	1131.7-0509	269.14	52.40	327	261		36		0	0	17.0
1297	1130.6+7630	1133.7+7613	128.87	40.00	51	131		37		0	0	16.1
1298	1129.8+4505	1132.5+4448	159.53	66.30	129	46	II-III:	63		0	5	17.0
1299	1129.7+3415	1132.4+3358	186.17	71.69	33	111	II-III:	104	0.2247	2	6	17.5
1300	1129.5-1937	1132.0-1953	278.60	39.20	315	114		62		1	0	17.6

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1301	1130.8+7520	1133.9+7503	129.46	41.07	40	70		36		0	0	16.5
1302	1130.5+6641	1133.4+6624	134.68	48.90	125	240	II:	85		0	5	16.7
1303	1130.1+3704	1132.8+3647	177.88	70.78	34	262	III	62		0	6	18.0
1304	1130.1+3544	1132.8+3527	181.67	71.29	31	190	II-III	80	0.2131	2	6	17.5
1305	1130.3+3503	1133.0+3446	183.64	71.56	28	154		36		0	0	17.2
1306	1130.5+4653	1133.2+4636	156.13	65.16	124	143		34		0	0	17.6
1307	1130.2+1448	1132.8+1431	243.52	67.77	310	32	II	71		0	5	16.8
1308	1130.3-0342	1132.9-0358	268.55	53.57	313	2	II-III	37	0.0481	0	4	15.7
1309	1130.5-1134	1133.0-1150	274.37	46.63	307	224	III	80		0	5	17.0
1310	1131.1+4007	1133.8+3950	169.71	69.49	212	102	II-III	78		0	6	17.8
1311	1130.7-2346	1133.2-2402	280.89	35.46	37	207		58		1	0	17.4
1312	1131.5+5020	1134.2+5003	150.54	62.73	118	328	III	53		0	6	17.6
1313	1131.6+1721	1134.2+1704	238.34	69.52	291	168	III	64		0	5	17.2
1314	1132.1+4919	1134.8+4902	151.84	63.57	112	274	III	44	0.0341	0	1	13.9
1315	1133.2+7212	1136.1+7155	130.94	44.02	141	214		35		0	0	16.5
1316	1132.9+3740	1135.6+3723	175.49	71.01	300	294		47		0	0	17.6
1317	1132.6-1315	1135.1-1331	276.07	45.33	279	134	I-II:	82		0	5	16.5
1318	1133.7+5514	1136.4+5457	143.94	59.01	137	269	II	56	0.0566	1	3	15.0
1319	1133.6+4021	1136.3+4004	168.40	69.76	187	114	III	104		0	6	17.8
1320	1133.3-0532	1135.8-0548	271.12	52.33	272	227		40		0	0	17.6
1321	1133.9+4821	1136.6+4804	152.79	64.49	95	222		45		0	0	17.8
1322	1134.2+6330	1137.0+6313	136.42	51.91	97	70		45	0.0104	0	5	17.2
1323	1133.7-0745	1136.2-0801	272.90	50.41	266	108	III	50		0	5	17.2
1324	1134.4+5722	1137.1+5705	141.60	57.26	278	64	III	58		0	5	17.0
1325	1134.1+0728	1136.7+0711	257.87	63.32	262	281	II-III	63		0	5	17.2
1326	1134.4+4027	1137.1+4010	167.91	69.83	179	119	III	80		0	6	17.8
1327	1134.4+2648	1137.0+2631	210.78	73.40	322	33	II:	54		0	6	17.5
1328	1134.9+3739	1137.6+3722	174.97	71.37	279	292	III	53		0	5	17.2
1329	1135.7+7124	1138.6+7107	131.14	44.83	129	171	I-II	59		0	5	16.5
1330	1135.7+4948	1138.4+4931	150.13	63.57	82	300		38		0	0	17.8
1331	1136.0+6352	1138.8+6335	135.86	51.68	88	90	II-III	93		0	6	17.6
1332	1135.5-0904	1138.0-0920	274.42	49.42	242	37		46		0	0	16.0
1333	1136.6+5009	1139.3+4952	149.39	63.39	75	319		49		0	0	17.4
1334	1136.3-0402	1138.9-0418	271.04	54.00	232	307		39	0.0555	0	4	15.7
1335	1137.3+6825	1140.1+6808	132.68	47.62	95	334	II-III	51		0	5	17.2
1336	1136.8+3241	1139.4+3224	189.92	73.53	286	348	III	46		0	4	16.0
1337	1136.8+1026	1139.4+1009	254.50	65.99	226	119	III	50	0.0826	1	5	17.2
1338	1137.8+1831	1140.4+1814	237.74	71.39	211	230		39		0	0	16.9
1339	1138.7+7321	1141.6+7304	129.81	43.11	122	276		47		0	0	17.4
1340	1138.2+4509	1140.9+4452	156.81	67.33	49	52		45		0	0	17.2
1341	1138.0+1040	1140.6+1023	254.65	66.37	210	131	III	56		0	6	17.6
1342	1138.1+1021	1140.7+1004	255.22	66.15	209	114	III	53	0.1061	1	5	17.2
1343	1138.6+6056	1141.3+6039	137.63	54.43	240	254		32	0.0318	0	5	17.2
1344	1138.3-1027	1140.8-1043	276.25	48.45	205	285	II-III:	51		0	5	16.6
1345	1138.6+1058	1141.2+1041	254.41	66.69	202	147	III:	71	0.1095	1	5	17.2
1346	1138.6+0558	1141.2+0541	261.85	62.81	202	201	II-III	59	0.0970	1	5	16.8
1347	1138.5-2514	1141.0-2530	283.55	34.70	261	129		65		1	0	17.0
1348	1138.7-1205	1141.2-1221	277.36	46.99	200	197	III	99		0	5	17.0
1349	1139.4+5538	1142.1+5521	142.20	59.10	94	291	II-III	66		0	5	16.9
1350	1139.2+2452	1141.8+2435	218.25	74.14	266	250		37		0	0	17.6
1351	1139.8+5849	1142.5+5832	139.15	56.37	236	140	I-II	96		0	6	17.8
1352	1139.4-2111	1141.9-2127	282.11	38.58	190	31		64		1	0	17.8
1353	1139.5+2519	1142.1+2502	216.69	74.31	266	275	II-III	51		0	6	17.6
1354	1139.6+1026	1142.2+1009	255.77	66.46	189	118	III	57	0.1178	1	5	17.2
1355	1140.1+4211	1142.7+4154	162.06	69.62	122	213	III	62		0	6	17.6
1356	1139.9+1043	1142.5+1026	255.43	66.72	185	134	II-III:	77	0.0698	1	5	17.2
1357	1140.3+6134	1143.0+6117	136.83	53.96	227	287		48		0	0	16.9
1358	1140.2+0830	1142.8+0813	259.07	65.07	181	336	II:	56		0	5	17.0
1359	1140.8+6156	1143.5+6139	136.47	53.65	223	307		30	0.0783	0	5	17.2
1360	1140.5+1118	1143.1+1101	254.71	67.25	177	165	III	66	0.1535	1	5	17.2
1361	1141.1+4638	1143.8+4621	153.30	66.58	26	133	I-II	57		0	6	17.4
1362	1141.0+0746	1143.6+0729	260.50	64.61	170	297		44		0	0	16.0
1363	1141.3+4401	1143.9+4344	157.89	68.53	112	311		41		0	0	17.2
1364	1141.1-0129	1143.7-0145	270.78	56.82	169	121	III	74	0.1070	1	4	16.0
1365	1141.8+3111	1144.4+3054	194.50	74.88	231	266	III	51	0.0763	1	4	15.7
1366	1142.2+6742	1145.0+6725	132.47	48.46	68	298	II-III	16		0	5	16.8
1367	1141.9+2007	1144.5+1950	234.81	73.03	159	316	II-III:	117	0.0215	2	1	13.5
1368	1142.3+5132	1145.0+5115	145.99	62.79	62	73	II-III	78		0	5	16.9
1369	1142.2+4238	1144.8+4221	160.36	69.61	101	237		46		0	0	17.2
1370	1142.5+4937	1145.2+4920	148.40	64.38	314	293	II-III	51		0	6	17.6
1371	1142.9+1549	1145.5+1532	246.71	70.80	146	85	III	55		0	5	16.6
1372	1142.9+1148	1145.5+1131	254.96	68.01	145	192	I-II:	70	0.1126	1	5	17.2
1373	1142.9-0207	1145.5-0223	272.04	56.47	145	87	III	94	0.1314	2	5	17.2
1374	1143.3+5001	1146.0+4944	147.62	64.13	306	314	III	54		0	6	17.4
1375	1143.5-0758	1146.1-0814	276.52	51.24	136	96		48		0	0	16.6
1376	1143.7-0048	1146.3-0104	271.25	57.73	134	157	III	50		0	5	16.6
1377	1144.3+5601	1147.0+5544	140.67	59.12	58	314	III	59	0.0514	1	3	15.0
1378	1144.2+2347	1146.8+2330	223.30	74.96	205	191	III	62		0	6	17.5
1379	1144.5+0814	1147.1+0757	261.48	65.51	124	322		37		0	0	17.0
1380	1144.9+2541	1147.5+2524	216.19	75.57	196	293	III	76		0	5	16.6
1381	1145.7+7530	1148.5+7513	128.22	41.25	286	77	II-III	92		0	5	17.0
1382	1145.6+7143	1148.4+7126	129.95	44.82	88	191	II:	57	0.1053	1	4	15.9
1383	1145.5+5454	1148.2+5437	141.44	60.17	46	254	III	54	0.0603	1	4	15.7
1384	1145.4+2250	1148.0+2233	227.10	74.91	190	140	III	53		0	5	17.2
1385	1145.5+1150	1148.1+1133	256.18	68.46	111	194	III	52	0.0831	1	5	17.2
1386	1145.8-0140	1148.4-0156	272.85	57.20	106	111	I-II:	66		0	5	17.2
1387	1146.2+5154	1148.8+5137	144.44	62.81	31	94	III	79		0	5	17.0
1388	1146.4+2240	1149.0+2223	228.02	75.06	178	131	III	58		0	6	17.3
1389	1146.8-0106	1149.4-0122	272.80	57.81	93	141	III	40		0	5	16.6
1390	1147.0+1232	1149.6+1215	255.65	69.23	92	231	II-III	31		0	4	16.0
1391	1147.2-1201	1149.8-1217	280.17	47.83	88	200	I	90		0	6	18.0
1392	1148.0-0018	1150.6-0034	272.63	58.66	77	184		46	0.0382	0	5	16.6
1393	1148.2+4717	1150.8+4700	149.88	66.83	269	166		49		0	0	17.8
1394	1148.5+4240	1151.1+4223	157.91	70.41	40	241	II-III:	78		0	6	17.3
1395	1148.3-0812	1150.9-0828	278.42	51.49	72	83		44		0	0	17.5
1396	1148.6+5508	1151.2+5451	140.43	60.18	311	268		43	0.0441	0	5	17.2
1397	1148.6+3348	1151.2+3331	183.07	75.53	132	85		45		0	0	17.7
1398	1148.4-0723	1151.0-0739	277.96	52.25	71	127	III	50		0	6	17.8
1399	1148.6-0249	1151.2-0305	274.91	56.46	69	49	III	82	0.0913	2	4	16.0
1400	1148.8+5523	1151.4+5506	140.15	59.97	308	281		38	0.0778	0	5	17.2

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1401	1149.5+3733	1152.1+3716	170.21	73.90	124	286	III	153	0.1648	3	5	17.0
1402	1149.9+6042	1152.5+6025	135.65	55.23	166	240		34		0	0	17.2
1403	1149.7+2840	1152.3+2823	204.01	76.86	139	131	III	50		0	6	17.6
1404	1149.8-0232	1152.4-0248	275.19	56.84	53	65		39		0	0	16.6
1405	1149.9+2734	1152.5+2717	208.86	76.90	136	72	II-III	50		0	6	17.6
1406	1150.6+6810	1153.3+6753	131.11	48.31	281	323	II:	69		0	5	17.2
1407	1151.0-0128	1153.6-0144	274.87	57.94	37	122	II	56		0	5	17.0
1408	1151.2+1540	1153.8+1523	251.25	72.19	39	78	II-III	72		0	5	16.9
1409	1151.5+4921	1154.1+4904	145.89	65.42	236	276	III	54		0	5	17.2
1410	1151.4+3800	1154.0+3743	168.10	73.94	103	310		38		0	0	17.6
1411	1152.7-0015	1155.3-0031	274.63	59.22	14	187	III:	69		0	6	17.5
1412	1153.1+7345	1155.8+7328	128.32	43.07	70	302	III	86	0.0839	2	4	15.9
1413	1152.8+2339	1155.4+2322	226.36	76.79	100	184	I	196	0.1427	3	5	17.1
1414	1152.9+1634	1155.5+1617	249.97	73.10	18	127	III:	53		0	5	17.2
1415	1153.2+5809	1155.8+5752	136.79	57.74	142	103	III	66		0	5	17.0
1416	1153.3+1103	1155.9+1046	261.64	69.06	324	153	III	52		0	6	17.6
1417	1153.5+3453	1156.1+3436	177.33	75.98	78	143	III:	50		0	6	17.6
1418	1153.4-1822	1156.0-1838	285.06	42.29	318	181		48		0	0	17.4
1419	1153.7+0002	1156.3-0014	274.85	59.58	322	203	II-III	73		0	5	17.0
1420	1154.0+2622	1156.6+2605	214.68	77.70	87	330	III	57		0	5	17.2
1421	1154.4+6815	1157.0+6758	130.57	48.34	263	326	III	65		0	5	17.2
1422	1154.6-0645	1157.2-0701	279.95	53.40	309	161		48		0	0	17.8
1423	1154.8+3356	1157.4+3339	180.39	76.66	62	93	II-III:	63		0	5	16.5
1424	1155.0+0519	1157.6+0502	270.40	64.45	304	166	III	52		0	5	16.6
1425	1155.6+2640	1158.2+2623	213.47	78.09	68	346	III	63		0	5	17.2
1426	1155.7-1243	1158.3-1259	283.43	47.85	293	163	III	50		0	5	17.2
1427	1155.8+3059	1158.4+3042	192.68	77.86	70	256	II-III:	68		0	5	17.0
1428	1155.8+1008	1158.4+0951	264.50	68.67	291	104	III	50		0	6	17.8
1429	1156.5+3602	1159.1+3545	171.97	75.91	47	206		39		0	0	17.6
1430	1156.9+5004	1159.5+4947	143.22	65.24	189	313	III	96	0.2105	2	6	17.6
1431	1156.9+3027	1159.5+3010	194.93	78.21	57	228	II:	65		0	5	17.2
1432	1157.1+6823	1159.7+6806	130.15	48.29	249	332		43		0	0	17.7
1433	1157.1+2609	1159.7+2552	216.21	78.35	49	319	III	63		0	5	17.1
1434	1157.7-0654	1200.3-0710	281.25	53.52	268	153		34		0	0	17.2
1435	1157.8+1058	1200.4+1041	264.33	69.63	265	148	III	42		0	5	17.0
1436	1157.9+5632	1200.5+5615	136.90	59.47	237	339	III	69	0.0646	1	3	15.4
1437	1157.9+0337	1200.5+0320	273.62	63.27	265	75	I-II:	154	0.1339	3	5	17.2
1438	1158.1+2958	1200.7+2941	197.05	78.55	42	202	III	58		0	6	17.5
1439	1158.2+5044	1200.8+5027	142.05	64.75	177	349		30		0	0	17.2
1440	1158.1-2306	1200.7-2322	288.10	38.03	20	242		49		0	0	17.6
1441	1158.3+3551	1200.9+3534	171.75	76.31	27	197	II-III	56		0	5	17.2
1442	1158.5+1529	1201.1+1512	255.91	73.29	254	68	III	77		0	5	17.0
1443	1158.9+2322	1201.5+2305	229.85	77.99	25	170	III	63		0	6	17.8
1444	1159.1+3018	1201.7+3001	195.18	78.70	31	220	III	106		0	5	17.0
1445	1159.2+0007	1201.8-0009	277.29	60.21	248	207	III	81		0	6	17.6
1446	1159.3+5818	1201.9+5801	135.29	57.90	99	113	II-III	85	0.1028	2	5	17.0
1447	1159.5+2406	1202.1+2349	226.74	78.38	18	209	III	73		0	6	17.4
1448	1200.4-0633	1203.0-0649	282.13	54.07	232	172	II-III:	70		0	5	16.6
1449	1200.5+2851	1203.1+2834	202.45	79.21	316	143	III	72		0	5	17.2
1450	1200.5-2302	1203.1-2318	288.76	38.22	313	246		107		2	0	17.6
1451	1200.7-2114	1203.3-2130	288.26	39.98	225	28	III	131		0	6	17.3
1452	1201.1+5201	1203.6+5144	139.82	63.80	219	97		46	0.0631	0	4	15.7
1453	1201.1-0422	1203.7-0438	281.18	56.19	223	289		43		0	0	17.8
1454	1201.3+5118	1203.8+5101	140.44	64.46	218	58	II-III	52		0	5	17.2
1455	1201.3+2816	1203.9+2759	205.54	79.42	308	111	II	91		0	5	17.2
1456	1201.3+0431	1203.9+0414	274.48	64.45	220	123	III	75		0	5	17.0
1457	1201.6+5242	1204.1+5225	139.03	63.20	214	133		42		0	0	17.2
1458	1201.6-0447	1204.2-0503	281.63	55.84	216	267		48		0	0	17.3
1459	1201.7+0247	1204.3+0230	276.30	62.91	215	30	III	60		0	5	17.0
1460	1202.0+5334	1204.5+5317	138.16	62.43	210	179	III	56		0	6	18.0
1461	1202.1+4248	1204.6+4231	151.69	71.90	199	245	II-III:	40		0	5	16.6
1462	1202.2+1520	1204.8+1503	258.62	73.76	206	59	III	58		0	5	17.2
1463	1202.2+0413	1204.8+0356	275.24	64.27	208	107	III	69		0	5	17.2
1464	1202.3+2700	1204.9+2643	212.54	79.61	298	43	III	58		0	6	18.0
1465	1202.4+3224	1205.0+3207	183.84	78.74	290	332	III	59		0	6	17.8
1466	1202.4+2254	1205.0+2237	233.56	78.54	301	145	II	58		0	5	17.2
1467	1202.9+7253	1205.4+7236	127.70	44.09	287	256		48		0	0	17.4
1468	1203.1+5142	1205.6+5125	139.47	64.21	203	79	I:	50	0.0844	1	4	16.0
1469	1203.2-0650	1205.8-0706	283.41	54.02	195	157	III	84		0	5	17.2
1470	1204.4+7155	1206.9+7138	127.88	45.06	287	204	III	93		0	6	17.4
1471	1204.9+5253	1207.4+5236	137.85	63.23	187	143		33		0	0	17.8
1472	1205.1+3105	1207.6+3048	189.34	79.75	260	261	II:	88		0	6	17.8
1473	1205.3+3053	1207.8+3036	190.34	79.85	257	250	III	61		0	6	17.8
1474	1205.4+1514	1208.0+1457	261.02	74.17	165	54	III	70	0.0791	1	4	16.0
1475	1205.6+2441	1208.1+2424	226.15	79.88	260	240	III	56		0	6	17.8
1476	1205.7+3115	1208.2+3058	188.22	79.81	253	270	III	77		0	6	17.6
1477	1206.4+6421	1208.9+6404	130.55	52.42	208	114	II	71		0	6	18.0
1478	1208.0+3050	1210.5+3033	189.58	80.41	238	247	III	94		0	6	17.8
1479	1207.5-1633	1210.1-1649	288.90	44.91	139	279		37		0	0	17.7
1480	1208.2+3108	1210.7+3051	187.80	80.36	224	263	III	88		0	5	17.0
1481	1208.3+1609	1210.8+1552	260.96	75.32	127	103	III	77		0	5	17.0
1482	1208.4-0518	1211.0-0534	284.79	55.86	125	239	III:	34		0	5	17.2
1483	1208.4+3534	1210.9+3517	167.11	78.11	219	179		42		0	0	17.6
1484	1208.7+7222	1211.1+7205	127.28	44.70	267	226	II:	58		0	6	17.4
1485	1208.9-0336	1211.5-0352	284.13	57.53	118	7		35		0	0	17.6
1486	1209.3+3051	1211.8+3034	188.94	80.67	212	248		43		0	0	17.2
1487	1209.3+3016	1211.8+2959	192.41	80.85	212	217	I-II	97		0	6	17.8
1488	1209.9-1132	1212.5-1148	288.03	49.93	106	226	III	97		0	6	17.8
1489	1210.0+2746	1212.5+2729	208.32	81.35	205	83	II:	99		0	6	17.8
1490	1210.0+1854	1212.5+1837	254.46	77.66	106	251	III	50		0	6	17.5
1491	1210.4+0810	1213.0+0753	275.82	68.71	99	319		40		0	0	17.2
1492	1210.5+3427	1213.0+3410	170.12	79.15	197	119	III	51		0	5	17.2
1493	1210.7+0619	1213.3+0602	277.93	67.04	95	219	III	64		0	5	17.2
1494	1210.7+2413	1213.2+2356	231.14	80.81	198	214	III:	55		0	6	17.6
1495	1210.9+2931	1213.4+2914	196.58	81.37	194	176	III	123	0.1429	2	5	17.0
1496	1210.9+5933	1213.4+5916	131.91	57.19	317	184	III	58	0.0941	1	4	16.0
1497	1211.6+2656	1214.1+2639	214.07	81.67	186	38	II-III:	101	0.1669	2	6	17.8
1498	1211.7+3156	1214.2+3139	181.53	80.72	184	306	II:	76		0	6	17.6
1499	1211.7+1502	1214.2+1445	266.09	74.90	83	44	III	58		0	5	16.6
1500	1211.5+7440	1213.8+7423	126.36	42.49	245	348		44		0	0	15.6

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1501	1211.7+6330	1214.1+6313	129.97	53.39	178	68	III	57		0	5	17.2
1502	1212.6-0757	1215.2-0813	287.71	53.57	70	97	III	52		0	5	17.2
1503	1212.7+1943	1215.2+1926	253.83	78.68	72	295		41		0	0	17.2
1504	1212.8+2748	1215.3+2731	208.06	81.97	172	84	I-II	98	0.1836	2	6	17.6
1505	1213.1+1858	1215.6+1841	256.78	78.21	67	255	I-II:	55		0	6	17.5
1506	1213.3+3203	1215.8+3146	179.89	80.97	166	312	II-III	68		0	6	18.0
1507	1213.4+6015	1215.8+5958	131.02	56.59	298	220	III	39	0.0592	0	4	15.8
1508	1213.6+1746	1216.1+1729	260.90	77.38	60	191	I	53		0	5	17.2
1509	1213.8+3554	1216.3+3537	162.16	78.68	161	197		45		0	0	17.0
1510	1214.0+2728	1216.5+2711	210.50	82.24	157	67	II-III	80		0	6	18.0
1511	1214.2-1858	1216.8-1914	291.75	42.87	54	149		41		0	0	17.4
1512	1214.4+4530	1216.9+4513	141.55	70.64	26	72	III	70		0	6	17.8
1513	1214.7+7306	1217.0+7249	126.47	44.07	240	264		38		0	0	17.1
1514	1215.4+2056	1217.9+2039	251.37	79.98	139	38	III	132	0.1995	3	6	17.6
1515	1216.2+2815	1218.7+2758	204.42	82.70	132	109	III	81		0	6	17.6
1516	1216.4+0531	1219.0+0514	282.03	66.78	19	177	II-III	50		0	5	16.6
1517	1216.6-0444	1219.2-0500	288.10	56.93	15	269	II-III:	35		0	5	16.6
1518	1216.6+6347	1219.0+6330	128.98	53.24	148	84		44		0	0	17.0
1519	1216.8+2712	1219.3+2655	212.76	82.85	124	52	III	74		0	6	17.5
1520	1217.0-1259	1219.6-1315	291.11	48.88	328	148		45		0	0	16.8
1521	1217.0-1325	1219.6-1341	291.23	48.45	327	124	III	65		0	5	16.8
1522	1217.4+4928	1219.9+4911	136.29	67.11	304	284	III	61		0	6	17.8
1523	1218.7+0625	1221.3+0608	282.71	67.82	306	225		36		0	0	17.2
1524	1219.2+0807	1221.7+0750	281.54	69.47	299	316	II-III	103	0.1369	2	5	17.2
1525	1219.5-0052	1222.1-0108	287.73	60.86	298	154	II-III	186	0.259	3	6	18.0
1526	1219.6+1401	1222.1+1344	274.42	74.96	291	311	III	62		0	5	16.6
1527	1220.3+1230	1222.8+1213	277.33	73.66	283	229		34		0	0	17.2
1528	1220.5+5911	1222.9+5854	129.86	57.84	253	160	III	75		0	6	17.8
1529	1220.9+6130	1223.3+6113	128.93	55.58	245	284		43		0	0	18.0
1530	1220.3+0222	1222.9+0205	286.44	64.04	274	328	II	151		0	6	17.8
1531	1221.7+5759	1224.1+5742	130.04	59.04	248	96	III	68		0	6	17.8
1532	1221.9+2104	1224.4+2047	257.28	81.16	58	46	II-III:	61		0	6	17.3
1533	1222.0+0111	1224.6+0054	288.01	63.00	264	265	III	119	0.2319	2	6	18.0
1534	1221.7+6147	1224.1+6130	128.67	55.32	239	299		30		0	0	17.0
1535	1222.8-1523	1225.4-1539	293.77	46.75	251	20	III	50		0	5	16.6
1536	1222.8+7724	1224.9+7707	124.87	39.91	164	170	II-III:	62		0	5	16.9
1537	1224.0-2533	1226.6-2549	295.97	36.71	26	111		53		1	0	17.6
1538	1223.9+5710	1226.3+5653	129.79	59.90	234	51	II-III:	50		0	6	18.0
1539	1224.0+6250	1226.3+6233	127.90	54.33	103	34	III	96		0	5	17.2
1540	1224.6+0430	1227.2+0413	287.68	66.37	228	122	III:	86		0	6	17.8
1541	1224.9+0907	1227.4+0850	284.59	70.85	223	48	I-II	58	0.0892	1	4	16.0
1542	1225.2+4943	1227.6+4926	132.98	67.22	235	295	II-III	73		0	5	17.2
1543	1225.3+3039	1227.8+3022	179.50	83.89	27	239		40		0	0	17.2
1544	1225.4+6342	1227.7+6325	127.40	53.50	96	81	II:	62	0.0586	0	5	17.2
1545	1225.8+4741	1228.2+4724	134.06	69.22	233	186	II:	53		0	6	17.8
1546	1225.7+6453	1228.0+6436	127.05	52.33	98	145	III	86		0	6	18.0
1547	1226.1+2702	1228.6+2645	215.81	84.90	322	45	III	66		0	5	17.2
1548	1226.5+1942	1229.0+1925	268.03	80.74	201	293	I-II	155	0.1611	3	6	17.5
1549	1226.5+2913	1229.0+2856	191.54	84.73	314	162		39		0	0	17.3
1550	1226.8+4759	1229.2+4742	133.40	68.97	223	202	III	167	0.254	3	6	17.8
1551	1227.2+3656	1229.7+3639	147.42	79.41	316	255	III	50		0	5	17.2
1552	1227.3+1201	1229.8+1144	283.65	73.80	191	203	II	75	0.0837	1	5	16.6
1553	1228.3+1051	1230.8+1034	285.63	72.75	178	141	III	100	0.1652	2	6	17.8
1554	1228.5+1614	1231.0+1557	278.93	77.87	176	108	II-III:	62		0	6	17.6
1555	1229.4-1307	1232.0-1323	295.69	49.21	165	142	III	58		0	5	17.2
1556	1230.7-2144	1233.3-2200	297.40	40.67	151	1		31		0	0	17.6
1557	1230.3+6307	1232.6+6250	126.62	54.15	65	52	III	89		0	6	18.0
1558	1231.4-1318	1234.0-1334	296.46	49.08	139	132	III	36		0	5	17.2
1559	1230.9+6723	1233.1+6706	125.71	49.92	78	280	II	50	0.1042	1	5	17.2
1560	1231.6+1527	1234.1+1510	283.45	77.39	135	66		123		2	0	18.1
1561	1231.0+6938	1233.1+6921	125.33	47.69	177	75		31		0	0	17.4
1562	1231.8+4127	1234.2+4110	135.99	75.51	200	173	II-III:	77	0.19	1	6	17.9
1563	1231.8+5420	1234.1+5403	128.51	62.88	270	222	III	50		0	6	17.6
1564	1232.4+0207	1235.0+0150	293.37	64.41	125	315	III:	33		0	5	16.6
1565	1232.8+4138	1235.2+4121	135.08	75.39	190	183	III	85		0	6	17.6
1566	1232.8+6439	1235.0+6422	125.87	52.66	57	135	III	91		0	5	16.9
1567	1233.6+2701	1236.1+2644	218.51	86.55	232	43		35		0	0	17.2
1568	1233.5+5341	1235.8+5324	128.17	63.56	258	187	III	56		0	6	17.8
1569	1233.8+1652	1236.3+1635	283.78	78.90	108	142		40	0.0784	0	5	17.2
1570	1233.9+2005	1236.4+1948	276.94	81.91	108	314	II-III:	78		0	6	17.8
1571	1231.5+8337	1232.7+8320	123.59	33.76	175	182	III	190	0.209	3	6	17.6
1572	1234.1-1425	1236.7-1441	297.61	48.03	104	72	II-III	63		0	6	17.3
1573	1234.1-1440	1236.7-1456	297.64	47.78	104	58		43		0	0	17.3
1574	1234.3-1026	1236.9-1042	297.13	52.00	101	285	III	48		0	5	16.8
1575	1234.8+2705	1237.3+2648	217.92	86.83	218	46		47		0	0	17.8
1576	1234.6+6328	1236.8+6311	125.73	53.86	41	73	I	158		0	6	18.0
1577	1235.3-0000	1237.9-0016	295.60	62.40	86	201	III	73		0	6	17.8
1578	1235.7+4320	1238.1+4303	131.73	73.84	161	274		44		0	0	17.2
1579	1235.7+6607	1237.9+6550	125.16	51.23	47	215		40		0	0	17.6
1580	1235.3+7812	1237.0+7755	123.91	39.18	130	215	II-III	81		0	6	17.5
1581	1237.2+0301	1239.8+0244	295.90	65.45	59	43	III	50		0	5	17.2
1582	1237.1+5222	1239.4+5205	127.30	64.93	231	115	III	80		0	6	17.8
1583	1237.9-1541	1240.5-1557	299.10	46.83	57	4	I-II:	72		0	6	17.8
1584	1238.2-1818	1240.8-1834	299.43	44.23	55	185	II:	51		0	5	16.9
1585	1238.7-1613	1241.3-1629	299.43	46.31	47	296	II-III	31		0	5	16.9
1586	1238.6+1013	1241.1+0956	294.40	72.64	42	107		34		0	0	18.0
1587	1238.7+2749	1241.2+2732	202.07	87.68	172	85		39		0	0	17.6
1588	1239.0-0431	1241.6-0447	298.30	57.99	37	281		48		0	0	17.2
1589	1239.1+1852	1241.6+1835	287.57	81.17	40	250	II-III:	38	0.0718	0	5	16.6
1590	1238.2+7325	1240.1+7308	124.08	43.96	149	279	II	74		0	5	16.8
1591	1239.1+5011	1241.4+4954	127.09	67.14	116	320	III	121		0	6	17.6
1592	1239.6+3004	1242.0+2947	160.14	86.63	161	206		49		0	0	18.0
1593	1239.6+3335	1242.0+3318	140.55	83.49	183	73		32		0	0	17.2
1594	1239.7+2746	1242.2+2729	202.39	87.91	160	83	II-III:	57		0	6	17.8
1595	1240.0-1609	1242.6-1625	299.87	46.40	30	300	II:	71		0	6	17.7
1596	1239.9+2001	1242.4+1944	286.78	82.33	31	312		48	0.302	0	0	17.8
1597	1239.1+7230	1241.1+7213	124.06	44.88	144	230	I	54		0	6	17.5
1598	1240.0+2923	1242.5+2906	167.42	87.20	157	169		46		0	0	18.0
1599	1240.2+0305	1242.8+0248	297.69	65.59	19	47		35		0	0	17.2
1600	1240.4-1700	1243.0-1716	300.07	45.55	26	254		37		0	0	17.7

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1601	1241.0+0915	1243.5+0858	296.69	71.75	327	55	II	70		0	5	17.2
1602	1241.0+2734	1243.5+2717	207.20	88.22	144	72	I:	59		0	6	17.8
1603	1241.3-1517	1243.9-1533	300.27	47.28	323	24	III	62		0	5	17.2
1604	1241.3-2250	1243.9-2306	300.70	39.73	131	258		63		1	0	17.6
1605	1241.4-2039	1244.0-2055	300.62	41.91	318	58	III	55		0	5	17.0
1606	1242.0-1143	1244.6-1159	300.29	50.85	315	216	III	51		0	5	17.0
1607	1241.0+7625	1242.7+7608	123.63	40.97	106	121	III	82		0	5	16.7
1608	1243.2+3340	1245.6+3323	133.92	83.61	143	77		48		0	0	17.2
1609	1244.0+2642	1246.5+2625	244.88	88.68	109	348	II-III:	56	0.0891	1	5	16.8
1610	1244.7+3018	1247.1+3001	140.74	86.95	102	219	II-III	65		0	5	17.2
1611	1244.8+1911	1247.3+1854	296.10	81.73	272	266	II-III	65		0	6	17.8
1612	1245.1-0232	1247.7-0248	301.06	60.05	276	68		33		0	0	17.6
1613	1245.0+3550	1247.4+3533	128.52	81.52	124	194	II-III:	77		0	6	17.6
1614	1244.3+6957	1246.3+6940	123.60	47.44	116	94	III	51	0.229	0	6	17.5
1615	1245.4+4909	1247.7+4852	124.60	68.24	59	267	II-III:	58		0	6	18.0
1616	1245.4+5519	1247.6+5502	124.10	62.08	164	273	II-III	39	0.0833	0	4	16.0
1617	1245.4+5928	1247.6+5911	123.87	57.93	83	176	III	139	0.152	0	6	17.6
1618	1246.5+1108	1249.0+1051	300.82	73.72	254	156	III	50		0	6	17.5
1619	1246.8+2847	1249.2+2830	142.21	88.53	76	138	II:	55		0	6	17.8
1620	1247.2-0119	1249.8-0135	302.07	61.28	248	129	III	42		0	5	17.2
1621	1246.6+6257	1248.7+6240	123.48	54.45	275	42	III	51		0	5	16.5
1622	1247.3+5006	1249.6+4949	123.71	67.30	46	318	III	96	0.2855	2	6	18.0
1623	1247.4+4800	1249.7+4743	123.77	69.40	39	206	III	65		0	6	17.5
1624	1247.8+0855	1250.3+0838	302.07	71.51	238	37	III	60		0	6	17.8
1625	1248.3-2031	1251.0-2047	302.79	42.08	231	66		45		0	0	17.0
1626	1248.1+3136	1250.5+3119	125.62	85.80	64	289		45		0	0	17.8
1627	1248.6+1336	1251.1+1319	302.60	76.20	227	288		37		0	0	18.0
1628	1248.6+2853	1251.0+2836	126.39	88.51	55	144	II-III	57		0	6	17.4
1629	1249.1+0412	1251.6+0355	303.07	66.80	221	106	III:	53		0	6	17.5
1630	1249.2+0450	1251.7+0433	303.14	67.43	220	140	II-III	54	0.0649	1	5	16.7
1631	1250.2-1510	1252.8-1526	303.44	47.43	208	31	I	34	0.0508	0	3	15.4
1632	1250.6+2905	1253.0+2848	111.28	88.28	32	155	II-III:	80	0.1962	2	5	17.2
1633	1251.3-2607	1254.0-2623	303.65	36.48	12	80		75		1	0	17.6
1634	1251.4-0625	1254.0-0641	304.08	56.18	192	179	III:	66		0	6	17.6
1635	1251.7-0840	1254.3-0856	304.14	53.93	188	58	III	53		0	5	17.2
1636	1251.4+6305	1253.5+6248	122.54	54.31	246	47	III	103		0	6	17.8
1637	1251.7+5105	1253.9+5048	121.95	66.31	110	47	III	60		0	5	17.0
1638	1252.2+1916	1254.7+1859	308.33	81.83	178	269	III	33		0	4	16.0
1639	1252.5+1026	1255.0+1009	305.95	73.01	176	117		49		0	0	17.5
1640	1252.4+6250	1254.5+6233	122.34	54.56	240	33	III	61		0	6	17.8
1641	1253.4+2843	1255.8+2826	86.86	88.36	303	134	II-III	79		0	6	17.6
1642	1253.7+0640	1256.2+0623	306.30	69.24	160	237	III	64		0	6	17.3
1643	1253.6+4421	1255.9+4404	120.19	73.02	275	329	III	50	0.1981	1	6	17.7
1644	1254.6-1705	1257.2-1721	304.92	45.50	152	250	II	68	0.0449	1	4	15.7
1645	1254.7-1436	1257.3-1452	305.07	47.98	150	61	II:	64		0	6	17.8
1646	1253.7+6226	1255.8+6209	122.06	54.96	39	338		30		0	0	16.9
1647	1255.0+2022	1257.5+2005	314.35	82.83	143	328	II	53		0	6	17.8
1648	1256.3-2621	1259.0-2637	305.03	36.22	265	68		68		1	0	16.9
1649	1256.1+1002	1258.6+0945	308.85	72.55	128	96		35		0	0	17.2
1650	1256.2-0129	1258.8-0145	306.73	61.06	128	119	I-II	114	0.0845	2	5	17.0
1651	1256.8-0355	1259.4-0411	306.75	58.63	120	312	I-II	70	0.0825	1	4	16.0
1652	1257.1-1313	1259.7-1329	306.03	49.34	118	135	III	64		0	6	17.4
1653	1257.1+1137	1259.6+1120	310.27	74.10	115	181	II-III	67		0	6	17.7
1654	1257.0+3017	1259.4+3000	92.20	86.63	260	217	I	31		0	5	16.9
1655	1256.3+6539	1258.3+6522	121.79	51.73	212	183	II-III:	111	0.234	0	6	18.0
1656	1257.4+2815	1259.8+2758	58.09	87.96	256	108	II	106	0.0232	2	1	13.5
1657	1257.5+1952	1260.0+1935	317.94	82.22	112	302	II-III	55		0	6	17.5
1658	1258.6-0310	1301.2-0326	307.71	59.35	95	29	II-III	50		0	5	17.2
1659	1259.0+0357	1301.5+0340	309.26	66.43	89	92		44		0	0	17.5
1660	1259.0+5036	1301.2+5019	118.99	66.72	233	341	III	70		0	6	17.8
1661	1259.4+2921	1301.8+2904	74.06	86.99	232	167	III:	97	0.1671	2	6	17.6
1662	1260.0+0835	1302.5+0818	311.39	71.00	77	340	II	59		0	5	17.2
1663	1300.2-0215	1302.8-0231	308.65	60.23	74	78	II:	56		0	5	17.0
1664	1301.0-2357	1303.7-2413	306.51	38.57	209	197		112		2	0	17.3
1665	1300.8+2657	1303.2+2640	23.96	87.34	217	38	III	130		0	6	17.7
1666	1300.6+5210	1302.8+5153	118.77	65.14	39	77	III	54		0	5	16.8
1667	1300.9+3205	1303.3+3148	94.86	84.65	213	313	III:	98	0.1648	2	6	17.6
1668	1301.4+1932	1303.9+1915	323.52	81.64	63	285	II	54		0	5	16.6
1669	1301.8+1921	1304.3+1904	323.71	81.43	57	275	II-III	35		0	6	17.8
1670	1301.9+2036	1304.3+2019	327.11	82.59	57	342	III	58		0	6	17.6
1671	1302.8-2223	1305.5-2239	307.18	40.11	188	281	II-III:	71		0	6	17.4
1672	1302.4+3350	1304.8+3333	99.71	82.95	239	86	II:	53		0	5	17.2
1673	1302.3+5147	1304.5+5130	118.05	65.49	23	88		37		0	0	16.9
1674	1301.7+6746	1303.5+6729	121.16	49.59	181	296	II-III	165	0.1055	3	5	17.2
1675	1302.9+3449	1305.2+3432	102.03	82.01	233	138	II-III	50	0.184	1	5	17.2
1676	1302.7+4803	1304.9+4746	116.56	69.18	203	204		45		0	0	17.5
1677	1303.5+3110	1305.9+3053	83.87	85.08	184	264	II-III	112	0.1832	2	6	17.7
1678	1303.0+6231	1305.0+6214	120.21	54.81	251	338	III	78		0	6	17.4
1679	1304.2+3204	1306.6+3147	88.67	84.29	176	312	III	115	0.1699	2	6	17.5
1680	1304.4+4004	1306.7+3947	109.87	76.94	172	98		47		0	0	17.0
1681	1303.4+7208	1305.0+7151	121.44	45.22	44	218	II-III:	79		0	5	17.1
1682	1304.6+4649	1306.8+4632	115.05	70.34	187	138	II	75		0	6	17.5
1683	1304.6+7208	1306.2+7151	121.31	45.22	39	218	III	64		0	5	17.1
1684	1306.7+1041	1309.2+1025	317.84	72.77	304	131	III:	68		0	5	17.2
1685	1306.5+3501	1308.8+3445	97.95	81.52	191	149		44	0.097	0	5	17.2
1686	1308.3+2208	1310.7+2152	343.80	83.15	126	102	II	60		0	6	18.0
1687	1307.8+5840	1309.8+5824	118.32	58.56	228	131		33		0	0	17.5
1688	1308.9-0425	1311.5-0440	312.35	57.82	279	285		49		0	0	17.6
1689	1309.0-0106	1311.6-0121	313.39	61.10	277	133	II-III:	228	0.181	4	6	17.6
1690	1308.8+1939	1311.2+1923	334.39	81.02	270	290	II-III	56		0	5	17.2
1691	1309.1+3928	1311.4+3912	105.19	77.23	123	66	II	64	0.0722	1	3	15.4
1692	1309.7-0040	1312.3-0055	313.90	61.50	268	156		38		0	0	17.2
1693	1309.1+4845	1311.3+4829	114.02	68.30	147	242		42		0	0	17.2
1694	1309.3+3416	1311.6+3400	91.88	81.87	162	109	III	50		0	5	17.2
1695	1309.9+6156	1311.8+6140	118.69	55.29	209	305	III	63		0	6	17.8
1696	1310.4+4949	1312.6+4933	114.07	67.21	136	299		49		0	0	17.7
1697	1310.7+4631	1312.9+4615	111.82	70.41	131	122	III	84	0.1829	2	6	17.5
1698	1311.5-0645	1314.1-0700	312.88	55.42	244	160	II:	56		0	6	17.6
1699	1312.2-2147	1314.9-2202	310.10	40.50	233	-2	III	69		0	6	17.4
1700	1312.3+2859	1314.7+2843	51.51	84.63	81	148	III:	58		0	5	17.2

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1701	1311.6+6116	1313.5+6100	118.16	55.92	199	269		42		0	0	17.0
1702	1312.3+4523	1314.5+4507	110.07	71.43	115	62	III	50		0	6	17.8
1703	1312.9+5205	1315.0+5149	114.33	64.91	246	99	II	122		0	6	18.0
1704	1312.6+6451	1314.4+6435	118.91	52.36	121	141	II	134	0.22	0	6	17.8
1705	1312.3+7308	1313.7+7252	120.66	44.16	273	267	III	59	0.296	0	6	17.7
1706	1314.1+4139	1316.3+4123	104.79	74.85	75	184	III	92		0	5	17.2
1707	1313.7+5829	1315.7+5813	116.81	58.62	186	120	II-III:	61	0.196	0	6	17.6
1708	1314.7+4645	1316.9+4629	110.05	70.00	94	136	III	74		0	6	17.8
1709	1316.0-2112	1318.7-2127	311.35	40.96	185	29		43		0	0	16.4
1710	1315.6+4354	1317.8+4338	106.76	72.65	63	305		46		0	0	17.2
1711	1316.2+1114	1318.7+1058	325.88	72.62	178	160		45		0	0	17.2
1712	1316.1+3432	1318.4+3416	85.55	80.81	87	124	III	51		0	6	18.0
1713	1317.2+5820	1319.2+5804	115.89	58.68	162	112	II-III	52		0	5	17.2
1714	1318.3+3343	1320.6+3327	79.86	81.08	62	81	III	63		0	6	18.0
1715	1318.5+3800	1320.8+3744	94.59	77.73	65	310	II-III:	56		0	5	17.0
1716	1318.6+3410	1320.9+3354	81.64	80.72	59	104	III	55		0	6	17.8
1717	1318.6+4142	1320.8+4126	101.96	74.47	29	188	III	66		0	5	17.2
1718	1317.8+6706	1319.5+6650	118.65	50.06	98	263	III	94		0	6	17.8
1719	1319.0+3639	1321.3+3623	90.43	78.78	58	237		48		0	0	18.0
1720	1319.5+0321	1322.0+0305	321.18	64.87	135	58	II-III	46		0	6	17.6
1721	1319.8+1939	1322.2+1923	346.95	79.52	132	289	III	36		0	6	17.8
1722	1318.2+7022	1319.7+7006	119.43	46.83	263	116	III	86	0.328	0	6	17.7
1723	1319.8+3728	1322.1+3712	92.16	78.03	51	281	III	47		0	5	17.0
1724	1320.2+2316	1322.6+2300	04.34	81.83	299	162	II-III:	58		0	6	17.5
1725	1321.2-1632	1323.9-1647	314.03	45.38	120	278	I-II	63		0	6	17.7
1726	1320.8+1721	1323.2+1705	340.79	77.56	118	166	II:	56		0	5	17.2
1727	1321.5-2247	1324.2-2302	312.69	39.21	279	258		45		0	0	17.4
1728	1321.2+1132	1323.7+1116	330.04	72.43	113	176		46		0	0	17.6
1729	1321.4-0306	1324.0-0321	318.64	58.52	111	26	III	76		0	5	17.2
1730	1321.2+2143	1323.6+2127	356.92	80.74	288	79	III	59		0	6	17.6
1731	1320.8+5826	1322.7+5810	115.05	58.47	137	117	II	92		0	5	17.2
1732	1322.3-1958	1325.0-2013	313.55	41.95	106	94	I-II	67		0	6	17.5
1733	1323.6+0228	1326.1+0212	322.85	63.73	64	324	III	90		0	6	18.0
1734	1321.9+5528	1323.9+5512	113.28	61.31	172	279		40		0	0	17.3
1735	1323.6+1239	1326.1+1223	333.47	73.17	82	236	III	59		0	6	17.8
1736	1324.1-2651	1326.9-2706	312.58	35.10	244	40	III	41	0.035	0	2	14.8
1737	1323.3+4949	1325.4+4933	108.97	66.64	316	301	III:	70		0	6	17.3
1738	1323.2+5752	1325.1+5736	114.19	58.95	119	87	I:	85	0.1146	2	5	16.6
1739	1323.9+2942	1326.2+2926	51.77	82.00	247	185	III	51		0	6	17.6
1740	1323.9+4155	1326.1+4139	99.10	73.83	274	197	II-III:	56		0	6	17.6
1741	1322.7+7144	1324.1+7128	119.26	45.42	238	188	II-III	73		0	5	17.1
1742	1324.8+1350	1327.3+1334	336.40	74.07	67	300		45		0	0	17.5
1743	1325.0+0352	1327.5+0336	324.64	64.95	62	87	II:	69		0	6	17.8
1744	1324.0+5934	1325.9+5918	114.81	57.27	116	179	I-II	53		0	5	17.2
1745	1324.8+5405	1326.8+5349	111.60	62.52	149	205		128		2	0	18.4
1746	1325.5+3543	1327.8+3527	82.25	78.63	289	186		39		0	0	17.2
1747	1325.2+5253	1327.2+5237	110.66	63.64	145	141	III	59		0	6	18.0
1748	1327.4+1840	1329.8+1824	350.32	77.59	35	238	III	56		0	6	17.4
1749	1327.3+3753	1329.5+3737	87.94	76.79	267	302	II:	55	0.059	1	4	16.0
1750	1328.3-0135	1330.9-0150	322.65	59.51	18	107	II-III:	40	0.086	0	4	15.9
1751	1328.7-0529	1331.3-0544	320.75	55.75	15	227		31		0	0	17.6
1752	1328.6+3201	1330.9+3145	63.63	80.25	193	309		46		0	0	17.2
1753	1329.1+0506	1331.6+0450	327.97	65.74	328	152	III	61		0	6	17.3
1754	1329.4-1124	1332.0-1139	318.51	49.98	325	230	II-III	51		0	5	17.0
1755	1329.3+1613	1331.7+1557	344.92	75.44	317	105	III:	67		0	6	17.5
1756	1328.7+6228	1330.5+6212	115.16	54.33	92	335		41		0	0	17.6
1757	1330.8-2301	1333.5-2316	315.34	38.58	164	247		50		1	0	17.0
1758	1330.5+5046	1332.5+5030	107.16	65.34	252	349	III	198	0.2800	3	6	18.0
1759	1331.6+2030	1334.0+2014	359.94	78.08	285	335	III	132	0.168	3	6	17.6
1760	1331.7+2028	1334.1+2012	359.88	78.04	284	333	III	168	0.1711	3	5	17.2
1761	1330.9+5754	1332.8+5738	112.31	58.62	64	92	III	114		0	6	17.8
1762	1333.2+2321	1335.6+2305	13.37	79.23	139	166	III	52		0	6	17.6
1763	1333.1+4113	1335.3+4057	92.61	73.48	182	158	III	152	0.187	3	6	17.7
1764	1332.9+6010	1334.7+5954	113.16	56.39	58	214		42		0	0	17.2
1765	1334.4+1041	1336.9+1025	337.76	70.17	257	130	II	104		0	6	17.8
1766	1334.8+3243	1337.1+3227	64.01	78.76	122	347	III	54		0	6	17.5
1767	1334.2+5928	1336.0+5912	112.48	57.00	46	177	II	65	0.0701	1	4	15.7
1768	1336.0-1342	1338.7-1357	319.99	47.35	238	108		45		0	0	17.2
1769	1336.9+2801	1339.2+2745	39.12	79.38	95	95	III	54		0	5	17.2
1770	1337.9+4132	1340.1+4116	90.84	72.68	134	176	III	53		0	6	17.6
1771	1339.4-2601	1342.2-2616	316.89	35.22	61	84		68		1	0	16.8
1772	1339.4-1050	1342.1-1105	322.42	49.86	194	261	II-III	51		0	5	17.0
1773	1339.6+0230	1342.1+0214	331.10	62.31	188	332	III	66	0.0776	1	3	15.6
1774	1339.0+4016	1341.2+4000	87.45	73.50	122	107	III	81	0.1691	2	6	17.6
1775	1339.6+2637	1341.9+2621	31.93	78.71	63	341	I	92	0.0696	2	4	15.7
1776	1339.2+5817	1341.0+5801	110.60	57.89	312	112		40		0	0	17.2
1777	1338.2+7152	1339.4+7136	117.63	45.02	173	193	I-II	73		0	6	17.6
1778	1341.5-1053	1344.2-1108	323.16	49.66	166	258	III	43		0	5	16.6
1779	1341.2+4752	1343.2+4736	100.05	67.15	160	193		42		0	0	17.6
1780	1342.1+0308	1344.6+0252	332.91	62.62	154	46	III	71		0	5	16.6
1781	1342.2+3006	1344.5+2950	49.20	78.04	35	207	III	41	0.0762	0	3	15.4
1782	1342.5+1357	1344.9+1341	348.53	71.66	150	304	II-III	72		0	6	17.5
1783	1341.5+5551	1343.4+5535	108.23	60.02	307	302	III	47	0.0766	0	4	16.3
1784	1343.1+0600	1345.6+0544	336.45	65.04	141	200	II	74		0	6	17.3
1785	1342.5+3824	1344.7+3808	80.90	74.31	106	329	I-II	90	0.2136	2	5	17.2
1786	1343.4+4514	1345.5+4459	95.30	69.13	138	52	III	60		0	6	17.6
1787	1343.7+3703	1345.9+3648	76.35	74.96	93	257	III	58		0	6	17.8
1788	1343.3+5401	1345.2+5345	106.17	61.58	299	203	III	71		0	6	17.7
1789	1344.0+3954	1346.2+3939	84.18	73.09	70	89		44		0	0	17.8
1790	1344.4+5417	1346.3+5402	106.11	61.27	290	217	III:	73		0	6	17.7
1791	1346.1-2512	1348.9-2526	318.94	35.63	295	127		67		1	0	17.0
1792	1345.7+3105	1348.0+3050	52.99	77.11	293	258	II-III	54		0	6	17.8
1793	1346.1+3232	1348.3+3217	59.02	76.63	287	336	III	54	0.0849	1	4	16.4
1794	1347.4-2605	1350.2-2619	318.99	34.70	278	80		77		1	0	17.0
1795	1346.7+2650	1349.0+2635	33.79	77.16	287	30	I	115	0.0616	2	4	16.0
1796	1347.6-1140	1350.3-1154	324.93	48.43	87	217	II	58		0	5	17.2
1797	1347.2+2515	1349.5+2500	26.94	76.79	282	267	II-III	61		0	5	17.0
1798	1346.3+5750	1348.1+5735	108.64	57.94	264	85		45		0	0	17.6
1799	1347.2+3541	1349.4+3526	70.42	75.11	53	185	II	76		0	5	17.2
1800	1347.4+2819	1349.7+2804	40.47	77.07	277	110	II:	40	0.0724	0	3	15.4

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1801	1348.1+0534	1350.6+0519	338.44	64.03	75	177	III	69		0	6	17.8
1802	1348.6-2628	1351.4-2642	319.18	34.26	263	60		61		1	0	17.0
1803	1345.5+7105	1346.6+7050	116.52	45.60	141	151	II-III:	79		0	6	17.5
1804	1347.2+4929	1349.2+4914	100.06	65.25	109	280	III	56		0	6	17.6
1805	1347.4+5737	1349.2+5722	108.21	58.08	256	73	III	65		0	6	17.8
1806	1348.5+2133	1350.9+2118	12.86	75.27	270	68	II	53		0	6	18.0
1807	1349.7-0930	1352.4-0944	326.84	50.28	56	11	I-II	58		0	6	18.0
1808	1349.7+0939	1352.2+0924	344.77	67.20	55	74		44		0	0	17.2
1809	1350.8+0524	1353.3+0509	339.54	63.54	39	168	II:	78	0.0788	1	4	15.8
1810	1350.4+3630	1352.6+3615	71.85	74.14	318	228	III	65		0	5	17.2
1811	1348.7+7116	1349.8+7101	116.25	45.34	128	162	III	61		0	6	17.5
1812	1350.9+3757	1353.1+3742	76.01	73.28	311	305		41		0	0	17.0
1813	1351.3+3546	1353.5+3531	69.17	74.35	311	188	II:	32		0	4	16.0
1814	1351.7+1509	1354.1+1454	356.13	70.97	28	48	II	71		0	5	17.2
1815	1351.9+0416	1354.4+0401	338.74	62.43	23	108	III	74		0	6	17.8
1816	1352.9-2607	1355.7-2621	320.42	34.32	212	80		76		1	0	17.6
1817	1352.0+2849	1354.3+2834	42.52	76.05	222	136	III	50		0	5	17.2
1818	1352.1+2708	1354.4+2653	35.56	75.98	222	46	II:	34		0	5	17.2
1819	1352.9+2436	1355.2+2421	25.56	75.38	214	232	II-III	65		0	5	17.2
1820	1353.8+1101	1356.3+1046	349.04	67.64	315	147	III	68		0	6	17.6
1821	1353.8+3103	1356.0+3048	51.37	75.41	201	256	III	71		0	6	17.5
1822	1355.7-2508	1358.5-2522	321.51	35.06	178	132		119		2	0	17.6
1823	1354.7+4510	1356.7+4455	90.95	67.94	32	51	II-III:	52		0	6	17.5
1824	1355.4+2705	1357.7+2650	35.61	75.25	182	42	III	54		0	5	17.2
1825	1355.6+2054	1358.0+2039	13.43	73.50	181	32	III	49	0.0618	0	4	15.7
1826	1355.6+3050	1357.8+3035	50.27	75.07	180	243	III	102		0	6	17.5
1827	1355.9+2157	1358.2+2142	16.93	73.87	178	89	II:	68	0.0668	1	5	16.6
1828	1356.0+1838	1358.4+1823	06.89	72.29	280	233	II-III:	59		0	5	16.6
1829	1356.1+3832	1358.2+3817	75.72	72.11	256	335	III	58		0	6	17.8
1830	1355.8+4739	1357.8+4724	94.69	65.92	28	185	III	56		0	6	17.5
1831	1356.9+2814	1359.2+2759	40.14	74.98	164	104	III	67	0.0733	1	3	15.4
1832	1357.0+2947	1359.2+2932	46.11	74.90	164	187	III	54		0	5	17.2
1833	1357.7+0452	1400.2+0437	342.05	62.15	266	138	III	72		0	5	17.0
1834	1356.8+4947	1358.7+4932	97.45	64.13	317	297	III	52		0	5	17.2
1835	1358.5+0306	1401.0+0251	340.37	60.57	256	43		48		0	0	17.6
1836	1359.0-1122	1401.7-1136	328.98	47.68	252	231	II:	41	0.0363	0	4	15.7
1837	1359.1-1055	1401.8-1109	329.28	48.08	251	255	I-II	50	0.0376	1	4	15.7
1838	1358.2+4118	1400.3+4103	81.88	70.14	230	162	II-III	130		0	6	18.0
1839	1359.9-0436	1402.5-0450	333.85	53.71	239	272	I	63		0	6	17.4
1840	1359.3+3049	1401.5+3034	49.76	74.29	137	243		35	0.0104	0	5	17.2
1841	1359.6+2333	1401.9+2318	23.35	73.62	132	175	III	55		0	6	17.5
1842	1359.8+1802	1402.2+1747	06.84	71.21	232	200	III	79		0	5	17.2
1843	1400.1+1423	1402.5+1408	358.41	68.95	232	327		40		0	0	17.8
1844	1400.2+1045	1402.7+1030	351.60	66.39	231	132		35		0	0	17.2
1845	1400.6-0852	1403.3-0906	331.07	49.80	230	44		39		0	0	17.2
1846	1400.9-2508	1403.7-2522	322.87	34.69	115	132		113		2	0	17.6
1847	1400.4+2258	1402.7+2243	21.61	73.27	121	144	III	66		0	6	17.6
1848	1357.5+7422	1358.1+7407	116.86	42.21	103	330	III:	50		0	6	17.7
1849	1401.2+1540	1403.6+1525	01.69	69.56	215	73	III	32		0	5	16.6
1850	1401.3+0922	1403.8+0907	349.84	65.18	216	58	II:	57		0	6	17.5
1851	1358.5+7222	1359.3+7207	115.78	44.05	90	223	II-III	125		0	5	17.2
1852	1401.6+1600	1404.0+1545	02.61	69.69	210	91	III	77		0	5	16.6
1853	1402.8-1932	1405.6-1946	325.84	39.78	202	115		56		1	0	17.3
1854	1402.1+3119	1404.3+3104	51.22	73.62	105	270	II-III	68		0	6	17.5
1855	1403.1+4719	1405.0+4704	91.89	65.37	268	163	II:	55		0	6	17.6
1856	1403.8+2521	1406.1+2506	30.28	73.14	82	272	III	76		0	5	17.2
1857	1405.6-2432	1408.4-2446	324.34	34.88	58	163		79		1	0	17.6
1858	1405.3-0405	1407.9-0419	336.27	53.53	167	300		44		0	0	17.6
1859	1403.6+6020	1405.2+6005	107.11	54.71	143	217		45	0.0988	0	6	17.8
1860	1405.2+1412	1407.6+1357	00.21	67.89	165	317	II:	65		0	5	17.2
1861	1405.2+2803	1407.5+2748	39.66	73.14	67	96	II-III:	58		0	5	17.2
1862	1405.6+0647	1408.1+0632	347.91	62.52	160	241	II-III	51		0	5	17.2
1863	1405.3+2730	1407.6+2715	37.77	73.09	65	66	III	98		0	5	17.2
1864	1405.8+0541	1408.3+0526	346.53	61.63	158	182	II	77		0	5	17.0
1865	1404.3+5854	1405.9+5839	105.71	55.91	137	141		40		0	0	17.8
1866	1407.3+0657	1409.8+0642	348.85	62.38	138	250	III	54		0	5	17.2
1867	1406.9+3123	1409.1+3108	50.91	72.60	51	275	II	51		0	6	17.5
1868	1407.1+2751	1409.4+2736	39.04	72.71	44	86	III	54		0	6	17.5
1869	1407.1+2941	1409.3+2926	45.22	72.72	46	184	III:	39		0	5	17.2
1870	1408.3+0653	1410.8+0638	349.16	62.17	124	246	III	38		0	5	17.2
1871	1409.7-1316	1412.4-1330	331.28	44.87	112	129		32		0	0	17.1
1872	1407.6+6211	1409.0+6156	107.94	52.86	119	317		39	0.0508	0	5	17.2
1873	1409.5+2823	1411.7+2808	40.88	72.21	321	112	II	41	0.0776	0	4	16.3
1874	1409.5+2959	1411.7+2944	46.12	72.18	318	198	II-III	69		0	6	17.4
1875	1410.1+1416	1412.5+1401	02.29	67.00	101	320	III:	50		0	6	17.6
1876	1410.8-1350	1413.5-1404	331.27	44.24	97	99	III	53		0	5	17.1
1877	1408.9+6001	1410.4+5946	105.85	54.65	107	201	II	71	0.1241	1	6	17.8
1878	1410.6+2927	1412.8+2912	44.35	71.97	306	169	III	56	0.254	1	6	17.5
1879	1409.1+6350	1410.5+6335	109.02	51.34	87	85	II-III	56		0	6	17.8
1880	1410.9+2238	1413.2+2223	23.12	70.87	313	125	III	67	0.1413	1	5	17.2
1881	1411.7+0705	1414.2+0651	350.80	61.77	79	256	III	58		0	5	17.0
1882	1412.1-0006	1414.7-0019	342.41	56.03	76	192	III	166		0	5	17.2
1883	1412.8-2301	1415.6-2314	326.91	35.67	288	243		46		0	0	17.1
1884	1410.4+6137	1411.9+6122	106.99	53.19	101	287		45	0.0220	0	6	17.8
1885	1411.8+4354	1413.8+4340	83.18	66.57	97	302	II-III	63		0	5	17.0
1886	1412.5+2722	1414.7+2708	37.75	71.49	287	57	III	73		0	5	17.2
1887	1414.1+1749	1416.5+1735	11.43	68.19	50	189		36		0	0	17.2
1888	1414.7+1406	1417.1+1352	03.66	66.02	42	312		40		0	0	17.5
1889	1414.5+3057	1416.7+3043	48.91	71.03	260	249	III	112	0.1860	2	6	17.3
1890	1415.1+0825	1417.6+0811	354.04	62.17	35	328	I-II:	37	0.0570	0	3	15.5
1891	1415.3+2816	1417.5+2802	40.66	70.93	252	105	III	76		0	5	17.0
1892	1410.4+7858	1409.9+7843	118.19	37.66	117	254	III	79		0	5	16.5
1893	1412.6+7434	1413.0+7420	115.71	41.63	286	340	III	69		0	6	17.5
1894	1415.7+4336	1417.7+4322	81.53	66.18	58	287	III	60		0	5	17.0
1895	1413.7+7128	1414.4+7114	113.76	44.39	304	175	III	107	0.225	0	6	17.7
1896	1416.6+3801	1418.7+3747	68.61	68.81	39	309		45		0	0	17.2
1897	1418.3-0833	1421.0-0846	337.20	48.05	313	59		30		0	0	17.0
1898	1418.3+2523	1420.6+2509	32.34	69.93	221	272	III:	54		0	5	17.0
1899	1419.0+1755	1421.4+1741	13.16	67.22	293	193	III	33	0.0536	0	4	16.0
1900	1419.0+3615	1421.1+3601	63.55	69.00	312	212	III	72		0	5	17.2

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
1901	1419.0+4033	1421.0+4019	74.16	67.28	321	122	III:	46		0	5	16.6
1902	1419.7+3731	1421.8+3717	66.70	68.44	302	280	II:	107		0	5	17.2
1903	1420.6+2735	1422.8+2721	38.86	69.71	190	68	II-III	53		0	5	17.0
1904	1420.3+4847	1422.1+4833	89.66	62.30	113	241	II-III:	83	0.0708	2	3	15.6
1905	1421.3+1642	1423.7+1628	11.17	66.15	264	128	III	94		0	6	18.0
1906	1421.4+1739	1423.8+1725	13.26	66.60	262	179	III	46		0	5	16.6
1907	1420.5+4956	1422.3+4942	91.40	61.49	112	303	III	53		0	5	17.2
1908	1421.7+2639	1423.9+2625	36.28	69.37	180	340	II:	59		0	5	17.1
1909	1421.8+2509	1424.1+2455	32.11	69.11	178	259	III	79		0	5	16.8
1910	1422.1+2526	1424.4+2512	32.93	69.09	175	275	II-III:	48		0	6	17.8
1911	1422.4+3911	1424.4+3857	70.24	67.30	290	47	II-III	80	0.1913	2	5	17.2
1912	1423.4+2658	1425.6+2644	37.29	69.03	156	34	III:	65		0	5	17.0
1913	1424.5+1654	1426.9+1640	12.54	65.58	223	138	III	53	0.0533	1	4	16.0
1914	1424.0+3803	1426.0+3749	67.20	67.45	256	307	II:	105	0.1712	2	5	17.2
1915	1424.5+3224	1426.6+3210	52.42	68.76	145	325	III	55		0	6	17.6
1916	1425.7-0756	1428.4-0809	340.00	47.62	215	92	II-III:	50		0	6	17.8
1917	1425.7+2015	1428.0+2001	20.31	66.81	206	317	III	94		0	6	18.0
1918	1423.9+6323	1425.2+6309	106.42	50.86	303	60	I-II	142	0.1415	3	6	17.5
1919	1427.2+0537	1429.7+0523	354.44	58.07	192	176		35		0	0	17.6
1920	1425.7+5600	1427.3+5546	98.45	56.56	257	305	II-III:	103	0.1310	2	5	17.0
1921	1427.0+2319	1429.3+2305	28.03	67.53	114	161	II	63	0.1352	1	5	17.2
1922	1427.7+2049	1430.0+2035	22.08	66.58	182	348	III	56		0	6	17.6
1923	1427.7+1951	1430.0+1937	19.84	66.22	181	296	III	53		0	5	17.2
1924	1428.7-2209	1431.5-2222	331.43	34.90	93	290		95		2	0	17.0
1925	1426.9+5705	1428.4+5651	99.50	55.63	285	42	II:	92		0	5	17.2
1926	1428.3+2452	1430.6+2438	32.16	67.61	99	244	III	112		0	5	16.6
1927	1428.8+2553	1431.0+2539	34.84	67.68	93	299	I-II:	50	0.0740	1	4	16.0
1928	1429.7+0445	1432.2+0431	354.15	57.02	160	130	II:	69		0	6	17.6
1929	1429.7+2945	1431.9+2931	45.08	67.81	83	184	II-III:	95	0.2191	2	6	17.3
1930	1430.5+3150	1432.6+3136	50.54	67.55	77	296	II	60	0.1313	1	5	17.0
1931	1430.1+4429	1432.0+4415	79.88	63.54	206	330	III	62		0	5	17.2
1932	1430.4+4719	1432.2+4705	84.95	61.91	20	166		45		0	0	17.2
1933	1428.4+7021	1429.1+7007	111.53	44.77	245	109	II-III:	93		0	6	17.3
1934	1431.2+2940	1433.4+2926	44.86	67.48	66	180	II	142	0.2195	3	6	17.4
1935	1433.1-1906	1435.9-1919	334.33	37.11	124	137		73		1	0	17.5
1936	1432.9+5502	1434.5+5448	95.91	56.57	204	252	III:	69	0.1386	1	5	17.0
1937	1433.0+5829	1434.4+5815	100.04	54.04	238	116	III	99	0.1382	2	5	17.2
1938	1435.2-0003	1437.8-0015	350.31	52.54	88	192	III:	53		0	5	17.2
1939	1435.0+2503	1437.2+2450	33.40	66.16	17	255	II-III	59	0.0883	1	5	16.6
1940	1433.9+5522	1435.5+5508	96.15	56.23	196	269	III	130	0.1396	3	5	17.0
1941	1435.4+3043	1437.5+3030	47.53	66.57	318	235	III	56		0	6	17.5
1942	1436.1+0353	1438.6+0340	355.12	55.28	74	83	III	138	0.224	3	6	17.5
1943	1435.5+3027	1437.7+3014	46.86	66.55	317	221	III	86		0	6	17.6
1944	1435.7+3038	1437.8+3025	47.32	66.51	315	231	III	76		0	5	17.2
1945	1437.3-2204	1440.2-2216	333.61	34.04	310	292		51		1	0	17.6
1946	1435.9+4026	1437.9+4013	70.54	64.43	149	112	III	69		0	6	17.6
1947	1436.1+3939	1438.1+3926	68.81	64.68	148	70	II-III:	50		0	6	17.5
1948	1435.9+4849	1437.7+4836	86.32	60.28	274	243		48		0	0	17.2
1949	1437.7+1821	1440.0+1808	18.88	63.45	54	216	III	68		0	5	17.2
1950	1438.1+1317	1440.5+1304	09.49	60.90	47	266	II:	69		0	5	17.2
1951	1427.1+8331	1423.9+8317	119.79	33.26	211	172	II	60		0	6	17.7
1952	1438.9+2851	1441.1+2838	42.94	65.78	279	134	III	107	0.248	2	6	18.0
1953	1439.5+1330	1441.9+1317	10.24	60.73	29	278	III	44		0	5	16.6
1954	1439.9+2844	1442.1+2831	42.69	65.55	267	128	I:	120	0.181	2	6	17.6
1955	1441.4-0419	1444.0-0431	347.89	48.27	328	284		47		0	0	17.8
1956	1440.8+3152	1442.9+3139	50.24	65.37	254	296	III	107		0	6	17.6
1957	1441.0+3125	1443.1+3112	49.16	65.35	252	272	III	166	0.241	3	6	17.8
1958	1441.1+3111	1443.2+3058	48.60	65.33	251	259	III	88	0.2284	2	6	17.8
1959	1441.6+1755	1443.9+1742	18.88	62.43	309	191	III	69		0	6	17.4
1960	1442.2+1933	1444.5+1920	22.27	62.95	301	279	II-III	53	0.1876	1	5	16.6
1961	1442.4+3124	1444.5+3111	49.09	65.05	236	271	III:	137	0.232	3	6	17.8
1962	1441.4+5525	1442.9+5512	94.90	55.43	139	273		35		0	0	17.2
1963	1442.7+3141	1444.8+3128	49.76	64.98	233	286	III	96		0	6	17.7
1964	1444.1-0834	1446.8-0846	344.88	44.50	291	56		44		0	0	16.9
1965	1443.2+3640	1445.2+3627	61.25	64.20	50	234		43		0	0	17.6
1966	1442.8+5906	1444.1+5853	99.18	52.73	170	147	III	104		0	6	18.0
1967	1444.8+0959	1447.2+0946	06.03	57.66	274	87	III	69		0	6	17.8
1968	1444.7+3204	1446.8+3151	50.61	64.53	210	306	III	68		0	6	17.8
1969	1442.8+6354	1443.9+6341	104.31	49.17	189	83	III	51		0	6	17.7
1970	1445.3+1334	1447.7+1321	11.86	59.57	266	279	III	79		0	5	17.2
1971	1445.6+1500	1448.0+1447	14.40	60.23	260	35		42		0	0	17.2
1972	1446.1+2409	1448.3+2356	32.61	63.50	198	203		38	0.0189	0	5	17.2
1973	1446.1+2739	1448.3+2726	40.43	64.10	195	69	III	126		0	6	17.6
1974	1443.3+7502	1443.2+7449	113.70	40.24	291	42	III	56		0	6	17.5
1975	1445.7+6922	1446.3+6909	109.01	44.74	167	50	III:	57		0	5	17.1
1976	1448.1+2110	1450.4+2057	26.61	62.23	174	43	III	53	0.1169	1	5	16.9
1977	1449.3-2417	1452.2-2429	335.11	30.73	156	170		98		2	0	17.0
1978	1448.4+1448	1450.8+1435	14.71	59.55	226	345	II:	51		0	5	16.8
1979	1448.9+3129	1451.0+3116	49.20	63.66	162	275	II-III	108	0.1687	2	5	17.2
1980	1449.3+2252	1451.5+2239	30.29	62.47	160	134	II-III	50	0.1152	1	5	17.2
1981	1450.5-2410	1453.4-2422	335.45	30.69	150	175		38		0	0	17.0
1982	1449.1+3056	1451.2+3043	47.96	63.63	160	245	I-II:	49		0	5	16.6
1983	1450.4+1657	1452.7+1644	18.95	60.12	197	139	III:	51	0.0441	1	3	15.4
1984	1450.2+2809	1452.4+2756	41.76	63.25	146	96	II	93	0.1231	2	5	17.2
1985	1450.8+0608	1453.3+0555	02.27	54.11	197	202	III	52		0	5	17.2
1986	1450.9+2207	1453.2+2154	28.97	61.90	139	94	III	67	0.1182	1	5	16.9
1987	1450.8+3234	1452.9+3221	51.59	63.22	140	333		43		0	0	17.6
1988	1451.2+2059	1453.5+2046	26.74	61.48	135	34		41	0.0160	0	5	17.2
1989	1451.9+0554	1454.4+0541	02.27	53.75	183	189	II-III:	57		0	5	17.2
1990	1451.6+2817	1453.8+2804	42.12	62.96	130	103	III	140	0.1269	3	5	17.2
1991	1452.2+1850	1454.5+1837	22.77	60.50	175	240	I:	60	0.0586	1	3	15.4
1992	1451.8+4524	1453.6+4511	77.67	59.73	131	58		42		0	0	17.8
1993	1453.4+0203	1455.9+0150	357.96	50.91	165	304	III	53		0	6	17.5
1994	1453.6-0538	1456.2-0550	350.06	45.31	164	214	III	70		0	6	17.7
1995	1451.5+5815	1452.8+5802	96.88	52.50	108	103		56		1	0	18.4
1996	1454.5-2343	1457.4-2355	336.63	30.59	89	198		30		0	0	17.4
1997	1453.6+2016	1455.9+2003	25.73	60.71	156	317		36	0.0499	0	5	17.0
1998	1454.4+0142	1456.9+0129	357.83	50.49	151	286		44		0	0	17.5
1999	1452.6+5431	1454.1+5418	91.89	54.78	51	227	II-III	68	0.1032	1	4	15.7
2000	1453.1+5440	1454.6+5427	92.01	54.63	48	236	III	57		0	5	16.6

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2001	1454.8+2257	1457.0+2244	31.18	61.27	91	140	II:	57	0.1122	1	5	17.2
2002	1452.4+6834	1453.0+6821	107.65	44.98	140	333	II-III	68	0.211	0	6	17.7
2003	1456.4+1939	1458.7+1927	25.04	59.88	121	283	II-III:	50	0.2172	1	5	17.2
2004	1456.4+2508	1458.6+2456	35.79	61.43	74	256		34	0.0640	0	5	17.0
2005	1456.6+2801	1458.7+2749	41.80	61.83	71	89	III	105	0.1257	2	4	16.0
2006	1457.3+1952	1459.6+1940	25.59	59.76	110	295	II-III	58	0.1164	1	5	17.2
2007	1456.9+3812	1458.9+3800	63.21	61.21	202	312	III	68		0	5	16.9
2008	1457.8+2320	1500.0+2308	32.31	60.70	54	160	II	93	0.1810	2	6	17.5
2009	1458.0+2134	1500.3+2122	28.90	60.16	51	66	I-II:	66	0.1530	1	5	17.2
2010	1449.8+8121	1447.5+8108	117.72	34.78	178	53	II-III	78		0	6	17.5
2011	1458.2+4957	1459.8+4945	84.32	56.63	80	303	III	50		0	5	17.2
2012	1459.5+1643	1501.8+1631	20.36	58.05	80	126	III	53	0.1511	1	5	16.6
2013	1457.6+6042	1458.8+6030	98.96	50.28	73	236	II:	91		0	6	18.0
2014	1500.8-1550	1503.6-1601	343.46	36.24	76	309		50		1	0	17.5
2015	1458.2+5611	1459.6+5559	93.30	53.13	295	313	III:	57		0	6	17.6
2016	1500.3+1124	1502.7+1112	12.04	55.32	71	163	III	63		0	6	17.6
2017	1500.3+2322	1502.5+2310	32.68	60.16	24	163	III	73		0	5	16.6
2018	1459.5+4728	1501.2+4716	80.11	57.63	63	171	II	53		0	5	16.6
2019	1500.8+2723	1503.0+2711	40.72	60.83	20	57	III	38		0	4	16.3
2020	1501.3+0807	1503.7+0755	07.62	53.27	57	308		47	0.0578	0	4	16.0
2021	1501.3+2313	1503.5+2301	32.50	59.90	330	153	III	52	0.0994	1	5	17.0
2022	1502.2+2837	1504.3+2825	43.31	60.67	310	121	III	50	0.0564	1	3	15.6
2023	1503.3+0303	1505.8+0251	01.72	49.74	30	37	I-II:	61		0	5	17.2
2024	1503.8+4719	1505.5+4707	79.27	57.04	24	165	II:	50		0	6	18.0
2025	1504.7+3439	1506.7+3427	55.56	60.19	118	122	I:	59		0	5	17.2
2026	1506.0-0005	1508.6-0016	358.86	47.15	318	186	II:	51		0	5	16.7
2027	1505.5+4257	1507.3+4245	71.46	58.38	152	245		49		0	0	17.7
2028	1507.1+0743	1509.6+0731	08.46	51.87	305	285	II-III	50	0.0772	1	4	15.7
2029	1508.5+0557	1511.0+0545	06.51	50.55	286	191	I	82	0.0767	2	4	16.0
2030	1508.7+0006	1511.3-0005	359.73	46.78	282	196	I-II	54		0	5	16.9
2031	1509.2-1100	1511.9-1111	349.28	38.73	278	245		76		1	0	17.1
2032	1501.8+7800	1500.7+7748	114.79	37.20	217	194	II-III:	76		0	6	17.9
2033	1509.0+0633	1511.5+0621	07.39	50.81	279	223	III	40		0	4	15.7
2034	1508.2+3343	1510.2+3331	53.61	59.53	78	72	II-III:	105		0	5	16.9
2035	1509.5-0552	1512.1-0603	353.91	42.48	272	198	III	57		0	5	17.1
2036	1509.2+1815	1511.5+1803	24.69	56.55	264	206	II-III	39	0.1163	0	4	16.0
2037	1505.2+7224	1505.2+7212	109.97	41.38	89	220	II:	69		0	6	17.5
2038	1509.9+1525	1512.2+1513	20.20	55.23	255	54		38		0	0	17.2
2039	1510.2+0959	1512.6+0947	12.23	52.50	256	85		46		0	0	17.2
2040	1510.3+0737	1512.8+0725	09.06	51.17	262	280	III	52	0.0456	1	4	15.7
2041	1506.5+6904	1507.0+6852	106.79	43.76	67	43		39		0	0	17.0
2042	1509.4+3644	1511.4+3632	59.46	59.02	69	235	III	72		0	5	17.2
2043	1510.4+1637	1512.7+1625	22.20	55.64	249	119	III	51		0	5	17.2
2044	1510.5+1430	1512.8+1418	18.89	54.69	251	327	III:	59		0	6	17.6
2045	1511.6-0234	1514.2-0245	357.64	44.44	242	53	III	53		0	5	17.1
2046	1510.7+3502	1512.7+3450	56.12	58.93	53	144	III	55		0	5	16.9
2047	1504.6+7819	1503.3+7807	114.89	36.86	208	210	III	54		0	6	17.9
2048	1512.8+0434	1515.3+0422	05.81	48.86	228	117	III	75	0.0945	1	4	16.0
2049	1512.7+3158	1514.7+3146	50.19	58.60	187	299	III	46		0	5	17.0
2050	1513.8+0017	1516.4+0005	01.15	45.95	214	206	II-III	50	0.1183	1	5	17.1
2051	1514.2-0046	1516.8-0056	0 .12	45.18	208	149	II-III	94		0	6	17.4
2052	1514.3+0711	1516.8+0700	09.40	50.10	209	257	I-II	41	0.0348	0	3	15.0
2053	1514.7-0030	1517.3-0040	0 .52	45.26	201	164	III	75	0.1127	1	6	17.4
2054	1513.2+5458	1514.6+5446	89.66	52.08	184	245	III	62		0	6	17.6
2055	1516.3+0623	1518.8+0612	08.83	49.24	182	215	III	40	0.0530	0	4	16.0
2056	1517.1+2827	1519.2+2816	43.69	57.40	135	110	II-III	50	0.0763	1	5	16.9
2057	1518.3-1029	1521.0-1039	351.84	37.62	158	273		67		1	0	17.1
2058	1513.8+7202	1513.8+7150	108.99	41.20	52	205	I	60		0	6	17.9
2059	1518.2+2901	1520.3+2850	44.79	57.23	123	140	III	53		0	5	17.0
2060	1519.6-1159	1522.3-1209	350.86	36.30	141	192		65		1	0	17.7
2061	1519.2+3050	1521.3+3039	48.16	57.17	112	238	III:	71	0.0768	1	4	15.7
2062	1519.3+3216	1521.3+3205	50.81	57.21	111	315	III	69		0	5	16.6
2063	1520.6+0849	1523.0+0838	12.86	49.71	125	345	II:	63	0.0337	1	3	15.1
2064	1519.4+4849	1521.0+4838	79.82	54.05	187	236		37	0.0076	0	5	16.6
2065	1520.6+2754	1522.7+2743	42.88	56.56	93	81	III	109	0.0721	2	3	15.6
2066	1521.4+0113	1523.9+0102	03.92	45.09	111	256	III	101		0	5	17.2
2067	1521.2+3105	1523.2+3054	48.67	56.76	89	252	III	58	0.0732	1	4	15.7
2068	1517.8+7140	1517.8+7129	108.36	41.24	33	187	III	86		0	6	17.7
2069	1521.9+3004	1524.0+2953	46.85	56.53	80	198	II-III:	97	0.116	2	5	16.6
2070	1522.3+3525	1524.3+3514	56.56	56.54	231	161	III:	52		0	6	17.5
2071	1522.8+3711	1524.7+3700	59.73	56.31	224	256	III	55		0	5	17.2
2072	1523.6+1823	1525.9+1812	27.12	53.43	80	214	II-III:	41		0	5	17.0
2073	1523.6+2835	1525.7+2824	44.26	56.00	59	119	III	59		0	5	16.9
2074	1521.9+6356	1522.7+6345	99.95	46.04	261	83		45		0	0	17.1
2075	1520.1+7411	1519.7+7400	110.54	39.35	287	314		33		0	0	17.1
2076	1524.4+4418	1526.1+4407	72.01	54.71	258	316	II-III:	81		0	6	17.8
2077	1523.2+6213	1524.1+6202	97.82	46.95	189	311	III	50		0	6	17.7
2078	1527.1-1250	1529.9-1300	351.80	34.44	43	146		42		0	0	17.5
2079	1526.0+2903	1528.1+2852	45.20	55.54	31	144	II-III:	57	0.0662	1	3	15.4
2080	1525.8+4154	1527.6+4143	67.85	55.03	248	186		42		0	0	17.3
2081	1527.8-1049	1530.5-1059	353.66	35.77	33	254		59		1	0	17.7
2082	1528.2+0337	1530.7+0326	08.08	45.22	24	66		44		0	0	17.0
2083	1527.4+3055	1529.4+3044	48.54	55.42	316	241	III	60	0.1143	1	5	16.9
2084	1528.2+3528	1530.1+3517	56.55	55.34	167	163	III	57	0.342	1	6	17.3
2085	1529.2+0732	1531.6+0721	12.96	47.23	324	273	III	52		0	6	17.7
2086	1524.3+7233	1524.1+7222	108.74	40.27	282	225	III	86		0	6	17.7
2087	1524.8+7146	1524.7+7135	107.95	40.78	284	183	II-III	77		0	6	17.6
2088	1529.2+3902	1531.0+3851	62.74	54.86	215	32	III	51		0	6	17.5
2089	1530.6+2811	1532.7+2800	43.95	54.42	282	94	II	70	0.0743	1	4	15.8
2090	1528.8+6144	1529.7+6133	96.69	46.69	154	285		41		0	0	17.1
2091	1531.9+1024	1534.3+1014	17.11	48.15	286	105	III	56		0	6	17.5
2092	1531.3+3119	1533.3+3108	49.34	54.62	270	262	II-III	55	0.0669	1	4	15.7
2093	1532.4+3712	1534.3+3702	59.48	54.41	122	257	III	90		0	5	17.2
2094	1534.0-0152	1536.6-0201	03.38	40.70	264	89	III	71		0	5	16.7
2095	1533.0+4041	1534.8+4031	65.38	53.91	175	121		38		0	0	17.8
2096	1533.5+3730	1535.4+3720	59.97	54.17	111	273	III	129		0	5	17.0
2097	1533.6+3945	1535.4+3935	63.78	53.93	170	71		36		0	0	17.8
2098	1530.9+6941	1531.1+6930	105.42	41.76	268	69	III:	64		0	6	17.7
2099	1533.9+4354	1535.6+4344	70.65	53.15	166	294	III	53		0	6	17.8
2100	1534.5+3748	1536.4+3738	60.46	53.95	99	289	III	138	0.1533	3	5	17.0

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2101	1535.7+1227	1538.1+1217	20.48	48.31	235	214		35		0	0	17.2
2102	1532.3+7020	1532.4+7009	105.99	41.26	259	104	III	69		0	6	17.7
2103	1537.3-0200	1539.9-0209	03.93	39.98	220	81		46		0	0	17.1
2104	1537.5-0308	1540.1-0317	02.84	39.22	218	21	III	89		0	6	17.4
2105	1531.6+7415	1531.0+7404	109.91	38.74	245	313	III:	56		0	5	17.2
2106	1537.0+3350	1539.0+3340	53.73	53.54	68	76	III:	69		0	5	17.2
2107	1537.6+2156	1539.8+2146	34.40	51.49	204	80	I	51	0.0421	1	4	15.7
2108	1537.8+1803	1540.1+1753	28.62	50.17	204	193	III	45	0.0919	0	4	15.7
2109	1538.2+0611	1540.7+0601	13.07	44.62	206	200		44		0	0	17.4
2110	1537.7+3052	1539.7+3042	48.78	53.21	196	237	I-II	54	0.0978	1	5	17.0
2111	1537.7+3434	1539.6+3424	54.96	53.41	62	116	II-III	148	0.229	3	6	17.8
2112	1538.0+3627	1539.9+3617	58.12	53.32	61	217		47		0	0	17.8
2113	1539.1+0450	1541.6+0440	11.67	43.69	193	128		47		0	0	17.1
2114	1538.7+4311	1540.4+4301	69.20	52.45	119	255		37		0	0	17.8
2115	1535.8+7013	1535.9+7003	105.62	41.10	244	96	II-III	84		0	6	17.8
2116	1540.5+4259	1542.2+4249	68.78	52.16	101	245	II-III	58		0	6	17.8
2117	1540.6+4355	1542.3+4345	70.26	51.97	102	295	III	50		0	6	17.8
2118	1540.8+4158	1542.5+4148	67.13	52.27	98	190		41		0	0	17.1
2119	1542.6+0940	1545.0+0930	18.08	45.49	145	66		36		0	0	17.2
2120	1542.0+3439	1543.9+3429	55.12	52.53	322	119	III	56		0	6	17.8
2121	1539.0+6957	1539.1+6947	105.12	41.05	230	81	II-III	104		0	6	17.4
2122	1542.6+3617	1544.5+3607	57.80	52.40	312	207	II-III:	68		0	5	16.6
2123	1544.4-0801	1547.1-0810	359.60	34.74	128	81		46		0	0	17.5
2124	1543.1+3613	1545.0+3603	57.69	52.30	307	203	I	50	0.0654	1	3	15.6
2125	1540.5+6628	1541.0+6618	101.21	42.98	154	216	II-III	230	0.2465	4	6	17.6
2126	1544.6+2608	1546.7+2558	41.54	50.99	118	305	III	39		0	6	17.6
2127	1538.9+7625	1537.7+7615	111.56	36.95	106	111		34		0	0	17.9
2128	1546.3-0254	1548.9-0303	04.84	37.66	99	33	I-II	39		0	5	16.5
2129	1546.2+2012	1548.4+2002	32.79	49.05	98	308	II-III	52		0	6	17.8
2130	1546.0+3643	1547.9+3633	58.49	51.71	274	228	III	52		0	6	17.8
2131	1546.7+3613	1548.6+3603	57.68	51.58	268	201	II:	69		0	6	17.5
2132	1543.5+7022	1543.5+7012	105.26	40.49	208	102		38		0	0	16.9
2133	1548.0+3626	1549.9+3616	58.02	51.31	254	213	III	50		0	6	17.8
2134	1544.7+7110	1544.6+7100	106.03	39.94	203	145	III	88		0	6	17.5
2135	1551.6+5043	1553.0+5034	79.89	48.52	200	335		40		0	0	17.6
2136	1551.9+5116	1553.3+5107	80.66	48.31	176	42	III	78		0	6	17.6
2137	1551.9+6211	1552.7+6202	95.27	44.13	283	308		40		0	0	17.1
2138	1554.7+3354	1556.6+3345	54.10	49.87	181	76		40		0	0	17.5
2139	1552.9+6532	1553.4+6523	99.22	42.41	84	168	II:	70		0	6	17.4
2140	1555.1+4848	1556.6+4839	76.87	48.47	170	232		31		0	0	17.5
2141	1555.9+3536	1557.8+3527	56.74	49.71	169	167	II	74		0	5	17.2
2142	1556.2+2722	1558.3+2713	44.22	48.70	286	48	II	89	0.0899	2	4	16.0
2143	1556.2+3732	1558.0+3723	59.73	49.67	166	271		37		0	0	16.6
2144	1552.7+7040	1552.6+7031	105.00	39.70	167	118	III	109		0	6	17.5
2145	1558.4+3324	1600.3+3315	53.41	49.07	141	50		48		0	0	16.6
2146	1555.7+6629	1556.1+6620	100.13	41.69	73	220	III	77		0	6	17.7
2147	1600.0+1602	1602.3+1553	28.81	44.49	227	83	III	52	0.0356	1	1	13.8
2148	1601.2+2536	1603.3+2527	42.00	47.23	231	273		41	0.0442	0	3	15.4
2149	1600.4+5401	1601.6+5352	83.96	46.26	109	191		42		0	0	16.1
2150	1557.7+7132	1557.4+7123	105.64	38.88	146	165	II-III	79		0	6	17.7
2151	1603.0+1753	1605.2+1744	31.60	44.52	189	181	III	87	0.0371	2	1	13.8
2152	1603.1+1635	1605.4+1626	29.92	44.02	187	112	III	60	0.0374	1	1	13.8
2153	1604.5+1413	1606.8+1405	27.11	42.77	172	307		33		0	0	16.9
2154	1602.0+6514	1602.5+6505	98.25	41.72	32	156	II-III	70		0	6	17.6
2155	1605.2+2508	1607.3+2500	41.66	46.24	182	248	III	51		0	6	17.5
2156	1601.3+7320	1600.6+7311	107.37	37.66	135	261	III	100		0	6	17.5
2157	1606.0+4759	1607.5+4751	75.13	46.87	72	190	III:	76		0	6	17.7
2158	1606.6+4308	1608.2+4300	68.04	47.41	139	249		45	0.1349	0	5	16.8
2159	1609.3+1706	1611.6+1658	31.35	42.84	108	140		34		0	0	15.9
2160	1609.5+3004	1611.5+2956	48.93	46.32	129	191	III	52		0	6	17.9
2161	1605.8+7139	1605.4+7131	105.34	38.27	112	173	II-III	84		0	6	17.5
2162	1610.5+2940	1612.5+2932	48.41	46.04	117	170	II-III	37	0.0320	0	1	13.7
2163	1612.9-0600	1615.6-0607	06.76	30.52	68	187		119	0.0698	2	6	17.5
2164	1609.6+6032	1610.4+6024	91.98	42.88	172	216		36		0	0	17.5
2165	1612.1+2648	1614.2+2640	44.50	45.12	99	338		34	0.0286	0	6	17.4
2166	1611.1+5606	1612.2+5558	86.12	44.17	33	306	III	51		0	5	17.1
2167	1612.5+3833	1614.3+3825	61.27	46.46	287	324		43		0	0	17.6
2168	1611.9+5417	1613.1+5409	83.64	44.57	315	204	III	66		0	5	16.5
2169	1612.7+4915	1614.1+4907	76.65	45.56	312	256	III	45		0	4	15.9
2170	1614.7+2318	1616.8+2310	39.97	43.67	65	151	III:	38		0	4	15.9
2171	1610.9+7147	1610.5+7139	105.22	37.86	91	181	III	62		0	6	17.9
2172	1615.1+4231	1616.7+4223	66.99	45.90	54	218	II-III	69	0.1387	1	5	17.1
2173	1617.9+0901	1620.3+0853	22.89	37.53	315	347		51		1	0	17.1
2174	1615.5+6112	1616.2+6104	92.48	41.97	134	253	II:	59		0	5	17.1
2175	1618.4+3002	1620.4+2954	49.35	44.41	26	191	II	61	0.0978	1	4	16.2
2176	1613.9+7133	1613.5+7125	104.82	37.77	77	170	II-III:	127		0	5	17.1
2177	1618.9+2552	1621.0+2544	43.73	43.42	17	289		44	0.0769	0	6	17.5
2178	1619.4+2446	1621.5+2438	42.31	43.03	325	228	II	51	0.0928	1	5	17.1
2179	1618.6+4232	1620.2+4224	66.97	45.26	315	216	III	52	0.1360	1	5	17.1
2180	1618.7+4747	1620.2+4739	74.37	44.80	263	175	III	60		0	5	17.1
2181	1612.5+7737	1610.6+7729	111.33	34.72	273	171	III:	51		0	6	17.7
2182	1620.8+1432	1623.1+1425	29.63	39.29	271	321		43		0	0	17.4
2183	1619.9+4250	1621.5+4242	67.38	45.01	302	232	II	56	0.1365	1	5	17.1
2184	1619.7+5019	1621.0+5011	77.85	44.26	249	310	II:	31	0.0550	0	4	15.9
2185	1617.1+7043	1616.8+7035	103.73	37.94	59	126	III	51		0	6	17.4
2186	1623.0+2839	1625.0+2832	47.74	43.16	274	114		49		0	0	17.1
2187	1622.6+4122	1624.3+4115	65.30	44.54	278	153		49	0.0825	0	5	17.1
2188	1623.3+3351	1625.2+3344	54.83	43.96	174	71		42		0	0	17.1
2189	1619.5+7233	1618.9+7225	105.67	36.92	60	225	III	70		0	5	17.1
2190	1624.4+4348	1626.0+4341	68.69	44.15	256	283	III	51		0	6	17.7
2191	1625.6+2559	1627.7+2552	44.39	41.99	249	291		47		0	0	17.7
2192	1625.0+4247	1626.6+4240	67.27	44.07	252	227	II-III:	62	0.1868	1	5	17.1
2193	1626.0+2153	1628.2+2146	39.18	40.76	247	71	III	53		0	5	17.1
2194	1624.0+5717	1625.0+5710	87.01	42.14	68	45		43		0	0	16.9
2195	1625.2+4839	1626.6+4832	75.39	43.62	203	220	III	76		0	6	17.4
2196	1625.7+4136	1627.4+4129	65.63	43.96	246	164	II-III	46	0.1332	0	5	16.9
2197	1626.5+4101	1628.2+4054	64.82	43.80	239	132	III	73	0.0308	1	1	13.9
2198	1626.5+4356	1628.1+4349	68.86	43.77	236	289	III:	85	0.0798	2	6	17.7
2199	1626.9+3938	1628.6+3931	62.90	43.70	236	58	I	88	0.0309	2	1	13.9
2200	1627.4+2817	1629.4+2810	47.53	42.14	223	93		48		0	0	17.1

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2201	1625.9+5534	1627.0+5527	84.67	42.30	204	269	I-II:	95		0	5	17.1
2202	1627.9+4856	1629.3+4849	75.70	43.14	179	235		41		0	0	17.1
2203	1623.7+7328	1622.9+7321	106.50	36.22	50	276	III	83		0	5	17.1
2204	1630.3+0541	1632.8+0534	21.10	33.24	151	168	II	133	0.1523	3	5	17.1
2205	1630.2+1259	1632.5+1252	29.02	36.58	148	238	III	49		0	5	16.5
2206	1629.4+4326	1631.0+4319	68.15	43.26	208	262	III	55		0	6	17.7
2207	1627.4+6532	1627.7+6525	97.19	39.19	179	160	II:	75		0	6	17.6
2208	1628.7+5837	1629.6+5830	88.51	41.19	39	118	I-II:	65		0	5	17.1
2209	1625.3+7341	1624.4+7334	106.67	36.02	298	281		40		0	0	17.9
2210	1632.3+0535	1634.8+0528	21.28	32.76	124	163		50	0.0465	1	5	17.1
2211	1632.4+4102	1634.1+4055	64.87	42.69	180	133	II-III:	54	0.1355	1	6	17.4
2212	1632.1+4922	1633.5+4915	76.18	42.41	143	259	II-III:	50		0	5	16.9
2213	1634.9+4123	1636.5+4116	65.36	42.23	154	151	III	75	0.1597	1	6	17.7
2214	1636.0+3800	1637.8+3754	60.83	41.83	39	295		38		0	0	17.6
2215	1636.7+4809	1638.1+4803	74.46	41.76	101	194	II-III	68		0	5	17.1
2216	1634.5+6746	1634.5+6739	99.53	37.73	142	280	III	78		0	6	17.4
2217	1638.7+2800	1640.7+2754	47.91	39.65	89	78	III	73		0	5	17.1
2218	1635.7+6619	1635.9+6612	97.75	38.12	134	203	II:	214	0.171	4	6	17.7
2219	1638.9+4647	1640.4+4641	72.60	41.47	78	122	III	159		0	6	17.4
2220	1638.5+5351	1639.6+5345	81.96	40.84	106	178		42	0.0106	0	6	17.5
2221	1639.5+4321	1641.1+4315	68.02	41.42	110	258	III	73		0	6	17.7
2222	1639.5+4253	1641.1+4247	67.40	41.41	109	233	III	69		0	6	17.7
2223	1640.5+2731	1642.5+2725	47.43	39.15	67	53	III	36		0	5	16.5
2224	1641.1+1326	1643.4+1320	30.87	34.35	320	261	III	138	0.1504	3	6	17.4
2225	1638.7+5551	1639.7+5545	84.55	40.48	108	285	II-III:	50		0	6	17.5
2226	1638.3+6709	1638.4+6703	98.64	37.60	121	248		43		0	0	17.6
2227	1641.8+5122	1643.0+5116	78.62	40.66	75	45	III	71		0	6	17.4
2228	1645.8+3001	1647.8+2955	50.90	38.60	310	185	I-II:	55		0	5	16.9
2229	1642.6+6543	1642.8+6537	96.75	37.65	95	172		43		0	0	17.7
2230	1645.8+4841	1647.2+4835	75.04	40.22	321	222	III	51		0	5	16.8
2231	1645.5+5635	1646.5+5629	85.28	39.42	59	327	III	51		0	6	17.9
2232	1646.9+6150	1647.5+6144	91.84	38.21	218	281		70		1	0	18.1
2233	1650.9+4315	1652.5+4310	67.97	39.35	291	250	III	33		0	6	17.4
2234	1649.8+5631	1650.8+5625	85.08	38.85	307	320	II-III:	51		0	6	17.7
2235	1653.3+4006	1655.0+4001	63.97	38.67	272	81	III	73	0.1511	1	5	17.1
2236	1651.0+7133	1650.4+7128	103.34	35.09	205	158	I:	59		0	5	17.1
2237	1654.3+5519	1655.3+5514	83.45	38.38	277	254	III	54		0	6	17.7
2238	1655.9+3718	1657.6+3713	60.50	37.84	124	252	II-III	68		0	6	17.4
2239	1654.4+5859	1655.2+5854	88.06	37.86	165	128	II:	39		0	5	17.1
2240	1654.0+6649	1654.1+6644	97.67	36.24	38	237	III	165	0.138	3	6	17.4
2241	1657.8+3237	1659.7+3232	54.79	36.64	171	322		30	0.0635	0	3	15.6
2242	1656.5+5430	1657.6+5425	82.37	38.15	262	209	III	38		0	5	16.9
2243	1700.0+3508	1701.8+3503	57.98	36.68	78	137	II	63		0	5	17.1
2244	1700.9+3407	1702.7+3402	56.78	36.31	67	83	I-II:	89	0.0970	2	5	16.6
2245	1700.9+3336	1702.7+3331	56.15	36.20	66	55	II	63		0	5	16.5
2246	1700.4+6417	1700.7+6412	94.43	36.19	288	92	II-III	146	0.225	3	6	17.6
2247	1652.0+8139	1647.4+8133	114.49	31.22	219	56	III	35	0.0392	0	3	15.3
2248	1659.9+7705	1657.8+7700	109.36	32.65	136	135	II	34	0.0663	0	3	15.5
2249	1707.9+3431	1709.7+3427	57.61	34.97	298	101	III	39	0.0809	0	3	15.4
2250	1709.1+3945	1710.8+3941	63.98	35.62	109	61	III:	52	0.0654	1	5	16.5
2251	1710.5+2452	1712.6+2448	46.60	31.95	19	230	II	60		0	6	17.6
2252	1712.6+4927	1713.9+4923	75.96	35.83	84	260	II-III	63	0.1147	1	6	17.5
2253	1713.4+3843	1715.1+3839	62.89	34.64	234	325	III	45		0	5	16.5
2254	1715.5+1946	1717.7+1942	41.46	29.15	180	274		124		2	0	17.7
2255	1712.2+6409	1712.5+6405	93.98	34.95	219	81	II-III:	102	0.0800	2	3	15.3
2256	1706.6+7847	1703.7+7843	111.10	31.74	123	227	II-III:	88	0.0601	2	3	15.3
2257	1716.1+3238	1718.0+3234	55.85	32.89	257	321		61	0.0054	1	5	17.1
2258	1717.0+3146	1718.9+3142	54.90	32.49	248	274		57		1	0	17.7
2259	1718.2+2742	1720.2+2739	50.37	31.15	237	56		58		1	0	17.1
2260	1714.3+7211	1713.5+7207	103.45	33.18	109	194	III	82		0	5	17.1
2261	1720.6+3212	1722.5+3209	55.62	31.86	206	296		128		2	0	17.4
2262	1721.2+2348	1723.3+2345	46.33	29.30	205	168	II-III:	102		0	6	17.4
2263	1721.2+2659	1723.2+2656	49.81	30.30	205	339	II	46	0.1051	0	5	16.9
2264	1721.8+2914	1723.7+2911	52.35	30.83	194	137		41		0	0	17.7
2265	1713.7+7729	1711.4+7725	109.52	31.80	97	160		47		0	0	17.4
2266	1722.8+3209	1724.7+3206	55.70	31.40	181	294	III	83	0.1671	2	6	17.5
2267	1722.4+6104	1723.0+6101	90.10	34.14	269	237		55		1	0	17.9
2268	1725.8+5523	1726.8+5520	83.23	33.91	37	259	II-III	61		0	6	17.7
2269	1726.5+4912	1727.8+4909	75.80	33.55	259	243		44		0	0	17.9
2270	1726.3+5513	1727.3+5510	83.03	33.83	32	250		49	0.0377	0	6	17.7
2271	1719.9+7804	1717.3+7800	110.06	31.32	84	193	I	35	0.0568	0	4	15.7
2272	1731.3+4038	1732.9+4035	65.85	31.58	190	104	III:	53		0	5	16.5
2273	1732.2+4225	1733.8+4223	67.95	31.73	179	200		33		0	0	17.4
2274	1726.3+7728	1723.9+7725	109.28	31.15	61	164	III	110		0	5	17.2
2275	1734.9+5313	1736.0+5311	80.69	32.51	260	135	II-III	38		0	5	16.5
2276	1734.6+6404	1734.9+6402	93.56	32.53	88	78	II	51		0	6	17.4
2277	1733.0+7056	1732.4+7054	101.66	31.96	318	126	III	50		0	6	17.5
2278	1738.6+3955	1740.2+3953	65.35	30.08	114	66	III:	49		0	6	17.5
2279	1741.5+2446	1743.6+2444	49.10	25.26	275	217		50		1	0	17.3
2280	1742.8+6346	1743.1+6344	93.16	31.64	39	65	II-III	79		0	6	17.9
2281	1742.8+6440	1743.0+6438	94.22	31.61	43	113		33		0	0	17.6
2282	1743.6+7149	1742.8+7147	102.56	31.01	267	168	III	79		0	6	17.4
2283	1744.9+6940	1744.5+6938	100.05	31.11	272	53	I	65	0.1830	1	6	17.4
2284	1751.3+5417	1752.3+5416	82.16	30.18	130	191	III:	40		0	5	16.9
2285	1752.8+4250	1754.3+4249	69.26	28.09	272	220	II	37		0	5	17.0
2286	1752.2+5205	1753.3+5204	79.66	29.79	120	74	II:	69		0	5	16.9
2287	1743.5+7936	1740.0+7934	111.49	29.86	258	264		48		0	0	17.5
2288	1752.4+5942	1753.1+5941	88.43	30.45	70	164	III:	50		0	5	16.9
2289	1753.2+5805	1754.0+5804	86.57	30.25	60	78		63		1	0	17.5
2290	1751.6+7320	1750.4+7319	104.24	30.26	229	247		44		0	0	17.1
2291	1755.7+5109	1756.9+5108	78.68	29.13	296	345		82		2	0	17.6
2292	1756.2+5350	1757.2+5349	81.74	29.42	91	168		66		1	0	17.1
2293	1800.5+5738	1801.3+5738	86.15	29.24	321	51	III:	38		0	4	16.2
2294	1736.1+8555	1723.3+8552	118.59	28.61	153	284	II:	97		0	6	17.7
2295	1800.3+6913	1759.9+6913	99.45	29.78	228	346	II-III	48	0.0508	0	4	16.2
2296	1756.5+7741	1754.0+7740	109.20	29.51	237	158		30		0	0	15.9
2297	1804.4+4222	1805.9+4222	69.31	25.91	157	193	III:	40		0	5	17.0
2298	1805.6+5013	1806.8+5013	77.93	27.43	214	292	II-III:	37		0	6	17.4
2299	1807.6+4356	1809.1+4356	71.16	25.73	127	278		60		1	0	17.3
2300	1806.6+7640	1804.5+7640	107.98	29.04	211	101	III	62		0	5	17.1

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2301	1815.2+6938	1814.8+6939	99.95	28.48	131	47	II:	34	0.0874	0	4	15.8
2302	1819.1+5707	1819.9+5708	85.96	26.69	207	339	III	119		0	6	17.4
2303	1806.9+8253	1800.5+8253	115.04	28.47	88	130		44		0	0	16.7
2304	1819.9+6854	1819.6+6855	99.15	28.02	135	329	II	34		0	5	17.0
2305	1823.5+7120	1822.8+7121	101.92	27.87	98	140	III:	53		0	5	17.0
2306	1826.6+7441	1825.1+7442	105.71	27.82	100	321	III:	47		0	5	17.0
2307	1833.5+6108	1834.1+6110	90.73	25.59	93	234	II:	50		0	6	17.8
2308	1834.2+7059	1833.6+7101	101.61	26.98	51	126	II-III	39		0	4	16.4
2309	1844.5+7739	1842.1+7742	109.13	26.95	100	157	III:	41		0	4	15.8
2310	1848.5+7315	1847.4+7318	104.28	26.18	273	238	II	67		0	5	17.0
2311	1850.2+7019	1849.7+7022	101.08	25.58	282	81	III	60		0	4	16.0
2312	1853.8+6818	1853.6+6821	98.96	24.88	224	291	III	74		0	4	15.8
2313	1853.0+7820	1850.3+7823	109.94	26.59	81	196	III	89		0	6	17.4
2314	1854.5+7856	1851.5+7859	110.62	26.59	82	229	III	121		0	5	17.2
2315	1901.2+6953	1900.8+6957	100.82	24.57	234	54	III	66		0	4	16.3
2316	1858.9+7958	1855.3+8002	111.79	26.52	80	285	II-III	85		0	6	17.4
2317	1908.5+6859	1908.3+6903	100.03	23.74	152	326	II	186	0.211	3	6	17.6
2318	1907.8+7804	1905.3+7808	109.78	25.80	293	176	III	68		0	5	17.0
2319	1919.2+4352	1920.8+4357	75.68	13.58	307	266	II-III	68	0.0564	1	3	15.4
2320	1917.0+7054	1916.5+7059	102.26	23.54	161	107		85	0.071	2	5	16.9
2321	1932.2+7318	1931.3+7324	105.13	23.14	104	238	II-III	65		0	6	17.6
2322	2001.0+7304	2000.4+7312	105.73	21.12	260	18	III	56		0	6	17.6
2323	2000.1+8003	1957.1+8011	112.63	23.98	153	271		36		0	0	17.3
2324	2021.4-2028	2024.3-2018	23.70	-29.16	272	23		50		1	0	16.8
2325	2027.2-2505	2030.2-2454	19.15	-31.95	163	102		30		0	0	16.8
2326	2030.0+6942	2030.2+6952	103.80	17.47	143	34		58		1	0	17.4
2327	2031.2+8226	2027.0+8236	115.54	23.94	90	87		67		1	0	16.8
2328	2045.4-1800	2048.2-1748	28.78	-33.56	273	153		81	0.047	2	4	16.4
2329	2053.0-1011	2055.7-0959	38.18	-32.10	173	251		56		1	0	17.5
2330	2054.9-2214	2057.8-2202	24.83	-37.10	140	253	II-III	91	0.1138	2	6	17.4
2331	2055.5-0757	2058.2-0745	40.85	-31.65	139	49		30		0	0	16.3
2332	2056.7-1708	2059.5-1656	30.96	-35.75	128	200		37		0	0	17.5
2333	2058.0-1926	2100.8-1914	28.43	-36.86	113	77	II	57		0	5	16.8
2334	2101.3-2527	2104.2-2515	21.45	-39.44	64	79	III	76		0	6	17.4
2335	2103.2-2159	2106.1-2146	25.89	-38.85	37	265	II-III	114		0	6	17.4
2336	2104.4-2122	2107.3-2109	26.75	-38.92	21	297	III	79		0	6	17.4
2337	2114.6-2233	2117.5-2220	26.24	-41.53	218	234	II-III:	54		0	6	17.4
2338	2118.1-2620	2121.0-2607	21.59	-43.32	175	31	III	64		0	5	17.0
2339	2118.3-2140	2121.1-2127	27.71	-42.08	172	282	II-III	76	0.1128	1	5	17.0
2340	2118.5-1300	2121.2-1247	38.36	-38.95	154	98	III	50		0	5	17.1
2341	2118.8-2324	2121.7-2311	25.52	-42.70	166	189	II-III	101		0	5	17.0
2342	2119.2-1252	2121.9-1239	38.60	-39.05	145	105	III:	104		0	6	17.5
2343	2119.8-0536	2122.4-0523	46.81	-35.82	134	173	III	62		0	5	17.1
2344	2122.8-2100	2125.6-2047	29.02	-42.87	116	317	II	75	0.1447	1	6	17.6
2345	2124.4-1221	2127.1-1207	39.91	-39.98	77	132	III	107		0	5	16.9
2346	2125.2-1315	2127.9-1301	38.95	-40.53	67	84	III	40		0	5	16.5
2347	2126.7-2226	2129.5-2212	27.52	-44.17	68	240	III:	79	0.1196	1	4	16.4
2348	2127.0-1116	2129.7-1102	41.55	-40.07	42	191		47		0	0	17.1
2349	2128.9+0343	2131.4+0356	57.76	-32.64	330	29	III	63		0	5	17.1
2350	2129.4-0607	2132.0-0553	47.75	-38.14	326	144		40		0	0	17.1
2351	2131.7-1337	2134.4-1323	39.39	-42.12	294	62	III	50		0	5	17.1
2352	2131.7-1603	2134.5-1549	36.37	-43.10	294	253		45		0	0	17.5
2353	2131.8-0149	2134.4-0135	52.74	-36.39	293	52	II-III	51		0	5	16.8
2354	2133.1-1508	2135.8-1454	37.70	-43.05	277	303	III	81		0	5	17.1
2355	2132.8+0110	2135.3+0123	55.95	-34.92	279	213	III	112	0.1244	2	6	17.7
2356	2133.2-0006	2135.8+0007	54.74	-35.72	275	144	II-III:	89	0.1161	2	5	17.1
2357	2133.8-2328	2136.6-2314	26.77	-46.03	300	182	II	57		0	5	17.0
2358	2134.3-1606	2137.0-1552	36.64	-43.70	261	251	II-III	59		0	6	17.5
2359	2133.7+1413	2136.1+1426	68.05	-26.97	261	270		34		0	0	17.6
2360	2134.4-1517	2137.1-1503	37.69	-43.40	260	295	III	64		0	6	17.7
2361	2136.4-1433	2139.1-1419	38.88	-43.55	233	13	II-III	50		0	5	16.7
2362	2138.0-1430	2140.7-1416	39.16	-43.88	212	16	II	69		0	5	16.9
2363	2138.4-0833	2141.1-0819	46.44	-41.29	207	13	III	63		0	5	17.1
2364	2139.2-2032	2142.0-2018	31.35	-46.36	197	14	I:	72		0	6	17.4
2365	2140.2-1855	2143.0-1841	33.67	-46.04	185	101	III	94		0	5	17.0
2366	2140.2-0706	2142.8-0652	48.41	-40.96	182	91	I-II	47	0.0542	0	4	15.9
2367	2140.2-0819	2142.9-0805	47.00	-41.56	182	26	III	55		0	5	17.1
2368	2141.3-2012	2144.1-1958	32.04	-46.71	171	32	III	55		0	6	17.5
2369	2141.8-1834	2144.6-1820	34.33	-46.27	165	120	III:	61		0	5	17.0
2370	2142.1-1942	2144.9-1928	32.82	-46.73	161	59		41		0	0	17.1
2371	2142.3-2426	2145.1-2412	26.14	-48.16	195	132	III	61		0	5	17.1
2372	2142.5-2012	2145.3-1958	32.17	-46.98	156	32		41		0	0	16.5
2373	2142.1+0050	2144.7+0103	57.28	-37.00	155	196	III	79		0	6	17.5
2374	2142.6-0739	2145.2-0725	48.17	-41.75	150	61	III	50		0	5	17.1
2375	2143.2-1922	2146.0-1908	33.40	-46.86	147	76	III	61		0	5	17.1
2376	2143.2-0940	2145.9-0926	45.90	-42.87	144	275	I-II	59		0	5	17.1
2377	2143.3-1016	2146.0-1002	45.19	-43.17	143	242	II	94	0.0808	2	5	16.9
2378	2144.5-2013	2147.3-1959	32.37	-47.43	131	31		37		0	0	16.5
2379	2144.9+0031	2147.5+0044	57.48	-37.75	118	178		45		0	0	17.1
2380	2147.8-0457	2150.4-0442	52.16	-41.44	81	206	II-III	73		0	6	17.7
2381	2148.4+0203	2150.9+0217	59.69	-37.54	71	261	I:	67		0	5	17.1
2382	2149.3-1553	2152.0-1538	38.93	-46.93	68	263	II-III	50	0.0648	1	4	16.0
2383	2149.4-2126	2152.2-2111	31.18	-48.90	107	292	III	78		0	5	16.9
2384	2149.5-1947	2152.3-1932	33.56	-48.40	68	54	II-III	61	0.0943	1	4	15.9
2385	2150.3-2346	2153.1-2331	27.83	-49.75	98	167	II-III	60		0	5	17.1
2386	2149.5+2454	2151.8+2508	79.30	-22.14	109	199		73		1	0	17.6
2387	2141.3+8253	2138.7+8306	117.39	22.43	244	95		101		2	0	17.0
2388	2151.1+0800	2153.6+0814	65.90	-34.28	34	259	II-III	46	0.0615	0	5	16.5
2389	2151.5-0412	2154.1-0357	53.67	-41.80	32	246	II-III	86		0	6	17.4
2390	2151.2+1726	2153.6+1740	73.94	-27.83	34	122		72		1	0	17.6
2391	2151.9-1529	2154.6-1514	39.83	-47.35	34	284		46		0	0	17.2
2392	2151.8+0023	2154.4+0037	58.65	-39.22	26	172	III	70		0	6	17.7
2393	2152.2-0335	2154.8-0320	54.49	-41.61	21	279	III	52		0	6	17.7
2394	2152.9-1928	2155.7-1913	34.42	-49.05	25	70	I-II:	57		0	5	17.1
2395	2152.8+0831	2155.3+0845	66.71	-34.26	330	285		50		1	0	17.1
2396	2153.2+1215	2155.6+1229	70.07	-31.80	321	164		50		1	0	17.5
2397	2153.6+0106	2156.1+0120	59.74	-39.15	322	209	I	146	0.224	3	6	17.9
2398	2153.6+0617	2156.1+0631	64.81	-35.88	320	165		41		0	0	17.1
2399	2154.9-0802	2157.5-0747	49.84	-44.57	305	40	III	52	0.0587	1	3	15.6
2400	2155.1-1137	2157.8-1122	45.42	-46.36	312	169	II:	56	0.0881	1	5	16.5

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2401	2156.1-2020	2158.9-2005	33.54-50.04	286	22	II		56		0	5	16.5
2402	2156.0-1000	2158.7-0945	47.62-45.79	302	254			32		0	0	16.5
2403	2156.2-1826	2158.9-1811	36.32-49.42	285	124			40		0	0	17.1
2404	2156.7-1439	2159.4-1424	41.67-48.06	290	5			46		0	0	17.8
2405	2156.8-1804	2159.5-1749	36.92-49.42	278	144			41		0	0	17.1
2406	2158.5+1104	2201.0+1118	70.11-33.56	251	101			56		1	0	17.7
2407	2158.6+0709	2201.1+0723	66.63-36.24	253	211	III		52		0	5	17.1
2408	2158.8+0556	2201.3+0610	65.54-37.08	252	146			37		0	0	17.1
2409	2158.6+2043	2200.9+2057	77.91-26.65	247	295	II		91		0	5	16.8
2410	2159.4-1008	2202.1-0953	48.05-46.58	257	248	III		54	0.0806	1	4	16.0
2411	2159.9-0846	2202.5-0831	49.85-46.00	238	0	III		63		0	6	17.5
2412	2201.4-2141	2204.2-2126	32.11-51.64	281	277			43	0.0735	0	4	15.9
2413	2201.7+1104	2204.2+1118	70.77-34.12	211	99			48		0	0	17.4
2414	2202.2+0834	2204.7+0848	68.67-35.94	205	287			45		0	0	17.1
2415	2202.8-0550	2205.4-0535	53.94-45.05	201	157	III		40	0.0597	0	4	15.9
2416	2202.2-2528	2205.0-2513	26.22-52.78	277	77	I		57		0	6	17.5
2417	2204.5-2440	2207.3-2425	27.70-53.11	240	117			32		0	0	17.1
2418	2206.2-2626	2209.0-2611	24.94-53.86	220	23	II-III:		61		0	6	17.5
2419	2206.9+1733	2209.3+1747	77.15-30.31	141	126	III		50		0	5	16.9
2420	2207.7-1226	2210.4-1211	46.49-49.47	147	125	I		88	0.0838	2	5	16.8
2421	2208.0-1056	2210.7-1041	48.55-48.82	143	206	III		47		0	5	16.8
2422	2208.1+0606	2210.6+0620	67.65-38.69	128	155	II-III:		58		0	6	17.7
2423	2208.2+0531	2210.7+0545	67.12-39.10	126	124	III		62		0	6	17.7
2424	2210.4+1249	2212.8+1303	74.09-34.36	96	193			56		1	0	17.4
2425	2211.1+0542	2213.6+0556	67.93-39.51	88	133	II-III		53		0	6	17.7
2426	2211.8-1037	2214.5-1022	49.68-49.47	83	222	III		114		0	5	16.8
2427	2212.7-2406	2215.5-2351	29.39-54.79	141	148			34		0	0	17.7
2428	2213.6-0936	2216.2-0921	51.37-49.33	68	276	II:		51		0	5	17.2
2429	2214.6+0849	2217.1+0904	71.57-37.96	41	301	III		120		0	6	17.7
2430	2215.6-0932	2218.2-0916	51.86-49.72	42	280			48		0	0	17.6
2431	2215.5+0841	2218.0+0856	71.65-38.21	29	294	III		90		0	6	17.7
2432	2215.5+0712	2218.0+0727	70.31-39.26	28	214	III		50		0	6	17.7
2433	2216.0+1346	2218.4+1401	76.09-34.59	24	245	II-III:		43		0	5	17.1
2434	2216.6-1428	2219.3-1412	45.18-52.32	31	15	III		59		0	5	17.0
2435	2216.5+0852	2219.0+0907	72.04-38.25	16	304	III:		65		0	6	17.7
2436	2217.9-0303	2220.5-0247	60.33-46.49	319	305	III		56		0	5	16.9
2437	2218.4+1250	2220.9+1305	75.86-35.67	307	193			43		0	0	17.5
2438	2219.2-1550	2221.9-1534	43.59-53.48	299	262	III:		61		0	5	17.2
2439	2220.0+0018	2222.6+0033	64.51-44.77	291	164	II-III:		50		0	6	17.5
2440	2221.3-0151	2223.9-0135	62.46-46.40	273	48	II		32	0.0904	0	4	16.0
2441	2223.1-0332	2225.7-0316	60.94-47.81	249	279	III		65		0	5	17.2
2442	2223.2-0650	2225.8-0634	56.95-49.80	248	103	II-III		52		0	5	17.2
2443	2223.7+1705	2226.1+1720	80.38-33.27	235	99	II		117	0.108	2	5	16.5
2444	2224.8-2406	2227.6-2350	30.57-57.47	310	146	III:		76	0.324	1	6	17.9
2445	2224.4+2534	2226.7+2549	86.48-26.62	318	234			75		1	0	17.8
2446	2227.1-0527	2229.7-0511	59.56-49.77	196	176	III		57		0	5	17.2
2447	2228.0+0349	2230.5+0404	70.02-43.85	182	31	II-III		74		0	6	17.7
2448	2229.1-0842	2231.7-0826	55.83-52.07	170	2	II:		36	0.0810	0	4	16.0
2449	2229.9+1438	2232.4+1453	79.92-36.11	155	289			49		0	0	17.1
2450	2230.4-0918	2233.0-0902	55.31-52.67	154	292	III		64		0	6	18.0
2451	2230.7+0309	2233.2+0324	70.02-44.80	147	317			39		0	0	17.7
2452	2231.1-0903	2233.7-0847	55.81-52.67	144	305	II		60		0	6	18.0
2453	2230.9+1620	2233.3+1635	81.45-34.93	142	58			49		0	0	17.1
2454	2231.7+0532	2234.2+0547	72.58-43.27	133	123	III		88		0	5	17.1
2455	2232.2-1357	2234.9-1341	48.91-55.44	131	42	III:		78		0	5	17.2
2456	2232.4-1533	2235.1-1517	46.41-56.22	130	278	I		50		0	5	17.2
2457	2233.2+0113	2235.8+0128	68.66-46.60	113	213	I-II:		53	0.0597	1	4	16.0
2458	2233.2+1816	2235.6+1831	83.40-33.72	113	162			44		0	0	16.9
2459	2233.9-1555	2236.6-1539	46.11-56.71	110	258	III		33	0.0736	0	4	16.0
2460	2235.2+1740	2237.6+1755	83.43-34.48	87	130	III		52		0	5	16.9
2461	2236.1-2121	2238.8-2105	36.97-59.23	172	294	II-III:		62		0	5	17.1
2462	2236.4-1737	2239.1-1721	43.71-57.97	79	167	I-II:		40	0.0698	0	4	16.2
2463	2236.2+0327	2238.7+0342	71.70-45.55	73	333			33		0	0	17.7
2464	2236.6-0413	2239.2-0357	63.38-50.86	69	243	III		102		0	6	17.8
2465	2236.9-0600	2239.5-0544	61.23-52.04	65	147	III		65		0	6	17.8
2466	2237.8-2110	2240.5-2054	37.55-59.55	151	304			37		0	0	17.7
2467	2237.6+0548	2240.1+0603	74.32-44.07	54	138			44		0	0	17.1
2468	2238.0+0757	2240.5+0812	76.38-42.52	50	253	II:		61		0	6	17.7
2469	2238.0+1200	2240.5+1215	79.79-39.40	50	149	II:		61	0.0656	1	5	17.1
2470	2238.1+1659	2240.5+1714	83.61-35.44	50	94	II-III		61		0	5	17.1
2471	2239.3+0700	2241.8+0715	75.86-43.45	32	202	III		92	0.1078	2	6	17.7
2472	2239.4+1716	2241.8+1731	84.13-35.40	33	109	III		73		0	6	17.9
2473	2239.8-1348	2242.5-1332	50.75-56.99	31	50	III		103		0	6	17.6
2474	2240.3-2028	2243.0-2012	39.24-59.88	31	14	III		82		0	6	17.3
2475	2240.1+0712	2242.6+0727	76.25-43.43	22	213	III		70		0	6	17.9
2476	2240.6+1331	2243.1+1346	81.63-38.59	17	230	III:		81		0	6	17.5
2477	2241.3-1723	2244.0-1707	45.03-58.94	322	178			35		0	0	16.9
2478	2241.9-1758	2244.6-1742	44.11-59.31	314	147	II-III:		76		0	6	17.3
2479	2242.6+1656	2245.1+1711	84.66-36.11	300	91			44		0	0	16.5
2480	2243.4-1757	2246.1-1741	44.42-59.63	295	148	II		51		0	5	16.9
2481	2244.1-2155	2246.8-2139	37.02-61.18	73	264	II-III		68		0	6	17.5
2482	2244.5-0317	2247.1-0301	66.58-51.73	284	292	III		112		0	6	17.8
2483	2244.8+0443	2247.3+0458	75.20-46.07	279	79	III		61		0	6	17.9
2484	2245.7+0108	2248.3+0123	71.86-48.86	268	208	III		68		0	6	18.0
2485	2245.9-1623	2248.6-1607	47.72-59.50	264	233			31		0	0	17.2
2486	2246.3+1654	2248.8+1709	85.54-36.64	254	88			40		0	0	17.1
2487	2246.7-2113	2249.4-2057	38.80-61.54	39	300			37		0	0	17.5
2488	2246.8-2349	2249.5-2333	33.51-62.29	41	161	III		94		0	6	17.5
2489	2246.6-0541	2249.2-0525	64.16-53.71	256	163	II-III		65		0	6	18.0
2490	2246.7-0403	2249.3-0347	66.25-52.65	255	250	II		56		0	5	17.2
2491	2247.0+1837	2249.4+1852	86.89-35.31	243	180			44		0	0	17.5
2492	2247.8-1931	2250.5-1915	42.31-61.19	238	64			46		0	0	16.5
2493	2248.0-2618	2250.7-2602	28.33-63.05	29	27			48		0	0	17.1
2494	2247.8+1615	2250.3+1630	85.45-37.38	235	53	III		65		0	6	17.4
2495	2247.9+1038	2250.4+1053	81.22-41.96	235	74			48		0	0	16.5
2496	2248.3-1640	2251.0-1624	47.73-60.14	233	217	I-II		104	0.1233	2	5	17.2
2497	2248.5-2011	2251.2-1955	41.14-61.59	229	29			44		0	0	17.4
2498	2249.5+1404	2252.0+1419	84.30-39.41	214	258	III		69		0	6	17.9
2499	2250.4-2614	2253.1-2558	28.67-63.58	312	30	III:		79		0	5	17.1
2500	2251.1-2544	2253.8-2528	29.83-63.65	304	57	II-III:		71		0	5	16.9

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2501	2251.5+1512	2254.0+1527	85.64-38.75	188	318	III:	57		0	6	17.9
2502	2252.4-1649	2255.1-1632	48.34-61.09	181	209	III:	58		0	5	16.6
2503	2252.4+2912	2254.8+2928	94.53-26.89	290	105	I-III	47		0	4	16.4
2504	2253.5-1511	2256.1-1454	51.56-60.56	166	297		48		0	0	17.2
2505	2253.9-0048	2256.5-0031	72.09-51.68	158	103	III	55		0	6	17.6
2506	2254.1+1304	2256.6+1320	84.76-40.87	154	204	II:	76		1	5	17.1
2507	2254.2+0514	2256.7+0530	78.29-47.18	153	106	II-III:	92		0	6	17.6
2508	2254.8+1413	2257.3+1429	85.79-40.01	145	266	II-III	64		0	6	17.5
2509	2255.2-2200	2257.9-2143	38.51-63.66	256	258	III	70	0.2306	1	5	17.1
2510	2255.7+0010	2258.3+0026	73.68-51.28	134	156	III	59		0	6	17.8
2511	2256.3-0753	2258.9-0736	63.92-56.97	126	45		31		0	0	16.0
2512	2257.1+0950	2259.6+1006	83.07-43.94	114	31	II	53		0	5	17.1
2513	2257.0+2559	2259.4+2615	93.78-30.20	240	253		69		1	0	17.9
2514	2257.6-2328	2300.3-2311	35.64-64.60	226	180	III	64		0	6	17.6
2515	2257.3+3047	2259.7+3103	96.42-26.00	232	189	III:	137		0	6	17.6
2516	2257.5+1815	2260.0+1831	89.25-36.96	111	161	II	52		0	5	17.1
2517	2257.7+1022	2300.2+1038	83.66-43.59	107	60		45		0	0	17.5
2518	2258.1-2426	2300.8-2409	33.50-64.94	219	128	III	78	0.1351	1	5	17.2
2519	2258.3-1521	2300.9-1504	52.44-61.64	104	288		37		0	0	17.2
2520	2258.2+1344	2300.7+1400	86.34-40.87	100	240	II-III	74		0	6	17.7
2521	2259.6-2215	2302.3-2158	38.67-64.70	202	245	I	103	0.1359	2	5	16.9
2522	2259.4+1347	2301.9+1403	86.70-40.99	85	243	I-II	51		0	6	17.7
2523	2300.9-1726	2303.5-1709	49.11-63.18	71	176	II-III:	58		0	5	17.0
2524	2300.7+1728	2303.2+1744	89.56-38.02	69	119	III	60		0	5	16.5
2525	2301.0-1051	2303.6-1034	60.86-59.72	67	207	III	31		0	4	16.0
2526	2301.4-2418	2304.1-2401	34.22-65.64	179	136	III	53		0	6	17.4
2527	2302.5-2535	2305.2-2518	31.26-66.15	166	67	III:	68		0	6	17.7
2528	2303.0-2140	2305.7-2123	40.56-65.27	160	277		39	0.0955	0	5	16.8
2529	2303.7-1331	2306.3-1314	57.18-61.80	32	64	II:	81		0	5	17.2
2530	2303.6+1920	2306.1+1936	91.49-36.75	34	220	III	51		0	5	17.1
2531	2304.3-2157	2307.0-2140	40.14-65.65	144	262	III	73	0.1741	1	5	17.1
2532	2304.2+2814	2306.6+2830	96.61-28.96	152	52		69		1	0	17.5
2533	2304.6-1529	2307.2-1512	53.83-63.02	23	280	I	59		0	5	17.2
2534	2304.9-2256	2307.6-2239	37.94-66.07	136	209	II-III	110	0.1976	2	6	17.5
2535	2304.4+4023	2306.7+4039	102.34-17.99	172	60		52		1	0	16.9
2536	2305.1-2242	2307.8-2225	38.53-66.05	134	221	III	102	0.1971	2	6	17.5
2537	2305.7-0227	2308.3-0210	73.83-54.89	321	14	III	51		0	6	18.0
2538	2306.0-2009	2308.7-1952	44.55-65.40	311	29	II-III	72	0.0817	1	5	16.5
2539	2306.1-2145	2308.8-2128	40.93-65.98	121	272	II-III:	66	0.1735	1	5	16.9
2540	2306.8-2226	2309.5-2209	39.44-66.35	113	236	II:	70	0.1297	1	5	17.1
2541	2307.4-2314	2310.1-2257	37.62-66.71	106	193	III	83	0.1018	2	5	17.1
2542	2307.4-2446	2310.1-2429	33.82-67.08	100	97	III	57	0.1603	1	5	17.1
2543	2307.4-1511	2310.0-1454	55.18-63.45	296	296	II:	54		0	5	17.2
2544	2307.7-1105	2310.3-1048	62.51-61.16	294	194		31		0	0	17.2
2545	2307.6+0507	2310.1+0523	82.17-49.30	295	100		35		0	0	17.6
2546	2308.1-2256	2310.8-2239	38.46-66.78	97	209	II-III	90	0.1119	2	5	17.1
2547	2308.2-2124	2310.9-2107	42.14-66.33	95	291	III	84	0.1492	2	5	16.9
2548	2308.7-2042	2311.4-2025	43.87-66.19	296	0	II-III:	65	0.1101	1	5	16.9
2549	2308.7-1305	2311.3-1248	59.42-62.55	280	87	III	57		0	5	17.0
2550	2308.9-2201	2311.6-2144	40.81-66.68	87	258	II-III:	122	0.1543	2	5	16.9
2551	2308.8+0736	2311.3+0752	84.67-47.42	278	233	III	58		0	6	17.5
2552	2308.9+0319	2311.4+0335	80.93-50.94	278	324	II-III:	94		0	6	18.0
2553	2309.7-2513	2312.4-2456	32.97-67.68	79	86	I-II:	76		0	6	17.3
2554	2309.8-2145	2312.5-2128	41.62-66.79	76	272	II:	159	0.1060	3	5	16.9
2555	2310.1-2229	2312.8-2212	39.90-67.09	72	233	II-III	72	0.1385	1	5	16.9
2556	2310.4-2154	2313.1-2137	41.38-66.97	68	264	II-III:	67	0.0865	1	5	16.9
2557	2310.4-1715	2313.0-1658	51.88-65.11	256	186	III:	57		0	5	17.2
2558	2310.3+1002	2312.8+1018	87.04-45.58	258	42		47		0	0	17.1
2559	2310.5-1358	2313.1-1341	58.37-63.42	256	40	I-II	73	0.0796	1	5	17.0
2560	2310.6-1615	2313.2-1558	53.99-64.66	254	239	III	81		0	6	17.5
2561	2311.1+1428	2313.6+1444	90.41-41.87	245	280		47		0	0	17.5
2562	2311.2+3209	2313.6+3225	100.05-26.06	74	263		76		1	0	17.4
2563	2311.8-1433	2314.4-1416	57.68-64.00	239	9		48		0	0	17.2
2564	2312.3+1349	2314.8+1405	90.32-42.58	231	245		41		0	0	17.1
2565	2313.2-2123	2315.8-2106	43.19-67.42	32	290		40	0.0271	0	5	16.9
2566	2313.3-2039	2315.9-2022	44.99-67.17	218	3	III	51	0.0821	1	5	16.9
2567	2313.7-0625	2316.3-0608	71.49-59.15	214	123		30		0	0	18.0
2568	2314.3-2228	2317.0-2211	40.71-68.01	19	232		35	0.0398	0	5	16.9
2569	2315.3-1308	2317.9-1251	61.43-63.88	193	84	III	56		0	5	16.6
2570	2315.6+0142	2318.2+0158	81.56-53.23	189	237	III	56		0	6	17.5
2571	2316.0-0232	2318.6-0215	77.18-56.64	184	9	II	60		0	6	17.6
2572	2315.9+1828	2318.4+1844	94.22-38.89	182	171	III	32	0.0395	0	3	15.3
2573	2316.7-0243	2319.3-0226	77.22-56.90	174	0	III	69		0	6	17.6
2574	2316.7+0218	2319.3+0234	82.52-52.91	173	269	III	51		0	6	17.8
2575	2317.2-2221	2319.8-2204	41.58-68.61	305	238	I	80		0	6	17.9
2576	2317.3-2247	2319.9-2230	40.46-68.77	303	215	III	92		0	6	17.5
2577	2318.1-2314	2320.7-2257	39.41-69.07	293	191	I	73		0	6	17.5
2578	2318.2-0448	2320.8-0431	75.21-58.72	154	209	III	55		0	6	17.6
2579	2318.5-2150	2321.1-2133	43.19-68.73	289	266	I:	66		0	5	17.1
2580	2319.0-2330	2321.6-2313	38.85-69.34	281	177	II-III	62		0	5	17.1
2581	2319.2-1714	2321.8-1657	54.44-66.93	144	186	III	76		0	6	17.6
2582	2319.2+0240	2321.8+0256	83.71-52.96	140	289	II-III	53		0	6	17.6
2583	2319.6-2042	2322.2-2025	46.34-68.56	139	0	III	52		0	5	17.1
2584	2319.6+2717	2322.1+2733	99.72-31.25	281	323	II-III:	46	0.1196	0	5	17.1
2585	2320.2-2631	2322.9-2614	30.45-70.22	263	14	III	81		0	6	17.5
2586	2320.8-2042	2323.4-2025	46.64-68.82	124	0		46		0	0	17.1
2587	2320.9-2241	2323.5-2224	41.43-69.53	259	221	III	97		0	5	17.2
2588	2321.2+0853	2323.7+0909	89.55-47.95	114	301	III	61		0	6	17.8
2589	2321.5+1633	2324.0+1649	94.67-41.20	111	69	I	40	0.0421	0	3	15.3
2590	2321.8+0149	2324.4+0205	83.81-54.03	106	244	II:	53		0	6	17.5
2591	2321.8+0001	2324.4+0017	82.03-55.51	106	147	II-III:	58		0	6	17.6
2592	2321.8+1752	2324.3+1808	95.51-40.04	107	139		45		0	0	16.5
2593	2322.0+1422	2324.5+1438	93.50-43.21	105	273	II	42	0.0433	0	3	15.1
2594	2322.0+0748	2324.5+0804	88.99-48.98	103	243	II-III	65		0	6	17.8
2595	2322.3-2048	2324.9-2031	46.76-69.18	242	322		40		0	0	17.2
2596	2322.4-2341	2325.0-2324	38.94-70.14	239	168		44		0	0	17.1
2597	2322.7-1223	2325.3-1206	65.37-64.84	96	124	III	43	0.0852	0	5	16.6
2598	2323.2+2733	2325.7+2749	100.70-31.32	238	337		61		1	0	17.1
2599	2324.0-2403	2326.6-2346	38.16-70.59	220	148	III	51		0	5	17.1
2600	2324.1-2241	2326.7-2224	42.09-70.23	219	221	III	50		0	5	17.1

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2601	2324.1-2442	2326.7-2425	36.27-70.77	218	113	III	62		0	6	17.7
2602	2324.2+2102	2326.7+2118	97.86-37.40	78	309	II-III	55		0	6	17.7
2603	2325.3-2537	2327.9-2520	33.67-71.21	203	64		46		0	0	17.7
2604	2325.9-2248	2328.5-2231	42.15-70.66	197	215		31		0	0	17.1
2605	2326.4-2338	2329.0-2321	39.82-71.01	191	171	II-III	54		0	5	17.1
2606	2327.0-2129	2329.6-2112	46.13-70.45	184	286	II-III:	78		0	5	17.1
2607	2327.2+1101	2329.7+1117	92.96-46.77	35	95		38		0	0	17.6
2608	2327.9-2156	2330.5-2139	45.09-70.81	172	262	III	59		0	5	17.1
2609	2327.9-2622	2330.5-2605	31.62-71.91	172	24	III	69		0	6	17.4
2610	2327.9+1700	2330.4+1716	96.77-41.44	29	94	III	130		0	6	17.6
2611	2327.9+2021	2330.4+2037	98.52-38.37	31	273	III	74		0	5	17.2
2612	2328.3-1855	2330.9-1838	53.33-69.64	29	95	II-III	97		0	6	17.7
2613	2328.6-1313	2331.2-1256	66.06-66.47	19	79	II	88		0	5	17.2
2614	2330.3-2151	2332.9-2134	45.94-71.30	143	266	II-III	54		0	6	17.5
2615	2330.4-2350	2333.0-2333	39.99-71.95	142	160	III	114		0	6	17.7
2616	2330.7+0520	2333.2+0536	90.04-52.20	307	110	II-III	94	0.1832	2	5	17.2
2617	2330.8+0912	2333.3+0928	92.92-48.79	305	318	II:	95		0	5	17.0
2618	2331.3+2244	2333.8+2300	100.59-36.47	140	78	II	35	0.0705	0	4	15.9
2619	2331.5+2142	2334.0+2158	100.16-37.45	288	345		38		0	0	16.5
2620	2331.6+0638	2334.1+0654	91.35-51.16	295	180	III	129		0	6	17.8
2621	2331.9+1937	2334.4+1953	99.28-39.41	285	233	III	76		0	6	17.9
2622	2332.4+2709	2334.9+2725	102.78-32.43	128	315	II-III:	41	0.0621	0	4	15.9
2623	2332.5+0520	2335.0+0536	90.68-52.41	283	110	III:	142	0.1784	3	5	17.2
2624	2333.1+0520	2335.7+0536	90.89-52.48	275	110	III	103		0	6	18.0
2625	2333.8+2015	2336.3+2031	100.12-38.99	260	267		45	0.0609	0	3	15.6
2626	2334.0+2053	2336.5+2109	100.47-38.42	258	301	I-II	47	0.0573	0	3	15.2
2627	2334.2+2338	2336.7+2354	101.76-35.87	105	127	II-III	50		0	5	17.1
2628	2334.4-2426	2337.0-2409	38.84-72.98	93	127	III	83		0	6	17.7
2629	2335.1-2312	2337.7-2255	43.02-72.80	84	194	III	100		0	6	17.5
2630	2335.0+1533	2337.5+1549	98.10-43.45	247	336		31	0.0675	0	3	15.2
2631	2335.1+0001	2337.7+0017	87.04-57.34	250	147	I:	136		0	6	18.0
2632	2335.2-0930	2337.8-0913	75.31-65.04	247	279	III	144	0.186	3	6	17.8
2633	2335.6+1255	2338.1+1311	96.83-45.93	240	195	II:	96		0	6	17.6
2634	2335.8+2645	2338.3+2701	103.46-33.06	87	294	II:	52	0.0312	1	1	13.8
2635	2336.0-1339	2338.6-1322	68.27-68.12	235	56	III	121		0	6	17.3
2636	2336.2-0950	2338.8-0933	75.22-65.45	234	261	III	110		0	6	17.8
2637	2336.6+2111	2339.1+2127	101.33-38.36	225	317	II	60		0	5	16.6
2638	2337.9-1159	2340.5-1142	72.30-67.30	211	146	II-III:	123	0.0825	2	5	17.2
2639	2337.9+1014	2340.4+1030	95.98-48.61	210	51	II-III	92		0	6	17.7
2640	2338.0+1923	2340.5+1939	100.90-40.16	208	220	III	63		0	5	16.7
2641	2338.3-2507	2340.9-2450	37.20-74.00	46	90	III	87		0	6	17.7
2642	2338.3-1103	2340.9-1046	74.13-66.70	206	196		49		0	0	16.8
2643	2338.5+2010	2341.0+2026	101.41-39.47	201	262	III	77		0	6	17.7
2644	2338.6-0011	2341.2+0005	88.25-57.97	203	135	II	59		0	5	16.6
2645	2338.8-0919	2341.4-0902	77.20-65.48	199	289	II-III:	205	0.246	4	6	18.0
2646	2338.8-1017	2341.4-1000	75.65-66.21	199	237	III	135	0.193	3	6	17.6
2647	2338.8+2531	2341.3+2547	103.74-34.45	51	229		48		0	0	17.1
2648	2339.0-1445	2341.6-1428	67.31-69.39	196	-1	III	67		0	6	17.6
2649	2339.0+2424	2341.5+2440	103.35-35.52	47	169	I-II	50		0	5	16.9
2650	2339.1+2547	2341.6+2603	103.92-34.22	47	243		57		1	0	17.1
2651	2339.4+2047	2341.9+2103	101.94-38.96	190	295	III	83		0	5	16.9
2652	2340.7-1039	2343.3-1022	75.92-66.80	174	218	III	159		0	6	17.7
2653	2341.2+1356	2343.7+1412	99.19-45.52	167	250	III	73		0	6	17.7
2654	2341.7-0740	2344.3-0723	80.97-64.64	161	56	III	96		0	5	17.2
2655	2341.8-2209	2344.4-2152	48.32-73.89	0	248	III:	80		2	5	017.1
2656	2342.3-0423	2344.9-0406	85.42-62.03	153	232		35		0	0	16.2
2657	2342.3+0852	2344.8+0908	96.66-50.30	152	300	III	51	0.0414	1	3	14.9
2658	2342.4-1235	2345.0-1218	73.28-68.50	152	114	III	143	0.185	3	6	17.4
2659	2342.5-1545	2345.1-1528	66.67-70.68	151	266	II-III	58		0	5	17.0
2660	2342.7-2615	2345.3-2558	33.66-75.18	307	29		45		0	0	16.4
2661	2344.1-1042	2346.7-1025	77.46-67.38	130	215	III	147		0	6	17.8
2662	2346.9+1608	2349.4+1624	102.09-43.94	93	46	III	77		0	6	17.5
2663	2347.1-2500	2349.7-2443	39.32-75.92	254	101	III	127		0	6	17.5
2664	2347.6-0354	2350.2-0337	88.38-62.31	82	258	II:	87		0	6	17.7
2665	2348.2+0550	2350.8+0606	96.89-53.66	74	137		34	0.0556	0	4	15.8
2666	2348.4+2652	2350.9+2708	106.71-33.81	249	300	I	34	0.0265	0	1	13.8
2667	2349.2-2617	2351.8-2600	34.37-76.62	228	32	I	165		0	6	17.9
2668	2349.6+1346	2352.2+1402	101.85-46.39	57	241	III	86		0	5	17.1
2669	2350.3+0254	2352.9+0310	95.68-56.56	46	302	III	77		0	6	17.8
2670	2351.6-1041	2354.2-1024	81.33-68.52	31	215	I-II	142	0.0745	3	4	15.7
2671	2352.5+0508	2355.1+0524	98.12-54.72	17	100	III:	81		0	5	16.8
2672	2352.6+2610	2355.1+2626	107.58-34.74	199	262	III	70		0	5	17.1
2673	2352.7+0139	2355.3+0155	95.75-57.95	14	235	III	68		0	6	18.0
2674	2353.0+0128	2355.6+0144	95.73-58.14	333	225	III	84		0	6	17.9
2675	2353.0+1109	2355.6+1125	101.74-49.13	329	101	II	60	0.0726	1	4	16.4
2676	2353.2+0546	2355.8+0602	98.80-54.20	329	134		37		0	0	16.8
2677	2353.3+3405	2355.8+3421	110.07-27.12	166	43		72		1	0	17.5
2678	2353.3+1123	2355.9+1139	101.96-48.93	325	114		40		0	0	16.9
2679	2352.7-2044	2355.3-2027	57.41-75.54	186	329	III	108		0	6	17.7
2680	2353.9-2119	2356.5-2102	55.90-76.07	171	295	III	126		0	6	17.7
2681	2354.8-2437	2357.4-2420	42.84-77.52	160	118	II:	54		0	6	17.9
2682	2354.9-2050	2357.5-2033	58.12-76.03	159	321	III	64		0	6	17.5
2683	2355.0-2550	2357.6-2533	37.33-77.84	158	53		44		0	0	16.9
2684	2355.6-1048	2358.2-1031	83.34-69.19	295	209	III	80		0	6	17.6
2685	2355.9-2441	2358.5-2424	42.86-77.77	147	114	II-III	69		0	6	17.9
2686	2356.8-2105	2359.4-2048	58.16-76.54	135	308	II	50	0.1124	1	5	16.9
2687	2357.5+3153	0000.0+3209	110.46-29.46	126	233		52		1	0	16.7
2688	2357.6+1533	0000.2+1549	105.28-45.28	268	337	III:	131		0	6	17.5
2689	2357.6-1601	0000.2-1544	74.08-73.53	267	251	III	93		0	6	18.0
2690	2357.8-2525	0000.4-2508	39.93-78.37	124	76		38		0	0	17.2
2691	2358.8-0322	0001.4-0305	94.31-63.14	255	286		41		0	0	16.6
2692	2359.5+1146	0002.1+1202	104.34-49.04	244	134	II	64		0	6	17.8
2693	2359.6-1950	0002.2-1933	64.17-76.40	239	47	III	73		0	6	17.5
2694	2360.0+0809	0002.6+0825	102.81-52.52	238	261	I:	132	0.0958	3	5	17.0
2695	0000.2+1828	0002.8+1844	107.20-42.63	232	171	II-III	91		0	6	17.7
2696	0000.8+0037	0003.4+0053	98.58-59.68	227	179		39		0	0	16.9
2697	0000.8-0623	0003.4-0606	92.25-66.07	226	125	III	97		0	5	17.2
2698	0000.9+0421	0003.5+0437	101.08-56.19	225	58	II:	83		0	5	17.0
2699	0001.2-1533	0003.8-1516	77.47-73.77	219	276	II-III:	58		0	6	17.6
2700	0001.3+0147	0003.9+0203	99.63-58.64	220	242	II:	59	0.0978	1	4	16.0

TABLE 3—*Continued*

Abell	RA(1950)Dec	RA(2000)Dec	l	b	x	y	T_{B-M}	C	z	R	D	m
2701	0001.7-0952	0004.3-0935	88.31-69.22	214	260	III	59		0	6	17.8
2702	0002.3+3107	0004.9+3123	111.42-30.43	70	207		32		0	0	17.1
2703	0002.8+1549	0005.4+1605	107.10-45.35	199	29		46	0.0144	0	5	17.1
2704	0003.0-1209	0005.6-1152	85.51-71.33	196	13	II-III	98		0	6	17.7
2705	0003.4+1531	0006.0+1547	107.19-45.68	191	335	III	64		0	5	17.1
2706	0003.5+1051	0006.1+1107	105.40-50.19	191	84	III	53		0	5	17.2
2707	0003.8-1041	0006.4-1024	88.38-70.19	186	216	II-III:	50		0	6	17.6
2708	0004.0-1712	0006.6-1655	75.15-75.44	183	188	II:	97		0	6	17.4
2709	0004.1-1015	0006.7-0958	89.21-69.85	182	239	III	52		0	5	17.2
2710	0004.1-1539	0006.7-1522	79.16-74.30	182	271	I-II:	64		0	5	17.2
2711	0004.4+2449	0007.0+2505	110.36-36.69	55	191	III:	73		0	6	17.5
2712	0004.4-1821	0007.0-1804	72.09-76.32	178	126	III	71		0	6	17.5

TABLE 4

SOUTHERN "ABELL CATALOG"

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2713	00 00.0 -47 26	00 02.6 -47 09	325.33	-67.79	F292	107	-131	57	33
2714	00 00.0 -68 20	00 02.5 -68 03	309.79	-48.42	F050	-2	90	166	254
2715	00 00.2 -34 57	00 02.8 -34 40	354.08	-77.13	F349	-2	5	166	169
2716	00 00.3 -27 27	00 02.9 -27 10	29.93	-79.20	F472	2	-128	162	36
2717	00 00.7 -36 14	00 03.3 -35 57	349.21	-76.48	F349	4	-62	160	102
2718	00 01.1 -42 13	00 03.7 -41 56	333.29	-72.26	F348	111	-120	53	44
2719	00 01.4 -23 24	00 04.0 -23 07	50.79	-78.54	F472	15	87	149	251
2720	00 02.6 -18 18	00 05.2 -18 01	71.02	-75.98	F538	28	92	136	256
2721	00 03.6 -35 00	00 06.1 -34 43	352.11	-77.69	F349	34	3	130	167
2722	00 04.5 -41 15	00 07.0 -40 58	333.55	-73.41	F293	41	-66	123	98
2723	00 04.6 -77 25	00 07.0 -77 08	306.13	-39.71	F028	11	-129	153	35
2724	00 04.7 -32 08	00 07.2 -31 51	4.11	-79.29	F409	48	-113	116	51
2725	00 04.8 -18 00	00 07.4 -17 43	73.42	-76.15	F538	58	108	106	272
2726	00 04.8 -28 24	00 07.3 -28 07	24.59	-80.19	F409	53	87	111	251
2727	00 05.1 -82 17	00 07.4 -82 00	304.80	-34.96	F002	9	146	155	310
2728	00 05.5 -61 04	00 08.0 -60 47	312.29	-55.54	F111	32	-54	132	110
2729	00 06.9 -17 04	00 09.4 -16 47	77.57	-75.81	F538	85	157	79	321
2730	00 07.4 -35 58	00 09.9 -35 41	346.30	-77.70	F349	77	-48	87	116
2731	00 07.7 -57 16	00 10.2 -56 59	313.93	-59.25	F149	51	-121	113	43
2732	00 07.7 -64 43	00 10.2 -64 26	310.17	-52.11	F078	41	16	123	180
2733	00 08.7 -34 43	00 11.2 -34 26	350.20	-78.70	F349	91	20	73	184
2734	00 08.8 -29 09	00 11.3 -28 52	19.47	-80.98	F409	99	47	65	211
2735	00 09.3 -68 05	00 11.7 -67 48	308.62	-48.88	F050	44	102	120	266
2736	00 09.5 -42 31	00 12.0 -42 14	328.44	-72.88	F241	90	131	74	295
2737	00 09.6 -66 37	00 12.0 -66 20	309.11	-50.31	F078	48	-86	116	78
2738	00 10.1 -50 36	00 12.6 -50 19	318.08	-65.65	F193	84	-33	80	131
2739	00 10.2 -18 59	00 12.7 -18 42	74.34	-77.75	F539	-139	56	303	220
2740	00 10.2 -63 29	00 12.7 -63 12	310.25	-53.37	F078	58	81	106	245
2741	00 11.2 -32 45	00 13.7 -32 28	357.51	-80.23	F349	120	123	44	287
2742	00 11.4 -23 55	00 13.9 -23 38	53.27	-80.84	F473	-132	59	296	223
2743	00 11.5 -46 38	00 14.0 -46 21	321.54	-69.40	F241	104	-89	60	75
2744	00 11.8 -30 40	00 14.3 -30 23	8.91	-81.24	F409	131	-35	33	129
2745	00 11.8 -42 54	00 14.3 -42 37	326.55	-72.76	F241	114	111	50	275
2746	00 11.8 -66 21	00 14.2 -66 04	308.87	-50.63	F078	60	-72	104	92
2747	00 12.6 -29 39	00 15.1 -29 22	15.15	-81.70	F410	-124	18	288	182
2748	00 13.5 -18 29	00 16.0 -18 12	78.68	-77.91	F539	-97	84	261	248
2749	00 13.5 -35 14	00 16.0 -34 57	344.84	-79.11	F350	-118	-14	282	150
2750	00 13.5 -37 25	00 16.0 -37 08	337.50	-77.50	F350	-115	-129	279	35

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2713	I	I-II	58	17.4	17.6	18.7	1O			1	6	17.3
2714	IR	II-III	45	16.4	17.3	18.0	1O	D		0	6	17.3
2715	RI	III	112	16.0	16.3	16.9	1C			2	5	17.1
2716	IR	I-II	44:	14.2:	15.3	16.1	2O	s		0	4	16.3
2717	R	I-II	52	13.6?	14.5	15.4	1C	BO	0.0498	1	3	15.6
2718	I	III:	61	16.3:	16.7:	17.8	1C			1	5	17.2
2719	I	I-II	41	15.4	16.7	17.5	1O			0	5	17.2
2720	I	I	80	17.3	17.7	18.9	1C,1O			2	6	17.4
2721	R	II	192	15.2?	16.3	16.8	1C	BO	0.114	3	5	17.0
2722	RI	I	51	17.0	17.1	18.0:	1O,1C	D		1	5	17.2
2723	I	I-II	43	15.5	17.5	18.6	1O			0	6	17.3
2724	RI?	I-II	47	17.2:	18.4	19.3	1O,1C			0	6	17.4
2725	IR	I-II	92	17.9?	18.6:	19.6:	1C,1O			2	6	17.4
2726	RI	I	47	14.5	16.8	18.0	1O			0	6	17.3
2727	RI	I-II	68	14.7:	18.0	19.1	1O			1	6	17.3
2728	I	I:	56	16.5	17.8	18.8:	1C			1	6	17.3
2729	I	II-III?	64	16.4	17.4	18.3:	1C,1O			1	5	17.2
2730	R	II	79	15.6	16.7	17.4	1C	BO	0.114	1	5	17.2
2731	I	III:	39	13.0:	13.3:	15.1:	2C	BDORS	0.0312	0	3	15.3
2732	IR	II-III	39	16.1	16.8	17.3	1O	B		0	5	17.2
2733	I:	III	74*	17.6:	17.8:	18.6	2C			1	6	17.3
2734	R	III	58	13.9	15.1:	16.1	1O,1C			1	4	16.3
2735	I	III	57	16.8	17.5	18.7	1O	D		1	6	17.3
2736	RI:	III	41:	14.2	15.6	16.8	1C,2O	DR		0	5	16.9
2737	I	II-III	33	15.8*	18.0	18.6	1O	B		0	6	17.3
2738	RI	III	63	17.4	17.9	19.1	1C			1	6	17.4
2739	I	II-III	90	17.5	17.6	19.1	1O			2	6	17.4
2740	I	II-III	42	15.8:	17.5	18.6	1O			0	6	17.3
2741	RI:	III	59	16.4	16.8	18.3	2C,1O			1	6	17.3
2742	R	II	66?	18.1	19.0	19.3	1C,1O			1	6	17.4
2743	R	III	69	17.9	18.3	19.2	1C	B		1	6	17.4
2744	R	III	137:	18.9	19.3	19.5	1O,1C		0.308	3	6	17.4
2745	RI	II-III	62	17.2	17.6	18.0	1C	R		1	6	17.3
2746	IR	II-III	35	17.6	18.3	18.7	1O			0	6	17.3
2747	IR:	II-III	56:	18.5	18.4	19.1:	1C,1O			1	6	17.4
2748	IR	III	70	18.0	18.7	19.5	1O			1	6	17.4
2749	I	III	109	16.0	16.5	17.5	2C			2	5	17.2
2750	I	II	69:	16.7	17.3:	17.8	2C,2O			1	5	17.2

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2751	00 13.7 -31 40	00 16.2 -31 23	1.82	-81.22	F410	-110	-87	274	77
2752	00 13.8 -46 40	00 16.3 -46 23	320.47	-69.52	F241	125	-92	39	72
2753	00 13.8 -50 08	00 16.3 -49 51	317.12	-66.29	F194	-143	-7	307	157
2754	00 14.6 -53 05	00 17.1 -52 48	314.64	-63.54	F149	113	102	51	266
2755	00 15.0 -35 28	00 17.5 -35 11	342.82	-79.16	F350	-100	-25	264	139
2756	00 15.3 -19 35	00 17.8 -19 18	76.58	-79.02	F539	-74	25	238	189
2757	00 15.8 -88 27	00 15.8 -88 10	303.26	-28.93	F001	-10	-81	174	83
2758	00 15.9 -42 03	00 18.4 -41 46	325.63	-73.87	F294	-102	-108	266	56
2759	00 16.0 -30 57	00 18.5 -30 40	4.80	-81.97	F410	-84	-50	248	114
2760	00 16.8 -65 50	00 19.2 -65 33	308.26	-51.24	F078	89	-48	75	116
2761	00 16.9 -64 48	00 19.3 -64 31	308.58	-52.25	F078	92	9	72	173
2762	00 17.0 -53 49	00 19.4 -53 32	313.41	-62.93	F150	-129	61	293	225
2763	00 17.5 -42 14	00 20.0 -41 57	324.38	-73.84	F294	-86	-119	250	45
2764	00 18.0 -49 30	00 20.5 -49 13	316.02	-67.11	F194	-107	27	271	191
2765	00 19.0 -21 02	00 21.5 -20 45	74.36	-80.66	F539	-27	-54	191	110
2766	00 20.2 -32 22	00 22.7 -32 05	352.75	-82.03	F350	-47	141	211	305
2767	00 20.3 -38 24	00 22.8 -38 07	329.82	-77.47	F294	-61	87	225	251
2768	00 21.5 -17 20	00 24.0 -17 03	89.35	-78.10	F539	6	145	158	309
2769	00 21.7 -39 55	00 24.2 -39 38	325.58	-76.27	F294	-46	6	210	170
2770	00 21.9 -66 12	00 24.2 -65 55	307.34	-50.97	F078	114	-67	50	97
2771	00 22.1 -40 24	00 24.6 -40 07	324.42	-75.86	F294	-42	-20	206	144
2772	00 22.5 -38 16	00 25.0 -37 59	328.39	-77.80	F294	-37	95	201	259
2773	00 22.7 -43 43	00 25.2 -43 26	319.30	-72.84	F242	-56	71	220	235
2774	00 23.2 -65 57	00 25.5 -65 40	307.20	-51.24	F079	-116	-55	280	109
2775	00 23.5 -69 13	00 25.7 -68 56	306.38	-48.02	F050	109	37	55	201
2776	00 23.8 -50 42	00 26.2 -50 25	312.93	-66.21	F194	-55	-37	219	127
2777	00 24.8 -50 32	00 27.2 -50 15	312.65	-66.41	F194	-47	-26	211	138
2778	00 26.1 -30 31	00 28.6 -30 14	359.76	-84.10	F410	33	-24	131	140
2779	00 26.6 -53 23	00 29.0 -53 06	310.55	-63.69	F150	-53	88	217	252
2780	00 26.8 -29 40	00 29.3 -29 23	6.77	-84.62	F410	40	20	124	184
2781	00 27.6 -20 21	00 30.1 -20 04	87.13	-81.42	F539	81	-18	83	146
2782	00 27.9 -53 40	00 30.3 -53 23	310.01	-63.45	F150	-42	73	206	237
2783	00 28.1 -34 41	00 30.6 -34 24	333.27	-81.45	F350	42	18	122	182
2784	00 28.3 -29 43	00 30.8 -29 26	4.78	-84.90	F410	58	20	106	184
2785	00 28.8 -62 56	00 31.1 -62 39	306.94	-54.31	F079	-94	109	258	273
2786	00 29.2 -41 40	00 31.6 -41 23	317.59	-75.17	F294	29	-88	135	76
2787	00 29.6 -55 28	00 31.9 -55 11	308.81	-61.71	F150	-28	-24	192	140
2788	00 29.7 -27 47	00 32.2 -27 30	26.77	-85.71	F410	76	123	88	287
2789	00 31.2 -69 32	00 33.3 -69 15	305.32	-47.79	F051	-102	24	266	188
2790	00 31.4 -50 21	00 33.8 -50 04	310.15	-66.81	F194	8	-17	156	147
2791	00 31.6 -21 51	00 34.1 -21 34	86.61	-83.19	F474	-156	115	320	279
2792	00 33.6 -60 18	00 35.9 -60 01	306.51	-57.00	F112	-32	-15	196	149
2793	00 34.0 -82 52	00 35.2 -82 35	303.57	-34.52	F002	58	111	106	275
2794	00 34.1 -31 18	00 36.6 -31 01	341.89	-84.93	F410	124	-73	40	91
2795	00 34.5 -52 10	00 36.8 -51 53	308.29	-65.08	F150	11	154	153	318
2796	00 34.5 -64 45	00 36.7 -64 28	305.55	-52.58	F079	-57	13	221	177
2797	00 34.8 -62 56	00 37.0 -62 39	305.78	-54.39	F079	-57	111	221	275
2798	00 35.1 -28 49	00 37.6 -28 32	7.39	-86.62	F411	-131	65	295	229
2799	00 35.1 -39 24	00 37.5 -39 07	315.66	-77.66	F294	93	31	71	195
2800	00 35.5 -25 22	00 38.0 -25 05	66.17	-86.36	F474	-106	-19	270	145

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2751	I	III	68	15.7?	16.7?	17.6:	1C,1O	B		1	5	17.2
2752	R	II	70	17.1	17.7	19.1	1C	B		1	6	17.4
2753	I	III	76	16.2	17.0:	17.7	2C	DR		1	5	17.2
2754	R	II	41	18.0	18.4	19.1	1C,1O			0	6	17.4
2755	RI	III	120*	15.7:	16.1:	16.7:	2C			2	5	16.9
2756	RI	II-III	79	15.4	16.5	17.1	1O			1	5	17.2
2757	I	III	40	16.4	16.8	18.1	1O			0	5	17.2
2758	IR:	III	37	15.4	15.7	17.0	2O,1C	DR		0	5	17.1
2759	I	III	47	15.7	15.8	17.1	1C			0	5	17.2
2760	I	II	39	16.8	16.8	17.8	2O			0	5	17.2
2761	I	II	40	15.9	17.6	18.7	2O			0	6	17.3
2762	I	II	45:	16.0	16.5	16.9	1O,1C	DR	0.1124	0	5	17.1
2763	R	II-III?	58	16.0	17.5	18.3	2O			1	6	17.3
2764	R	II	55	14.9	15.8	16.7	2C	DOR	0.0641	1	5	16.9
2765	IR	II	55	15.7	16.6	16.8	1O			1	5	17.0
2766	I	II-III:	58	18.0	18.5	19.0	2C			1	6	17.4
2767	IR	II	55	15.5	16.8	17.8	1O	D		1	5	17.2
2768	RI	II	68	18.1	18.1	18.6	1O			1	6	17.3
2769	I	I-II	33:	16.8	17.8	18.4	1O			0	6	17.3
2770	IR	II-III	33	16.1	16.8	17.8	2O			0	5	17.2
2771	I	I-II	33	13.5*	14.7	16.8	1O	D		0	5	17.0
2772	IR	I-II	58	15.6	16.8	17.7	1O			1	5	17.2
2773	IR	I-II	37	16.4	16.7	18.5	1O	D		0	6	17.3
2774	RI	II-III	69	16.8	17.5	18.5	2O	BD		1	6	17.3
2775	I	III	51	18.2	18.3	19.1	2O			1	6	17.4
2776	I	II	53	17.4	17.9	19.1	1C			1	6	17.4
2777	RI	II	88	16.0?	17.1	18.0	1C	D		2	6	17.3
2778	I	III	51	14.8	15.5	16.8	1C	B		1	5	17.0
2779	IR	I	42	15.1	16.8	18.0	1O			0	6	17.3
2780	I	III	54	15.5	15.7	17.1	1C	B		1	5	17.2
2781	IR	III	78	17.8	18.6	19.1	1O			1	6	17.4
2782	IR	II	48	15.9	16.1	16.3	1O	D		0	5	16.5
2783	R	II-III	32	17.7	18.2:	18.6	1C			0	6	17.3
2784	I	II-III:	53	17.4	17.6	18.7	1C			1	6	17.3
2785	RI?	II-III:	32	17.3	18.3	19.0:	1O,1C			0	6	17.4
2786	R:	II	64	18.1	18.2	18.7	1O	D		1	6	17.3
2787	R:	I-II	59	16.0	16.1	17.5	1O	D		1	5	17.2
2788	I	III	41	17.7:	18.0:	19.3	1C			0	6	17.4
2789	RI	I	48	15.4	16.7	17.8	2O	DQ		0	5	17.2
2790	R	II-III	88	16.5?	17.1	17.5	1C	D		2	5	17.2
2791	I	III	73	17.7	18.2	18.9	1C			1	6	17.3
2792	I	II-III	33	18.1	18.5	19.0	1C			0	6	17.3
2793	I	II-III	30	15.6	16.3	17.6	2O	Q		0	5	17.1
2794	I	II-III	57	17.5:	17.7:	18.6	1C			1	6	17.3
2795	I	II-III	44	16.6	17.5	18.6	1O	DR		0	6	17.3
2796	I	II	33	15.7	16.0	17.7	1O	BD		0	5	17.2
2797	RI:	II	46?	16.5?	17.8	18.1	1O,1C	BDQ		0	6	17.3
2798	RI:	I-II	58	16.1	16.0	17.3	1O,1C	B	0.1126	1	5	17.2
2799	RI	I-II	63	14.6	15.4	16.0	1O	D		1	4	16.2
2800	I	III	59	15.0	15.1	15.6	1C	B		1	4	15.8

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2801	00 36.1 -29 21	00 38.6 -29 04	357.75	-86.56	F411	-119	36	283	200
2802	00 36.5 -31 53	00 38.9 -31 36	333.46	-84.76	F350	138	165	26	329
2803	00 37.0 -20 15	00 39.5 -19 58	101.39	-82.34	F540	-64	-11	228	153
2804	00 37.2 -29 11	00 39.7 -28 54	357.85	-86.85	F411	-106	45	270	209
2805	00 37.2 -52 27	00 39.5 -52 10	307.24	-64.85	F150	32	137	132	301
2806	00 37.9 -56 26	00 40.2 -56 09	306.16	-60.90	F150	34	-76	130	88
2807	00 38.2 -34 53	00 40.6 -34 36	319.48	-82.17	F351	-110	9	274	173
2808	00 38.2 -50 31	00 40.5 -50 14	307.37	-66.79	F194	65	-27	99	137
2809	00 39.1 -44 07	00 41.5 -43 50	309.15	-73.17	F242	103	49	61	213
2810	00 39.3 -61 22	00 41.5 -61 05	305.09	-55.99	F112	4	-72	160	92
2811	00 39.7 -28 49	00 42.2 -28 32	357.83	-87.51	F411	-76	66	240	230
2812	00 40.1 -38 26	00 42.5 -38 09	312.02	-78.81	F295	-127	83	291	247
2813	00 40.9 -20 54	00 43.4 -20 37	106.71	-83.24	F540	-15	-47	179	117
2814	00 40.9 -28 54	00 43.4 -28 37	352.50	-87.67	F411	-62	61	226	225
2815	00 43.0 -17 09	00 45.5 -16 52	115.00	-79.66	F540	11	153	153	317
2816	00 43.3 -18 22	00 45.8 -18 05	114.45	-80.87	F540	16	88	148	252
2817	00 43.4 -54 07	00 45.7 -53 50	304.83	-63.26	F150	80	47	84	211
2818	00 43.5 -50 24	00 45.8 -50 07	305.25	-66.98	F195	-145	-23	309	141
2819	00 43.7 -63 52	00 45.8 -63 35	303.99	-53.52	F079	-4	62	168	226
2820	00 45.5 -57 03	00 47.7 -56 46	303.97	-60.34	F150	88	-109	76	55
2821	00 45.8 -64 28	00 47.9 -64 11	303.58	-52.93	F079	8	29	156	193
2822	00 45.9 -38 44	00 48.3 -38 27	306.08	-78.65	F295	-65	68	229	232
2823	00 45.9 -41 08	00 48.3 -40 51	305.46	-76.25	F295	-63	-60	227	104
2824	00 46.1 -21 37	00 48.6 -21 20	116.35	-84.18	F540	48	-87	116	77
2825	00 46.2 -46 02	00 48.5 -45 45	304.53	-71.36	F243	-91	-55	255	109
2826	00 47.5 -62 42	00 49.6 -62 25	303.31	-54.70	F079	20	123	144	287
2827	00 48.4 -50 33	00 50.7 -50 16	303.25	-66.85	F195	-103	-29	267	135
2828	00 48.8 -39 48	00 51.2 -39 31	303.19	-77.60	F295	-34	12	198	176
2829	00 48.9 -28 48	00 51.3 -28 31	303.90	-88.60	F411	32	66	132	230
2830	00 48.9 -48 51	00 51.2 -48 34	303.05	-68.55	F194	163	57	1	221
2831	00 49.1 -55 39	00 51.3 -55 22	302.98	-61.75	F150	120	-38	44	126
2832	00 49.6 -23 52	00 52.1 -23 35	125.23	-86.46	F474	65	62	99	226
2833	00 50.5 -55 58	00 52.7 -55 41	302.57	-61.43	F150	129	-55	35	109
2834	00 50.6 -50 53	00 52.9 -50 36	302.37	-66.51	F195	-84	-46	248	118
2835	00 50.7 -47 08	00 53.0 -46 51	302.15	-70.26	F195	-89	155	253	319
2836	00 51.4 -47 53	00 53.7 -47 36	301.86	-69.51	F195	-82	115	246	279
2837	00 51.6 -80 32	00 52.7 -80 15	302.87	-36.87	F013	-86	-34	250	130
2838	00 51.8 -39 31	00 54.2 -39 14	300.44	-77.87	F295	-4	26	168	190
2839	00 52.0 -51 15	00 54.2 -50 58	301.85	-66.14	F195	-71	-65	235	99
2840	00 52.1 -40 06	00 54.4 -39 49	300.31	-77.28	F295	-1	-5	165	159
2841	00 52.8 -49 13	00 55.1 -48 56	301.34	-68.17	F195	-67	44	231	208
2842	00 53.6 -24 23	00 56.0 -24 06	142.19	-86.81	F474	113	33	51	197
2843	00 54.2 -27 47	00 56.6 -27 30	231.70	-88.79	F474	118	-149	46	15
2844	00 54.2 -30 20	00 56.6 -30 03	282.11	-86.85	F411	92	-17	72	147
2845	00 54.4 -39 04	00 56.7 -38 47	297.84	-78.28	F295	23	51	141	215
2846	00 54.7 -29 58	00 57.1 -29 41	277.38	-87.15	F411	98	3	66	167
2847	00 56.3 -34 36	00 58.7 -34 19	291.21	-82.63	F351	90	23	74	187
2848	00 56.3 -41 01	00 58.6 -40 44	297.18	-76.30	F295	42	-54	122	110
2849	00 56.6 -21 16	00 59.1 -20 59	139.17	-83.63	F541	-83	-67	247	97
2850	00 56.9 -29 19	00 59.3 -29 02	261.27	-87.41	F411	125	36	39	200

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2801	IR	I	74	15.6	16.7	18.1	1O	B		1	6	17.3
2802	R	III	74	17.9	18.3	19.0	2C	B		1	6	17.4
2803	I	II-III	105	18.2	18.5	19.1	1C			2	6	17.4
2804	IR	I-II	56:	16.0	16.1	17.3	1O	B		1	5	17.2
2805	IR	II-III	40	16.1?	17.7	18.4	1O			0	6	17.3
2806	RI	I-II	37	12.7	13.5	15.1	1O	DR	0.0271	0	3	15.3
2807	I	II-III	36	16.4	17.4	18.2	1O			0	6	17.3
2808	RI	III	54	17.4	17.5	18.1	1C	D		1	6	17.3
2809	I	II	36	16.0	16.7	18.1	1O	BD		0	6	17.3
2810	R	III	44	15.0	15.9	16.6	1C	BDQR		0	5	16.8
2811	R	I-II	73	15.6	16.9	17.3	1O	B		1	5	17.2
2812	RI	I-II	55	16.1	17.5	18.6	1O			1	6	17.3
2813	I	III	155	18.1	18.4	19.4	1C			3	6	17.4
2814	I	II	52	16.0	16.1	17.1	1O			1	5	17.2
2815	R:	III	110	17.9	18.6	19.1	1C			2	6	17.4
2816	I	II-III	48	14.8	15.8	16.7	1C			0	5	16.9
2817	I	I-II	47	16.8	17.4	18.6	1O			0	6	17.3
2818	R:	I	56:	16.7	17.8	19.2	1O	D		1	6	17.4
2819	R:	I-II	90	15.1	15.4	15.8	1O	BD		2	4	16.0
2820	I	II	51	16.5:	17.1	18.0	1O,1C	D		1	5	17.2
2821	I	I-II	30	15.4	16.8	17.8	1O			0	5	17.2
2822	RI	I-II	67	15.6	18.1	18.6	1O			1	6	17.3
2823	I	II-III	39:	16.6:	16.7:	17.3:	1O			0	5	17.2
2824	R:	III	46	13.6	14.4?	15.3	1C		0.0486	0	3	15.5
2825	RI?	I-II?	56	16.5	17.4	18.4	1C			1	6	17.3
2826	IR	I	44:	16.6:	18.1	19.0	1O,1C	BQ		0	6	17.4
2827	RI	II	54	17.1	17.8	18.8	1O			1	6	17.3
2828	I	I-II	37	16.2	17.0	18.2	1O			0	6	17.3
2829	IR	II	50	15.4	15.9	17.3	1O	B		1	5	17.2
2830	IR:	II?	(58)	17.1?	17.9	19.0	1C	D		1	6	17.3
2831	RI:	II	32	18.2	18.9	19.5	1O,1C			0	6	17.4
2832	R:	I-II	45	17.7?	18.7	19.5	1C			0	6	17.4
2833	I	III	36	17.5	18.6	19.1	1O			0	6	17.4
2834	I	III	44	16.8	18.1	19.1	1O			0	6	17.4
2835	R:	I-II	53:	16.8:	18.0	19.0	1O			1	6	17.3
2836	I	II	41	12.9*	15.4	16.1	1O	D		0	4	16.3
2837	IR	I-II	47	16.7	17.3	18.0	1O			0	5	17.2
2838	I	II	39	15.5?	16.8	18.1	1O			0	6	17.3
2839	RI	II-III	45	15.8?	16.9	18.0	1O	D		0	6	17.3
2840	I	II	54	15.2	16.4	17.4	1O			1	5	17.2
2841	R:	I	35	14.5	16.2	16.8	1O			0	5	17.0
2842	R	II-III	70	18.0	18.5	18.9	1C	B		1	6	17.3
2843	I	III	34	17.7	18.0	18.8	1C			0	6	17.3
2844	I	II-III	50	16.7	17.4	17.8	1O	B		1	5	17.2
2845	I	II-III	78	17.5	18.3	18.4	1O			1	6	17.3
2846	I	II:	53	17.1	17.8	18.5:	2O			1	6	17.4
2847	IR	I-II	38	16.1	16.7	18.0	1O			0	6	17.3
2848	IR	II	34:	15.4	17.4	18.3	1O			0	6	17.3
2849	IR	III	31	17.8	18.4	19.1	1O			0	6	17.4
2850	R:	II-III	102	17.4	17.6	18.6	1O			2	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2851	00 57.6 -30 41	00 60.0 -30 24	273.73	-86.22	F412	-134	-36	298	128
2852	00 57.8 -39 53	01 00.1 -39 36	295.26	-77.38	F295	59	6	105	170
2853	00 58.1 -39 25	01 00.4 -39 08	294.64	-77.84	F295	62	31	102	195
2854	00 58.6 -50 48	01 00.8 -50 31	299.20	-66.53	F195	-16	-40	180	124
2855	00 58.9 -44 12	01 01.2 -43 55	296.90	-73.08	F243	25	45	139	209
2856	00 59.3 -38 56	01 01.6 -38 39	293.11	-78.27	F295	75	57	89	221
2857	00 59.7 -40 13	01 02.0 -39 56	293.90	-76.99	F295	77	-12	87	152
2858	01 00.0 -56 00	01 02.1 -55 43	299.80	-61.33	F151	-48	-53	212	111
2859	01 00.4 -67 51	01 02.2 -67 34	301.35	-49.51	F051	38	117	126	281
2860	01 01.8 -40 03	01 04.1 -39 46	291.99	-77.08	F295	99	-4	65	160
2861	01 02.2 -51 49	01 04.4 -51 32	298.09	-65.46	F195	14	-95	150	69
2862	01 02.7 -17 00	01 05.2 -16 43	140.64	-79.13	F541	-6	161	170	325
2863	01 02.8 -48 45	01 05.0 -48 28	296.80	-68.48	F195	21	69	143	233
2864	01 02.9 -67 12	01 04.7 -66 55	300.91	-50.14	F079	95	-123	69	41
2865	01 03.8 -36 11	01 06.1 -35 54	284.26	-80.67	F352	-94	-63	258	101
2866	01 04.0 -17 46	01 06.5 -17 29	143.53	-79.77	F541	11	120	153	284
2867	01 04.0 -34 15	01 06.4 -33 58	278.77	-82.43	F352	-92	95	256	259
2868	01 04.3 -56 00	01 06.4 -55 43	298.56	-61.27	F151	-16	-53	180	111
2869	01 05.0 -44 19	01 07.3 -44 02	293.30	-72.78	F243	83	33	81	197
2870	01 05.5 -47 11	01 07.7 -46 54	294.81	-69.95	F195	46	153	118	317
2871	01 05.6 -37 00	01 07.9 -36 43	284.00	-79.78	F352	-70	-108	234	56
2872	01 05.9 -43 29	01 08.2 -43 13	292.12	-73.56	F243	93	83	71	247
2873	01 06.3 -43 58	01 08.6 -43 42	292.26	-73.07	F243	97	56	67	220
2874	01 06.4 -40 37	01 08.7 -40 21	288.93	-76.31	F296	-123	-31	287	133
2875	01 06.4 -65 58	01 08.2 -65 42	300.17	-51.34	F079	119	-59	45	105
2876	01 07.0 -57 33	01 09.1 -57 17	298.22	-59.68	F113	-67	131	231	295
2877	01 07.6 -46 10	01 09.8 -45 54	293.14	-70.88	F243	105	-65	59	99
2878	01 07.7 -29 57	01 10.1 -29 41	245.98	-85.17	F412	-18	4	182	168
2879	01 08.3 -36 27	01 10.6 -36 11	279.91	-80.07	F352	-42	-77	206	87
2880	01 08.7 -49 36	01 10.9 -49 20	294.65	-67.48	F195	71	23	93	187
2881	01 08.8 -17 21	01 11.3 -17 05	148.48	-78.96	F541	72	142	92	306
2882	01 10.0 -60 54	01 12.0 -60 38	298.41	-56.31	F113	-42	-48	206	116
2883	01 10.1 -36 37	01 12.4 -36 21	278.48	-79.76	F352	-23	-86	187	78
2884	01 10.8 -37 52	01 13.1 -37 36	280.76	-78.58	F352	-16	-153	180	11
2885	01 11.6 -39 14	01 13.9 -38 58	282.77	-77.27	F296	-71	44	235	208
2886	01 11.9 -49 09	01 14.1 -48 53	293.06	-67.81	F195	101	46	63	210
2887	01 12.1 -36 33	01 14.4 -36 17	276.33	-79.63	F352	-2	-82	166	82
2888	01 12.3 -56 59	01 14.3 -56 43	296.63	-60.13	F113	-29	163	193	327
2889	01 12.6 -48 46	01 14.8 -48 30	292.52	-68.15	F195	107	66	57	230
2890	01 13.6 -21 18	01 16.0 -21 02	166.89	-81.72	F541	129	-71	35	93
2891	01 14.5 -38 08	01 16.8 -37 52	278.15	-78.01	F296	-40	104	204	268
2892	01 14.7 -37 20	01 17.0 -37 04	276.03	-78.69	F352	25	-123	139	41
2893	01 15.0 -51 08	01 17.1 -50 52	293.04	-65.76	F195	122	-63	42	101
2894	01 15.2 -22 54	01 17.6 -22 38	177.24	-82.56	F475	112	113	52	277
2895	01 15.7 -27 16	01 18.1 -27 00	213.23	-84.07	F475	114	-119	50	45
2896	01 16.0 -37 22	01 18.3 -37 06	275.00	-78.53	F296	-25	144	189	308
2897	01 16.2 -56 54	01 18.2 -56 38	295.55	-60.11	F113	-1	168	165	332
2898	01 16.4 -35 20	01 18.7 -35 04	268.34	-80.15	F352	45	-17	119	147
2899	01 17.9 -64 55	01 19.7 -64 39	298.02	-52.20	F080	-62	5	226	169
2900	01 18.9 -51 45	01 21.0 -51 29	292.02	-65.01	F195	152	-97	12	67

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2851	I	II	30	14.6	16.8	17.8	1O			0	5	17.2
2852	R	II-III	45	17.4	18.1	18.5	1O			0	6	17.3
2853	IR	II-III	75	17.2	17.6	18.9	1O			1	6	17.3
2854	RI	I-II	64:	14.8	15.4	15.6	1O	DR		1	4	15.8
2855	I	II-III:	75	17.6	18.0	19.2	1C			1	6	17.4
2856	I	II-III	53:	16.8?	18.1	18.7	1O			1	6	17.3
2857	I	I	66	17.3	18.0	18.8	1O			1	6	17.3
2858	R	II-III	85	18.0	18.5	19.5	1C	B		2	6	17.4
2859	IR	II	43?	15.3	15.7	16.4	3O	BDQ		0	5	16.6
2860	IR	I	41:	15.1	15.3	16.0	1O		(0.0268)	0	4	16.2
2861	RI	III	32	16.8	18.9	19.3	1O			0	6	17.4
2862	R:	II	87	16.5	17.4	18.1	1O			2	6	17.3
2863	I	II-III	58	15.4:	17.3	18.6	1O			1	6	17.3
2864	I	II	39?	15.4	15.7	16.5	3O	DQ		0	5	16.7
2865	I	III	43	16.2	16.5	17.7	1C			0	5	17.2
2866	I	I-II	82	15.4	16.5	17.8	1O			2	5	17.2
2867	IR	II-III	59	17.0:	17.5	18.0	1C			1	6	17.3
2868	R	III	92	17.5	17.6	18.0	1C	B		2	6	17.3
2869	I	II-III:	55	17.9	18.5	19.4	1C			1	6	17.4
2870	RI	I	33?	11.6	13.8	15.0	1O	D	0.0250	0	3	15.2
2871	R	I	92?	15.8	16.4:	16.8:	1C,1O			2	5	16.7
2872	I	III:	71	17.6	18.1	19.2	1C			1	6	17.4
2873	RI	III	61	17.7:	18.1:	18.9	1C			1	6	17.3
2874	R	I	79	15.5	17.7	18.0	1O			1	6	17.3
2875	I	III	37	16.1	17.5	18.4	2O			0	6	17.3
2876	I	III	48	18.1	18.3	19.3	1O			0	6	17.4
2877	R	I	30	11.4:	13.2	14.1	2C	d	0.0241	0	2	14.3
2878	RI	I-II	32	16.0	16.6	17.7	1O	B		0	5	17.2
2879	I?	II-III?	69	17.5	17.9	18.6	1C			1	6	17.3
2880	I	I-II	37	16.8	17.5	18.6	1O			0	6	17.3
2881	I	II	36	14.4	14.9	15.4	1O			0	3	15.6
2882	IR	II	32	16.0	16.7	17.7	1O			0	5	17.2
2883	R	II	65	16.0?	16.8	17.8	1C			1	5	17.2
2884	I	II-III?	64	17.7	18.0	18.6	1C			1	6	17.3
2885	I	II-III	37	16.8	16.8	18.0	1O			0	6	17.3
2886	I	III	45	16.8	17.1	18.1	1O			0	6	17.3
2887	IR	II	95	16.1	17.0	17.7	1C			2	5	17.2
2888	I	III	45	17.8	18.2	19.3	1O			0	6	17.4
2889	RI	I-II	65	15.0:	16.1	17.6	1O	D	0.0667	1	5	17.2
2890	RI	II	91:	16.7	17.6	18.1	1O			2	6	17.3
2891	RI	II	57	16.9	17.5	18.0	1O,1C			1	6	17.3
2892	RI	II:	66	15.5:	16.5	17.6	1C			1	5	17.2
2893	IR	II:	63	18.1	18.4:	19.0:	1O,1C			1	6	17.4
2894	R	I-II	36	18.0	18.8	19.3	2O			0	6	17.4
2895	RI	II:	62	16.4	18.5	19.3	3O	B		1	6	17.4
2896	RI	I	44	13.5	16.0	17.4	1O		(0.0317)	0	5	17.2
2897	I	II-III	36	16.8?	18.2	19.1	1O	B		0	6	17.4
2898	RI	III	88	16.5:	17.0:	17.6	1C			2	5	17.2
2899	RI	II-III	59	17.4	18.0	18.3	1O	BD		1	6	17.3
2900	I	II-III	31:	16.9	18.2	18.6	1O			0	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2901	01 19.1 -44 09	01 21.3 -43 53	285.11	-72.19	F244	-51	46	215	210
2902	01 19.3 -20 41	01 21.7 -20 25	170.46	-80.36	F542	-60	-34	224	130
2903	01 19.7 -55 59	01 21.7 -55 43	294.17	-60.89	F151	99	-56	65	108
2904	01 20.0 -29 34	01 22.3 -29 18	232.48	-82.85	F412	125	23	39	187
2905	01 20.9 -46 17	01 23.1 -46 01	286.65	-70.09	F244	-34	-68	198	96
2906	01 21.2 -27 20	01 23.6 -27 04	214.33	-82.85	F476	-82	-123	246	41
2907	01 21.7 -25 06	01 24.1 -24 50	197.43	-82.32	F476	-77	-3	241	161
2908	01 21.7 -33 37	01 24.0 -33 21	256.46	-80.61	F352	105	74	59	238
2909	01 22.1 -37 39	01 24.4 -37 23	270.92	-77.61	F296	40	129	124	293
2910	01 23.6 -33 43	01 25.9 -33 27	255.44	-80.24	F352	125	68	39	232
2911	01 23.8 -38 14	01 26.0 -37 58	271.27	-76.95	F296	58	97	106	261
2912	01 24.7 -50 15	01 26.8 -49 59	288.80	-66.16	F196	-49	-13	213	151
2913	01 25.6 -34 18	01 27.9 -34 02	256.58	-79.55	F352	149	31	15	195
2914	01 26.4 -47 09	01 28.5 -46 53	285.11	-68.93	F196	-36	152	200	316
2915	01 26.5 -29 16	01 28.8 -29 00	227.95	-81.54	F413	-67	40	231	204
2916	01 26.9 -46 31	01 29.0 -46 15	284.16	-69.47	F244	21	-80	143	84
2917	01 27.7 -53 34	01 29.7 -53 18	290.36	-62.88	F152	-93	79	257	243
2918	01 28.0 -49 13	01 30.1 -48 57	286.61	-66.93	F196	-18	42	182	206
2919	01 28.6 -27 21	01 30.9 -27 05	214.96	-81.21	F413	-42	142	206	306
2920	01 29.2 -34 52	01 31.5 -34 36	256.48	-78.62	F353	-76	8	240	172
2921	01 29.7 -24 59	01 32.1 -24 43	200.47	-80.56	F476	20	2	144	166
2922	01 30.0 -29 51	01 32.3 -29 35	230.66	-80.68	F413	-25	8	189	172
2923	01 30.0 -31 21	01 32.3 -31 05	239.32	-80.24	F413	-25	-72	189	92
2924	01 30.9 -27 12	01 33.2 -26 56	214.18	-80.69	F413	-15	150	179	314
2925	01 31.3 -45 28	01 33.4 -45 12	280.82	-70.07	F244	63	-25	101	139
2926	01 31.6 -27 47	01 33.9 -27 31	217.80	-80.56	F413	-7	120	171	284
2927	01 32.3 -27 37	01 34.6 -27 21	216.80	-80.40	F413	1	128	163	292
2928	01 32.8 -27 45	01 35.1 -27 29	217.61	-80.29	F413	8	121	156	285
2929	01 34.2 -28 09	01 36.5 -27 53	219.92	-79.98	F413	25	100	139	264
2930	01 34.7 -34 58	01 36.9 -34 42	253.61	-77.65	F353	-16	3	180	167
2931	01 36.8 -31 12	01 39.1 -30 56	235.90	-78.92	F413	53	-64	111	100
2932	01 37.9 -29 20	01 40.2 -29 04	226.07	-79.08	F413	67	35	97	199
2933	01 38.8 -54 49	01 40.7 -54 33	288.10	-61.12	F152	-5	13	169	177
2934	01 38.9 -31 58	01 41.2 -31 42	238.87	-78.25	F413	75	-106	89	58
2935	01 40.6 -23 37	01 43.0 -23 21	197.87	-77.77	F477	-117	75	281	239
2936	01 41.1 -37 36	01 43.3 -37 20	259.25	-75.04	F297	-32	129	196	293
2937	01 41.4 -46 28	01 43.5 -46 12	278.02	-68.31	F245	-101	-80	265	84
2938	01 42.3 -22 29	01 44.7 -22 13	193.78	-76.97	F477	-97	136	261	300
2939	01 42.4 -17 17	01 44.8 -17 01	176.40	-74.06	F543	-35	150	199	314
2940	01 43.0 -25 00	01 45.3 -24 44	204.84	-77.66	F477	-87	1	251	165
2941	01 43.1 -53 16	01 45.0 -53 00	285.52	-62.26	F152	29	97	135	261
2942	01 45.4 -22 05	01 47.8 -21 50	193.54	-76.15	F543	2	-108	162	56
2943	01 46.0 -32 10	01 48.2 -31 55	237.54	-76.76	F414	-105	-115	269	49
2944	01 47.3 -26 10	01 49.6 -25 55	210.92	-76.94	F477	-35	-61	199	103
2945	01 48.2 -27 20	01 50.5 -27 05	216.13	-76.86	F414	-83	144	247	308
2946	01 49.1 -24 47	01 51.4 -24 32	205.42	-76.26	F477	-14	13	178	177
2947	01 49.5 -25 25	01 51.8 -25 10	208.11	-76.32	F477	-8	-21	172	143
2948	01 50.0 -32 57	01 52.2 -32 42	239.56	-75.71	F354	-115	109	279	273
2949	01 51.4 -27 29	01 53.7 -27 14	216.96	-76.16	F477	14	-131	150	33
2950	01 51.6 -26 47	01 53.9 -26 32	214.07	-76.06	F477	17	-94	147	70

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2901	IR	III:	45	17.3	17.7	18.9	1C			0	6	17.3
2902	R	II-III:	38	17.9	18.2	19.2	1C			0	6	17.4
2903	R	III	60	17.6	17.8	18.9	2C	B		1	6	17.4
2904	RI?	II-III?	40	17.8	18.5	19.0	2O			0	6	17.4
2905	I	II-III	60	17.9	18.5	19.3	1C			1	6	17.4
2906	I	I-II	46	17.4	18.2:	18.9	2O	B		0	6	17.4
2907	I	II-III	73	16.2	17.4	19.1	1O			1	6	17.4
2908	R	III	75	17.4	17.6	18.5	1C			1	6	17.3
2909	RI:	III	55:	16.3	16.5	17.7	1O,1C			1	5	17.2
2910	I	II-III:	84	17.4	17.7	18.2	1C			2	6	17.3
2911	R	I-II	72	14.6	15.5	16.1	1O		(0.0202)	1	4	16.3
2912	RI	II-III	100	16.5	17.2	17.7	1C	D		2	5	17.2
2913	RI	III	34	15.5	16.0:	17.1:	1C			0	5	17.2
2914	I	II-III	78	17.0	17.4	18.0	1C			1	6	17.3
2915	I	II	55:	15.4	16.0	16.7	1O	B		1	5	16.9
2916	RI	III	45	17.4	17.7	18.6	1C			0	6	17.3
2917	I	II	60	16.8:	17.6	18.6	1C			1	6	17.3
2918	I	III	68	17.6	17.9	18.9	1C			1	6	17.3
2919	I	II	52	15.7	17.7	18.9	1O			1	6	17.3
2920	IR	II-III	53	16.7	17.3	18.6	1O			1	6	17.3
2921	RI	I-II	60	16.8	17.3	18.6	1O			1	6	17.3
2922	RI	I-II	115:	15.4?	18.0	18.1	1O			2	6	17.3
2923	RI	I-II	50	14.4	16.5	16.8	1O	B		1	5	17.0
2924	I	II-III	49	15.1	16.7	18.0	1O			0	6	17.3
2925	R	I	68	17.1?	17.9	19.3	1C			1	6	17.4
2926	RI	I-II	61	16.0	16.6	17.7	1O			1	5	17.2
2927	R	II-III	86	16.8	18.3	19.0:	2O	B		2	6	17.4
2928	I	II-III	73:	17.3	18.0	18.3	1O			1	6	17.3
2929	RI	II-III	38	17.4?	18.6	19.2	1O			0	6	17.4
2930	RI	I-II	34	16.2	16.8	18.0	1O			0	6	17.3
2931	RI	II	66	16.1	17.5	18.0	1O			1	6	17.3
2932	RI	I-II	98	16.9	17.5	18.0	1O			2	6	17.3
2933	RI	III	77	15.8	16.1	16.7	1C	S	(0.0208)	1	5	16.9
2934	RI	II-III?	42	17.0:	18.4	19.0	2O			0	6	17.4
2935	RI	II	52	17.5	18.0	19.1	1O			1	6	17.4
2936	RI	III:	64	17.9	18.3	19.3	1C			1	6	17.4
2937	R	I-II	55	17.1:	17.6	18.5	1O,1C			1	6	17.3
2938	RI	I-II	50	17.8	18.2	19.3	1O			1	6	17.4
2939	I	III	45	18.0	18.8	19.3	1O			0	6	17.4
2940	I	III	72	17.6	18.0	19.0	1O			1	6	17.3
2941	RI	III	85	17.0	17.2	18.0	1C	S		2	6	17.3
2942	RI	I-II	32	14.9:	16.6	18.0	1O			0	6	17.3
2943	R	I-II	64:	17.3	17.7	18.5	3O,1C	B		1	6	17.3
2944	RI	I	37	15.0	16.7	18.4	1O			0	6	17.3
2945	I	III	46	16.8	18.1	19.1	1O			0	6	17.4
2946	RI	II	48	17.5	18.1	19.4	1O			0	6	17.4
2947	R	I-II	67	17.3?	17.8	18.9	1O			1	6	17.3
2948	IR	III	59:	18.0	18.4	19.1	1C,1O	B		1	6	17.4
2949	RI	II-III	45	18.0	18.3	19.1	1O	B		0	6	17.4
2950	I	I-II	43	14.5	16.8	18.0	1O			0	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2951	01 51.6 -58 25	01 53.3 -58 10	287.92	-57.12	F114	-19	86	183	250
2952	01 52.2 -35 56	01 54.4 -35 41	249.39	-74.11	F354	-90	-51	254	113
2953	01 52.2 -78 55	01 52.1 -78 40	299.20	-38.01	F013	56	55	108	219
2954	01 53.5 -71 43	01 54.5 -71 28	295.96	-44.79	F052	36	-92	128	72
2955	01 54.6 -17 17	01 57.0 -17 02	182.67	-71.80	F544	-147	147	311	311
2956	01 54.8 -24 14	01 57.1 -23 59	204.62	-74.87	F477	57	43	107	207
2957	01 56.2 -79 31	01 55.9 -79 16	299.21	-37.38	F013	63	22	101	186
2958	01 56.3 -19 24	01 58.7 -19 09	189.18	-72.63	F544	-124	32	288	196
2959	01 56.4 -50 02	01 58.3 -49 47	277.91	-63.96	F197	-36	1	200	165
2960	01 57.5 -38 16	01 59.6 -38 01	254.51	-72.02	F298	-133	91	297	255
2961	01 57.8 -31 29	02 00.0 -31 14	232.40	-74.49	F414	29	-78	135	86
2962	01 58.4 -33 07	02 00.6 -32 52	238.14	-73.99	F354	-21	102	185	266
2963	01 58.6 -36 14	02 00.8 -35 59	248.27	-72.82	F354	-19	-65	183	99
2964	01 58.8 -25 19	02 01.1 -25 04	209.38	-74.24	F477	104	-17	60	147
2965	01 59.2 -40 39	02 01.3 -40 24	260.02	-70.39	F298	-112	-36	276	128
2966	01 59.4 -21 15	02 01.7 -21 00	195.84	-72.85	F544	-85	-66	249	98
2967	02 00.6 -28 30	02 02.9 -28 15	221.18	-74.16	F414	64	81	100	245
2968	02 01.5 -27 27	02 03.8 -27 12	217.39	-73.93	F414	75	137	89	301
2969	02 01.5 -41 20	02 03.6 -41 05	260.84	-69.64	F298	-88	-72	252	92
2970	02 02.9 -35 55	02 05.0 -35 40	246.11	-72.16	F354	26	-49	138	115
2971	02 03.0 -31 52	02 05.2 -31 37	233.01	-73.34	F414	87	-100	77	64
2972	02 03.4 -27 21	02 05.7 -27 06	217.14	-73.50	F414	98	142	66	306
2973	02 04.2 -26 19	02 06.5 -26 04	213.62	-73.21	F478	-95	-70	259	94
2974	02 04.3 -27 30	02 06.6 -27 15	217.72	-73.31	F414	109	134	55	298
2975	02 04.4 -28 59	02 06.6 -28 44	222.89	-73.33	F414	108	54	56	218
2976	02 04.5 -25 47	02 06.8 -25 32	211.84	-73.06	F478	-93	-41	257	123
2977	02 04.9 -26 01	02 07.2 -25 46	212.68	-73.01	F478	-88	-54	252	110
2978	02 05.9 -32 09	02 08.1 -31 54	233.56	-72.68	F414	120	-116	44	48
2979	02 06.6 -26 36	02 08.9 -26 21	214.82	-72.71	F478	-66	-85	230	79
2980	02 07.1 -43 12	02 09.1 -42 57	263.13	-67.67	F246	-126	96	290	260
2981	02 07.7 -27 36	02 10.0 -27 21	218.24	-72.57	F478	-53	-138	217	26
2982	02 08.6 -37 19	02 10.7 -37 04	248.64	-70.54	F298	-16	144	180	308
2983	02 08.7 -33 20	02 10.9 -33 05	236.94	-71.85	F354	92	90	72	254
2984	02 09.4 -40 31	02 11.5 -40 16	256.54	-68.88	F298	-9	-28	173	136
2985	02 09.5 -17 17	02 11.9 -17 02	188.64	-68.86	F544	43	147	121	311
2986	02 09.8 -28 41	02 12.0 -28 26	221.87	-72.15	F415	-98	71	262	235
2987	02 10.8 -53 43	02 12.5 -53 28	278.83	-59.68	F153	-14	71	178	235
2988	02 11.0 -47 22	02 12.9 -47 07	269.72	-64.40	F246	-81	-126	245	38
2989	02 11.2 -27 48	02 13.4 -27 34	219.05	-71.81	F415	-82	119	246	283
2990	02 12.0 -30 42	02 14.2 -30 28	228.29	-71.59	F415	-71	-36	235	128
2991	02 12.3 -26 03	02 14.6 -25 49	213.62	-71.37	F478	1	-55	163	109
2992	02 12.6 -26 54	02 14.9 -26 40	216.30	-71.42	F478	5	-101	159	63
2993	02 12.8 -36 46	02 14.9 -36 32	246.16	-69.99	F355	-123	-96	287	68
2994	02 12.9 -21 19	02 15.2 -21 05	199.91	-69.98	F544	85	-70	79	94
2995	02 12.9 -25 04	02 15.2 -24 50	210.70	-71.06	F478	9	-2	155	162
2996	02 13.0 -51 51	02 14.8 -51 37	275.92	-60.91	F197	102	-100	62	64
2997	02 13.9 -52 03	02 15.7 -51 49	275.97	-60.67	F153	11	160	153	324
2998	02 14.4 -48 30	02 16.3 -48 16	270.66	-63.20	F197	123	79	41	243
2999	02 15.1 -28 36	02 17.3 -28 22	221.68	-70.98	F415	-36	77	200	241
3000	02 15.3 -19 39	02 17.6 -19 25	196.22	-68.79	F545	-150	19	314	183

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2951	IR	III	37	18.0	18.1	18.9	10			0	6	17.3
2952	I	III	45	17.4	17.6	17.9:	1C	B		0	5	17.2
2953	R:	I-II	57	16.0	16.8	17.8	10			1	5	17.1
2954	I	II	121	15.1	15.8	16.1	10			2	4	16.3
2955	I	II	56:	15.9	16.4	16.9	10			1	5	17.1
2956	I	I-II	92	16.0	18.0	19.3	10			2	6	17.4
2957	IR	I	40	15.7	17.5	18.0	20			0	5	17.2
2958	IR	III	57	17.6	18.2	19.3	20			1	6	17.4
2959	I	III	41	16.8?	17.6	18.4	10	BDQ		0	6	17.3
2960	IR	I-II	35	14.9?	16.7	18.3	10			0	6	17.3
2961	RI	I	31	15.8	17.0	18.0	10			0	6	17.3
2962	I	II-III	57	16.6	16.7	17.0	1C	B		1	5	17.2
2963	I	III	41	16.2	16.5	17.5	1C			0	5	17.2
2964	I	II-III	47	17.5	18.0	18.9	10			0	6	17.3
2965	I	III	41:	17.3	17.6	18.1	10			0	6	17.3
2966	I	II-III	68	15.5:	16.9	18.2	10			1	6	17.3
2967	IR	II-III	34	16.1	16.7	18.1	10			0	6	17.3
2968	I	III	42	16.1	16.7	17.6	10			0	5	17.2
2969	R	I	83	16.0	16.8	17.3	10	B		2	5	17.2
2970	I	II-III	72	17.2	17.4	18.1?	1C			1	6	17.3
2971	I	III	37	16.5	16.7	18.0	10			0	6	17.3
2972	IR	I-II	47	16.1	16.7	17.7	10			0	5	17.2
2973	I	II-III	76	16.6	17.8	19.1	10			1	6	17.4
2974	IR	II-III	63	16.1	17.5	18.7	10			1	6	17.3
2975	I	III	43	17.0	17.5	18.1	10			0	6	17.3
2976	R	II	102	17.4	17.6	18.8	10			2	6	17.3
2977	R	I	93	16.7	17.3	18.9	10			2	6	17.3
2978	I	II:	41	16.2	17.1:	18.0:	20	B		0	5	17.2
2979	I	II	43	15.8	16.8	18.0	10			0	6	17.3
2980	IR	III	59	16.0	17.9	18.8	20			1	6	17.3
2981	I	II-III	30	15.7	16.3	18.0	30			0	5	17.2
2982	R	II	50	17.8	18.6	19.2	10,1C	B		1	6	17.4
2983	I	III	51	17.0	17.1	17.5	1C			1	5	17.2
2984	R	I	54	15.4	16.7	17.5	10	B		1	5	17.2
2985	IR	II-III	101	16.6	17.6	18.4	10			2	6	17.3
2986	I	III	43	17.6	18.2	19.1	10			0	6	17.4
2987	R	II-III	30	16.1	16.9	18.2	10	DQ		0	6	17.3
2988	R	I-II	72	15.6	17.1	18.0:	30	BDQ	(0.0649)	1	5	17.2
2989	I	III	67	17.1	17.6	19.2	10			1	6	17.4
2990	I	I-II	33	15.6:	16.6	17.5	10			0	5	17.2
2991	I	II	44	16.5	17.3:	18.1	10			0	6	17.3
2992	RI	I	30	14.5	15.5	17.0	10			0	5	17.2
2993	RI?	II-III	55	18.5	19.0:	19.5	2C			1	6	17.4
2994	IR	III	76	16.8:	17.7	19.1	10			1	6	17.4
2995	I	I-II	69:	16.1:	17.4	17.8	10		(0.0378)	1	5	17.2
2996	IR	II	43	16.1	17.4	18.6	20	B		0	6	17.3
2997	I	III	30	18.0	18.2	19.3	10	D		0	6	17.4
2998	RI	I-II	50	17.5	17.7	18.8	20	D		1	6	17.3
2999	R	II-III	56	17.5	18.1	19.1	10			1	6	17.4
3000	I	II-III	71	17.1	17.7	19.3	10			1	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3001	02 15.4 -17 42	02 17.8 -17 28	191.57	-67.87	F544	119	123	45	287
3002	02 16.4 -50 16	02 18.2 -50 02	272.87	-61.72	F198	-117	-13	281	151
3003	02 16.7 -29 12	02 18.9 -28 58	223.52	-70.64	F415	-17	45	181	209
3004	02 17.0 -48 14	02 18.9 -48 00	269.58	-63.07	F198	-117	95	281	259
3005	02 17.5 -19 20	02 19.8 -19 06	196.05	-68.19	F545	-122	36	286	200
3006	02 17.7 -41 16	02 19.7 -41 02	256.08	-67.15	F298	76	-68	88	96
3007	02 18.8 -23 19	02 21.1 -23 05	206.63	-69.34	F478	83	91	81	255
3008	02 19.7 -40 15	02 21.7 -40 01	253.31	-67.31	F298	97	-15	67	149
3009	02 20.3 -48 48	02 22.1 -48 34	269.68	-62.28	F198	-87	66	251	230
3010	02 20.4 -63 55	02 21.7 -63 41	287.39	-50.63	F081	48	59	116	223
3011	02 20.5 -17 01	02 22.9 -16 47	191.61	-66.47	F545	-85	160	249	324
3012	02 21.3 -27 02	02 23.5 -26 48	217.33	-69.51	F415	37	160	127	324
3013	02 21.5 -41 14	02 23.5 -41 00	255.11	-66.54	F299	-148	-68	312	96
3014	02 22.0 -42 20	02 24.0 -42 06	257.36	-65.91	F298	115	-128	49	36
3015	02 23.2 -49 46	02 25.0 -49 32	270.52	-61.28	F198	-61	14	225	178
3016	02 23.4 -42 14	02 25.4 -42 00	256.83	-65.74	F246	32	151	132	315
3017	02 23.9 -42 08	02 25.9 -41 54	256.51	-65.71	F299	-124	-115	288	49
3018	02 24.8 -64 15	02 26.0 -64 01	287.05	-50.09	F081	72	39	92	203
3019	02 25.0 -56 21	02 26.6 -56 07	279.00	-56.36	F154	-149	-76	313	88
3020	02 25.5 -50 16	02 27.3 -50 02	270.77	-60.67	F198	-41	-13	205	151
3021	02 25.9 -67 14	02 26.9 -67 00	289.41	-47.53	F053	-55	150	219	314
3022	02 26.1 -24 39	02 28.4 -24 25	211.32	-68.05	F479	-99	19	263	183
3023	02 26.3 -28 27	02 28.5 -28 13	221.53	-68.52	F415	96	83	68	247
3024	02 26.3 -38 34	02 28.3 -38 20	248.02	-66.84	F299	-103	76	267	240
3025	02 27.2 -27 48	02 29.4 -27 34	219.80	-68.28	F415	107	118	57	282
3026	02 28.0 -37 01	02 30.1 -36 47	244.00	-67.05	F355	41	-108	123	56
3027	02 28.4 -33 19	02 30.5 -33 05	234.56	-67.82	F355	48	90	116	254
3028	02 28.7 -27 49	02 30.9 -27 35	219.92	-67.95	F415	124	117	40	281
3029	02 28.9 -38 55	02 30.9 -38 41	248.37	-66.24	F299	-76	58	240	222
3030	02 28.9 -49 22	02 30.7 -49 08	268.64	-60.85	F198	-11	36	175	200
3031	02 30.0 -56 15	02 31.5 -56 01	277.95	-55.97	F154	-114	-69	278	95
3032	02 32.4 -21 49	02 34.7 -21 35	205.33	-65.89	F545	64	-98	100	66
3033	02 34.2 -41 59	02 36.1 -41 45	254.10	-64.09	F246	140	162	24	326
3034	02 34.4 -32 43	02 36.5 -32 29	232.60	-66.65	F416	-78	-144	242	20
3035	02 35.0 -66 50	02 35.9 -66 36	287.99	-47.36	F082	-112	-100	276	64
3036	02 35.1 -45 34	02 36.9 -45 21	260.88	-62.22	F247	-125	-31	289	133
3037	02 36.0 -86 04	02 28.8 -85 50	300.95	-30.90	F003	10	-58	154	106
3038	02 36.3 -52 37	02 37.9 -52 24	272.01	-57.85	F154	-73	127	237	291
3039	02 38.1 -33 17	02 40.2 -33 04	233.78	-65.81	F356	-113	91	277	255
3040	02 38.6 -55 38	02 40.1 -55 25	275.66	-55.57	F154	-50	-32	214	132
3041	02 39.2 -28 51	02 41.4 -28 38	222.95	-65.71	F416	-23	63	187	227
3042	02 41.1 -27 07	02 43.3 -26 54	218.89	-65.14	F416	0	156	164	320
3043	02 41.5 -29 01	02 43.7 -28 48	223.42	-65.22	F416	3	54	161	218
3044	02 41.6 -28 05	02 43.8 -27 52	221.20	-65.13	F416	5	104	159	268
3045	02 42.0 -51 40	02 43.6 -51 27	269.59	-57.79	F198	97	-90	67	74
3046	02 43.4 -34 29	02 45.5 -34 16	236.27	-64.57	F356	-53	29	217	193
3047	02 43.4 -46 40	02 45.2 -46 27	261.29	-60.42	F247	-46	-88	210	76
3048	02 43.8 -20 41	02 46.1 -20 28	204.89	-63.01	F546	-53	-36	217	128
3049	02 43.9 -53 24	02 45.5 -53 11	271.75	-56.48	F154	-11	85	175	249
3050	02 44.2 -54 20	02 45.7 -54 07	272.99	-55.84	F154	-8	37	172	201

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3001	I	II	40	15.5:	16.6	18.2	1O			0	6	17.3
3002	I	II-III	31	15.4	17.0	18.5	2O	Q		0	6	17.3
3003	I	III	54	16.4?	18.0	19.3	1O			1	6	17.4
3004	RI	I-II	36	14.8	16.1	16.6	1O	Q	0.0635	0	5	16.8
3005	IR	II-III	84:	16.7	18.1:	19.0	2O			2	6	17.4
3006	I	III	42:	16.1:	17.3:	17.9:	1O			0	5	17.2
3007	I	I-II	39:	18.1	19.0	19.4	1O			0	6	17.4
3008	IR	II-III	40:	16.0	17.4	18.1	1O			0	6	17.3
3009	R:	I	54	13.9	15.5	16.1	1O		0.0631	1	4	16.3
3010	I	II-III	55	15.8	17.2	18.0	1O			1	6	17.3
3011	I	II-III	72:	15.5	17.0	18.7	1O			1	6	17.3
3012	RI	II	62	16.1	17.6	18.0	1O			1	6	17.3
3013	RI	I-II	46	16.7	17.5	18.8	1O			0	6	17.3
3014	I	III	51	17.3	17.7	18.6	2O			1	6	17.3
3015	R	I-II	88	17.3	18.1	19.0	1O			2	6	17.3
3016	RI	II-III	42	18.2	18.7	19.1	1O			0	6	17.4
3017	R	II?	55	17.4	18.7	18.7:	2O	B		1	6	17.4
3018	I	II-III	38	16.8	17.5	18.2	1O	B		0	6	17.3
3019	I:	II-III:	80	18.1?	18.5	19.4	1C			2	6	17.4
3020	IR	I-II	59	16.6	17.8	18.9	1O			1	6	17.3
3021	I	II	36	15.4	16.7	17.6	1O	BDQ		0	5	17.2
3022	I	III	44	18.4	18.8?	19.4	1C			0	6	17.4
3023	I	III	34	18.0	18.6	19.5	1O			0	6	17.4
3024	I	III	57	17.3	17.7	18.3	1O			1	6	17.3
3025	I	II-III	42	17.5	18.0	19.3	1O			0	6	17.4
3026	RI	III	88	18.0	18.2	19.2	1C			2	6	17.4
3027	I	III	44	14.8?	15.2?	16.1	1C			0	4	16.3
3028	IR:	III	76	17.3	18.0	18.8:	2O,1C			1	6	17.4
3029	IR	II	72	16.7	17.3	18.4	1O			1	6	17.3
3030	I	II	42	16.0	16.6	18.1	1O			0	6	17.3
3031	I	III	66	17.8	18.1	19.5	1C			1	6	17.4
3032	I	III	45	17.7	18.3	19.1	1O			0	6	17.4
3033	I	II-III	31:	15.3	16.8	18.1	1O			0	6	17.3
3034	R	I	51	18.0	18.6	19.3	1O			1	6	17.4
3035	I	III	40	17.8	18.1	19.2	2O			0	6	17.4
3036	RI	III	62	17.4	18.0	18.8	2O	Q		1	6	17.3
3037	I	II:	30	16.0	16.8	18.2	2O			0	5	17.2
3038	I	II:	60	16.5:	17.1	18.0	1C,1O	D		1	6	17.3
3039	R	II-III:	71	17.7:	18.1	18.9	1C			1	6	17.3
3040	R	II	69	15.2	15.9	17.3	1C	D	0.0923	1	5	17.2
3041	RI	I-II	62	17.4	17.5	18.7	1O	B		1	6	17.3
3042	I	I	77	15.4	16.8	18.4	1O			1	6	17.3
3043	R	I	61	17.4	18.5	19.4	1O			1	6	17.4
3044	I	II-III	65	16.2	16.7	17.5	1O			1	5	17.2
3045	IR	II	32	14.8	16.0	16.7	2O			0	5	16.9
3046	IR	III	51	17.4	17.8	18.2:	1C			1	6	17.3
3047	R	I	45	15.5	16.1	16.8	1O	QR		0	5	17.0
3048	I	III	110	18.7	19.2	19.5	1C			2	6	17.4
3049	I	III	46	17.9	18.1	19.4	1C			0	6	17.4
3050	R	II	50	18.0	18.6	19.4	1C			1	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3051	02 44.7 -57 51	02 46.1 -57 38	277.41	-53.43	F115	85	114	79	278
3052	02 45.2 -27 46	02 47.4 -27 33	220.65	-64.31	F416	49	120	115	284
3053	02 45.3 -34 10	02 47.4 -33 57	235.42	-64.22	F356	-32	46	196	210
3054	02 46.5 -27 57	02 48.7 -27 44	221.13	-64.04	F416	64	110	100	274
3055	02 46.6 -48 01	02 48.3 -47 48	263.04	-59.26	F199	-124	107	288	271
3056	02 47.4 -28 10	02 49.6 -27 57	221.67	-63.87	F416	74	99	90	263
3057	02 47.5 -48 37	02 49.2 -48 24	263.88	-58.81	F199	-112	73	276	237
3058	02 48.8 -55 09	02 50.3 -54 56	273.34	-54.81	F154	26	-6	138	158
3059	02 49.2 -46 31	02 51.0 -46 18	260.05	-59.63	F247	7	-80	157	84
3060	02 49.9 -48 54	02 51.6 -48 41	263.94	-58.33	F199	-93	60	257	224
3061	02 50.0 -64 56	02 51.0 -64 43	284.45	-47.88	F082	-36	6	200	170
3062	02 50.2 -25 35	02 52.4 -25 22	216.15	-62.89	F480	-72	-30	236	134
3063	02 50.2 -36 56	02 52.2 -36 43	241.17	-62.78	F356	22	-103	142	61
3064	02 51.2 -33 40	02 53.3 -33 27	234.00	-63.06	F356	32	72	132	236
3065	02 51.3 -53 46	02 52.8 -53 33	271.05	-55.39	F154	47	67	117	231
3066	02 52.8 -79 16	02 51.4 -79 03	296.17	-36.44	F014	-19	41	183	205
3067	02 53.1 -54 19	02 54.6 -54 06	271.53	-54.84	F154	61	37	103	201
3068	02 53.5 -44 32	02 55.3 -44 19	255.86	-59.83	F247	48	26	116	190
3069	02 53.7 -22 52	02 55.9 -22 39	210.87	-61.49	F480	-29	115	193	279
3070	02 54.4 -24 55	02 56.6 -24 42	215.14	-61.82	F480	-21	5	185	169
3071	02 55.2 -47 12	02 56.9 -46 59	260.28	-58.40	F199	-47	152	211	316
3072	02 55.6 -47 48	02 57.3 -47 36	261.23	-58.06	F247	64	-149	100	15
3073	02 55.9 -21 16	02 58.2 -21 04	208.02	-60.53	F546	97	-68	67	96
3074	02 56.4 -52 55	02 57.9 -52 43	269.05	-55.27	F154	85	111	79	275
3075	02 56.8 -23 12	02 59.0 -23 00	211.93	-60.89	F480	9	97	155	261
3076	02 57.0 -45 15	02 58.8 -45 03	256.65	-58.97	F247	81	-13	83	151
3077	02 58.3 -51 39	02 59.9 -51 27	266.91	-55.73	F199	-18	-86	182	78
3078	02 58.9 -52 02	03 00.5 -51 50	267.39	-55.45	F199	-14	-107	178	57
3079	02 59.2 -44 35	03 01.0 -44 23	255.16	-58.87	F247	104	22	60	186
3080	02 59.7 -66 15	03 00.5 -66 03	284.69	-46.24	F082	18	-66	146	98
3081	03 00.2 -41 10	03 02.1 -40 58	248.72	-59.85	F300	-21	-62	185	102
3082	03 01.2 -27 49	03 03.3 -27 37	221.63	-60.80	F417	-35	118	199	282
3083	03 01.8 -22 34	03 04.0 -22 22	211.32	-59.61	F480	71	130	93	294
3084	03 02.1 -37 09	03 04.1 -36 57	240.70	-60.40	F357	-109	-115	273	49
3085	03 02.2 -49 07	03 03.8 -48 55	262.42	-56.47	F199	15	49	149	213
3086	03 02.6 -24 50	03 04.8 -24 38	215.78	-59.99	F480	78	8	86	172
3087	03 03.8 -29 58	03 05.9 -29 46	226.10	-60.43	F417	-4	3	168	167
3088	03 04.9 -28 52	03 07.0 -28 40	223.93	-60.10	F417	9	62	155	226
3089	03 06.2 -36 54	03 08.2 -36 42	239.95	-59.63	F357	-64	-102	228	62
3090	03 06.8 -48 25	03 08.4 -48 13	260.68	-56.11	F199	57	86	107	250
3091	03 07.2 -29 13	03 09.3 -29 01	224.71	-59.64	F417	36	42	128	206
3092	03 07.3 -65 46	03 08.1 -65 34	283.41	-46.03	F082	60	-41	104	123
3093	03 09.2 -47 35	03 10.9 -47 23	259.02	-56.10	F199	80	129	84	293
3094	03 09.3 -27 07	03 11.4 -26 55	220.74	-58.92	F481	-109	-111	273	53
3095	03 10.3 -27 20	03 12.4 -27 08	221.22	-58.74	F481	-96	-123	260	41
3096	03 10.3 -44 29	03 12.1 -44 17	253.66	-57.06	F248	-56	30	220	194
3097	03 11.1 -63 18	03 12.0 -63 06	280.33	-47.37	F082	90	90	74	254
3098	03 11.8 -38 30	03 13.7 -38 18	242.68	-58.29	F300	101	79	63	243
3099	03 12.1 -58 54	03 13.3 -58 42	274.98	-50.01	F116	10	61	154	225
3100	03 12.2 -47 59	03 13.8 -47 47	259.31	-55.48	F199	106	108	58	272

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3051	I	III	43	17.7	18.4	18.9	1O			0	6	17.3
3052	IR	I	44	15.6	15.9	17.5	1O,1C			0	5	17.2
3053	R	III	70	17.5	17.6	18.4	1C			1	6	17.3
3054	RI	I-II	31	16.0	16.1	17.0	1O			0	5	17.2
3055	IR	I-II	40	16.1	17.4	17.8	1O			0	5	17.2
3056	R:	I	81?	16.1	17.4	19.3	1O			2	6	17.4
3057	I	II	31	16.5	17.3	18.3	2O			0	6	17.3
3058	I	III?	54	17.9	18.3	19.4	1C			1	6	17.4
3059	IR	I-II	40	15.4	16.0	17.4	1O	Q		0	5	17.2
3060	I	II-III	42	16.6	16.8	18.0	1O			0	6	17.3
3061	I	II	44	17.1	18.0	18.8	1O	BD		0	6	17.3
3062	I	II-III	48	16.6	16.8	18.1	1O			0	6	17.3
3063	I	III	67	17.3	17.6?	18.0	1C			1	6	17.3
3064	R	II-III	74	17.9	18.3	19.4	1C	D		1	6	17.4
3065	R?	III?	80	17.4?	17.7	18.6	1C	D		2	6	17.3
3066	I	III	44	17.8	18.0	19.1	1O			0	6	17.3
3067	RI	III	88	17.1	17.4	18.0	1C	D		2	6	17.3
3068	IR	II	61:	15.6:	17.5	18.6	1O	Q		1	6	17.3
3069	IR	I-II	43	16.5	17.8	18.1	1O			0	6	17.3
3070	RI	I	53	15.3	16.5	17.5	1O			1	5	17.2
3071	IR	I-II	40	17.8	18.3	19.4	1O			0	6	17.4
3072	I	III	37	18.0	18.1	18.8	1O			0	6	17.3
3073	R	III	43	16.5	17.0	18.1:	2C,1O			0	5	17.2
3074	RI:	II	31:	14.4	15.2	16.3:	1C,1O	DO		0	5	16.6
3075	IR	I-II	38	18.0	18.9	19.4	1O			0	6	17.4
3076	RI	I-II	49	17.1	17.4	18.6	1O			0	6	17.3
3077	I	II	36	15.5	16.7	17.2	1O			0	5	17.2
3078	RI	I	40	14.6	15.5	16.8	1O		0.0600	0	5	17.0
3079	IR	I-II	39	17.8	18.1	19.3	2O			0	6	17.4
3080	IR	I-II	36	15.6	17.2	18.1	1O	BD		0	6	17.3
3081	RI	I-II	37	16.2	18.0	19.2	1O			0	6	17.4
3082	I	II-III	91	16.1	18.1	18.7	1O			2	6	17.3
3083	RI	I	40	18.1	19.3	19.5	1O			0	6	17.4
3084	R	I-II	58	17.5	18.5	19.0	2C,1O			1	6	17.4
3085	I	III	56	16.1	17.5	18.6	1O			1	6	17.3
3086	I	III	43	16.7	17.6	18.6	1O			0	6	17.3
3087	RI	I-II	41	16.1	17.5	18.5	1O			0	6	17.3
3088	R:	I-II	83	16.8	17.6	18.6	1O			2	6	17.3
3089	RI?	I-II	30	15.0	15.1	15.6	1C,1O	KR		0	4	15.8
3090	IR	I-II	34	17.3	17.8	18.6	1O			0	6	17.3
3091	IR	II-III	56	15.9?	17.4	18.1	1O			1	6	17.3
3092	IR	II	40	17.1	17.4	18.0	1O	D		0	6	17.3
3093	R:	I	93	15.0	15.6	16.2	1O		0.0585	2	4	16.4
3094	R	I-II	80	14.2	15.4	16.1	3O	R		2	4	16.3
3095	RI	I-II	49:	14.6	15.4	16.1	1O	R		0	4	16.3
3096	I	II	35:	16.1	16.5	17.6	1O			0	5	17.2
3097	I	III	36	17.5	18.1	19.1	1O	D		0	6	17.4
3098	R	I	38	14.6	15.4	16.7	1O			0	5	16.9
3099	RI	II-III	69	16.9	17.6	18.8	1O			1	6	17.3
3100	IR	I	46:	14.6	15.4	15.9	1O			0	4	16.1

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3101	03 12.3 -32 23	03 14.3 -32 11	230.99	-58.69	F357	1	140	163	304
3102	03 12.5 -44 49	03 14.2 -44 37	254.00	-56.58	F248	-35	13	199	177
3103	03 12.5 -69 23	03 12.9 -69 11	286.58	-43.16	F054	-77	33	241	197
3104	03 12.6 -45 36	03 14.3 -45 24	255.32	-56.30	F248	-33	-30	197	134
3105	03 12.7 -42 41	03 14.5 -42 29	250.25	-57.19	F248	-33	127	197	291
3106	03 13.3 -58 17	03 14.5 -58 05	274.06	-50.24	F116	19	94	145	258
3107	03 13.6 -42 57	03 15.4 -42 45	250.64	-56.96	F248	-24	112	188	276
3108	03 13.6 -47 49	03 15.2 -47 37	258.88	-55.33	F200	-150	116	314	280
3109	03 14.9 -44 02	03 16.7 -43 51	252.41	-56.42	F248	-12	54	176	218
3110	03 15.0 -51 05	03 16.5 -50 54	263.82	-53.74	F199	122	-60	42	104
3111	03 16.1 -45 55	03 17.8 -45 44	255.48	-55.62	F248	-1	-46	165	118
3112	03 16.2 -44 25	03 17.9 -44 14	252.94	-56.08	F248	0	34	164	198
3113	03 16.2 -49 00	03 17.8 -48 49	260.47	-54.46	F200	-124	53	288	217
3114	03 16.4 -39 18	03 18.3 -39 07	243.87	-57.27	F301	-122	36	286	200
3115	03 16.9 -20 56	03 19.1 -20 45	210.34	-55.78	F547	96	-50	68	114
3116	03 17.2 -43 07	03 19.0 -42 56	250.61	-56.28	F248	11	103	153	267
3117	03 19.2 -72 09	03 19.1 -71 58	288.71	-40.83	F054	-41	-114	205	50
3118	03 19.5 -34 22	03 21.5 -34 11	234.68	-57.16	F357	80	34	84	198
3119	03 19.5 -68 16	03 19.9 -68 05	284.86	-43.46	F054	-46	94	210	258
3120	03 20.4 -51 30	03 21.9 -51 19	263.82	-52.80	F200	-83	-80	247	84
3121	03 20.4 -70 40	03 20.5 -70 29	287.20	-41.78	F054	-38	-34	202	130
3122	03 20.5 -41 31	03 22.3 -41 20	247.55	-56.08	F301	-77	-81	241	83
3123	03 21.5 -52 12	03 23.0 -52 01	264.74	-52.34	F200	-74	-117	238	47
3124	03 21.6 -44 41	03 23.3 -44 30	252.89	-55.09	F248	52	18	112	182
3125	03 26.0 -53 41	03 27.4 -53 30	266.39	-51.08	F155	63	123	101	287
3126	03 27.4 -55 53	03 28.7 -55 42	269.31	-49.88	F155	67	-47	97	117
3127	03 27.5 -17 27	03 29.8 -17 16	206.27	-52.22	F548	-33	139	197	303
3128	03 28.8 -52 44	03 30.2 -52 33	264.74	-51.11	F155	88	122	76	286
3129	03 29.7 -30 46	03 31.7 -30 35	228.34	-54.91	F418	28	-38	136	126
3130	03 30.0 -47 16	03 31.6 -47 05	256.35	-52.92	F200	-3	148	167	312
3131	03 30.1 -51 14	03 31.6 -51 03	262.41	-51.53	F200	-2	-65	166	99
3132	03 30.5 -44 22	03 32.2 -44 11	251.64	-53.64	F249	-131	33	295	197
3133	03 31.1 -46 07	03 32.7 -45 56	254.43	-53.08	F249	-116	-61	280	103
3134	03 31.5 -40 57	03 33.3 -40 46	245.90	-54.15	F301	34	-51	130	113
3135	03 32.2 -39 10	03 34.0 -39 00	242.85	-54.26	F301	43	44	121	208
3136	03 32.4 -72 00	03 32.2 -71 49	287.67	-40.18	F054	14	-106	150	58
3137	03 33.0 -18 16	03 35.3 -18 06	208.28	-51.31	F548	36	95	128	259
3138	03 33.2 -34 42	03 35.1 -34 32	235.19	-54.33	F358	-35	18	199	182
3139	03 34.4 -23 49	03 36.6 -23 39	217.03	-52.71	F482	-71	63	235	227
3140	03 34.5 -40 48	03 36.3 -40 38	245.50	-53.61	F301	64	-43	100	121
3141	03 34.9 -28 13	03 37.0 -28 03	224.24	-53.49	F418	90	99	74	263
3142	03 34.9 -39 58	03 36.7 -39 48	244.09	-53.65	F301	70	2	94	166
3143	03 35.3 -71 38	03 35.2 -71 28	287.11	-40.24	F054	26	-86	138	78
3144	03 35.8 -55 11	03 37.1 -55 01	267.52	-49.14	F156	-118	-8	282	156
3145	03 36.0 -38 11	03 37.9 -38 01	241.06	-53.62	F301	83	97	81	261
3146	03 36.4 -33 21	03 38.4 -33 11	232.91	-53.65	F358	0	91	164	255
3147	03 36.4 -62 45	03 37.2 -62 35	277.22	-45.39	F083	-23	122	187	286
3148	03 36.7 -32 53	03 38.7 -32 43	232.12	-53.57	F358	6	117	158	281
3149	03 36.9 -69 45	03 37.0 -69 35	285.06	-41.32	F054	37	15	127	179
3150	03 37.5 -33 23	03 39.5 -33 13	232.98	-53.42	F358	13	89	151	253

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3101	RI	III	110	19.0	19.2	19.5	1C			2	6	17.4
3102	R	I-II	33	16.2	17.3	18.0	1O			0	6	17.3
3103	I	II-III	30	15.4?	16.8	18.0	1O			0	6	17.3
3104	R:	I	37	15.4	15.6	16.0	1O			0	4	16.2
3105	I	II-III	52	16.1	18.0	18.7	1O			1	6	17.3
3106	RI	I-II	44	15.4	16.4	17.5	1O	D	0.0645	0	5	17.2
3107	IR	II	61:	15.4	15.9	16.8	3O			1	5	17.0
3108	IR	II	73	15.6	15.7	16.0	1O		0.0632	1	4	16.2
3109	R:	I	32:	13.9	15.6	16.8	1O		0.0673	0	5	17.0
3110	RI	I-II	37	14.6	15.7	16.0	2O	D	0.0755	0	4	16.2
3111	R	I-II	54	15.1	15.4	16.1	1O			1	4	16.3
3112	R:	I	116:	14.7	15.5	15.9	1O		0.0703	2	4	16.1
3113	RI	I	55	16.7	17.3	17.6	2O			1	5	17.2
3114	I	I-II	45	15.9	17.6	18.1	1O			0	6	17.3
3115	R	II	40:	17.6	17.8	18.5	2O,1C			0	6	17.3
3116	RI	I-II	47	15.4	16.7	17.8	1O			0	5	17.2
3117	IR	II	32	15.9	16.7	18.0	2O	D		0	5	17.2
3118	I	III	43	16.0	16.5	17.7	1C			0	5	17.2
3119	IR	II-III	41	15.8	17.3	18.0	1O			0	6	17.3
3120	R	I	40	15.1	16.0	17.3	1O	DS	0.0696	0	5	17.2
3121	IR	II	38	15.4	16.6	18.0	1O	D		0	6	17.3
3122	R	I-II	100	14.5	15.2	15.6	1O			2	4	15.8
3123	R:	I-II	37	14.5	15.6	16.0	1O		0.0650	0	4	16.2
3124	IR	III	39	15.8	17.5	18.2	1O			0	6	17.3
3125	I	III	46	14.4?	14.8?	15.6	1C	d	0.0593	0	4	15.8
3126	R	III	75	15.9	16.2	16.8	1C		0.0862	1	5	17.0
3127	R:	II-III	93	15.9*	18.4	19.5	1O			2	6	17.4
3128	RI	I-II	140?	13.9:	14.6	15.1:	1C,1O	DdKS	0.0554	3	3	15.3
3129	RI	III	55	16.3	16.8	17.8	1C			1	5	17.2
3130	I	III	36	16.4	16.7	18.0	1O			0	6	17.3
3131	IR	II	31	15.0?	16.7	18.0	1O			0	6	17.3
3132	IR	II:	56	15.8?	17.0:	18.2:	2O	Q		1	5	17.2
3133	I	III	33:	15.1:	15.3:	16.0:	1O			0	4	16.2
3134	I	II-III	50	15.6	16.0	17.8	1O			1	5	17.2
3135	R	II	111	14.5	15.1	15.3	1O			2	3	15.5
3136	R	II	68	16.0	16.7	17.9	2O	BDQ	0.1203	1	5	17.2
3137	I	II-III	46	16.0	16.7	18.3	1O			0	6	17.3
3138	I	III	32	18.1	18.4	19.2	1O			0	6	17.4
3139	I	II-III:	100	17.9?	18.5	19.6	1C			2	6	17.4
3140	R	I-II	45	16.1	18.0	18.2	1O			0	6	17.3
3141	RI	II-III	55	14.9	15.6	16.6	1C			1	5	16.8
3142	RI	I-II	78	14.6	15.5	16.7	1O			1	5	16.9
3143	IR	I-II	32	15.3	17.3	18.1	1O			0	6	17.3
3144	IR	I-II	54:	14.6	15.0	15.6	1O		0.0423	1	4	15.8
3145	I	II-III	36	15.6	17.4	17.8	1O			0	5	17.2
3146	I	II	35	16.1	16.8	17.1	1O			0	5	17.2
3147	I	I-II	47	17.3	18.0	19.2	1O			0	6	17.4
3148	RI?	I	83:	15.5	16.4	17.4	1O,1C	Q		2	5	17.2
3149	I	III	31	17.4	18.2	19.3	1O			0	6	17.4
3150	R	I-II	55	18.0	18.6	19.5	1O			1	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3151	03 38.4 -28 52	03 40.5 -28 42	225.51	-52.82	F418	131	63	33	227
3152	03 38.4 -32 44	03 40.4 -32 34	231.90	-53.20	F358	24	124	140	288
3153	03 39.1 -34 25	03 41.0 -34 15	234.72	-53.12	F358	31	34	133	198
3154	03 40.0 -32 13	03 42.0 -32 03	231.08	-52.84	F358	41	151	123	315
3155	03 40.3 -70 15	03 40.3 -70 05	285.35	-40.78	F054	51	-13	113	151
3156	03 40.6 -31 06	03 42.6 -30 56	229.26	-52.62	F419	-110	-56	274	108
3157	03 41.5 -30 06	03 43.5 -29 56	227.66	-52.32	F419	-100	-2	264	162
3158	03 41.7 -53 48	03 43.0 -53 38	265.06	-48.92	F156	-75	68	239	232
3159	03 42.1 -32 51	03 44.1 -32 41	232.17	-52.44	F358	65	117	99	281
3160	03 42.9 -22 36	03 45.1 -22 26	215.97	-50.50	F482	35	128	129	292
3161	03 43.0 -35 48	03 44.9 -35 38	237.01	-52.33	F358	73	-42	91	122
3162	03 43.1 -29 34	03 45.1 -29 24	226.87	-51.90	F419	-81	26	245	190
3163	03 44.3 -51 40	03 45.7 -51 30	261.80	-49.31	F200	115	-91	49	73
3164	03 44.7 -57 12	03 45.8 -57 02	269.46	-47.16	F156	-49	-113	213	51
3165	03 44.8 -29 11	03 46.8 -29 01	226.34	-51.48	F419	-62	48	226	212
3166	03 44.8 -32 58	03 46.8 -32 48	232.41	-51.88	F358	95	110	69	274
3167	03 45.7 -28 35	03 47.8 -28 25	225.44	-51.20	F419	-53	78	217	242
3168	03 45.9 -21 55	03 48.1 -21 45	215.26	-49.64	F482	71	166	93	330
3169	03 46.4 -33 38	03 48.3 -33 28	233.52	-51.58	F358	112	74	52	238
3170	03 46.6 -53 59	03 47.9 -53 49	264.91	-48.18	F156	-36	59	200	223
3171	03 46.7 -34 12	03 48.6 -34 02	234.43	-51.54	F358	115	43	49	207
3172	03 47.0 -39 03	03 48.8 -38 53	242.22	-51.42	F302	-75	52	239	216
3173	03 47.3 -33 53	03 49.2 -33 43	233.94	-51.41	F358	122	60	42	224
3174	03 47.8 -17 39	03 50.1 -17 29	209.38	-47.81	F549	-43	128	207	292
3175	03 48.0 -18 11	03 50.3 -18 01	210.14	-47.96	F549	-40	99	204	263
3176	03 48.8 -27 30	03 50.9 -27 21	223.94	-50.34	F419	-15	136	179	300
3177	03 48.9 -23 17	03 51.1 -23 08	217.58	-49.36	F483	-163	91	327	255
3178	03 49.5 -20 07	03 51.7 -19 58	213.05	-48.29	F549	-21	-5	185	159
3179	03 50.8 -48 45	03 52.3 -48 36	257.06	-49.17	F201	-83	68	247	232
3180	03 51.0 -39 05	03 52.8 -38 56	242.20	-50.64	F302	-33	51	197	215
3181	03 51.7 -30 50	03 53.7 -30 41	229.25	-50.22	F419	18	-43	146	121
3182	03 52.4 -31 10	03 54.4 -31 01	229.79	-50.11	F419	24	-60	140	104
3183	03 52.5 -32 10	03 54.5 -32 01	231.35	-50.20	F419	25	-113	139	51
3184	03 52.7 -37 53	03 54.5 -37 44	240.30	-50.35	F302	-15	115	179	279
3185	03 52.8 -18 38	03 55.0 -18 29	211.36	-47.05	F549	21	74	143	238
3186	03 53.1 -74 09	03 52.3 -74 00	288.63	-37.67	F032	-117	41	281	205
3187	03 55.3 -28 12	03 57.4 -28 03	225.41	-49.05	F419	60	100	104	264
3188	03 55.7 -27 11	03 57.8 -27 02	223.92	-48.77	F419	66	153	98	317
3189	03 56.0 -39 45	03 57.8 -39 36	243.16	-49.64	F302	18	15	146	179
3190	03 56.3 -22 31	03 58.5 -22 22	217.18	-47.51	F549	63	-134	101	30
3191	03 56.3 -62 58	03 57.0 -62 49	275.91	-43.32	F083	99	106	65	270
3192	03 56.7 -30 03	03 58.7 -29 54	228.27	-49.05	F419	75	-1	89	163
3193	03 56.9 -52 29	03 58.2 -52 20	262.05	-47.22	F201	-28	-131	192	33
3194	03 57.2 -30 19	03 59.2 -30 10	228.70	-48.98	F419	79	-15	85	149
3195	03 57.3 -35 19	03 59.2 -35 10	236.32	-49.41	F359	-30	-21	194	143
3196	03 57.6 -20 07	03 59.8 -19 58	213.96	-46.49	F549	80	-5	84	159
3197	03 58.0 -30 34	03 60.0 -30 25	229.11	-48.85	F419	89	-28	75	136
3198	03 58.6 -27 45	04 00.7 -27 36	224.94	-48.25	F419	100	122	64	286
3199	03 58.8 -24 01	04 00.9 -23 52	219.54	-47.37	F483	-41	53	205	217
3200	03 58.8 -31 18	04 00.8 -31 09	230.25	-48.77	F419	97	-69	67	95

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3151	R	I-II	52	15.0	15.4	15.9	1C,1A	Q		1	4	16.0
3152	RI	I-II	51	15.4	16.1	16.8	1O	Q		1	5	17.0
3153	I	I-II	64	15.9	16.1	16.8	1O			1	5	17.0
3154	I	II-III	48	15.1	16.1	16.1	1O			0	4	16.3
3155	I	I-II	33	15.4	16.8	18.1	1O			0	6	17.3
3156	I	III	77	18.1	18.3	18.6	1A			1	6	17.3
3157	R	I-II?	106	17.0	17.5	18.6	1A	Q	0.209	2	6	17.3
3158	R	I-II	85	13.7	14.7	15.6	1O	S	0.0590	2	4	15.8
3159	RI	I-II	98	15.4	16.4	16.9	1O			2	5	17.1
3160	I	III	59	17.5	17.8	18.7	1C			1	6	17.3
3161	I	II	36	14.7	16.0	16.2	1O			0	4	16.4
3162	I	II-III	77	17.1	17.6	18.8	1A			1	6	17.3
3163	RI	I-II	43		18.0	18.9	2O			0	6	17.3
3164	IR:	I-II	33	14.0	15.1	15.5	2O		0.0611	0	4	15.7
3165	I	III	31	16.6	16.6	17.2	1A	Q		0	5	17.2
3166	I	I	79	15.9	16.1	17.3	1O	Q		1	5	17.2
3167	I	I	51	17.2	18.8	19.2	1A			1	6	17.4
3168	I	II-III	(100)	18.4?	18.7:	19.3:	1C			2	6	17.4
3169	R	I-II	101	15.9	16.7	17.4	1O			2	5	17.2
3170	I	III	53	16.7	18.0	18.9	1O			1	6	17.3
3171	RI	I	65	15.9	16.7	17.5	1O			1	5	17.2
3172	R	III	90	16.7	17.0	18.2	1C			2	6	17.3
3173	I	II-III	35	15.3	16.0	16.8	1O			0	5	17.0
3174	I	II-III	68	16.6	17.7	18.6	1O			1	6	17.3
3175	RI	I-II	64	15.7	17.4	18.0	1O			1	6	17.3
3176	I	II-III	62	17.3	18.1	18.6	1A			1	6	17.3
3177	RI	II:	49	16.3	17.7	18.2	1C			0	6	17.3
3178	I	I-II	52	17.3	18.0	19.1	1O			1	6	17.4
3179	IR	III	41	16.8	17.3	18.0	1O	D		0	6	17.3
3180	RI	III	110	17.4	17.7	18.7	1C			2	6	17.3
3181	R	III	71	17.0	17.5	18.2	1A	Q		1	6	17.3
3182	I	II-III	52	16.5	16.9	17.3	1A	Q		1	5	17.2
3183	I	III	40	15.2	15.8	17.0	1A	Q		0	5	17.1
3184	RI	II-III	96	18.6:	19.1:	19.6	2C			2	6	17.4
3185	RI	II-III	80	18.1	18.3	19.3	1O			2	6	17.4
3186	IR	I-II	62	16.8	16.9	18.3	2O	BDQ		1	5	17.2
3187	R	III	57	17.4	17.9	18.8	1A			1	6	17.3
3188	I	III	67	14.8	14.9	17.0	1A			1	5	17.1
3189	RI	II:	65	17.6:	18.5	19.6	1C			1	6	17.4
3190	RI	II-III	85	16.9	18.3	19.4	1O			2	6	17.4
3191	RI:	II-III	33	15.8	16.8	17.2	2O	BD		0	5	17.2
3192	R	II	141	16.4	16.8	17.1	1A	Q		3	5	17.2
3193	RI	I	41	13.0	14.6	15.4	2O	D	0.0340	0	3	15.6
3194	I	III	83	15.1	15.4	16.5	1A	Q		2	5	16.7
3195	RI	III	30	15.0	15.4	16.6	1C			0	5	16.8
3196	I	II	41	15.8?	17.4	18.0	1O			0	6	17.3
3197	I?	II	62	16.5	16.8	17.5	1A			1	5	17.2
3198	I?	II	50	16.8	17.4	18.3	1A			1	6	17.3
3199	RI:	II-III	46	17.6	18.3	18.8	1C			0	6	17.3
3200	I?	III	91	16.4	17.0	17.5	1A	Q		2	5	17.2

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3201	03 59.0 -19 47	04 01.2 -19 38	213.66	-46.07	F549	99	12	65	176
3202	03 59.0 -53 48	04 00.2 -53 39	263.75	-46.52	F156	61	67	103	231
3203	03 59.7 -33 12	04 01.6 -33 03	233.14	-48.78	F359	-4	96	168	260
3204	03 59.9 -46 57	04 01.4 -46 48	253.90	-48.07	F250	-112	-105	276	59
3205	04 00.2 -26 57	04 02.3 -26 48	223.88	-47.75	F419	121	164	43	328
3206	04 00.4 -79 04	03 58.0 -78 55	293.20	-34.39	F015	-76	47	240	211
3207	04 00.8 -27 20	04 02.9 -27 11	224.48	-47.69	F419	127	143	37	307
3208	04 00.9 -27 20	04 03.0 -27 11	224.48	-47.67	F483	-17	-125	181	39
3209	04 01.5 -53 39	04 02.7 -53 30	263.38	-46.21	F156	82	74	82	238
3210	04 01.5 -56 26	04 02.6 -56 17	267.16	-45.33	F156	76	-75	88	89
3211	04 01.6 -27 12	04 03.7 -27 03	224.34	-47.49	F419	136	150	28	314
3212	04 02.0 -33 13	04 03.9 -33 04	233.24	-48.30	F359	21	95	143	259
3213	04 02.2 -27 10	04 04.3 -27 01	224.33	-47.36	F483	-1	-118	165	46
3214	04 03.1 -41 37	04 04.8 -41 28	245.86	-48.18	F302	89	-86	75	78
3215	04 03.2 -53 01	04 04.5 -52 52	262.40	-46.15	F201	23	-160	141	4
3216	04 03.7 -65 21	04 04.1 -65 12	278.28	-41.51	F084	-116	-22	280	142
3217	04 04.5 -30 41	04 06.5 -30 32	229.58	-47.48	F420	-101	-36	265	128
3218	04 05.6 -27 06	04 07.7 -26 58	224.47	-46.60	F483	39	-112	125	52
3219	04 05.6 -65 44	04 06.0 -65 36	278.62	-41.16	F084	-104	-40	268	124
3220	04 06.2 -78 49	04 03.9 -78 40	292.75	-34.32	F015	-62	62	226	226
3221	04 06.4 -27 26	04 08.5 -27 18	224.99	-46.50	F420	-80	139	244	303
3222	04 06.6 -27 39	04 08.6 -27 31	225.31	-46.50	F420	-79	126	243	290
3223	04 06.6 -30 57	04 08.6 -30 49	230.06	-47.07	F420	-76	-51	240	113
3224	04 07.2 -27 36	04 09.2 -27 28	225.28	-46.36	F420	-71	129	235	293
3225	04 08.4 -59 44	04 09.3 -59 36	271.04	-43.31	F118	-122	13	286	177
3226	04 09.6 -28 09	04 11.6 -28 01	226.21	-45.95	F420	-42	100	206	264
3227	04 09.6 -45 14	04 11.2 -45 06	251.03	-46.67	F250	-24	-12	188	152
3228	04 09.7 -48 59	04 11.1 -48 51	256.40	-46.09	F201	84	55	80	219
3229	04 10.5 -62 51	04 11.1 -62 43	274.83	-41.90	F118	-100	-154	264	10
3230	04 11.0 -63 49	04 11.6 -63 41	275.98	-41.46	F084	-80	64	244	228
3231	04 11.4 -64 44	04 11.9 -64 36	277.07	-41.05	F084	-75	14	239	178
3232	04 11.9 -35 28	04 13.8 -35 20	236.79	-46.45	F360	-134	-25	298	139
3233	04 12.0 -45 17	04 13.6 -45 09	251.03	-46.24	F250	-1	-14	165	150
3234	04 12.0 -46 01	04 13.5 -45 53	252.08	-46.16	F250	-2	-53	166	111
3235	04 12.6 -45 41	04 14.1 -45 33	251.59	-46.09	F250	1	-34	163	130
3236	04 12.7 -46 20	04 14.2 -46 12	252.51	-46.00	F250	5	-70	159	94
3237	04 14.5 -32 20	04 16.4 -32 12	232.38	-45.59	F360	-108	144	272	308
3238	04 15.3 -42 37	04 16.9 -42 29	247.13	-45.86	F250	32	128	132	292
3239	04 15.7 -39 04	04 17.5 -38 56	242.03	-45.85	F303	-46	53	210	217
3240	04 15.9 -45 20	04 17.5 -45 12	251.00	-45.55	F250	35	-17	129	147
3241	04 16.5 -64 55	04 16.9 -64 47	277.00	-40.48	F084	-51	4	215	168
3242	04 16.7 -63 43	04 17.2 -63 35	275.53	-40.92	F084	-52	70	216	234
3243	04 17.2 -42 32	04 18.8 -42 24	246.99	-45.51	F250	51	133	113	297
3244	04 17.8 -60 56	04 18.6 -60 48	272.01	-41.81	F118	-57	-51	221	113
3245	04 17.9 -45 12	04 19.5 -45 04	250.76	-45.21	F250	54	-10	110	154
3246	04 19.6 -46 03	04 21.1 -45 55	251.92	-44.84	F250	69	-56	95	108
3247	04 19.7 -46 36	04 21.2 -46 28	252.69	-44.77	F250	69	-85	95	79
3248	04 20.6 -65 10	04 21.0 -65 02	277.08	-39.98	F084	-23	-7	187	157
3249	04 20.7 -18 57	04 22.9 -18 50	214.97	-40.97	F551	-158	58	322	222
3250	04 20.8 -33 22	04 22.7 -33 15	234.07	-44.42	F360	-36	89	200	253

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3201	I	II-III	47	17.5	18.0	18.6	1O			0	6	17.3
3202	I	II	65:	15.3:	15.4:	15.6:	1O		0.0388	1	4	15.8
3203	I	III	80	17.4	17.7	18.8	1C			2	6	17.3
3204	I	II-III	32	16.2	16.8	17.7	1O			0	5	17.2
3205	I	II-III?	54	16.6	16.9	17.5	1A	Q		1	5	17.2
3206	IR	II	32	16.5	17.3	18.0	1O			0	5	17.2
3207	R	II-III	77	17.4	17.6	19.2	1A	Q	0.212	1	6	17.4
3208	RI	II-III	81	17.8	18.1	18.9	1C			2	6	17.3
3209	I	III	32	16.8	18.6	19.3	1O			0	6	17.4
3210	RI	I-II	61	16.7	17.3	18.4	1O			1	6	17.3
3211	R	III	37	18.0	18.3	18.8	1A			0	6	17.3
3212	RI	II-III	95	16.5	17.0	18.0	1C			2	6	17.3
3213	R	II-III	69?	18.3	18.8	19.2	1C,1A			1	6	17.4
3214	R	III	55	17.7	18.0	19.1	1C			1	6	17.4
3215	I	II-III	39	15.6	17.3	18.0	1O			0	6	17.3
3216	RI:	II-III	92	17.0	17.4	18.0	1C,1O	BD		2	6	17.3
3217	IR	III	54	17.3	18.0	18.8	1O			1	6	17.3
3218	R	II-III	60	18.0:	18.5:	19.4	1C			1	6	17.4
3219	R	II-III	62	17.4	17.9	18.7	1C,1O	D		1	6	17.3
3220	I	III	53	16.5	16.8	18.0	1O			1	5	17.2
3221	I	II-III	44	16.8	18.2	19.3	1O			0	6	17.4
3222	IR	II-III	102:	16.5?	18.5	19.4	1O,1C			2	6	17.4
3223	RI	I	100:	14.5	14.7	15.4	1O			2	3	15.6
3224	I	III	40	18.0	18.6	19.3	1O			0	6	17.4
3225	RI	II	37	13.5	14.7	15.6	1C,1O	D	0.0433	0	4	15.9
3226	I	III	64	16.8	17.4	18.1	1O			1	6	17.3
3227	IR	III	52	17.8	18.1	19.3	1O			1	6	17.4
3228	RI	I-II	60	15.4?	17.5	18.8	1O	D		1	6	17.3
3229	I	I-II	42?	14.0?	15.8?	16.8:	1C,1O			0	5	16.9
3230	RI	II	112	17.0?	17.6	18.0	1C	D		2	6	17.3
3231	R	II	65	16.2?	17.2	18.2	1C	D	(0.0570)	1	6	17.3
3232	RI	II	40	17.3	17.5	18.0	1O			0	6	17.3
3233	IR	III	70	17.5	18.2	19.4	1O			1	6	17.4
3234	I	II-III	31	15.1	16.5	17.3	1O			0	5	17.2
3235	I	II	69	16.9	17.5	18.4	1A	B		1	6	17.3
3236	R	II	64	16.9	18.3	18.8	1O,1A			1	6	17.3
3237	RI	II	69	16.4	17.5	18.7	1O			1	6	17.3
3238	I	II-III	43	15.9	17.2	18.2	1O			0	6	17.3
3239	IR?	II-III?	81	16.6:	17.4?	18.4	1C			2	6	17.3
3240	R	II-III?	71	17.6	18.0	18.8	1O,1A			1	6	17.3
3241	RI	I:	54	15.0?	16.2	17.7	1C	D		1	5	17.2
3242	I	II-III	49	15.2	16.2	17.8	1C			0	5	17.2
3243	I	III	67	17.7	18.0	18.7	1O			1	6	17.3
3244	R	II-III	34	17.1	17.5	18.0	1C			0	6	17.3
3245	IR?	II-III	64?	17.0	17.5:	18.2	1O,1A			1	6	17.3
3246	I	III	50:	17.3	17.5	18.0	1O			1	6	17.3
3247	I	II-III	52	16.4	16.8	17.7	1O			1	5	17.2
3248	I	III	67	17.5?	17.6?	18.1	1C			1	6	17.3
3249	I	III	38:	18.1	18.3	19.3	1O			0	6	17.4
3250	I	I-II	41	16.1	17.6	18.1	1O			0	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3251	04 22.1 -63 55	04 22.6 -63 48	275.49	-40.30	F084	-15	59	179	223
3252	04 22.2 -46 13	04 23.7 -46 06	252.10	-44.38	F250	93	-66	71	98
3253	04 23.6 -36 20	04 25.4 -36 13	238.28	-44.15	F360	-7	-70	171	94
3254	04 24.0 -46 51	04 25.5 -46 44	252.94	-44.01	F250	108	-99	56	65
3255	04 25.7 -46 31	04 27.2 -46 24	252.44	-43.75	F250	125	-83	39	81
3256	04 26.0 -36 11	04 27.8 -36 04	238.13	-43.66	F360	20	-62	144	102
3257	04 26.1 -34 08	04 28.0 -34 01	235.32	-43.42	F360	22	47	142	211
3258	04 26.2 -44 45	04 27.7 -44 38	249.99	-43.78	F250	132	12	32	176
3259	04 27.0 -38 13	04 28.8 -38 06	240.95	-43.61	F303	73	98	91	262
3260	04 28.2 -21 07	04 30.4 -21 00	218.43	-40.03	F551	-64	-58	228	106
3261	04 28.5 -60 26	04 29.3 -60 19	270.84	-40.72	F118	12	-23	152	141
3262	04 28.7 -37 18	04 30.5 -37 11	239.72	-43.21	F360	48	-123	116	41
3263	04 28.9 -38 11	04 30.7 -38 04	240.94	-43.24	F303	93	99	71	263
3264	04 30.1 -49 25	04 31.5 -49 18	256.30	-42.73	F202	-1	34	165	198
3265	04 30.4 -36 43	04 32.2 -36 36	238.97	-42.83	F360	67	-92	97	72
3266	04 30.5 -61 35	04 31.2 -61 28	272.19	-40.15	F118	24	-84	140	80
3267	04 31.0 -34 09	04 32.9 -34 02	235.52	-42.41	F360	76	45	88	209
3268	04 31.0 -35 41	04 32.8 -35 34	237.58	-42.60	F360	75	-37	89	127
3269	04 31.1 -32 41	04 33.0 -32 34	233.56	-42.18	F360	79	124	85	288
3270	04 31.5 -45 57	04 33.0 -45 50	251.57	-42.79	F251	-77	-49	241	115
3271	04 31.8 -49 39	04 33.1 -49 32	256.57	-42.43	F202	13	21	151	185
3272	04 31.8 -59 48	04 32.6 -59 41	269.88	-40.50	F118	34	10	130	174
3273	04 32.0 -36 07	04 33.8 -36 00	238.20	-42.45	F360	85	-60	79	104
3274	04 32.2 -35 29	04 34.0 -35 22	237.35	-42.34	F360	88	-26	76	138
3275	04 32.2 -35 49	04 34.0 -35 42	237.80	-42.37	F360	87	-44	77	120
3276	04 33.2 -34 03	04 35.1 -33 56	235.47	-41.95	F360	101	50	63	214
3277	04 33.9 -35 45	04 35.7 -35 38	237.76	-42.02	F360	106	-42	58	122
3278	04 34.8 -58 06	04 35.7 -57 59	267.59	-40.54	F118	58	100	106	264
3279	04 36.4 -46 10	04 37.9 -46 04	251.80	-41.93	F251	-31	-61	195	103
3280	04 36.5 -49 05	04 37.9 -48 59	255.71	-41.72	F202	55	50	109	214
3281	04 39.4 -38 24	04 41.1 -38 18	241.44	-41.20	F304	-72	88	236	252
3282	04 39.5 -45 17	04 41.0 -45 11	250.60	-41.41	F251	-2	-13	166	151
3283	04 39.7 -48 36	04 41.1 -48 30	255.01	-41.23	F202	84	76	80	240
3284	04 39.8 -45 09	04 41.3 -45 03	250.42	-41.36	F251	1	-6	163	158
3285	04 40.6 -37 27	04 42.4 -37 21	240.21	-40.87	F304	-59	138	223	302
3286	04 41.9 -24 48	04 44.0 -24 42	224.18	-38.13	F485	-53	13	217	177
3287	04 42.5 -61 48	04 43.1 -61 42	271.96	-38.72	F118	100	-101	64	63
3288	04 42.7 -18 07	04 44.9 -18 01	216.33	-35.80	F551	122	101	42	265
3289	04 43.1 -33 34	04 45.0 -33 28	235.25	-39.84	F361	-57	77	221	241
3290	04 45.9 -44 58	04 47.4 -44 52	250.17	-40.29	F251	58	3	106	167
3291	04 46.1 -39 53	04 47.8 -39 47	243.53	-40.03	F304	-2	8	166	172
3292	04 48.4 -44 46	04 49.9 -44 40	249.92	-39.84	F251	83	13	81	177
3293	04 51.0 -34 52	04 52.8 -34 47	237.25	-38.45	F361	31	7	133	171
3294	04 51.3 -62 49	04 51.8 -62 44	272.91	-37.49	F119	-80	-152	244	12
3295	04 51.6 -32 01	04 53.5 -31 56	233.72	-37.80	F361	40	160	124	324
3296	04 53.4 -36 18	04 55.2 -36 13	239.15	-38.19	F361	56	-70	108	94
3297	04 56.4 -30 13	04 58.3 -30 08	231.80	-36.41	F422	-34	-10	198	154
3298	04 57.4 -57 46	04 58.3 -57 41	266.47	-37.65	F119	-48	119	212	283
3299	04 57.7 -88 51	04 10.7 -88 44	301.86	-27.93	F001	-62	-14	226	150
3300	04 57.9 -24 44	04 60.0 -24 39	225.41	-34.63	F486	-125	14	289	178

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3251	I	II-III	74	17.4	17.9	18.4	1C	D		1	6	17.3
3252	RI?	II-III	80:	17.8:	18.2	18.7	1O,1A			2	6	17.3
3253	RI	II	70	15.4	16.6	17.8	1O			1	5	17.2
3254	RI	II:	44	16.8	17.6:	18.3:	2O	B		0	5	17.2
3255	R	II:	43:	17.3	17.8	18.2	1O,1A	B		0	6	17.3
3256	I	I-II	43	13.9	16.1	17.4	1O			0	5	17.2
3257	RI	I-II	94	16.1	17.5	18.0	1O			2	6	17.3
3258	IR	I-II	53	18.3:	19.0	19.4	1O,1A			1	6	17.4
3259	RI	III	130	16.2	16.8	17.9	1C			3	5	17.2
3260	I	III	42	16.4	18.0	19.1	1O			0	6	17.4
3261	I	III	86	17.7	18.1	18.9	1C			2	6	17.3
3262	RI	II	50	18.1	18.2	19.0	1O			1	6	17.3
3263	I	III	94	17.1	17.5	18.1	1C			2	6	17.3
3264	I	II	53	15.4	16.2	16.5	1O	B		1	5	16.7
3265	R	I	71	15.8	16.1	17.5	1O			1	5	17.2
3266	R	I-II	91	14.0?	14.8	15.3	1C	DS	0.0594	2	3	15.5
3267	I	I-II	81	15.3	17.4	18.4	1O			2	6	17.3
3268	IR	I-II	88:	14.9	16.6	17.3	1O			2	5	17.2
3269	RI:	II	36	15.1	15.9	16.6	2O			0	5	16.8
3270	RI	II-III	52	16.5	18.6	19.3	1O	B		1	6	17.4
3271	R:	I-II	74	16.4	17.3	18.0	1O			1	6	17.3
3272	R	II-III	65	17.4	17.6	18.6	1C	D		1	6	17.3
3273	I	II-III	35	15.7	16.2	18.0	1O			0	6	17.3
3274	I:	I-II	34	17.7	17.8	18.0	1O			0	6	17.3
3275	IR	II-III	41:	15.5	16.4	17.5	1O			0	5	17.2
3276	IR	I-II	70	16.0	17.5	18.2	1O			1	6	17.3
3277	I	II-III	58	16.8	17.8	18.3	2O			1	6	17.3
3278	RI	II-III?	68	16.5	17.1	17.8	1C	D		1	5	17.2
3279	I	II-III	40	15.6	16.2	17.7	1O			0	5	17.2
3280	I	III	64	15.8*	17.3	18.3	1O			1	6	17.3
3281	R	I-II	54	17.3	18.1	18.8	1O			1	6	17.3
3282	RI	I-II	56	16.6	17.1	18.3	1O	B		1	6	17.3
3283	RI	III	41	17.5?	18.3	19.1	1O			0	6	17.4
3284	R	I	64	15.7	18.1	19.1	1O			1	6	17.4
3285	I	II-III	30	15.4	16.9	17.6	1O	B		0	5	17.2
3286	I	II-III:	63	17.0	17.6	18.9	1C			1	5	17.2
3287	I	III:	74	17.5	17.8	19.0	2C			1	6	17.3
3288	I	III	48	15.9	16.9	18.0	1O			0	5	17.2
3289	R	I	41	15.1	16.5	17.6	1O			0	5	17.2
3290	I	II-III	40	16.6	17.4	18.1	1O			0	6	17.3
3291	RI	II-III	47	17.6	17.8	18.5	1O			0	6	17.3
3292	RI	I-II	67	16.8	17.4	18.7	1O			1	6	17.3
3293	RI	I-II	42	18.1	18.4	19.3	1O			0	6	17.3
3294	I:	III:	63	17.1:	17.5	18.0	2C	BD		1	5	17.2
3295	I	I	54	15.1	16.8	17.5	1O			1	5	17.1
3296	RI	I-II	61	16.1	16.8	17.8	1O			1	5	17.1
3297	I	III	112	15.8	16.2	17.1	1C			2	5	17.1
3298	IR:	III	58	18.1	18.3	19.2	2C	D		1	6	17.3
3299	I	II	39	15.9	17.1	18.0	1O			0	5	17.2
3300	RI:	II-III:	55	17.6:	18.0	18.8	2C			1	5	17.2

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3301	04 59.1 -38 45	05 00.8 -38 40	242.42	-37.41	F304	135	65	29	229
3302	04 59.4 -49 07	05 00.7 -49 02	255.52	-37.98	F203	-7	48	171	212
3303	04 59.8 -51 21	05 01.0 -51 16	258.34	-37.86	F203	-4	-71	168	93
3304	04 59.9 -35 55	05 01.7 -35 50	238.94	-36.83	F361	126	-51	38	113
3305	05 00.2 -39 17	05 01.9 -39 12	243.12	-37.26	F305	-123	38	287	202
3306	05 01.2 -49 36	05 02.5 -49 31	256.12	-37.68	F203	7	21	157	185
3307	05 01.8 -29 40	05 03.7 -29 35	231.48	-35.14	F422	29	18	135	182
3308	05 01.9 -29 17	05 03.9 -29 12	231.04	-35.03	F422	31	39	133	203
3309	05 02.0 -34 01	05 03.8 -33 56	236.71	-36.06	F361	153	49	11	213
3310	05 02.6 -33 18	05 04.5 -33 13	235.88	-35.80	F362	-107	90	271	254
3311	05 02.9 -49 33	05 04.2 -49 28	256.06	-37.40	F203	22	24	142	188
3312	05 03.0 -57 00	05 03.9 -56 55	265.40	-36.99	F158	42	-109	122	55
3313	05 03.4 -32 25	05 05.3 -32 20	234.86	-35.45	F362	-101	138	265	302
3314	05 04.3 -45 33	05 05.8 -45 29	251.04	-37.07	F252	-39	-28	203	136
3315	05 05.5 -29 42	05 07.4 -29 38	231.77	-34.37	F422	72	15	92	179
3316	05 05.5 -47 49	05 06.9 -47 45	253.89	-36.95	F203	48	116	116	280
3317	05 06.0 -49 11	05 07.3 -49 07	255.60	-36.90	F203	50	43	114	207
3318	05 06.7 -28 29	05 08.7 -28 25	230.43	-33.80	F422	87	81	77	245
3319	05 07.0 -25 06	05 09.1 -25 02	226.57	-32.77	F486	-13	-5	177	159
3320	05 07.1 -56 34	05 08.0 -56 30	264.80	-36.47	F158	73	-86	91	78
3321	05 08.1 -36 12	05 09.9 -36 08	239.64	-35.25	F362	-45	-64	209	100
3322	05 09.1 -45 23	05 10.6 -45 19	250.90	-36.22	F252	6	-19	158	145
3323	05 09.4 -29 03	05 11.4 -28 59	231.27	-33.38	F423	-149	51	313	215
3324	05 10.2 -44 16	05 11.7 -44 12	249.54	-35.94	F252	17	41	147	205
3325	05 11.5 -30 09	05 13.4 -30 05	232.69	-33.23	F423	-123	-8	287	156
3326	05 11.5 -49 45	05 12.8 -49 41	256.32	-36.01	F203	97	11	67	175
3327	05 12.2 -39 13	05 13.9 -39 09	243.44	-34.95	F305	1	43	163	207
3328	05 12.3 -42 22	05 13.9 -42 18	247.26	-35.36	F252	39	143	125	307
3329	05 13.2 -44 47	05 14.7 -44 43	250.23	-35.45	F252	46	13	118	177
3330	05 13.4 -49 07	05 14.7 -49 03	255.55	-35.69	F203	115	45	49	209
3331	05 14.0 -50 24	05 15.2 -50 20	257.13	-35.63	F204	-138	-24	302	140
3332	05 15.0 -42 16	05 16.6 -42 12	247.21	-34.86	F305	29	-120	135	44
3333	05 16.0 -86 46	04 59.5 -86 42	299.62	-28.64	F004	16	-95	148	69
3334	05 17.2 -58 36	05 18.0 -58 32	267.17	-34.97	F119	91	73	73	237
3335	05 19.9 -31 03	05 21.8 -31 00	234.27	-31.71	F423	-26	-54	190	110
3336	05 19.9 -40 52	05 21.5 -40 49	245.69	-33.75	F305	79	-46	85	118
3337	05 20.8 -49 14	05 22.1 -49 11	255.76	-34.48	F204	-82	42	246	206
3338	05 21.3 -48 19	05 22.6 -48 16	254.66	-34.34	F204	-79	90	243	254
3339	05 22.8 -27 03	05 24.8 -27 00	230.00	-29.98	F487	-90	-109	254	55
3340	05 23.5 -30 57	05 25.4 -30 54	234.39	-30.94	F423	15	-49	149	115
3341	05 23.7 -31 38	05 25.6 -31 35	235.18	-31.08	F423	17	-86	147	78
3342	05 24.0 -30 38	05 25.9 -30 35	234.07	-30.75	F423	21	-32	143	132
3343	05 24.5 -47 15	05 25.9 -47 12	253.43	-33.72	F253	-107	-124	271	40
3344	05 24.6 -30 32	05 26.5 -30 29	234.00	-30.60	F423	28	-27	136	137
3345	05 25.7 -47 52	05 27.0 -47 49	254.19	-33.57	F204	-40	116	204	280
3346	05 25.9 -47 24	05 27.3 -47 21	253.64	-33.50	F253	-93	-129	257	35
3347	05 26.2 -47 11	05 27.6 -47 08	253.39	-33.43	F204	-37	152	201	316
3348	05 26.8 -47 40	05 28.2 -47 37	253.97	-33.37	F204	-31	126	195	290
3349	05 28.2 -47 26	05 29.6 -47 23	253.72	-33.11	F253	-72	-130	236	34
3350	05 29.4 -49 58	05 30.6 -49 55	256.76	-33.14	F204	-6	3	170	167

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3301	R	I	172	13.0	14.1	15.4	2O			3	3	15.5
3302	R	III	55	19.0	19.1	19.5	1C			1	6	17.3
3303	R	II-III	77	16.0?	16.6	17.6	1C			1	5	17.1
3304	R	II-III	70	17.0	17.8	18.8	1O,1C			1	5	17.2
3305	IR	I-II	85	16.8	17.5	18.9	2O			2	5	17.2
3306	RI	II-III?	108	17.0	17.4	18.0	1C			2	5	17.2
3307	R	I	63	15.0	16.5	17.8	1C			1	5	17.1
3308	I	III	65	18.1	18.5	19.5	1C			1	6	17.3
3309	I	I-II	46	16.7	18.1	18.4	1O			0	5	17.2
3310	I	III	71	17.7	18.1	18.9	1C			1	5	17.2
3311	RI	II-III	49	17.4	17.9	18.5	1C			0	5	17.2
3312	IR:	III	118	15.8:	16.3:	17.1:	2C	D		2	5	17.0
3313	R	II-III	64	17.3	17.6	18.1	2C			1	5	17.2
3314	IR	II-III	52:	17.0:	18.0	18.7	1O			1	5	17.2
3315	RI	I-II	40	17.6	18.4	19.4	1C			0	6	17.3
3316	IR	I-II?	63	17.0?	18.1	18.8	1C			1	5	17.2
3317	IR	III	49	17.2	17.5	18.2	1C			0	5	17.2
3318	RI:	II-III	74	17.6	17.9	18.6	1C			1	5	17.2
3319	I	III	55	17.6	17.7	18.6	1C			1	5	17.2
3320	RI	III	40	18.8	19.0	19.6	1C			0	6	17.3
3321	R	III	74	18.8	19.3	19.6	1C			1	6	17.3
3322	R	I	75	15.6	18.0	18.9	1O			1	5	17.2
3323	R	I	42	13.6	15.4	16.1	1O			0	4	16.2
3324	I	I-II	37	15.9	17.5	18.6	1O			0	5	17.2
3325	IR	II	32	15.4	16.7	17.7	1O			0	5	17.1
3326	IR	II:	65	17.6	18.0	19.2	1C			1	6	17.3
3327	RI	I-II	41	16.0	16.5	18.1	1O			0	5	17.2
3328	I	II	62	15.9	17.5	18.5	1O	Q		1	5	17.2
3329	R:	I	58	15.9	17.5	18.6	1O			1	5	17.2
3330	R	II	52:	14.8	15.8	17.0	1C,1O		0.0903	1	5	17.0
3331	I	II	35	16.2	16.5	17.7	1O			0	5	17.1
3332	R	I	45	14.9	16.5:	17.4:	2O	Q		0	5	17.0
3333	IR	II	32	17.3	18.2	19.4	1O			0	6	17.3
3334	R	I-II	82	15.1	16.2	16.9	1C	D	0.0953	2	5	17.0
3335	RI	II	59	17.3	17.8	18.4	1O			1	5	17.2
3336	R	I	33	14.5	15.4	16.6	1O			0	5	16.7
3337	I	III	30	16.1*	18.5	19.1	1O			0	6	17.3
3338	IR	II-III	31	15.9	16.9	17.3	1O		(0.0446)	0	5	17.1
3339	R	III	55	18.8	19.2	19.6	1C			1	6	17.3
3340	R:	I-II	87	16.0	17.3	18.4	1O			2	5	17.2
3341	RI	II	87	13.1	14.1	14.6	1O			2	2	14.7
3342	R	I-II	85	17.1	17.3	18.9	1O			2	5	17.2
3343	RI	I-II	64	17.0	17.8	18.2	1C,2O			1	5	17.2
3344	R	I	69	16.7	17.4	19.0	1O			1	5	17.2
3345	IR	II	40	17.6	18.7	19.3	1O,1C			0	6	17.3
3346	RI	I-II	86:	17.3	17.8	19.0	1C,1O			2	5	17.2
3347	RI	I-II	112	16.6	17.9	18.2	1O			2	5	17.2
3348	RI	I-II	74	16.1	17.3	18.4	1O			1	5	17.2
3349	IR?	II	81:	16.2:	17.3	17.8	1C,1O			2	5	17.1
3350	I	III	30	16.8	17.5	17.9	1O			0	5	17.1

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3351	05 30.1 -38 24	05 31.8 -38 21	243.23	-31.38	F306	-83	87	247	251
3352	05 30.9 -47 36	05 32.3 -47 33	253.98	-32.68	F204	6	131	158	295
3353	05 31.5 -29 01	05 33.4 -28 58	232.82	-28.74	F423	110	53	54	217
3354	05 32.7 -28 32	05 34.7 -28 30	232.38	-28.34	F423	125	80	39	244
3355	05 32.9 -32 20	05 34.8 -32 18	236.55	-29.38	F363	-35	143	199	307
3356	05 33.3 -38 10	05 35.0 -38 08	243.12	-30.72	F306	-49	99	213	263
3357	05 34.3 -36 55	05 36.0 -36 53	241.75	-30.25	F306	-39	167	203	331
3358	05 36.1 -20 39	05 38.2 -20 37	224.36	-24.97	F554	-3	-34	167	130
3359	05 36.1 -45 20	05 37.5 -45 18	251.46	-31.50	F253	0	-18	164	146
3360	05 38.8 -43 25	05 40.3 -43 23	249.34	-30.71	F253	26	86	138	250
3361	05 39.6 -48 11	05 40.9 -48 09	254.87	-31.30	F204	84	98	80	262
3362	05 40.4 -61 44	05 40.9 -61 42	270.78	-31.96	F120	-14	-91	178	73
3363	05 43.8 -47 58	05 45.1 -47 56	254.73	-30.57	F204	122	108	42	272
3364	05 45.7 -31 54	05 47.6 -31 53	236.95	-26.66	F424	5	-100	159	64
3365	05 46.1 -21 57	05 48.2 -21 56	226.62	-23.28	F554	116	-104	48	60
3366	05 46.5 -41 16	05 48.1 -41 15	247.23	-28.90	F306	84	-68	80	96
3367	05 47.3 -24 29	05 49.4 -24 28	229.31	-23.93	F488	-61	30	225	194
3368	05 48.4 -22 33	05 50.5 -22 32	227.44	-23.00	F488	-47	133	211	297
3369	05 49.7 -29 04	05 51.6 -29 03	234.25	-24.97	F424	53	52	111	216
3370	05 53.0 -32 20	05 54.9 -32 19	237.92	-25.32	F364	-80	145	244	309
3371	05 54.0 -18 19	05 56.2 -18 18	223.76	-20.18	F555	-40	92	204	256
3372	05 54.0 -34 48	05 55.8 -34 47	240.60	-25.84	F364	-68	13	232	177
3373	05 54.4 -18 09	05 56.6 -18 08	223.64	-20.03	F555	-35	101	199	265
3374	05 54.8 -21 16	05 56.9 -21 15	226.75	-21.15	F555	-30	-65	194	99
3375	05 58.7 -18 58	06 00.9 -18 57	224.87	-19.41	F555	19	57	145	221
3376	05 59.1 -40 03	06 00.7 -40 02	246.53	-26.29	F307	-50	-1	214	163
3377	05 59.6 -20 45	06 01.7 -20 45	226.70	-19.91	F555	31	-38	133	126
3378	06 04.1 -35 18	06 05.9 -35 18	241.80	-24.02	F364	43	-14	121	150
3379	06 04.6 -42 17	06 06.1 -42 17	249.23	-25.85	F254	5	147	159	311
3380	06 05.7 -49 29	06 07.0 -49 29	257.13	-27.27	F205	48	28	116	192
3381	06 08.1 -33 35	06 09.9 -33 35	240.30	-22.70	F364	88	77	76	241
3382	06 08.4 -37 47	06 10.1 -37 47	244.67	-23.93	F307	50	119	114	283
3383	06 08.5 -18 54	06 10.7 -18 54	225.78	-17.26	F556	-124	60	288	224
3384	06 12.1 -17 57	06 14.3 -17 57	225.23	-16.09	F556	-77	113	241	277
3385	06 16.6 -52 00	06 17.7 -52 01	260.27	-26.08	F206	-112	-108	276	56
3386	06 20.3 -42 37	06 21.8 -42 38	250.44	-23.15	F255	-114	128	278	292
3387	06 20.7 -25 36	06 22.7 -25 37	233.39	-17.31	F489	79	-32	85	132
3388	06 21.3 -43 10	06 22.8 -43 11	251.07	-23.14	F255	-105	97	269	261
3389	06 21.6 -64 56	06 21.8 -64 57	274.70	-27.50	F087	-86	3	250	167
3390	06 23.3 -37 19	06 25.0 -37 20	245.19	-20.98	F365	-9	-124	173	40
3391	06 25.2 -53 39	06 26.3 -53 40	262.37	-25.16	F161	-87	70	251	234
3392	06 25.3 -35 27	06 27.1 -35 28	243.45	-19.97	F365	12	-24	152	140
3393	06 25.3 -62 52	06 25.7 -62 53	272.45	-26.83	F087	-68	115	232	279
3394	06 25.8 -22 12	06 27.9 -22 13	230.62	-14.89	F556	94	-116	70	48
3395	06 26.5 -54 22	06 27.5 -54 23	263.18	-25.13	F161	-76	29	240	193
3396	06 27.3 -41 42	06 28.9 -41 44	249.91	-21.64	F308	-31	-90	195	74
3397	06 28.5 -52 12	06 29.6 -52 14	260.94	-24.35	F206	-14	-118	178	46
3398	06 35.1 -62 35	06 35.5 -62 37	272.35	-25.68	F087	-9	132	173	296
3399	06 36.0 -48 27	06 37.3 -48 29	257.35	-22.20	F206	52	83	112	247
3400	06 39.4 -46 00	06 40.8 -46 02	255.02	-20.91	F255	67	-54	97	110

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3351	IR	II-III	114	15.3	15.8	16.1	1O			2	4	16.2
3352	RI	II-III	83	16.9	17.9	18.9	1O,1C			2	5	17.2
3353	RI	I-II	39	17.4	18.4	19.2	2O			0	6	17.3
3354	RI:	II	54:	12.5	14.1:	15.3	2O			1	3	15.3
3355	RI	III	46	17.8	18.0	18.8	1O			0	5	17.2
3356	I	II	30	14.7	15.2	15.9	1O			0	4	16.0
3357	I	III	49	18.0	18.6	19.4	1O			0	6	17.3
3358	RI	II	86	15.1	16.1	17.2	1O			2	5	17.0
3359	I	III:	78	16.5?	17.0	17.6	1C			1	5	17.1
3360	RI	III	85	15.8	16.2	16.7	1C			2	5	16.8
3361	RI	I-II	48	16.3	16.8	17.6	1O			0	5	17.1
3362	RI	I-II	30	15.4	16.1	17.1	1O	BD		0	5	17.1
3363	R	I	139	15.9:	16.8:	17.7	2O,1C			3	5	17.1
3364	RI?	II	75	16.1:	17.3	18.4	2O			1	5	17.2
3365	IR	II	68	15.5	16.0	16.6	3O			1	5	16.6
3366	I	II-III	40	16.0	17.8	19.2	1O			0	6	17.3
3367	I	I-II	33	14.4	14.7	15.6	1O			0	3	15.6
3368	RI	I-II	32	15.1	15.6	16.1	1O			0	4	16.1
3369	I	II-III	68	16.9	17.6	19.3	1O			1	5	17.2
3370	I	I	49	15.6	16.7	16.9	1O			0	5	16.9
3371	I	III	123	18.6	18.9	19.2	1O			2	5	17.2
3372	IR	I-II	35	14.4	15.7	16.2	1O			0	4	16.3
3373	RI	III	151	18.1	18.7	19.3	1O			3	5	17.2
3374	I	II	34	13.5	14.6	16.1	1O			0	4	16.1
3375	IR	II-III	145	18.1	18.8	19.3	1O			3	5	17.2
3376	RI	I	42	13.0	15.0	15.3	1O	d	0.0455	0	3	15.4
3377	R:	I-II	140	17.2	18.0	19.3	1O			3	5	17.2
3378	R	I	78	16.8	18.0	18.9	1O			1	5	17.1
3379	IR	II	115	15.1	15.9	16.3	1O			2	4	16.4
3380	IR	I-II	40	13.2	14.4	15.6	1O		0.0567	0	4	15.7
3381	RI	I	69	13.7	14.4	14.7	1O	d	0.0282	1	2	14.7
3382	R	III	51	14.5*	16.8	18.6	1O			1	5	17.1
3383	IR	III	82	16.7	17.5	18.2:	1C,1O			2	5	16.9
3384	IR	I	43	18.4:	18.8	19.3	1O,1C			0	5	17.1
3385	IR	II:	46	15.8	16.5	17.4	3O			0	5	17.1
3386	I	II-III	74	17.9:	18.3	19.3	1C			1	5	17.2
3387	I	III	72	17.1	18.0	19.1	1O			1	5	17.1
3388	I	III:	44	18.1	18.3	19.5	1C			0	5	17.2
3389	R	II-III	35	13.0	13.4:	14.5:	1C	dOQ	0.0248	0	2	14.6
3390	IR	II	63	13.8	14.6	14.7	1O,1O			1	2	14.7
3391	R	I	40	13.0?	15.0?	16.1	1C	DO	0.0531	0	4	16.1
3392	RI	I	77	14.6	15.3	15.5	1O	s		1	3	15.5
3393	I	III	55	17.9	18.5	19.3	1C			1	6	17.3
3394	IR	III	60	18.1	18.4:	19.0	2O,2C			1	5	17.0
3395	R	II	54	14.0?	15.2	15.9	1C	BDO	0.0498	1	4	15.9
3396	RI	I-II	62	15.4*	18.0	18.6	1O			1	5	17.1
3397	RI:	I-II	45	15.4	15.6	16.9	1O,1C			0	5	16.8
3398	I	II	58	17.2	17.9	19.2	1C			1	5	17.2
3399	I	III	33	16.6	18.1	18.6	1O			0	5	17.1
3400	RI	I?	59	17.0?	17.8	18.6	1C			1	5	17.1

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3401	06 40.3 -63 25	06 40.7 -63 27	273.38	-25.25	F087	24	89	140	253
3402	06 40.4 -49 44	06 41.7 -49 46	258.90	-21.88	F206	89	13	75	177
3403	06 40.6 -49 57	06 41.9 -49 59	259.13	-21.91	F206	90	1	74	165
3404	06 44.5 -54 09	06 45.5 -54 12	263.67	-22.53	F161	64	43	100	207
3405	06 47.1 -74 38	06 45.7 -74 41	285.79	-26.47	F034	39	20	125	184
3406	06 57.0 -49 08	06 58.3 -49 12	259.21	-19.13	F207	-27	48	191	212
3407	07 03.7 -49 00	07 05.0 -49 04	259.49	-18.06	F207	31	54	133	218
3408	07 07.2 -49 08	07 08.5 -49 12	259.84	-17.57	F207	62	46	102	210
3409	08 22.0 -17 27	08 24.3 -17 36	239.64	11.32	F562	-27	137	191	301
3410	08 36.1 -17 46	08 38.4 -17 56	241.86	13.91	F563	-115	120	279	284
3411	08 39.5 -17 18	08 41.8 -17 28	241.95	14.84	F563	-72	146	236	310
3412	08 39.8 -17 25	08 42.1 -17 35	242.09	14.83	F563	-68	140	232	304
3413	08 46.6 -18 53	08 48.9 -19 04	244.30	15.27	F563	18	60	146	224
3414	09 02.4 -19 09	09 04.7 -19 20	246.91	18.07	F564	-46	46	210	210
3415	09 09.6 -20 59	09 11.9 -21 11	249.53	18.21	F564	44	-53	120	111
3416	09 13.3 -20 32	09 15.6 -20 44	249.76	19.16	F564	90	-29	74	135
3417	09 17.0 -20 45	09 19.3 -20 57	250.53	19.67	F565	-131	-39	295	125
3418	09 19.5 -21 41	09 21.8 -21 53	251.68	19.49	F565	-96	-88	260	76
3419	09 26.2 -22 31	09 28.5 -22 44	253.45	20.07	F498	-74	135	238	299
3420	09 29.9 -24 40	09 32.2 -24 53	255.72	19.21	F498	-27	20	191	184
3421	09 36.3 -29 04	09 38.5 -29 17	260.05	17.09	F434	14	53	150	217
3422	09 38.0 -27 29	09 40.2 -27 42	259.18	18.49	F434	33	135	131	299
3423	09 38.8 -27 51	09 41.0 -28 04	259.59	18.35	F434	43	116	121	280
3424	09 40.1 -27 17	09 42.3 -27 30	259.39	18.96	F434	60	146	104	310
3425	09 41.1 -23 28	09 43.4 -23 41	256.74	21.86	F499	-160	81	324	245
3426	09 41.7 -30 36	09 43.9 -30 49	262.04	16.77	F434	75	-31	89	133
3427	09 48.4 -22 25	09 50.7 -22 39	257.26	23.79	F499	-71	138	235	302
3428	09 50.7 -33 30	09 52.9 -33 44	265.53	15.86	F374	-106	80	270	244
3429	09 57.1 -24 44	09 59.4 -24 58	260.58	23.42	F499	36	15	128	179
3430	09 58.0 -22 25	10 00.3 -22 39	259.06	25.29	F499	48	138	116	302
3431	09 58.5 -24 03	10 00.8 -24 17	260.34	24.14	F499	53	51	111	215
3432	09 59.2 -32 48	10 01.4 -33 02	266.50	17.54	F374	-11	119	175	283
3433	10 00.2 -31 02	10 02.4 -31 16	265.50	19.04	F435	23	-56	141	108
3434	10 01.3 -35 01	10 03.5 -35 15	268.29	16.08	F374	12	-1	152	163
3435	10 02.5 -31 21	10 04.7 -31 35	266.11	19.11	F435	49	-71	115	93
3436	10 03.0 -31 30	10 05.2 -31 44	266.30	19.06	F435	56	-80	108	84
3437	10 09.6 -29 44	10 11.9 -29 58	266.33	21.32	F436	-135	14	299	178
3438	10 12.4 -28 19	10 14.7 -28 33	265.92	22.82	F436	-102	94	266	258
3439	10 13.5 -27 11	10 15.8 -27 25	265.38	23.87	F500	-31	-116	195	48
3440	10 13.5 -29 06	10 15.8 -29 20	266.64	22.34	F436	-88	49	252	213
3441	10 15.7 -21 20	10 18.1 -21 35	261.78	28.77	F567	80	-71	84	93
3442	10 16.7 -25 54	10 19.0 -26 09	265.15	25.32	F500	9	-47	155	117
3443	10 18.9 -33 28	10 21.1 -33 43	270.39	19.49	F375	-60	87	224	251
3444	10 21.5 -27 00	10 23.8 -27 15	266.83	25.08	F500	66	-107	98	57
3445	10 22.1 -29 32	10 24.4 -29 47	268.56	23.10	F436	10	27	154	191
3446	10 24.8 -37 55	10 27.0 -38 10	274.05	16.47	F375	5	-152	159	12
3447	10 24.9 -38 07	10 27.1 -38 22	274.18	16.31	F375	7	-162	157	2
3448	10 26.8 -33 37	10 29.1 -33 52	271.93	20.29	F375	28	78	136	242
3449	10 26.8 -33 53	10 29.1 -34 08	272.09	20.07	F375	28	64	136	228
3450	10 30.5 -33 20	10 32.8 -33 35	272.46	20.95	F375	69	89	95	253

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3401	R	II-III	50	17.4	18.0	19.2	1C			1	5	17.2
3402	IR	I-II	45	16.5	18.0	18.8	1O			0	5	17.1
3403	RI	I-II	49	15.6	16.7	17.6	2O			0	5	17.0
3404	RI	I-II	64	14.4?	15.9:	17.1	1C			1	5	17.0
3405	I	III	35	16.8	17.5	18.2	1O			0	5	17.2
3406	IR	II-III	42	15.7*	17.8	18.3	1O			0	5	17.0
3407	RI	I	57:	13.6	14.8	15.4	1O			1	3	15.3
3408	RI	I-II	41	13.3	15.0	15.6	1O			0	3	15.5
3409	I	III	39	16.0	16.6	17.8	1O			0	5	16.9
3410	I	II-III	50	18.1	18.5	19.3	1C			1	6	17.3
3411	R:	II	55	17.7	18.7	19.3	1C			1	6	17.3
3412	R:	II-III	70	17.9	18.4	19.3	1C			1	6	17.3
3413	R	III	30	18.1	18.5	19.4	1C			0	6	17.3
3414	I	III	57:	17.1:	17.6	19.0	1O			1	6	17.3
3415	IR	II-III	111	16.7	17.8	18.6	1O			2	6	17.3
3416	I	II	125	17.4	17.6	18.7	1O			2	6	17.3
3417	RI?	II	76?	16.9	17.8	18.6	1C,1O			1	6	17.3
3418	R	I-II:	47	16.3?	17.3	18.1	1C			0	6	17.3
3419	I	III:	94	18.5	18.6	19.3	2C			2	6	17.4
3420	RI	II-III	50	14.8	15.6	16.1	1C			1	4	16.3
3421	I	III	53	17.9	18.2	18.9	1C			1	6	17.3
3422	RI:	II	60	17.9?	18.4?	19.1	1C			1	6	17.4
3423	I	II-III	74	17.5	18.0	18.9	1O			1	6	17.3
3424	RI:	II-III	94	17.8	18.2	19.1	1O,1C			2	6	17.4
3425	RI	I-II	73	17.0	18.3	19.1	1O			1	6	17.5
3426	I	III	80	17.4	18.0	19.2	1O			2	6	17.4
3427	RI	I-II	110	18.6	18.8	19.3	1O			2	6	17.5
3428	RI	I	46	13.4	16.1	17.3	1O			0	5	17.1
3429	R	I	35	14.5	15.2	16.6	1O			0	5	16.9
3430	IR	II-III	56	15.3?	16.5	18.6	1O			1	6	17.4
3431	I	I-II	152	16.8	17.8	18.1	1O			3	6	17.4
3432	RI	I	56	15.3	16.1	17.3	1O			1	5	17.2
3433	RI	III	105	16.5?	17.0	17.9	1C			2	5	17.2
3434	I	III	55	16.8	17.6	18.9	1O			1	5	17.2
3435	R	III	169	17.7	18.0	18.6	1C			3	6	17.3
3436	I	III	88	16.0	16.4	17.4	1C			2	5	17.2
3437	I	III	115	18.4	18.8	19.5	2C			2	6	17.5
3438	R	II-III	111	18.6	18.8	19.4	1C			2	6	17.5
3439	I	III:	56	17.4	17.8	19.1	1C			1	6	17.5
3440	I	II-III	155	18.0	18.6	19.2	1C	B		3	6	17.5
3441	I	II-III	45	16.5	17.0	17.9	1C			0	6	17.4
3442	RI	II-III	59	17.5	17.9	18.6	1C			1	6	17.4
3443	I	II	109	15.0	15.8	16.4	1O			2	5	16.6
3444	RI	II-III	57	18.1	18.6	19.5:	2C			1	6	17.5
3445	I	II-III	81	17.5	18.7	19.4	1C			2	6	17.5
3446	IR	III	64	17.7	18.1	19.1	1O			1	6	17.4
3447	RI	II-III	63	17.7	18.1	19.2	1O,1C			1	6	17.4
3448	I:	II-III	58	16.1	17.4	17.8	1O			1	5	17.2
3449	I	III	43	17.6	18.6	19.4	1O			0	6	17.4
3450	I:	II-III	51:	16.5:	17.6	19.3	1C,1O			1	6	17.5

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3451	10 31.1 -31 34	10 33.4 -31 49	271.54	22.50	F436	114	-83	50	81
3452	10 45.2 -29 21	10 47.6 -29 36	273.09	25.98	F437	12	36	152	200
3453	10 46.8 -36 19	10 49.1 -36 34	277.15	20.09	F376	-15	-70	179	94
3454	10 47.4 -81 35	10 47.6 -81 50	298.48	-20.07	F019	30	-84	134	80
3455	10 50.1 -33 57	10 52.4 -34 12	276.57	22.49	F376	22	57	142	221
3456	10 51.3 -32 08	10 53.7 -32 23	275.87	24.21	F376	38	153	126	317
3457	10 52.2 -23 23	10 54.6 -23 39	271.17	31.92	F502	-99	88	263	252
3458	10 56.9 -27 34	10 59.3 -27 50	274.63	28.80	F438	-134	129	298	293
3459	10 57.7 -30 41	11 00.0 -30 57	276.45	26.13	F438	-109	-37	273	127
3460	10 59.8 -27 02	11 02.2 -27 18	274.99	29.58	F438	-88	159	252	323
3461	11 01.9 -33 00	11 04.3 -33 16	278.48	24.46	F438	-59	-160	223	4
3462	11 02.6 -28 14	11 05.0 -28 30	276.25	28.80	F438	-54	96	218	260
3463	11 04.2 -43 55	11 06.5 -44 11	283.81	14.75	F265	-77	59	241	223
3464	11 05.2 -27 02	11 07.6 -27 18	276.22	30.13	F438	-26	62	190	226
3465	11 05.6 -19 24	11 08.1 -19 40	272.05	36.92	F570	-82	32	246	196
3466	11 05.9 -30 35	11 08.3 -30 51	278.16	27.01	F438	-15	-29	179	135
3467	11 06.2 -31 00	11 08.6 -31 16	278.43	26.66	F438	-12	-51	176	113
3468	11 07.6 -32 05	11 10.0 -32 21	279.25	25.81	F377	-54	158	218	322
3469	11 08.1 -31 58	11 10.5 -32 14	279.30	25.96	F377	-48	164	212	328
3470	11 08.7 -18 31	11 11.2 -18 47	272.32	38.05	F570	-45	81	209	245
3471	11 08.8 -29 53	11 11.2 -30 09	278.46	27.91	F438	18	8	146	172
3472	11 13.3 -29 55	11 15.7 -30 11	279.48	28.29	F438	68	5	96	169
3473	11 13.4 -43 28	11 15.8 -43 44	285.21	15.81	F265	11	84	153	248
3474	11 13.8 -43 06	11 16.2 -43 22	285.14	16.18	F265	15	103	149	267
3475	11 14.4 -43 43	11 16.8 -43 59	285.48	15.65	F265	21	70	143	234
3476	11 15.1 -32 50	11 17.5 -33 06	281.19	25.77	F377	32	118	132	282
3477	11 16.0 -19 37	11 18.5 -19 53	274.91	37.87	F570	48	21	116	185
3478	11 16.0 -25 05	11 18.5 -25 21	277.80	32.94	F503	-75	-3	239	161
3479	11 16.5 -27 09	11 19.0 -27 25	278.92	31.10	F503	-67	-114	231	50
3480	11 18.6 -30 56	11 21.0 -31 12	281.13	27.81	F438	129	-49	35	115
3481	11 19.0 -31 54	11 21.4 -32 10	281.63	26.95	F439	-128	-103	292	61
3482	11 20.4 -32 42	11 22.8 -32 58	282.28	26.32	F377	91	124	73	288
3483	11 21.5 -20 39	11 24.0 -20 55	276.94	37.49	F570	117	-35	47	129
3484	11 24.0 -22 08	11 26.5 -22 24	278.36	36.38	F503	23	155	141	319
3485	11 24.7 -31 12	11 27.2 -31 28	282.61	28.05	F439	-63	-65	227	99
3486	11 26.5 -36 17	11 28.9 -36 33	284.98	23.42	F378	-106	-69	270	95
3487	11 29.5 -30 55	11 32.0 -31 11	283.59	28.68	F439	-8	-49	172	115
3488	11 38.2 -27 29	11 40.7 -27 45	284.35	32.54	F504	-73	-130	237	34
3489	11 38.4 -30 57	11 40.9 -31 13	285.67	29.27	F439	95	-53	69	111
3490	11 42.8 -34 10	11 45.3 -34 26	287.74	26.47	F378	73	45	91	209
3491	11 46.6 -36 15	11 49.1 -36 31	289.20	24.68	F378	112	-68	52	96
3492	11 53.8 -33 14	11 56.3 -33 30	289.95	27.97	F379	-74	96	238	260
3493	11 54.5 -22 40	11 57.1 -22 56	286.94	38.23	F504	127	127	37	291
3494	11 54.6 -31 53	11 57.1 -32 09	289.77	29.32	F440	16	-100	148	64
3495	11 56.3 -28 45	11 58.9 -29 01	289.31	32.45	F440	36	68	128	232
3496	11 57.3 -22 46	11 59.9 -23 02	287.77	38.30	F505	-110	121	274	285
3497	11 57.5 -31 07	12 00.0 -31 23	290.26	30.21	F440	50	-59	114	105
3498	11 59.3 -28 24	12 01.9 -28 40	289.97	32.94	F440	72	86	92	250
3499	12 00.3 -27 37	12 02.9 -27 53	290.02	33.76	F440	85	128	79	292
3500	12 00.4 -29 52	12 03.0 -30 08	290.64	31.57	F440	83	8	81	172

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3451	I	III	72	18.7	19.2	19.6	1C			1	6	17.5
3452	I	II-III	35	16.8	17.5	18.0	1O			0	6	17.4
3453	I	III	38	17.3	18.3	18.9	1O			0	6	17.3
3454	I:	II-III	52	16.8	18.0	18.7	1O			1	5	17.1
3455	RI	I-II	30	15.4	16.8	17.4	1O			0	6	17.3
3456	RI	I-II	45	16.1	17.3	18.0	1O	B		0	6	17.4
3457	R	I-II	48	18.0	18.6	19.3	1O			0	6	17.6
3458	I	II	90	17.5	17.9	18.9	1C			2	6	17.5
3459	I	I?	42	16.2	17.9	19.0	1C			0	6	17.4
3460	I	II-III	41	17.4	17.6	18.8	1C			0	6	17.5
3461	I	III	57	17.3	17.7	18.7	1C			1	6	17.4
3462	I	I	97	17.1	17.9	18.5	1C			2	6	17.5
3463	I	II-III	38	16.3*	18.4	19.4	1O			0	6	17.3
3464	I	III	48	17.6	18.0	19.0	1C			0	6	17.5
3465	I	III	60	18.1	18.4	18.9	1C			1	6	17.5
3466	R	I	30	15.9	17.0	17.6	1C			0	6	17.3
3467	I	III	73	17.5	17.8	18.7	1C			1	6	17.4
3468	I	III	67:	17.5:	17.6:	18.9:	1O			1	6	17.4
3469	I	III	63	17.0	17.7	19.2	1O,1C			1	6	17.5
3470	I	III?	65	18.2	18.6	19.3	1C			1	6	17.6
3471	I	II-III	103	17.6	17.8	18.8	1C			2	6	17.4
3472	I	I-II	77	16.9	17.3	19.0	1C			1	6	17.4
3473	I	II-III	52:	16.7	17.7	18.0	1O			1	5	17.2
3474	I	II	48	15.7	16.4	17.0	1O			0	5	17.1
3475	I	II-III	64	16.3	16.8	18.0	1O			1	5	17.2
3476	I	II-III	42	16.0	16.9	17.7	1O			0	6	17.3
3477	I	II:	65	16.6:	17.6	18.4	1C			1	6	17.5
3478	IR	II	32	16.0	16.8	18.1	1O			0	6	17.5
3479	R	II	54:	17.9	18.6	19.6	1O,1C			1	6	17.6
3480	I:	I-II	62	16.6:	17.6	19.0	1C			1	6	17.4
3481	RI:	I-II	61:	16.7:	17.0:	18.5	2O,1C	B		1	6	17.4
3482	RI	I-II	33	16.1	16.6	18.0	1O			0	6	17.4
3483	R	III	70	18.0	18.2	19.0	2C			1	6	17.5
3484	IR	I-II	63	16.6	17.4	18.9	1O			1	6	17.5
3485	RI	II-III	43	18.0	18.8	19.5	1O			0	6	17.5
3486	I	II-III	54	17.3	18.1	18.7	1O			1	6	17.4
3487	I:	II-III	45	16.8	17.4	18.5	1O			0	6	17.5
3488	R	I	41	15.4	17.2	17.5	1O			0	6	17.4
3489	I	II-III	34	15.5	16.2	17.3	1O	B		0	6	17.4
3490	R	I	91	15.1	16.0	16.4	1O			2	5	16.7
3491	I	II	42	16.6	17.3	18.4	1O			0	6	17.4
3492	RI	I-II	31	14.3:	16.0	17.3	1O			0	6	17.3
3493	I	I-II	59	16.9	17.4	18.4	1O			1	6	17.5
3494	IR	I-II	40	15.9	16.8	17.7	1O			0	6	17.4
3495	IR	III	79:	16.4	16.8	17.5	1O			1	6	17.4
3496	I	III	49:	17.4:	17.9	18.8	1O,1C			0	6	17.5
3497	RI	I-II	40	14.7	15.3	16.0	1O			0	4	16.4
3498	I	III	66	16.6	16.8	17.5	1O			1	6	17.4
3499	R	II-III	104	16.8	17.3	18.0	1O			2	6	17.5
3500	RI	I-II	36:	14.5	15.4	16.7	1O			0	5	17.1

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3501	12 00.9 -28 21	12 03.5 -28 37	290.37	33.07	F440	91	89	73	253
3502	12 01.6 -27 58	12 04.2 -28 14	290.45	33.48	F440	100	109	64	273
3503	12 01.6 -28 54	12 04.2 -29 10	290.69	32.57	F440	99	59	65	223
3504	12 06.0 -33 00	12 08.6 -33 16	292.73	28.74	F379	63	108	101	272
3505	12 06.1 -34 10	12 08.7 -34 26	293.00	27.60	F379	63	46	101	210
3506	12 10.3 -28 23	12 12.9 -28 39	292.80	33.45	F441	-71	88	235	252
3507	12 10.4 -25 48	12 13.0 -26 04	292.26	35.99	F505	50	-40	114	124
3508	12 13.2 -32 44	12 15.8 -33 00	294.38	29.27	F441	-36	-145	200	19
3509	12 13.7 -32 59	12 16.3 -33 15	294.54	29.04	F379	150	106	14	270
3510	12 15.7 -30 09	12 18.3 -30 25	294.53	31.90	F441	-8	-6	172	158
3511	12 17.1 -43 22	12 19.7 -43 38	296.89	18.85	F267	84	87	80	251
3512	12 19.1 -21 18	12 21.7 -21 34	293.80	40.77	F573	51	-69	113	95
3513	12 19.8 -42 46	12 22.5 -43 02	297.33	19.51	F267	111	119	53	283
3514	12 20.2 -25 15	12 22.8 -25 31	294.86	36.90	F506	-96	-12	260	152
3515	12 21.0 -44 16	12 23.7 -44 32	297.74	18.05	F268	-145	39	309	203
3516	12 21.8 -25 30	12 24.4 -25 46	295.35	36.70	F506	-77	-26	241	138
3517	12 29.2 -17 34	12 31.8 -17 50	296.35	44.78	F574	-89	131	253	295
3518	12 29.7 -19 00	12 32.3 -19 16	296.73	43.37	F574	-82	54	246	218
3519	12 30.0 -38 07	12 32.7 -38 23	298.91	24.33	F322	-46	102	210	266
3520	12 32.2 -24 16	12 34.8 -24 32	298.14	38.17	F506	50	41	114	205
3521	12 33.9 -17 18	12 36.5 -17 34	297.89	45.15	F574	-29	146	193	310
3522	12 36.4 -19 13	12 39.0 -19 29	298.92	43.28	F574	3	43	161	207
3523	12 36.6 -17 16	12 39.2 -17 32	298.80	45.23	F574	5	147	159	311
3524	12 37.4 -33 57	12 40.1 -34 13	300.27	28.59	F381	-120	55	284	219
3525	12 45.1 -21 15	12 47.7 -21 31	301.80	41.34	F574	111	-67	53	97
3526	12 46.1 -41 02	12 48.9 -41 18	302.42	21.56	F323	-142	-58	306	106
3527	12 47.2 -36 29	12 49.9 -36 45	302.60	26.12	F381	-11	-79	175	85
3528	12 51.6 -28 45	12 54.3 -29 01	303.69	33.85	F443	-124	67	288	231
3529	12 52.7 -17 53	12 55.3 -18 09	304.25	44.71	F575	-57	116	221	280
3530	12 52.9 -30 05	12 55.6 -30 21	304.01	32.51	F443	-108	-4	272	160
3531	12 54.4 -32 39	12 57.1 -32 55	304.32	29.94	F381	71	125	93	289
3532	12 54.6 -30 06	12 57.3 -30 22	304.44	32.48	F443	-88	-5	252	159
3533	12 55.0 -21 09	12 57.7 -21 25	304.87	41.43	F575	-27	-60	191	104
3534	12 55.1 -18 41	12 57.8 -18 57	305.01	43.89	F575	-26	72	190	236
3535	12 55.1 -28 13	12 57.8 -28 29	304.64	34.36	F443	-83	97	247	261
3536	12 57.5 -18 28	13 00.2 -18 44	305.81	44.09	F575	4	84	160	248
3537	12 58.3 -32 10	13 01.0 -32 26	305.29	30.39	F382	-159	152	323	316
3538	12 58.4 -21 21	13 01.1 -21 37	305.92	41.20	F575	14	-71	150	93
3539	13 00.4 -17 31	13 03.1 -17 47	306.85	45.00	F575	41	135	123	299
3540	13 00.5 -33 00	13 03.3 -33 16	305.78	29.54	F443	32	-161	132	3
3541	13 01.0 -23 59	13 03.7 -24 15	306.51	38.54	F508	-135	54	299	218
3542	13 05.9 -34 18	13 08.7 -34 33	306.97	28.17	F382	-71	40	235	204
3543	13 06.7 -23 15	13 09.4 -23 30	308.25	39.17	F508	-66	95	230	259
3544	13 08.3 -32 44	13 11.1 -32 59	307.68	29.69	F382	-45	124	209	288
3545	13 08.6 -33 49	13 11.4 -34 04	307.64	28.61	F382	-42	66	206	230
3546	13 10.3 -29 43	13 13.1 -29 58	308.50	32.66	F444	-171	13	335	177
3547	13 10.5 -37 04	13 13.3 -37 19	307.75	25.34	F323	111	155	53	319
3548	13 10.6 -43 49	13 13.5 -44 04	307.12	18.61	F269	60	65	104	229
3549	13 11.6 -29 11	13 14.4 -29 26	308.90	33.16	F444	-157	42	321	206
3550	13 14.8 -22 00	13 17.5 -22 15	310.85	40.21	F576	-41	-107	205	57

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3501	IR	II-III	42	15.5	16.1	16.8	1O			0	5	17.2
3502	R	I-II	77	17.7	17.9	18.5:	2O			1	6	17.5
3503	IR	II-III	72:	16.8	17.5	18.5	1O			1	6	17.5
3504	RI	I-II	35	16.5	16.8	18.1	1O			0	6	17.5
3505	RI	I-II	53	14.7	15.4	16.0	1O			1	4	16.3
3506	I	I-II	46	16.0	17.4	18.0	1O			0	6	17.5
3507	R	I	75:	15.4	16.0	17.4	1O			1	6	17.4
3508	I	II	35	16.0	16.8	17.7	1O			0	6	17.4
3509	IR	II	43	15.0:	15.8	16.5	2O	BQ		0	5	16.9
3510	I	I-II	41	16.6	17.4	18.1	1O	Q		0	6	17.5
3511	RI	I-II	47	17.6	18.1	18.9	1O			0	6	17.3
3512	R	II-III?	56	17.7	18.1	19.6	1C			1	6	17.6
3513	I	II-III?	40	16.9?	18.1:	18.8	3O,1C			0	6	17.3
3514	I	III	59	16.7	16.9	18.1	1O			1	6	17.5
3515	IR	III	32	16.1	16.7	17.2	1O			0	5	17.2
3516	I	II-III	35	16.1	17.3	18.0	1O			0	6	17.5
3517	I	III	57	16.9	17.4	18.5	1O			1	6	17.5
3518	I	III	49	16.8	17.3	18.5	1O			0	6	17.5
3519	IR	III	49	17.9	18.3	19.0	1C			0	6	17.4
3520	IR	II-III	77	17.0	17.3	18.0	1C			1	6	17.5
3521	I	III	39	18.0	18.1	19.0	1O			0	6	17.5
3522	IR	II-III	32	16.6	18.0	18.5	1O			0	6	17.5
3523	I	III	41	15.9	18.0	18.9	1O			0	6	17.5
3524	RI:	I	36	15.0	16.2	17.0	2O			0	5	17.2
3525	R	II-III	32	16.7	18.0	19.2	2O			0	6	17.6
3526	RI:	I-II:	33	10.5	11.6	12.9	2C	DdK	0.0110	0	0	13.2
3527	R	I	43	18.0	18.8	19.4	1O			0	6	17.5
3528	R	II	70	13.6:	14.6	15.9	2C	BKO	0.0553	1	4	16.3
3529	IR	II-III	43	16.1	16.8	18.0	1O			0	6	17.5
3530	R	I-II	34	13.6:	14.6	15.6	2C			0	4	16.0
3531	I	II	34	15.0	16.0	16.7	1O			0	5	17.1
3532	R	II-III	36	14.4?	14.8	15.8	1C	BK		0	4	16.2
3533	I	II-III	44	16.1	18.1	19.1	1O			0	6	17.6
3534	I	II-III	31	16.4	16.8	18.0	1O			0	6	17.5
3535	R	III	30	15.1?	15.6	16.2	1C	B		0	5	16.6
3536	I	II:	40	17.1	18.6	19.0	2O			0	6	17.6
3537	I	I-II	35	11.7	13.1	13.9	1O		0.0167	0	2	14.3
3538	I	II-III	89	16.9	17.2	18.7	1O			2	6	17.5
3539	IR	I-II	32	15.4	17.3	18.0	1O			0	6	17.5
3540	I	II-III	34	16.6	17.3	18.5	1C			0	6	17.5
3541	IR	II-III	50	15.4	16.5	18.0	1O			1	6	17.5
3542	RI	I	45	13.8	15.6	16.1	1O			0	4	16.4
3543	I	III	47	16.8	17.3	18.6	1O			0	6	17.5
3544	RI	I-II	54	16.7	18.1	19.1	1O			1	6	17.6
3545	RI	I-II	39	15.9	17.3	18.0	1O		(0.0385)	0	6	17.5
3546	RI	I	39:	15.7	16.5	17.6	1O	B		0	6	17.4
3547	R?	II?	(50)	18.0	18.5?	19.5	1C			1	6	17.5
3548	RI	II	39	14.9	15.6	16.5	1O			0	5	16.7
3549	I	I-II	65	15.4	15.9	16.7	1O	B		1	5	17.1
3550	I	II-III	52	15.9	16.1	18.6	1O			1	6	17.5

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3551	13 15.4 -30 40	13 18.2 -30 55	309.67	31.59	F444	-111	-37	275	127
3552	13 16.1 -31 33	13 18.9 -31 48	309.72	30.70	F444	-102	-84	266	80
3553	13 16.4 -36 55	13 19.2 -37 10	309.07	25.36	F382	43	-100	121	64
3554	13 16.7 -33 13	13 19.5 -33 28	309.63	29.03	F382	49	98	115	262
3555	13 18.0 -28 43	13 20.8 -28 58	310.63	33.45	F444	-83	69	247	233
3556	13 21.3 -31 24	13 24.1 -31 39	311.02	30.70	F444	-43	-75	207	89
3557	13 22.1 -28 37	13 24.9 -28 52	311.71	33.42	F444	-34	74	198	238
3558	13 25.1 -31 14	13 27.9 -31 29	311.99	30.74	F444	1	-66	163	98
3559	13 27.1 -29 16	13 29.9 -29 31	312.87	32.60	F444	24	40	140	204
3560	13 29.0 -32 58	13 31.8 -33 13	312.59	28.89	F383	-83	110	247	274
3561	13 30.3 -42 36	13 33.3 -42 51	311.05	19.36	F270	-20	131	184	295
3562	13 30.7 -31 25	13 33.5 -31 40	313.32	30.35	F444	65	-76	99	88
3563	13 30.7 -42 18	13 33.7 -42 33	311.18	19.64	F270	-16	147	180	311
3564	13 31.5 -34 58	13 34.4 -35 13	312.76	26.83	F383	-54	4	218	168
3565	13 33.8 -33 43	13 36.7 -33 58	313.55	27.97	F383	-29	71	193	235
3566	13 36.1 -35 18	13 39.0 -35 33	313.72	26.32	F383	-4	-14	168	150
3567	13 36.9 -36 12	13 39.8 -36 27	313.69	25.41	F383	5	-62	159	102
3568	13 38.3 -34 23	13 41.2 -34 38	314.42	27.12	F383	21	36	143	200
3569	13 39.8 -35 30	13 42.7 -35 45	314.49	25.97	F383	37	-24	127	140
3570	13 43.9 -37 40	13 46.8 -37 54	314.84	23.67	F325	-91	127	255	291
3571	13 44.6 -32 37	13 47.5 -32 51	316.33	28.55	F383	92	129	72	293
3572	13 45.3 -33 08	13 48.2 -33 22	316.34	28.01	F383	100	101	64	265
3573	13 45.5 -34 26	13 48.4 -34 40	316.03	26.74	F383	100	32	64	196
3574	13 46.3 -30 03	13 49.2 -30 17	317.47	30.94	F445	-24	-1	188	163
3575	13 49.7 -32 38	13 52.6 -32 52	317.50	28.26	F383	150	127	14	291
3576	13 49.9 -30 03	13 52.8 -30 17	318.34	30.73	F445	19	-1	145	163
3577	13 51.5 -27 36	13 54.3 -27 50	319.54	32.99	F510	-57	-138	221	26
3578	13 54.7 -24 29	13 57.5 -24 43	321.49	35.75	F510	-18	29	182	193
3579	13 54.9 -22 45	13 57.7 -22 59	322.22	37.38	F510	-15	122	179	286
3580	14 00.1 -23 29	14 02.9 -23 43	323.34	36.30	F510	49	82	115	246
3581	14 04.6 -26 47	14 07.5 -27 01	323.14	32.85	F510	101	-95	63	69
3582	14 05.7 -18 40	14 08.5 -18 54	327.10	40.33	F578	71	72	93	236
3583	14 07.6 -22 04	14 10.4 -22 18	325.98	37.01	F578	92	-110	72	54
3584	14 08.1 -19 44	14 10.9 -19 58	327.24	39.12	F578	101	14	63	178
3585	14 11.3 -22 46	14 14.1 -22 59	326.63	36.04	F511	-85	119	249	283
3586	14 11.5 -23 45	14 14.3 -23 58	326.22	35.11	F511	-82	67	246	231
3587	14 11.9 -29 42	14 14.8 -29 55	323.70	29.56	F446	6	16	158	180
3588	14 11.9 -33 39	14 14.9 -33 52	322.12	25.86	F385	-139	71	303	235
3589	14 12.5 -46 29	14 15.7 -46 42	317.64	13.74	F271	111	-78	53	86
3590	14 14.9 -32 22	14 17.9 -32 35	323.28	26.84	F446	39	-127	125	37
3591	14 15.1 -24 40	14 18.0 -24 53	326.71	33.95	F511	-38	18	202	182
3592	14 15.8 -22 03	14 18.6 -22 16	328.17	36.28	F511	-30	158	194	322
3593	14 16.4 -19 15	14 19.2 -19 28	329.80	38.77	F579	-60	41	224	205
3594	14 17.6 -17 31	14 20.4 -17 44	331.10	40.21	F579	-45	134	209	298
3595	14 18.0 -86 42	14 32.4 -86 55	304.38	-24.34	F009	-109	-125	273	39
3596	14 22.4 -19 31	14 25.2 -19 44	331.27	37.92	F579	15	27	149	191
3597	14 24.0 -18 54	14 26.8 -19 07	332.05	38.30	F579	36	59	128	223
3598	14 24.6 -17 29	14 27.4 -17 42	333.06	39.49	F579	45	135	119	299
3599	14 24.9 -23 20	14 27.7 -23 33	329.84	34.24	F511	83	89	81	253
3600	14 26.1 -27 40	14 29.0 -27 53	327.93	30.21	F447	-95	125	259	289

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3551	R	I-II	126	16.7	16.8	17.2	1O	B		2	6	17.4
3552	R	I	60	14.5	16.0	17.3	1O			1	6	17.4
3553	I	I-II	36	14.6	15.3	15.9	1O			0	4	16.2
3554	RI	I-II	59	14.6	15.2	16.0	1O		(0.0153)	1	4	16.4
3555	I	II	61	15.3	15.4	16.0	1O	B		1	4	16.4
3556	R:	I	49	12.9	13.8	16.0	1O			0	4	16.4
3557	RI	I-II	36	15.1	15.9	16.1	1O	B		0	5	16.5
3558	R	I	226	12.6	13.8	14.7	1O	B	0.0482	4	3	15.1
3559	R	I	141	13.1	14.5	15.3	1O		0.0471	3	4	15.7
3560	R	I	184	11.2	13.4	14.7	2O		(0.0109)	3	3	15.1
3561	IR	II	36:	15.0	15.4	16.1	1O			0	4	16.3
3562	IR	I	129:	13.6	14.5	15.1	1O		0.0499	2	3	15.5
3563	RI:	II-III:	33	15.7	15.8	16.8	2O	B		0	5	16.9
3564	IR	II	53	12.4	14.6	15.3	1O	B		1	3	15.6
3565	IR	I	64	9.8	12.1	13.7	1O		0.0109	1	1	14.0
3566	RI	II	100	14.2	14.5	15.5	1O			2	4	15.8
3567	I	I-II	50	15.4	16.7	17.6	1O			1	6	17.3
3568	I	II-III	64	17.8	18.0	19.1	1O			1	6	17.5
3569	RI	I-II	72	15.3	16.1	17.5	1O			1	6	17.3
3570	R	I-II	31	13.6	14.4	15.5:	2O	B	0.0372	0	4	15.8
3571	R	I	126:	12.3:	14.9:	15.4	2O	BQ		2	4	15.8
3572	RI	I-II	49:	13.4	14.9	15.4	1O			0	4	15.7
3573	R	I	75	15.4	17.5	18.3	1O			1	6	17.4
3574	RI	I	31	11.4	11.8	13.0	1O	BKQ	0.0141	0	1	13.4
3575	RI	II	49?	14.5	14.8	15.5	1O			0	4	15.8
3576	R	I	110	15.6	17.8	18.0	1O	Q		2	6	17.5
3577	R	II	103	14.6	15.1	15.4	2O	BQ		2	4	15.8
3578	I	I-II	52:	13.7:	14.1	14.7	1O			1	3	15.1
3579	IR	II	43:	17.1	17.5	18.4	1O			0	6	17.5
3580	RI	I	50	15.4	17.3	18.4	1O			1	6	17.5
3581	RI	I	42	12.4:	13.5	15.2:	2O			0	3	15.6
3582	IR	II-III	72	17.0	17.7	18.1	1O			1	6	17.5
3583	I	II-III	48	16.5	16.8	17.4	1O	Q		0	6	17.4
3584	RI	II-III	59	15.8	16.7	17.6	1O			1	6	17.4
3585	I	III	57	17.4	18.1	19.1	1O			1	6	17.6
3586	I	III	68	16.8	17.5	18.8	1O			1	6	17.5
3587	I:	II-III:	80	18.3	19.1	19.6	1C			2	6	17.6
3588	I	II	40	17.3	17.5	17.8	1O			0	6	17.3
3589	IR	III?	41	17.7?	18.1	19.1	1C			0	6	17.3
3590	I	III:	85	16.7?	17.0?	17.7	1C			2	6	17.3
3591	IR	II	70	17.5	18.0	19.1	1O			1	6	17.6
3592	I	II-III	31	18.0	18.6	19.3	1O			0	6	17.6
3593	IR	II	32	14.0	15.0	16.0	1O	Q	0.1196	0	4	16.4
3594	I	III	82	18.1	18.7	19.6	1O	Q		2	6	17.6
3595	R	II-III	99	17.2	17.4	18.8	1A			2	5	17.1
3596	I:	II	64	15.1	16.0	17.0	1O	Q		1	6	17.4
3597	RI	II-III	46	15.5	16.0	16.8	1O	Q		0	5	17.2
3598	I	III	121	17.5	18.0	19.2	1O			2	6	17.6
3599	I	I-II	58	14.8?	17.4	18.0	1O			1	6	17.5
3600	I	III	31	17.6	18.7	19.6	1C			0	6	17.6

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3601	14 28.8 -21 17	14 31.6 -21 30	331.94	35.66	F579	95	-69	69	95
3602	14 29.5 -44 07	14 32.7 -44 20	321.39	14.88	F272	14	49	150	213
3603	14 30.3 -31 35	14 33.3 -31 48	326.98	26.27	F447	-42	-86	206	78
3604	14 30.6 -28 12	14 33.5 -28 25	328.70	29.30	F447	-41	95	205	259
3605	14 32.1 -28 07	14 35.0 -28 20	329.08	29.23	F447	-26	101	190	265
3606	14 33.2 -28 05	14 36.1 -28 18	329.34	29.15	F447	-13	103	177	267
3607	14 36.9 -24 25	14 39.8 -24 37	332.16	32.02	F512	-41	34	205	198
3608	14 39.5 -30 45	14 42.5 -30 57	329.36	26.15	F447	60	-40	104	124
3609	14 45.4 -27 38	14 48.4 -27 50	332.30	28.28	F448	-141	127	305	291
3610	14 45.7 -21 13	14 48.6 -21 25	336.15	33.79	F580	44	-65	120	99
3611	14 46.3 -20 41	14 49.1 -20 53	336.63	34.17	F580	51	-37	113	127
3612	14 51.8 -27 52	14 54.8 -28 04	333.55	27.37	F448	-64	115	228	279
3613	14 51.8 -30 25	14 54.8 -30 37	332.12	25.17	F448	-62	-21	226	143
3614	14 55.2 -29 49	14 58.2 -30 00	333.15	25.32	F448	-23	11	187	175
3615	14 55.7 -80 22	15 02.9 -80 33	308.34	-19.10	F022	-12	-18	176	146
3616	15 06.3 -28 32	15 09.3 -28 43	336.18	25.11	F448	107	80	57	244
3617	15 12.3 -19 43	15 15.2 -19 54	343.26	31.49	F582	-150	14	314	178
3618	15 17.1 -28 23	15 20.1 -28 33	338.41	23.88	F449	-39	88	203	252
3619	15 21.1 -32 14	15 24.2 -32 24	336.75	20.25	F449	8	-118	156	46
3620	15 23.8 -18 30	15 26.7 -18 40	346.62	30.73	F582	-5	81	169	245
3621	15 25.7 -24 42	15 28.7 -24 52	342.55	25.66	F514	19	18	145	182
3622	15 28.9 -18 36	15 31.8 -18 46	347.61	29.87	F582	59	76	105	240
3623	15 35.1 -23 45	15 38.1 -23 54	345.05	25.03	F515	-133	69	297	233
3624	15 46.0 -83 21	15 56.7 -83 29	308.03	-22.55	F009	-100	74	264	238
3625	15 53.4 -86 40	16 13.0 -86 48	305.66	-25.06	F009	-42	-95	206	69
3626	16 09.9 -83 40	16 21.6 -83 47	308.30	-23.25	F009	-61	65	225	229
3627	16 11.2 -60 47	16 15.5 -60 54	325.34	-7.26	F137	-115	-46	279	118
3628	16 24.6 -75 04	16 31.0 -75 10	315.66	-18.05	F043	-20	-3	184	161
3629	16 28.9 -82 22	16 39.2 -82 28	309.79	-22.86	F009	-41	139	205	303
3630	16 33.0 -75 54	16 39.7 -75 59	315.34	-18.99	F043	9	-48	155	116
3631	18 26.0 -78 50	18 34.1 -78 47	315.36	-25.74	F024	63	61	101	225
3632	18 36.0 -46 22	18 39.7 -46 19	349.21	-17.36	F281	-41	-72	205	92
3633	18 49.8 -44 56	18 53.4 -44 52	351.53	-19.10	F281	86	3	78	167
3634	18 54.9 -55 00	18 59.0 -54 55	341.52	-22.96	F183	97	-1	67	163
3635	18 55.2 -42 16	18 58.7 -42 11	354.53	-19.10	F282	-131	145	295	309
3636	18 57.3 -45 10	19 00.9 -45 05	351.76	-20.43	F282	-104	-9	268	155
3637	19 10.8 -73 48	19 17.0 -73 42	321.30	-27.74	F045	102	61	62	225
3638	19 22.0 -43 03	19 25.5 -42 57	355.36	-24.03	F283	-140	102	304	266
3639	19 24.2 -51 03	19 28.0 -50 56	346.88	-26.31	F232	-49	-55	213	109
3640	19 26.7 -79 41	19 34.9 -79 34	314.62	-28.61	F025	-11	19	175	183
3641	19 30.6 -43 01	19 34.1 -42 54	355.85	-25.54	F283	-56	107	220	271
3642	19 32.0 -61 44	19 36.5 -61 37	335.12	-28.93	F142	-40	-89	204	75
3643	19 38.3 -53 24	19 42.2 -53 16	344.69	-28.85	F185	-80	85	244	249
3644	19 38.3 -80 06	19 46.6 -79 58	314.09	-29.07	F025	17	-4	147	160
3645	19 39.7 -57 04	19 43.8 -56 56	340.55	-29.48	F185	-62	-111	226	53
3646	19 40.2 -40 39	19 43.6 -40 31	358.90	-26.68	F339	-159	-37	323	127
3647	19 40.3 -57 11	19 44.4 -57 03	340.42	-29.57	F185	-58	-117	222	47
3648	19 40.4 -45 36	19 44.0 -45 28	353.49	-27.84	F283	39	-31	125	133
3649	19 46.7 -27 40	19 49.8 -27 32	13.10	-24.18	F461	-113	127	277	291
3650	19 46.7 -86 57	20 07.1 -86 48	306.36	-28.12	F011	-75	-123	239	41

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3601	I	II	58	16.6	17.8	18.4	1O			1	6	17.5
3602	I	II-III	65	17.4?	17.7?	18.4	1C			1	5	17.2
3603	R:	II-III	39	14.1	14.2	15.9	1C	O		0	4	16.2
3604	I	III	85	17.5:	17.8	18.9	1C			2	6	17.5
3605	RI:	I	34?	14.3?	15.6	17.3	1C,1O			0	6	17.4
3606	I:	II	129	16.8	17.2	17.8	1C			2	6	17.4
3607	RI	III	48	16.4	18.3	19.3	1O			0	6	17.6
3608	R:	II	41	15.5	16.1	17.5	1C			0	6	17.3
3609	I	II	150	17.8	18.7	19.6	1C			3	6	17.5
3610	R	I-II	75	16.7	18.7	19.3	1O			1	6	17.6
3611	R	II-III	96	17.5	18.6	19.3	1O			2	6	17.6
3612	R	II	73	16.5	16.8	17.6	1C			1	6	17.3
3613	I	II-III	38	15.7	16.7	17.5	1C			0	6	17.3
3614	I	II:	45	16.6	17.2	17.6	1C			0	6	17.3
3615	I	I-II	36	15.9	17.3	18.2	1O			0	5	17.0
3616	R	II-III	141	17.9	18.6	19.5	1C			3	6	17.5
3617	I	III	43	18.0	18.1	18.7	1O			0	6	17.5
3618	RI	I	61	17.7	18.6	19.3	1O			1	6	17.5
3619	I	I-II	39	16.7	18.0	19.4	1O	B		0	6	17.4
3620	RI	II-III	68	17.6	18.6	19.3	1O			1	6	17.6
3621	I	II-III	34	17.2	18.4	18.7	1O			0	6	17.4
3622	I	III	102	15.6	17.4	19.3	1O			2	6	17.6
3623	IR	II-III	39:	15.8*	18.5	19.2	1O			0	6	17.5
3624	RI:	II-III	38:	15.6:	16.1:	17.0	1O,1A			0	5	16.8
3625	IR	II-III	55	16.7	17.4	18.0	1O	B		1	5	17.1
3626	I	I	33	15.3	15.9	17.7	1O			0	5	17.0
3627	I	I	59?	12.4	13.1	14.2:	1C,1O		0.0143	1	1	13.5
3628	I	II	57*	15.6	16.7	18.0	1O			1	5	17.0
3629	IR	I	32	16.1	17.6	18.0	1O	D	0.0854	0	5	17.1
3630	IR	I-II	30·	15.7	17.1	17.5	1O			0	5	16.9
3631	I	II	36	15.4	16.5	17.9	2O			0	5	17.1
3632	R:	II:	49	16.9	17.6	18.8	1C			0	5	17.0
3633	I	II:	64	16.9:	17.8:	18.4:	1C			1	5	17.1
3634	RI	I-II	38	18.1	18.3	19.6	1O			0	5	17.2
3635	I	II-III:	139	18.0	18.3	19.3:	1C			3	5	17.1
3636	I	I-II	185	17.1:	18.0:	18.7	1C			3	5	17.1
3637	I	II-III	34	17.0	18.2	18.9	1O			0	5	17.2
3638	R	I-II	84	16.2	16.8	17.0	1O			2	5	17.0
3639	R	I	80	17.4?	18.4	19.2	1C			2	6	17.3
3640	I	III	45:	17.5:	17.7:	18.3:	1O			0	5	17.2
3641	I	I-II	46:	16.1:	18.2:	19.1:	1O			0	5	17.2
3642	R	I-II	70	18.2	18.4	19.4	1C			1	6	17.3
3643	R:	II-III	32	17.8	18.6	19.5	1O			0	6	17.3
3644	I	II-III	39:	16.3:	17.1	17.6	1O,1A			0	5	17.1
3645	R	II-III	47	17.8	18.5:	19.0	1O,1A	Q		0	6	17.3
3646	I	I-II	83	17.7	19.0	19.6	1C			2	6	17.3
3647	RI:	I-II	60	18.0	18.2	19.1	1O,1A			1	6	17.3
3648	I	III	67	16.3	17.5	18.9	1O			1	5	17.2
3649	R	II	135	17.2	17.6	18.5:	1C			3	5	17.1
3650	I	II-III	42	15.3	16.8	18.6	1O			0	5	17.2

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3651	19 48.2 -55 13	19 52.2 -55 05	342.80	-30.49	F185	-1	-10	165	154
3652	19 48.2 -63 52	19 52.8 -63 44	332.75	-30.87	F105	-2	64	166	228
3653	19 48.8 -52 09	19 52.6 -52 01	346.35	-30.26	F185	4	153	160	317
3654	19 56.0 -35 03	19 59.2 -34 54	5.90	-28.28	F399	-46	-2	210	162
3655	19 56.3 -82 23	20 06.0 -82 14	311.38	-29.35	F026	-112	-146	276	18
3656	19 57.2 -38 40	20 00.5 -38 31	1.96	-29.39	F339	10	73	154	237
3657	19 58.5 -29 21	20 01.6 -29 12	12.25	-27.17	F461	27	39	137	203
3658	19 59.4 -29 33	20 02.5 -29 24	12.10	-27.42	F461	36	24	128	188
3659	19 59.5 -30 16	20 02.6 -30 07	11.33	-27.65	F461	36	-10	128	154
3660	20 02.0 -52 25	20 05.8 -52 16	346.26	-32.29	F185	112	137	52	301
3661	20 02.9 -42 05	20 06.3 -41 56	358.34	-31.15	F339	67	-109	97	55
3662	20 03.2 -68 03	20 08.1 -67 54	327.76	-32.17	F105	75	-161	89	3
3663	20 03.5 -52 42	20 07.3 -52 33	345.94	-32.54	F185	124	121	40	285
3664	20 05.7 -80 48	20 14.0 -80 39	313.06	-30.06	F025	74	-46	90	118
3665	20 06.0 -53 19	20 09.8 -53 10	345.24	-32.95	F186	-124	89	288	253
3666	20 07.8 -80 57	20 16.2 -80 47	312.86	-30.10	F025	77	-55	87	109
3667	20 08.5 -56 58	20 12.5 -56 48	340.89	-33.39	F186	-95	-106	259	58
3668	20 08.6 -41 38	20 12.0 -41 29	359.08	-32.11	F339	125	-86	39	78
3669	20 09.4 -38 19	20 12.7 -38 09	2.95	-31.65	F339	140	90	24	254
3670	20 11.2 -29 54	20 14.3 -29 44	12.57	-29.97	F462	-94	8	258	172
3671	20 11.6 -39 38	20 14.9 -39 28	1.52	-32.32	F340	-109	21	273	185
3672	20 16.7 -41 43	20 20.1 -41 33	359.27	-33.62	F340	-55	-90	219	74
3673	20 17.3 -46 55	20 20.8 -46 45	353.05	-34.33	F284	118	-104	46	60
3674	20 17.8 -30 12	20 20.9 -30 02	12.69	-31.43	F462	-18	-7	182	157
3675	20 18.1 -53 06	20 21.9 -52 56	345.56	-34.76	F186	-27	103	191	267
3676	20 22.0 -40 31	20 25.3 -40 21	0.88	-34.43	F340	-1	-25	165	139
3677	20 23.2 -33 31	20 26.4 -33 21	9.22	-33.36	F400	-12	81	176	245
3678	20 24.1 -31 41	20 27.2 -31 31	11.40	-33.11	F462	54	-87	110	77
3679	20 24.2 -70 34	20 29.3 -70 24	324.44	-33.59	F073	125	-33	39	131
3680	20 24.9 -69 42	20 29.9 -69 31	325.44	-33.83	F073	132	10	32	174
3681	20 25.3 -33 35	20 28.5 -33 25	9.26	-33.80	F400	11	77	153	241
3682	20 26.0 -37 08	20 29.2 -36 57	5.08	-34.65	F400	20	-112	144	52
3683	20 26.1 -32 47	20 29.2 -32 36	10.24	-33.78	F400	19	121	145	285
3684	20 26.2 -78 16	20 33.0 -78 05	315.58	-31.66	F026	-94	83	258	247
3685	20 28.3 -56 36	20 32.2 -56 25	341.21	-36.11	F186	51	-85	113	79
3686	20 28.9 -26 35	20 31.9 -26 24	17.59	-32.76	F528	-40	-83	204	81
3687	20 29.1 -63 12	20 33.4 -63 01	333.11	-35.46	F106	-24	98	188	262
3688	20 29.5 -40 10	20 32.8 -39 59	1.55	-35.80	F340	75	-6	89	158
3689	20 29.9 -56 11	20 33.8 -56 00	341.71	-36.36	F186	63	-63	101	101
3690	20 30.7 -35 26	20 33.9 -35 15	7.33	-35.27	F400	71	-21	93	143
3691	20 30.9 -38 12	20 34.1 -38 01	3.99	-35.78	F340	92	98	72	262
3692	20 31.1 -51 41	20 34.8 -51 30	347.29	-36.75	F234	7	-88	157	76
3693	20 31.2 -34 40	20 34.4 -34 29	8.28	-35.22	F400	76	20	88	184
3694	20 31.5 -34 15	20 34.7 -34 04	8.79	-35.20	F400	80	43	84	207
3695	20 31.6 -36 00	20 34.8 -35 49	6.69	-35.55	F400	80	-51	84	113
3696	20 32.0 -35 05	20 35.2 -34 54	7.82	-35.46	F400	86	-2	78	162
3697	20 32.7 -57 06	20 36.6 -56 55	340.53	-36.67	F186	81	-113	83	51
3698	20 33.0 -25 27	20 36.0 -25 16	19.21	-33.31	F528	8	-21	156	143
3699	20 33.5 -37 34	20 36.7 -37 23	4.87	-36.19	F340	121	132	43	296
3700	20 33.9 -34 14	20 37.1 -34 03	8.94	-35.68	F401	-159	39	323	203

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3651	RI:	II	75:	13.9	15.1	15.4	1O,1A	BDQ	0.0588	1	3	15.4
3652	R	II-III	31	16.5	16.8	17.5	1C	B		0	5	17.1
3653	IR	I-II	42	14.6	15.6	16.8	1O	Q	0.0475	0	5	16.9
3654	R	II-III	110	17.4	17.7	18.1	1O			2	5	17.2
3655	IR	II-III	34	17.5	18.1	19.2	1O			0	6	17.3
3656	I	I-II	35	12.5	13.0:	13.5	1C	O	0.0185	0	1	13.6
3657	I	III	75	17.0	17.1	17.9	1C			1	5	17.1
3658	I:	III	56	16.6?	17.2	17.7	1C			1	5	17.1
3659	R	II-III	139	15.5	15.7	17.2	1C			3	5	17.1
3660	R	II-III	32:	18.8	19.1	19.4	1O,1A			0	6	17.3
3661	IR:	II-III:	74	18.5	18.8	19.2	2C			1	6	17.3
3662	I	II-III	39	16.9	17.3	17.7	1C			0	5	17.1
3663	R	III	84	18.8	19.0	19.3	1A	D		2	6	17.3
3664	IR	III	64	16.3	17.1	18.2:	2O,2A	BD	(0.0369)	1	5	17.1
3665	RI:	III	120?	17.8	18.6:	19.0	2O,1A	BQ	0.237	2	6	17.3
3666	R	III	80:	17.0	17.9	18.6	2O,1A			2	5	17.2
3667	IR:	I-II	85	13.5	15.1	15.3	2O	BDQ	0.0530	2	3	15.4
3668	R	I-II	96	16.9	17.2	17.6	1C,1O	B		2	5	17.1
3669	I	II	42	17.6	17.8	19.2	1C			0	6	17.3
3670	R	I	102	17.0	17.6	18.7	1C			2	5	17.2
3671	RI	I-II	55	16.4	16.7	17.5	1O			1	5	17.1
3672	I	III	38	16.8	17.8	18.6	1O			0	5	17.2
3673	I	III	40	18.8	19.1	19.6	1C			0	6	17.3
3674	R	II	161	18.2	18.9	19.3	1C			3	6	17.3
3675	I	II-III	54	16.3	17.3	18.6	1O	DS		1	5	17.2
3676	I	II-III	33:	16.1	16.8	18.1	1O		(0.0404)	0	5	17.2
3677	RI	I	60?	14.5	16.0	16.8	1O		(0.0330)	1	5	16.9
3678	I	II	62	17.4	17.6	18.1	1C			1	5	17.2
3679	I	II	45	17.6	18.2	19.5	1C			0	6	17.3
3680	R:	I-II	44	17.5	18.0	19.6	1C			0	6	17.3
3681	RI	I-II	58	16.0	16.1	17.4	1O			1	5	17.1
3682	RI	II	66	15.5	16.0	16.2	1O			1	4	16.3
3683	R	I-II	34	17.5	17.7	18.0	1O			0	5	17.2
3684	IR	II	32	15.9	16.0	17.5	1O			0	5	17.1
3685	I	I-II	30	16.1	17.6	18.1	1O	D	(0.0620)	0	5	17.2
3686	IR	I-II	36	15.3	16.2	18.3	1O			0	5	17.2
3687	R	III	46	15.2	15.6	16.3:	1C	BDQ	0.0759	0	4	16.4
3688	I	II-III	63	16.8	18.0	18.1	1O			1	5	17.2
3689	I	II-III	31	16.8	17.1	17.8	1O			0	5	17.1
3690	I	II-III	42	15.7	16.7	17.1	1O			0	5	17.1
3691	RI	I-II	115	15.4	16.2	16.5	1O			2	5	16.6
3692	IR	II	46	15.4	16.8	17.0	1O			0	5	17.1
3693	R	I-II	77	15.4	16.0	16.8	1O	Q		1	5	16.9
3694	I	I-II	41	14.6	15.5	17.0	1O	Q		0	5	17.1
3695	RI	I	123	14.6	15.9	16.1	1O	Q		2	4	16.2
3696	IR	II	58	15.4	16.1	16.7	1O	Q		1	5	16.8
3697	I	I-II	31	15.9	16.5	18.0	1O			0	5	17.2
3698	IR	I-II	71	12.4	13.6	14.9	1O			1	3	15.0
3699	I	II	30	15.9	17.0	18.2	2O			0	5	17.2
3700	RI	II-III	43	16.3	16.5	17.7	1C			0	5	17.1

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3701	20 34.9 -71 27	20 40.0 -71 16	323.15	-34.21	F074	-57	-76	221	88
3702	20 35.3 -36 41	20 38.5 -36 30	6.02	-36.40	F401	-138	-92	302	72
3703	20 35.9 -61 31	20 40.0 -61 20	335.01	-36.51	F144	-117	-85	281	79
3704	20 37.3 -31 46	20 40.4 -31 35	12.09	-35.86	F463	-56	-93	220	71
3705	20 38.5 -35 25	20 41.7 -35 14	7.71	-36.83	F401	-105	-21	269	143
3706	20 39.0 -38 31	20 42.2 -38 20	3.89	-37.40	F341	-97	80	261	244
3707	20 39.3 -25 48	20 42.3 -25 37	19.30	-34.77	F528	85	-40	79	124
3708	20 39.4 -55 05	20 43.2 -54 54	342.94	-37.79	F187	-115	-4	279	160
3709	20 39.5 -32 50	20 42.6 -32 39	10.92	-36.54	F463	-30	-150	194	14
3710	20 41.4 -87 59	21 05.9 -87 47	305.03	-28.34	F001	-84	72	248	236
3711	20 43.5 -29 37	20 46.5 -29 25	15.07	-36.67	F463	14	23	150	187
3712	20 44.1 -32 47	20 47.2 -32 35	11.23	-37.48	F463	23	-146	141	18
3713	20 44.4 -34 10	20 47.5 -33 58	9.52	-37.80	F401	-42	46	206	210
3714	20 45.0 -27 11	20 48.0 -26 59	18.10	-36.38	F529	-109	-119	273	45
3715	20 46.8 -30 41	20 49.9 -30 29	13.97	-37.61	F463	52	-33	112	131
3716	20 47.9 -52 54	20 51.5 -52 42	345.57	-39.24	F187	-55	110	219	274
3717	20 51.1 -37 37	20 54.3 -37 25	5.41	-39.65	F341	30	130	134	294
3718	20 52.2 -55 07	20 55.9 -54 55	342.62	-39.61	F187	-17	-3	181	161
3719	20 52.7 -42 51	20 56.0 -42 39	358.62	-40.35	F286	-74	115	238	279
3720	20 53.2 -47 13	20 56.6 -47 01	352.89	-40.45	F235	-64	149	228	313
3721	20 53.6 -43 17	20 56.9 -43 05	358.06	-40.53	F286	-64	92	228	256
3722	20 54.1 -66 34	20 58.5 -66 22	328.29	-37.27	F107	-117	-88	281	76
3723	20 54.3 -43 27	20 57.6 -43 15	357.84	-40.66	F286	-57	84	221	248
3724	20 55.3 -42 36	20 58.6 -42 24	358.97	-40.82	F286	-48	129	212	293
3725	20 55.3 -47 04	20 58.7 -46 52	353.07	-40.81	F235	-46	158	210	322
3726	20 56.4 -22 04	20 59.3 -21 52	25.16	-37.38	F529	27	161	137	325
3727	20 56.4 -36 43	20 59.6 -36 31	6.73	-40.59	F401	88	-91	76	73
3728	20 56.4 -82 56	21 05.2 -82 44	310.01	-30.95	F011	-68	106	232	270
3729	20 56.8 -24 32	20 59.7 -24 20	22.22	-38.21	F529	33	28	131	192
3730	20 56.9 -35 18	21 00.0 -35 06	8.60	-40.51	F401	94	-16	70	148
3731	20 57.7 -38 51	21 00.9 -38 39	3.96	-41.06	F341	98	62	66	226
3732	20 57.8 -55 52	21 01.5 -55 40	341.49	-40.27	F187	25	-43	139	121
3733	20 59.0 -28 15	21 02.0 -28 03	17.77	-39.64	F464	-76	95	240	259
3734	20 59.1 -27 30	21 02.1 -27 18	18.72	-39.49	F464	-76	136	240	300
3735	20 59.7 -42 35	21 03.0 -42 23	359.02	-41.63	F286	-4	130	168	294
3736	21 00.0 -43 31	21 03.3 -43 19	357.77	-41.70	F286	-2	80	166	244
3737	21 00.1 -33 01	21 03.2 -32 49	11.71	-40.83	F402	-133	105	297	269
3738	21 00.3 -43 49	21 03.6 -43 37	357.37	-41.75	F286	1	64	163	228
3739	21 01.0 -41 35	21 04.3 -41 23	0.37	-41.85	F342	-133	-84	297	80
3740	21 02.8 -39 01	21 06.0 -38 48	3.84	-42.06	F342	-121	55	285	219
3741	21 03.0 -82 22	21 11.2 -82 09	310.47	-31.41	F026	5	-128	159	36
3742	21 03.3 -47 21	21 06.7 -47 08	352.60	-42.15	F286	28	-125	136	39
3743	21 03.4 -27 19	21 06.4 -27 06	19.25	-40.37	F464	-25	147	189	311
3744	21 04.3 -25 41	21 07.2 -25 28	21.39	-40.15	F530	-142	-35	306	129
3745	21 04.3 -47 37	21 07.7 -47 24	352.22	-42.30	F235	35	130	129	294
3746	21 05.1 -36 13	21 08.2 -36 00	7.66	-42.28	F402	-75	-64	239	100
3747	21 05.4 -43 42	21 08.7 -43 29	357.52	-42.67	F286	50	70	114	234
3748	21 06.0 -78 26	21 12.2 -78 13	314.46	-33.44	F026	14	81	150	245
3749	21 06.9 -46 01	21 10.2 -45 48	354.35	-42.85	F286	62	-55	102	109
3750	21 10.6 -49 48	21 14.0 -49 35	349.12	-43.11	F235	87	10	77	174

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3701	R	I-II	75	17.5	18.0	19.1	1C	BD		1	6	17.3
3702	R	III	54	18.6	18.8	19.4	1C	Q		1	6	17.3
3703	IR?	II	52	15.1	15.8	16.4	1C,1O	D	0.0708	1	5	16.5
3704	I	II	40	16.4	16.8	17.7	1O			0	5	17.1
3705	R	III	100	15.7	16.0	16.5	1C	OQ		2	5	16.6
3706	R:	II	41	15.4	15.4	16.1	1O		(0.0200)	0	4	16.2
3707	I	II-III	84	17.5	17.6	18.4	1O	Q		2	5	17.2
3708	R	II-III	54	18.1	18.6	19.0	1C			1	5	17.2
3709	I	I-II	37	16.4	17.1	18.9	1O			0	5	17.2
3710	I	III	73	17.2	17.8	19.1	1O			1	6	17.3
3711	RI	I-II	53	16.7	17.4	18.9	1O			1	5	17.2
3712	RI	I	40	16.7	17.2	17.8	1O			0	5	17.1
3713	I	III	35	17.8	18.4	19.1?	1C			0	6	17.3
3714	I	II-III	75	18.4	19.0	19.6	1C			1	6	17.3
3715	R	I	78:	18.0	18.6	19.3	1O			1	6	17.3
3716	IR	I-II:	66:	13.6	13.9	14.9	2C,1O	Bd	0.0456	1	3	15.0
3717	I	II-III	40	16.5	17.4	18.1	1O			0	6	17.3
3718	R	II	118	16.7?	17.0	17.8	1C	B		2	5	17.2
3719	RI	II-III	60	17.5	18.6	19.1	1O	DQ		1	6	17.4
3720	I:	II:	74	17.5	18.0	19.2	1C			1	6	17.4
3721	I	III	56	17.8	18.1	19.1	1O			1	6	17.4
3722	I	II-III	36	18.0	18.4	19.4	1C			0	6	17.3
3723	I	III	64	17.8	18.1	18.9	1O			1	6	17.3
3724	RI?	III	72	18.1:	18.5	19.2	1O,1A			1	6	17.4
3725	R	II-III	57	17.7	17.9	18.5	1C			1	6	17.3
3726	I	III	117	18.1:	18.3	19.6	1C			2	6	17.3
3727	IR	III	68	16.7?	17.0?	18.3?	2C,1O			1	6	17.3
3728	IR	II-III	66	15.8:	17.0	17.5:	3O,1A	BQ		1	5	17.1
3729	I?	II?	74	17.1	17.5	18.8	1C			1	5	17.2
3730	IR:	II?	40	17.5	18.0	18.5	2C,1O			0	6	17.3
3731	RI	I-II	43	15.4	16.1	17.6	1O			0	5	17.2
3732	I:	II-III:	45	18.0	18.9	19.4	1C			0	6	17.4
3733	RI	I-II	59	13.8	13.9	15.4	1O		0.0386	1	3	15.6
3734	I	III	36	15.6	16.6	17.3	1O			0	5	17.2
3735	RI:	III	89:	17.0:	17.3	18.3:	1O,1C,1A			2	6	17.3
3736	IR	III	35:	16.8	17.1	18.0	1O,1A	Q	(0.0487)	0	6	17.3
3737	RI	III	44	18.0	18.5	19.3	1O,2C			0	6	17.4
3738	RI?	III	40	18.4:	18.9	19.3	1O,1A			0	6	17.4
3739	R	III	90	17.5:	17.7	18.7	1C	B		2	6	17.3
3740	RI	I	92?	16.5:	17.0:	17.9	1C,1O	B		2	5	17.2
3741	RI:	I	29	15.5	16.8	17.4	2O,1A			0	5	17.0
3742	I	II-III	35	13.4	14.1	15.1	1A	DQS	(0.0165)	0	3	15.3
3743	IR	II-III	65	16.0	17.3	19.2	1O			1	6	17.4
3744	IR:	II-III	70?	13.1:	13.5	14.5:	2C	BQ		1	2	14.7
3745	R	II-III	96:	18.0?	18.2?	18.8:	1C,1O,1A	Q		2	6	17.4
3746	R	II	44	15.6	16.7	18.2	1O,1C			0	6	17.3
3747	IR	I-II	44:	12.7	13.4	15.0	1O		0.0306	0	3	15.2
3748	IR	III	50	17.1	17.7	18.8	1O			1	5	17.2
3749	IR	III	55	15.7	16.4	17.6	1O		(0.0320)	1	5	17.2
3750	R	II-III:	99	17.7	18.0	18.5	1C			2	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3751	21 11.0 -43 05	21 14.3 -42 52	358.34	-43.70	F286	106	101	58	265
3752	21 11.3 -27 20	21 14.2 -27 07	19.78	-42.08	F464	69	146	95	310
3753	21 11.6 -27 00	21 14.5 -26 47	20.24	-42.07	F464	73	164	91	328
3754	21 12.1 -45 41	21 15.4 -45 28	354.73	-43.78	F286	111	-39	53	125
3755	21 12.2 -43 35	21 15.5 -43 22	357.64	-43.90	F286	117	74	47	238
3756	21 12.5 -42 49	21 15.7 -42 36	358.70	-43.98	F286	122	117	42	281
3757	21 15.3 -45 27	21 18.6 -45 14	355.00	-44.35	F287	-121	-25	285	139
3758	21 17.7 -26 57	21 20.6 -26 44	20.74	-43.38	F530	17	-102	147	62
3759	21 18.7 -33 17	21 21.7 -33 04	12.11	-44.72	F402	74	93	90	257
3760	21 18.7 -70 45	21 23.3 -70 32	322.35	-37.76	F075	-97	-41	261	123
3761	21 20.4 -76 48	21 25.9 -76 35	315.71	-34.92	F047	75	-99	89	65
3762	21 21.0 -85 03	21 31.4 -84 49	307.53	-30.37	F011	-18	-3	182	161
3763	21 21.0 -87 26	21 38.1 -87 12	305.32	-28.96	F011	-9	-130	173	34
3764	21 22.8 -34 56	21 25.8 -34 43	9.91	-45.74	F402	118	4	46	168
3765	21 23.7 -53 18	21 27.2 -53 04	343.84	-44.47	F188	-31	92	195	256
3766	21 23.8 -49 29	21 27.2 -49 15	349.10	-45.27	F236	-56	26	220	190
3767	21 24.0 -42 53	21 27.2 -42 39	358.48	-46.08	F287	-41	115	205	279
3768	21 24.1 -73 07	21 28.9 -72 53	319.48	-37.00	F075	-64	-166	228	-2
3769	21 24.9 -33 02	21 27.9 -32 48	12.69	-45.97	F403	-128	106	292	270
3770	21 25.9 -21 06	21 28.7 -20 52	29.20	-43.59	F599	57	-59	107	105
3771	21 26.1 -51 02	21 29.5 -50 48	346.84	-45.34	F236	-36	-52	200	112
3772	21 26.4 -42 58	21 29.6 -42 44	358.32	-46.52	F287	-17	111	181	275
3773	21 26.6 -20 06	21 29.4 -19 52	30.58	-43.42	F599	67	-5	97	159
3774	21 27.9 -45 17	21 31.1 -45 03	354.93	-46.57	F287	-3	-13	167	151
3775	21 28.4 -43 32	21 31.6 -43 18	357.46	-46.84	F287	2	80	162	244
3776	21 28.4 -68 58	21 32.7 -68 44	323.87	-39.33	F075	-60	56	224	220
3777	21 29.4 -52 15	21 32.8 -52 01	344.99	-45.56	F236	-8	-119	172	45
3778	21 29.6 -22 52	21 32.4 -22 38	27.20	-44.93	F531	-104	114	268	278
3779	21 29.6 -85 16	21 39.9 -85 02	307.20	-30.39	F011	-8	-14	172	150
3780	21 29.8 -72 55	21 34.5 -72 41	319.43	-37.46	F075	-43	-154	207	10
3781	21 30.5 -67 04	21 34.6 -66 50	325.94	-40.39	F075	-61	159	225	323
3782	21 30.7 -62 15	21 34.5 -62 01	331.73	-42.48	F107	-139	-81	303	83
3783	21 30.8 -42 52	21 34.0 -42 38	358.38	-47.33	F287	26	115	138	279
3784	21 31.0 -28 46	21 33.9 -28 32	19.08	-46.63	F465	30	70	134	234
3785	21 31.0 -53 51	21 34.5 -53 37	342.69	-45.38	F188	27	82	137	246
3786	21 31.1 -82 17	21 38.5 -82 03	309.94	-32.24	F027	-106	-135	270	29
3787	21 32.8 -37 28	21 35.9 -37 14	6.37	-47.88	F403	-36	-131	200	33
3788	21 34.1 -33 03	21 37.1 -32 49	12.97	-47.89	F403	-25	108	189	272
3789	21 34.1 -67 29	21 38.2 -67 15	325.25	-40.50	F075	-34	138	198	302
3790	21 34.7 -42 01	21 37.8 -41 47	359.56	-48.11	F287	65	160	99	324
3791	21 34.7 -43 05	21 37.9 -42 51	357.97	-48.02	F287	64	103	100	267
3792	21 34.7 -47 37	21 38.0 -47 23	351.30	-47.38	F236	39	129	125	293
3793	21 36.0 -52 18	21 39.4 -52 04	344.54	-46.52	F188	69	146	95	310
3794	21 36.1 -27 23	21 39.0 -27 09	21.39	-47.46	F531	-27	-125	191	39
3795	21 36.1 -32 18	21 39.1 -32 04	14.15	-48.23	F465	87	-120	77	44
3796	21 36.1 -51 37	21 39.5 -51 23	345.49	-46.72	F236	48	-85	116	79
3797	21 36.4 -27 20	21 39.3 -27 06	21.49	-47.52	F531	-19	-124	183	40
3798	21 36.7 -47 20	21 40.0 -47 06	351.62	-47.77	F287	77	-125	87	39
3799	21 37.0 -72 57	21 41.6 -72 43	319.04	-37.89	F075	-17	-157	181	7
3800	21 38.5 -44 35	21 41.7 -44 21	355.61	-48.52	F287	99	22	65	186

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3751	IR	II-III	31	15.1	16.1	17.0	1O	D		0	5	17.2
3752	I	II	32	15.3	16.0	17.3	1O			0	5	17.2
3753	R	I-II	30	15.5	16.1	18.1	1O			0	6	17.3
3754	I:	II-III	35	16.1	16.8	18.0	1O			0	6	17.3
3755	IR	II-III	34	15.3	16.4	16.9	1O			0	5	17.1
3756	IR	II-III	39	14.8	15.1	16.2	2O,1C,1A	BQ		0	4	16.4
3757	RI	I-II	63	15.4	16.6	17.8	1O	DQ		1	5	17.2
3758	R	II-III	42	16.7?	17.3	18.1	1C			0	6	17.3
3759	RI	II-III	67	17.8	18.1	19.4	1O			1	6	17.4
3760	R	III	108	18.0	18.4	19.4	1C			2	6	17.3
3761	I	II-III	32	17.0	17.3	18.0	2O	D		0	5	17.2
3762	IR	III	74:	17.8	18.1	19.1	1O			1	6	17.3
3763	I:	II-III	52	16.5	17.3	18.2	1O			1	5	17.2
3764	RI	II-III	53	15.4	15.9	16.6	1O,2C	BO		1	5	16.8
3765	I:	II-III	70	18.4	19.1	19.6	1C			1	6	17.4
3766	I	III:	84	17.7	18.4	19.1	1C			2	6	17.4
3767	I	II-III	44:	16.7	16.8	17.4	1O			0	5	17.2
3768	I	III	93	18.0	18.3	19.3	1C			2	6	17.3
3769	IR	III	67?	18.1:	18.5:	19.0:	3C,1O			1	6	17.4
3770	RI	I-II	40	15.5	17.3	18.0	1O			0	6	17.3
3771	I	III	42	15.1	15.5	16.1	1C	BDOQ	0.0796	0	4	16.3
3772	I	II-III	69	16.6	16.7	17.0	1O			1	5	17.2
3773	IR	I	32	16.8	18.3	19.1	1O			0	6	17.4
3774	I:	II	47:	15.5	16.1	17.2	1O			0	5	17.2
3775	RI	II	76	13.5*	16.1	17.5	1O			1	5	17.2
3776	I	II-III	54	17.9	18.2	19.1	1C	D		1	6	17.3
3777	IR?	II:	78	18.1	18.5	19.3	2C	B		1	6	17.4
3778	I	II-III	55	16.3	16.5:	17.4	1O,2C	B		1	5	17.2
3779	I	III	63	17.2	17.6	18.8	1O			1	5	17.2
3780	R	II	86	17.7	18.5	19.5	1C			2	6	17.3
3781	I	II-III	79	14.8	15.6	16.6	1C	BQ		1	5	16.8
3782	R	II?	40	14.1	14.8	16.1	2C	BDO	0.0557	0	4	16.4
3783	R	II?	118:	17.1:	18.0	18.5:	1O,1C	B	0.1955	2	6	17.3
3784	I	II-III	58	17.4	17.6	19.0	1C			1	6	17.3
3785	I	II	45	14.3	15.1	16.0	1C	DO	0.0775	0	4	16.2
3786	RI	I	32	16.0	18.1	18.6	1O	Q		0	5	17.2
3787	R:	III	100	19.0	19.2	19.6	1C			2	6	17.4
3788	I	III:	64	17.2	17.4	17.8	2C			1	5	17.2
3789	IR	II	51	16.3	17.6	18.8	1C	BD		1	6	17.3
3790	I:	III	38:	16.6?	18.3	18.9	1O			0	6	17.3
3791	I	II-III	44	15.0*	18.0	18.7	1O			0	6	17.3
3792	I	III	81	17.7	17.9	18.6	1C			2	6	17.3
3793	I	II-III	35	15.9:	16.6	17.2	1C	B		0	5	17.2
3794	I	II:	88	18.0:	18.9:	19.6	1C			2	6	17.4
3795	I	II?	51	16.1:	16.2:	16.8:	2C			1	5	16.9
3796	I	I-II	46	15.2:	15.9	16.9	1C		0.0756	0	5	17.1
3797	I	III	68	16.4	17.5	18.9	1O			1	6	17.3
3798	R	III	37	17.6	18.5	19.2	1O,1C	Q		0	6	17.4
3799	I	III	50	14.8	15.0:	15.4	1C	B		1	3	15.5
3800	I	III	48	16.8	17.1	18.0	1O			0	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3801	21 41.8 -87 00	21 55.5 -86 45	305.52	-29.43	F011	4	-107	160	57
3802	21 42.5 -46 15	21 45.7 -46 01	352.94	-48.94	F288	-128	-68	292	96
3803	21 42.5 -53 35	21 45.9 -53 21	342.33	-47.08	F188	118	90	46	254
3804	21 42.7 -26 08	21 45.6 -25 54	23.68	-48.64	F531	51	-59	113	105
3805	21 42.8 -26 12	21 45.7 -25 58	23.59	-48.68	F531	56	-63	108	101
3806	21 43.1 -57 31	21 46.6 -57 17	336.94	-45.77	F145	75	134	89	298
3807	21 43.6 -23 31	21 46.4 -23 17	27.59	-48.21	F531	68	80	96	244
3808	21 43.6 -26 39	21 46.5 -26 25	22.98	-48.95	F531	66	-88	98	76
3809	21 43.8 -44 08	21 47.0 -43 54	356.08	-49.52	F288	-121	46	285	210
3810	21 44.2 -64 42	21 48.1 -64 28	327.84	-42.74	F108	-92	14	256	178
3811	21 44.5 -47 20	21 47.7 -47 06	351.22	-49.06	F288	-107	-126	271	38
3812	21 45.1 -32 57	21 48.1 -32 43	13.44	-50.18	F403	100	111	64	275
3813	21 45.7 -31 59	21 48.6 -31 45	14.96	-50.22	F466	-62	-106	226	58
3814	21 46.2 -30 56	21 49.1 -30 42	16.61	-50.21	F466	-57	-49	221	115
3815	21 46.7 -33 41	21 49.7 -33 26	12.33	-50.56	F403	118	71	46	235
3816	21 47.0 -55 33	21 50.4 -55 18	339.29	-47.01	F189	-98	-32	262	132
3817	21 47.9 -50 15	21 51.2 -50 00	346.70	-48.88	F237	-105	-15	269	149
3818	21 48.2 -48 17	21 51.4 -48 02	349.58	-49.45	F237	-107	92	271	256
3819	21 49.0 -53 48	21 52.4 -53 33	341.55	-47.91	F189	-88	61	252	225
3820	21 49.3 -48 38	21 52.5 -48 23	348.99	-49.54	F237	-96	72	260	236
3821	21 50.0 -44 14	21 53.1 -43 59	355.64	-50.61	F288	-60	42	224	206
3822	21 50.6 -58 05	21 54.1 -57 50	335.61	-46.45	F145	129	102	35	266
3823	21 50.7 -33 26	21 53.6 -33 11	12.80	-51.38	F403	162	83	2	247
3824	21 54.1 -27 07	21 57.0 -26 52	22.99	-51.34	F532	-74	-110	238	54
3825	21 54.8 -60 38	21 58.4 -60 23	331.98	-45.78	F146	-102	-35	266	129
3826	21 56.5 -56 24	21 59.9 -56 09	337.35	-47.89	F189	-34	-76	198	88
3827	21 58.2 -60 11	22 01.7 -59 56	332.26	-46.36	F146	-80	-11	244	153
3828	21 58.8 -20 35	22 01.6 -20 20	33.48	-50.72	F601	-55	-29	219	135
3829	21 59.7 -41 53	22 02.8 -41 38	358.91	-52.74	F344	-65	-101	229	63
3830	22 00.1 -61 50	22 03.7 -61 35	330.04	-45.73	F146	-64	-99	228	65
3831	22 00.2 -46 04	22 03.3 -45 49	352.17	-51.97	F288	36	-55	128	109
3832	22 02.4 -30 42	22 05.3 -30 27	17.59	-53.65	F467	-138	-37	302	127
3833	22 02.6 -30 44	22 05.5 -30 29	17.54	-53.69	F466	129	-36	35	128
3834	22 02.6 -47 46	22 05.8 -47 31	349.34	-51.90	F237	23	122	141	286
3835	22 02.9 -39 18	22 05.9 -39 03	3.05	-53.69	F344	-34	38	198	202
3836	22 06.2 -52 04	22 09.4 -51 49	342.54	-50.96	F237	49	-108	115	56
3837	22 06.4 -27 34	22 09.2 -27 19	23.05	-54.10	F467	-93	131	257	295
3838	22 07.2 -28 20	22 10.0 -28 05	21.80	-54.40	F467	-83	91	247	255
3839	22 07.3 -49 10	22 10.5 -48 55	346.77	-52.20	F237	62	46	102	210
3840	22 07.6 -40 07	22 10.6 -39 52	1.47	-54.48	F344	13	-5	151	159
3841	22 08.3 -48 50	22 11.4 -48 35	347.19	-52.46	F237	69	64	95	228
3842	22 08.5 -38 59	22 11.5 -38 44	3.37	-54.81	F344	23	56	141	220
3843	22 08.7 -50 44	22 11.9 -50 29	344.27	-51.84	F237	71	-38	93	126
3844	22 10.6 -35 00	22 13.5 -34 45	10.28	-55.52	F404	114	1	50	165
3845	22 11.4 -48 04	22 14.5 -47 49	348.10	-53.21	F237	98	104	66	268
3846	22 11.5 -27 19	22 14.3 -27 04	23.80	-55.18	F533	-126	-124	290	40
3847	22 11.8 -17 16	22 14.5 -17 01	40.22	-52.43	F601	109	149	55	313
3848	22 12.3 -43 31	22 15.3 -43 16	355.42	-54.68	F289	-117	78	281	242
3849	22 12.7 -51 48	22 15.9 -51 33	342.28	-51.99	F237	103	-96	61	68
3850	22 13.2 -53 39	22 16.4 -53 24	339.54	-51.25	F189	104	70	60	234

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3801	I	III	39	16.2*	18.0	19.1	1O			0	6	17.3
3802	IR:	III	58	15.7?	17.3:	18.0	1C,1O			1	6	17.3
3803	R	II:	54	17.3	17.7	18.6	1C			1	6	17.3
3804	I	II-III:	77	17.3	17.7	17.9	1C			1	5	17.2
3805	IR	III	66	15.4?	16.7	18.0	1O			1	6	17.3
3806	R	II	115	14.4	15.0:	16.0:	3C	BDOS	0.0747	2	4	16.2
3807	IR?	III	50	17.0	17.5	18.3:	1O,1C			1	5	17.2
3808	RI:	III	52	18.1:	18.3:	18.9:	1O,1C	B		1	6	17.4
3809	IR?	III	73	14.6	15.3	15.9	1C,1O	DO		1	4	16.0
3810	R:	III:	76	17.7:	18.3:	19.4:	1C			1	6	17.4
3811	RI	II?	70	18.1?	18.9	19.6	1C	Q		1	6	17.4
3812	RI	III	30	15.6:	15.8	16.4	1C			0	5	16.6
3813	R	I	32	14.6:	15.7:	16.8?	2C			0	5	16.7
3814	R	II	112	15.6:	16.6	17.4	1C			2	5	17.2
3815	I	II-III:	65	18.1	18.5	19.1	1C			1	6	17.4
3816	I	I-II	39	13.9	14.5	15.1	1C		0.0352	0	3	15.3
3817	R	II:	85	17.4:	17.7	18.3	1C	B		2	6	17.3
3818	R	II-III	118	16.7:	16.9:	18.2	1C			2	6	17.3
3819	I	III	66	17.6	17.7	18.6	1C	D		1	6	17.3
3820	I	II-III:	66	17.6	18.0	18.4	1C	B		1	6	17.3
3821	RI	II-III	75	16.9	17.2	17.8	1C	D		1	5	17.2
3822	R	II-III	113	14.9	15.6:	16.2:	3C	BDOS	0.0760	2	4	16.4
3823	I	II-III	50	17.0	17.6	18.5	1C			1	6	17.3
3824	I	II:	60	17.9?	18.5	19.1	1C			1	6	17.4
3825	R	III	77	14.3	14.9	15.8	1C	BDO	0.0744	1	4	16.0
3826	I	II	62	13.4:	14.1:	14.9	1C		0.0754	1	3	15.1
3827	R	I	100	14.4?	15.9	16.4	1C	DO	0.0993	2	5	16.6
3828	IR	II	40	17.5	18.0	19.0	1O			0	6	17.3
3829	I	III?	88	17.9	18.2	19.3	1C			2	6	17.4
3830	R:	II	72	18.1	18.4	19.0	1C			1	6	17.3
3831	RI	III	81	17.9	18.1	19.0	1C		(0.0650)	2	6	17.3
3832	I:	I-II	48	16.0	16.8	18.0	1O	B		0	6	17.3
3833	RI	II-III	40	16.0:	16.3:	17.6	1C			0	5	17.2
3834	I	III	154?	16.8?	17.4:	18.2	2C	B		3	6	17.3
3835	R	III	74	17.5	17.9	18.6	1C			1	6	17.3
3836	R	I	81	14.7	16.5	17.2	2C	BS		2	5	17.2
3837	R	I-II	60	15.6	16.0	17.5	1O			1	5	17.2
3838	IR	II-III	71	17.1	17.6	19.1	1O			1	6	17.4
3839	I	II	115	16.6	17.1	17.7	1C			2	5	17.2
3840	IR	I-II	43	15.5	16.8	18.0	1O			0	6	17.3
3841	R	II-III:	112	17.3:	17.5	18.3	1C	B		2	6	17.3
3842	IR	II-III:	62:	17.2	17.8	18.2	1C,1O			1	6	17.3
3843	I	II-III:	105	17.7:	18.0:	18.9	1C	B		2	6	17.3
3844	I	II-III	52	15.6	16.0	16.8	1O			1	5	17.0
3845	I	II:	72	17.3	17.5	18.5	1C			1	6	17.3
3846	I	III:	69	18.0	18.3	19.0	1C			1	6	17.3
3847	IR	II-III	30	15.1*	18.0	19.3	1O			0	6	17.4
3848	IR	II	49	16.6	17.8	18.8	1O			0	6	17.3
3849	R:	II-III	42	14.2:	15.1	15.8	1C		0.0678	0	4	16.0
3850	R	II-III:	47:	15.9	16.4	17.3	2C	D		0	5	17.2

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3851	22 13.5 -52 50	22 16.7 -52 35	340.68	-51.66	F189	107	114	57	278
3852	22 13.6 -19 34	22 16.3 -19 19	36.92	-53.67	F602	-132	27	296	191
3853	22 13.6 -39 31	22 16.6 -39 16	2.21	-55.71	F344	75	26	89	190
3854	22 14.8 -35 58	22 17.7 -35 42	8.48	-56.33	F405	-102	-52	266	112
3855	22 15.5 -43 16	22 18.5 -43 00	355.59	-55.31	F289	-87	93	251	257
3856	22 15.8 -39 09	22 18.8 -38 53	2.74	-56.19	F344	98	45	66	209
3857	22 16.3 -38 20	22 19.2 -38 04	4.18	-56.40	F344	106	89	58	253
3858	22 16.6 -34 58	22 19.5 -34 42	10.26	-56.75	F405	-85	2	249	166
3859	22 16.7 -37 16	22 19.6 -37 00	6.08	-56.60	F344	111	146	53	310
3860	22 16.7 -57 21	22 20.0 -57 05	334.08	-49.87	F146	45	142	119	306
3861	22 16.9 -37 24	22 19.8 -37 08	5.83	-56.63	F344	112	138	52	302
3862	22 16.9 -46 12	22 20.0 -45 56	350.57	-54.71	F289	-69	-64	233	100
3863	22 16.9 -49 20	22 20.0 -49 04	345.57	-53.59	F237	145	35	19	199
3864	22 17.0 -52 44	22 20.2 -52 28	340.44	-52.17	F190	-132	116	296	280
3865	22 17.0 -72 10	22 21.0 -71 54	317.41	-40.72	F075	147	-125	17	39
3866	22 17.6 -35 25	22 20.5 -35 09	9.42	-56.93	F405	-72	-22	236	142
3867	22 18.0 -57 55	22 21.3 -57 39	333.20	-49.71	F146	53	112	111	276
3868	22 18.1 -50 34	22 21.2 -50 18	343.54	-53.27	F238	-101	-31	265	133
3869	22 18.2 -55 23	22 21.4 -55 07	336.56	-51.06	F189	-110	-21	274	143
3870	22 18.7 -52 50	22 21.9 -52 34	340.11	-52.36	F190	-118	113	282	277
3871	22 19.5 -58 36	22 22.8 -58 20	332.15	-49.50	F146	41	75	123	239
3872	22 20.1 -52 42	22 23.3 -52 26	340.14	-52.61	F190	-107	120	271	284
3873	22 20.3 -29 34	22 23.1 -29 18	20.23	-57.39	F467	70	23	94	187
3874	22 20.9 -43 01	22 23.9 -42 45	355.57	-56.33	F344	142	-164	22	0
3875	22 22.8 -57 29	22 26.1 -57 13	333.21	-50.48	F146	90	135	74	299
3876	22 23.2 -48 00	22 26.3 -47 44	346.98	-55.07	F289	-11	-160	175	4
3877	22 23.2 -49 10	22 26.3 -48 54	345.12	-54.60	F238	-50	46	214	210
3878	22 24.0 -32 12	22 26.8 -31 56	15.37	-58.33	F405	-5	152	169	316
3879	22 24.1 -69 17	22 27.8 -69 01	319.66	-43.14	F076	-40	40	204	204
3880	22 25.0 -30 50	22 27.8 -30 34	18.00	-58.50	F467	124	-45	40	119
3881	22 25.4 -33 48	22 28.3 -33 32	12.31	-58.61	F405	11	66	153	230
3882	22 26.8 -36 47	22 29.7 -36 31	6.55	-58.66	F405	28	-93	136	71
3883	22 27.1 -48 26	22 30.1 -48 10	345.82	-55.49	F238	-25	87	189	251
3884	22 28.2 -63 04	22 31.6 -62 48	325.81	-47.64	F109	-101	103	265	267
3885	22 28.4 -30 27	22 31.2 -30 11	18.81	-59.21	F468	-99	-24	263	140
3886	22 28.5 -55 00	22 31.7 -54 44	335.84	-52.51	F190	-35	-3	199	161
3887	22 29.9 -39 18	22 32.8 -39 02	1.57	-58.85	F345	-24	40	188	204
3888	22 31.5 -37 59	22 34.4 -37 43	3.97	-59.40	F345	-7	110	171	274
3889	22 32.0 -30 49	22 34.8 -30 33	18.16	-60.00	F468	-59	-42	223	122
3890	22 34.1 -58 50	22 37.3 -58 34	330.10	-50.89	F147	-100	62	264	226
3891	22 34.5 -60 14	22 37.8 -59 58	328.35	-50.04	F147	-90	-14	254	150
3892	22 35.1 -30 58	22 37.9 -30 42	17.90	-60.67	F468	-22	-49	186	115
3893	22 35.3 -24 10	22 38.0 -23 54	31.52	-59.82	F534	-110	46	274	210
3894	22 35.6 -22 20	22 38.3 -22 04	35.06	-59.41	F603	-121	-123	285	41
3895	22 36.0 -36 57	22 38.9 -36 41	5.71	-60.46	F405	125	-101	39	63
3896	22 36.1 -38 05	22 39.0 -37 49	3.45	-60.28	F406	-129	-166	293	-2
3897	22 36.6 -17 39	22 39.3 -17 23	43.69	-58.02	F602	158	129	6	293
3898	22 37.1 -62 40	22 40.4 -62 24	325.24	-48.66	F109	-45	127	209	291
3899	22 37.4 -38 51	22 40.3 -38 35	1.83	-60.37	F345	55	63	109	227
3900	22 37.5 -24 06	22 40.2 -23 50	31.89	-60.29	F534	-82	49	246	213

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3851	I	I-II	33	14.1:	14.8	15.8:	1C		0.0529	0	4	16.0
3852	I	III	65	18.1	18.4	19.1	1C			1	6	17.4
3853	IR	III	43	16.5*	18.0	18.6	1O			0	6	17.3
3854	R	II	130	15.6?	16.3?	17.2	1C	B	0.1214	3	5	17.2
3855	I	II-III	35	16.6	18.3	19.3	1O			0	6	17.4
3856	R	II-III	125	16.7?	17.4	17.9	1O,1C	B		2	5	17.2
3857	RI	II-III	43	17.6	18.2	19.2	1C			0	6	17.4
3858	I	III	57	17.3	17.6	18.0	1C	B		1	6	17.3
3859	I	II-III	62	16.5	17.3	18.9	1O			1	6	17.3
3860	R:	III:	32	17.9:	18.2:	18.8	1C			0	6	17.3
3861	I	III	76	16.3	16.7	17.8	1C			1	5	17.2
3862	RI	II	35	15.8	18.0	18.2	1O			0	6	17.3
3863	R	II-III	63	17.9:	18.3	18.7	1C			1	6	17.3
3864	R	II	60	15.2:	16.0	16.6:	4C	BD		1	5	16.7
3865	IR	II?	87	17.0:	17.9	19.3	1C			2	6	17.4
3866	RI	II-III	46	16.0?	16.7:	17.7	1C			0	5	17.2
3867	I	III	36	14.9	15.6	16.6	1C	R		0	5	16.8
3868	R	II-III	96	17.6	18.3	19.2	1C	BD		2	6	17.4
3869	I	II:	49	13.9	14.2	15.1	2C	DORS	0.0396	0	3	15.3
3870	R:	II	51	16.7:	17.9:	19.0	1C	D		1	6	17.3
3871	I	II-III	60	18.3	18.5	19.3	1C			1	6	17.4
3872	R	II-III	52	18.4	18.9	19.3	3C			1	6	17.4
3873	RI	I-II	56	16.8	17.8	18.9	1O			1	6	17.3
3874	R	II-III	(69)	17.7	17.9	18.5	1C	D		1	6	17.3
3875	R	I-II:	86	16.4?	16.8:	17.7:	3C	DR		2	5	17.2
3876	RI	I	36	16.6	16.8	18.1	1O	DR		0	6	17.3
3877	R	I-II	103	15.7	16.4	17.1	1C	BD		2	5	17.2
3878	IR	III	44	15.6?	16.0:	17.4	1C			0	5	17.2
3879	IR	I-II	114	15.4	15.9	16.0	1O	D	(0.0224)	2	4	16.2
3880	R	II	31	14.2:	14.6	15.6:	1O,1C	BO		0	4	15.7
3881	I	III	34	17.5:	17.8	18.7	1C			0	6	17.3
3882	I	II-III?	30	18.1	18.4:	19.2	1C			0	6	17.4
3883	R	II	40	16.3	16.9	17.4	1C	BD		0	5	17.2
3884	RI:	II-III	32*	17.6	17.8	18.6	3C	D		0	6	17.3
3885	R	II-III:	33	17.9	18.2	19.1	1C			0	6	17.4
3886	I	III	31	14.7:	15.0:	16.0	1C	DR	0.0750	0	4	16.2
3887	IR	II-III	36	17.4	18.0	18.5	1O	B		0	6	17.3
3888	R	I-II	107:	16.7	16.8	17.6	1O,1C	BD	0.1680	2	5	17.2
3889	R	II	95	17.8	18.6	19.4	1C			2	6	17.4
3890	R	II:	63	18.0	18.3	19.0	2C			1	6	17.4
3891	I	III	32	15.2:	16.0:	17.0	1C	BD		0	5	17.2
3892	RI	II-III	50	16.6:	17.0	17.9	1C			1	5	17.2
3893	RI	I	39	15.9	16.7	18.6	1O			0	6	17.3
3894	I	II-III	47	18.0	18.1	19.0	1O			0	6	17.3
3895	I	II-III	47:	14.5	14.9	15.5	1C,1O	B		0	4	15.7
3896	RI	II-III	(78)	16.2:	17.4:	17.9:	1C	D		1	5	17.2
3897	I	II	63	15.2:	15.8	16.6	1C			1	5	16.8
3898	I	III	46	15.9	16.3	17.1	1C			0	5	17.2
3899	R:	II-III	37:	15.4	16.6	17.8	1O	B		0	5	17.2
3900	I	II-III	35	17.0	18.0	19.1	1O			0	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3901	22 38.6 -38 03	22 41.5 -37 47	3.32	-60.77	F406	-101	-161	265	3
3902	22 39.0 -42 52	22 41.9 -42 36	353.95	-59.53	F290	-130	114	294	278
3903	22 41.7 -30 19	22 44.5 -30 03	19.35	-62.07	F468	54	-12	110	152
3904	22 41.8 -43 48	22 44.7 -43 32	351.87	-59.67	F290	-101	65	265	229
3905	22 41.9 -55 53	22 45.0 -55 37	332.81	-53.54	F190	63	-50	101	114
3906	22 41.9 -61 02	22 45.1 -60 46	326.48	-50.19	F147	-42	-53	206	111
3907	22 42.1 -63 04	22 45.4 -62 48	324.20	-48.79	F109	-15	106	179	270
3908	22 42.6 -45 18	22 45.5 -45 02	349.05	-59.20	F290	-91	-15	255	149
3909	22 42.8 -44 33	22 45.7 -44 17	350.37	-59.54	F290	-91	25	255	189
3910	22 43.0 -46 15	22 45.9 -45 59	347.33	-58.86	F290	-93	-69	257	95
3911	22 43.1 -52 59	22 46.1 -52 43	336.64	-55.42	F190	77	106	87	270
3912	22 43.6 -36 21	22 46.4 -36 05	6.42	-62.06	F406	-52	-69	216	95
3913	22 44.1 -84 38	22 50.3 -84 22	306.28	-31.95	F002	-95	5	259	169
3914	22 44.3 -60 37	22 47.5 -60 21	326.64	-50.69	F147	-28	-30	192	134
3915	22 44.6 -52 19	22 47.6 -52 03	337.37	-55.99	F190	92	141	72	305
3916	22 44.7 -72 11	22 48.3 -71 55	315.30	-42.13	F076	49	-117	115	47
3917	22 45.5 -32 00	22 48.3 -31 44	15.71	-62.88	F468	98	-104	66	60
3918	22 46.0 -28 50	22 48.8 -28 34	22.67	-62.92	F469	-168	63	332	227
3919	22 46.1 -59 56	22 49.3 -59 40	327.19	-51.32	F147	-16	5	180	169
3920	22 46.2 -41 11	22 49.1 -40 55	356.27	-61.35	F346	-120	-64	284	100
3921	22 46.5 -64 39	22 49.8 -64 23	322.03	-47.99	F109	10	22	154	186
3922	22 46.7 -52 02	22 49.7 -51 46	337.46	-56.41	F239	-110	-109	274	55
3923	22 46.8 -61 11	22 50.0 -60 55	325.67	-50.51	F147	-11	-62	175	102
3924	22 48.7 -62 37	22 51.9 -62 21	323.86	-49.64	F147	1	-138	163	26
3925	22 48.9 -46 51	22 51.8 -46 35	345.37	-59.48	F290	-31	-98	195	66
3926	22 49.0 -33 39	22 51.8 -33 23	11.96	-63.51	F406	7	73	157	237
3927	22 49.4 -60 50	22 52.6 -60 34	325.71	-50.98	F147	4	-42	160	122
3928	22 49.5 -33 51	22 52.3 -33 35	11.49	-63.60	F406	13	64	151	228
3929	22 49.6 -32 32	22 52.4 -32 16	14.44	-63.73	F468	141	-133	23	31
3930	22 49.8 -31 26	22 52.6 -31 10	16.92	-63.81	F468	145	-74	19	90
3931	22 50.1 -71 49	22 53.6 -71 33	315.16	-42.67	F077	-142	-109	306	55
3932	22 50.4 -73 15	22 54.0 -72 59	313.99	-41.53	F049	-62	94	226	258
3933	22 50.6 -34 46	22 53.4 -34 30	9.37	-63.71	F406	25	15	139	179
3934	22 50.8 -33 59	22 53.6 -33 43	11.12	-63.85	F406	27	56	137	220
3935	22 51.1 -62 23	22 54.3 -62 07	323.79	-50.00	F147	15	-125	149	39
3936	22 51.2 -35 11	22 54.0 -34 55	8.40	-63.77	F406	32	-8	132	156
3937	22 51.4 -46 37	22 54.3 -46 21	345.36	-59.97	F290	-8	-85	172	79
3938	22 52.0 -55 51	22 55.0 -55 34	331.31	-54.66	F191	-108	-46	272	118
3939	22 52.0 -58 28	22 55.1 -58 11	328.06	-52.88	F147	23	83	141	247
3940	22 52.3 -60 38	22 55.4 -60 21	325.52	-51.37	F147	25	-32	139	132
3941	22 52.8 -61 13	22 55.9 -60 56	324.81	-50.99	F147	24	-64	140	100
3942	22 53.4 -74 25	22 57.1 -74 08	312.87	-40.70	F049	-47	32	211	196
3943	22 53.5 -28 40	22 56.2 -28 23	23.32	-64.54	F469	-81	74	245	238
3944	22 53.6 -40 17	22 56.4 -40 00	357.10	-62.97	F346	-46	-15	210	149
3945	22 54.8 -39 22	22 57.6 -39 05	358.86	-63.48	F346	-35	36	199	200
3946	22 54.9 -56 38	22 57.9 -56 21	329.85	-54.43	F190	157	-95	7	69
3947	22 55.1 -59 01	22 58.2 -58 44	326.94	-52.78	F147	42	53	122	217
3948	22 55.9 -26 57	22 58.6 -26 40	27.45	-64.90	F535	-123	-105	287	59
3949	22 56.1 -20 15	22 58.8 -19 58	42.37	-63.28	F604	-127	-12	291	152
3950	22 56.9 -56 30	22 59.9 -56 13	329.69	-54.72	F191	-70	-79	234	85

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3901	RI:	II-III	74:	18.1	18.6	19.3	3C	B		1	6	17.4
3902	RI:	II-III	33	16.3:	16.7:	18.5	1O,1A	B		0	6	17.3
3903	I:	III	95	18.2	18.4	19.0	1C			2	6	17.3
3904	I	III	79	16.8	18.1	18.8	1O			1	6	17.3
3905	R?	II-III:	67	17.4	18.1	19.1	1C			1	6	17.4
3906	I	III	67	17.2	17.6	18.0	1C			1	6	17.3
3907	R	III	46	16.7?	16.5?	17.4?	2C	BD		0	5	17.1
3908	I	III	41	15.9:	16.5:	17.7	1O,1A	D		0	5	17.2
3909	I	II-III	50	16.2	18.0	19.2	1O			1	6	17.4
3910	I	II-III	47	15.6	16.7	17.5	1A	D		0	5	17.2
3911	RI:	II-III	58	15.0:	16.3:	17.1:	3C	DR	(0.0381)	1	5	17.1
3912	IR:	II:	41	14.2	14.5	15.6	2C	B		0	4	15.8
3913	R	II-III?	67:	17.4	17.9	18.5:	2O	Q		1	5	17.2
3914	I	II-III	57	17.9	18.4	19.3	1C			1	6	17.4
3915	IR:	II-III	55	15.7:	16.2:	17.1:	3C			1	5	17.0
3916	IR	I-II	39:	15.8	16.5	17.5:	1O,1C	D		0	5	17.2
3917	I	III	56	18.3:	18.6	19.3:	3C			1	6	17.4
3918	IR	I-II	39	16.0	17.8	18.6	1O			0	6	17.3
3919	I	III	64	17.6	18.0	18.9	1C			1	6	17.3
3920	R	I-II	68	15.9?	17.4?	18.3	1C			1	6	17.3
3921	R:	II	93:	14.5	16.0	16.7	1C	BD		2	5	16.9
3922	R	II-III	51	15.9:	16.5:	17.5:	4C	BDR		1	5	17.2
3923	I	III	58	16.7	17.1	18.0	1C			1	6	17.3
3924	R	II	38	18.0	18.1	18.8	1C			0	6	17.3
3925	I	II	38	14.9:	15.2:	16.2:	1O,1A	DR	0.0516	0	4	16.4
3926	R	III	171	17.6	18.0	18.8	2C	B		3	6	17.3
3927	R:	III	91	17.6	17.9	18.5	1C			2	6	17.3
3928	I	III:	63:	16.9	17.5	18.1	2C			1	6	17.3
3929	I	III?	65	18.2	18.5	19.1	1C			1	6	17.4
3930	I	II:	76	17.3:	18.1	18.9	1C			1	6	17.3
3931	I	II-III	113	16.7	16.8	17.5	1C	D		2	5	17.2
3932	I	II-III	32	15.9	16.1	17.6	1O			0	5	17.2
3933	IR:	III	64	17.5:	18.0:	19.0	2C			1	6	17.4
3934	R	II?	113	17.8	18.5	19.3	2C		0.224	2	6	17.4
3935	R	II-III	58	16.7	17.1	17.8	1C	D		1	5	17.2
3936	I	III	95:	17.3	17.5	18.0	2C	B		2	5	17.2
3937	R	III	129	17.5:	18.2	19.3	1O,1A			2	6	17.4
3938	RI:	II?	92	17.0?	17.8	18.3	2C			2	6	17.3
3939	I	III	88	16.7	16.9	17.5	1C	D		2	5	17.2
3940	R	III	105	17.6	17.9?	18.2:	1C			2	6	17.3
3941	I	II-III?	43	17.2	17.9	18.3	1C			0	6	17.3
3942	I	I-II	46	15.9	17.8	18.9	1O			0	6	17.3
3943	RI	I-II	60	18.0	18.4	19.3	1O			1	6	17.4
3944	IR	I-II:	50	15.9:	17.2	18.3	1C			1	6	17.3
3945	I	I?	40	17.4?	18.9	19.4	1C			0	6	17.4
3946	R:	III	64	17.7	17.9	18.9	1C			1	6	17.3
3947	R	II	92	16.5	17.2	18.0	1C			2	6	17.3
3948	RI	I-II	42:	17.7	18.7	19.3	3O	R		0	6	17.4
3949	I	III	43	17.3	17.6	18.9	1C			0	6	17.3
3950	I	III	88	18.0	18.1	18.4	1C	B		2	6	17.3

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
3951	22 57.0 -18 54	22 59.7 -18 37	45.31	-62.96	F604	-118	60	282	224
3952	22 57.3 -46 03	23 00.2 -45 46	345.33	-61.13	F290	47	-55	117	109
3953	22 57.4 -45 35	23 00.3 -45 18	346.15	-61.38	F290	47	-30	117	134
3954	22 57.9 -61 20	23 01.0 -61 03	323.96	-51.32	F147	60	-70	104	94
3955	22 58.0 -43 35	23 00.8 -43 18	349.78	-62.43	F290	55	77	109	241
3956	22 58.4 -43 56	23 01.2 -43 39	349.04	-62.33	F290	59	58	105	222
3957	22 59.1 -60 27	23 02.2 -60 10	324.74	-52.07	F147	70	-23	94	141
3958	22 59.6 -29 28	23 02.3 -29 11	21.58	-65.92	F469	-8	31	172	195
3959	22 59.7 -33 40	23 02.4 -33 23	11.33	-65.72	F407	-142	69	306	233
3960	23 00.1 -35 12	23 02.9 -34 55	7.62	-65.56	F407	-134	-11	298	153
3961	23 00.3 -38 07	23 03.1 -37 50	0.85	-64.88	F346	22	103	142	267
3962	23 00.6 -39 26	23 03.4 -39 09	357.88	-64.52	F346	23	33	141	197
3963	23 01.0 -44 35	23 03.8 -44 18	347.32	-62.43	F290	82	22	82	186
3964	23 01.7 -20 11	23 04.4 -19 54	43.59	-64.48	F604	-56	-9	220	155
3965	23 02.5 -53 18	23 05.4 -53 01	332.90	-57.49	F191	-31	93	195	257
3966	23 02.6 -60 23	23 05.6 -60 06	324.28	-52.41	F147	93	-20	71	144
3967	23 02.6 -60 55	23 05.6 -60 38	323.71	-52.00	F148	-155	-54	319	110
3968	23 02.8 -39 23	23 05.6 -39 06	357.65	-64.94	F346	47	36	117	200
3969	23 02.8 -44 25	23 05.6 -44 08	347.29	-62.79	F290	101	32	63	196
3970	23 03.0 -45 29	23 05.8 -45 12	345.27	-62.28	F290	101	-26	63	138
3971	23 03.0 -60 58	23 06.0 -60 41	323.60	-52.00	F147	101	-55	63	109
3972	23 03.1 -44 38	23 05.9 -44 21	346.83	-62.73	F290	103	19	61	183
3973	23 04.8 -56 02	23 07.7 -55 45	328.91	-55.82	F191	-12	-54	176	110
3974	23 04.9 -67 45	23 08.1 -67 28	317.03	-46.72	F077	-100	118	264	282
3975	23 05.0 -58 57	23 08.0 -58 40	325.46	-53.69	F147	113	55	51	219
3976	23 05.4 -61 08	23 08.4 -60 51	323.06	-52.05	F148	-142	-62	306	102
3977	23 07.3 -40 42	23 10.1 -40 25	353.98	-65.23	F346	93	-35	71	129
3978	23 08.7 -29 04	23 11.4 -28 47	22.76	-67.89	F470	-172	47	336	211
3979	23 10.2 -68 15	23 13.3 -67 58	316.03	-46.58	F077	-71	92	235	256
3980	23 10.3 -28 38	23 13.0 -28 21	23.95	-68.22	F469	118	74	46	238
3981	23 10.6 -58 42	23 13.5 -58 25	324.79	-54.35	F147	153	66	11	230
3982	23 11.4 -67 52	23 14.5 -67 35	316.19	-46.96	F077	-68	112	232	276
3983	23 11.5 -63 19	23 14.5 -63 02	320.04	-50.74	F110	-103	89	267	253
3984	23 12.6 -38 04	23 15.3 -37 47	359.03	-67.19	F347	-122	98	286	262
3985	23 13.3 -23 36	23 16.0 -23 19	37.63	-68.11	F535	88	74	76	238
3986	23 13.8 -74 57	23 17.2 -74 40	310.98	-40.95	F049	25	4	139	168
3987	23 14.0 -48 33	23 16.8 -48 16	337.60	-61.99	F239	120	79	44	243
3988	23 14.2 -73 52	23 17.5 -73 35	311.64	-41.91	F049	29	62	135	226
3989	23 15.4 -35 57	23 18.1 -35 40	3.86	-68.40	F407	33	-45	131	119
3990	23 15.7 -68 03	23 18.8 -67 46	315.55	-47.02	F077	-45	104	209	268
3991	23 16.0 -57 42	23 18.9 -57 25	324.92	-55.58	F148	-75	125	239	289
3992	23 17.2 -73 34	23 20.4 -73 17	311.58	-42.27	F049	41	78	123	242
3993	23 17.3 -52 24	23 20.1 -52 07	331.12	-59.71	F239	141	-128	23	36
3994	23 18.1 -66 17	23 21.1 -66 00	316.61	-48.65	F110	-57	-67	221	97
3995	23 18.5 -69 58	23 21.6 -69 41	313.84	-45.49	F077	-28	2	192	166
3996	23 18.7 -22 23	23 21.3 -22 06	41.79	-68.95	F604	155	-126	9	38
3997	23 18.7 -24 27	23 21.3 -24 10	36.18	-69.51	F536	-115	29	279	193
3998	23 18.9 -42 10	23 21.6 -41 53	348.32	-66.46	F291	-13	153	177	317
3999	23 20.0 -52 04	23 22.8 -51 47	330.97	-60.24	F240	-86	-109	250	55
4000	23 20.3 -40 55	23 23.0 -40 38	350.72	-67.32	F347	-39	-48	203	116

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
3951	I	II-III	67	16.7	17.3	17.8	1C			1	5	17.2
3952	IR	II-III	49	16.1	16.7	17.8	1O			0	5	17.2
3953	I	III	39	17.8	18.6	18.9	1O			0	6	17.3
3954	R	III	91	17.3	17.6	18.2	1C			2	6	17.3
3955	RI:	III	38	17.7	18.7	19.0	1O,1A			0	6	17.4
3956	I	III	30:	15.7	16.0	17.3	1O	DR		0	5	17.2
3957	R	I-II	56	18.4?	18.8	19.4	1C			1	6	17.4
3958	RI	I-II	37	17.3	17.8	19.1	1O			0	6	17.4
3959	I	II-III	69	16.2?	16.4?	17.4:	3C	B		1	5	17.2
3960	RI:	III	73	17.5	17.7	18.5:	3C	B		1	6	17.3
3961	R	II	60	17.9	18.7	19.4	1C			1	6	17.4
3962	RI	III	89	18.0	18.3	19.3	1C			2	6	17.4
3963	RI:	III	40	14.9	16.0	16.8	1O,1A	R	0.0890	0	5	17.0
3964	I	II-III	42	15.8	16.6	18.1	1C			0	6	17.3
3965	R	III	35	17.3	17.7	19.2	1C			0	6	17.4
3966	R	II	43	16.3	16.7	17.7	1C			0	5	17.2
3967	R	III	65	17.9	18.0	18.3	1C	B		1	6	17.3
3968	I	III	94	17.6	17.8	18.6	1C			2	6	17.3
3969	I	III	55	16.0:	16.6	17.0	1O,1A	DR	0.0699	1	5	17.2
3970	IR	III	60	16.0:	16.5	17.3	2O,1A	DQR		1	5	17.2
3971	R	II-III	136	16.7	17.4	18.0	1C			3	6	17.3
3972	R	II-III	64	16.0:	16.8	17.4	2O,1A	QR		1	5	17.2
3973	R	I-II	65	17.6	18.0	19.1	1C			1	6	17.4
3974	RI?	II?	35	17.8	18.6	19.5	2C			0	6	17.4
3975	I	II-III?	67	17.7	17.9	18.5	1C	D		1	6	17.3
3976	R	II	73	17.2	18.1	18.7	1C	D		1	6	17.3
3977	I	II	61	17.4?	18.1	19.0	1C			1	6	17.3
3978	RI	II-III	58:	16.9	17.7	18.3	2O			1	6	17.3
3979	I	III	55	18.5	19.0:	19.3	1C			1	6	17.4
3980	RI	I-II	36	17.8	18.6	19.3	2O	B		0	6	17.4
3981	R	II-III	62	18.4	18.7	19.4	1C			1	6	17.4
3982	R	I-II	64	15.5	16.3	17.8	1C			1	5	17.2
3983	R	II	74	17.4	18.0	18.6	1C	B		1	6	17.3
3984	IR:	II-III	114	17.2	17.6	18.3	3C	B		2	6	17.3
3985	R	I-II	36	14.2*	16.0	16.8	1O			0	5	17.0
3986	IR	I-II	30	15.6	16.5	17.8	2O	D		0	5	17.2
3987	R	II-III	50	15.0:	15.7:	17.3	1C	D		1	5	17.2
3988	I	II-III	41	16.5	17.2	18.0	1O			0	6	17.3
3989	R	II?	65	17.6	18.5	19.3	1C	B		1	6	17.4
3990	R	II-III	98	17.7	18.3	19.0	2C	B	(0.0286)	2	6	17.4
3991	RI	III	49	17.4	17.7	18.1	1C	BD		0	6	17.3
3992	IR	II	31	15.0	15.4	16.5	1O			0	5	16.7
3993	I	III	30	18.3:	18.7:	19.2	1C			0	6	17.4
3994	RI	II-III?	66	17.7?	18.1	19.3:	1C			1	6	17.4
3995	R	II	103	17.2	17.9	18.8	1C	B		2	6	17.3
3996	I	III	59	17.5	18.0	18.4	1C			1	6	17.3
3997	I	II-III	39	16.6	17.4	18.1	1O			0	6	17.3
3998	RI	I	40	15.4	16.3	17.7	1O			0	5	17.2
3999	IR:	III	52:	16.3	16.8	18.0	1O,1C	B		1	5	17.2
4000	R	I-II	46	17.4	18.1	19.2:	1C	B		0	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
4001	23 20.5 -61 44	23 23.4 -61 27	320.10	-52.64	F148	-39	-90	203	74
4002	23 21.9 -65 37	23 24.9 -65 20	316.63	-49.42	F110	-39	-30	203	134
4003	23 22.1 -23 23	23 24.7 -23 06	39.73	-69.99	F536	-74	87	238	251
4004	23 22.1 -37 14	23 24.8 -36 57	359.27	-69.24	F347	-22	147	186	311
4005	23 23.5 -53 37	23 26.3 -53 20	328.16	-59.42	F192	-127	74	291	238
4006	23 24.7 -62 41	23 27.6 -62 24	318.59	-52.10	F110	-25	126	189	290
4007	23 25.6 -69 12	23 28.6 -68 55	313.58	-46.45	F077	-35	6	199	170
4008	23 27.6 -39 36	23 30.3 -39 19	351.94	-69.18	F347	30	22	134	186
4009	23 27.9 -29 33	23 30.5 -29 16	21.33	-72.07	F470	54	25	110	189
4010	23 28.5 -36 47	23 31.2 -36 30	359.05	-70.60	F408	-82	-96	246	68
4011	23 29.0 -34 43	23 31.7 -34 26	4.90	-71.41	F408	-78	15	242	179
4012	23 29.1 -34 06	23 31.8 -33 49	6.74	-71.61	F408	-78	49	242	213
4013	23 29.2 -35 33	23 31.9 -35 16	2.40	-71.18	F408	-75	-29	239	135
4014	23 29.8 -25 46	23 32.4 -25 29	33.76	-72.24	F536	20	-41	144	123
4015	23 29.8 -37 43	23 32.5 -37 26	356.19	-70.44	F347	58	124	106	288
4016	23 32.0 -69 36	23 34.9 -69 19	312.59	-46.34	F077	28	24	136	188
4017	23 32.2 -66 39	23 35.1 -66 22	314.47	-49.01	F110	17	-86	147	78
4018	23 32.7 -52 35	23 35.4 -52 18	327.25	-61.08	F240	17	-137	147	27
4019	23 33.6 -58 12	23 36.4 -57 55	320.97	-56.50	F148	47	99	117	263
4020	23 35.0 -69 34	23 37.9 -69 17	312.27	-46.48	F077	47	26	117	190
4021	23 35.5 -38 23	23 38.2 -38 06	352.79	-71.12	F347	116	86	48	250
4022	23 35.7 -51 08	23 38.4 -50 51	328.32	-62.52	F240	43	-59	121	105
4023	23 36.5 -85 29	23 40.3 -85 12	304.66	-31.68	F002	-26	-27	190	137
4024	23 37.0 -69 46	23 39.8 -69 29	311.92	-46.37	F077	56	12	108	176
4025	23 37.1 -49 55	23 39.8 -49 38	329.57	-63.62	F240	57	5	107	169
4026	23 38.3 -37 48	23 40.9 -37 31	353.52	-71.89	F348	-124	115	288	279
4027	23 39.0 -56 15	23 41.7 -55 58	321.68	-58.55	F192	-3	-65	167	99
4028	23 40.5 -64 04	23 43.2 -63 47	315.00	-51.71	F110	67	52	97	216
4029	23 41.0 -38 33	23 43.6 -38 16	350.56	-71.95	F348	-94	76	258	240
4030	23 42.5 -50 36	23 45.2 -50 19	327.10	-63.58	F240	102	-32	62	132
4031	23 42.8 -24 46	23 45.4 -24 29	39.32	-74.92	F537	-90	14	254	178
4032	23 43.6 -20 04	23 46.2 -19 47	55.63	-73.35	F606	-57	-2	221	162
4033	23 43.6 -64 42	23 46.3 -64 25	314.09	-51.27	F078	-97	14	261	178
4034	23 44.0 -52 35	23 46.7 -52 18	324.28	-62.06	F192	37	132	127	296
4035	23 44.1 -33 53	23 46.7 -33 36	4.09	-74.63	F408	89	59	75	223
4036	23 44.5 -63 03	23 47.2 -62 46	315.03	-52.82	F078	-98	102	262	266
4037	23 44.6 -28 36	23 47.2 -28 19	24.42	-75.74	F471	-20	79	184	243
4038	23 45.1 -28 25	23 47.7 -28 08	25.16	-75.86	F471	-16	89	180	253
4039	23 45.6 -36 33	23 48.2 -36 16	354.74	-73.77	F408	102	-83	62	81
4040	23 45.6 -68 04	23 48.3 -67 47	311.82	-48.24	F077	102	102	62	266
4041	23 46.1 -29 04	23 48.7 -28 47	22.45	-76.06	F409	-167	50	331	214
4042	23 46.2 -32 03	23 48.8 -31 46	10.38	-75.61	F471	-2	-106	166	58
4043	23 46.3 -31 34	23 48.9 -31 17	12.25	-75.75	F409	-160	-85	324	79
4044	23 46.8 -27 16	23 49.4 -26 59	29.97	-76.19	F409	-163	147	327	311
4045	23 47.7 -19 28	23 50.3 -19 11	59.20	-73.88	F606	-5	31	169	195
4046	23 47.8 -41 51	23 50.4 -41 34	339.92	-70.90	F348	-23	-97	187	67
4047	23 47.9 -68 43	23 50.6 -68 26	311.18	-47.70	F050	-62	69	226	233
4048	23 48.2 -38 42	23 50.8 -38 25	347.47	-73.01	F348	-19	70	183	234
4049	23 49.0 -28 39	23 51.6 -28 22	24.11	-76.71	F471	31	77	133	241
4050	23 49.5 -67 57	23 52.2 -67 40	311.37	-48.48	F077	122	107	42	271

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
4001	R	II-III	79	17.5	17.9	18.8	1C			1	6	17.3
4002	I	III	59	17.9	18.3	18.9	1C			1	6	17.3
4003	R	II	49	17.3	18.0	19.0	1O			0	6	17.3
4004	I	III	39	17.8:	18.1	19.0	1C			0	6	17.3
4005	IR	III	91?	17.9	17.9	18.7	1O,1C	BQ		2	6	17.3
4006	I	II-III:	86	17.7	18.1	19.0	2C			2	6	17.4
4007	I	III	100	14.8?	16.7:	17.7:	1C			2	5	17.2
4008	I	I	66	13.8	16.3	16.7	1C	O		1	5	16.9
4009	R:	I	36	16.7	17.3	17.6	1O	B		0	5	17.2
4010	R	I-II	67	14.8?	16.1	16.7	1C	B		1	5	16.9
4011	I	II-III?	95	16.7?	17.2	18.2	1C	B		2	6	17.3
4012	I	II-III	35	17.7	18.4	19.2	1C			0	6	17.4
4013	RI	III	51	17.6?	18.1	18.9	1C			1	6	17.3
4014	I	II	35	16.1	16.8	17.6	1O			0	5	17.2
4015	IR:	II-III	36	16.8?	17.1:	18.4:	2C	B		0	6	17.3
4016	I	III	34	15.2	15.4	16.4	1C			0	5	16.6
4017	I	II-III	65	18.6	19.0	19.6	1C			1	6	17.4
4018	I	II-III	42	16.2	16.6	17.5	2O	QR		0	5	17.2
4019	I	III	60	17.8	18.0?	18.9	1C			1	6	17.3
4020	I	II-III	51	16.0	16.7:	18.0	1C	O		1	6	17.3
4021	I	II-III	52	15.4	16.3	17.2	1C			1	5	17.2
4022	I	II-III	45	17.0	17.3	18.6	1O			0	6	17.3
4023	I	III	46	17.8	18.6	19.2	2O	Q		0	6	17.3
4024	I	II-III	68	18.0	18.1	19.3	1C			1	6	17.4
4025	I	II	33	16.7	17.2	18.2	1O			0	6	17.3
4026	I	II-III	45	15.2	15.8:	16.4?	3C	B		0	5	16.6
4027	R:	III	33	18.0	18.3	19.4	1O	Q		0	6	17.4
4028	RI:	III	68:	16.3	17.0	18.1	1C,1O	B		1	6	17.3
4029	RI	III	43	15.8	16.1	17.7	1C			0	5	17.2
4030	I	II-III	44	17.4?	18.1	19.2	1O			0	6	17.4
4031	R	I	55	17.5	18.0	19.2	1O			1	6	17.4
4032	RI	I-II	40	16.8	18.0	18.1	1O			0	6	17.3
4033	I	III	41	17.8	18.1	19.3	1O			0	6	17.4
4034	I	I	67	17.1	17.5	18.7	1O	D		1	6	17.3
4035	I	II-III?	83	16.7?	17.6	18.9	1C			2	6	17.3
4036	RI	III	61	17.5?	17.8	19.0	1O,2C	B		1	6	17.4
4037	I	III	118	17.9	18.0	18.7	1C			2	6	17.3
4038	RI?	III	117	12.6	13.4	14.0	1C,1O	BKO	0.0283	2	2	14.2
4039	R:	II:	63	17.5:	18.0	19.0	2C	B		1	6	17.4
4040	R:	II-III	56	18.7	19.2	19.6	1C			1	6	17.4
4041	R	I	72	17.2	18.9	19.0	1O			1	6	17.3
4042	R	II	35	18.7	19.0	19.6	1C			0	6	17.4
4043	I	I-II	53	17.2	18.0	19.1	1O	B		1	6	17.4
4044	I	III	40	17.2	17.3	17.7	2O,1C			0	5	17.2
4045	RI	I	53	15.7	16.8	17.5	1O			1	5	17.2
4046	I	III	50	17.6	18.0	19.2	1C			1	6	17.4
4047	R	III	55:	17.7	18.3:	19.2	1O,1C	B		1	6	17.4
4048	R	II?	85	16.7	17.6	18.5	1C			2	6	17.3
4049	R	III	39	12.5	13.8	14.8:	1C,1O	d	0.0283	0	3	15.0
4050	RI:	II	88	17.7	18.2:	19.5	2C			2	6	17.4

TABLE 4—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
4051	23 50.9 -63 01	23 53.5 -62 44	313.94	-53.14	F078	-59	106	223	270
4052	23 51.4 -79 16	23 54.1 -78 59	306.37	-37.76	F012	-23	42	187	206
4053	23 52.2 -27 57	23 54.8 -27 40	27.21	-77.42	F471	68	113	96	277
4054	23 52.6 -28 49	23 55.2 -28 32	23.21	-77.49	F471	74	67	90	231
4055	23 52.8 -21 28	23 55.4 -21 11	54.85	-75.91	F538	-90	-76	254	88
4056	23 53.4 -37 34	23 56.0 -37 17	348.50	-74.51	F348	35	131	129	295
4057	23 53.8 -79 42	23 56.5 -79 25	306.08	-37.37	F012	-16	19	180	183
4058	23 54.0 -36 54	23 56.6 -36 37	350.28	-75.00	F349	-66	-101	230	63
4059	23 54.1 -34 57	23 56.7 -34 40	356.84	-76.06	F349	-64	3	228	167
4060	23 54.5 -69 45	23 57.1 -69 28	309.86	-46.92	F050	-28	15	192	179
4061	23 54.6 -23 49	23 57.2 -23 32	46.27	-77.23	F472	-70	64	234	228
4062	23 55.1 -65 30	23 57.7 -65 13	311.83	-50.97	F078	-31	-26	195	138
4063	23 55.7 -28 01	23 58.3 -27 44	26.92	-78.19	F409	-55	109	219	273
4064	23 56.0 -60 16	23 58.6 -59 59	314.71	-55.92	F111	-29	-13	193	151
4065	23 56.2 -21 32	23 58.8 -21 15	56.18	-76.64	F538	-50	-80	214	84
4066	23 56.3 -71 47	23 58.9 -71 30	308.79	-45.02	F077	132	-101	32	63
4067	23 56.4 -60 57	23 59.0 -60 40	314.20	-55.30	F111	-27	-48	191	116
4068	23 57.2 -39 45	23 59.8 -39 28	340.71	-73.64	F348	74	13	90	177
4069	23 57.5 -21 40	00 00.0 -21 23	56.30	-76.97	F538	-34	-89	198	75
4070	23 57.7 -30 39	00 00.3 -30 22	13.79	-78.33	F409	-30	-33	194	131
4071	23 57.8 -28 23	00 00.4 -28 06	25.06	-78.65	F409	-30	89	194	253
4072	23 58.1 -21 23	00 00.7 -21 06	57.70	-76.95	F538	-26	-74	190	90
4073	23 58.1 -46 50	00 00.7 -46 33	326.88	-68.14	F241	-18	-98	182	66
4074	23 58.2 -36 41	00 00.8 -36 24	348.99	-75.81	F349	-21	-87	185	77
4075	23 58.5 -47 01	00 01.1 -46 44	326.47	-68.02	F241	-16	-107	180	57
4076	23 59.2 -48 31	00 01.8 -48 14	324.25	-66.78	F193	-7	80	171	244

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
4051	IR	I-II	36	15.4	16.3	17.8	1O			0	5	17.2
4052	IR	II-III	39	15.2*	17.5	18.1	1O			0	5	17.2
4053	R	III	64?	15.0:	15.6	16.6	1C,3O	B		1	5	16.8
4054	RI	III	73:	17.0	17.3	18.2:	1C,1O	B		1	5	17.2
4055	I	II?	60	16.7?	17.6	18.8	1C			1	6	17.3
4056	RI?	II-III:	43	17.3	17.6	18.5	2C	BD		0	6	17.3
4057	IR	II-III	38	16.5	17.4	18.0	1O			0	5	17.2
4058	IR:	III	55:	17.5	17.4:	18.4	2C,1O	B		1	6	17.3
4059	R	I	66	12.0?	14.4	15.3	1C		0.0456	1	3	15.5
4060	IR	III	54	15.9*	17.3	18.6	1O			1	6	17.3
4061	I	III	40	18.4	18.7	19.1	1O			0	6	17.4
4062	R	II-III	38	16.7	18.3	19.1	1O			0	6	17.4
4063	IR	III	61	17.9:	18.3	18.9	1O,1C			1	6	17.3
4064	I	I-II	38	17.0	17.5	18.1	1C			0	6	17.3
4065	R	III	64:	17.5	18.0	18.5	1C,1O			1	6	17.3
4066	I	II-III	39	15.6	16.5	17.6	1C			0	5	17.2
4067	R	III	72	15.9	16.3:	16.9	1C	BDR		1	5	17.1
4068	RI	III	45	14.8?	15.3	16.7	1C	D		0	5	16.9
4069	I	II-III	59	16.8	17.3	18.7	1O			1	6	17.3
4070	I	II	52	16.8	17.5	18.0	1O	B		1	6	17.3
4071	RI:	III	115	18.7	18.9	19.6	1O,1C			2	6	17.4
4072	I	II-III	45	16.0	17.5	18.6	1O			0	6	17.3
4073	IR	II:	45	17.5	18.0	19.1	1C			0	6	17.4
4074	RI	III	60	15.7	16.3?	17.1	1C	B		1	5	17.2
4075	R	III	40	17.9	18.3	19.0	1C,1O			0	6	17.4
4076	I	II-III	64	17.2	17.8	18.7	1C			1	6	17.3

TABLE 5

SUPPLEMENTARY SOUTHERN CLUSTERS

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0001	00 00.0 -30 54	00 02.6 -30 37	11.97	-78.75	F409	-4	-46	168	118
S0002	00 00.2 -30 12	00 02.8 -29 55	15.44	-78.95	F409	-2	-9	166	155
S0003	00 00.6 -28 10	00 03.2 -27 53	26.10	-79.27	F409	3	100	161	264
S0004	00 01.3 -70 16	00 03.8 -69 59	308.83	-46.59	F050	3	-13	161	151
S0005	00 02.1 -45 54	00 04.6 -45 37	326.59	-69.30	F292	130	-50	34	114
S0006	00 02.2 -30 46	00 04.8 -30 29	11.99	-79.24	F409	21	-39	143	125
S0007	00 02.6 -17 03	00 05.2 -16 46	74.61	-75.10	F538	31	160	133	324
S0008	00 04.4 -67 57	00 06.9 -67 40	309.35	-48.90	F050	19	112	145	276
S0009	00 04.6 -44 39	00 07.1 -44 22	327.36	-70.60	F292	157	16	7	180
S0010	00 06.0 -29 17	00 08.5 -29 00	19.22	-80.36	F409	66	40	98	204
S0011	00 06.0 -39 54	00 08.5 -39 37	335.74	-74.65	F293	59	8	105	172
S0012	00 06.8 -35 38	00 09.3 -35 21	347.87	-77.82	F349	71	-29	93	135
S0013	00 08.4 -51 29	00 10.9 -51 12	317.90	-64.73	F193	68	-80	96	84
S0014	00 09.6 -51 36	00 12.1 -51 19	317.40	-64.69	F193	77	-87	87	77
S0015	00 10.2 -17 30	00 12.7 -17 13	78.88	-76.66	F539	-140	136	304	300
S0016	00 10.3 -52 05	00 12.8 -51 48	316.77	-64.27	F149	81	156	83	320
S0017	00 11.2 -38 02	00 13.7 -37 45	337.33	-76.74	F293	116	107	48	271
S0018	00 11.8 -65 27	00 14.2 -65 10	309.20	-51.50	F078	62	-24	102	140
S0019	00 13.1 -68 07	00 15.5 -67 50	308.09	-48.93	F050	63	99	101	263
S0020	00 14.1 -70 00	00 16.5 -69 43	307.38	-47.10	F050	61	-1	103	163
S0021	00 14.1 -84 21	00 15.9 -84 04	304.03	-32.98	F002	18	35	146	199
S0022	00 14.8 -43 58	00 17.3 -43 41	323.34	-72.06	F241	44	56	120	220
S0023	00 15.6 -64 38	00 18.0 -64 21	308.86	-52.39	F078	86	18	78	182
S0024	00 15.8 -68 27	00 18.2 -68 10	307.61	-48.65	F050	75	80	89	244
S0025	00 16.5 -64 34	00 18.9 -64 17	308.73	-52.47	F078	91	22	73	186
S0026	00 16.6 -20 44	00 19.1 -20 27	73.32	-80.05	F539	-57	-37	221	127
S0027	00 16.7 -69 43	00 19.0 -69 26	307.14	-47.42	F050	75	13	89	177
S0028	00 16.9 -17 28	00 19.4 -17 11	84.64	-77.61	F539	-54	138	218	302
S0029	00 17.1 -67 40	00 19.4 -67 23	307.66	-49.44	F050	85	122	79	286
S0030	00 17.7 -81 06	00 19.7 -80 49	304.50	-36.21	F012	35	-57	129	107
S0031	00 18.1 -67 57	00 20.4 -67 40	307.44	-49.18	F050	89	106	75	270
S0032	00 19.6 -39 49	00 22.1 -39 32	327.28	-76.17	F294	-67	11	231	175
S0033	00 20.0 -65 56	00 22.3 -65 39	307.72	-51.20	F078	106	-53	58	111
S0034	00 20.0 -67 21	00 22.3 -67 04	307.33	-49.81	F050	101	137	63	301
S0035	00 20.3 -39 25	00 22.8 -39 08	327.58	-76.59	F294	-60	32	224	196
S0036	00 21.2 -39 09	00 23.7 -38 52	327.47	-76.90	F294	-51	47	215	211
S0037	00 21.2 -42 32	00 23.7 -42 15	321.70	-73.85	F294	-50	-134	214	30
S0038	00 21.3 -38 32	00 23.8 -38 15	328.74	-77.45	F294	-50	80	214	244
S0039	00 21.5 -20 27	00 24.0 -20 10	79.44	-80.63	F539	4	-22	160	142
S0040	00 22.4 -37 02	00 24.9 -36 45	331.57	-78.85	F294	-39	160	203	324
S0041	00 23.0 -33 18	00 25.5 -33 01	344.96	-81.86	F350	-14	91	178	255
S0042	00 23.2 -65 00	00 25.5 -64 43	307.45	-52.18	F079	-120	-4	284	160
S0043	00 23.3 -19 29	00 25.8 -19 12	85.00	-80.13	F539	27	30	137	194
S0044	00 23.3 -27 40	00 25.8 -27 23	28.85	-84.30	F410	0	127	164	291
S0045	00 23.3 -57 15	00 25.7 -56 58	309.92	-59.80	F150	-73	-121	237	43
S0046	00 23.6 -37 38	00 26.1 -37 21	328.97	-78.46	F294	-25	128	189	292
S0047	00 24.0 -51 54	00 26.4 -51 37	312.17	-65.05	F150	-76	166	240	330
S0048	00 24.2 -54 13	00 26.6 -53 56	310.95	-62.80	F150	-71	43	235	207
S0049	00 24.4 -53 38	00 26.8 -53 21	311.16	-63.38	F150	-70	74	234	238
S0050	00 24.8 -47 06	00 27.2 -46 49	314.96	-69.74	F194	-49	156	213	320

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0001	I	I	-8:	13.4	15.0	16.9	1O			0	5	17.1
S0002	RI	I-II	11:	14.5	14.7	15.9	1O	B		0	4	16.1
S0003	I	I	11	14.5	15.3	16.8	1O			0	5	17.0
S0004	IR	I-II	-8	15.4	15.9	17.7	1O	D		0	5	17.2
S0005	I	II	-7:	13.9	14.6	16.0	1O		0.0395	0	4	16.2
S0006	I	I	7:	12.9	14.2	15.4	1O		0.0270	0	3	15.6
S0007	I	I?	78	18.0:	19.1	20.3	1C			1	6	17.5
S0008	I	I	-18?	14.8	15.9	17.0	2O	D		0	5	17.1
S0009	IR	I-II	-12	14.5	15.1	16.0	1O			0	4	16.2
S0010	R	I	28	15.9	18.6	19.5	1O			0	6	17.4
S0011	RI	I-II	-11	19.2	19.3	19.5	1O			0	6	17.4
S0012	IR	II-III?	3	13.6:	14.0:	15.1	1C	BO		0	3	15.3
S0013	I	III	(53)	18.7?	19.1	20.1	1C			1	6	17.4
S0014	R	III:	(70)	19.3	19.6	20.2	1C			1	6	17.5
S0015	IR	II-III	11	16.1	16.7	16.8	1O			0	5	17.0
S0016	I	III	(113)	19.4	20.0	20.6	1C			2	6	17.5
S0017	IR	II	-23	15.6	15.9	18.0	1O	BD		0	6	17.3
S0018	I	II-III	19	16.5	17.7	18.3	1O			0	6	17.3
S0019	I	II	17	15.4	16.1	17.7	1O	D		0	5	17.2
S0020	IR	II	28	16.8	17.5	18.2	1O	D		0	6	17.3
S0021	I	II	-8	14.3	15.1	16.0	1O	Q		0	4	16.1
S0022	RI	III?	79	18.5	18.8	20.2	1C			1	6	17.5
S0023	I	III	-9	18.7	19.1	19.4	1O			0	6	17.4
S0024	I	III	12	16.7*	18.8	19.3	1O			0	6	17.4
S0025	I	III	2	18.1	18.8	19.3	2O			0	6	17.4
S0026	RI	II-III	85	18.9	19.2	19.7	1O			2	6	17.4
S0027	IR	II	19	16.0	17.8	18.1	1O	DQ		0	6	17.3
S0028	I	II	3	14.6	14.7	15.6	1O			0	4	15.8
S0029	I	II	-8	15.4	15.5	16.5	1O			0	5	16.7
S0030	RI:	II	-20?	15.4	16.0	16.8	2O			0	5	16.8
S0031	IR	III	1	17.6	18.9	19.3	1O			0	6	17.4
S0032	I	III	14	15.4*	18.4	18.6	1O			0	6	17.3
S0033	I	II-III	11	16.9	17.6	18.0	2O			0	6	17.3
S0034	R	III	-16	18.9	19.1	19.6	1O	B		0	6	17.4
S0035	IR	II	12	15.4	15.6	16.4	1O	D		0	5	16.6
S0036	I	II-III	29	15.6*	17.4	18.1	1O			0	6	17.3
S0037	RI	I-II	-1	13.9	15.0	15.9	2O	D		0	4	16.2
S0038	I	I-II	16	15.6	16.1	18.1	1O			0	6	17.3
S0039	R	III	52	18.4	19.4	19.7	1O			1	6	17.4
S0040	IR	I-II	21	17.2	17.8	18.6	1O			0	6	17.3
S0041	RI	II	26	13.6?	14.4	15.3	1C	O	0.0498	0	3	15.5
S0042	I	I-II	26	15.4	17.5	18.1	2O			0	6	17.3
S0043	I	II	18	15.4	16.1	18.0	1O			0	6	17.3
S0044	I:	II:	54	18.7	18.9	19.9	1C			1	6	17.4
S0045	I	II	20	14.6?	15.3?	16.7?	1O,1C	DR	(0.0241)	0	4	16.4
S0046	I	III	9	15.1*	16.0	16.9	1O			0	5	17.1
S0047	I	II	6:	15.4	15.7	17.1	1O	DR		0	5	17.2
S0048	IR	II-III	29	15.9?	17.4	18.1	1O			0	6	17.3
S0049	I	II	-43	15.4	15.8	17.1	1O	R		0	5	17.2
S0050	IR	III:	(78)	18.8:	19.3	20.4	1C			1	6	17.5

TABLE 5—*Continued*

Abell	RA (1950)	Dec	RA (2000)	Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0051	00 25.3	-36 59	00 27.8	-36 42	329.09	-79.19	F294	-7	163	171	327
S0052	00 25.3	-54 28	00 27.7	-54 11	310.50	-62.59	F150	-62	29	226	193
S0053	00 25.4	-44 32	00 27.8	-44 15	316.90	-72.23	F242	-29	28	193	192
S0054	00 25.9	-52 10	00 28.3	-51 53	311.36	-64.86	F194	-37	-114	201	50
S0055	00 25.9	-52 16	00 28.3	-51 59	311.31	-64.76	F150	-60	148	224	312
S0056	00 26.0	-63 27	00 28.3	-63 10	307.35	-53.76	F079	-113	79	277	243
S0057	00 26.0	-65 58	00 28.3	-65 41	306.75	-51.27	F079	-98	-55	262	109
S0058	00 26.1	-69 18	00 28.3	-69 01	306.03	-47.97	F050	120	31	44	195
S0059	00 28.2	-47 48	00 30.6	-47 31	312.88	-69.20	F242	-2	-147	166	17
S0060	00 32.0	-18 53	00 34.5	-18 36	97.49	-80.63	F540	-128	62	292	226
S0061	00 32.0	-39 24	00 34.4	-39 07	318.34	-77.49	F294	61	32	103	196
S0062	00 32.5	-47 36	00 34.9	-47 19	310.99	-69.54	F194	20	129	144	293
S0063	00 33.5	-52 28	00 35.8	-52 11	308.55	-64.77	F150	2	137	162	301
S0064	00 36.7	-39 08	00 39.1	-38 51	314.54	-77.99	F295	-160	44	324	208
S0065	00 38.2	-62 40	00 40.4	-62 23	305.15	-54.69	F079	-38	126	202	290
S0066	00 38.5	-53 53	00 40.8	-53 36	306.47	-63.45	F150	42	60	122	224
S0067	00 38.6	-44 46	00 41.0	-44 29	309.16	-72.51	F243	-166	10	330	174
S0068	00 38.7	-28 07	00 41.2	-27 50	14.95	-87.61	F474	-65	-167	229	-3
S0069	00 39.1	-38 10	00 41.5	-37 53	313.29	-79.04	F295	-137	97	301	261
S0070	00 39.6	-28 19	00 42.1	-28 02	8.66	-87.73	F411	-77	92	241	256
S0071	00 41.0	-38 30	00 43.4	-38 13	311.07	-78.77	F295	-117	80	281	244
S0072	00 41.4	-34 12	00 43.8	-33 55	316.03	-83.01	F351	-75	46	239	210
S0073	00 41.8	-39 38	00 44.2	-39 21	309.52	-77.68	F295	-107	19	271	183
S0074	00 43.4	-50 13	00 45.7	-49 56	305.32	-67.16	F195	-147	-13	311	151
S0075	00 43.6	-69 06	00 45.6	-68 49	303.73	-48.29	F051	-44	50	208	214
S0076	00 44.3	-55 54	00 46.5	-55 37	304.39	-61.49	F150	83	-49	81	115
S0077	00 44.5	-55 01	00 46.7	-54 44	304.40	-62.37	F150	86	-2	78	162
S0078	00 45.2	-48 31	00 47.5	-48 14	304.75	-68.87	F195	-136	79	300	243
S0079	00 45.3	-64 48	00 47.4	-64 31	303.66	-52.60	F079	5	11	159	175
S0080	00 45.9	-58 41	00 48.1	-58 24	303.78	-58.71	F112	49	72	115	236
S0081	00 46.0	-49 23	00 48.3	-49 06	304.31	-68.01	F195	-126	33	290	197
S0082	00 46.2	-65 11	00 48.3	-64 54	303.49	-52.21	F079	10	-10	154	154
S0083	00 46.5	-34 31	00 48.9	-34 14	307.16	-82.86	F351	-19	29	183	193
S0084	00 46.9	-29 48	00 49.3	-29 31	313.75	-87.56	F411	8	13	156	177
S0085	00 47.6	-47 39	00 49.9	-47 22	303.69	-69.75	F195	-116	126	280	290
S0086	00 47.7	-48 05	00 50.0	-47 48	303.62	-69.32	F195	-115	103	279	267
S0087	00 48.7	-55 26	00 50.9	-55 09	303.10	-61.97	F150	117	-26	47	138
S0088	00 49.4	-34 12	00 51.8	-33 55	302.31	-83.20	F351	15	46	149	210
S0089	00 49.8	-37 48	00 52.2	-37 31	302.13	-79.60	F295	-25	118	189	282
S0090	00 50.5	-39 14	00 52.9	-38 57	301.59	-78.16	F295	-16	42	180	206
S0091	00 50.9	-25 18	00 53.3	-25 01	134.57	-87.86	F474	81	-15	83	149
S0092	00 51.1	-48 26	00 53.4	-48 09	302.04	-68.96	F195	-84	85	248	249
S0093	00 51.1	-57 41	00 53.3	-57 24	302.45	-59.71	F150	127	-148	37	16
S0094	00 51.6	-59 32	00 53.7	-59 15	302.39	-57.86	F112	87	24	77	188
S0095	00 51.7	-55 48	00 53.9	-55 31	302.21	-61.60	F150	139	-47	25	117
S0096	00 52.5	-46 56	00 54.8	-46 39	301.22	-70.45	F195	-73	166	237	330
S0097	00 52.5	-66 08	00 54.5	-65 51	302.44	-51.26	F079	43	-61	121	103
S0098	00 52.6	-20 04	00 55.1	-19 47	129.60	-82.62	F541	-134	-3	298	161
S0099	00 52.9	-49 43	00 55.2	-49 26	301.35	-67.67	F195	-66	17	230	181
S0100	00 53.3	-29 05	00 55.7	-28 48	273.90	-88.07	F411	83	50	81	214

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0051	RI	I	26:	14.6	16.3	16.8	1O			0	5	17.0
S0052	IR	II	26	15.6	16.8	17.5	1O	D		0	5	17.2
S0053	I	II-III	1	16.1	18.3	18.6	1O			0	6	17.3
S0054	I	III	48	18.8	19.1	19.9	1C			0	6	17.4
S0055	I	I-II	-40:	15.3	15.9	17.5	1O	R		0	5	17.2
S0056	I	II	12	14.6	15.4	16.7	2O	BD		0	5	16.9
S0057	I	II-III	20	16.5	17.5	18.3	2O			0	6	17.3
S0058	IR	I-II	1	14.9	15.6	16.5	2O	D		0	5	16.7
S0059	IR	I-II	4	15.3	15.6	16.8	1O	D		0	5	17.0
S0060	R:	II-III	73	19.2	19.5	20.2	1C			1	6	17.5
S0061	IR	II-III	21	15.4	15.7	17.6	1O	D		0	5	17.2
S0062	I	II?	(71)	18.8:	19.4	20.1	1C	B		1	6	17.4
S0063	I	II	-44	15.3*	15.8	17.0	1O	DR	(0.0417)	0	5	17.2
S0064	I	I-II	10	14.1	15.4	16.6	1O			0	5	16.8
S0065	IR	II-III	11	17.0	18.0	18.6	1O	DQ		0	6	17.3
S0066	I	II	15	15.0	15.7	16.6	1O	DR		0	5	16.8
S0067	RI	II-III:	(93)	19.6	20.0	21.0	1C			2	6	17.5
S0068	R	II-III:	100	18.5:	19.3	20.0	1C,1O			2	6	17.4
S0069	I	I	-5:	13.4	15.0	16.8	1O			0	5	17.0
S0070	I	II-III	15:	15.3	15.9	17.3	1O			0	5	17.2
S0071	RI	I-II	19	18.0:	18.7	19.3	1O			0	6	17.4
S0072	IR	II-III	65	18.6	18.9	19.7	1O			1	6	17.4
S0073	IR	I-II	21	15.5	16.8	17.5	1O			0	5	17.2
S0074	I	II	21:	15.0	15.3	15.7	1O		0.0283	0	4	15.9
S0075	IR	III	26	17.3	17.8	18.1	1O	D		0	6	17.3
S0076	IR	I-II	19	16.8:	18.8	19.3	1O			0	6	17.4
S0077	RI	I	29	15.1	15.4	16.8	1O	BR		0	5	17.0
S0078	R	I	-4	13.9	15.1	15.9	1O	D		0	4	16.1
S0079	I	II	16	15.3	15.9	17.5	1O			0	5	17.2
S0080	I	III	28	17.1	17.2	17.8	1C	D		0	5	17.2
S0081	IR	II-III	26	15.6	16.1	16.7	1O			0	5	16.9
S0082	I:	II	-11	13.8	15.1	16.5	1O			0	5	16.7
S0083	I	II	12	15.4	15.7	17.0	1O			0	5	17.2
S0084	RI	I	11	15.7?	17.0	17.4	1O	B	0.11	0	5	17.2
S0085	I	II	-6	13.5	15.3?	16.0	1O		(0.0196)	0	4	16.2
S0086	RI	II	4	15.1:	15.7	16.4	1O			0	5	16.6
S0087	I	II-III	2	17.3	18.9	19.1	1O			0	6	17.4
S0088	I	II-III	9	15.4	16.0	17.5	1O			0	5	17.2
S0089	I	II-III	18	13.0*	16.0	17.3	1O			0	5	17.2
S0090	RI	II-III	25	17.1	18.1	18.6	1O			0	6	17.3
S0091	R	II-III	68	19.1	19.5	20.1	1C			1	6	17.4
S0092	IR	II-III	27:	15.1	15.4	16.2	1O			0	4	16.4
S0093	IR	I-II	17	16.5	18.0	18.6	1O	D		0	6	17.3
S0094	R:	II-III:	43	19.2	19.5	20.0	1C	Q		0	6	17.4
S0095	I	II-III	4	18.0	18.2	18.6	1O			0	6	17.3
S0096	I	II	2:	14.3:	15.5	16.4	1O			0	5	16.6
S0097	I	I-II	23	14.5	15.4	16.9	1O	D		0	5	17.1
S0098	I	II	25	15.9	17.0	18.0	1O			0	6	17.3
S0099	I	II-III	3	15.4	15.6	16.7	1O			0	5	16.9
S0100	I	II	-28	15.3	15.8	17.5	1O			0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0101	00 53.3 -50 12	00 55.5 -49 55	301.23	-67.19	F195	-62	-9	226	155
S0102	00 53.4 -37 41	00 55.8 -37 24	298.15	-79.68	F295	14	125	150	289
S0103	00 53.4 -85 01	00 53.1 -84 44	302.89	-32.38	F002	60	-9	104	155
S0104	00 53.6 -79 50	00 54.7 -79 33	302.75	-37.56	F013	-87	4	251	168
S0105	00 54.0 -29 22	00 56.4 -29 05	274.09	-87.75	F411	91	35	73	199
S0106	00 54.2 -38 11	00 56.6 -37 54	297.57	-79.16	F295	22	98	142	262
S0107	00 54.3 -84 09	00 54.4 -83 52	302.85	-33.25	F002	74	35	90	199
S0108	00 54.9 -29 43	00 57.3 -29 26	274.14	-87.35	F411	101	15	63	179
S0109	00 54.9 -31 12	00 57.3 -30 55	284.66	-85.99	F411	99	-64	65	100
S0110	00 55.3 -52 32	00 57.5 -52 15	300.75	-64.84	F195	-42	-134	206	30
S0111	00 56.0 -44 01	00 58.3 -43 44	298.62	-73.32	F243	-2	55	166	219
S0112	00 56.5 -67 05	00 58.4 -66 48	301.86	-50.30	F079	62	-113	102	51
S0113	00 58.3 -40 30	01 00.6 -40 13	295.27	-76.76	F295	63	-27	101	137
S0114	00 59.1 -29 35	01 01.5 -29 18	258.14	-86.89	F412	-118	23	282	187
S0115	00 59.5 -49 59	01 01.7 -49 42	298.63	-67.33	F195	-9	3	173	167
S0116	00 59.5 -52 08	01 01.7 -51 51	299.17	-65.19	F195	-8	-112	172	52
S0117	00 59.6 -48 02	01 01.8 -47 45	298.00	-69.26	F195	-8	108	172	272
S0118	01 00.4 -17 23	01 02.9 -17 06	138.31	-79.64	F541	-35	141	199	305
S0119	01 00.6 -29 28	01 03.0 -29 11	252.71	-86.72	F412	-101	30	265	194
S0120	01 01.5 -43 09	01 03.8 -42 52	294.69	-74.05	F295	91	-170	73	-6
S0121	01 01.7 -42 50	01 04.0 -42 33	294.35	-74.35	F243	53	118	111	282
S0122	01 03.3 -41 56	01 05.6 -41 39	292.56	-75.18	F295	111	-105	53	59
S0123	01 03.4 -38 41	01 05.7 -38 24	288.99	-78.32	F295	118	69	46	233
S0124	01 03.8 -49 30	01 06.0 -49 13	296.66	-67.72	F195	29	29	135	193
S0125	01 04.2 -51 10	01 06.4 -50 53	297.13	-66.06	F195	31	-61	133	103
S0126	01 04.7 -57 52	01 06.8 -57 35	298.91	-59.41	F113	-83	114	247	278
S0127	01 05.6 -40 18	01 07.9 -40 01	289.18	-76.65	F295	137	-19	27	145
S0128	01 05.6 -81 17	01 06.1 -81 00	302.23	-36.09	F013	-52	-71	216	93
S0129	01 06.6 -49 22	01 08.8 -49 06	295.42	-67.77	F195	53	35	111	199
S0130	01 06.9 -49 43	01 09.1 -49 27	295.46	-67.42	F195	56	17	108	181
S0131	01 07.4 -67 59	01 09.2 -67 43	300.36	-49.32	F051	73	107	91	271
S0132	01 08.0 -51 25	01 10.1 -51 09	295.79	-65.72	F195	62	-75	102	89
S0133	01 08.5 -31 01	01 10.9 -30 45	254.54	-84.42	F412	-8	-52	172	112
S0134	01 08.7 -27 43	01 11.1 -27 27	218.29	-85.62	F412	-6	124	170	288
S0135	01 08.7 -48 09	01 10.9 -47 53	293.85	-68.90	F195	74	101	90	265
S0136	01 09.5 -30 00	01 11.9 -29 44	244.26	-84.81	F412	3	1	161	165
S0137	01 09.9 -61 48	01 11.8 -61 32	298.66	-55.42	F113	-42	-95	206	69
S0138	01 10.5 -19 16	01 12.9 -19 00	155.37	-80.49	F541	93	38	71	202
S0139	01 11.1 -30 20	01 13.5 -30 04	245.55	-84.34	F412	21	-16	143	148
S0140	01 11.3 -52 39	01 13.4 -52 23	295.17	-64.41	F195	88	-141	76	23
S0141	01 11.4 -32 01	01 13.7 -31 45	257.87	-83.30	F412	25	-107	139	57
S0142	01 12.1 -47 51	01 14.3 -47 35	292.12	-69.06	F195	105	115	59	279
S0143	01 13.7 -62 32	01 15.6 -62 16	298.09	-54.63	F080	-92	132	256	296
S0144	01 15.5 -38 19	01 17.8 -38 03	277.74	-77.76	F296	-30	93	194	257
S0145	01 15.6 -54 26	01 17.7 -54 10	294.61	-62.53	F151	71	29	93	193
S0146	01 15.7 -30 34	01 18.0 -30 18	243.07	-83.36	F412	74	-29	90	135
S0147	01 16.0 -51 51	01 18.1 -51 35	293.10	-65.03	F196	-118	-100	282	64
S0148	01 16.7 -54 18	01 18.7 -54 02	294.21	-62.63	F151	80	35	84	199
S0149	01 18.0 -48 53	01 20.1 -48 37	290.32	-67.80	F195	155	58	9	222
S0150	01 18.4 -47 35	01 20.5 -47 19	289.07	-69.01	F196	-105	129	269	293

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0101	IR	II	26:	13.8	14.5	15.6	1O			0	4	15.8
S0102	IR	II	29:	14.5	15.0	16.3?	2O			0	4	16.4
S0103	IR	II-III	19	15.7	16.2	17.7	2O	Q		0	5	17.1
S0104	I	I-II	25	16.1	16.5	18.0	1O			0	5	17.2
S0105	I	II	-59	15.4	15.8	16.8	1O			0	5	17.0
S0106	RI	II-III	-34	15.3	15.9	16.8	1O			0	5	17.0
S0107	I	I-II	-9	13.0	15.4	16.1	2O	Q		0	4	16.2
S0108	I	I-II	29	15.3	16.3	17.8	1O			0	5	17.2
S0109	I	I-II	-4	13.8	14.7	15.8	1O	B	0.0316	0	4	16.0
S0110	IR	III	20	15.7	17.0	17.7	1O	D		0	5	17.2
S0111	I	III	45	18.9	19.2	19.7	1C			0	6	17.4
S0112	RI:	II	16	14.6	15.2	16.1	3O	BDQ	(0.0321)	0	4	16.3
S0113	RI	I-II	12	12.9	14.6	16.1	1O		0.0545	0	4	16.3
S0114	I	I	-5	17.1	19.1	19.4	1O			0	6	17.4
S0115	R:	I	-24	13.8	15.8	16.7	1O			0	5	16.9
S0116	I	II	25	12.6	14.6	15.6	1O			0	4	15.8
S0117	IR	III	18	16.6	18.9	19.2	1O			0	6	17.4
S0118	RI	II-III	-42	15.1	15.9	16.1	1O			0	4	16.3
S0119	RI	I-II	39	19.2	19.3	19.8	1O	B		0	6	17.4
S0120	RI	I-II	-17*	14.0	14.6	15.4	1O			0	3	15.6
S0121	I	II:	(98)	19.4	20.0	20.6	1C			2	6	17.5
S0122	RI	I-II	-35	15.1	15.8	17.3	1O			0	5	17.2
S0123	I	III	27	15.4	19.0	19.5	1O			0	6	17.4
S0124	I	II-III	-4	15.2	15.4	17.1	1O			0	5	17.2
S0125	IR	I-II	13:	15.4:	15.6	16.4	1O			0	5	16.6
S0126	I	III	4	18.1	18.9	19.3	1O			0	6	17.4
S0127	I	I-II	-13	15.4	15.9	18.0	1O			0	6	17.3
S0128	IR	I-II	0	14.8	15.4	16.7	1O			0	5	16.8
S0129	I	II	6	15.1	15.3	16.8	1O			0	5	17.0
S0130	IR	II-III	17	15.4	16.0	17.8	1O			0	5	17.2
S0131	I	I-II	-17	15.4	15.6	15.9	1O	BD		0	4	16.1
S0132	IR	I-II	20	16.9	18.8	19.2	1O			0	6	17.4
S0133	I	II	10	15.4	16.0	17.5	1O			0	5	17.2
S0134	I	II-III	26	16.1	16.8	17.7	1O			0	5	17.2
S0135	I	III	26	18.0	18.6	19.3	1O			0	6	17.4
S0136	R	I-II	-7	18.0	19.1	19.4	1O			0	6	17.4
S0137	IR	I	-13	13.2	14.6	15.4	1O		0.0263	0	3	15.6
S0138	I:	II	-3	14.7	15.1	15.8	1O			0	4	16.0
S0139	I	I-II	-2	18.0	19.1	19.4	1O			0	6	17.4
S0140	I	II-III	28	15.4*	16.8	17.4	1O			0	5	17.2
S0141	I	I	12	11.9	13.7	15.4	1O	BKR	(0.0206)	0	3	15.6
S0142	I	II	13	15.1	15.6	16.8	1O	D		0	5	17.0
S0143	I	II	16	15.1?	16.1	17.8	1O	D		0	5	17.2
S0144	RI	II	26:	15.1	15.4	16.8	1O			0	5	17.0
S0145	RI	II-III	(71)	19.1	19.4	20.1	1C	B		1	6	17.4
S0146	I	III	15	18.3	18.6	19.1	1O			0	6	17.4
S0147	I	III:	(60)	19.2	19.6	20.4	1C			1	6	17.5
S0148	R	III	(56)	18.8	19.2	19.9	1C			1	6	17.4
S0149	IR	III	20	17.8	18.7	18.9	1O			0	6	17.3
S0150	I	II:	54	18.1?	18.8	19.8	1C			1	6	17.4

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0151	01 18.7 -30 43	01 21.0 -30 27	241.85	-82.71	F412	109	-38	55	126
S0152	01 18.8 -51 53	01 20.9 -51 37	292.14	-64.88	F196	-94	-101	258	63
S0153	01 18.9 -59 49	01 20.8 -59 33	296.08	-57.18	F113	17	11	147	175
S0154	01 20.3 -28 48	01 22.7 -28 32	226.30	-82.96	F413	-140	64	304	228
S0155	01 22.4 -46 10	01 24.6 -45 54	285.82	-70.11	F244	-19	-61	183	103
S0156	01 23.5 -39 44	01 25.7 -39 28	275.08	-75.74	F296	52	16	112	180
S0157	01 23.9 -59 58	01 25.8 -59 42	295.02	-56.89	F113	50	2	114	166
S0158	01 25.0 -81 21	01 24.9 -81 05	301.34	-35.93	F013	-12	-72	176	92
S0159	01 27.0 -27 17	01 29.3 -27 01	214.40	-81.56	F413	-61	146	225	310
S0160	01 27.9 -33 10	01 30.2 -32 54	249.87	-79.82	F353	-92	99	256	263
S0161	01 28.5 -58 25	01 30.4 -58 09	293.19	-58.23	F113	85	84	79	248
S0162	01 29.7 -51 36	01 31.7 -51 20	288.18	-64.61	F196	-4	-85	168	79
S0163	01 30.2 -42 22	01 32.4 -42 06	276.40	-72.84	F296	117	-126	47	38
S0164	01 31.4 -68 02	01 32.9 -67 46	297.00	-48.87	F052	-64	106	228	270
S0165	01 31.6 -32 47	01 33.9 -32 31	245.90	-79.34	F353	-51	120	215	284
S0166	01 32.1 -31 51	01 34.4 -31 35	241.02	-79.64	F413	-1	-99	165	65
S0167	01 32.1 -33 05	01 34.4 -32 49	247.05	-79.10	F353	-45	104	209	268
S0168	01 32.2 -28 01	01 34.5 -27 45	219.20	-80.42	F413	0	107	164	271
S0169	01 32.6 -64 30	01 34.2 -64 14	295.37	-52.25	F080	22	28	142	192
S0170	01 32.7 -57 16	01 34.6 -57 00	291.48	-59.15	F113	119	144	45	308
S0171	01 33.7 -69 21	01 35.1 -69 05	297.20	-47.54	F052	-51	35	215	199
S0172	01 34.2 -68 55	01 35.6 -68 39	296.97	-47.95	F052	-49	59	213	223
S0173	01 34.7 -47 56	01 36.8 -47 40	282.61	-67.62	F244	90	-158	74	6
S0174	01 34.8 -27 31	01 37.1 -27 15	216.31	-79.84	F413	32	134	132	298
S0175	01 35.1 -20 12	01 37.5 -19 56	181.13	-77.24	F543	-126	-7	290	157
S0176	01 35.6 -73 50	01 36.6 -73 34	298.59	-43.17	F029	108	57	56	221
S0177	01 37.7 -27 58	01 40.0 -27 42	218.84	-79.21	F413	66	109	98	273
S0178	01 38.1 -17 47	01 40.5 -17 31	175.21	-75.15	F543	-90	123	254	287
S0179	01 39.3 -17 20	01 41.7 -17 04	174.69	-74.64	F543	-75	147	239	311
S0180	01 39.9 -42 22	01 42.0 -42 06	271.61	-71.80	F297	-45	-129	209	35
S0181	01 40.5 -20 06	01 42.9 -19 50	183.96	-76.15	F543	-59	-1	223	163
S0182	01 41.2 -36 37	01 43.4 -36 21	256.13	-75.62	F353	54	-86	110	78
S0183	01 41.2 -62 31	01 42.8 -62 15	292.83	-53.84	F080	79	131	85	295
S0184	01 41.4 -58 41	01 43.2 -58 25	290.37	-57.42	F114	-90	69	254	233
S0185	01 41.7 -61 55	01 43.4 -61 39	292.39	-54.39	F114	-81	-103	245	61
S0186	01 42.0 -35 33	01 44.2 -35 17	252.14	-76.09	F353	63	-29	101	135
S0187	01 42.9 -49 24	01 44.9 -49 08	281.40	-65.68	F197	-154	31	318	195
S0188	01 43.3 -56 42	01 45.1 -56 26	288.46	-59.14	F152	27	-88	137	76
S0189	01 43.5 -29 06	01 45.8 -28 51	224.27	-77.89	F413	134	48	30	212
S0190	01 44.1 -18 27	01 46.5 -18 12	180.67	-74.49	F543	-12	87	176	251
S0191	01 44.1 -73 12	01 45.0 -72 57	297.55	-43.61	F030	-110	92	274	256
S0192	01 44.8 -37 03	01 47.0 -36 48	255.85	-74.79	F353	91	-110	73	54
S0193	01 44.9 -28 43	01 47.2 -28 28	222.37	-77.60	F414	-120	70	284	234
S0194	01 46.4 -63 07	01 48.0 -62 52	292.26	-53.07	F080	107	98	57	262
S0195	01 46.6 -56 07	01 48.4 -55 52	287.16	-59.48	F152	53	-58	111	106
S0196	01 46.6 -62 17	01 48.2 -62 02	291.70	-53.84	F114	-50	-121	214	43
S0197	01 47.8 -33 04	01 50.0 -32 49	240.65	-76.11	F353	131	103	33	267
S0198	01 49.2 -69 41	01 50.4 -69 26	295.44	-46.82	F052	22	17	142	181
S0199	01 49.5 -17 02	01 51.9 -16 47	179.58	-72.61	F543	57	163	107	327
S0200	01 49.9 -19 47	01 52.3 -19 32	187.61	-74.12	F543	59	15	105	179

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0151	I	I-II	21	14.6	17.0	17.5	2O	B		0	5	17.2
S0152	I	III	58	18.8	19.3	20.2	1C			1	6	17.5
S0153	I	II	3	15.1?	15.7	17.1	1O			0	5	17.2
S0154	R	I-II	-10	18.6	19.3	19.4	1O			0	6	17.4
S0155	I	III	70	18.8	19.2	19.7	1C			1	6	17.4
S0156	I	I-II	25	15.3	15.4	16.8	1O			0	5	17.0
S0157	I	III	4	18.1	18.9	19.4	1O			0	6	17.4
S0158	RI	I-II	-44	15.1	15.8	16.7	1O			0	5	16.8
S0159	I	III	21	16.5	16.6	16.9	1O			0	5	17.1
S0160	RI	I	-47	15.3	15.9	16.8	1O			0	5	17.0
S0161	I	II	17	15.6	16.0	17.8	1O			0	5	17.2
S0162	RI	III	22	14.4	14.7	15.6	1C	DOR		0	4	15.8
S0163	I	II	23	15.3	15.6	16.4	1O			0	5	16.6
S0164	I	I-II	-18	14.7	15.4	16.1	1O			0	4	16.3
S0165	I	II-III	12	16.1	16.6	16.8	1O			0	5	17.0
S0166	RI	II	3	15.4	15.9	16.5	1O	B		0	5	16.7
S0167	RI	I	23	14.5	16.1	17.3	1O			0	5	17.2
S0168	I	I-II	15:	15.4	16.1	17.5	1O			0	5	17.2
S0169	I	II	-39	15.4	15.8	17.1	1O	BD		0	5	17.2
S0170	I	II	12	15.6	16.8	17.3	2O			0	5	17.2
S0171	I	II-III	20	15.5	16.8	17.1	1O			0	5	17.2
S0172	I	II	7	15.4	16.1	17.0	1O			0	5	17.2
S0173	R	II?	54	18.1	18.8	19.7	1C	D		1	6	17.4
S0174	I	III	2	17.5	19.1	19.3	1O			0	6	17.4
S0175	I	III	50	19.2	19.3	19.8	1O			1	6	17.4
S0176	I	II	-16	14.9	15.6	16.2	2O	DQ		0	4	16.4
S0177	R:	I-II	-9	18.0:	19.2	19.3	1O			0	6	17.4
S0178	IR	III	66	18.7	19.1	19.8	1O			1	6	17.4
S0179	I	III	46	18.0?	19.1	19.7	1O			0	6	17.4
S0180	RI	III	20	14.7	15.5	16.6	2C,1O	O		0	5	16.7
S0181	I	III	14	18.6	19.3	19.4	1O			0	6	17.4
S0182	I	II	5	14.5	15.3	16.6	1O		(0.0175)	0	5	16.8
S0183	I	II-III	27	15.5	17.1:	17.7	2O			0	5	17.2
S0184	RI	I-II	-28	16.1	17.0	17.5	1O			0	5	17.2
S0185	I	II	-68	15.1	15.8	16.8	1O	D		0	5	17.0
S0186	RI	II	9	15.3	15.4	16.0	1O			0	4	16.2
S0187	IR	I-II	8	16.4	18.4	18.6	1O	D		0	6	17.3
S0188	RI	III:	(103)	19.6	20.0	20.8	1C			2	6	17.5
S0189	I	II-III	-22?	15.4	16.0	16.8	2O			0	5	17.1
S0190	I	III	21	18.9	19.2	19.5	1O			0	6	17.4
S0191	I	II	4	15.4	15.6	16.3	2O	DQ		0	4	16.4
S0192	R	III	13	15.3	15.5	17.4	1O,1C			0	5	17.2
S0193	RI:	III	5	18.4	19.0	19.2	2O			0	6	17.4
S0194	I	I-II	25	15.2	16.3	17.3	3O			0	5	17.1
S0195	I	I?	(53)	17.9	19.3	20.1	1C			1	6	17.4
S0196	IR	II	5:	15.7	17.0	17.5	3O	D		0	5	17.2
S0197	IR	III	-19	19.1	19.3	19.5	1O			0	6	17.4
S0198	I	III	9	16.4	16.8	17.4	1O			0	5	17.2
S0199	I	I-II	-11?	15.1	15.4	17.1	1O			0	5	17.2
S0200	I	III	1	17.4	19.1	19.5	1O			0	6	17.4

TABLE 5—*Continued*

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0201	I	III	-59	15.1	15.8	16.7	1O			0	5	16.9
S0202	IR	II	16	15.6	16.0	16.8	1O			0	5	17.0
S0203	R	II-III	28	17.0	17.4	17.7	1C	B		0	5	17.2
S0204	IR	III	12	18.0	18.9	19.1	1O	BQ		0	6	17.4
S0205	I	III	7	17.6	18.1	18.6	1O			0	6	17.3
S0206	I	II	22	17.4	18.4	19.4:	1C			0	6	17.4
S0207	I	III	34	19.5	19.7	19.9	1O			0	6	17.4
S0208	IR	III	8	17.1	18.4	18.6	1O			0	6	17.3
S0209	IR	I-II	26:	15.9	17.4	18.0	1O			0	5	17.2
S0210	RI	I	-89	14.2	15.9	16.1	1O	BD		0	4	16.3
S0211	I	II	0	15.3	16.0	16.8	2O			0	5	16.9
S0212	I	II	10	15.4	16.5	17.1	1O	D		0	5	17.2
S0213	R	I-II	26	18.1	18.9	19.4	1O			0	6	17.4
S0214	I	II	24	14.9?	16.1	17.2	1O			0	5	17.2
S0215	I	II	-10:	14.5	15.3	16.1	1O			0	4	16.3
S0216	I	II-III	28:	16.0	17.5	18.0	1O	B		0	6	17.3
S0217	I	I-II	13:	15.3:	15.6:	16.0:	1O	s		0	4	16.2
S0218	RI	I-II	-7	15.5	15.9	17.4	1O	BDQ		0	5	17.2
S0219	I	I-II	14	17.3	17.8	18.7	1C			0	6	17.3
S0220	I:	II-III	112	19.1	19.5	20.0	1C			2	6	17.4
S0221	IR	III	21	16.7	17.4	18.3	2O			0	6	17.3
S0222	I	III	23	18.1	18.8	19.2	1O	BDQ	0.1716	0	6	17.4
S0223	RI	I-II	-8	14.2	15.4	16.8	1O			0	5	17.0
S0224	IR	II:	26	16.3	17.5	18.3	2O			0	6	17.3
S0225	IR	I-II	-10	14.7	15.5	16.1	1O			0	4	16.3
S0226	IR	III	41	18.2	19.4	19.8	1O			0	6	17.4
S0227	I	III:	8	17.6	18.3	18.7	1C			0	6	17.3
S0228	I	II	-32	15.4	15.8	17.9	1O			0	5	17.2
S0229	I	II-III	23	15.1*	18.1	18.3	1O			0	6	17.3
S0230	I	II-III	10	15.5	15.7	16.0	1O	D	(0.2197)	0	4	16.2
S0231	I	II-III	7	17.5?	18.7	19.4	1O			0	6	17.4
S0232	I	III	9	16.0*	19.1	19.3	1O			0	6	17.4
S0233	I	II-III:	17	17.6	18.0?	18.7	1C			0	6	17.3
S0234	RI:	III	26	16.0	18.5:	19.3	2O	BQ		0	6	17.4
S0235	RI?	I	(104)	17.9:	19.2	20.1:	2C			2	6	17.4
S0236	IR	I-II	26	14.9	15.4	16.5	2O	DQ		0	5	16.7
S0237	I	III	120	18.5?	18.9	19.8	1C			2	6	17.4
S0238	I	II-III	29	18.1	18.8	19.5	1O			0	6	17.4
S0239	RI	I	20	14.8	15.6	16.4	2O	DQ	0.0635	0	5	16.5
S0240	I:	III	14	17.5	18.6	18.8	1O			0	5	17.2
S0241	IR	I-II	5	14.6	15.3	16.7	1O	BD		0	5	16.9
S0242	I	III	58	18.1	19.0	19.8	1O			1	6	17.4
S0[illegible]	I	III	30:	19.1:	19.8	19.9	1O			0	6	17.4
S[illegible]	IR	I-II	-6	15.4	15.6	15.8	1O			0	4	16.0
S[illegible]5	I	III	20	17.8	18.8	19.3	1O			0	6	17.4
S0246	I	II	21:	15.1	16.1	17.4	1O			0	5	17.2
S0247	I	I-II	-15:	14.9	15.9	16.8	1O			0	5	17.0
S0248	IR	II	4	15.6	15.9	17.0	2O	D		0	5	17.1
S0249	RI	II:	83	18.7	19.3	20.0	1C			2	6	17.4
S0250	I	I-II	-3	13.5	14.7	16.1	1O	B	0.0484	0	4	16.3

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0201	01 50.2 -44 31	01 52.3 -44 16	271.42	-68.95	F245	-20	26	184	190
S0202	01 50.7 -18 59	01 53.1 -18 44	185.55	-73.53	F543	70	58	94	222
S0203	01 51.1 -33 53	01 53.3 -33 38	242.73	-75.18	F354	-104	59	268	223
S0204	01 53.3 -49 03	01 55.3 -48 48	277.52	-65.05	F197	-64	53	228	217
S0205	01 53.5 -58 47	01 55.2 -58 32	287.82	-56.68	F114	-5	66	169	230
S0206	01 54.0 -37 47	01 56.1 -37 32	254.38	-72.86	F354	-67	-149	231	15
S0207	01 55.6 -18 38	01 58.0 -18 23	186.72	-72.37	F543	133	76	31	240
S0208	01 55.7 -58 34	01 57.4 -58 19	287.17	-56.74	F114	10	77	154	241
S0209	01 55.9 -78 43	01 55.8 -78 28	298.90	-38.15	F013	67	65	97	229
S0210	01 56.2 -64 38	01 57.6 -64 23	291.60	-51.26	F081	-93	19	257	183
S0211	01 56.3 -81 38	01 55.3 -81 23	300.05	-35.38	F013	49	-91	115	73
S0212	01 57.5 -65 19	01 58.9 -65 04	291.84	-50.58	F081	-84	-17	248	147
S0213	01 58.0 -22 51	02 00.3 -22 36	200.57	-73.75	F477	97	116	67	280
S0214	01 58.8 -40 23	02 00.9 -40 08	259.52	-70.62	F298	-117	-22	281	142
S0215	01 59.0 -40 50	02 01.1 -40 35	260.52	-70.31	F298	-114	-46	278	118
S0216	01 59.5 -37 16	02 01.6 -37 01	251.05	-72.18	F298	-113	146	277	310
S0217	01 59.6 -44 54	02 01.6 -44 39	268.81	-67.54	F245	70	4	94	168
S0218	01 59.8 -48 29	02 01.7 -48 14	274.70	-64.85	F197	-7	84	171	248
S0219	01 59.9 -36 03	02 02.1 -35 48	247.33	-72.66	F354	-5	-55	169	109
S0220	02 00.8 -32 05	02 03.0 -31 50	234.08	-73.75	F354	2	158	162	322
S0221	02 03.5 -42 16	02 05.5 -42 01	262.27	-68.77	F245	112	146	52	310
S0222	02 04.0 -51 02	02 05.9 -50 47	277.10	-62.44	F197	29	-53	135	111
S0223	02 04.7 -37 32	02 06.8 -37 17	250.27	-71.15	F298	-58	132	222	296
S0224	02 05.0 -45 09	02 07.0 -44 54	267.56	-66.68	F245	121	-10	43	154
S0225	02 05.6 -61 27	02 07.1 -61 12	287.68	-53.62	F114	71	-79	93	85
S0226	02 08.0 -29 37	02 10.2 -29 22	224.96	-72.53	F415	-119	21	283	185
S0227	02 08.2 -33 54	02 10.4 -33 39	238.79	-71.81	F354	84	60	80	224
S0228	02 08.5 -43 07	02 10.5 -42 52	262.54	-67.52	F245	160	97	4	261
S0229	02 08.8 -37 00	02 10.9 -36 45	247.73	-70.64	F298	-14	161	178	325
S0230	02 10.0 -48 05	02 11.9 -47 50	271.16	-64.01	F197	85	104	79	268
S0231	02 10.7 -28 09	02 12.9 -27 54	220.16	-71.93	F415	-88	100	252	264
S0232	02 10.9 -32 19	02 13.1 -32 04	233.47	-71.61	F415	-83	-123	247	41
S0233	02 11.1 -34 37	02 13.2 -34 22	240.42	-71.03	F354	117	22	47	186
S0234	02 11.9 -48 54	02 13.8 -48 40	271.94	-63.21	F197	100	59	64	223
S0235	02 12.0 -34 03	02 14.2 -33 49	238.59	-71.01	F355	-135	51	299	215
S0236	02 13.3 -68 23	02 14.3 -68 09	291.78	-47.14	F053	-115	85	279	249
S0237	02 13.4 -33 13	02 15.6 -32 59	235.90	-70.92	F355	-119	94	283	258
S0238	02 13.8 -30 03	02 16.0 -29 49	226.17	-71.25	F415	-50	-1	214	163
S0239	02 14.9 -48 03	02 16.8 -47 49	269.81	-63.45	F197	129	103	35	267
S0240	02 15.0 -82 14	02 13.1 -82 00	299.56	-34.58	F014	-85	-125	249	39
S0241	02 16.6 -65 03	02 17.8 -64 49	288.87	-49.88	F081	24	-2	140	162
S0242	02 17.1 -31 53	02 19.3 -31 39	231.53	-70.38	F415	-13	-99	177	65
S0243	02 17.2 -29 41	02 19.4 -29 27	224.97	-70.53	F415	-12	18	176	182
S0244	02 17.8 -26 11	02 20.1 -25 57	214.59	-70.17	F478	68	-63	96	101
S0245	02 17.8 -28 35	02 20.0 -28 21	221.68	-70.39	F415	-4	78	168	242
S0246	02 18.0 -27 19	02 20.2 -27 05	217.93	-70.27	F415	-2	145	166	309
S0247	02 18.3 -40 08	02 20.3 -39 54	253.36	-67.60	F298	83	-8	81	156
S0248	02 18.9 -62 35	02 20.2 -62 21	286.46	-51.84	F081	41	131	123	295
S0249	02 19.8 -37 05	02 21.9 -36 51	245.58	-68.57	F355	-46	-111	210	53
S0250	02 20.5 -51 20	02 22.3 -51 06	273.45	-60.50	F198	-82	-70	246	94

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0251	02 20.5 -55 54	02 22.1 -55 40	279.35	-57.11	F153	59	-47	105	117
S0252	02 21.3 -44 06	02 23.2 -43 52	261.12	-65.07	F246	11	51	153	215
S0253	02 21.7 -44 53	02 23.6 -44 39	262.53	-64.56	F246	15	9	149	173
S0254	02 22.2 -67 35	02 23.2 -67 21	290.13	-47.42	F081	49	-138	115	26
S0255	02 22.4 -19 17	02 24.7 -19 03	197.24	-67.12	F545	-60	39	224	203
S0256	02 22.4 -30 37	02 24.6 -30 23	227.56	-69.37	F415	48	-32	116	132
S0257	02 22.5 -64 05	02 23.7 -63 51	287.23	-50.36	F081	59	49	105	213
S0258	02 23.6 -29 50	02 25.8 -29 36	225.33	-69.13	F415	62	9	102	173
S0259	02 23.6 -59 17	02 25.1 -59 03	282.50	-54.20	F115	-63	39	227	203
S0260	02 23.7 -36 04	02 25.8 -35 50	242.29	-68.15	F355	-5	-56	169	108
S0261	02 23.9 -63 27	02 25.2 -63 13	286.48	-50.80	F081	69	82	95	246
S0262	02 24.2 -63 50	02 25.4 -63 36	286.77	-50.47	F081	70	62	94	226
S0263	02 24.3 -23 39	02 26.6 -23 25	208.45	-68.21	F478	150	72	14	236
S0264	02 24.9 -36 17	02 27.0 -36 03	242.65	-67.86	F355	9	-67	155	97
S0265	02 25.0 -19 24	02 27.3 -19 10	198.17	-66.62	F545	-28	32	192	196
S0266	02 25.3 -28 54	02 27.5 -28 40	222.74	-68.76	F415	84	59	80	223
S0267	02 25.3 -47 26	02 27.1 -47 12	266.27	-62.53	F246	48	-128	116	36
S0268	02 27.3 -17 16	02 29.7 -17 02	194.09	-65.18	F545	2	147	162	311
S0269	02 27.5 -22 26	02 29.8 -22 12	205.92	-67.16	F545	3	-130	161	34
S0270	02 27.6 -27 08	02 29.8 -26 54	218.04	-68.12	F479	-79	-114	243	50
S0271	02 28.1 -39 07	02 30.1 -38 53	248.97	-66.31	F299	-84	48	248	212
S0272	02 28.1 -42 22	02 30.0 -42 08	256.09	-64.92	F299	-81	-126	245	38
S0273	02 29.1 -17 52	02 31.4 -17 38	195.82	-65.08	F545	25	115	139	279
S0274	02 29.7 -58 09	02 31.2 -57 55	280.22	-54.58	F115	-21	100	185	264
S0275	02 30.2 -50 59	02 31.9 -50 45	270.85	-59.64	F198	-1	-51	165	113
S0276	02 30.5 -79 48	02 29.3 -79 34	297.59	-36.51	F014	-72	9	236	173
S0277	02 31.6 -49 48	02 33.4 -49 34	268.76	-60.24	F198	12	13	152	177
S0278	02 32.4 -33 54	02 34.5 -33 40	235.71	-66.90	F355	91	108	73	272
S0279	02 32.5 -37 45	02 34.5 -37 31	245.07	-65.97	F299	-39	121	203	285
S0280	02 32.9 -59 51	02 34.3 -59 37	281.56	-53.02	F115	1	9	163	173
S0281	02 33.2 -41 47	02 35.1 -41 33	253.87	-64.34	F299	-31	-94	195	70
S0282	02 33.3 -66 12	02 34.3 -65 58	287.64	-47.98	F081	112	-69	52	95
S0283	02 33.8 -50 32	02 35.5 -50 18	269.44	-59.50	F198	31	-27	133	137
S0284	02 33.9 -59 23	02 35.3 -59 09	280.89	-53.29	F115	8	34	156	198
S0285	02 34.1 -66 32	02 35.1 -66 18	287.84	-47.66	F082	-120	-83	284	81
S0286	02 34.7 -45 04	02 36.6 -44 51	260.04	-62.54	F247	-130	-4	294	160
S0287	02 34.8 -20 39	02 37.1 -20 26	203.15	-64.97	F545	95	-35	69	129
S0288	02 35.3 -57 21	02 36.8 -57 08	278.34	-54.67	F115	19	143	145	307
S0289	02 36.6 -42 04	02 38.5 -41 51	253.83	-63.65	F299	3	-110	161	54
S0290	02 37.8 -47 56	02 39.6 -47 43	264.50	-60.54	F198	69	111	95	275
S0291	02 42.9 -29 15	02 45.1 -29 02	224.01	-64.93	F416	20	42	144	206
S0292	02 42.9 -47 42	02 44.7 -47 29	263.15	-59.95	F198	116	122	48	286
S0293	02 43.1 -45 26	02 44.9 -45 13	259.15	-61.07	F247	-50	-22	214	142
S0294	02 43.7 -32 37	02 45.8 -32 24	231.92	-64.71	F356	-51	126	215	290
S0295	02 43.9 -53 14	02 45.5 -53 01	271.52	-56.58	F154	-11	95	175	259
S0296	02 44.7 -42 35	02 46.6 -42 22	253.51	-62.07	F247	-36	132	200	296
S0297	02 45.6 -42 02	02 47.5 -41 49	252.29	-62.13	F299	92	-108	72	56
S0298	02 45.7 -56 42	02 47.1 -56 29	275.84	-54.12	F154	2	-89	162	75
S0299	02 47.0 -67 29	02 47.8 -67 16	287.22	-46.14	F053	54	136	110	300
S0300	02 47.1 -41 29	02 49.0 -41 16	250.98	-62.08	F299	109	-81	55	83

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0251	I	III	13	18.0	18.6	19.3	10			0	6	17.4
S0252	I	II-III	9:	13.5*	16.7	16.8	10			0	5	17.0
S0253	I	II-III	1	15.4	16.0	16.8	10			0	5	17.0
S0254	I	II	6	18.5	16.1	16.6	10			0	5	16.8
S0255	R	III	46	19.7	19.9	20.4	10			0	6	17.5
S0256	RI	III	44	19.3	19.5	19.9	10			0	6	17.4
S0257	I	II	12	15.3	16.2	17.5	10			0	5	17.2
S0258	I	II	8	14.8	15.3	16.1	10			0	4	16.3
S0259	I	III	26	16.0	17.8	18.6	10	Q		0	6	17.3
S0260	RI	III	73	19.1	19.3	20.0	1C			1	6	17.4
S0261	I	II	18	15.1	16.0	17.6	10		(0.0574)	0	5	17.2
S0262	IR	I-II	18:	15.1	16.1	17.4	10	D		0	5	17.2
S0263	RI	I	16:	14.0	14.3	15.3	10			0	3	15.5
S0264	I	II-III	45	18.1	18.7	19.7	1C			0	6	17.4
S0265	I	II	23	13.5	15.4	16.5	10			0	5	16.7
S0266	I	III	-1	19.2	19.3	19.6	10			0	6	17.4
S0267	I	I-II	-16	14.6	15.5	17.7	10			0	5	17.2
S0268	RI	I-II	15	13.9	15.4	15.9	10			0	4	16.1
S0269	IR	II-III	21	15.1	15.6	16.8	10			0	5	17.0
S0270	RI	II-III	21	17.7	18.5	19.1:	1C,10			0	6	17.4
S0271	IR	I	19:	16.0	17.5	18.1	10			0	6	17.3
S0272	I	III	12	17.9	18.7	19.0	20			0	6	17.4
S0273	I	I	-6	13.8	15.1	15.8	10			0	4	16.0
S0274	I	I-II	-4	12.9	14.4	15.4	10	Q	0.0309	0	3	15.6
S0275	I	II	-4	15.3	15.6	16.8	10			0	5	17.0
S0276	I	II	29	15.2	16.6	17.4	10			0	5	17.1
S0277	RI	II	-5	14.7	15.2	16.0	10			0	4	16.2
S0278	IR	III:	(45)	18.4:	19.0:	19.7:	1C			0	6	17.4
S0279	IR	II	-10	14.6	15.2	16.7	10			0	5	16.9
S0280	IR	I-II	-63	15.5	15.8	16.8	10	Q		0	5	17.0
S0281	I	II	11	15.4	16.1	16.9	10			0	5	17.1
S0282	I	II-III	0	15.4	16.5	16.8	20	D		0	5	17.0
S0283	I	II	9	13.7	15.4	16.8	10		(0.0212)	0	5	17.0
S0284	I	III	27	16.2	16.8	18.0	10			0	6	17.3
S0285	IR	III	18	16.7	17.1	18.0	20	D		0	6	17.3
S0286	I	II-III	25	.0	18.4	18.8	20			0	6	17.3
S0287	IR	II-III	44	18.9	19.7	20.5	10			0	6	17.5
S0288	IR	I-II	-59	15.3	15.8	16.5	10			0	5	16.7
S0289	IR	III	29:	17.3	18.0	18.1	10			0	6	17.3
S0290	I	III	0	17.4	18.9	19.1	10			0	6	17.4
S0291	R	I	19	16.1	18.1	18.6	10			0	6	17.3
S0292	I	I-II	21	15.4	15.6	17.0	20			0	5	17.2
S0293	IR	II-III	-16:	16.5?	17.8	18.0	10			0	6	17.3
S0294	I	II-III	68	18.8?	19.3	20.1	1C			1	6	17.4
S0295	R	III?	(85)	19.3	19.6	20.2	1C			2	6	17.5
S0296	RI	I	-15:	13.6	15.7	16.4	20	Q		0	5	16.6
S0297	IR	II	6	15.3	15.5	16.1:	20	Q		0	4	16.4
S0298	R	II	(68)	19.1	19.5	20.1	1C			1	6	17.4
S0299	I	III	-10	18.3	19.1	19.4	10	D		0	6	17.4
S0300	RI	I-II	-39	15.0	15.8	17.2	10			0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0301	02 47.5 -31 24	02 49.6 -31 11	229.02	-63.96	F416	71	-74	93	90
S0302	02 47.7 -35 51	02 49.7 -35 38	239.02	-63.48	F356	-6	-45	170	119
S0303	02 48.3 -71 35	02 48.6 -71 22	290.63	-42.84	F053	48	-85	116	79
S0304	02 49.8 -43 00	02 51.7 -42 47	253.54	-61.05	F247	14	109	150	273
S0305	02 50.5 -55 27	02 52.0 -55 14	273.47	-54.43	F154	39	-24	125	140
S0306	02 52.0 -41 29	02 53.9 -41 16	250.31	-61.22	F300	-103	-80	267	84
S0307	02 52.4 -51 11	02 54.0 -50 58	267.11	-56.76	F199	-69	-62	233	102
S0308	02 52.7 -52 08	02 54.3 -51 55	268.48	-56.18	F199	-65	-113	229	51
S0309	02 52.7 -62 06	02 53.8 -61 53	281.16	-49.74	F116	-114	-114	278	50
S0310	02 53.0 -49 40	02 54.7 -49 27	264.67	-57.50	F199	-65	20	229	184
S0311	02 53.6 -66 37	02 54.4 -66 24	285.69	-46.38	F082	-15	-85	179	79
S0312	02 53.7 -61 55	02 54.8 -61 42	280.83	-49.78	F115	132	-108	32	56
S0313	02 55.3 -49 25	02 57.0 -49 12	263.91	-57.31	F199	-45	33	209	197
S0314	02 56.4 -42 59	02 58.2 -42 47	252.61	-59.93	F247	79	109	85	273
S0315	02 57.6 -51 13	02 59.2 -51 01	266.36	-56.05	F199	-25	-64	189	100
S0316	02 58.3 -37 14	03 00.3 -37 02	241.13	-61.14	F356	107	-118	57	46
S0317	03 00.3 -49 45	03 01.9 -49 33	263.70	-56.44	F199	-1	15	165	179
S0318	03 00.9 -18 00	03 03.2 -17 48	202.84	-58.27	F547	-105	109	269	273
S0319	03 01.0 -32 21	03 03.1 -32 09	230.95	-61.08	F356	143	139	21	303
S0320	03 01.9 -41 07	03 03.8 -40 55	248.45	-59.56	F300	-3	-59	167	105
S0321	03 03.6 -46 58	03 05.3 -46 46	258.71	-57.22	F248	-116	-104	280	60
S0322	03 04.4 -79 35	03 02.7 -79 23	295.87	-35.87	F014	9	24	155	188
S0323	03 07.4 -56 51	03 08.7 -56 39	272.93	-51.71	F155	-81	-98	245	66
S0324	03 08.3 -47 31	03 10.0 -47 19	259.02	-56.26	F248	-72	-133	236	31
S0325	03 08.3 -51 52	03 09.8 -51 40	265.84	-54.29	F199	64	-99	100	65
S0326	03 08.3 -52 26	03 09.8 -52 14	266.67	-54.01	F199	63	-129	101	35
S0327	03 09.4 -72 18	03 09.4 -72 06	289.56	-41.24	F031	-37	146	201	310
S0328	03 11.0 -46 55	03 12.7 -46 43	257.71	-56.08	F248	-48	-100	212	64
S0329	03 11.0 -49 49	03 12.6 -49 37	262.37	-54.88	F199	91	9	73	173
S0330	03 11.6 -51 26	03 13.1 -51 14	264.77	-54.06	F199	93	-76	71	88
S0331	03 11.8 -68 37	03 12.3 -68 25	285.88	-43.74	F054	-83	74	247	238
S0332	03 12.0 -39 17	03 13.9 -39 05	244.13	-58.11	F300	102	37	62	201
S0333	03 13.1 -29 26	03 15.2 -29 14	225.36	-58.38	F417	104	29	60	193
S0334	03 14.6 -45 18	03 16.3 -45 07	254.60	-56.07	F248	-15	-14	179	150
S0335	03 15.4 -46 42	03 17.1 -46 31	256.85	-55.46	F248	-8	-89	172	75
S0336	03 15.8 -44 53	03 17.5 -44 42	253.77	-56.01	F248	-4	9	168	173
S0337	03 16.0 -29 49	03 18.1 -29 38	226.18	-57.78	F417	137	8	27	172
S0338	03 16.7 -52 26	03 18.2 -52 15	265.63	-52.89	F200	-112	-131	276	33
S0339	03 17.9 -54 03	03 19.3 -53 52	267.81	-51.96	F155	-4	53	168	217
S0340	03 18.3 -27 17	03 20.4 -27 06	221.63	-56.97	F481	-1	-120	165	44
S0341	03 18.5 -48 17	03 20.1 -48 06	259.08	-54.39	F200	-105	92	269	256
S0342	03 18.8 -44 10	03 20.5 -43 59	252.27	-55.71	F248	25	46	139	210
S0343	03 19.0 -43 27	03 20.8 -43 16	251.03	-55.88	F248	28	86	136	250
S0344	03 20.0 -44 02	03 21.7 -43 51	251.93	-55.54	F248	37	54	127	218
S0345	03 20.1 -45 43	03 21.8 -45 32	254.75	-55.03	F248	37	-36	127	128
S0346	03 20.8 -49 30	03 22.4 -49 19	260.74	-53.57	F200	-83	28	247	192
S0347	03 20.9 -29 28	03 23.0 -29 17	225.72	-56.69	F418	-73	32	237	196
S0348	03 22.3 -64 44	03 23.0 -64 33	280.81	-45.52	F083	-103	10	267	174
S0349	03 22.4 -67 11	03 22.9 -67 00	283.48	-43.96	F054	-32	153	196	317
S0350	03 22.7 -74 30	03 22.2 -74 19	290.67	-39.00	F031	14	27	150	191

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0301	R	I	5	12.1	13.0	14.7	1O	BdK	0.0223	0	3	14.9
S0302	I	III	65	18.1?	18.5?	19.7	1C			1	6	17.4
S0303	I	II	5	15.3:	15.7	16.8	1O	BD	0.0586	0	5	17.0
S0304	R	I-II	2:	18.0	19.1	19.3	1O	Q		0	6	17.4
S0305	I	III	65	18.8	19.2	19.7	1C			1	6	17.4
S0306	I	II	17	15.2	16.1	17.5	1O			0	5	17.2
S0307	I	II	5	15.3	15.4	15.9	1O			0	4	16.1
S0308	I	I-II	2	14.7:	15.5	16.5	1O			0	5	16.7
S0309	IR	II	-6	15.1	15.6	16.2	1O	DQ		0	4	16.4
S0310	I	III	17	15.6*	18.8	19.3	1O			0	6	17.4
S0311	RI	I-II	15	15.5	16.3	16.8	1O	BD	(0.0263)	0	5	17.0
S0312	IR	II	-3:	15.0	15.5	16.2	1O			0	4	16.4
S0313	I	III	16	17.4	18.7	19.3	1O			0	6	17.4
S0314	I	II	27	15.5	16.5	17.7	1O			0	5	17.2
S0315	I	I	-12	14.5	15.6	16.1	1O		0.0618	0	4	16.3
S0316	I	II	6	13.1	14.7:	15.5	2C,1O	D	(0.0201)	0	4	15.7
S0317	IR	II	26	15.5	16.5	17.3	1O			0	5	17.2
S0318	R	II	29	18.2	18.7	19.4	1O,1C			0	6	17.4
S0319	R	II?	(60)	19.2?	19.6	20.6	1C			1	6	17.5
S0320	RI	I-II	24:	16.8:	18.0	18.4	1O			0	6	17.3
S0321	IR	II	19	14.9	16.2	17.5	3O			0	5	17.2
S0322	R:	I	28	14.7	15.4	16.6	1O			0	5	16.7
S0323	I	III:	63	18.8	19.2	19.9	2C			1	6	17.4
S0324	I	II	9	15.4	15.7	16.7	1O		0.0585	0	5	16.9
S0325	IR	II	3	15.3	15.5	16.5	1O			0	5	16.7
S0326	I	II	14:	15.4	15.6	17.4	1O			0	5	17.2
S0327	I	II	9	15.3	15.4	16.5	1O	BD		0	5	16.7
S0328	RI	II	21	15.1	16.2	17.2	2O			0	5	17.2
S0329	RI:	I-II	-3	13.9	15.4	16.8	2O		0.0531	0	5	17.0
S0330	I	II	0	15.4	15.6	17.0	2O			0	5	17.2
S0331	I	II-III	22	17.5	17.6	18.0	1O	D		0	6	17.3
S0332	I	II	-14	14.7	15.1	15.6	1O			0	4	15.8
S0333	RI	II	24	15.2	15.3	15.6	1O			0	4	15.8
S0334	I	II	5:	14.8	15.6	16.0	1O			0	4	16.2
S0335	IR	II	-99	15.3	15.8	16.1	1O			0	4	16.3
S0336	RI	II	5	15.4	15.5	15.9	1O		0.0744	0	4	16.1
S0337	R:	I	-10	14.5	15.4	16.1	1O			0	4	16.3
S0338	I	II	-1	14.8	15.6	17.1	1O		(0.0384)	0	5	17.2
S0339	I	III	15	14.1:	14.2	15.3	1C	dK	0.0546	0	3	15.5
S0340	I	II-III	-99	14.8:	15.8	16.4	1O			0	5	16.6
S0341	RI	I-II	-3	14.8	15.4	16.8	2O	D		0	5	16.9
S0342	R	I-II	21	17.5:	18.6	18.9	1O			0	6	17.3
S0343	IR	II	23	16.0	17.1	18.1	1O			0	6	17.3
S0344	IR	II-III	27	15.4*	17.6	18.1	1O			0	6	17.3
S0345	RI	II	9	14.9	15.1	16.1	1O			0	4	16.3
S0346	RI	I-II	8	14.7	15.4	16.0	1O	D	0.0670	0	4	16.2
S0347	RI	III	108	19.1	19.3	19.9	1C			2	6	17.4
S0348	I	II	18	15.6	16.6	17.5	2O			0	5	17.2
S0349	I	II	0	14.7:	16.0	16.6	1O			0	5	16.8
S0350	I	III	28	16.6	17.4	18.1	1O	DQ		0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{III}	y_{III}
S0351	03 23.7 -34 30	03 25.7 -34 19	234.88	-56.29	F358	-140	27	304	191
S0352	03 24.8 -32 56	03 26.8 -32 45	232.07	-56.07	F358	-130	112	294	276
S0353	03 24.9 -51 35	03 26.4 -51 24	263.46	-52.13	F200	-46	-84	210	80
S0354	03 26.6 -57 54	03 27.8 -57 43	272.09	-48.97	F116	112	112	52	276
S0355	03 27.4 -66 32	03 28.0 -66 21	282.35	-43.99	F083	-70	-82	234	82
S0356	03 28.0 -46 09	03 29.6 -45 58	254.74	-53.59	F248	109	-62	55	102
S0357	03 29.2 -26 16	03 31.3 -26 05	220.61	-54.40	F481	130	-68	34	96
S0358	03 30.8 -49 59	03 32.3 -49 48	260.48	-51.89	F200	4	3	160	167
S0359	03 31.5 -22 27	03 33.7 -22 16	214.55	-52.99	F548	15	-130	149	34
S0360	03 31.8 -49 18	03 33.3 -49 07	259.35	-51.98	F200	13	38	151	202
S0361	03 32.0 -32 50	03 34.0 -32 40	231.97	-54.55	F358	-49	119	213	283
S0362	03 32.1 -64 25	03 32.8 -64 14	279.56	-44.86	F083	-47	32	211	196
S0363	03 32.2 -33 49	03 34.2 -33 39	233.66	-54.54	F358	-46	66	210	230
S0364	03 33.0 -39 40	03 34.8 -39 30	243.67	-54.05	F301	50	18	114	182
S0365	03 33.5 -42 35	03 35.2 -42 25	248.51	-53.50	F301	52	-139	112	25
S0366	03 33.6 -53 45	03 34.9 -53 35	265.72	-50.03	F156	-139	68	303	232
S0367	03 33.8 -45 20	03 35.5 -45 10	252.97	-52.83	F249	-98	-18	262	146
S0368	03 34.0 -33 08	03 36.0 -32 58	232.51	-54.14	F358	-26	102	190	266
S0369	03 34.6 -59 07	03 35.7 -58 57	272.87	-47.46	F117	-93	47	257	211
S0370	03 35.2 -32 38	03 37.2 -32 28	231.68	-53.87	F358	-12	129	176	293
S0371	03 35.9 -60 24	03 36.9 -60 14	274.38	-46.67	F117	-82	-21	246	143
S0372	03 36.0 -55 35	03 37.2 -55 25	268.05	-48.94	F156	-116	-29	280	135
S0373	03 36.6 -35 37	03 38.5 -35 27	236.73	-53.63	F358	2	-31	162	133
S0374	03 38.7 -50 23	03 40.2 -50 13	260.38	-50.57	F200	71	-21	93	143
S0375	03 39.0 -51 46	03 40.4 -51 36	262.38	-50.05	F200	71	-94	93	70
S0376	03 39.1 -38 00	03 41.0 -37 50	240.68	-53.03	F301	116	106	48	270
S0377	03 39.5 -55 22	03 40.7 -55 12	267.43	-48.58	F156	-90	-17	254	147
S0378	03 39.6 -64 43	03 40.2 -64 33	279.28	-44.03	F083	-4	16	168	180
S0379	03 41.9 -19 29	03 44.1 -19 19	211.23	-49.76	F548	149	27	15	191
S0380	03 42.0 -75 10	03 41.1 -75 00	290.21	-37.62	F031	79	-13	85	151
S0381	03 42.7 -62 43	03 43.5 -62 33	276.65	-44.80	F083	16	124	148	288
S0382	03 42.8 -66 10	03 43.3 -66 00	280.69	-42.95	F083	13	-62	151	102
S0383	03 43.6 -36 57	03 45.5 -36 47	238.88	-52.19	F358	78	-103	86	61
S0384	03 44.0 -41 20	03 45.8 -41 10	245.97	-51.77	F302	-103	-72	267	92
S0385	03 45.1 -31 58	03 47.1 -31 48	230.81	-51.74	F358	100	163	64	327
S0386	03 45.4 -31 05	03 47.4 -30 55	229.40	-51.59	F419	-55	-55	219	109
S0387	03 45.4 -61 39	03 46.2 -61 29	275.12	-45.05	F117	-19	-87	183	77
S0388	03 45.5 -34 47	03 47.4 -34 37	235.36	-51.81	F359	-160	10	324	174
S0389	03 45.5 -85 47	03 35.9 -85 37	299.61	-30.39	F003	76	-57	88	107
S0390	03 45.7 -54 11	03 47.0 -54 01	265.26	-48.23	F156	-43	48	207	212
S0391	03 45.8 -23 41	03 48.0 -23 31	217.89	-50.15	F482	68	71	96	235
S0392	03 45.8 -69 24	03 45.9 -69 14	284.07	-40.90	F054	80	31	84	195
S0393	03 46.7 -45 42	03 48.3 -45 32	252.71	-50.55	F249	24	-35	140	129
S0394	03 47.1 -29 50	03 49.1 -29 40	227.48	-51.08	F419	-35	8	199	172
S0395	03 47.3 -51 49	03 48.7 -51 39	261.79	-48.82	F201	-108	-98	272	66
S0396	03 47.4 -64 43	03 48.0 -64 33	278.66	-43.32	F083	40	16	124	180
S0397	03 50.4 -31 30	03 52.4 -31 21	230.24	-50.57	F419	21	-77	143	87
S0398	03 53.2 -46 17	03 54.8 -46 08	253.24	-49.33	F249	84	-67	80	97
S0399	03 53.2 -53 57	03 54.5 -53 48	264.36	-47.28	F156	16	60	148	224
S0400	03 53.7 -36 43	03 55.6 -36 34	238.47	-50.17	F359	-69	-92	233	72

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0351	IR	I	17	16.6	18.6	19.3	1O			0	6	17.4
S0352	I	II-III	19	15.8	16.8	17.5	1O			0	5	17.2
S0353	I	II	-11	14.1:	15.3	15.8	1O		0.0410	0	4	16.0
S0354	I	III	26:	15.2	15.6	16.7	2O,1C	D		0	5	16.9
S0355	I	I-II	-42	15.4	15.9	17.2	1O			0	5	17.2
S0356	IR	I-II	10	14.6	15.1	16.0	2O	Q		0	4	16.2
S0357	I	I	-1:	14.5	15.5	16.6	1O			0	5	16.8
S0358	I	II-III	26	14.9*	16.8	17.1	1O			0	5	17.2
S0359	I:	III	13	18.3	19.3	19.5	1O			0	6	17.4
S0360	I	II	-12	15.0	15.5	16.1	1O	D		0	4	16.3
S0361	RI	I	27	14.5	16.0	16.8	1O			0	5	17.0
S0362	R	I-II	-74	15.3	15.9	16.0	1O	BD		0	4	16.2
S0363	I	II-III	5	15.3	15.6	16.4	1O			0	5	16.6
S0364	R:	I-II	9:	14.5	15.6	16.8	1O			0	5	17.0
S0365	IR	I-II	-3	14.3	15.3	16.5	1O			0	5	16.7
S0366	I	II	-5	14.8	15.3	16.1	1O		0.0598	0	4	16.3
S0367	RI	I-II	-13	14.5	14.7	16.0	1O		0.0666	0	4	16.2
S0368	I	I-II	19	15.4	15.9	17.2	1O			0	5	17.2
S0369	IR	I-II	12	16.1	16.6	17.5	1O			0	5	17.2
S0370	I	II	23	15.6	16.1	16.7	1O			0	5	16.9
S0371	IR	II-III	4	15.7	16.0	17.1	1O			0	5	17.2
S0372	RI	I-II	7:	14.5	15.3	15.9	1O		0.0758	0	4	16.1
S0373	I	I	-18	9.4	9.6	10.1	1O		0.0046	0	0	10.3
S0374	I	III	13	16.4	16.8	17.4	1O			0	5	17.2
S0375	RI	II	2	15.3	15.7	16.5	1O			0	5	16.7
S0376	RI	I-II	11:	13.1?	15.4	17.1	1O			0	5	17.2
S0377	IR	I-II	19:	13.7	14.6	15.4	1O		0.0425	0	3	15.6
S0378	I	II	-67	15.5	15.9	16.8	1O	D		0	5	17.0
S0379	I	I-II	27	15.5	17.5	18.0	1O			0	6	17.3
S0380	RI	I-II	-70	14.8	15.9	16.8	2O	DQ		0	5	16.9
S0381	RI:	I-II	27	16.8	17.4	18.0	2O	D		0	5	17.2
S0382	I	II	4	15.5:	16.7	17.4	1O			0	5	17.2
S0383	I	II-III	26	15.7	16.2	17.8	1O			0	5	17.2
S0384	R	I	6	13.4	14.8?	15.5	1C	O		0	4	15.7
S0385	RI:	I	14	15.0	15.7:	16.6	1O,1A	Q		0	5	16.8
S0386	I	III	17	17.0	17.1	18.1	1A			0	6	17.3
S0387	IR	II	-35	15.4	15.9	17.0	1O			0	5	17.2
S0388	RI:	II-III?	(80)	18.1:	18.5?	19.9	1C			2	6	17.4
S0389	I	II	8	14.9	15.4	17.1	2O	Q		0	5	17.1
S0390	I	I-II	-65	14.6	15.9	16.5	1O		0.0605	0	5	16.7
S0391	R?	III?	71	18.6	19.2	20.1	1C			1	6	17.4
S0392	IR	I-II	7	15.1	16.7	17.1	1O			0	5	17.2
S0393	R:	I	11	14.5	14.9	16.1	1O	Q	0.0454	0	4	16.3
S0394	R?	II-III	12	16.2	16.9	17.7	1A			0	5	17.2
S0395	IR	II	-15:	15.6	15.9	16.8	2O	D		0	5	17.0
S0396	I	II-III	26	15.8	16.8	18.0	1O			0	6	17.3
S0397	R	II-III	20	16.6	17.1	18.0	1A	Q		0	6	17.3
S0398	I	II-III	27	15.1	17.3	17.6	1O			0	5	17.2
S0399	IR	I-II	11	15.4	16.1	16.4	1O		0.0394	0	5	16.6
S0400	R	II?	(79)	19.2?	20.1	20.9	1C			1	6	17.5

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0401	03 54.2 -59 06	03 55.2 -58 57	271.20	-45.22	F117	42	49	122	213
S0402	03 54.3 -44 21	03 55.9 -44 12	250.26	-49.47	F249	97	36	67	200
S0403	03 54.4 -34 20	03 56.3 -34 11	234.76	-49.96	F359	-63	31	227	195
S0404	03 55.1 -54 01	03 56.4 -53 52	264.32	-46.99	F156	31	56	133	220
S0405	03 56.0 -82 22	03 51.5 -82 13	296.42	-32.47	F015	-64	-130	228	34
S0406	03 57.0 -64 05	03 57.6 -63 56	277.21	-42.73	F083	98	46	66	210
S0407	03 57.2 -50 16	03 58.6 -50 07	258.88	-47.78	F201	-26	-12	190	152
S0408	03 57.4 -61 50	03 58.2 -61 41	274.43	-43.71	F117	57	-98	107	66
S0409	03 57.4 -68 29	03 57.5 -68 20	282.31	-40.53	F055	-114	78	278	242
S0410	03 57.7 -59 44	03 58.6 -59 35	271.75	-44.56	F117	64	15	100	179
S0411	04 00.3 -65 07	04 00.8 -64 58	278.22	-41.94	F083	112	-11	52	153
S0412	04 00.6 -57 02	04 01.7 -56 53	268.02	-45.23	F117	91	158	73	322
S0413	04 02.1 -63 56	04 02.7 -63 47	276.69	-42.30	F083	128	52	36	216
S0414	04 02.3 -24 27	04 04.4 -24 18	220.46	-46.71	F483	0	29	164	193
S0415	04 02.9 -60 57	04 03.7 -60 48	272.94	-43.48	F117	95	-53	69	111
S0416	04 03.2 -43 59	04 04.8 -43 50	249.39	-47.94	F250	-86	55	250	219
S0417	04 03.3 -66 06	04 03.7 -65 57	279.19	-41.20	F083	124	-65	40	99
S0418	04 04.2 -39 00	04 06.0 -38 51	241.93	-48.08	F302	104	54	60	218
S0419	04 04.5 -47 59	04 06.0 -47 50	255.20	-47.12	F201	38	109	126	273
S0420	04 04.7 -47 15	04 06.2 -47 06	254.13	-47.21	F250	-68	-120	232	44
S0421	04 05.8 -27 33	04 07.9 -27 25	225.12	-46.65	F420	-87	132	251	296
S0422	04 05.9 -22 22	04 08.1 -22 14	217.90	-45.34	F550	-76	-131	240	33
S0423	04 05.9 -44 34	04 07.5 -44 26	250.17	-47.39	F250	-60	24	224	188
S0424	04 06.0 -43 33	04 07.6 -43 25	248.67	-47.48	F250	-60	78	224	242
S0425	04 07.1 -60 12	04 08.0 -60 04	271.72	-43.29	F117	125	-15	39	149
S0426	04 07.7 -60 57	04 08.5 -60 49	272.63	-42.94	F117	126	-55	38	109
S0427	04 07.8 -19 21	04 10.0 -19 13	214.07	-43.97	F550	-55	36	219	200
S0428	04 07.8 -75 09	04 06.7 -75 01	288.97	-36.30	F032	-60	-8	224	156
S0429	04 08.1 -61 34	04 08.8 -61 26	273.38	-42.66	F117	126	-88	38	76
S0430	04 09.2 -58 07	04 10.2 -57 59	268.90	-43.78	F118	-122	99	286	263
S0431	04 11.4 -48 40	04 12.8 -48 32	255.88	-45.87	F201	99	70	65	234
S0432	04 12.7 -69 30	04 12.6 -69 22	282.58	-38.83	F055	-38	28	202	192
S0433	04 13.2 -50 55	04 14.5 -50 47	258.95	-45.16	F201	109	-50	55	114
S0434	04 14.9 -43 02	04 16.5 -42 54	247.73	-45.91	F250	27	106	137	270
S0435	04 16.9 -17 35	04 19.1 -17 27	212.85	-41.33	F550	61	130	103	294
S0436	04 17.1 -42 19	04 18.7 -42 11	246.68	-45.54	F250	49	145	115	309
S0437	04 17.2 -44 20	04 18.8 -44 12	249.55	-45.41	F250	48	37	116	201
S0438	04 17.2 -46 30	04 18.7 -46 22	252.62	-45.21	F250	47	-79	117	85
S0439	04 17.5 -19 31	04 19.7 -19 23	215.34	-41.87	F550	68	27	96	191
S0440	04 17.8 -28 00	04 19.8 -27 52	226.53	-44.15	F420	55	107	109	271
S0441	04 18.2 -18 42	04 20.4 -18 34	214.39	-41.44	F550	75	70	89	234
S0442	04 19.0 -51 34	04 20.3 -51 26	259.60	-44.14	F202	-95	-83	259	81
S0443	04 19.1 -20 31	04 21.3 -20 23	216.77	-41.85	F550	87	-27	77	137
S0444	04 20.3 -43 16	04 21.9 -43 09	247.99	-44.91	F250	79	93	85	257
S0445	04 20.7 -74 49	04 19.6 -74 41	288.09	-35.75	F032	-16	11	180	175
S0446	04 21.5 -46 00	04 23.0 -45 53	251.81	-44.52	F250	86	-54	78	110
S0447	04 21.8 -30 50	04 23.8 -30 43	230.63	-43.83	F420	99	-46	65	118
S0448	04 21.8 -33 54	04 23.7 -33 47	234.85	-44.27	F360	-26	60	190	224
S0449	04 22.3 -27 51	04 24.3 -27 44	226.62	-43.14	F420	108	115	56	279
S0450	04 23.1 -68 45	04 23.1 -68 38	281.20	-38.33	F055	11	68	153	232

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0401	I	II-III	10	15.6	16.7	17.5	1O			0	5	17.2
S0402	RI	II:	-56?	15.4	15.9	16.6	2O			0	5	16.8
S0403	R	III	(61)	20.1	20.5	21.4	1C			1	6	17.6
S0404	RI	I	23	13.7	15.3	15.5	1O		0.0365	0	4	15.7
S0405	IR	I-II	2	14.9	15.3	16.8	4O	Q		0	5	16.9
S0406	IR	II	12	15.5	16.5	17.3	1O			0	5	17.2
S0407	IR	III	1	18.7	19.2	19.3	1O			0	6	17.4
S0408	R	III	29	16.3:	16.8	18.0:	1O,1C	D		0	5	17.2
S0409	I	I-II	8	15.1	16.0	17.0	1O			0	5	17.2
S0410	I	II	-29	14.6	15.1	15.7	1O	D		0	4	15.9
S0411	I	I-II	-17	13.8	15.3	15.9	1O	BD	0.0380	0	4	16.1
S0412	I	II-III	-1	15.6	15.7	16.1	1O		0.0467	0	4	16.3
S0413	I	II	-7	14.8	15.4	17.1	1O		(0.0370)	0	5	17.2
S0414	RI	II-III	70	18.6	19.1	19.7	1C			1	6	17.4
S0415	I	II	1	13.3	14.3	15.4	1O	D		0	3	15.6
S0416	IR	I-II	-13	14.7	15.1	16.6	1O	B	0.0648	0	5	16.8
S0417	I	II-III	19	16.0	17.6	18.0	1O	D		0	6	17.3
S0418	IR	II:	12	13.4:	14.4:	15.2	2C	O		0	3	15.4
S0419	IR	III	15	16.8*	18.9	19.2	1O			0	6	17.4
S0420	IR	II-III	-57	15.5	15.8	16.6	1O	B		0	5	16.8
S0421	IR	III	20	18.0	18.7	19.2	1O			0	6	17.4
S0422	R	II:	65	19.1	19.6	20.2	1C			1	6	17.5
S0423	I	III	-3	15.7	16.1	16.8	1O			0	5	17.0
S0424	IR	II	-2	15.2	15.5	16.7	1O		0.0589	0	5	16.9
S0425	I	I-II	-1:	14.8	15.3	17.1	1O			0	5	17.2
S0426	IR	I	-18	14.4	15.4	15.4	1O	D		0	3	15.6
S0427	R	II-III	73	19.2	19.3	20.8:	1C			1	6	17.5
S0428	I	II	20	15.3	16.0	17.6	1O	BD		0	5	17.1
S0429	IR	II	-3	14.5	15.3	15.9	1O	D		0	4	16.1
S0430	I	III:	91	19.1	19.2	20.1	1C			2	6	17.4
S0431	I	I-II	16	15.3	16.8	17.4	1O			0	5	17.2
S0432	I	II	-70	14.5	15.8	16.7	1O			0	5	16.8
S0433	R	I	2	13.9	15.3	16.3	2O	D	0.0668	0	5	16.5
S0434	I	II	7	15.3	15.5	16.6	1O			0	5	16.8
S0435	I	II?	58	18.8:	19.3	20.9	1C			1	6	17.5
S0436	I	II	0	15.3	15.4	17.1	1O			0	5	17.2
S0437	I	II	-8	14.7	15.3	17.4	1O			0	5	17.2
S0438	I	III	3:	16.8	17.1	18.0	1O			0	6	17.3
S0439	I	III	96	19.0	19.2	20.0	1C			2	6	17.4
S0440	IR	I-II	-67	15.1	15.9	16.2	1O			0	4	16.4
S0441	R	II	102	19.0	19.7	20.4	1C			2	6	17.5
S0442	RI	I-II	-48	15.4	15.8	16.8	2O			0	5	17.0
S0443	R?	II?	0*	20.1	20.8	21.6	1C			0	6	17.6
S0444	RI	III	49:	19.1	19.5	19.9	1O			0	6	17.4
S0445	I	II	-1	15.2	16.0	16.6	1O			0	5	16.7
S0446	IR	II	27	15.2	16.3	17.3	1O,1A			0	5	17.2
S0447	I	III	28	16.7	16.8	18.1	1O			0	6	17.3
S0448	I	I-II	0	15.7	15.9	17.8	1O			0	5	17.2
S0449	I	I-II	-16	14.8	15.3	15.7	2O	s		0	4	15.9
S0450	IR	I-II	9	15.3	16.1	16.8	1O			0	5	16.9

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0451	04 23.9 -37 49	04 25.7 -37 42	240.35	-44.20	F303	40	119	124	283
S0452	04 24.0 -28 45	04 26.0 -28 38	227.93	-42.97	F420	127	66	37	230
S0453	04 24.1 -32 47	04 26.0 -32 40	233.40	-43.65	F360	1	120	163	284
S0454	04 24.4 -43 28	04 26.0 -43 21	248.23	-44.16	F250	120	81	44	245
S0455	04 24.7 -48 34	04 26.1 -48 27	255.29	-43.71	F202	-50	79	214	243
S0456	04 25.2 -45 53	04 26.7 -45 46	251.57	-43.89	F250	122	-49	42	115
S0457	04 25.5 -49 14	04 26.9 -49 07	256.18	-43.49	F202	-42	44	206	208
S0458	04 25.6 -29 56	04 27.6 -29 49	229.61	-42.86	F421	-122	9	286	173
S0459	04 26.6 -28 15	04 28.6 -28 08	227.43	-42.31	F421	-113	99	277	263
S0460	04 26.8 -62 25	04 27.4 -62 18	273.40	-40.31	F084	14	140	150	304
S0461	04 26.9 -50 39	04 28.2 -50 32	258.06	-43.08	F202	-30	-32	194	132
S0462	04 27.5 -32 53	04 29.4 -32 46	233.67	-42.96	F360	39	114	125	278
S0463	04 28.0 -53 56	04 29.2 -53 49	262.43	-42.35	F157	30	57	134	221
S0464	04 28.5 -36 45	04 30.3 -36 38	238.97	-43.21	F360	47	-93	117	71
S0465	04 29.5 -29 52	04 31.5 -29 45	229.74	-42.02	F421	-77	14	241	178
S0466	04 29.7 -27 55	04 31.7 -27 48	227.20	-41.56	F421	-76	117	240	281
S0467	04 30.1 -67 01	04 30.2 -66 54	278.83	-38.40	F055	50	160	114	324
S0468	04 30.2 -46 13	04 31.7 -46 06	251.95	-43.00	F251	-89	-64	253	100
S0469	04 30.7 -20 54	04 32.9 -20 47	218.41	-39.41	F551	-32	-47	196	117
S0470	04 31.3 -31 55	04 33.2 -31 48	232.55	-42.02	F421	-56	-97	220	67
S0471	04 33.5 -28 37	04 35.5 -28 30	228.36	-40.91	F421	-31	81	195	245
S0472	04 34.0 -36 01	04 35.8 -35 54	238.12	-42.03	F361	-154	-56	318	108
S0473	04 34.4 -22 33	04 36.5 -22 26	220.78	-39.11	F551	14	-135	150	29
S0474	04 34.7 -20 22	04 36.9 -20 15	218.16	-38.35	F551	19	-18	145	146
S0475	04 34.8 -50 37	04 36.1 -50 30	257.79	-41.84	F202	38	-31	126	133
S0476	04 34.9 -39 45	04 36.6 -39 38	243.16	-42.16	F304	-118	14	282	178
S0477	04 35.6 -49 43	04 36.9 -49 37	256.57	-41.81	F202	46	17	118	181
S0478	04 36.2 -31 46	04 38.1 -31 40	232.60	-40.96	F421	0	-89	164	75
S0479	04 36.5 -51 32	04 37.8 -51 26	258.97	-41.46	F202	51	-80	113	84
S0480	04 36.6 -85 55	04 24.9 -85 48	299.07	-29.57	F004	-14	-47	178	117
S0481	04 36.8 -29 20	04 38.8 -29 14	229.48	-40.36	F421	7	42	157	206
S0482	04 37.1 -55 58	04 38.1 -55 52	264.76	-40.68	F158	-150	-57	314	107
S0483	04 38.0 -33 08	04 39.9 -33 02	234.46	-40.82	F361	-114	99	278	263
S0484	04 38.3 -35 43	04 40.1 -35 37	237.86	-41.13	F361	-108	-38	272	126
S0485	04 38.5 -73 15	04 37.6 -73 09	285.69	-35.35	F032	53	92	111	256
S0486	04 38.7 -45 27	04 40.2 -45 21	250.83	-41.55	F251	-9	-23	173	141
S0487	04 38.9 -44 44	04 40.4 -44 38	249.87	-41.53	F251	-8	16	172	180
S0488	04 39.4 -29 47	04 41.4 -29 41	230.22	-39.90	F421	38	18	126	182
S0489	04 40.0 -37 02	04 41.8 -36 56	239.65	-40.95	F361	-89	-109	253	55
S0490	04 40.2 -27 06	04 42.2 -27 00	226.89	-39.11	F421	49	161	115	325
S0491	04 40.5 -32 56	04 42.4 -32 50	234.32	-40.27	F361	-86	111	250	275
S0492	04 40.8 -21 18	04 43.0 -21 12	219.87	-37.31	F551	95	-70	69	94
S0493	04 41.2 -21 54	04 43.3 -21 48	220.62	-37.41	F551	99	-101	65	63
S0494	04 41.7 -21 23	04 43.9 -21 17	220.05	-37.14	F551	105	-74	59	90
S0495	04 41.7 -47 32	04 43.1 -47 26	253.57	-40.96	F251	17	-134	147	30
S0496	04 43.7 -36 01	04 45.5 -35 55	238.44	-40.09	F361	-50	-54	214	110
S0497	04 44.6 -44 49	04 46.1 -44 43	249.97	-40.52	F251	46	11	118	175
S0498	04 44.8 -37 50	04 46.5 -37 44	240.83	-40.09	F361	-37	-151	201	13
S0499	04 45.8 -29 20	04 47.8 -29 14	230.05	-38.44	F421	113	41	51	205
S0500	04 46.2 -62 33	04 46.7 -62 27	272.75	-38.12	F085	-138	129	302	293

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0451	R	III	(78)	19.2	19.5	20.1	1C			1	6	17.4
S0452	RI:	II	-17:	15.7	15.9	16.6	2O			0	5	16.8
S0453	I	I	29	15.3	15.5	16.8	1O			0	5	17.0
S0454	IR	II	-15	13.8	15.0	16.5	1O			0	5	16.7
S0455	I	I-II	-4	14.7	15.3	16.8	1O			0	5	17.0
S0456	I	III	41	19.4	19.5	19.8	1O			0	6	17.4
S0457	I	II	-29	15.1	15.9	16.9	1O	B		0	5	17.1
S0458	I	II-III	20	15.4	16.4:	17.2	2O			0	5	17.2
S0459	I	II	0	15.1	15.4	16.1	1O			0	4	16.3
S0460	RI:	III:	(133)	19.7	20.0	20.6	1C			3	6	17.5
S0461	IR	I-II	12	14.6?	16.0	16.6	1O		0.0539	0	5	16.8
S0462	I	II	24	16.8	17.0	17.4	1O			0	5	17.2
S0463	R:	I-II	26	13.3	13.7	15.1	1O	dS	0.0394	0	3	15.3
S0464	RI	I	27:	14.2	14.7	15.9	1O			0	4	16.1
S0465	RI	I-II	4	12.6	13.4	15.1	1O			0	3	15.3
S0466	RI	I-II	17	16.1?	16.7	17.3	1O			0	5	17.2
S0467	I	II	-50:	15.4	15.9	16.5	1O	D		0	5	16.6
S0468	I	II	1	15.3	15.4	16.5	1O		0.0675	0	5	16.7
S0469	IR	III	20	16.6*	18.6	18.9	1O			0	5	17.2
S0470	I	II	13	15.0	15.3	16.6	1O			0	5	16.8
S0471	IR	I-II	22	14.4	15.6	16.7	1O			0	5	16.9
S0472	I	II	-41	15.1	15.9	16.8	1O			0	5	17.0
S0473	I	I-II	2	14.6	15.3	16.7	1O			0	5	16.8
S0474	IR	I-II	26:	16.0	16.8	17.5	1O			0	5	17.1
S0475	I	II	-6	14.5:	15.1	16.7	1O			0	5	16.9
S0476	I	II	-1	13.2?	14.8	15.9	1O			0	4	16.1
S0477	I	II	5	14.8:	15.5	16.4	1O	B		0	5	16.6
S0478	I	II	2	14.8	15.4	16.1	1O			0	4	16.3
S0479	R:	I	-4	13.1	15.3	16.0	1O		0.0363	0	4	16.2
S0480	IR	II-III	26	16.2	16.8	17.8	2O			0	5	17.1
S0481	I	II	2	14.5?	15.4	16.4	1O			0	5	16.6
S0482	I	III	(50)	19.3	19.6	20.4	1C			1	6	17.5
S0483	RI:	I-II	26	15.8	16.8	17.2	2O			0	5	17.2
S0484	R	II	5	14.5	14.7	15.9	1O			0	4	16.1
S0485	I	I-II	5	15.4	15.6	17.2	1O	D		0	5	17.1
S0486	I	II	4	14.8	15.4	16.7	1O			0	5	16.9
S0487	IR	I	-7	13.3	14.2	15.0	1O		0.0372	0	3	15.2
S0488	I	I-II	22	15.0	16.0	16.6	1O			0	5	16.8
S0489	I	I	3	13.8	15.2	15.8	1O			0	4	16.0
S0490	I	II	13:	15.4	16.0	17.3	1O			0	5	17.1
S0491	RI	I-II	-16	14.6	15.8	16.6	1O			0	5	16.8
S0492	I	II	-3	15.4:	15.5	16.8	1O			0	5	16.9
S0493	I	II	10	15.4	15.5	16.8	1O			0	5	16.9
S0494	RI	I-II	29:	18.0	18.6	19.6	1O			0	6	17.3
S0495	IR	I-II	0	14.4	15.4	16.4	2O			0	5	16.6
S0496	I	II	-10	15.1	15.4	15.6	1O			0	4	15.8
S0497	IR	I	-22	13.4	14.8	15.6	1O		0.0329	0	4	15.8
S0498	I	II-III	27	16.6	18.4	19.3	1O			0	6	17.4
S0499	IR	I-II	27	15.5	17.1	18.6	1O			0	5	17.2
S0500	I	II	-11?	13.1	14.5	14.8	1O	BD	0.0190	0	3	14.9

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0501	04 48.9 -51 13	04 50.1 -51 07	258.30	-39.57	F202	156	-68	8	96
S0502	04 49.2 -37 39	04 50.9 -37 33	240.72	-39.20	F304	32	127	132	291
S0503	04 50.1 -47 42	04 51.5 -47 37	253.73	-39.54	F203	-90	124	254	288
S0504	04 54.1 -55 16	04 55.1 -55 11	263.39	-38.41	F158	-23	-14	187	150
S0505	04 56.7 -46 41	04 58.1 -46 36	252.42	-38.42	F252	-110	-90	274	74
S0506	04 59.0 -24 29	05 01.1 -24 24	225.21	-34.32	F486	-111	28	275	192
S0507	04 59.4 -34 31	05 01.2 -34 26	237.20	-36.69	F361	124	24	40	188
S0508	05 01.7 -38 52	05 03.4 -38 47	242.65	-36.92	F305	-108	61	272	225
S0509	05 03.1 -37 17	05 04.8 -37 12	240.75	-36.42	F305	-95	146	259	310
S0510	05 05.1 -39 31	05 06.8 -39 27	243.56	-36.36	F305	-72	27	236	191
S0511	05 06.6 -62 03	05 07.1 -61 59	271.56	-35.90	F085	-12	160	176	324
S0512	05 07.3 -37 53	05 09.0 -37 49	241.64	-35.69	F305	-50	115	214	279
S0513	05 09.9 -42 49	05 11.5 -42 45	247.75	-35.85	F305	-22	-150	186	14
S0514	05 10.2 -40 21	05 11.8 -40 17	244.75	-35.50	F305	-19	-18	183	146
S0515	05 11.3 -41 50	05 12.9 -41 46	246.59	-35.48	F305	-8	-97	172	67
S0516	05 13.3 -27 12	05 15.3 -27 08	229.44	-32.05	F486	61	-118	103	46
S0517	05 14.2 -25 19	05 16.2 -25 15	227.40	-31.29	F486	72	-21	92	143
S0518	05 14.2 -50 38	05 15.4 -50 34	257.42	-35.60	F204	-136	-36	300	128
S0519	05 14.9 -22 41	05 17.0 -22 37	224.56	-30.29	F486	84	125	80	289
S0520	05 15.4 -54 35	05 16.4 -54 31	262.27	-35.41	F158	142	16	22	180
S0521	05 17.3 -37 09	05 19.0 -37 05	241.19	-33.61	F305	56	154	108	318
S0522	05 17.5 -56 17	05 18.4 -56 13	264.34	-35.05	F159	-96	-68	260	96
S0523	05 18.4 -26 29	05 20.4 -26 26	229.03	-30.75	F486	123	-80	41	84
S0524	05 19.8 -61 20	05 20.4 -61 17	270.45	-34.43	F120	-146	-75	310	89
S0525	05 20.2 -49 59	05 21.5 -49 56	256.67	-34.62	F204	-86	1	250	165
S0526	05 21.8 -46 06	05 23.2 -46 03	252.00	-34.07	F252	124	-60	40	104
S0527	05 23.6 -32 45	05 25.5 -32 42	236.43	-31.39	F423	16	-146	148	18
S0528	05 24.1 -45 01	05 25.6 -44 58	250.76	-33.55	F253	-113	-3	277	161
S0529	05 24.4 -55 21	05 25.4 -55 18	263.19	-34.10	F159	-46	-17	210	147
S0530	05 25.3 -56 16	05 26.2 -56 13	264.29	-33.97	F159	-38	-66	202	98
S0531	05 25.6 -49 30	05 26.9 -49 27	256.15	-33.72	F204	-39	28	203	192
S0532	05 25.7 -51 18	05 26.9 -51 15	258.31	-33.81	F204	-37	-68	201	96
S0533	05 27.9 -50 32	05 29.1 -50 29	257.41	-33.42	F204	-19	-27	183	137
S0534	05 29.6 -49 17	05 30.9 -49 14	255.95	-33.06	F204	-5	40	169	204
S0535	05 31.6 -36 23	05 33.3 -36 20	241.01	-30.65	F363	-48	-74	212	90
S0536	05 32.5 -30 50	05 34.4 -30 48	234.87	-29.05	F423	119	-45	45	119
S0537	05 33.5 -59 26	05 34.2 -59 24	268.07	-32.84	F120	-61	32	225	196
S0538	05 34.2 -42 50	05 35.7 -42 48	248.50	-31.44	F306	-39	-151	203	13
S0539	05 34.6 -39 48	05 36.2 -39 46	245.04	-30.81	F306	-36	12	200	176
S0540	05 38.5 -40 52	05 40.1 -40 50	246.42	-30.29	F306	4	-45	160	119
S0541	05 39.5 -59 44	05 40.2 -59 42	268.42	-32.08	F120	-20	16	184	180
S0542	05 43.7 -48 07	05 45.0 -48 05	254.90	-30.61	F204	120	101	44	265
S0543	05 44.6 -47 12	05 46.0 -47 10	253.87	-30.33	F204	131	149	33	313
S0544	05 44.8 -29 53	05 46.7 -29 51	234.73	-26.24	F424	-4	8	168	172
S0545	05 44.9 -32 36	05 46.8 -32 34	237.64	-27.03	F363	101	127	63	291
S0546	05 46.7 -32 41	05 48.5 -32 40	237.85	-26.69	F364	-151	125	315	289
S0547	05 46.8 -47 26	05 48.2 -47 25	254.20	-30.00	F205	-121	137	285	301
S0548	05 47.5 -42 57	05 49.0 -42 56	249.16	-29.07	F254	-163	109	327	273
S0549	05 48.8 -32 17	05 50.7 -32 16	237.57	-26.15	F424	40	-121	124	43
S0550	05 49.1 -34 48	05 50.9 -34 47	240.29	-26.81	F364	-122	12	286	176

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0501	IR	III	2	13.5*	15.6	16.9	1O		0.0768	0	5	17.0
S0502	I	III	21	18.3	18.8	19.1	1O			0	6	17.3
S0503	I	II-III:	(67)	19.2:	19.7	20.4:	1C			1	6	17.5
S0504	I	III	86	19.2:	19.4	19.9	1C			2	6	17.3
S0505	IR	II	-12	14.7	15.3	15.6	2O	B		0	4	15.7
S0506	R	III	(121)	19.9	20.3	21.0	1C			2	6	17.4
S0507	R	II-III	0	18.8	19.0	19.4	1O			0	6	17.3
S0508	I	II	22	15.4	16.4	17.1	1O			0	5	17.1
S0509	I	II	-51	15.1	15.8	16.8	1O			0	5	16.9
S0510	IR	II-III	20	15.6	16.7	17.3	1O			0	5	17.1
S0511	I	II	15	15.2	16.7	17.4	1O			0	5	17.1
S0512	I	I-II	21	13.7	15.4	15.8	1O			0	4	15.9
S0513	I	II	-52	15.2	15.9	16.5	1O			0	5	16.6
S0514	IR	II-III	-23?	15.7	15.9	17.1	1O			0	5	17.1
S0515	IR	I-II	16	14.6	15.3	15.9	1O			0	4	16.0
S0516	R	II	(93)	19.3	20.0	20.9	1C			2	6	17.4
S0517	I	II	85	18.2:	19.0	19.8	1C			2	6	17.3
S0518	RI	I-II	29	15.4	16.1	17.2	1O			0	5	17.1
S0519	R	II-III	86	18.4	19.0:	20.1	2C			2	6	17.3
S0520	I?	I-II:	(83)	19.2?	20.0:	20.9	1C			2	6	17.4
S0521	IR	I	0:	12.1	12.9	14.5	1O		0.0150	0	2	14.6
S0522	RI	I-II	19	15.1	15.6	16.8	1O	D		0	5	16.9
S0523	I	II-III	90	18.4:	19.1	19.8	1C			2	6	17.3
S0524	I	II	-7	12.9	13.5	15.1	1O	D		0	3	15.2
S0525	I	II-III	24	17.2	18.0	18.6	1O			0	5	17.2
S0526	R	II-III	19:	17.8	18.8	19.3	1O,1C			0	6	17.3
S0527	IR?	I	5	15.0	15.5	16.4	2O			0	5	16.5
S0528	IR	I-II	21:	15.1	15.5	16.5	1C,1O	OQ		0	5	16.6
S0529	RI	II-III	25	15.6	15.7	17.1	1O	D		0	5	17.1
S0530	I	II-III	11	15.7	16.1	17.4	1O	D		0	5	17.1
S0531	I	II	17	15.8	17.3	17.5	1O			0	5	17.1
S0532	I	I-II	12	14.6	15.7	16.6	1O			0	5	16.7
S0533	I	II	22	15.5	16.0	17.3	1O			0	5	17.1
S0534	I	II	-7	13.3	15.3	15.9	1O			0	4	16.0
S0535	I	II	-5	11.3	14.6	15.4	1O			0	3	15.5
S0536	I	I	11	12.7	13.8	14.7	2O			0	2	14.8
S0537	R	I	-22	15.0	15.4	15.7	1O	BD		0	4	15.8
S0538	IR	I-II	-11:	14.4	15.1	15.5	1O			0	3	15.6
S0539	I	III	74	18.7	19.1	19.7	1O			1	6	17.3
S0540	R	I	22	12.8	14.7	15.3	1O		0.0358	0	3	15.4
S0541	RI	I-II	-97	15.1	15.8	16.2	1O	BD		0	4	16.3
S0542	RI	I	24	13.8	15.1	15.6	2O		0.0519	0	4	15.7
S0543	I	II	-11	15.4	15.9	17.4	2O			0	5	17.1
S0544	I	II	28	17.5	18.6	19.4	1O			0	6	17.3
S0545	RI	II	28	14.3	15.2	15.5	1O			0	3	15.6
S0546	I	II	23	14.8	15.1	16.5	1O			0	5	16.6
S0547	RI	I	-54?	14.1:	15.9	16.7:	3O			0	5	16.7
S0548	I	II	14	15.9	16.1	17.3	2O			0	5	17.1
S0549	R	I-II	-57:	15.3	15.9	16.5	2O		0.0403	0	5	16.6
S0550	RI:	II	3	13.3	14.5	15.5:	2O			0	3	15.6

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0551	05 49.4 -49 41	05 50.7 -49 40	256.84	-29.91	F205	-93	18	257	182
S0552	05 50.3 -57 07	05 51.1 -57 06	265.42	-30.57	F120	58	155	106	319
S0553	05 52.4 -39 13	05 54.1 -39 12	245.27	-27.33	F307	-119	44	283	208
S0554	05 54.1 -20 37	05 56.2 -20 36	226.04	-21.05	F555	-39	-31	203	133
S0555	05 55.5 -37 29	05 57.2 -37 28	243.57	-26.30	F364	-51	-130	215	34
S0556	05 56.1 -43 51	05 57.6 -43 50	250.53	-27.73	F254	-78	63	242	227
S0557	05 56.1 -47 06	05 57.5 -47 05	254.14	-28.38	F205	-36	157	200	321
S0558	05 57.4 -59 52	05 58.0 -59 51	268.67	-29.84	F120	101	5	63	169
S0559	05 59.6 -39 00	06 01.3 -39 00	245.43	-25.92	F307	-44	55	208	219
S0560	06 00.0 -58 36	06 00.7 -58 36	267.25	-29.40	F120	124	72	40	236
S0561	06 00.3 -60 35	06 00.9 -60 35	269.52	-29.53	F120	117	-35	47	129
S0562	06 00.6 -27 46	06 02.6 -27 46	233.78	-22.28	F425	-89	120	253	284
S0563	06 01.6 -32 44	06 03.4 -32 44	238.95	-23.72	F364	17	124	147	288
S0564	06 04.3 -42 45	06 05.8 -42 45	249.72	-26.02	F254	2	122	162	286
S0565	06 04.4 -50 24	06 05.6 -50 24	258.10	-27.65	F205	35	-21	129	143
S0566	06 05.7 -45 11	06 07.1 -45 11	252.42	-26.36	F254	14	-8	150	156
S0567	06 05.7 -62 48	06 06.1 -62 48	272.11	-29.05	F086	83	117	81	281
S0568	06 07.2 -27 30	06 09.2 -27 30	234.07	-20.81	F425	-12	135	176	299
S0569	06 08.3 -47 37	06 09.6 -47 37	255.18	-26.46	F205	74	128	90	292
S0570	06 09.1 -32 33	06 11.0 -32 33	239.32	-22.16	F425	10	-136	154	28
S0571	06 09.8 -33 07	06 11.6 -33 07	239.95	-22.21	F365	-161	100	325	264
S0572	06 10.0 -43 59	06 11.5 -43 59	251.33	-25.33	F254	57	55	107	219
S0573	06 10.2 -32 57	06 12.0 -32 57	239.81	-22.08	F364	114	110	50	274
S0574	06 11.1 -45 04	06 12.5 -45 04	252.54	-25.40	F254	65	-3	99	161
S0575	06 11.6 -33 40	06 13.4 -33 40	240.64	-22.03	F365	-141	70	305	234
S0576	06 13.0 -44 33	06 14.5 -44 34	252.08	-24.95	F254	84	24	80	188
S0577	06 13.5 -34 06	06 15.3 -34 07	241.22	-21.80	F364	148	47	16	211
S0578	06 13.6 -29 15	06 15.5 -29 16	236.35	-20.12	F425	64	41	100	205
S0579	06 14.9 -39 47	06 16.5 -39 48	247.17	-23.30	F308	-159	10	323	174
S0580	06 15.1 -51 50	06 16.2 -51 51	260.04	-26.27	F205	122	-100	42	64
S0581	06 15.7 -23 40	06 17.8 -23 41	231.06	-17.61	F489	20	72	144	236
S0582	06 19.7 -62 54	06 20.1 -62 55	272.40	-27.47	F087	-102	112	266	276
S0583	06 20.4 -26 21	06 22.4 -26 22	234.09	-17.65	F489	74	-72	90	92
S0584	06 21.9 -53 34	06 23.0 -53 35	262.16	-25.62	F160	149	72	15	236
S0585	06 22.2 -64 54	06 22.4 -64 55	274.67	-27.43	F086	169	-5	-5	159
S0586	06 22.5 -76 32	06 20.4 -76 33	287.80	-28.13	F033	158	-100	6	64
S0587	06 23.0 -56 58	06 23.9 -56 59	265.90	-26.14	F160	143	-111	21	53
S0588	06 23.6 -32 16	06 25.5 -32 17	240.16	-19.19	F365	-6	147	170	311
S0589	06 26.7 -32 27	06 28.6 -32 29	240.58	-18.65	F365	28	137	136	301
S0590	06 29.0 -41 57	06 30.6 -41 59	250.27	-21.42	F255	-29	163	193	327
S0591	06 32.5 -34 54	06 34.3 -34 56	243.45	-18.40	F365	90	4	74	168
S0592	06 37.8 -53 55	06 38.9 -53 57	263.14	-23.42	F161	12	58	152	222
S0593	06 38.4 -37 43	06 40.1 -37 45	246.67	-18.30	F308	86	122	78	286
S0594	06 41.5 -63 54	06 41.8 -63 57	273.93	-25.22	F087	28	61	136	225
S0595	06 43.7 -36 57	06 45.4 -37 00	246.33	-17.04	F366	-48	-102	212	62
S0596	06 43.8 -37 17	06 45.5 -37 20	246.66	-17.15	F366	-47	-120	211	44
S0597	06 47.5 -32 58	06 49.4 -33 01	242.81	-14.79	F366	-6	111	170	275
S0598	06 48.9 -67 45	06 48.8 -67 48	278.27	-25.22	F058	-38	122	202	286
S0599	06 54.3 -55 29	06 55.3 -55 32	265.48	-21.56	F162	-116	-26	280	138
S0600	06 54.8 -60 06	06 55.5 -60 09	270.28	-22.81	F122	-25	-4	189	160

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0551	I	III	25	17.5	17.6	18.1	1O			0	5	17.2
S0552	IR	II	-7	14.4:	15.1	16.1	1O			0	4	16.2
S0553	I	III	24	16.0	18.6	19.1	1O			0	6	17.3
S0554	IR	II-III	96	17.7	19.1	19.7	1O			2	5	17.2
S0555	R	I	-2	13.4	14.9	16.0	2O			0	4	16.1
S0556	RI	II	29	15.4	16.0	17.2	1O			0	5	17.1
S0557	RI	I-II	14	15.6	16.0	17.4	1O			0	5	17.1
S0558	I	II	17	13.2	13.8	14.8	1O			0	3	14.9
S0559	I	II	-5	13.9	14.0	15.0	1O			0	3	15.1
S0560	RI	I	-10	13.4	14.8	15.3	1O	D		0	3	15.4
S0561	RI	I	-8:	14.0	14.6	15.7	1O			0	4	15.8
S0562	I	I-II	-9	14.8	15.6	16.1	1O			0	4	16.1
S0563	I	II	17	15.0	15.4	16.1	1O			0	4	16.1
S0564	IR	II	-30:	15.4	15.6	16.4	2O			0	4	16.4
S0565	I:	III	19	15.9	17.7	18.1	1O			0	5	17.2
S0566	I	II	7	15.1	15.3	15.6	1O			0	4	15.7
S0567	I	I	-26:	15.3	15.9	16.8	1O	Q		0	5	16.9
S0568	I	I-II	-2	13.9	15.4	16.4	1O			0	4	16.4
S0569	IR	I	-13	13.1	14.6	16.4	1O		0.0405	0	5	16.5
S0570	RI:	II	0	14.1	15.2	16.0	2O			0	4	16.0
S0571	RI	I	-1?	14.1	15.7	16.2	1O			0	4	16.2
S0572	I	II	-10	14.6	15.3	16.0	1O			0	4	16.0
S0573	RI	I-II	9:	14.6	15.4	16.0	1O			0	4	16.0
S0574	I	I	19:	14.5	15.0	15.4	1O		(0.0140)	0	3	15.4
S0575	RI	I	8	13.8	15.6	16.7	1O			0	5	16.7
S0576	I	I-II	-52:	15.2	15.9	16.7	1O			0	5	16.7
S0577	RI	I-II	27	16.1	16.8	18.0	1O			0	5	17.1
S0578	I	I-II	-17	14.8	15.4	16.1	1O			0	4	16.1
S0579	I	III	15	17.5	17.8	18.0	1O			0	5	17.1
S0580	IR	I	-7	13.8	15.3	16.0	3O			0	4	16.1
S0581	I	II	18	15.0	15.5	16.1	1O			0	4	16.0
S0582	I	III:	(99)	19.3	19.8	20.8	1C			2	6	17.4
S0583	I	III	29	17.7	18.6	19.2	1O			0	5	17.1
S0584	IR	I-II	1	15.1	15.5	16.0	1O		0.0473	0	4	16.0
S0585	I:	I	1?	12.3	13.5	14.7	1O		0.0241	0	2	14.8
S0586	I	II	0	16.1	16.4	17.5	1O	BD		0	5	17.1
S0587	I	II	12	15.3	15.9	17.3	1O	D		0	5	17.1
S0588	I	I-II	7	13.4	15.6	17.2	1O			0	5	16.9
S0589	RI	I-II	1?	14.6	15.2	16.5	1O			0	4	16.4
S0590	R	I	48	17.9	19.1	19.8	1C			0	5	17.2
S0591	I	I-II	-24	12.6	14.6	16.2	1O			0	4	16.1
S0592	R	II-III:	(63)	19.0	19.3:	20.6	1C			1	6	17.3
S0593	I	I-II	0	13.5	13.7	15.1	1O			0	3	15.0
S0594	RI	III	(48)	18.7	19.1	20.1	1C			0	5	17.2
S0595	RI	I	1	13.0	15.4	16.0	1O	s		0	4	15.9
S0596	R	I-II	4:	18.7	19.1	19.5	1O			0	5	17.1
S0597	I	I-II	5:	15.1	15.4	16.0	1O			0	4	15.8
S0598	IR	I-II	-32	14.7	15.9	17.1	1O	B		0	5	17.0
S0599	IR	I-II	-18	14.8	15.2	15.7	1O	D		0	4	15.7
S0600	I	III	19	17.4	18.8	19.3	1O			0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0601	06 59.8 -49 40	07 01.1 -49 44	259.90	-18.89	F207	-3	20	167	184
S0602	07 08.2 -50 05	07 09.5 -50 09	260.83	-17.78	F207	69	-5	95	159
S0603	07 09.4 -73 26	07 08.4 -73 30	284.78	-24.75	F034	127	75	37	239
S0604	07 16.4 -49 04	07 17.7 -49 09	260.38	-16.16	F208	-122	51	286	215
S0605	07 31.8 -84 52	07 22.7 -84 58	297.38	-26.33	F005	21	10	143	174
S0606	07 56.4 -53 08	07 57.7 -53 16	267.01	-12.34	F209	-32	-167	196	-3
S0607	07 57.8 -84 58	07 49.1 -85 05	297.67	-25.81	F006	-116	-16	280	148
S0608	08 03.1 -57 37	08 04.2 -57 45	271.49	-13.74	F124	-79	128	243	292
S0609	08 12.6 -79 29	08 10.1 -79 38	292.31	-23.24	F018	-117	20	281	184
S0610	08 24.3 -27 12	08 26.4 -27 21	248.08	6.24	F431	-20	151	184	315
S0611	08 24.7 -19 54	08 26.9 -20 03	242.07	10.48	F562	6	5	158	169
S0612	08 28.9 -18 06	08 31.2 -18 16	241.13	12.32	F562	61	101	103	265
S0613	08 45.9 -22 55	08 48.1 -23 06	247.52	12.71	F496	-28	112	192	276
S0614	09 19.3 -17 17	09 21.6 -17 29	248.10	22.35	F565	-100	147	264	311
S0615	09 20.7 -22 07	09 23.0 -22 19	252.22	19.41	F497	132	154	32	318
S0616	09 31.3 -27 00	09 33.5 -27 13	257.71	17.79	F498	-9	-105	173	59
S0617	09 35.6 -20 07	09 37.9 -20 20	253.19	23.31	F565	106	-5	58	159
S0618	09 37.3 -29 17	09 39.5 -29 30	260.37	17.09	F434	25	40	139	204
S0619	09 41.6 -30 31	09 43.8 -30 44	261.97	16.82	F434	76	-25	88	139
S0620	09 46.7 -25 48	09 49.0 -26 02	259.46	21.05	F499	-91	-43	255	121
S0621	09 57.0 -32 50	09 59.2 -33 04	266.14	17.22	F374	-36	117	200	281
S0622	09 58.6 -37 57	10 00.7 -38 11	269.73	13.43	F374	-19	-158	183	6
S0623	09 58.7 -18 49	10 01.1 -19 03	256.48	28.06	F566	135	63	29	227
S0624	09 59.1 -38 03	10 01.2 -38 17	269.87	13.42	F316	11	104	153	268
S0625	10 00.6 -21 51	10 02.9 -22 05	259.14	26.11	F567	-106	-100	270	64
S0626	10 02.4 -32 02	10 04.6 -32 16	266.55	18.56	F374	26	159	138	323
S0627	10 03.2 -35 16	10 05.4 -35 30	268.77	16.12	F374	32	-15	132	149
S0628	10 04.0 -39 30	10 06.1 -39 44	271.55	12.85	F316	62	26	102	190
S0629	10 05.5 -32 15	10 07.7 -32 29	267.23	18.79	F374	61	147	103	311
S0630	10 07.3 -33 26	10 09.5 -33 40	268.31	18.09	F374	79	83	85	247
S0631	10 07.5 -39 42	10 09.6 -39 56	272.23	13.09	F316	98	15	66	179
S0632	10 16.1 -34 00	10 18.3 -34 15	270.21	18.72	F375	-90	57	254	221
S0633	10 19.9 -36 35	10 22.1 -36 50	272.43	17.04	F375	-47	-80	211	84
S0634	10 27.3 -28 33	10 29.6 -28 48	268.97	24.55	F436	72	77	92	241
S0635	10 27.6 -33 15	10 29.9 -33 30	271.86	20.69	F375	36	94	128	258
S0636	10 27.8 -35 04	10 30.1 -35 19	272.96	19.19	F375	38	0	126	164
S0637	10 29.7 -29 08	10 32.0 -29 23	269.81	24.37	F436	90	44	74	208
S0638	10 36.7 -33 50	10 39.0 -34 05	273.91	21.21	F375	138	64	26	228
S0639	10 38.4 -45 56	10 40.6 -46 11	280.54	10.91	F264	-55	-49	219	115
S0640	10 40.4 -30 33	10 42.7 -30 48	272.79	24.42	F437	-44	-28	208	136
S0641	10 40.4 -33 12	10 42.7 -33 27	274.27	22.15	F376	-85	97	249	261
S0642	10 40.7 -47 22	10 42.9 -47 37	281.60	9.84	F214	97	140	67	304
S0643	10 42.2 -40 22	10 44.4 -40 37	278.38	16.11	F318	-83	-19	247	145
S0644	10 42.8 -19 10	10 45.2 -19 25	266.26	34.30	F569	-106	47	270	211
S0645	10 43.8 -18 12	10 46.2 -18 27	265.84	35.23	F569	-92	100	256	264
S0646	10 43.8 -29 05	10 46.2 -29 20	272.65	26.06	F437	-5	50	169	214
S0647	10 45.7 -32 35	10 48.0 -32 50	274.98	23.24	F376	-26	130	190	294
S0648	10 46.9 -42 35	10 49.1 -42 50	280.28	14.58	F318	-34	-137	198	27
S0649	11 00.3 -25 30	11 02.7 -25 46	274.27	30.98	F502	2	-25	162	139
S0650	11 02.5 -48 01	11 04.8 -48 17	285.23	10.88	F215	21	108	143	272

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0601	R:	I-II	16	14.3	15.4	16.1	1O		0.0441	0	4	16.0
S0602	I	II	3	15.4	15.6	16.4	1O			0	4	16.3
S0603	I	III	25	16.8	17.3	18.2	2O			0	5	17.1
S0604	I	II	8	15.1	15.9	16.7	1O			0	5	16.6
S0605	IR	II-III	25	16.5	17.0	17.8	2O			0	5	17.1
S0606	RI	I-II	9?	15.4	15.6	16.8	1O			0	5	16.5
S0607	IR	III	23	15.9	16.5	18.0	2O			0	5	17.2
S0608	IR	II-III	22	15.7	16.1	17.5	1O			0	5	16.8
S0609	I	II-III	0	16.1	16.9	17.5	1O			0	5	17.0
S0610	R	I	-53	14.9	15.9	16.8	1O			0	4	16.2
S0611	I	II	18	15.5	16.1	17.3	1O			0	5	16.9
S0612	I	II	1	15.7	17.0	17.8	1O			0	5	17.0
S0613	RI	I-II	10	15.1	16.0	16.8	1O			0	5	16.8
S0614	I	III	103	19.1	19.3	20.1	1C			2	6	17.5
S0615	RI	I-II	1	15.3	15.4	16.8	1O			0	5	17.0
S0616	R	II:	(113)	19.5	20.0	20.8	1C			2	6	17.5
S0617	R	II:	23	12.6	14.2:	15.4?	1C,1O			0	3	15.6
S0618	IR	II	-41	15.6	15.9	17.5	1O			0	5	17.2
S0619	I	III?	(76)	19.2	19.4	20.0	1C			1	6	17.4
S0620	RI	I	-6	14.4	15.4	16.8	1O			0	5	17.1
S0621	RI	III	14	18.5	18.9	19.6	1O			0	6	17.4
S0622	I	I-II	-13?	14.7	15.3	16.0	1O			0	4	16.1
S0623	RI	I	-32	13.7	15.9	16.8	1O			0	5	17.1
S0624	I	II	-13	14.6	14.8	15.7	1O			0	4	15.8
S0625	I	III	59	18.8	19.3	19.8	1C			1	6	17.5
S0626	IR	I-II	16	15.5	17.9	17.4	1O			0	5	17.2
S0627	RI	I-II	-9	18.3	19.1	19.4	1O			0	6	17.3
S0628	I	I	-27	13.1	14.7	15.1	1O			0	3	15.1
S0629	I	III	18	18.6	18.9	19.4	1O			0	6	17.4
S0630	RI	I-II	-5	14.7	15.8	17.0	1O			0	5	17.2
S0631	I	I	-15	13.0	14.1	15.6	1O			0	3	15.6
S0632	I	II-III	9	15.7	16.0	17.4	1O			0	5	17.2
S0633	IR	I-II	25	15.1	16.0	16.9	1O			0	5	17.1
S0634	I	II-III	77	18.0:	18.9	19.8	1C			1	6	17.5
S0635	I	III?	76	18.8	19.2	19.9	1C			1	6	17.5
S0636	I	I-II	1	11.7	12.1	13.2	1O		0.0087	0	1	13.4
S0637	I	II-III	94	19.3	19.5	20.0	1C			2	6	17.5
S0638	R	III	64	18.5	19.3	20.0	1O,1C			1	6	17.5
S0639	R:	I-II	14	12.7	13.6	14.8	1O	KS	0.0204	0	2	14.7
S0640	I	II	-10	13.2:	14.6	15.8	1O	B		0	4	16.1
S0641	I	I-II	21	18.8	19.5	19.9	1O			0	6	17.5
S0642	I	II	6	13.4	15.3	16.7	1O			0	5	16.5
S0643	I	I-II	-13	13.7	15.4	16.1	1O			0	4	16.2
S0644	I	III	55	18.8	19.0	19.8	1C			1	6	17.6
S0645	RI	III:	127	19.1?	19.7	20.8	1C			2	6	17.7
S0646	I	I-II	-5	13.6?	15.6	16.4	1O			0	5	16.7
S0647	I	I-II	25	14.8	16.1	17.5	1O			0	6	17.3
S0648	I	I-II	9	15.4	16.0	16.7	1O			0	5	16.8
S0649	RI	I-II	-52	15.1	15.9	16.7	1O	K		0	5	17.1
S0650	I	II	15	15.4	15.6	17.0	2O			0	5	16.7

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0651	11 04.9 -22 45	11 07.4 -23 01	273.83	33.90	F502	58	123	106	287
S0652	11 05.8 -33 19	11 08.2 -33 35	279.44	24.53	F377	-73	91	237	255
S0653	11 07.5 -27 21	11 09.9 -27 37	276.91	30.07	F438	2	145	162	309
S0654	11 08.4 -45 48	11 10.7 -46 04	285.28	13.32	F265	-36	-41	200	123
S0655	11 08.5 -46 39	11 10.8 -46 55	285.63	12.54	F265	-34	-86	198	78
S0656	11 08.9 -32 20	11 11.3 -32 36	279.64	25.70	F438	18	-123	146	41
S0657	11 09.8 -28 37	11 12.2 -28 53	278.07	29.15	F438	29	75	135	239
S0658	11 09.9 -23 57	11 12.4 -24 13	275.72	33.36	F502	118	57	46	221
S0659	11 15.1 -22 55	11 17.6 -23 11	276.46	34.81	F503	-86	112	250	276
S0660	11 16.4 -39 04	11 18.8 -39 20	284.04	20.11	F319	1	51	163	215
S0661	11 18.7 -40 35	11 21.1 -40 51	285.06	18.86	F319	23	-31	141	133
S0662	11 19.3 -29 48	11 21.8 -30 04	280.79	28.91	F438	140	12	24	176
S0663	11 21.2 -41 44	11 23.6 -42 00	285.96	17.95	F319	48	-92	116	72
S0664	11 23.1 -44 49	11 25.5 -45 05	287.40	15.17	F266	-162	6	326	170
S0665	11 23.4 -35 07	11 25.8 -35 23	283.89	24.29	F377	122	-7	42	157
S0666	11 25.5 -22 42	11 28.0 -22 58	279.04	35.99	F503	43	124	121	288
S0667	11 25.7 -37 33	11 28.1 -37 49	285.29	22.17	F319	100	131	64	295
S0668	11 26.4 -23 53	11 28.9 -24 09	279.83	34.98	F503	52	61	112	225
S0669	11 29.7 -50 28	11 32.1 -50 44	290.34	10.18	F216	-3	-25	167	139
S0670	11 35.0 -47 22	11 37.4 -47 38	290.24	13.40	F266	-47	-127	211	37
S0671	11 36.5 -44 08	11 39.0 -44 24	289.54	16.57	F266	-35	47	199	211
S0672	11 37.5 -23 37	11 40.0 -23 53	282.63	36.14	F504	-82	77	246	241
S0673	11 37.8 -46 25	11 40.3 -46 41	290.44	14.44	F266	-22	-76	186	88
S0674	11 39.5 -30 33	11 42.0 -30 49	285.78	29.72	F439	108	-32	56	132
S0675	11 41.9 -26 29	11 44.4 -26 45	284.91	33.75	F504	-29	-76	193	88
S0676	11 44.8 -32 32	11 47.3 -32 48	287.68	28.15	F378	96	132	68	296
S0677	11 47.5 -32 15	11 50.0 -32 31	288.21	28.58	F440	-65	-119	229	45
S0678	11 48.1 -33 36	11 50.6 -33 52	288.76	27.31	F379	-138	75	302	239
S0679	11 48.6 -32 53	11 51.1 -33 09	288.66	28.03	F379	-133	114	297	278
S0680	11 50.3 -31 15	11 52.8 -31 31	288.57	29.70	F440	-34	-66	198	98
S0681	11 53.6 -45 31	11 56.1 -45 47	292.96	16.00	F266	127	-30	37	134
S0682	11 53.9 -22 29	11 56.5 -22 45	286.71	38.37	F572	-3	-133	167	31
S0683	11 54.1 -31 29	11 56.6 -31 45	289.54	29.68	F440	10	-79	154	85
S0684	11 54.7 -30 43	11 57.3 -30 59	289.47	30.46	F440	18	-37	146	127
S0685	12 00.4 -40 52	12 03.0 -41 08	293.20	20.81	F321	-81	-46	245	118
S0686	12 03.1 -19 39	12 05.7 -19 55	288.49	41.66	F572	113	19	51	183
S0687	12 04.1 -28 00	12 06.7 -28 16	291.10	33.56	F440	129	106	35	270
S0688	12 08.1 -22 02	12 10.7 -22 18	290.68	39.59	F573	-85	-108	249	56
S0689	12 08.5 -46 24	12 11.1 -46 40	295.78	15.63	F267	0	-74	164	90
S0690	12 11.4 -25 32	12 14.0 -25 48	292.47	36.30	F505	63	-27	101	137
S0691	12 12.2 -30 48	12 14.8 -31 04	293.77	31.14	F441	-48	-41	212	123
S0692	12 16.0 -33 37	12 18.6 -33 53	295.19	28.48	F380	-93	74	257	238
S0693	12 21.5 -39 41	12 24.2 -39 57	297.28	22.61	F321	136	16	28	180
S0694	12 22.9 -40 19	12 25.6 -40 35	297.65	22.01	F321	149	-19	15	145
S0695	12 23.9 -41 45	12 26.6 -42 01	298.01	20.61	F321	156	-96	8	68
S0696	12 27.2 -19 38	12 29.8 -19 54	296.02	42.67	F574	-114	19	278	183
S0697	12 29.5 -33 59	12 32.2 -34 15	298.41	28.44	F380	58	55	106	219
S0698	12 32.7 -23 09	12 35.3 -23 25	298.16	39.30	F506	56	101	108	265
S0699	12 33.8 -43 08	12 36.5 -43 24	300.07	19.38	F268	-23	101	187	265
S0700	12 34.0 -33 38	12 36.7 -33 54	299.44	28.86	F380	109	72	55	236

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0651	I	I-II	26	14.6	16.1	17.1	1O			0	6	17.4
S0652	IR	I	23	16.1	18.0	18.6	1O			0	6	17.4
S0653	R	I-II	94	17.9	18.8	19.8	1C			2	6	17.6
S0654	IR	II	19	15.3	15.7	16.7	1O			0	5	16.7
S0655	I	II	-16	14.6	15.1	15.4	1O			0	3	15.4
S0656	I	I-II	123	17.7	18.3	19.7	1C			2	6	17.5
S0657	I	II:	111	18.3	18.9	20.0	1C			2	6	17.6
S0658	I	II	19	16.0	16.3	18.0	1O			0	6	17.5
S0659	I	II-III	12	17.5	18.6	19.0	1O			0	6	17.5
S0660	RI	II	16	15.8	15.9	17.3	1O			0	5	17.2
S0661	I	I-II	12	15.9	16.0	16.8	1O			0	5	17.0
S0662	I	II	95	18.7	19.3	19.9	1C			2	6	17.6
S0663	RI	I	1	15.1	15.7	17.3	1O			0	5	17.2
S0664	I	I-II	7	15.0	15.6	16.9	1O			0	5	17.0
S0665	RI	I	12	13.3	14.9	15.8	2O		0.0318	0	4	16.0
S0666	I	II-III	29	15.1	16.0	17.5	1O			0	6	17.4
S0667	I	II	-16	14.6	15.2	16.7	1O			0	5	17.0
S0668	IR	I-II	3	15.4	16.0	16.8	1O			0	5	17.2
S0669	I	II-III	-3	15.3	15.5	16.0	1O			0	4	15.9
S0670	I	II	20	16.0	16.1	16.8	1O			0	5	16.8
S0671	RI	I-II	26	15.1	16.3	17.3	1O			0	5	17.2
S0672	I	III	57	19.1	19.3	19.8	1O			1	6	17.6
S0673	I	I-II	12	14.7	15.6	16.0	1O			0	4	16.1
S0674	I	III	18	16.5	17.5	18.1	2O			0	6	17.5
S0675	RI	I-II	29	15.3	16.0	16.7	1O			0	5	17.1
S0676	I	II	-1	15.2	15.6	17.3	1O			0	6	17.3
S0677	I	II	-15	14.5	14.7	16.0	1O			0	4	16.4
S0678	RI	II	15	15.4	15.6	16.3	1O			0	5	16.6
S0679	RI	I-II	26	16.0	16.8	17.5	1O			0	6	17.3
S0680	IR	I-II	23:	15.2	15.4	16.5	1O			0	5	16.9
S0681	I	I-II	14	15.8	17.3	17.9	2O			0	5	17.1
S0682	RI:	I-II	84	19.3	19.4	20.0	1C,1O			2	6	17.6
S0683	IR	I-II	10:	14.5	15.7	16.1	1O			0	5	16.5
S0684	I	II	19	15.3	16.0	17.5	1O			0	6	17.4
S0685	I	II	26	16.0	16.9	18.0	1O			0	6	17.4
S0686	R	III	30	18.8	19.1	19.7	1C			0	6	17.6
S0687	IR	II	-4	14.0	14.4	15.9	2O	B		0	4	16.3
S0688	RI	III	19	18.1	18.3	19.3	1C			0	6	17.6
S0689	RI	I-II	0	14.7	15.1	15.8	1O			0	4	15.9
S0690	RI	II	26:	15.5	15.6	17.5	1O			0	6	17.4
S0691	I	II	6	15.2	16.0	17.8	1O			0	6	17.4
S0692	RI	I-II	11	17.8	18.9	19.4	1O			0	6	17.6
S0693	IR	I	8	14.6	16.0	16.7	1O			0	5	17.0
S0694	I	III	22	16.8	17.5	18.0	1O			0	6	17.4
S0695	IR	II	-62	15.4	15.9	16.8	1O			0	5	17.0
S0696	I	I-II	12	15.3	16.1	17.5	1O			0	6	17.4
S0697	RI	I	20	15.8	18.1	18.6	1O			0	6	17.5
S0698	I:	I	10:	14.6:	16.1	17.5	1O			0	6	17.4
S0699	IR	I-II	20	15.1	16.0	16.9	1O			0	5	17.1
S0700	RI	II	-1:	15.6	16.2	17.0:	2O			0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0701	12 34.1 -35 16	12 36.8 -35 32	299.59	27.23	F380	107	-14	57	150
S0702	12 35.1 -42 24	12 37.8 -42 40	300.28	20.13	F268	-9	140	173	304
S0703	12 35.4 -34 29	12 38.1 -34 45	299.83	28.03	F380	122	27	42	191
S0704	12 35.5 -38 34	12 38.2 -38 50	300.12	23.96	F322	10	78	154	242
S0705	12 36.8 -43 25	12 39.5 -43 41	300.66	19.13	F268	6	86	158	250
S0706	12 38.4 -33 06	12 41.1 -33 22	300.46	29.45	F381	-109	101	273	265
S0707	12 40.7 -42 40	12 43.5 -42 56	301.39	19.91	F268	46	126	118	290
S0708	12 41.7 -33 09	12 44.4 -33 25	301.25	29.43	F381	-72	99	236	263
S0709	12 43.6 -42 20	12 46.4 -42 36	301.94	20.26	F268	75	143	89	307
S0710	12 45.7 -21 32	12 48.4 -21 48	301.99	41.06	F574	119	-83	45	81
S0711	12 46.8 -19 33	12 49.4 -19 49	302.30	43.05	F575	-132	25	296	189
S0712	12 46.8 -43 48	12 49.6 -44 04	302.59	18.80	F268	103	63	61	227
S0713	12 48.5 -22 16	12 51.2 -22 32	302.86	40.33	F575	-108	-120	272	44
S0714	12 48.8 -26 11	12 51.5 -26 27	302.95	36.42	F507	-16	-63	180	101
S0715	12 50.4 -27 25	12 53.1 -27 41	303.39	35.18	F507	1	-130	163	34
S0716	12 51.7 -17 46	12 54.3 -18 02	303.91	44.83	F575	-70	122	234	286
S0717	12 55.4 -27 57	12 58.1 -28 13	304.73	34.63	F507	61	-158	103	6
S0718	12 57.0 -33 24	12 59.7 -33 40	304.92	29.17	F381	100	84	64	248
S0719	13 00.9 -19 15	13 03.6 -19 31	306.87	43.26	F575	47	41	117	205
S0720	13 01.4 -19 46	13 04.1 -20 02	306.98	42.74	F575	53	14	111	178
S0721	13 03.3 -37 19	13 06.1 -37 35	306.15	25.20	F382	-96	-123	260	41
S0722	13 04.3 -19 59	13 07.0 -20 15	307.88	42.47	F575	89	2	75	166
S0723	13 06.4 -44 31	13 09.3 -44 46	306.27	17.97	F269	19	28	145	192
S0724	13 10.5 -32 41	13 13.3 -32 56	308.22	29.70	F382	-20	127	184	291
S0725	13 11.4 -29 56	13 14.2 -30 11	308.76	32.42	F443	106	4	58	168
S0726	13 12.4 -33 23	13 15.2 -33 38	308.59	28.96	F382	1	90	163	254
S0727	13 17.6 -40 45	13 20.5 -41 00	308.83	21.53	F324	-89	-40	253	124
S0728	13 18.1 -27 03	13 20.9 -27 18	310.93	35.10	F508	72	-110	92	54
S0729	13 18.7 -35 32	13 21.5 -35 47	309.77	26.68	F382	69	-26	95	138
S0730	13 19.2 -26 43	13 22.0 -26 58	311.29	35.40	F508	84	-93	80	71
S0731	13 20.2 -34 37	13 23.0 -34 52	310.24	27.55	F382	87	23	77	187
S0732	13 21.9 -25 46	13 24.7 -26 01	312.20	36.25	F508	119	-42	45	122
S0733	13 23.0 -36 59	13 25.9 -37 14	310.50	25.12	F382	114	-105	50	59
S0734	13 25.0 -40 52	13 27.9 -41 07	310.30	21.22	F324	-14	-45	178	119
S0735	13 25.8 -20 41	13 28.5 -20 56	314.46	41.10	F576	96	-37	68	127
S0736	13 28.2 -27 47	13 31.0 -28 02	313.48	34.02	F444	38	119	126	283
S0737	13 32.5 -39 49	13 35.4 -40 04	312.00	22.02	F324	62	11	102	175
S0738	13 35.0 -45 03	13 38.0 -45 18	311.47	16.79	F270	25	0	139	164
S0739	13 40.0 -34 43	13 42.9 -34 58	314.73	26.72	F383	40	17	124	181
S0740	13 40.6 -37 56	13 43.5 -38 11	314.08	23.56	F325	-125	111	289	275
S0741	13 41.3 -19 33	13 44.0 -19 48	319.51	41.37	F577	28	24	136	188
S0742	13 41.7 -34 03	13 44.6 -34 18	315.28	27.29	F383	59	53	105	217
S0743	13 43.3 -39 39	13 46.3 -39 53	314.23	21.77	F325	-93	20	257	184
S0744	13 44.6 -31 54	13 47.5 -32 08	316.52	29.24	F383	94	168	70	332
S0745	13 45.3 -36 14	13 48.2 -36 28	315.51	25.00	F383	96	-65	68	99
S0746	13 46.9 -34 44	13 49.8 -34 58	316.26	26.38	F383	116	16	48	180
S0747	13 48.1 -35 53	13 51.0 -36 07	316.21	25.20	F383	127	-46	37	118
S0748	13 49.7 -32 09	13 52.6 -32 23	317.65	28.72	F383	151	153	13	317
S0749	13 50.1 -34 07	13 53.0 -34 21	317.15	26.80	F384	-79	48	243	212
S0750	13 50.6 -38 06	13 53.6 -38 20	316.12	22.93	F325	-19	105	183	269

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0701	RI	I-II	28	15.3:	16.5	17.3	2O			0	6	17.3
S0702	RI	I	-8	13.5	15.4	16.7	1O			0	5	16.9
S0703	I	II	17	15.6	16.1	17.3	2O			0	6	17.3
S0704	I?	II?	63	18.9	19.3?	19.8	1C			1	6	17.5
S0705	I	III	-60	15.6	15.9	16.7	1O			0	5	16.9
S0706	I	II-III	-4	18.0	19.1	19.6	1O			0	6	17.6
S0707	I	II	-7	12.2:	13.6	15.1	1O			0	3	15.3
S0708	RI	I	-11	17.3	19.1	19.4	1O			0	6	17.6
S0709	I	II	2	15.2	16.1	16.4	1O			0	5	16.6
S0710	IR	II	0	15.1	15.7	16.6	1O			0	5	17.0
S0711	I	II-III	0	16.0	17.1	18.1	1O			0	6	17.5
S0712	RI	I	-23	13.4	14.8	15.5	1O			0	4	15.7
S0713	RI:	I	3	14.9	15.4	16.0	2O			0	4	16.4
S0714	R:	I	-7	11.3	12.6	13.4	1O			0	1	13.8
S0715	R:	I	16	14.8	15.6	16.6	1O			0	5	17.0
S0716	I	II-III	16	16.1	17.0	17.3	1O			0	6	17.4
S0717	RI	I	-1:	15.3	15.4	16.8	1O			0	5	17.2
S0718	R	I	16	15.0	15.5	16.0	1O			0	4	16.4
S0719	I	II	3	14.6	15.3	15.9	1O			0	4	16.3
S0720	I	II	-7	14.5	15.4	16.7	1O			0	5	17.1
S0721	RI:	II	26	13.5	15.1:	16.0	2O,1C	O		0	4	16.3
S0722	I	I-II	-5	14.5	15.4	16.8	1O			0	5	17.2
S0723	I	II	-12	13.8	14.8	16.6	1O			0	5	16.8
S0724	I	II	7	15.3	15.7	17.6	1O			0	6	17.4
S0725	IR:	II	21:	16.2:	16.4:	17.3	1C,1O			0	6	17.4
S0726	I	II	12	14.6	15.4	16.7	1O		0.0590	0	5	17.1
S0727	I	I-II	3	15.0	15.6	16.8	1O	B		0	5	17.1
S0728	RI?	II-III	27:	15.0	15.6	16.5	2O			0	5	16.9
S0729	RI	I	19	13.7	15.0	16.6	1O	K	0.0499	0	5	16.9
S0730	I	I-II	6	14.6	15.3	16.7	1O			0	5	17.1
S0731	I	I-II	29	14.5	14.9	16.1	1O			0	4	16.4
S0732	I	II	1	15.4	15.5	17.0	1O	B		0	6	17.4
S0733	I	II	-21:	15.3	15.7	16.6	3O			0	5	16.9
S0734	R	I-II	8	14.9	15.6	16.4	1O	BK	0.0503	0	5	16.7
S0735	RI:	II	21	13.0	14.1	15.4	2O			0	4	15.7
S0736	RI	I-II	25	13.1	15.9	17.3	1O			0	6	17.4
S0737	RI	I-II	-2	14.6	15.4	16.6	1O			0	5	16.9
S0738	RI	I-II	17	15.4	16.3	16.8	1O			0	5	17.0
S0739	I	II	17	15.3	15.6	16.7	1O			0	5	17.0
S0740	RI:	I-II	2	12.8	14.6	15.4	2O	D	0.0336	0	3	15.6
S0741	I	II	10	13.8	14.4	16.0	1O			0	4	16.4
S0742	I	I-II	11	14.6	14.8	15.5	1O			0	4	15.8
S0743	I	I-II	-9	14.4	14.6	16.0	1O	D	(0.0315)	0	4	16.3
S0744	RI	I	-13:	14.4	15.9	16.7	1O			0	5	17.1
S0745	I	III	2	18.6	19.1	19.5	1O			0	6	17.5
S0746	I	II	8	14.8	15.3	15.8	1O			0	4	16.1
S0747	I	II	4	14.9	15.7	16.4	1O			0	5	16.7
S0748	IR	II	-8?	14.6	15.3	16.9	1O			0	6	17.3
S0749	R	II:	103	18.4?	19.3:	20.2	1C			2	6	17.6
S0750	RI	I-II	16	15.9	16.2	17.4	1O	D		0	6	17.3

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0751	13 51.3 -25 29	13 54.1 -25 43	320.23	35.03	F510	-60	-25	224	139
S0752	13 52.2 -19 22	13 54.9 -19 36	322.84	40.79	F578	-100	35	264	199
S0753	14 00.7 -33 44	14 03.6 -33 58	319.63	26.55	F384	5	69	159	233
S0754	14 03.3 -39 35	14 06.3 -39 49	318.23	20.82	F325	113	25	51	189
S0755	14 06.5 -25 13	14 09.3 -25 27	324.28	34.17	F511	-143	-13	307	151
S0756	14 06.7 -17 38	14 09.5 -17 52	327.92	41.19	F578	85	127	79	291
S0757	14 09.3 -32 54	14 12.3 -33 08	321.84	26.75	F384	100	114	64	278
S0758	14 09.4 -34 05	14 12.4 -34 19	321.41	25.63	F384	101	49	63	213
S0759	14 13.2 -22 23	14 16.0 -22 36	327.32	36.22	F511	-62	141	226	305
S0760	14 15.4 -36 57	14 18.4 -37 10	321.58	22.52	F326	-29	158	193	322
S0761	14 15.9 -27 12	14 18.8 -27 25	325.73	31.55	F511	-27	-118	191	46
S0762	14 18.6 -42 10	14 21.7 -42 23	320.23	17.43	F272	-94	150	258	314
S0763	14 20.0 -30 54	14 22.9 -31 07	325.04	27.79	F447	-163	-55	327	109
S0764	14 23.2 -23 44	14 26.1 -23 57	329.20	34.04	F511	61	67	103	231
S0765	14 30.3 -33 33	14 33.3 -33 46	326.07	24.49	F385	67	78	97	242
S0766	14 31.4 -32 15	14 34.4 -32 28	326.90	25.57	F447	-32	-120	196	44
S0767	14 31.7 -32 28	14 34.7 -32 41	326.87	25.34	F385	84	136	80	300
S0768	14 33.1 -31 01	14 36.1 -31 14	327.86	26.52	F447	-13	-94	177	70
S0769	14 36.4 -28 45	14 39.4 -28 57	329.72	28.24	F447	25	67	139	231
S0770	14 38.6 -37 45	14 41.7 -37 57	325.78	19.97	F327	-60	122	224	286
S0771	14 38.8 -38 37	14 41.9 -38 49	325.42	19.17	F327	-57	75	221	239
S0772	14 39.8 -42 05	14 43.0 -42 17	324.04	15.96	F327	-44	-111	208	53
S0773	14 44.7 -19 00	14 47.5 -19 12	337.33	35.80	F580	32	54	132	218
S0774	14 46.2 -40 09	14 49.4 -40 21	326.06	17.16	F327	20	-6	144	158
S0775	14 48.3 -37 47	14 51.4 -37 59	327.58	19.07	F327	42	120	122	284
S0776	14 50.6 -37 21	14 53.7 -37 33	328.23	19.24	F327	67	143	97	307
S0777	14 50.8 -30 55	14 53.8 -31 07	331.64	24.85	F448	-74	-49	238	115
S0778	14 53.3 -37 24	14 56.5 -37 36	328.70	18.94	F386	55	-128	109	36
S0779	14 54.4 -32 18	14 57.5 -32 30	331.61	23.26	F386	71	145	93	309
S0780	14 56.8 -17 58	14 59.6 -18 09	340.96	35.07	F581	-83	110	247	274
S0781	14 57.1 -17 53	14 59.9 -18 04	341.09	35.10	F581	-78	115	242	279
S0782	14 57.3 -30 09	15 00.3 -30 20	333.39	24.80	F448	2	-7	162	157
S0783	14 58.1 -18 03	15 00.9 -18 14	341.21	34.83	F581	-66	106	230	270
S0784	15 21.9 -20 45	15 24.8 -20 55	344.57	29.29	F582	-27	-39	191	125
S0785	15 30.8 -85 17	15 44.5 -85 26	306.35	-23.77	F008	72	-23	92	141
S0786	15 44.6 -23 30	15 47.6 -23 39	347.02	23.78	F515	-15	82	179	246
S0787	15 52.4 -84 13	16 04.6 -84 21	307.52	-23.30	F009	-78	31	242	195
S0788	15 52.9 -83 03	16 03.4 -83 11	308.41	-22.47	F009	-94	92	258	256
S0789	16 05.1 -82 50	16 15.6 -82 57	308.86	-22.58	F009	-77	108	241	272
S0790	16 38.9 -19 16	16 41.8 -19 21	359.52	17.38	F586	-117	40	281	204
S0791	16 53.0 -85 50	17 10.5 -85 54	307.04	-25.32	F009	0	-41	164	123
S0792	16 55.0 -82 07	17 05.4 -82 11	310.56	-23.44	F023	44	-113	120	51
S0793	17 06.4 -81 09	17 16.0 -81 12	311.69	-23.30	F023	73	-65	91	99
S0794	17 23.5 -66 39	17 28.6 -66 41	325.72	-17.11	F102	-68	-88	232	76
S0795	17 26.1 -76 20	17 33.2 -76 22	316.79	-21.90	F044	-33	-71	197	93
S0796	17 46.3 -75 27	17 53.2 -75 27	318.20	-22.65	F044	32	-23	132	141
S0797	17 47.4 -65 29	17 52.4 -65 29	327.99	-18.72	F102	61	-26	103	138
S0798	17 55.2 -79 45	18 03.9 -79 45	313.98	-24.59	F024	-14	15	178	179
S0799	18 16.2 -72 01	18 22.2 -71 59	322.47	-23.49	F071	17	-107	147	57
S0800	18 20.8 -77 12	18 28.2 -77 10	317.06	-25.13	F024	58	150	106	314

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0751	RI	I-II	26	17.8	18.1	18.6	1O			0	6	17.5
S0752	IR	II	-3	14.4:	14.5	16.1	1O	Q		0	5	16.5
S0753	RI	I	18	11.1:	12.4?	13.6	1C	O	0.0140	0	1	13.9
S0754	RI	I-II	-9	12.9	14.1	16.1	1O	D	(0.0281)	0	4	16.4
S0755	IR	III	3	19.1	19.3	19.5	1O			0	6	17.6
S0756	I	I-II	-3	13.1	14.2	15.8	1O			0	4	16.2
S0757	RI	I	10	14.5:	15.0	15.6	1C	O		0	4	15.9
S0758	RI	II?	16	13.6?	14.8	15.5	1C	O		0	4	15.8
S0759	IR	I-II	11:	15.1	15.7	17.0	1O			0	6	17.4
S0760	I	II-III	(73)	19.2?	19.5	20.1	1C			1	6	17.5
S0761	RI	II	7	12.9	14.8	15.4	1O			0	4	15.8
S0762	I:	II:	(44)	19.3	19.8	20.4:	1C			0	6	17.5
S0763	I:	I-II	0*	15.0	15.8:	17.1?	1C			0	6	17.3
S0764	I	II	7	14.9	15.6	17.0	1O			0	6	17.4
S0765	I	II	-22	14.1	15.1	16.7	1O			0	5	17.0
S0766	R	II-III	74	18.9	19.4	19.9	1C			1	6	17.5
S0767	R:	I	25	16.0	17.3	17.9	1O			0	6	17.3
S0768	I	II:	172	18.5	19.4	20.1	1C			3	6	17.5
S0769	R	II-III:	102	18.9	19.2	19.7	1C			2	6	17.5
S0770	I	II	-8?	13.8	14.6	16.1	1O			0	4	16.3
S0771	I	I-II	14	15.2	16.1	17.7	1O			0	5	17.2
S0772	I	I	-4	14.5	15.5	16.6	1O			0	5	16.7
S0773	I	I-II	23	15.3	15.7	17.5	1O			0	6	17.4
S0774	IR	II-III	11	15.4	15.6	16.7	1O			0	5	16.9
S0775	IR	I	6:	12.9	14.6	15.4	1O			0	3	15.6
S0776	I	I-II	24:	15.5	16.4	17.6	1O			0	5	17.2
S0777	R:	I-II	1	16.3	17.2	17.5	1C			0	6	17.3
S0778	I	I-II	4	11.8	13.3:	14.6	2O	BK	0.0237	0	2	14.8
S0779	R:	III	-17	19.1	19.2	19.4	1O			0	6	17.5
S0780	R	I	116	17.8	19.4	20.0	1C			2	6	17.6
S0781	I	III	82	19.5	19.7	20.1	1C			2	6	17.6
S0782	R:	II:	130	18.0	18.7	19.8	1C			3	6	17.5
S0783	I	II-III	131	19.1	19.4	20.0	1C			3	6	17.6
S0784	R	III	28	18.0	18.6	19.3	1O			0	6	17.6
S0785	IR	II	13	15.5	16.0	17.2	2O			0	5	17.0
S0786	I	II-III	29	16.7	17.8	18.0	1O			0	6	17.4
S0787	IR	I-II	11	14.9	15.6	16.6	1O			0	5	16.6
S0788	IR	II	24	15.4	16.1	17.6	1O			0	5	17.0
S0789	RI	I-II	26	15.7	16.4	18.0	1O			0	5	17.1
S0790	IR	I	-15?	18.0	19.2	19.3	1O			0	6	17.4
S0791	I	II-III	8	15.4	16.1	16.9	1A			0	5	16.8
S0792	R	I	12	15.4	16.7	17.4	3O	D		0	5	17.0
S0793	I	I-II	16	15.6	16.8	17.4	2O	D		0	5	17.0
S0794	I	II	-31	14.2	15.1	15.7	1O	BD		0	3	15.6
S0795	IR	II	-32	15.1	15.9	17.1	1O			0	5	17.0
S0796	I	II	6	15.1	16.3	16.8	1O			0	5	16.8
S0797	I	II	-13	14.3	15.4	15.8	1O	D		0	4	15.7
S0798	I	II-III	25	16.0	16.5	18.1	1O			0	5	17.1
S0799	I	II?	(80)	17.9?	18.5?	20.0	1C			2	5	17.2
S0800		I	-20	13.8	15.0	16.2	1O	D		0	4	16.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0801	18 23.5 -51 34	18 27.5 -51 32	343.36	-17.41	F230	-55	-83	219	81
S0802	18 24.2 -46 58	18 27.9 -46 56	347.82	-15.72	F281	-151	-109	315	55
S0803	18 27.1 -72 55	18 33.3 -72 52	321.76	-24.52	F071	58	-157	106	7
S0804	18 31.9 -67 48	18 37.2 -67 45	327.30	-23.65	F071	98	114	66	278
S0805	18 42.5 -63 23	18 47.2 -63 19	332.26	-23.59	F103	133	81	31	245
S0806	18 47.4 -54 55	18 51.5 -54 51	341.28	-21.90	F183	39	5	125	169
S0807	18 55.8 -82 22	19 06.3 -82 17	311.61	-27.36	F010	-35	140	199	304
S0808	18 56.9 -49 10	19 00.7 -49 05	347.66	-21.60	F231	-29	45	193	209
S0809	19 02.0 -82 28	19 12.6 -82 23	311.50	-27.57	F025	-50	-134	214	30
S0810	19 06.1 -75 23	19 12.7 -75 18	319.49	-27.52	F045	76	-22	88	142
S0811	19 13.3 -52 31	19 17.2 -52 25	344.89	-24.98	F184	-19	134	183	298
S0812	19 18.0 -35 21	19 21.3 -35 15	3.05	-20.96	F397	63	-19	101	145
S0813	19 25.1 -59 06	19 29.4 -58 59	337.99	-27.80	F142	-90	48	254	212
S0814	19 25.4 -41 16	19 28.9 -41 09	357.43	-24.15	F338	-50	-67	214	97
S0815	19 26.5 -52 45	19 30.4 -52 38	345.09	-26.99	F232	-27	-145	191	19
S0816	19 26.8 -63 42	19 31.4 -63 35	332.83	-28.50	F105	-128	67	292	231
S0817	19 27.5 -52 11	19 31.4 -52 04	345.75	-27.04	F232	-21	-115	185	49
S0818	19 27.8 -71 32	19 33.4 -71 25	323.91	-28.94	F073	-118	-86	282	78
S0819	19 28.2 -61 01	19 32.6 -60 54	335.89	-28.41	F142	-66	-54	230	110
S0820	19 30.0 -39 47	19 33.4 -39 40	359.26	-24.57	F338	-4	13	168	177
S0821	19 31.2 -50 59	19 35.0 -50 52	347.19	-27.38	F232	10	-51	154	113
S0822	19 34.0 -46 29	19 37.6 -46 22	352.25	-26.94	F283	-21	-79	185	85
S0823	19 35.6 -53 17	19 39.5 -53 10	344.75	-28.43	F185	-101	91	265	255
S0824	19 36.8 -45 45	19 40.4 -45 38	353.17	-27.25	F283	5	-39	159	125
S0825	19 37.5 -82 58	19 48.1 -82 50	310.85	-28.66	F010	37	109	127	273
S0826	19 39.4 -67 07	19 44.3 -66 59	328.98	-29.95	F073	-86	153	250	317
S0827	19 43.0 -43 04	19 46.5 -42 56	356.40	-27.75	F283	66	104	98	268
S0828	19 43.6 -52 05	19 47.4 -51 57	346.31	-29.46	F185	-38	157	202	321
S0829	19 43.7 -43 23	19 47.2 -43 15	356.08	-27.95	F283	72	87	92	251
S0830	19 45.5 -34 03	19 48.7 -33 55	6.31	-25.92	F398	103	53	61	217
S0831	19 48.4 -32 19	19 51.6 -32 11	8.35	-26.00	F399	-134	143	298	307
S0832	19 51.1 -41 19	19 54.5 -41 11	358.71	-28.84	F339	-50	-70	214	94
S0833	19 53.7 -83 15	20 04.3 -83 06	310.43	-29.08	F011	-160	56	324	220
S0834	19 54.6 -34 56	19 57.8 -34 47	5.94	-27.97	F399	-61	5	225	169
S0835	19 54.7 -52 46	19 58.5 -52 37	345.74	-31.22	F185	52	119	112	283
S0836	19 54.8 -32 48	19 58.0 -32 39	8.27	-27.43	F399	-61	119	225	283
S0837	19 56.0 -83 29	20 06.9 -83 20	310.15	-29.10	F010	63	78	101	242
S0838	19 57.0 -38 59	20 00.3 -38 50	1.60	-29.42	F339	10	56	154	220
S0839	19 57.5 -53 04	20 01.3 -52 55	345.44	-31.66	F185	75	103	89	267
S0840	19 59.4 -56 06	20 03.4 -55 57	341.89	-32.12	F185	84	-59	80	105
S0841	20 00.9 -65 46	20 05.6 -65 37	330.47	-32.15	F105	68	-38	96	126
S0842	20 01.8 -39 25	20 05.1 -39 16	1.34	-30.43	F339	58	30	106	194
S0843	20 02.0 -66 20	20 06.7 -66 11	329.79	-32.22	F105	72	-69	92	95
S0844	20 03.6 -53 17	20 07.4 -53 08	345.25	-32.59	F185	123	89	41	253
S0845	20 03.8 -52 43	20 07.6 -52 34	345.93	-32.59	F185	126	119	38	283
S0846	20 03.8 -64 54	20 08.4 -64 45	331.46	-32.51	F105	89	6	75	170
S0847	20 04.7 -31 35	20 07.8 -31 26	10.26	-29.10	F461	95	-82	69	82
S0848	20 05.1 -35 33	20 08.3 -35 24	5.88	-30.20	F399	54	-28	110	136
S0849	20 05.2 -54 32	20 09.1 -54 23	343.78	-32.88	F186	-126	23	290	187
S0850	20 06.1 -54 07	20 10.0 -53 58	344.29	-33.00	F185	140	43	24	207

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0801	I	II	-30	12.9	15.1	15.5	1O	D	0.0511	0	3	15.4
S0802	I	II	8?	14.7:	15.6	16.9	1C,1O			0	5	16.7
S0803	RI	II-III?	(55)	19.3	19.6	20.2	1C			1	6	17.3
S0804	R	II-III	(92)	19.3	19.7	20.2	1C			2	6	17.3
S0805	R	I	8	12.0	13.7	14.7	2O	DdS	0.0139	0	2	14.7
S0806	I	II	-36:	15.1?	15.9	17.1	1O			0	5	17.0
S0807	I	III	2	17.2	18.8	19.1	1O			0	6	17.3
S0808	R:	I-II	17	14.2	15.3	16.1	1O	D		0	4	16.1
S0809	I	II	29	16.7	17.4	17.8	1O	B		0	5	17.1
S0810	IR	I-II	-5	15.1	15.3	16.5	1O	D		0	5	16.6
S0811	I	II	-24:	15.3	15.6	16.6	2O	BD	0.0688	0	5	16.7
S0812	R:	I	-17	15.6	15.8	18.9	1O			0	5	17.1
S0813	I	III	21	17.1	17.4	17.8	1C			0	5	17.1
S0814	IR	I	3	14.8	16.0	17.5	1O			0	5	17.0
S0815	I	III:	(66)	19.2:	19.4	20.1	1C			1	6	17.3
S0816	I	III	13	17.5	17.9	19.0	1C			0	5	17.2
S0817	I	III	74	19.1	19.3	19.7	1C			1	6	17.3
S0818	R:	I	105	18.0	19.7	20.1	1C			2	6	17.3
S0819	I	II	24	17.2	18.0	19.5:	1C			0	6	17.3
S0820	RI	I	18	14.7	16.1	17.1	1O			0	5	17.0
S0821	RI	III:	(87)	19.4	19.7	20.6	1C			2	6	17.4
S0822	I	II-III	23	15.3	16.8	17.4	1O			0	5	17.1
S0823	I	II-III	21	15.0	15.2	15.4	1O,1A	BDQ	0.0518	0	3	15.5
S0824	I	II	7	15.3	15.7	17.1	1O			0	5	17.1
S0825	I	III	19	17.4	18.7	19.2	1O			0	6	17.3
S0826	I	II-III	-9	17.1:	18.5	18.7	1C			0	5	17.2
S0827	RI	I-II	-10	17.5	18.4:	18.6:	2O			0	6	17.3
S0828	IR	II	19	15.3	15.4	16.6	1O	D		0	5	16.7
S0829	IR	I-II	23	16.0	16.7	17.1	1O	D		0	5	17.1
S0830	RI	III	(128)	19.2	19.5	20.0	1C			2	6	17.3
S0831	R	I	21	16.1	18.6	19.3	1O			0	6	17.3
S0832	I	II:	29	17.2	17.5	17.9	1C			0	5	17.1
S0833	I	II-III	15	15.4	16.1	17.3	2O			0	5	17.1
S0834	I	II	26:	15.8	16.6	17.8	1O			0	5	17.1
S0835	I	II	15	13.9	15.2	15.6	1O,1A	Q	0.0470	0	4	15.7
S0836	R	I	-1	12.6	14.5	14.8	1O			0	3	14.9
S0837	I	II:	13	15.9	16.1	17.3	2O	Q		0	5	17.1
S0838	I	I-II:	131	19.5	19.7:	20.1	1C			3	6	17.3
S0839	IR	I-II:	17	14.3	14.9	15.1	2O,1A	BQ	0.0426	0	3	15.3
S0840	RI:	I-II:	15	11.4:	12.3	13.9?	2O,1A	DQ	0.0152	0	1	13.9
S0841	I	II	76	18.6	19.2	19.9	1C			1	6	17.3
S0842	I	III	155	19.4:	19.6:	19.9:	1C			3	6	17.3
S0843	I	II:	88	19.2	19.4	19.9	1C			2	6	17.3
S0844	IR	I-II	14	13.9	15.7	16.2	1O	DQ	0.0405	0	4	16.3
S0845	IR	III	23	16.1	16.8	17.5	1O			0	5	17.1
S0846	I	III	29	17.3:	17.7	18.8	1C			0	5	17.2
S0847	I	III	23	16.6?	17.4	17.9	1C			0	5	17.1
S0848	I	II	11	15.3	17.0	18.0	1O			0	5	17.2
S0849	IR	I-II	10	14.2	15.6	16.4	2O	DQ		0	5	16.5
S0850	IR	II-III	6	15.4	15.5	16.9	1O	D		0	5	17.0

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0851	20 06.3 -48 32	20 09.9 -48 23	350.92	-32.64	F233	52	82	112	246
S0852	20 07.1 -34 10	20 10.3 -34 01	7.54	-30.26	F399	77	46	87	210
S0853	20 07.3 -47 21	20 10.9 -47 12	352.34	-32.68	F233	62	145	102	309
S0854	20 07.4 -56 53	20 11.4 -56 44	340.99	-33.24	F185	140	-105	24	59
S0855	20 07.5 -32 03	20 10.6 -31 54	9.93	-29.80	F399	82	159	82	323
S0856	20 08.0 -65 23	20 12.6 -65 14	330.85	-32.91	F105	107	-21	57	143
S0857	20 09.6 -57 38	20 13.6 -57 28	340.09	-33.53	F186	-85	-141	249	23
S0858	20 11.3 -19 38	20 14.2 -19 28	23.61	-26.65	F596	-88	22	252	186
S0859	20 12.5 -61 41	20 16.8 -61 31	335.21	-33.72	F143	-24	-90	188	74
S0860	20 13.3 -86 21	20 29.8 -86 11	306.89	-28.66	F011	-69	-85	233	79
S0861	20 15.0 -52 51	20 18.8 -52 41	345.85	-34.28	F186	-52	115	216	279
S0862	20 15.8 -78 08	20 22.7 -77 58	315.91	-31.19	F026	-123	86	287	250
S0863	20 15.9 -39 23	20 19.2 -39 13	1.99	-33.09	F340	-65	35	229	199
S0864	20 16.1 -27 22	20 19.1 -27 12	15.73	-30.27	F462	-39	143	203	307
S0865	20 17.3 -33 26	20 20.5 -33 16	8.98	-32.14	F400	-79	84	243	248
S0866	20 18.2 -49 52	20 21.8 -49 42	349.49	-34.68	F234	-104	7	268	171
S0867	20 18.5 -41 09	20 21.9 -40 59	0.00	-33.87	F340	-37	-59	201	105
S0868	20 20.1 -21 06	20 23.0 -20 56	22.90	-29.10	F596	22	-56	142	108
S0869	20 21.7 -61 58	20 25.9 -61 48	334.75	-34.78	F143	34	-105	130	59
S0870	20 21.7 -80 47	20 29.7 -80 37	312.87	-30.68	F026	-83	-51	247	113
S0871	20 22.3 -51 28	20 26.0 -51 18	347.56	-35.38	F234	-67	-78	231	86
S0872	20 22.6 -76 39	20 28.9 -76 29	317.47	-31.95	F047	-101	-93	265	71
S0873	20 22.7 -33 43	20 25.9 -33 33	8.96	-33.30	F400	-18	71	182	235
S0874	20 23.0 -27 51	20 26.0 -27 41	15.71	-31.87	F462	43	120	121	284
S0875	20 23.9 -77 13	20 30.4 -77 02	316.81	-31.86	F026	-109	138	273	302
S0876	20 25.6 -48 42	20 29.2 -48 31	350.98	-35.84	F234	-42	71	206	235
S0877	20 27.4 -53 52	20 31.2 -53 41	344.60	-36.13	F186	47	62	117	226
S0878	20 27.6 -48 25	20 31.2 -48 14	351.35	-36.16	F234	-24	86	188	250
S0879	20 29.1 -41 12	20 32.4 -41 01	0.27	-35.85	F340	70	-62	94	102
S0880	20 30.1 -59 52	20 34.2 -59 41	337.16	-36.04	F143	93	5	71	169
S0881	20 31.6 -57 28	20 35.5 -57 17	340.09	-36.49	F143	111	137	53	301
S0882	20 32.1 -43 37	20 35.5 -43 26	357.36	-36.65	F285	-1	75	165	239
S0883	20 32.1 -58 29	20 36.1 -58 18	338.83	-36.45	F143	111	78	53	242
S0884	20 32.2 -50 51	20 35.8 -50 40	348.33	-36.93	F234	16	-44	148	120
S0885	20 32.6 -57 48	20 36.5 -57 37	339.66	-36.59	F143	116	115	48	279
S0886	20 34.1 -31 49	20 37.2 -31 38	11.85	-35.21	F463	-92	-97	256	67
S0887	20 34.4 -37 20	20 37.6 -37 09	5.19	-36.33	F340	130	144	34	308
S0888	20 35.7 -58 02	20 39.6 -57 51	339.32	-36.97	F143	138	101	26	265
S0889	20 36.3 -53 14	20 40.0 -53 03	345.31	-37.48	F187	-146	91	310	255
S0890	20 37.2 -40 15	20 40.5 -40 04	1.67	-37.26	F341	-113	-13	277	151
S0891	20 37.8 -20 55	20 40.7 -20 44	24.76	-32.91	F597	-18	-49	182	115
S0892	20 38.5 -37 50	20 41.7 -37 39	4.72	-37.21	F341	-103	116	267	280
S0893	20 39.9 -73 36	20 45.3 -73 25	320.54	-33.92	F047	-58	75	222	239
S0894	20 40.6 -26 36	20 43.6 -26 25	18.47	-35.28	F528	100	-82	64	82
S0895	20 42.0 -18 25	20 44.8 -18 14	27.96	-32.96	F597	35	85	129	249
S0896	20 42.0 -40 09	20 45.3 -39 58	1.92	-38.17	F341	-64	-7	228	157
S0897	20 44.2 -38 36	20 47.4 -38 24	3.94	-38.42	F341	-43	76	207	240
S0898	20 44.4 -30 21	20 47.4 -30 09	14.23	-37.03	F463	25	-16	139	148
S0899	20 45.2 -39 03	20 48.4 -38 51	3.40	-38.66	F341	-32	53	196	217
S0900	20 45.5 -38 11	20 48.7 -37 59	4.51	-38.62	F341	-29	99	193	263

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0851	RI	I	6	10.1	11.7	13.4	1O	S	0.0100	0	1	13.5
S0852	I	I-II	2	14.5	15.5	16.7	1O			0	5	16.8
S0853	I	II	-6	13.7	15.4	17.0	1O			0	5	17.1
S0854	IR	II	24	13.7	15.3	15.6	1O		0.0536	0	4	15.7
S0855	IR	I-II	26	16.1	16.8	18.0	1O			0	5	17.2
S0856	I	II	27	17.0:	17.3	18.0	1C	DQ		0	5	17.2
S0857	I	II-III	15	15.2?	16.0	17.1	1O			0	5	17.1
S0858	I	II-III	13	18.0	18.1	18.6	1O			0	5	17.2
S0859	IR	I-II	4	15.3	15.4	16.4	1O			0	5	16.5
S0860	RI	I	22	15.0	16.1	17.5	1O			0	5	17.1
S0861	IR	I-II	2	14.4	15.3	16.4	3O	BD		0	5	16.5
S0862	R:	II-III	14	17.8	18.6	19.3	1O			0	6	17.3
S0863	IR	I-II	6	15.4	15.6	17.1	1O			0	5	17.1
S0864	R:	III	120	19.4	19.5	20.1	1C			2	6	17.3
S0865	I	II	26	16.0	16.6	18.1	1O			0	5	17.2
S0866	I	I-II	-4	12.6	13.6	15.1	2O	B	0.0183	0	3	15.2
S0867	I	II	23	14.6	15.9	16.8	1O			0	5	16.9
S0868	RI	I	13	14.8	15.1	16.7	1O			0	5	16.8
S0869	I	I-II	3	15.8	16.2	16.8	1O			0	5	16.9
S0870	R:	III	25	17.7	18.4	19.3	1O			0	6	17.3
S0871	IR	II-III	9	18.0	18.4	18.6	1O	B		0	5	17.2
S0872	IR	I-II	28	15.7	16.5	17.5	1O	D		0	5	17.1
S0873	I	I-II	-29?	13.8	15.9	17.3	1O		(0.0371)	0	5	17.1
S0874	I	II?	127	18.7	19.6	20.2:	1C			2	6	17.4
S0875	I	II	15	15.8	16.0	17.4	1O			0	5	17.1
S0876	I	II	-9	15.1	15.4	16.8	1O			0	5	16.9
S0877	I	I-II	28?	15.1	17.4	18.1	1O			0	5	17.2
S0878	I	II-III	23	15.6	17.1	18.4	1O			0	5	17.2
S0879	I	I-II	24	17.3	18.6	18.8	1O			0	5	17.2
S0880	RI	II	9	18.6	18.9	19.3	1O			0	6	17.3
S0881	IR	II-III	17	15.9	16.4	17.5	2O			0	5	17.1
S0882	I	I	-14	13.8	14.7	16.1	1O		(0.0290)	0	4	16.2
S0883	I	II-III	11	15.4	16.0	16.6	1O			0	5	16.7
S0884	IR	I-II	20	15.5	16.7	17.5	1O			0	5	17.1
S0885	R:	I-II	22:	13.7	14.6	16.0	1O			0	4	16.1
S0886	I	II-III	9	15.4	16.1	17.8	1O			0	5	17.1
S0887	RI	I-II	14	15.4	16.4	17.5	2O			0	5	17.1
S0888	I	II	-3	15.1	15.4	17.1	1O			0	5	17.1
S0889	I:	II-III	7	14.7	14.8	15.9	1C	BD	0.0437	0	4	16.0
S0890	I	I	14	13.3	15.0	15.5	1O			0	3	15.6
S0891	I	I	2:	14.2	15.3	15.4	1O	Q		0	3	15.5
S0892	IR	II	16	14.6	15.5	16.0	1O		(0.0254)	0	4	16.1
S0893	I	II	-65	14.8	15.8	16.6	1O	D	0.0503	0	5	16.7
S0894	RI	I-II	5	13.7	15.0	15.9	1O	BQs	0.0409	0	4	16.0
S0895	RI	II	-42	15.6	15.8	16.7	1O	Q		0	5	16.8
S0896	I	II-III	28	15.9	16.8	18.1	1O	B		0	5	17.2
S0897	R	I	25:	12.9	15.1	15.6	1O		(0.0224)	0	4	15.7
S0898	IR	I-II	3	13.7	15.2	16.8	1O		(0.0282)	0	5	16.9
S0899	I	I	9:	13.9	15.2	16.4	1O			0	5	16.5
S0900	RI	I	12:	11.2	13.4	14.5	1O		0.0243	0	2	14.6

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0901	20 45.9 -41 22	20 49.2 -41 10	0.45	-39.01	F341	-23	-72	187	92
S0902	20 46.4 -72 05	20 51.5 -71 53	322.08	-34.87	F074	-5	-108	169	56
S0903	20 47.2 -24 17	20 50.1 -24 05	21.72	-36.04	F529	-85	41	249	205
S0904	20 48.5 -42 57	20 51.8 -42 45	358.45	-39.59	F286	-115	109	279	273
S0905	20 48.8 -25 42	20 51.8 -25 30	20.17	-36.80	F529	-64	-36	228	128
S0906	20 48.8 -52 09	20 52.4 -51 57	346.52	-39.45	F235	-97	-114	261	50
S0907	20 51.0 -43 15	20 54.3 -43 03	358.08	-40.06	F286	-89	93	253	257
S0908	20 51.8 -37 46	20 55.0 -37 34	5.23	-39.80	F341	38	121	126	285
S0909	20 52.2 -43 43	20 55.5 -43 31	357.48	-40.29	F286	-77	68	241	232
S0910	20 53.1 -64 51	20 57.4 -64 39	330.40	-37.66	F106	114	6	50	170
S0911	20 55.3 -43 09	20 58.6 -42 57	358.25	-40.84	F286	-48	99	212	263
S0912	20 56.2 -50 30	20 59.7 -50 18	348.53	-40.74	F235	-35	-25	199	139
S0913	20 56.2 -67 19	21 00.6 -67 07	327.32	-37.23	F074	38	147	126	311
S0914	20 57.6 -29 05	21 00.6 -28 53	16.62	-39.54	F464	-92	51	256	215
S0915	20 57.7 -41 11	21 01.0 -40 59	0.87	-41.21	F341	95	-63	69	101
S0916	20 58.4 -41 37	21 01.7 -41 25	0.30	-41.36	F341	102	-87	62	77
S0917	20 58.5 -38 42	21 01.7 -38 30	4.18	-41.20	F341	107	70	57	234
S0918	20 59.7 -38 11	21 02.9 -37 59	4.89	-41.39	F341	121	97	43	261
S0919	21 01.8 -43 38	21 05.1 -43 26	357.62	-42.02	F286	16	74	148	238
S0920	21 02.8 -57 52	21 06.6 -57 39	338.74	-40.54	F144	59	115	105	279
S0921	21 03.5 -45 02	21 06.8 -44 49	355.72	-42.30	F286	31	-1	133	163
S0922	21 03.7 -39 51	21 06.9 -39 38	2.73	-42.29	F341	155	10	9	174
S0923	21 04.2 -43 04	21 07.5 -42 51	358.38	-42.46	F286	40	103	124	267
S0924	21 04.5 -47 23	21 07.9 -47 10	352.54	-42.35	F286	39	-128	125	36
S0925	21 06.8 -27 13	21 09.8 -27 00	19.62	-41.08	F464	16	152	148	316
S0926	21 09.9 -77 08	21 15.7 -76 55	315.72	-34.24	F026	27	151	137	315
S0927	21 13.2 -59 37	21 17.0 -59 24	336.04	-41.40	F145	-131	17	295	181
S0928	21 14.7 -45 49	21 18.0 -45 36	354.50	-44.22	F287	-126	-45	290	119
S0929	21 14.9 -22 59	21 17.8 -22 46	25.71	-41.73	F599	-80	-159	244	5
S0930	21 15.5 -53 25	21 19.0 -53 12	344.06	-43.25	F188	-100	85	264	249
S0931	21 15.7 -49 01	21 19.1 -48 48	350.04	-44.04	F235	134	51	30	215
S0932	21 16.2 -72 31	21 21.0 -72 18	320.49	-36.78	F047	84	132	80	296
S0933	21 16.3 -45 36	21 19.6 -45 23	354.77	-44.52	F287	-111	-33	275	131
S0934	21 16.6 -85 14	21 27.5 -85 01	307.42	-30.19	F011	-23	-13	187	151
S0935	21 16.9 -54 41	21 20.5 -54 28	342.30	-43.17	F188	-82	17	246	181
S0936	21 17.3 -51 32	21 20.8 -51 19	346.53	-43.89	F235	140	-84	24	80
S0937	21 17.6 -63 48	21 21.6 -63 35	330.58	-40.51	F107	7	66	157	230
S0938	21 17.7 -33 11	21 20.7 -32 58	12.22	-44.50	F402	59	101	105	265
S0939	21 18.1 -46 49	21 21.4 -46 36	353.03	-44.71	F287	-93	-97	257	67
S0940	21 20.4 -21 18	21 23.2 -21 05	28.39	-42.43	F599	-12	-69	176	95
S0941	21 20.8 -56 32	21 24.4 -56 19	339.65	-43.23	F188	-49	-79	213	85
S0942	21 21.2 -20 24	21 24.0 -20 11	29.63	-42.32	F599	-1	-20	165	144
S0943	21 22.3 -63 15	21 26.2 -63 02	331.00	-41.20	F107	35	95	129	259
S0944	21 22.4 -31 07	21 25.4 -30 54	15.30	-45.19	F465	-68	-57	232	107
S0945	21 23.0 -48 15	21 26.3 -48 01	350.86	-45.35	F236	-65	94	229	258
S0946	21 23.3 -32 17	21 26.3 -32 03	13.70	-45.55	F465	-57	-120	221	44
S0947	21 25.8 -39 45	21 28.9 -39 31	3.00	-46.53	F342	116	-85	48	79
S0948	21 26.9 -38 39	21 30.0 -38 25	4.60	-46.74	F342	131	74	33	238
S0949	21 27.3 -84 10	21 36.3 -83 56	308.25	-31.02	F011	-14	45	178	209
S0950	21 28.8 -29 06	21 31.7 -28 52	18.48	-46.21	F465	4	53	160	217

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0901	I	I-II	11	15.5	16.0	17.3	1O			0	5	17.1
S0902	I	II-III	98	18.1	18.9	20.1	1C	D		2	6	17.3
S0903	R	I-II:	90	18.5	19.5	19.7	1C			2	6	17.3
S0904	I	II	-2	15.1	15.3	16.4	1O			0	5	16.6
S0905	I	III	117	19.4	19.8	20.1	1C			2	6	17.3
S0906	I	II	29:	13.9	14.6:	15.7	2C,1O	BDO	0.0467	0	4	15.9
S0907	RI	I	3	13.4	15.1	15.8	1O	DQ		0	4	16.0
S0908	I	I-II	28	15.6	16.8	17.6	1O			0	5	17.2
S0909	I	III	25	14.7	14.8	15.3	1A	Q		0	3	15.5
S0910	I	III	132	20.3	20.4	21.1	1C	Q	0.311	3	6	17.4
S0911	I	III	26	16.2	16.8	17.4	1O,1A			0	5	17.2
S0912	R	II-III	109	18.2	19.1	19.8	1C			2	6	17.4
S0913	I	I	3	18.0	18.7	19.8	1C			0	6	17.3
S0914	RI	I	-14	13.8	15.1	17.5	1O			0	5	17.2
S0915	I	II-III	0	14.4	15.6	16.8	1O			0	5	17.0
S0916	I	I-II	3	14.2	15.6	15.8	1O	B		0	4	16.0
S0917	R	I	18	13.3	14.4	15.4	1O			0	3	15.6
S0918	RI	I-II	7	13.5	13.8	15.3	1O	B		0	3	15.5
S0919	IR	I	6	12.9	14.6	15.6	1O	DQ	0.0487	0	4	15.8
S0920	I	II	45	18.0	19.0	19.7	1C			0	6	17.4
S0921	RI:	II	27	13.3	13.9:	15.3	1O,1A	DQ	0.0290	0	3	15.4
S0922	IR	I	24	13.8	14.5	15.1	1O,1C	Bd	0.0306	0	3	15.3
S0923	IR	II-III	28	15.3	16.1	17.4	1O	D		0	5	17.2
S0924	RI	I	13	12.1	13.5	15.7	1O		(0.0165)	0	4	15.9
S0925	RI	I-II	14	16.1	16.6	17.2	1O			0	5	17.2
S0926	IR	II	7	15.0	16.2	16.9	1O			0	5	17.0
S0927	I	II	29	14.1	14.7:	15.9	2C	DO	0.0602	0	4	16.2
S0928	RI	I-II	10:	13.8:	16.0	16.8	1O	Q		0	5	17.0
S0929	I	II	-29?	12.9:	13.8:	16.1:	1O			0	4	16.3
S0930	I	III	25	15.3	15.9	16.6	1C	D		0	5	16.8
S0931	I:	III	53	18.6	19.1	19.7	1C			1	6	17.4
S0932	RI	I	11	14.9	16.0	16.8	1O	BD		0	5	16.9
S0933	RI	I	24:	14.2	16.6	16.9	1O			0	5	17.1
S0934	IR	II	-4:	14.3	15.1	17.1	1O	Q		0	5	17.1
S0935	I:	III	67	18.9	19.3	19.7	1C			1	6	17.4
S0936	I:	III?	127	19.6?	19.7?	20.1	1C			2	6	17.4
S0937	I	III	53	18.4	19.0	19.8	1C			1	6	17.4
S0938	R	II-III	(51)	18.5	18.7	20.1	1C			1	6	17.4
S0939	RI	I	-4	14.5	15.4	16.9	1O			0	5	17.1
S0940	IR	II	-12	14.7	15.1	15.9	1O			0	4	16.1
S0941	I	II-III	11	16.1	16.7:	17.6	1C	D		0	5	17.2
S0942	RI	II	-2:	14.8	15.4'	16.7	1O			0	5	16.9
S0943	I	II	60	18.3	19.0	19.7	1C			1	6	17.4
S0944	R:	II-III	14	17.5	17.7	19.3:	1C			0	6	17.4
S0945	I	III	137	19.1	19.3	20.1	1C	BQ		3	6	17.4
S0946	R	I:	55	19.5	19.9	20.3	1C			1	6	17.5
S0947	RI:	III	9:	13.9	14.8	16.1	1C,1O	BK		0	4	16.3
S0948	R	III	40	19.1	19.1	19.7	1C			0	6	17.4
S0949	RI	I-II	-50	14.9	15.9	16.8	1O	Q		0	5	16.9
S0950	R	I:	102	18.1	18.9:	19.7	1C			2	6	17.4

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S0951	21 29.0 -19 52	21 31.8 -19 38	31.14	-43.88	F599	98	7	66	171
S0952	21 29.1 -35 25	21 32.1 -35 11	9.36	-47.06	F403	-78	-20	242	144
S0953	21 29.8 -72 16	21 34.4 -72 02	320.13	-37.80	F048	-125	140	289	304
S0954	21 31.0 -63 08	21 34.9 -62 54	330.62	-42.15	F145	-8	-165	172	-1
S0955	21 31.2 -83 34	21 39.5 -83 20	308.74	-31.46	F011	-9	78	173	242
S0956	21 31.3 -52 27	21 34.7 -52 13	344.60	-45.79	F188	29	138	135	302
S0957	21 32.2 -52 46	21 35.6 -52 32	344.11	-45.84	F188	38	122	126	286
S0958	21 32.7 -56 25	21 36.3 -56 11	339.12	-44.84	F188	38	-73	126	91
S0959	21 34.2 -47 16	21 37.5 -47 02	351.83	-47.36	F287	55	-121	109	43
S0960	21 34.7 -73 02	21 39.4 -72 48	319.06	-37.70	F048	-101	101	265	265
S0961	21 35.0 -27 56	21 37.9 -27 42	20.53	-47.33	F531	-36	-156	200	8
S0962	21 35.3 -27 59	21 38.2 -27 45	20.47	-47.41	F531	-33	-159	197	5
S0963	21 37.1 -22 42	21 39.9 -22 28	28.14	-46.54	F531	-15	124	179	288
S0964	21 40.3 -39 04	21 43.4 -38 50	3.93	-49.34	F343	-1	52	165	216
S0965	21 40.6 -44 00	21 43.8 -43 46	356.41	-48.97	F287	120	52	44	216
S0966	21 40.7 -43 36	21 43.9 -43 22	357.01	-49.05	F288	-151	73	315	237
S0967	21 41.3 -62 39	21 45.1 -62 25	330.53	-43.42	F108	-118	123	282	287
S0968	21 42.2 -51 50	21 45.6 -51 36	344.81	-47.57	F236	98	-98	66	66
S0969	21 42.5 -42 41	21 45.6 -42 27	358.34	-49.48	F288	-136	122	300	286
S0970	21 42.7 -34 53	21 45.7 -34 39	10.39	-49.80	F403	70	7	94	171
S0971	21 43.0 -46 45	21 46.2 -46 31	352.17	-48.93	F287	136	-96	28	68
S0972	21 43.2 -38 05	21 46.2 -37 51	5.42	-49.94	F403	73	-164	91	0
S0973	21 43.4 -86 40	21 55.9 -86 25	305.79	-29.67	F011	6	-89	158	75
S0974	21 45.0 -46 15	21 48.2 -46 01	352.81	-49.37	F288	-106	-66	270	98
S0975	21 45.1 -17 52	21 47.9 -17 38	35.69	-46.76	F600	37	115	127	279
S0976	21 45.6 -64 44	21 49.4 -64 30	327.70	-42.85	F108	-85	14	249	178
S0977	21 46.3 -21 24	21 49.1 -21 10	30.90	-48.20	F600	49	-75	115	89
S0978	21 48.2 -42 47	21 51.3 -42 32	357.98	-50.51	F343	79	-147	85	17
S0979	21 49.8 -56 38	21 53.3 -56 23	337.60	-46.96	F188	164	-91	0	73
S0980	21 51.7 -72 17	21 56.1 -72 02	318.93	-39.17	F048	-36	146	200	310
S0981	21 52.3 -55 49	21 55.7 -55 34	338.50	-47.60	F189	-60	-46	224	118
S0982	21 54.6 -65 42	21 58.4 -65 27	325.90	-43.16	F108	-32	-36	196	128
S0983	21 57.3 -19 27	22 00.0 -19 12	34.98	-50.02	F601	-75	32	239	196
S0984	21 57.8 -66 57	22 01.7 -66 42	324.24	-42.73	F108	-14	-102	178	62
S0985	21 57.9 -18 35	22 00.6 -18 20	36.32	-49.85	F601	-69	78	233	242
S0986	21 58.3 -69 53	22 02.4 -69 38	321.01	-41.04	F075	79	8	85	172
S0987	21 59.1 -22 40	22 01.9 -22 25	30.35	-51.41	F601	-51	-141	215	23
S0988	22 01.1 -58 22	22 04.5 -58 07	334.33	-47.56	F146	-63	89	227	253
S0989	22 01.2 -50 19	22 04.4 -50 04	345.58	-50.88	F237	6	-16	158	148
S0990	22 02.0 -63 23	22 05.6 -63 08	328.00	-45.09	F108	9	89	155	253
S0991	22 02.1 -66 56	22 05.9 -66 41	323.92	-43.08	F075	111	163	53	327
S0992	22 02.7 -38 23	22 05.7 -38 08	4.60	-53.74	F344	-38	88	202	252
S0993	22 03.7 -39 29	22 06.7 -39 14	2.71	-53.82	F344	-27	29	191	193
S0994	22 04.1 -85 21	22 12.9 -85 06	306.58	-30.85	F011	29	-19	135	145
S0995	22 05.1 -74 42	22 09.6 -74 27	315.76	-38.37	F048	16	17	148	181
S0996	22 05.8 -59 55	22 09.3 -59 40	331.90	-47.31	F146	-31	6	195	170
S0997	22 06.1 -35 22	22 09.0 -35 07	9.68	-54.59	F404	64	-18	100	146
S0998	22 07.2 -57 22	22 10.6 -57 07	335.06	-48.75	F146	-23	141	187	305
S0999	22 07.7 -21 09	22 10.5 -20 54	33.66	-52.87	F601	56	-59	108	105
S1000	22 08.6 -33 56	22 11.5 -33 41	12.16	-55.12	F404	93	59	71	223

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S0951	RI	II	-12	15.1	15.5	16.1	1O			0	4	16.3
S0952	I	II	23	13.9	14.8:	16.0	1C	O		0	4	16.2
S0953	I	I-II	6	14.7	16.0	16.8	1O			0	5	16.9
S0954	I	II-III	34:	18.6	19.2	19.7	1C			0	6	17.4
S0955	IR	I	27	15.4	16.1	17.2	1O		0.0569	0	5	17.1
S0956	R	II-III	127	18.9	19.3	19.8	1C			2	6	17.4
S0957	I	III	12	14.5?	15.2	16.0:	1C	O	0.0640	0	4	16.2
S0958	I	I-II:	20	14.2?	15.8	16.4	1C		0.0691	0	5	16.6
S0959	I	II	7	13.2	14.6	15.5	1O			0	4	15.7
S0960	I	II	-3	15.1	15.4	17.3	2O	BD		0	5	17.1
S0961	IR	III	47	19.6	19.8	20.0	1O	B		0	6	17.4
S0962	I	III	26	19.3	19.8	20.0	1O			0	6	17.4
S0963	I	III	10	13.0	14.0:	14.9:	1C,2O	B		0	3	15.2
S0964	I	I-II	-5	14.8	15.2	16.0	1O			0	4	16.2
S0965	I	II	29	15.5	16.7	17.5	1O			0	5	17.2
S0966	I	III:	(98)	19.3:	19.5	19.9	1C			2	6	17.4
S0967	I	II	19	15.1	16.0	17.5	1O			0	5	17.2
S0968	IR?	I-II:	20	13.6:	14.3:	15.3	2C	OQ	0.0534	0	3	15.4
S0969	I	III:	(53)	18.9:	19.5	19.8	1C			1	6	17.4
S0970	RI:	II:	179	18.4:	19.3	19.7	1C			3	6	17.4
S0971	I	I-II	0	12.1	14.6	15.9	1O		0.0324	0	4	16.1
S0972	RI	II-III?	(180)	18.2	19.1	19.7	1C			3	6	17.4
S0973	IR	III	-17	18.6	19.2	19.4	1O			0	6	17.3
S0974	R	II-III:	18	13.2?	14.0?	15.1	1C	BDKO	0.0596	0	3	15.3
S0975	I	I-II	12	15.6	18.0	18.3	1O			0	6	17.3
S0976	R	I-II	0	14.6:	15.3	16.6	1O	D	0.0543	0	5	16.8
S0977	I	II-III	10	16.0	16.8	17.4	1O			0	5	17.2
S0978	I	I-II	-62	15.2	15.9	16.5	1O	DR		0	5	16.7
S0979	R	II:	163	19.3	19.9	20.3	1C			3	6	17.5
S0980	I	II	-2	14.3	15.1	16.1	1O			0	4	16.2
S0981	I	III	21	13.2:	13.5:	14.5	1C	DS	0.0347	0	2	14.7
S0982	RI	II	-64	15.4	15.8	16.8	1O	Q		0	5	17.0
S0983	RI	I	7	14.5	15.1	16.1	1O			0	4	16.3
S0984	I	II	-31	15.4	15.8	17.1	1O	D		0	5	17.2
S0985	RI	II	29	16.1	16.7	17.3	1O			0	5	17.2
S0986	R:	II:	88	19.1	19.3	20.5	1C			2	6	17.5
S0987	I	I-II	20	12.9?	14.6	15.8	1O	K		0	4	16.0
S0988	I	I-II	16	14.1	14.5:	15.8	1C	O	0.0405	0	4	16.0
S0989	R	I-II	25	13.3	13.9	15.3	1C	O	0.0363	0	3	15.5
S0990	IR	II	-68	15.3	15.8	16.6	1O			0	5	16.8
S0991	I	III	96	19.2	19.6	20.1	1C			2	6	17.4
S0992	RI	III	27	16.7	18.0	18.5	1O			0	6	17.3
S0993	IR	II	19	15.6	16.6	17.4	1O			0	5	17.2
S0994	RI	III	25	17.5	18.7	19.3	1O			0	6	17.3
S0995	IR	II-III	17	15.9	16.1	17.6	1O			0	5	17.1
S0996	R:	III	92	18.8	19.2	19.7	1C		(0.1611)	2	6	17.4
S0997	I	II	-1	12.7	13.7	15.4	1O			0	3	15.6
S0998	R	II-III	78	19.3	19.5	19.9	1C			1	6	17.4
S0999	I	I-II	5	14.6	14.9	16.1	1O			0	4	16.3
S1000	I	I-II	-8	14.7	15.4	17.4	1O			0	5	17.2

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S1001	22 09.0 -62 19	22 12.5 -62 04	328.64	-46.34	F146	-8	-123	172	41
S1002	22 09.1 -45 43	22 12.2 -45 28	352.05	-53.56	F289	-143	-41	307	123
S1003	22 09.9 -62 10	22 13.4 -61 55	328.73	-46.51	F108	60	153	104	317
S1004	22 10.6 -43 35	22 13.6 -43 20	355.44	-54.37	F289	-133	74	297	238
S1005	22 11.2 -36 57	22 14.1 -36 42	6.82	-55.54	F404	118	-104	46	60
S1006	22 13.7 -17 24	22 16.4 -17 09	40.31	-52.90	F601	134	142	30	306
S1007	22 13.8 -61 23	22 17.3 -61 08	329.29	-47.34	F146	20	-73	144	91
S1008	22 14.9 -26 19	22 17.7 -26 03	25.77	-55.75	F533	-87	-70	251	94
S1009	22 15.9 -85 04	22 23.8 -84 48	306.58	-31.23	F011	45	-6	119	158
S1010	22 16.0 -26 56	22 18.8 -26 40	24.77	-56.10	F533	-73	-104	237	60
S1011	22 16.5 -62 21	22 20.0 -62 05	327.87	-47.03	F108	100	141	64	305
S1012	22 17.0 -36 43	22 19.9 -36 27	7.07	-56.71	F405	-77	-91	241	73
S1013	22 18.4 -38 06	22 21.3 -37 50	4.50	-56.84	F344	128	100	36	264
S1014	22 18.9 -80 26	22 24.2 -80 10	310.09	-34.81	F027	-26	-23	190	141
S1015	22 19.1 -42 46	22 22.1 -42 30	356.16	-56.07	F344	126	-150	38	14
S1016	22 19.3 -38 55	22 22.2 -38 39	2.97	-56.89	F345	-134	58	298	222
S1017	22 20.1 -51 40	22 23.2 -51 24	341.66	-53.08	F238	-81	-89	245	75
S1018	22 20.3 -26 37	22 23.1 -26 21	25.63	-56.99	F533	-21	-86	185	78
S1019	22 21.0 -27 16	22 23.8 -27 00	24.50	-57.26	F533	-14	-119	178	45
S1020	22 21.0 -56 44	22 24.3 -56 28	334.41	-50.69	F190	-91	-97	255	67
S1021	22 21.1 -32 51	22 24.0 -32 35	14.14	-57.72	F405	-38	118	202	282
S1022	22 21.8 -64 30	22 25.3 -64 14	324.87	-46.17	F109	-132	21	296	185
S1023	22 22.4 -56 05	22 25.6 -55 49	335.12	-51.20	F190	-81	-60	245	104
S1024	22 22.7 -79 01	22 27.5 -78 45	311.07	-35.99	F027	-20	52	184	216
S1025	22 23.1 -19 34	22 25.8 -19 18	38.25	-55.77	F602	-13	29	177	193
S1026	22 24.1 -27 36	22 26.9 -27 20	24.07	-57.99	F533	24	-137	140	27
S1027	22 24.3 -73 48	22 28.4 -73 32	315.41	-39.93	F048	89	61	75	225
S1028	22 25.1 -36 20	22 28.0 -36 04	7.48	-58.37	F405	10	-68	154	96
S1029	22 26.5 -54 11	22 29.7 -53 55	337.24	-52.70	F190	-53	44	217	208
S1030	22 26.5 -71 42	22 30.4 -71 26	317.16	-41.57	F076	-26	-89	190	75
S1031	22 27.5 -32 46	22 30.3 -32 30	14.29	-59.07	F405	34	122	130	286
S1032	22 28.5 -53 25	22 31.6 -53 09	338.07	-53.35	F190	-38	83	202	247
S1033	22 29.0 -35 17	22 31.9 -35 01	9.35	-59.26	F405	51	-12	113	152
S1034	22 29.5 -30 03	22 32.3 -29 47	19.62	-59.42	F468	-88	-7	252	157
S1035	22 30.6 -57 24	22 33.8 -57 08	332.37	-51.39	F147	-128	135	292	299
S1036	22 31.0 -39 43	22 33.9 -39 27	0.69	-58.97	F345	-12	17	176	181
S1037	22 31.1 -47 08	22 34.1 -46 52	347.45	-56.64	F238	9	154	155	318
S1038	22 31.4 -69 56	22 35.1 -69 40	318.41	-43.13	F076	-5	5	169	169
S1039	22 31.8 -52 43	22 34.9 -52 27	338.65	-54.14	F190	-15	120	179	284
S1040	22 32.7 -28 38	22 35.5 -28 22	22.54	-59.99	F468	-52	75	216	239
S1041	22 32.8 -35 20	22 35.6 -35 04	9.11	-60.03	F405	92	-15	72	149
S1042	22 32.9 -38 59	22 35.8 -38 43	1.94	-59.48	F345	7	57	157	221
S1043	22 33.7 -24 36	22 36.4 -24 20	30.52	-59.56	F534	-128	23	292	187
S1044	22 33.8 -48 26	22 36.8 -48 10	344.97	-56.49	F238	33	86	131	250
S1045	22 34.0 -38 19	22 36.9 -38 03	3.15	-59.83	F345	19	92	145	256
S1046	22 34.1 -44 32	22 37.1 -44 16	351.54	-58.12	F289	93	24	71	188
S1047	22 34.2 -39 26	22 37.1 -39 10	0.97	-59.63	F345	21	32	143	196
S1048	22 36.1 -25 14	22 38.8 -24 58	29.52	-60.23	F533	167	-14	-3	150
S1049	22 36.3 -38 30	22 39.2 -38 14	2.61	-60.23	F345	44	82	120	246
S1050	22 36.5 -36 25	22 39.3 -36 09	6.75	-60.64	F405	133	-75	31	89

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S1001	I:	II-III	70	18.2	19.0	19.7	1C			1	6	17.4
S1002	I	II-III	25	17.2	17.4	18.1	1O	D		0	6	17.3
S1003	IR	II	-10	14.8	15.4	16.1	1O	D	0.0426	0	4	16.3
S1004	I	I	-3	14.9	15.5	16.9	1O	DR		0	5	17.1
S1005	I	II	-18	13.7	14.9	16.1	1O	K		0	4	16.3
S1006	R	I	-19	18.0	19.5	19.6	1O			0	6	17.4
S1007	R	I-II	75	18.9	19.3	19.8	1C			1	6	17.4
S1008	R?	III	(106)	19.6:	19.9	20.9	1C			2	6	17.5
S1009	I	II	5	15.4	16.1	17.3	1O			0	5	17.1
S1010	I	III	(82)	19.5	19.7	20.1	1C			2	6	17.4
S1011	I	I	3	14.7	15.6	16.8	1O		(0.0426)	0	5	17.0
S1012	I	III	29	18.2	18.3	19.0	1C			0	6	17.3
S1013	I	II	-8	15.4	15.9	18.0	1O			0	6	17.3
S1014	IR	I-II	16	13.8	14.3	15.4	1O		0.0481	0	3	15.5
S1015	I	III	21	15.8	18.6	19.2	1O			0	6	17.4
S1016	I	II	-10	14.9	15.3	16.9	1O	D		0	5	17.1
S1017	R	II-III	85	19.7	20.2	21.0	1C			2	6	17.5
S1018	R	III	(96)	19.2	19.4	20.0	1C			2	6	17.4
S1019	R	II?	66	18.5:	19.2	20.0	1C			1	6	17.4
S1020	I	II-III	25	13.4?	14.5	15.7	2C	DORS	0.0355	0	4	15.9
S1021	RI	III	25	19.0	19.1	19.7	1C			0	6	17.4
S1022	I	III	4?	15.6	16.2:	17.0:	2C,1O	BDS	0.0936	0	5	17.0
S1023	I	III	27	14.3	14.9	15.9	1C	DO	0.0789	0	4	16.1
S1024	I	II-III	18	16.6	17.1	18.1	1O			0	5	17.2
S1025	I	II?	96	18.4	19.2	20.2	1C			2	6	17.5
S1026	R	III	(73)	19.1	19.5	20.1	1C			1	6	17.4
S1027	IR	II	4	15.8	16.0	16.8	2O	D		0	5	17.0
S1028	I?	III?	93	19.3	19.5	20.7	1C			2	6	17.5
S1029	I	III	12	14.7:	15.0:	16.5	1C	D		0	5	16.7
S1030	I	I	-11	14.8	15.4	16.8	1O	D		0	5	17.0
S1031	RI	III	21	17.9	18.1:	18.9	1C			0	6	17.3
S1032	R	III?	85	18.1?	18.9	19.7	1C	D		2	6	17.4
S1033	R	III	24	17.3	17.7	18.1	1C			0	6	17.3
S1034	I:	II?	(159)	19.2	19.8	20.8	1C			3	6	17.5
S1035	R:	III	0*	20.4:	20.7:	21.1:	1C			0	6	17.5
S1036	I	II-III	3	15.0	15.7	16.7	1O			0	5	16.9
S1037	R	III	86	19.1	19.2	19.8	1C			2	6	17.4
S1038	IR	I-II	4	15.1	15.7	16.7	1O	D		0	5	16.9
S1039	I	I-II:	24	14.4	15.1	16.2?	1C	DR	0.0554	0	4	16.4
S1040	R:	I:	(125)	18.3:	19.6	19.9	1C			2	6	17.4
S1041	R:	III:	(60)	19.0	19.3	20.0	2C			1	6	17.4
S1042	I	I-II	5	15.1	15.4	16.7	1O	D		0	5	16.9
S1043	R	I	-3	14.4	15.1	16.7	1O			0	5	16.9
S1044	I:	III	126	19.3	19.4	20.0	1C			2	6	17.4
S1045	RI	II-III	27	17.3	17.5	18.0	1O			0	6	17.3
S1046	I	II	3	16.1	16.8	17.0	1O	D		0	5	17.2
S1047	I	I	13:	14.6	16.0	16.6	1O			0	5	16.8
S1048	R	II	(108)	18.2:	19.3	19.8	1C			2	6	17.4
S1049	IR	II-III	16	15.4	16.0	17.6	1O			0	5	17.2
S1050	I	II	(26)	14.0?	14.8	15.5	1C	B		0	4	15.7

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S1051	22 36.6 -38 07	22 39.5 -37 51	3.34	-60.37	F345	47	103	117	267
S1052	22 36.6 -45 34	22 39.6 -45 18	349.41	-58.13	F290	-147	-32	311	132
S1053	22 36.6 -62 45	22 39.9 -62 29	325.21	-48.56	F109	-49	120	213	284
S1054	22 36.7 -63 58	22 40.1 -63 42	323.87	-47.73	F109	-47	58	211	222
S1055	22 40.4 -40 08	22 43.3 -39 52	359.01	-60.61	F345	84	-6	80	158
S1056	22 41.9 -38 03	22 44.7 -37 47	3.04	-61.40	F345	103	105	61	269
S1057	22 42.5 -71 35	22 46.1 -71 19	315.99	-42.49	F076	42	-84	122	80
S1058	22 43.3 -73 59	22 47.1 -73 43	313.94	-40.64	F049	-86	53	250	217
S1059	22 43.7 -44 01	22 46.6 -43 45	351.21	-59.90	F290	-82	54	246	218
S1060	22 43.8 -46 17	22 46.7 -46 01	347.15	-58.97	F290	-78	-68	242	96
S1061	22 43.9 -84 24	22 49.9 -84 08	306.44	-32.14	F011	86	21	78	185
S1062	22 44.5 -72 51	22 48.2 -72 35	314.77	-41.59	F049	-86	114	250	278
S1063	22 46.0 -44 47	22 48.9 -44 31	349.48	-59.97	F290	-60	13	224	177
S1064	22 46.5 -33 07	22 49.3 -32 51	13.24	-63.04	F406	-20	103	184	267
S1065	22 46.5 -37 45	22 49.3 -37 29	3.24	-62.35	F345	152	120	12	284
S1066	22 47.3 -46 32	22 50.2 -46 16	346.18	-59.39	F290	-48	-81	212	83
S1067	22 47.8 -45 36	22 50.7 -45 20	347.74	-59.90	F290	-42	-30	206	134
S1068	22 48.2 -32 14	22 51.0 -31 58	15.15	-63.45	F406	-2	150	166	314
S1069	22 50.3 -27 19	22 53.0 -27 03	26.24	-63.71	F469	-120	145	284	309
S1070	22 51.0 -44 06	22 53.9 -43 50	349.97	-61.06	F290	-12	50	176	214
S1071	22 51.3 -17 54	22 54.0 -17 38	46.08	-61.32	F603	76	115	88	279
S1072	22 52.9 -53 47	22 55.9 -53 30	333.93	-56.09	F191	-106	64	270	228
S1073	22 53.1 -50 38	22 56.0 -50 21	338.49	-58.04	F239	-59	-32	223	132
S1074	22 55.2 -49 57	22 58.1 -49 40	339.18	-58.71	F239	-42	6	206	170
S1075	22 55.7 -31 01	22 58.4 -30 44	17.83	-65.08	F469	-54	-52	218	112
S1076	22 55.7 -41 08	22 58.5 -40 51	355.04	-63.04	F346	-24	-58	188	106
S1077	22 56.1 -35 03	22 58.9 -34 46	8.33	-64.78	F406	85	-2	79	162
S1078	22 57.2 -68 54	23 00.5 -68 37	316.91	-45.37	F076	119	55	45	219
S1079	22 57.6 -53 47	23 00.6 -53 30	333.12	-56.62	F191	-69	65	233	229
S1080	22 58.8 -44 16	23 01.6 -43 59	348.33	-62.24	F290	62	40	102	204
S1081	22 59.4 -70 06	23 02.7 -69 49	315.70	-44.51	F077	-115	-14	279	150
S1082	23 00.3 -48 45	23 03.2 -48 28	340.15	-60.08	F239	3	67	161	231
S1083	23 00.5 -53 54	23 03.4 -53 37	332.45	-56.87	F191	-46	60	210	224
S1084	23 00.8 -42 37	23 03.6 -42 20	351.18	-63.31	F290	84	129	80	293
S1085	23 01.9 -49 06	23 04.8 -48 49	339.27	-60.09	F239	15	51	149	215
S1086	23 02.1 -32 54	23 04.8 -32 37	13.05	-66.31	F469	20	-153	144	11
S1087	23 03.8 -68 41	23 07.0 -68 24	316.39	-45.89	F077	-101	66	265	230
S1088	23 05.7 -52 07	23 08.6 -51 50	333.94	-58.64	F239	46	-111	118	53
S1089	23 06.4 -47 59	23 09.2 -47 42	340.19	-61.35	F239	56	110	108	274
S1090	23 07.1 -38 56	23 09.9 -38 39	357.95	-65.88	F346	92	60	72	224
S1091	23 07.3 -86 14	23 13.4 -85 57	304.89	-30.79	F011	78	-80	86	84
S1092	23 07.4 -17 10	23 10.0 -16 53	51.26	-64.43	F604	16	152	148	316
S1093	23 07.7 -76 27	23 11.3 -76 10	310.47	-39.45	F049	4	-75	160	89
S1094	23 07.8 -19 11	23 10.4 -18 54	47.09	-65.41	F604	18	45	146	209
S1095	23 08.6 -55 39	23 11.5 -55 22	328.69	-56.47	F191	15	-33	149	131
S1096	23 08.9 -29 23	23 11.6 -29 06	21.92	-67.94	F469	100	35	64	199
S1097	23 09.0 -73 36	23 12.4 -73 19	312.24	-41.96	F049	10	77	154	241
S1098	23 09.6 -44 08	23 12.4 -43 51	346.45	-63.98	F291	-103	47	267	211
S1099	23 10.6 -23 25	23 13.3 -23 08	37.67	-67.46	F535	55	85	109	249
S1100	23 10.7 -52 34	23 13.6 -52 17	332.30	-58.89	F191	35	133	129	297

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S1051	I	II-III	29	15.3	16.6	16.9	1O			0	5	17.1
S1052	IR	II-III	-24	15.4	15.9	17.5	1O	D		0	5	17.2
S1053	R:	II-III	24	17.0	17.2	18.1	1C			0	6	17.3
S1054	I	II	25	17.6	18.5	19.5	1C			0	6	17.4
S1055	IR	II	0	13.8*	15.1	15.4	1O	BD	0.0322	0	3	15.6
S1056	IR	I-II	15	15.0	16.8	17.1	1O			0	5	17.2
S1057	I	I	-11	13.1	15.4	16.1	1O	D		0	4	16.3
S1058	IR	II-III	14	16.8	18.1	18.6	1O			0	6	17.3
S1059	I	II	-9:	14.9	15.1	16.1	1O			0	4	16.3
S1060	I	II	22:	13.7	15.1	15.6	1O		0.0331	0	4	15.8
S1061	I	II	-62	15.4	15.9	16.8	1O	Q	0.0723	0	5	16.9
S1062	I	I-II	21	14.8	16.4	17.5	1O			0	5	17.2
S1063	RI?	I-II	74	18.6	19.0	19.7	1O,1A			1	6	17.4
S1064	RI?	II-III?	27	17.9	18.4	19.2:	2C			0	6	17.4
S1065	RI	I	-17:	13.3	14.5	15.6	1O		0.0288	0	4	15.8
S1066	I	II-III?	25:	15.8:	16.3:	16.8	1O,1A		0.0496	0	5	16.9
S1067	RI:	II-III?	20	13.8	14.8	15.9:	1O,1A	D		0	4	16.1
S1068	R:	III?	(88)	19.3	19.7	20.2	2C			2	6	17.4
S1069	I	II-III	26	18.1	18.5	19.2	1O			0	6	17.4
S1070	I	II-III	12	15.1	15.3	16.7	1O			0	5	16.9
S1071	RI	I-II	-12	14.4	15.3	16.5	1O		0.0642	0	5	16.7
S1072	R	II-III:	73*	18.4:	18.8:	20.0:	2C			1	6	17.4
S1073	R	II:	48	18.4	19.1	20.1	1C			0	6	17.4
S1074	R:	II-III?	0*	19.9	20.8	21.4?	1C			0	6	17.6
S1075	I	II-III	15	15.0	15.5	17.1	1O			0	5	17.2
S1076	R:	II?	(90)	20.2	20.9	21.4	1C			2	6	17.6
S1077	IR:	II-III	92	18.1:	18.7	19.7	2C		0.312	2	6	17.4
S1078	RI	I-II	-14	15.5	15.9	18.1	1O			0	6	17.3
S1079	R	II:	43	18.9	19.3:	20.1:	1C			0	6	17.4
S1080	I	III	21	15.4	15.7	16.8	1O	R	0.0699	0	5	17.0
S1081	I	I-II	-1?	15.0	15.5	16.8	1C,1O			0	5	16.9
S1082	I	III?	158	18.2?	19.5	20.1	1C			3	6	17.4
S1083	R	II	41	18.4	19.2	20.2	1C			0	6	17.5
S1084	I	III	20:	15.5:	16.7	17.5	1O	DR		0	5	17.2
S1085	R	II-III	70	19.3	19.6	20.2	1C			1	6	17.5
S1086	RI	I-II	-2	15.1	15.4	16.7	1O	B		0	5	16.9
S1087	R:	II:	21	17.3	17.9	18.5	1C			0	6	17.3
S1088	R	II-III:	94:	18.6	19.1	19.9	2C	B		2	6	17.4
S1089	I	III	63	18.9	19.1	20.0	1C			1	6	17.4
S1090	R	II	51	17.9:	18.7	20.0	1C			1	6	17.4
S1091	IR	I	26	15.3	16.1	17.4	1O	Q		0	5	17.1
S1092	I	III	24	15.6	15.9	17.2	1C			0	5	17.2
S1093	I	II-III	6	15.2:	15.8	17.1	1O			0	5	17.2
S1094	I	III?	40	18.4:	19.0	19.7	1C			0	6	17.4
S1095	R	III	60	18.3	19.0	20.1	1C	B		1	6	17.4
S1096	RI	I-II	28	15.7	16.1	17.6	2O	B		0	5	17.2
S1097	IR	II-III	29	16.7	17.1	17.4	1O			0	5	17.2
S1098	I	I	-62	14.5	15.8	16.8	1O			0	5	17.0
S1099	I	I-II	17:	16.1	16.5	17.0	1O			0	5	17.2
S1100	I	III	85	18.3	19.1	20.0	2C			2	6	17.4

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S1101	23 11.2 -43 00	23 14.0 -42 43	348.35	-64.81	F291	-89	108	253	272
S1102	23 11.6 -54 36	23 14.5 -54 19	329.42	-57.53	F191	40	22	124	186
S1103	23 14.3 -44 34	23 17.1 -44 17	344.56	-64.45	F291	-57	24	221	188
S1104	23 14.3 -74 11	23 17.6 -73 54	311.43	-41.64	F049	29	45	135	209
S1105	23 14.3 -75 18	23 17.7 -75 01	310.73	-40.65	F049	27	-15	137	149
S1106	23 14.7 -43 07	23 17.5 -42 50	347.33	-65.30	F291	-54	102	218	266
S1107	23 14.7 -52 05	23 17.5 -51 48	332.13	-59.67	F239	121	-110	43	54
S1108	23 15.2 -47 44	23 18.0 -47 27	338.67	-62.67	F239	136	121	28	285
S1109	23 15.6 -36 34	23 18.3 -36 17	2.23	-68.25	F407	36	-81	128	83
S1110	23 16.2 -48 16	23 19.0 -47 59	337.55	-62.45	F239	143	93	21	257
S1111	23 16.4 -42 22	23 19.1 -42 05	348.49	-65.96	F347	-75	-123	239	41
S1112	23 16.5 -54 22	23 19.3 -54 05	328.73	-58.18	F191	77	34	87	198
S1113	23 17.4 -24 24	23 20.1 -24 07	36.13	-69.21	F536	-131	32	295	196
S1114	23 18.2 -74 17	23 21.4 -74 00	311.05	-41.67	F049	43	39	121	203
S1115	23 19.2 -55 03	23 22.0 -54 46	327.33	-57.91	F191	97	-3	67	161
S1116	23 19.7 -64 22	23 22.7 -64 05	317.94	-50.37	F110	-53	32	217	196
S1117	23 20.6 -23 06	23 23.2 -22 49	40.23	-69.58	F536	-94	102	258	266
S1118	23 21.5 -51 28	23 24.3 -51 11	331.45	-60.84	F240	-75	-78	239	86
S1119	23 21.9 -30 12	23 24.6 -29 55	19.46	-70.74	F470	-17	-10	181	154
S1120	23 22.0 -38 57	23 24.7 -38 40	354.94	-68.53	F347	-24	57	188	221
S1121	23 22.5 -41 29	23 25.2 -41 12	348.90	-67.39	F347	-17	-78	181	86
S1122	23 23.1 -81 36	23 26.8 -81 19	306.76	-35.17	F027	102	-97	62	67
S1123	23 24.2 -32 01	23 26.9 -31 44	13.79	-71.05	F470	11	-107	153	57
S1124	23 24.4 -49 53	23 27.2 -49 36	333.03	-62.31	F240	-53	8	217	172
S1125	23 25.0 -38 30	23 27.7 -38 13	355.35	-69.25	F347	9	82	155	246
S1126	23 25.5 -32 00	23 28.2 -31 43	13.71	-71.33	F470	25	-106	139	58
S1127	23 25.6 -29 24	23 28.3 -29 07	21.85	-71.58	F470	27	33	137	197
S1128	23 26.3 -53 55	23 29.1 -53 38	327.15	-59.44	F191	156	54	8	218
S1129	23 27.2 -31 23	23 29.9 -31 06	15.48	-71.77	F470	45	-73	119	91
S1130	23 27.3 -17 23	23 29.9 -17 06	56.73	-68.67	F605	1	144	163	308
S1131	23 27.6 -79 07	23 30.9 -78 50	307.76	-37.52	F012	-83	45	247	209
S1132	23 27.9 -54 09	23 30.7 -53 52	326.51	-59.40	F191	167	41	-3	205
S1133	23 28.6 -38 12	23 31.3 -37 55	355.22	-70.02	F347	44	98	120	262
S1134	23 31.7 -43 45	23 34.4 -43 28	341.53	-67.43	F292	-159	65	323	229
S1135	23 33.3 -42 28	23 36.0 -42 11	343.69	-68.47	F347	88	-131	76	33
S1136	23 33.6 -31 53	23 36.2 -31 36	13.14	-73.04	F470	118	-101	46	63
S1137	23 34.2 -31 41	23 36.8 -31 24	13.74	-73.20	F471	-138	-88	302	76
S1138	23 34.4 -42 01	23 37.1 -41 44	344.32	-68.91	F347	101	-108	63	56
S1139	23 35.8 -50 16	23 38.5 -49 59	329.46	-63.22	F240	46	-13	118	151
S1140	23 36.8 -46 15	23 39.5 -45 58	335.32	-66.37	F292	-106	-67	270	97
S1141	23 38.0 -28 52	23 40.6 -28 35	23.49	-74.29	F471	-99	63	263	227
S1142	23 38.7 -30 30	23 41.3 -30 13	17.42	-74.33	F471	-85	-20	249	144
S1143	23 42.2 -49 23	23 44.9 -49 06	328.81	-64.54	F240	102	32	62	196
S1144	23 42.3 -62 31	23 45.0 -62 14	315.78	-53.20	F078	-113	131	277	295
S1145	23 42.8 -56 19	23 45.5 -56 02	320.74	-58.75	F192	25	-68	139	96
S1146	23 43.4 -23 32	23 46.0 -23 15	44.00	-74.71	F537	-83	80	247	244
S1147	23 43.8 -47 15	23 46.4 -46 58	331.42	-66.40	F292	-40	-119	204	45
S1148	23 43.9 -66 30	23 46.6 -66 13	312.94	-49.63	F110	78	-94	86	70
S1149	23 44.8 -74 17	23 47.6 -74 00	308.83	-42.39	F028	-55	38	219	202
S1150	23 45.2 -35 52	23 47.8 -35 35	357.04	-74.03	F408	98	-46	66	118

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S1101	R	III	28:	14.0	15.3	16.3	1O,2C	BQRS	0.0564	0	4	16.4
S1102	I	III	29	18.3	18.8	19.4	1C			0	6	17.4
S1103	I	II-III	2	16.8	17.0	18.0	1O	QR		0	6	17.3
S1104	I	II	0	16.5	17.1	17.6	1O			0	5	17.2
S1105	I	I-II	-3	15.2	15.9	17.4	1O	D		0	5	17.2
S1106	IR	II-III	-23	15.3:	16.2	17.3	1O,1C	BQR	(0.0346)	0	5	17.2
S1107	I	II-III	(69)	19.1	19.8	20.9	1C			1	6	17.5
S1108	I	III	(79)	19.2	19.8	20.9	1C			1	6	17.5
S1109	RI	III?	(75)	18.8	19.1	19.7	1C	B		1	6	17.4
S1110	I	III	(73)	19.3	20.0	21.0	1C			1	6	17.5
S1111	I	III	25	14.0	14.5:	15.4:	1C,1O	BOQRS		0	4	15.7
S1112	R	III	0*	20.2:	20.5	21.1:	1C			0	6	17.5
S1113	RI	II	8	16.6	16.8	17.5	1O			0	5	17.2
S1114	I	II	21	16.0	16.8	17.3	1O			0	5	17.2
S1115	R	III	0*	20.2	20.7	21.3	1C			0	6	17.6
S1116	R:	I-II:	59	18.1:	18.8?	20.1	1C			1	6	17.4
S1117	I	III	19	16.0	16.1	18.6	1O			0	6	17.3
S1118	I	II	-96	15.9	17.0	16.6	1O	R		0	5	16.8
S1119	I	II-III	29	17.3	17.4	18.1	1O			0	6	17.3
S1120	I	II-III	6	17.2	17.5:	18.1	1C	B		0	6	17.3
S1121	R	I	(81)	18.1	19.6	20.0	1C			2	6	17.4
S1122	IR	I-II	22	15.1?	16.7	17.5	1O			0	5	17.1
S1123	I	II-III	24	17.3	18.6	19.4	1O			0	6	17.4
S1124	IR	I	3	15.3	17.0	18.0	1O			0	6	17.3
S1125	I	III	56	18.6	19.1	19.9	1C			1	6	17.4
S1126	RI	I-II	6	18.0	18.9	19.3	1O			0	6	17.4
S1127	RI	I-II	28	15.4	16.1	17.7	1O	B		0	5	17.2
S1128	R	III	(47)	19.5	19.7	20.2	1C	Q		0	6	17.5
S1129	I	II	3	13.9	15.2	16.1	1O	B	0.0358	0	4	16.3
S1130	RI	III	9	17.5	17.9	18.8	1C			0	6	17.3
S1131	I	II	-3	15.1	15.4	16.5	1O			0	5	16.6
S1132	R	III	0*	18.7:	19.3:	20.8:	1C	Q		0	6	17.5
S1133	R	II-III	20	17.5	18.0:	19.8	1C			0	6	17.4
S1134	I	II	26	16.1	17.3	17.9	1O			0	5	17.2
S1135	I	III	(93)	19.2:	19.5:	20.1:	1C			2	6	17.4
S1136	R	III	21	14.4	15.4	16.7	1O,1C	B		0	5	16.9
S1137	I	II-III:	25	18.3	19.1	19.6	1C	B		0	6	17.4
S1138	R:	III	(103)	19.5	20.0	20.6	1C			2	6	17.5
S1139	I	II-III	15	17.3	18.6	19.1	1O			0	6	17.4
S1140	RI	I	3	14.4	15.5	16.5	1O		0.0682	0	5	16.7
S1141	I	II	84	19.1	19.3	19.7	1C			2	6	17.4
S1142	I	II-III	20	14.1	14.3	15.5	1C	O	0.0701	0	4	15.7
S1143	I	II	13	15.1	17.7	18.2	1O			0	6	17.3
S1144	I	III	10	17.4	18.8	19.3	1O			0	6	17.4
S1145	RI	II	27	16.5	16.7	18.0	1O	D		0	6	17.3
S1146	I	I-II	-9	14.9	15.3	15.9	1O			0	4	16.1
S1147	RI	I-II	4	15.0	15.5	16.3:	2O	BR	0.0705	0	4	16.4
S1148	I	II-III	(36)	18.8?	19.2?	20.1	1C			0	6	17.4
S1149	IR	I-II	21	15.4	16.5	17.4	2O			0	5	17.2
S1150	R	I-II	95:	17.9:	18.8:	19.8:	2C			2	6	17.4

TABLE 5—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
S1151	23 45.7 -29 11	23 48.3 -28 54	21.99	-75.96	F471	-8	47	172	211
S1152	23 45.9 -44 10	23 48.5 -43 53	335.95	-68.99	F292	-22	46	186	210
S1153	23 46.7 -47 48	23 49.3 -47 31	329.62	-66.26	F240	146	115	18	279
S1154	23 46.8 -63 23	23 49.5 -63 06	314.42	-52.62	F078	-83	86	247	250
S1155	23 47.6 -29 18	23 50.2 -29 01	21.39	-76.37	F409	-148	38	312	202
S1156	23 47.6 -64 37	23 50.3 -64 20	313.51	-51.52	F078	-75	20	239	184
S1157	23 49.3 -34 42	23 51.9 -34 25	359.57	-75.30	F349	-124	16	288	180
S1158	23 49.5 -56 13	23 52.1 -55 56	319.23	-59.27	F192	75	-65	89	99
S1159	23 51.0 -64 31	23 53.6 -64 14	313.03	-51.74	F078	-55	26	219	190
S1160	23 51.4 -44 39	23 54.0 -44 22	332.98	-69.26	F241	-82	18	246	182
S1161	23 53.0 -33 56	23 55.6 -33 39	1.07	-76.32	F349	-81	61	245	225
S1162	23 53.2 -22 52	23 55.8 -22 35	49.68	-76.59	F472	-87	115	251	279
S1163	23 53.4 -18 27	23 56.0 -18 10	65.08	-74.40	F606	67	85	97	249
S1164	23 55.0 -37 54	23 57.6 -37 37	346.78	-74.56	F293	-55	118	219	282
S1165	23 56.1 -30 08	23 58.7 -29 51	16.61	-78.10	F409	-49	-5	213	159
S1166	23 57.1 -67 11	23 59.7 -66 54	310.70	-49.44	F050	-17	152	181	316
S1167	23 57.7 -20 16	00 00.3 -19 59	61.58	-76.28	F538	-30	-13	194	151
S1168	23 57.8 -59 56	00 00.4 -59 39	314.55	-56.31	F111	-18	6	182	170
S1169	23 58.2 -46 41	00 00.8 -46 24	327.06	-68.28	F292	91	-90	73	74
S1170	23 58.5 -37 07	00 01.1 -36 50	347.46	-75.59	F293	-18	159	182	323
S1171	23 58.8 -27 49	00 01.4 -27 32	27.95	-78.88	F409	-19	119	183	283
S1172	23 58.8 -39 03	00 01.4 -38 46	341.73	-74.35	F293	-15	55	179	219
S1173	23 59.2 -44 14	00 01.8 -43 57	330.46	-70.42	F241	-13	43	177	207
S1174	23 59.3 -37 16	00 01.9 -36 59	346.59	-75.62	F293	-10	151	174	315

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
S1151	R	II	218	18.7	19.4	19.7	1C		0.226	4	6	17.4
S1152	RI	III	20:	17.9:	19.3	19.5	1O,1C			0	6	17.4
S1153	R	I	-1	16.7	19.1	19.5	1O			0	6	17.4
S1154	I	III	12	18.3	18.6	19.2	1O			0	6	17.4
S1155	I	I-II	3	13.1	14.3	15.4	1O			0	3	15.6
S1156	IR	III	-9	18.0	19.1	19.3	1O			0	6	17.4
S1157	RI	II:	19	12.8	13.2:	14.7	2C	B	0.0456	0	3	14.9
S1158	I	II	10	15.4	16.3	17.5	1O			0	5	17.2
S1159	I	II-III	-8	18.1	18.4	18.6	1O			0	6	17.3
S1160	RI	II-III:	(66)	19.4?	19.9	20.6	1C			1	6	17.5
S1161	I	III	17	15.5	15.7	16.3	1C	B		0	5	16.5
S1162	I	II-III	24	14.9?	16.7	17.4	1O			0	5	17.2
S1163	IR	II	8	14.5	14.8	15.9	1O			0	4	16.1
S1164	IR	III	14	14.9	15.1	16.4	1O,1C	D		0	5	16.6
S1165	I	I-II	3	13.6	13.7	15.5	1O	B	0.0299	0	4	15.7
S1166	I	II	-46	15.4	15.8	17.1	1O			0	5	17.2
S1167	I	III	78	19.2	19.5	20.0	1C			1	6	17.4
S1168	I	III:	22	17.3	17.5	18.1	1C	D		0	6	17.3
S1169	I	I-II	12	15.1	16.4	16.7	1O			0	5	16.9
S1170	IR	I-II	26	16.1	17.6	17.7	1O			0	5	17.2
S1171	I	II	8	12.7	13.7	15.9	1O	s		0	4	16.1
S1172	RI	I	8	13.8	15.4	16.1	1O		0.0500	0	4	16.3
S1173	RI:	III	27	13.6	14.6	15.4	1C,1O	OR		0	3	15.5
S1174	R:	I	-5	17.6	19.3	19.4	1O			0	6	17.4

TABLE 6

OVERLAP ZONE CLUSTERS

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2708	00 03.9 -17 10	00 06.5 -16 53	75.17	-75.40	F538	49	150	115	314
2712	00 04.5 -18 23	00 07.1 -18 06	72.05	-76.36	F538	55	86	109	250
0002	00 05.7 -19 56	00 08.2 -19 39	67.71	-77.60	F538	70	3	94	167
0013	00 11.1 -19 47	00 13.6 -19 30	72.27	-78.46	F539	-127	14	291	178
0014	00 12.6 -24 10	00 15.1 -23 53	52.51	-81.19	F473	-118	46	282	210
0015	00 12.6 -26 19	00 15.1 -26 02	38.53	-81.81	F473	-114	-71	278	93
0020	00 17.2 -22 56	00 19.7 -22 39	63.10	-81.53	F473	-63	112	227	276
0022	00 18.0 -26 00	00 20.5 -25 43	42.68	-82.94	F473	-49	-52	213	112
0027	00 22.4 -21 00	00 24.9 -20 43	78.13	-81.19	F539	15	-52	149	112
0033	00 24.7 -19 47	00 27.2 -19 30	85.58	-80.57	F539	45	13	119	177
0035	00 24.9 -21 50	00 27.4 -21 33	77.18	-82.19	F539	46	-96	118	68
0042	00 26.1 -23 55	00 28.6 -23 38	65.76	-83.78	F473	47	60	117	224
0047	00 28.0 -24 27	00 30.5 -24 10	63.83	-84.43	F473	71	30	93	194
0050	00 28.8 -22 30	00 31.3 -22 13	78.86	-83.30	F473	81	135	83	299
0051	00 29.2 -23 55	00 31.7 -23 38	69.89	-84.34	F473	85	59	79	223
0061	00 32.3 -23 27	00 34.8 -23 10	78.42	-84.54	F473	125	84	39	248
0074	00 36.6 -22 35	00 39.1 -22 18	92.08	-84.42	F474	-93	133	257	297
0080	00 38.0 -24 56	00 40.5 -24 39	77.38	-86.51	F474	-76	3	240	167
0086	00 40.2 -22 04	00 42.7 -21 47	102.00	-84.31	F540	-24	-109	188	55
0088	00 40.5 -26 20	00 43.0 -26 03	61.89	-87.82	F474	-44	-70	208	94
0093	00 41.7 -18 49	00 44.2 -18 32	111.57	-81.25	F540	-6	64	170	228
0097	00 43.3 -23 28	00 45.8 -23 11	104.58	-85.86	F474	-11	83	175	247
0099	00 43.5 -17 40	00 46.0 -17 23	115.30	-80.18	F540	17	125	147	289
0107	00 47.9 -19 33	00 50.4 -19 16	121.11	-82.15	F540	72	24	92	188
0114	00 51.5 -22 00	00 54.0 -21 43	129.14	-84.57	F540	111	-107	53	57
0118	00 53.0 -26 39	00 55.4 -26 22	173.15	-88.84	F474	106	-89	58	75
0122	00 55.0 -26 33	00 57.4 -26 16	180.90	-88.42	F474	129	-84	35	80
0127	00 57.6 -23 47	01 00.0 -23 30	151.68	-85.90	F475	-106	68	270	232
0133	01 00.3 -22 09	01 02.7 -21 52	149.65	-84.16	F541	-38	-115	202	49
0135	01 01.0 -22 52	01 03.4 -22 35	154.58	-84.72	F475	-63	116	227	280
0140	01 02.1 -24 15	01 04.5 -23 58	166.83	-85.69	F475	-49	42	213	206
0141	01 03.1 -24 55	01 05.5 -24 38	175.67	-85.98	F475	-37	7	201	171
0144	01 03.9 -21 10	01 06.3 -20 53	152.37	-82.90	F541	8	-62	156	102
0155	01 07.5 -25 09	01 09.9 -24 53	185.57	-85.28	F475	16	-6	148	158
0177	01 17.6 -21 18	01 20.0 -21 02	171.42	-81.08	F542	-83	-57	247	107
0183	01 19.3 -22 12	01 21.7 -21 56	177.55	-81.38	F542	-59	-118	223	46
0185	01 19.7 -21 44	01 22.1 -21 28	175.59	-81.01	F542	-56	-90	220	74
0187	01 20.1 -19 28	01 22.5 -19 12	166.59	-79.34	F542	-52	30	216	194
0197	01 24.3 -18 26	01 26.7 -18 10	167.01	-77.91	F542	2	88	162	252
0199	01 24.8 -18 02	01 27.2 -17 46	166.23	-77.52	F542	7	107	157	271
0206	01 26.2 -25 55	01 28.6 -25 39	205.00	-81.56	F476	-22	-47	186	117
0210	01 29.9 -26 16	01 32.3 -26 00	208.26	-80.81	F476	21	-66	143	98
0214	01 32.0 -26 22	01 34.3 -26 06	209.31	-80.36	F476	47	-72	117	92
0215	01 32.9 -23 44	01 35.3 -23 28	195.12	-79.45	F476	59	69	105	233
0235	01 37.7 -17 41	01 40.1 -17 25	174.67	-75.16	F543	-94	128	258	292
0238	01 38.6 -23 17	01 41.0 -23 01	195.58	-78.07	F476	130	91	34	255
0264	01 49.6 -26 02	01 51.9 -25 47	210.70	-76.41	F477	-8	-54	172	110
0273	01 51.7 -23 50	01 54.0 -23 35	202.34	-75.43	F477	18	64	146	228
0283	01 54.8 -22 22	01 57.1 -22 07	197.98	-74.27	F477	55	142	109	306
0289	01 58.5 -24 54	02 00.8 -24 39	207.82	-74.22	F477	101	6	63	170

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2708	RI?	II	58	16.2:	16.8	17.9	1C,1O			1	5	17.2
2712	IR	I	83:	17.4	17.8	18.5:	1O,1C			2	6	17.3
0002	R	I:	76:	16.0	17.0	17.8	1O,1C			1	5	17.2
0013	R	III	96	15.4	15.6	16.3	2O,1C			2	5	16.5
0014	RI:	II-III	29	12.7	14.3:	15.0:	1C,1O		0.0640	0	3	15.2
0015	R	III	52	15.9	16.6	17.1	1C		0.121	1	5	17.2
0020	I	II	66:	16.9?	17.3?	18.8:	1C,1O			1	6	17.4
0022	R	I-II	192	16.2	17.6	18.0	1C		0.1432	3	6	17.3
0027	R	II	46	15.0	15.1	16.5	1O			0	5	16.7
0033	R	III	139	18.4	18.6	19.4	1O			3	6	17.4
0035	R	III:	146	17.3	17.9	19.0:	1O,1C			3	6	17.4
0042	R	II	141	16.0?	16.7	17.8	1C		0.1087	3	5	17.2
0047	R	II-III	29	17.0?	17.5	18.1	1C			0	6	17.3
0050	I	II-III:	77	15.9:	17.0	17.8	2C,1O			1	5	17.2
0051	I	II-III	34	15.3	16.0	16.9	1C			0	5	17.1
0061	I	II-III	67	17.5	17.8	18.7	2C			1	6	17.3
0074	I	II-III	50	14.4	15.0	15.8	2C			1	4	15.9
0080	I	III	32	15.1	15.2	15.6	1C			0	4	15.8
0086	R	II-III	41:	14.1:	14.8	15.6	2C		0.0610	0	4	15.8
0088	I	III	35	15.3	15.6	16.8	1C		0.1086	0	5	17.0
0093	I	II	27	14.5	15.5	16.1	1C			0	4	16.3
0097	R	II	72	16.8	17.6	18.0	1C			1	6	17.3
0099	I?	II-III:	28	15.4?	15.9	17.7	1C			0	5	17.2
0107	R	II-III	34	15.6?	15.9	17.1	1C			0	5	17.2
0114	I	II	30	14.4	15.3	15.9	2C,1O		0.0566	0	4	16.0
0118	I	II-III	77	15.8:	16.5	17.4	1C,1O			1	5	17.2
0122	R	I-II	81:	16.0	16.8	18.0	1C,1O			2	5	17.2
0127	R	II-III	41:	17.6	18.6	19.1	1O,1C			0	6	17.4
0133	R	I	60	14.0	15.4	16.4	2O		0.0604	1	5	16.5
0135	RI	II:	74	16.6	18.0	19.0	2O			1	6	17.4
0140	R	I-II	79	15.4	16.4	18.1	1O		0.152	1	6	17.3
0141	I	II-III	49	18.0	18.3	18.5	1O		0.230	0	6	17.3
0144	RI	I-II	54	17.2	18.4	19.2	1O			1	6	17.4
0155	I	II	76	16.1	17.2	18.4	1O			1	6	17.3
0177	R	III	55	17.4	17.7	18.6	1C			1	6	17.3
0183	I	III:	40	15.8	16.3:	17.9:	1C,2O			0	5	17.2
0185	IR	II-III	64	15.9?	16.7	17.6	1C			1	5	17.2
0187	RI	III	57	15.9	16.2	17.5	1C			1	5	17.2
0197	R	III	92	16.0	16.6	17.2	1C			2	5	17.2
0199	RI	III	29	15.9	16.3	17.7	1C			0	5	17.2
0206	R	II	74	17.5	18.3	19.1	1O			1	6	17.4
0210	RI	I-II	65	16.4	17.7	18.7	1O			1	6	17.3
0214	R	I-II	98	16.8:	17.8	19.1	1O			2	6	17.4
0215	RI	II	66:	16.8	18.0	19.1	1O			1	6	17.4
0235	R	III	53	18.6	19.2	19.5	1O			1	6	17.4
0238	R	II-III?	20?	19.1	19.4	19.7	2O			0	6	17.4
0264	R	I-II	59	16.7	16.8	17.8	1O			1	5	17.2
0273	RI	II-III	59	16.7	18.1	18.6	1O			1	6	17.3
0283	IR	II:	80:	16.3	17.9	18.5	2O			2	6	17.3
0289	R	I-II	77:	15.5	17.9	18.4	2O			1	6	17.3

TABLE 6—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
0297	01 59.8 -25 51	02 02.1 -25 36	211.45	-74.11	F477	116	-45	48	119
0302	02 03.2 -25 00	02 05.5 -24 45	209.00	-73.20	F478	-109	0	273	164
0327	02 10.6 -26 23	02 12.9 -26 08	214.50	-71.80	F478	-19	-73	183	91
0325	02 10.9 -25 32	02 13.2 -25 17	211.86	-71.60	F478	-16	-27	180	137
0343	02 16.7 -22 06	02 19.0 -21 52	202.92	-69.43	F544	130	-113	34	51
0341	02 16.8 -17 05	02 19.2 -16 51	190.62	-67.27	F544	137	156	27	320
0353	02 25.0 -22 19	02 27.3 -22 05	205.17	-67.68	F545	-28	-124	192	40
0367	02 34.3 -19 35	02 36.6 -19 21	200.72	-64.68	F545	90	22	74	186
0368	02 35.2 -26 43	02 37.4 -26 30	217.51	-66.39	F479	12	-92	152	72
0380	02 42.3 -26 29	02 44.5 -26 16	217.49	-64.79	F479	96	-78	68	86
0385	02 45.5 -22 06	02 47.8 -21 53	208.13	-63.09	F546	-34	-111	198	53
0386	02 47.6 -17 23	02 49.9 -17 10	199.15	-60.91	F546	-7	142	171	306
0389	02 49.2 -25 09	02 51.4 -24 56	215.12	-63.03	F480	-85	-8	249	156
0402	02 55.4 -22 21	02 57.6 -22 09	210.06	-60.97	F546	88	-125	76	39
0406	02 56.6 -19 51	02 58.9 -19 39	205.44	-59.91	F546	107	11	57	175
0416	03 04.9 -16 54	03 07.2 -16 42	201.69	-56.95	F547	-54	169	218	333
0419	03 06.0 -23 53	03 08.2 -23 41	214.30	-59.02	F480	122	58	42	222
0428	03 13.9 -19 17	03 16.2 -19 05	207.15	-55.89	F547	60	37	104	201
0453	03 42.4 -20 10	03 44.6 -20 00	212.29	-49.88	F549	-110	-8	274	156
0456	03 43.2 -20 55	03 45.4 -20 45	213.49	-49.94	F549	-100	-48	264	116
0457	03 43.3 -20 20	03 45.5 -20 10	212.64	-49.73	F549	-99	-15	263	149
0458	03 43.6 -24 26	03 45.7 -24 16	218.83	-50.82	F482	42	32	122	196
0459	03 43.8 -20 27	03 46.0 -20 17	212.87	-49.66	F549	-93	-23	257	141
0462	03 46.3 -17 50	03 48.6 -17 40	209.44	-48.21	F549	-62	117	226	281
0464	03 47.0 -17 58	03 49.3 -17 48	209.71	-48.10	F549	-53	110	217	274
0463	03 47.1 -21 47	03 49.3 -21 37	215.19	-49.34	F549	-52	-94	216	70
0467	03 48.3 -22 27	03 50.5 -22 17	216.29	-49.26	F549	-37	-130	201	34
0469	03 49.8 -22 22	03 52.0 -22 13	216.32	-48.91	F549	-18	-126	182	38
0472	04 01.4 -17 16	04 03.7 -17 07	210.59	-44.65	F549	131	146	33	310
0473	04 02.0 -17 34	04 04.3 -17 25	211.06	-44.63	F550	-128	128	292	292
0474	04 09.6 -16 49	04 11.9 -16 41	211.03	-42.66	F550	-34	170	198	334
0487	04 20.8 -24 26	04 22.9 -24 19	221.98	-42.64	F484	-40	31	204	195
0490	04 24.8 -20 50	04 27.0 -20 43	217.75	-40.69	F551	-106	-43	270	121
0495	04 27.9 -26 29	04 30.0 -26 22	225.21	-41.62	F484	45	-80	119	84
0499	04 35.0 -20 33	04 37.2 -20 27	218.41	-38.34	F551	22	-28	142	136
0500	04 36.7 -22 13	04 38.8 -22 07	220.58	-38.50	F551	43	-118	121	46
0507	04 41.1 -18 34	04 43.3 -18 28	216.68	-36.31	F552	-166	74	330	238
0510	04 44.1 -21 07	04 46.3 -21 01	219.96	-36.52	F552	-127	-62	291	102
0511	04 44.6 -25 33	04 46.7 -25 27	225.31	-37.75	F485	-20	-27	184	137
0514	04 45.7 -20 31	04 47.9 -20 25	219.41	-35.97	F552	-108	-28	272	136
0524	04 55.8 -19 47	04 58.0 -19 42	219.56	-33.49	F552	18	11	146	175
0533	04 59.2 -22 42	05 01.3 -22 37	223.18	-33.72	F486	-110	125	274	289
0540	05 23.3 -25 46	05 25.3 -25 43	228.64	-29.48	F487	-85	-39	249	125
0543	05 28.5 -22 29	05 30.6 -22 26	225.56	-27.27	F554	-98	-133	262	31
0544	05 28.9 -26 00	05 30.9 -25 57	229.35	-28.36	F487	-18	-52	182	112
0548	05 44.9 -25 39	05 46.9 -25 37	230.30	-24.84	F488	-90	-33	254	131
0550	05 50.8 -21 05	05 52.9 -21 04	226.19	-21.94	F555	-79	-56	243	108
0551	05 52.4 -17 45	05 54.6 -17 44	223.05	-20.30	F555	-60	123	224	287
0555	06 14.9 -17 14	06 17.1 -17 15	224.84	-15.19	F556	-44	147	208	311
0823	09 30.7 -25 38	09 32.9 -25 51	256.59	18.66	F498	-18	-31	182	133

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
0297	RI:	II	93	17.5	18.3	18.3	2O			2	6	17.3
0302	R	I	106	17.5	18.6	19.0	2O			2	6	17.3
0327	RI	I-II	68	16.0	17.5	17.8	1O			1	5	17.2
0325	R	I?	149:	17.5:	17.6:	18.6	1O			3	6	17.3
0343	RI:	II-III	65	16.9	18.0	19.0	3O			1	6	17.4
0341	I	II-III	58	16.2	17.1	18.4	1O			1	6	17.3
0353	R	II	73	16.8	18.1	18.7	2O,1C			1	6	17.3
0367	R	I	101	15.3	16.0	17.3	1O			2	5	17.2
0368	R	II?	85	17.9	18.6	19.2	1C			2	6	17.4
0380	RI:	II	82:	16.0:	16.5	17.2	1C,1O			2	5	17.2
0385	I	III	25	17.5	17.8	18.5	2C			0	6	17.3
0386	I	III	50	16.2	16.5	16.9	1C			1	5	17.1
0389	R	I	133	15.1	16.0	16.8	1O		0.1160	3	5	17.0
0402	R	III	58:	18.8	19.3	19.8	1C,2O			1	6	17.4
0406	RI	II	57	18.0	18.3	19.2	2C,1O			1	6	17.4
0416	I	I-II	44	18.4	18.6	19.2	1O,1C			0	6	17.4
0419	RI	I-II	28	14.3	14.6	16.0	2O		0.0406	0	4	16.2
0428	RI	II	32	15.1	15.6:	16.4	1C,1O			0	5	16.5
0453	RI	II	61	16.4:	17.7	18.2	2O			1	6	17.3
0456	IR	II-III	136:	15.8	17.8	19.1	2O			3	6	17.3
0457	RI	II-III	91:	17.8	18.5	19.0	2O			2	6	17.3
0458	IR	I	90	14.8:	16.2	16.8	1C		0.1050	2	5	17.0
0459	I	II	105	16.1	17.3	18.1	1O			2	6	17.3
0462	I	II	89	16.1	16.6	17.8	1O			2	5	17.2
0464	R:	I	133	16.4	17.1	17.6	1O			3	5	17.2
0463	RI	II	36	16.7	18.0	18.5	1O			0	6	17.3
0467	RI:	I-II	73	16.5:	17.0	18.3	1O,1C			1	6	17.3
0469	R	I-II	102	17.0	17.6	18.8:	1O,2C			2	6	17.3
0472	RI	II-III	124	16.8?	17.5	18.1	1O,1C			2	5	17.2
0473	I	I-II	72:	15.7:	17.0:	18.2	1C,1O			1	6	17.3
0474	R?	II?	0*	15.1	15.7	17.1	1C			0	5	17.2
0487	I	II-III	93	16.4	17.0	17.6	1C			2	5	17.2
0490	RI	I	48	17.7	18.1	18.7	1O			0	6	17.3
0495	R	III	78	16.7:	16.9	18.1	1C			1	6	17.3
0499	R:	I-II	91	16.7	17.5	18.8	1O			2	5	17.2
0500	R	II-III	58:	14.8	15.1	15.8	1O,1C		0.0666	1	4	15.9
0507	R	III	33	18.7	19.1:	20.0	1C			0	6	17.3
0510	RI	II-III:	40	17.9?	18.5:	19.4	1C			0	6	17.3
0511	RI	III	92	17.1	17.3	18.0	1C			2	5	17.2
0514	I	II-III	60	14.4:	15.1	16.0	1C,1O		0.0731	1	4	16.1
0524	R	III	74	16.2	16.4	17.7	1C			1	5	17.1
0533	R	III	37	14.4	14.7	15.5	3C		0.0472	0	3	15.6
0540	RI	II-III	84	17.2	17.5	18.5	1C			2	5	17.2
0543	RI	II	90	17.6	18.5:	19.2	1O,2C			2	6	17.3
0544	I	III	92	17.2	17.6	18.1	1C			2	5	17.2
0548	RI	I-II	92	13.3	13.5	14.6	1O		0.041	2	2	14.6
0550	R	I-II	50	15.6	15.8	16.8	1O			1	5	16.8
0551	IR	II-III	143	17.6	18.3	18.8	1O			3	5	17.1
0555	I	I-II	62	16.2	16.5	17.5	1C,1O			1	5	16.8
0823	R	II-III:	98	17.8	18.2	19.2	1C			2	6	17.4

TABLE 6—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
0842	09 36.1 -20 45	09 38.4 -20 58	253.77	22.96	F565	109	-40	55	124
0857	09 39.9 -22 26	09 42.2 -22 39	255.75	22.41	F498	95	140	69	304
0916	10 01.4 -19 07	10 03.8 -19 21	257.24	28.27	F567	-97	48	261	212
0955	10 10.6 -24 15	10 12.9 -24 29	262.82	25.77	F500	-67	42	231	206
0966	10 13.9 -25 10	10 16.2 -25 24	264.10	25.51	F500	-26	-8	190	156
1060	10 34.3 -27 15	10 36.7 -27 30	269.59	26.50	F501	-45	-121	209	43
1088	10 42.2 -19 13	10 44.6 -19 28	266.15	34.18	F569	-113	42	277	206
1090	10 43.2 -18 05	10 45.6 -18 20	265.61	35.25	F569	-101	105	265	269
1146	10 58.8 -22 27	11 01.2 -22 43	272.17	33.49	F569	95	-131	69	33
1160	11 02.7 -18 42	11 05.2 -18 58	270.87	37.20	F570	-122	71	286	235
1161	11 02.9 -21 51	11 05.4 -22 07	272.82	34.47	F570	-117	-98	281	66
1163	11 03.3 -21 16	11 05.8 -21 32	272.58	35.03	F570	-110	-68	274	96
1165	11 03.8 -24 29	11 06.2 -24 45	274.53	32.25	F502	43	30	121	194
1181	11 06.7 -19 29	11 09.2 -19 45	272.38	36.98	F570	-68	29	232	193
1217	11 15.1 -24 59	11 17.6 -25 15	277.52	32.94	F503	-86	2	250	166
1233	11 19.3 -18 41	11 21.8 -18 57	275.28	39.05	F570	90	72	74	236
1300	11 29.4 -19 38	11 31.9 -19 54	278.58	39.17	F571	-47	20	211	184
1311	11 30.8 -23 49	11 33.3 -24 05	280.94	35.42	F503	107	64	57	228
1347	11 39.3 -25 16	11 41.8 -25 32	283.77	34.72	F504	-60	-11	224	153
1352	11 39.5 -21 12	11 42.0 -21 28	282.15	38.58	F571	79	-64	85	100
1418	11 53.3 -18 21	11 55.9 -18 37	285.02	42.30	F572	-11	89	175	253
1440	11 58.1 -23 08	12 00.7 -23 24	288.11	37.99	F505	-100	102	264	266
1450	12 00.6 -23 02	12 03.2 -23 18	288.79	38.23	F505	-69	107	233	271
1451	12 00.9 -21 16	12 03.5 -21 32	288.33	39.96	F572	83	-68	81	96
1511	12 14.1 -18 58	12 16.7 -19 14	291.72	42.87	F573	-12	56	176	220
1537	12 24.0 -25 33	12 26.6 -25 49	295.97	36.71	F506	-49	-29	213	135
1584	12 38.3 -18 21	12 40.9 -18 37	299.47	44.18	F574	27	89	137	253
1604	12 41.3 -22 51	12 43.9 -23 07	300.70	39.72	F507	-110	115	274	279
1625	12 48.5 -20 32	12 51.2 -20 48	302.85	42.07	F575	-109	-27	273	137
1633	12 51.1 -26 08	12 53.8 -26 24	303.59	36.46	F507	10	-60	154	104
1644	12 54.6 -17 08	12 57.2 -17 24	304.91	45.45	F575	-33	155	197	319
1648	12 56.2 -26 21	12 58.9 -26 37	305.01	36.22	F507	72	-73	92	91
1664	13 00.7 -24 01	13 03.4 -24 17	306.42	38.51	F507	129	51	35	215
1699	13 12.2 -21 49	13 14.9 -22 04	310.09	40.46	F576	-74	-97	238	67
1709	13 16.1 -21 11	13 18.8 -21 26	311.39	40.98	F576	-26	-63	190	101
1727	13 21.4 -22 49	13 24.1 -23 04	312.65	39.18	F576	42	-151	122	13
1732	13 22.4 -19 58	13 25.1 -20 13	313.58	41.95	F576	54	1	110	165
1736	13 24.3 -26 54	13 27.1 -27 09	312.63	35.04	F509	-115	-107	279	57
1757	13 30.8 -23 02	13 33.5 -23 17	315.33	38.57	F509	-44	106	208	270
1771	13 39.4 -26 02	13 42.2 -26 17	316.89	35.21	F509	63	-54	101	110
1791	13 46.0 -25 12	13 48.8 -25 26	318.91	35.64	F510	-123	-9	287	155
1794	13 47.8 -26 09	13 50.6 -26 23	319.08	34.61	F510	-101	-60	265	104
1802	13 48.5 -26 30	13 51.3 -26 44	319.14	34.23	F510	-92	-79	256	85
1816	13 52.9 -26 07	13 55.7 -26 21	320.42	34.32	F510	-40	-58	204	106
1822	13 55.8 -25 10	13 58.6 -25 24	321.53	35.03	F510	-5	-7	169	157
1846	14 01.0 -25 10	14 03.8 -25 24	322.88	34.65	F510	59	-8	105	156
1853	14 02.8 -19 32	14 05.6 -19 46	325.84	39.78	F578	34	26	130	190
1857	14 05.6 -24 27	14 08.4 -24 41	324.38	34.96	F510	114	29	50	193
1883	14 12.9 -23 05	14 15.7 -23 18	326.90	35.60	F511	-65	103	229	267
1924	14 28.7 -22 11	14 31.5 -22 24	331.41	34.87	F579	94	-116	70	48

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
0842	I	II:	39	14.6?	16.5	17.1	1C,1O			0	5	17.2
0857	RI:	II-III	63	16.1?	17.0	18.0	2C,1O			1	6	17.3
0916	I	II-III	33	17.5	17.9	18.9	1C			0	6	17.4
0955	R	II-III	84	17.6?	17.9	18.6	1C			2	6	17.4
0966	R	II:	65	17.0?	17.6	18.5	1C			1	6	17.4
1060	RI	III	39	11.5	11.8	12.7:	1C,1O		0.0114	0	0	13.0
1088	RI	II-III	25	15.6	16.0	16.8	2C			0	5	17.2
1090	R	II	32*	15.6	16.6	17.3:	2C			0	6	17.4
1146	R	I?	162:	15.8	17.0	17.7	2C,1O		0.141	3	6	17.4
1160	IR:	III	68	18.4:	18.6:	19.2?	2C			1	6	17.6
1161	I	III	53	16.6?	17.0?	17.8:	2C			1	6	17.4
1163	R:	II	85	16.1?	17.0	17.8	1C			2	6	17.4
1165	R	I-II	50	17.8?	18.9	19.2	1O			1	6	17.6
1181	I	II-III	89	17.7	18.0	18.7	1C			2	6	17.5
1217	RI	I-II	73	16.9	18.1	19.3	1O			1	6	17.6
1233	R	I-II	69	17.3?	17.9	18.7	1C			1	6	17.5
1300	I	II-III	80	18.6	18.9	19.4	1C			2	6	17.6
1311	RI:	II:	25	18.3	18.4	18.8	2O			0	6	17.6
1347	RI	I	47:	15.1	15.5	16.8	1O			0	5	17.2
1352	I	III	95	18.9	19.1	19.7	1C			2	6	17.6
1418	R	II	60	16.3	16.8	17.7:	1C			1	6	17.4
1440	IR	I-II	44	17.7	18.4	19.1	1O,1C			0	6	17.6
1450	R	II	83	17.2:	18.0	19.0	1O,1C			2	6	17.6
1451	R	II-III	155	17.9	18.4	18.9	1C			3	6	17.5
1511	R	II-III	97	15.9	16.6	17.5	1C			2	6	17.4
1537	RI:	II	49:	18.3	18.7	19.3	1C,1O			0	6	17.6
1584	I	II-III	53	16.7	16.8	18.0	1O			1	6	17.5
1604	R	II	53:	17.0	17.6	18.3	2O,1C			1	6	17.5
1625	I	II-III	12	16.0	16.3	16.9	1O			0	6	17.3
1633	R	I-II	100	18.1	18.6	19.5	1O			2	6	17.6
1644	R	I	92:	13.5	14.5	15.7	1O		0.0449	2	4	16.1
1648	IR	I-II	13	15.1	15.9	16.7	1O			0	5	17.1
1664	R:	II	88	16.0	17.4	18.0	1O			2	6	17.5
1699	RI	II-III	114	15.8?	17.3	18.0	1O			2	6	17.5
1709	I	II	0	14.7	15.3	16.0	1O			0	4	16.4
1727	I	I	30:	18.0	18.5	18.9	1O,1C			0	6	17.6
1732	RI	I-II	116	17.0	18.3	18.6	1O			2	6	17.5
1736	IR	II	104:	13.0	13.9	14.9	1C,2O		0.035	2	3	15.3
1757	I	III	50	18.5	18.7	19.3	1C			1	6	17.6
1771	I	III	40	17.5	17.6	18.3	1C			0	6	17.5
1791	RI	I	69:	16.1?	17.0:	17.5:	1O,1C			1	6	17.4
1794	IR	II	92	15.5	16.4	16.8	1O			2	5	17.2
1802	RI	I	93	15.4	16.1	17.5	1O			2	6	17.4
1816	I	II	85	16.3*	18.0	18.4	1O			2	6	17.5
1822	R	I-II	110	17.5	18.2	18.8	1O			2	6	17.5
1846	R	I-II	35	12.9*	16.6	18.0	1O			0	6	17.5
1853	R	I-II	50	15.9	17.0	17.5	1O			1	6	17.4
1857	RI	II	73	16.6	17.5	17.6	1O			1	6	17.4
1883	I	II-III	83	18.0	18.1	19.4	1O			2	6	17.6
1924	RI:	II	85	15.8:	17.1	17.8	4O			2	6	17.4

TABLE 6—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
1935	14 32.8 -19 12	14 35.6 -19 25	334.19	37.05	F580	-119	41	283	205
1945	14 37.4 -22 06	14 40.3 -22 18	333.61	34.00	F580	-61	-111	225	53
1977	14 49.4 -24 19	14 52.3 -24 31	335.11	30.69	F512	111	37	53	201
1981	14 50.5 -24 12	14 53.4 -24 24	335.43	30.66	F512	125	45	39	209
1996	14 54.6 -23 43	14 57.5 -23 55	336.65	30.58	F513	-92	69	256	233
2325	20 27.1 -25 09	20 30.1 -24 58	19.07	-31.95	F528	-63	-6	227	158
2328	20 45.4 -18 00	20 48.2 -17 48	28.78	-33.56	F597	79	107	85	271
2330	20 54.8 -22 14	20 57.7 -22 02	24.82	-37.08	F598	-67	-119	231	45
2332	20 56.8 -17 07	20 59.6 -16 55	30.99	-35.76	F598	-43	155	207	319
2333	20 58.0 -19 27	21 00.8 -19 15	28.41	-36.87	F598	-27	30	191	194
2334	21 01.3 -25 29	21 04.2 -25 17	21.41	-39.45	F529	86	-22	78	142
2335	21 03.3 -22 00	21 06.2 -21 47	25.88	-38.88	F598	39	-106	125	58
2336	21 04.6 -21 23	21 07.5 -21 10	26.75	-38.97	F598	55	-73	109	91
2337	21 14.6 -22 35	21 17.5 -22 22	26.19	-41.54	F530	-23	132	187	296
2338	21 17.9 -26 19	21 20.8 -26 06	21.60	-43.27	F530	22	-70	142	94
2339	21 18.1 -21 40	21 20.9 -21 27	27.70	-42.04	F599	-40	-89	204	75
2341	21 18.8 -23 25	21 21.7 -23 12	25.50	-42.71	F530	29	88	135	252
2344	21 22.9 -21 00	21 25.7 -20 47	29.03	-42.89	F599	19	-53	145	111
2347	21 26.8 -22 29	21 29.6 -22 15	27.46	-44.21	F599	66	-132	98	32
2357	21 33.9 -23 29	21 36.7 -23 15	26.75	-46.06	F531	-54	83	218	247
2364	21 39.2 -20 33	21 42.0 -20 19	31.33	-46.36	F600	-39	-28	203	136
2365	21 40.2 -18 55	21 43.0 -18 41	33.67	-46.04	F600	-26	59	190	223
2369	21 42.0 -18 35	21 44.8 -18 21	34.33	-46.32	F600	-3	77	167	241
2370	21 42.2 -19 47	21 45.0 -19 33	32.71	-46.78	F600	-1	13	165	177
2372	21 42.5 -20 13	21 45.3 -19 59	32.15	-46.99	F600	2	-11	162	153
2371	21 42.5 -24 26	21 45.3 -24 12	26.16	-48.20	F531	49	36	115	200
2375	21 43.2 -19 23	21 46.0 -19 09	33.38	-46.87	F600	12	34	152	198
2378	21 44.5 -20 14	21 47.3 -20 00	32.35	-47.44	F600	28	-12	136	152
2383	21 49.2 -21 27	21 52.0 -21 12	31.13	-48.86	F600	86	-78	78	86
2384	21 49.6 -19 47	21 52.4 -19 32	33.57	-48.42	F600	92	12	72	176
2385	21 50.2 -23 49	21 53.0 -23 34	27.75	-49.74	F532	-125	64	289	228
2394	21 52.8 -19 29	21 55.6 -19 14	34.38	-49.03	F600	133	27	31	191
2401	21 55.6 -20 21	21 58.4 -20 06	33.45	-49.94	F601	-96	-17	260	147
2403	21 56.4 -18 28	21 59.1 -18 13	36.29	-49.48	F601	-87	84	251	248
2405	21 56.9 -18 03	21 59.6 -17 48	36.96	-49.44	F601	-80	107	244	271
2412	22 01.3 -21 41	22 04.1 -21 26	32.10	-51.61	F601	-24	-88	188	76
2416	22 02.1 -25 30	22 04.9 -25 15	26.15	-52.77	F532	21	-23	143	141
2417	22 04.7 -24 40	22 07.5 -24 25	27.72	-53.16	F532	51	22	113	186
2418	22 06.4 -26 21	22 09.2 -26 06	25.09	-53.89	F532	72	-68	92	96
2427	22 12.6 -24 10	22 15.4 -23 55	29.27	-54.79	F533	-116	45	280	209
2444	22 25.0 -24 05	22 27.8 -23 49	30.62	-57.51	F533	35	50	129	214
2461	22 36.5 -21 20	22 39.2 -21 04	37.06	-59.32	F603	-111	-70	275	94
2462	22 36.5 -17 36	22 39.2 -17 20	43.76	-57.98	F603	-112	130	276	294
2466	22 37.8 -21 12	22 40.5 -20 56	37.49	-59.56	F603	-94	-62	258	102
2474	22 40.4 -20 27	22 43.1 -20 11	39.29	-59.89	F603	-62	-21	226	143
2477	22 41.3 -17 23	22 44.0 -17 07	45.03	-58.94	F603	-51	142	215	306
2478	22 41.9 -18 00	22 44.6 -17 44	44.05	-59.32	F603	-44	110	208	274
2480	22 43.5 -17 58	22 46.2 -17 42	44.41	-59.65	F603	-23	112	187	276
2481	22 44.1 -21 55	22 46.8 -21 39	37.02	-61.18	F603	-15	-100	179	64
2488	22 46.7 -23 48	22 49.4 -23 32	33.53	-62.26	F534	31	66	133	230

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
1935	IR:	II	94:	15.2	17.2:	18.8:	2O			2	6	17.6
1945	I	II-III	48	17.8	17.8	18.5:	2O			0	6	17.6
1977	R	II-III	96	17.0	17.2	17.7	2O			2	6	17.4
1981	RI	II	53	16.8	16.8	18.3	2O			1	6	17.5
1996	R	I	38	15.7	17.5	18.0	1O			0	6	17.5
2325	RI	I-II	47	15.3	16.0	17.3	1O			0	5	17.1
2328	R	I	46	15.9	16.8	17.5	1O		0.1470	0	5	17.1
2330	I	III	102?	16.7	17.0	18.0	1O,2C		0.1138	2	5	17.1
2332	R	II	36	17.7	18.6	18.7	1O			0	5	17.2
2333	RI	II	55	16.4	16.8	17.5	1O			1	5	17.1
2334	R	II:	111	18.0	18.5	19.1	2C			2	6	17.4
2335	R	I	121?	17.3	17.8	18.4	1O,3C			2	5	17.2
2336	RI	II	111	17.8	18.0	18.9	1O			2	5	17.2
2337	I	II-III?	35	17.3	17.6	18.4	1C			0	6	17.3
2338	I	II:	45	16.0?	16.8	17.7	1C			0	5	17.2
2339	RI	II	26	15.8	16.8	17.4	1O		0.1128	0	5	17.2
2341	R	II-III	60	16.3	16.8?	18.0	1C			1	6	17.3
2344	R	II	52	16.1	18.0	19.1	1O		0.1447	1	6	17.4
2347	RI?	I	35	15.8	16.8	17.6	1O,1C		0.1196	0	5	17.2
2357	RI:	III	45	16.7	17.0	17.7	1C,1O			0	5	17.2
2364	I	II-III	45	16.7	17.5	18.1	1O			0	6	17.3
2365	R	II	59	15.5*	18.1	19.2	1O			1	6	17.4
2369	R:	I	21	18.0	18.6	19.1	1O			0	6	17.4
2370	I	II-III	31	15.6	16.0	16.8	1O			0	5	17.0
2372	RI	I	42	14.8	15.7	16.6	1O			0	5	16.8
2371	I	III	59	16.5	17.0	17.6	1C,1O			1	5	17.2
2375	RI	II	60	16.1	17.5	18.7	1O			1	6	17.3
2378	RI	II	8	15.4	16.4	16.7	1O			0	5	16.9
2383	RI?	II	5	17.1	17.4	17.8	2O			0	5	17.2
2384	R	II	72	15.8	16.2	17.2	2O		0.0943	1	5	17.2
2385	I	II-III	44	17.4	17.8	18.6	2C,1O			0	6	17.3
2394	RI	II:	27	15.4	16.0	17.8	2O			0	5	17.2
2401	I	I	66	14.5	15.1	15.6	1O			1	4	15.8
2403	I	II	43	16.7	17.8	19.4	1O			0	6	17.4
2405	R	I	-4	13.9	15.2	16.5	1O			0	5	16.7
2412	R	I-II	23	15.3	16.0	16.1	1O		0.0735	0	4	16.3
2416	R	II?	65	17.9	18.5	19.3	1C			1	6	17.4
2417	I	II-III	64	16.7?	17.3	18.5	1C			1	6	17.3
2418	I	III?	53	17.3?	17.9?	18.9	1C			1	6	17.3
2427	R	III	55	18.6?	18.8:	19.4	2C			1	6	17.4
2444	RI	II-III:	(53)	18.7	19.1	19.8	1C		0.324	1	6	17.4
2461	I	II	39	16.8	18.0	18.5	1O			0	6	17.3
2462	RI	I-II	32	14.9	15.9	17.4	1O		0.0698	0	5	17.2
2466	I:	I-II	37	17.3	18.1	18.5	1O			0	6	17.3
2474	I	I-II	108	16.1	16.8	18.0	1O			2	6	17.3
2477	I	II	72	17.3	17.5	18.4	1O			1	6	17.3
2478	R	I	64	16.1	17.8	18.4	1O			1	6	17.3
2480	RI	II	108	15.0	16.0	16.8	1O			2	5	17.0
2481	R	I	55:	16.1	16.8	19.1	1O			1	6	17.4
2488	IR	III	68	17.4	18.3	19.1	1O			1	6	17.4

TABLE 6—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2487	22 46.8 -21 15	22 49.5 -20 59	38.74	-61.57	F603	19	-65	145	99
2492	22 47.8 -19 30	22 50.5 -19 14	42.34	-61.19	F603	32	29	132	193
2493	22 48.1 -26 21	22 50.8 -26 05	28.23	-63.08	F534	46	-71	118	93
2497	22 48.5 -20 23	22 51.2 -20 07	40.74	-61.65	F603	40	-18	124	146
2499	22 50.2 -26 17	22 52.9 -26 01	28.54	-63.54	F534	71	-68	93	96
2500	22 50.8 -25 49	22 53.5 -25 33	29.62	-63.59	F534	79	-43	85	121
2509	22 55.2 -22 01	22 57.9 -21 44	38.48	-63.66	F603	123	-107	41	57
2514	22 57.8 -23 31	23 00.5 -23 14	35.55	-64.65	F535	-104	80	268	244
2518	22 58.1 -24 24	23 00.8 -24 07	33.58	-64.93	F535	-99	32	263	196
2521	22 59.5 -22 18	23 02.2 -22 01	38.54	-64.70	F604	-83	-123	247	41
2523	23 01.0 -17 27	23 03.6 -17 10	49.10	-63.21	F604	-67	-42	231	122
2526	23 01.7 -24 22	23 04.4 -24 05	34.09	-65.72	F535	-55	34	219	198
2527	23 02.7 -25 36	23 05.4 -25 19	31.24	-66.19	F535	-42	-32	206	132
2528	23 02.9 -21 40	23 05.6 -21 23	40.54	-65.25	F604	-41	-89	205	75
2531	23 04.2 -21 57	23 06.9 -21 40	40.12	-65.63	F604	-24	-104	188	60
2534	23 05.0 -22 59	23 07.7 -22 42	37.84	-66.11	F535	-14	108	178	272
2536	23 05.1 -22 44	23 07.8 -22 27	38.45	-66.06	F535	-13	122	177	286
2538	23 05.9 -20 11	23 08.6 -19 54	44.46	-65.39	F604	-4	-8	168	156
2539	23 06.1 -21 48	23 08.8 -21 31	40.81	-66.00	F604	-2	-95	166	69
2540	23 06.8 -22 26	23 09.5 -22 09	39.44	-66.35	F604	6	-131	158	33
2542	23 07.4 -24 46	23 10.1 -24 29	33.82	-67.08	F535	15	13	149	177
2541	23 07.7 -23 14	23 10.4 -22 57	37.66	-66.77	F535	19	95	145	259
2546	23 08.0 -22 56	23 10.7 -22 39	38.44	-66.76	F535	23	111	141	275
2547	23 08.2 -21 25	23 10.9 -21 08	42.10	-66.33	F604	23	-75	141	89
2548	23 08.6 -20 44	23 11.3 -20 27	43.78	-66.18	F604	29	-39	135	125
2550	23 08.9 -22 03	23 11.6 -21 46	40.73	-66.69	F604	34	-108	130	56
2553	23 09.6 -25 14	23 12.3 -24 57	32.90	-67.66	F535	43	-12	121	152
2554	23 09.7 -21 49	23 12.4 -21 32	41.44	-66.79	F604	42	-94	122	70
2555	23 10.2 -22 29	23 12.9 -22 12	39.92	-67.11	F604	48	-133	116	31
2557	23 10.4 -17 15	23 13.0 -16 58	51.88	-65.11	F604	53	147	111	311
2556	23 10.5 -21 55	23 13.2 -21 38	41.36	-67.00	F604	51	-102	113	62
2565	23 13.1 -21 27	23 15.7 -21 10	43.01	-67.42	F604	85	-77	79	87
2566	23 13.6 -20 46	23 16.2 -20 29	44.78	-67.28	F604	90	-39	74	125
2568	23 14.5 -22 28	23 17.1 -22 11	40.75	-68.05	F604	102	-133	62	31
2576	23 17.0 -22 45	23 19.6 -22 28	40.49	-68.69	F535	135	120	29	284
2575	23 17.1 -22 19	23 19.7 -22 02	41.64	-68.58	F605	-126	-123	290	41
2577	23 18.1 -23 16	23 20.7 -22 59	39.32	-69.08	F536	-124	92	288	256
2579	23 18.6 -21 52	23 21.2 -21 35	43.12	-68.76	F605	-108	-97	272	67
2580	23 18.8 -23 29	23 21.4 -23 12	38.86	-69.29	F536	-115	81	279	245
2581	23 19.1 -17 16	23 21.7 -16 59	54.34	-66.93	F605	-104	152	268	316
2583	23 19.5 -20 44	23 22.1 -20 27	46.24	-68.55	F605	-96	-35	260	129
2585	23 20.3 -26 34	23 23.0 -26 17	30.31	-70.25	F536	-94	-85	258	79
2587	23 20.7 -22 43	23 23.3 -22 26	41.30	-69.49	F536	-92	123	256	287
2586	23 20.7 -20 40	23 23.3 -20 23	46.70	-68.78	F605	-82	-32	246	132
2595	23 22.3 -20 50	23 24.9 -20 33	46.68	-69.19	F605	-60	-42	224	122
2596	23 22.4 -23 41	23 25.0 -23 24	38.94	-70.14	F536	-71	71	235	235
2600	23 24.0 -22 42	23 26.6 -22 25	42.03	-70.21	F536	-51	124	215	288
2599	23 24.2 -24 08	23 26.8 -23 51	37.95	-70.66	F536	-49	47	213	211
2601	23 24.3 -24 43	23 26.9 -24 26	36.25	-70.81	F536	-48	16	212	180
2603	23 25.3 -25 40	23 27.9 -25 23	33.52	-71.22	F536	-35	-35	199	129

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2487	I	II	61	17.3	18.0	19.1	1O			1	6	17.4
2492	R	I	62	14.7	15.4	16.1	1O			1	4	16.3
2493	I	I-II	34	15.9	16.7	18.3	1O			0	6	17.3
2497	I	I-II	35	16.8	18.1	18.6	1O			0	6	17.3
2499	I	II	48	17.5	18.0	18.6	1O			0	6	17.3
2500	RI	II	56	15.9	17.3	18.1	1O			1	6	17.3
2509	R	II	61:	17.3	18.4:	19.4	2O,1C		0.2306	1	6	17.4
2514	I	III	31	17.5	19.1	19.3	2O			0	6	17.4
2518	I	II-III	43	16.3	16.9	18.0	1O		0.1351	0	6	17.3
2521	R	I-II	85	16.4	17.3	18.0	1C,1O		0.1359	2	5	17.2
2523	I:	II-III	84	15.6	16.0	17.1	1C			2	5	17.2
2526	IR	II	26	16.0	18.1	18.6	1O			0	6	17.3
2527	I	I-II	-9	17.5	19.2	19.4	1O			0	6	17.4
2528	R	II	72	15.3	16.1	17.2	1C		0.0955	1	5	17.2
2531	RI:	II:	60	17.5	17.5	18.6	1C,1O		0.1741	1	6	17.3
2534	R?	II?	126	16.0	17.7	18.9	1O,1C		0.1976	2	6	17.4
2536	RI?	II-III?	58	17.3	17.9	18.7	1O,1C		0.1971	1	6	17.3
2538	R	II-III	83	14.9	15.3	15.9	1C		0.0817	2	4	16.1
2539	I	II-III	52	15.2	15.7	16.3	1C		0.1735	1	5	16.5
2540	R	III	46	16.0	16.8	18.3	1C,1O		0.1297	0	6	17.3
2542	I	II-III	44	13.7*	17.0	18.3	1O		0.1603	0	6	17.3
2541	RI	I-II	76	15.3*	16.7	17.5	1O		0.1018	1	5	17.2
2546	IR	III?	62	16.8	16.9	17.9	1O,1C		0.1119	1	5	17.2
2547	R:	II-III	127	17.1	17.6	18.2	1C		0.1492	2	6	17.3
2548	I	III	38	14.8	15.4	16.1	1C		0.1101	0	4	16.3
2550	R	II-III	84:	16.5	17.6:	18.3	1C,1O		0.1543	2	6	17.3
2553	R	I-II	83	17.5	18.1	18.7	1O			2	6	17.3
2554	RI:	I-II	100:	15.7	16.3	17.2	1C,1O		0.1060	2	5	17.2
2555	RI	I-II	63:	16.0	17.1:	17.8	1C,1O		0.1385	1	5	17.2
2557	R:	II:	64	17.0	17.5	18.8	1C			1	6	17.3
2556	R	I	65	14.6:	16.0	16.9	1C		0.0865	1	5	17.1
2565	I	III	65	16.0	16.2	16.7	1C		0.1271	1	5	16.9
2566	I	II	67	15.2?	15.9	16.4	1C		0.0821	1	5	16.6
2568	I	II-III	42	15.8	17.0:	17.9	2C,1O		0.1398	0	5	17.2
2576	R	III	56	17.4	18.1	18.5	2O,2C			1	6	17.3
2575	RI:	III	40:	17.4:	18.8	19.4	2C,2O			0	6	17.4
2577	R	I-II	48	16.0	16.8	18.0	2O			0	6	17.3
2579	IR:	II	81:	15.6:	16.3:	17.4	2C			2	5	17.2
2580	R	I	77	15.1:	17.1	18.3	2O			1	6	17.3
2581	I	II-III	45*	18.1	18.6	19.1	2C			0	6	17.4
2583	R	III	49	16.5	16.7	17.4	1C			0	5	17.2
2585	I	I-II	50	16.4	16.6	18.1	1O			1	6	17.3
2587	I	III	51?	17.5?	18.3:	19.1	1O,1C			1	6	17.4
2586	I	II-III	39	16.4?	16.7	17.6	1C			0	5	17.2
2595	R	II-III	50	17.3:	18.0	19.0	1C			1	6	17.3
2596	RI	I-II	46	15.5	16.1	17.0	1O			0	5	17.2
2600	I	III	50	15.5	16.0	17.0	1O,1C			1	5	17.1
2599	RI	II	84:	15.4	15.6	16.6	1O			2	5	16.8
2601	I	II-III	54	16.7	17.5	18.6	1O			1	6	17.3
2603	RI	I-II	43	16.1	18.0	18.4	1O			0	6	17.3

TABLE 6—*Continued*

Abell	RA (1950) Dec	RA (2000) Dec	l	b	Field	x_{cen}	y_{cen}	x_{II}	y_{II}
2604	23 25.8 -22 51	23 28.4 -22 34	41.98	-70.65	F536	-29	116	193	280
2605	23 26.5 -23 42	23 29.1 -23 25	39.64	-71.05	F536	-21	70	185	234
2606	23 26.8 -21 25	23 29.4 -21 08	46.26	-70.38	F605	-4	-76	168	88
2609	23 27.7 -26 25	23 30.3 -26 08	31.44	-71.87	F536	-5	-76	169	88
2608	23 27.7 -21 58	23 30.3 -21 41	44.95	-70.78	F605	6	-102	158	62
2612	23 28.2 -18 57	23 30.8 -18 40	53.21	-69.64	F605	12	120	152	284
2615	23 30.3 -23 48	23 32.9 -23 31	40.08	-71.92	F536	26	64	138	228
2614	23 30.5 -21 50	23 33.1 -21 33	46.04	-71.34	F605	41	-96	123	68
2628	23 34.4 -24 28	23 37.0 -24 11	38.73	-72.99	F536	76	28	88	192
2629	23 35.2 -23 11	23 37.8 -22 54	43.10	-72.81	F536	87	97	77	261
2641	23 38.3 -25 10	23 40.9 -24 53	37.03	-74.01	F536	122	-10	42	154
2655	23 41.9 -22 10	23 44.5 -21 53	48.30	-73.91	F606	-78	-114	242	50
2660	23 42.9 -26 22	23 45.5 -26 05	33.22	-75.24	F537	-88	-72	252	92
2663	23 47.3 -25 02	23 49.9 -24 45	39.23	-75.97	F537	-35	0	199	164
2667	23 49.1 -26 20	23 51.7 -26 03	34.15	-76.61	F537	-14	-71	178	93
2679	23 52.7 -20 44	23 55.3 -20 27	57.41	-75.54	F606	57	-38	107	126
2680	23 53.9 -21 19	23 56.5 -21 02	55.90	-76.07	F606	72	-69	92	95
2682	23 54.9 -20 51	23 57.5 -20 34	58.06	-76.04	F538	-66	-44	230	120
2681	23 55.0 -24 37	23 57.6 -24 20	42.90	-77.56	F537	58	22	106	186
2683	23 55.0 -25 52	23 57.6 -25 35	37.18	-77.84	F537	58	-45	106	119
2685	23 55.8 -24 42	23 58.4 -24 25	42.75	-77.76	F537	69	18	95	182
2686	23 56.5 -21 03	23 59.1 -20 46	58.13	-76.46	F538	-46	-55	210	109
2690	23 57.7 -25 29	00 00.3 -25 12	39.58	-78.36	F472	-31	-24	195	140
2693	23 59.6 -19 52	00 02.2 -19 35	64.05	-76.42	F538	-6	9	170	173

Abell	T_A	T_{B-M}	C	m_1	m_3	m_{10}	Obs	Previous	z	R	D	m
2604	R	III	-4	17.3?	17.8?	18.7:	1O,1C			0	6	17.3
2605	RI	I-II	42	15.3	16.0	17.4	1O			0	5	17.2
2606	I	II?	61	17.3?	18.1?	19.2	1C			1	6	17.4
2609	RI	I-II	73	15.9	17.4	17.8	1O			1	5	17.2
2608	IR	III	57	17.3	17.6	18.2	1C			1	6	17.3
2612	IR	III:	85	18.4:	19.0:	19.6	1C			2	6	17.4
2615	RI	II-III	130	16.9	17.8	19.1	1O			3	6	17.4
2614	I	II?	9	17.9	18.8	19.6	1C			0	6	17.4
2628	I	II-III	64	16.0	17.6	18.1	1O			1	6	17.3
2629	I	II-III	83	17.5	18.0	18.9	1O			2	6	17.3
2641	IR:	II:	80	16.8	17.7	18.5	2O			2	6	17.3
2655	RI		-10	16.1	17.3	17.1	1O			0	5	17.2
2660	I	II	20	14.9	15.4	16.1	1O			0	4	16.3
2663	R	I-II	63:	17.7	18.4	19.0	2O			1	6	17.4
2667	R	I-II	132	17.0	18.3	18.9:	2O			3	6	17.4
2679	R:	III	82	16.8	17.3	18.1	2O,1C			2	6	17.3
2680	R	III	185	16.8	17.8	18.5	1O,1C			3	6	17.3
2682	I	III	96?	15.4	16.0	17.1	1C,1O			2	5	17.1
2681	RI:	II:	51:	15.9	17.1	18.8	2O			1	6	17.4
2683	I:	II-III	37	15.4	16.7	18.1	1O			0	6	17.3
2685	R	I-II	44	15.5	17.0	18.2:	2O			0	5	17.2
2686	IR	III	61	14.3:	15.4	16.3	1C,2O		0.1124	1	4	16.4
2690	R	I	37	14.7	16.3	16.8	2O			0	5	16.9
2693	RI:	II-III	61	17.0:	17.8	18.4	2O			1	6	17.3

TABLE 7A

NOTES FOR TABLE 4

Abell	Field	Notes
2713	F292	1st HAS VERY FAINT CORONA. SCATTERED.
2714	F050	SOMEWHAT ELONGATED.
2715	F349	Core-halo structure.
2716	F472	1st IS SPINDLE, 3rd HAS FAINT CORONA. S0-RICH.
2717	F349	1st has corona. = RPO1.
2718	F348	Group superposed. Scattered.
2719	F472	1st HAS VERY FAINT CORONA.
2720	F538	SOMEWHAT ELONGATED AND SCATTERED.
2721	F349	1st has corona. = RPO2.
2722	F293	BRANCH-LIKE.
	F348	Edge of calibration cutout.
2723	F028	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
2724	F349	Group superposed.
	F409	1st IS SPINDLE. SINUOUS.
2725	F538	SCATTERED, BUT MORE CONCENTRATED IN Q:1 & Q:4.
	F538	Nearer cluster 7' nf.
2726	F409	1st HAS CORONA (cD) AND CLOSE COMPANIONS. SMALL, SOMEWHAT DENSE, AND CONCENTRATED.
2727	F002	1st IS LENTICULAR (FOREGROUND?); 2nd & 3rd IN COMPACT GROUP. CONCENTRATIONS IN Q:2 & Q:3.
2728	F111	Group superposed?
2729	F538	SCATTERED.
	F538	Two clusters superposed?
2731	F149	3rd is spiral. = RPO4.
2732	F078	1st HAS FAINT CORONA. FOREGROUND SPIRAL SUPERPOSED. WINDMILL-SHAPED CONCENTRATIONS.
2733	F349	1st and 3rd have coronae.
	F350	Plate edge. Magnitudes uncertain.
2734	F409	1st HAS CORONA (cD). MORPOLOGICALLY DIVERSE.
	F410	Plate edge.
2735	F050	1st HAS FAINT CORONA (S0?). SCATTERED.
2736	F293	1st & 2nd HAVE CORONAE. WING-LIKE CONCENTRATIONS.
	F294	BRIGHT ELLIPTICAL FOREGROUND GALAXY SUPERPOSED. SCATTERED.
2737	F078	1st IS PROBABLY FOREGROUND ELLIPTICAL. LOOSELY SCATTERED IN LARGE CLOUD.
2738	F193	Spiral superposed.
2739	F539	1st IS FACE-ON S0; 3rd HAS FAINT CORONA.
2740	F078	1st IS LENTICULAR (FOREGROUND?); 3rd HAS FAINT CORONA. SCATTERED.
2741	F349	Two clusters seen in projection?
	F350	Probably two clusters seen in projection.
	F409	1st HAS CORONA AND IS OFF CENTER. SCATTERED.
2742	F472	SCATTERED. 1st HAS FAINT CORONA. BRIGHT SPINDLE IN FIELD.
	F473	Galaxies from A14 superposed.
2744	F409	FAINT WITH ARM-LIKE CONCENTRATIONS. FAINT FOREGROUND STAR NEAR CENTER.
	F410	Two concentrations. = AC118 in Couch and Newell (1984).
2745	F241	Group superposed.
2746	F078	1st HAS FAINT CORONA. LOOSELY SCATTERED, AT THE EDGE OF A LARGE CLOUD.
2747	F409	1st IS PROBABLY FOREGROUND.
2748	F539	TWO CONCENTRATIONS.
2749	F349	Scattered.
2750	F293	TWO MAIN CONCENTRATIONS.
	F294	TWO CONCENTRATIONS. LOOSELY SCATTERED.
2751	F409	1st HAS VERY FAINT CORONA. NEAR CALIBRATION CUTOUT, COUNT MAY BE LOW.
	F410	Two concentrations.
2752	F241	1st has corona. 3rd is spiral.
2753	F193	Group superposed.
	F194	3rd is spiral.
2754	F150	SOMEWHAT CENTRALLY CONDENSED.
2755	F349	On edge of calibration cutout. Magnitudes uncertain.
2756	F539	1st HAS FAINT CORONA. MANY FAINT GALAXIES IN FIELD BELOW MAGNITUDE CUTOFF.
2757	F001	SLIGHTLY ELONGATED.
2758	F241	Plate edge; all data uncertain.
	F293	NEAR S-E PLATE EDGE, COUNT LOW.
	F294	3rd HAS FAINT CORONA AND SUPERPOSED SMALL, FAINT COMPANION. SOME EVIDENCE OF SUBCLUSTERING.
2759	F410	Scattered.
2760	F078	1st IS NEARLY FACE-ON SPIRAL. LOOSELY SCATTERED.
	F079	1st IS FACE-ON SPIRAL. SCATTERED.
2761	F078	SEVERAL BRIGHT ELLIPTICALS DOMINATE. PART OF CLOUD OF FAINT, SCATTERED GALAXIES.
	F079	IRREGULAR. IN LARGE CLOUD OF FAINT GALAXIES.
2762	F149	Group superposed. Two clusters seen in projection?
	F150	1st HAS VERY FAINT CORONA. CONDENSATIONS.
2763	F242	3rd HAS FAINT CORONA. NEAR Q:1-N CALIBRATION CUTOUT.
	F294	3rd HAS CORONA.
2764	F194	= RPO5.
2765	F539	LOOSELY SCATTERED.
2766	F350	Group superposed.
	F410	Scattered. Three concentrations.
2767	F294	1st HAS VERY FAINT CORONA AND FAINT COMPANION.
2768	F539	APPEARS SOMEWHAT SPIRAL-RICH. MANY FAINT GALAXIES BELOW MAGNITUDE CUTOFF.
2769	F294	1st HAS EXTENDED CORONA. SOME FOREGROUND CONTAMINATION.
2770	F078	1st IS LATE ELLIPTICAL (S0?). LOOSELY SCATTERED IN A LARGE CLOUD.
	F079	1st IS ELONGATED (S0?). SCATTERED.
2771	F294	1st IS FOREGROUND SPIRAL; 3rd HAS CORONA. SOME EVIDENCE OF SUB-CLUSTERING TO SE & SW.
2772	F294	1st HAS FAINT CORONA. APPEARS SPIRAL-RICH.
2773	F242	3rd HAS FAINT CORONA. SCATTERED.
2774	F078	1st IS SPIRAL. BRIGHTEST ARE ELLIPTICALS. PART OF A GREAT WANDERING CLOUD OF GALAXIES.
	F079	1st IS SPINDLE(?). BRIGHTEST ARE ELLIPTICALS. PART OF LARGE CLOUD.
2775	F050	1st HAS VERY FAINT CORONA; 3rd IS SPINDLE. PART OF A LARGE CLOUD OF FAINT GALAXIES.
	F051	1st HAS EXTREMELY FAINT CORONA; 3rd IS SPINDLE. IN FAINT CLOUD OF GALAXIES.
2776	F194	1st has corona.
2777	F194	1st has corona.
2778	F410	Three concentrations.
2779	F150	1st HAS CORONA (cD) WITH FAINT STAR SUPERPOSED S.
2780	F410	Two concentrations.
2781	F539	LOOSELY SCATTERED.

TABLE 7A—*Continued*

Abell	Field	Notes
2782	F150	EXTREMELY ELONGATED WITH BRIGHTEST MEMBERS NEARLY LINEARLY CONCENTRATED.
2783	F350	3rd is spiral. Sc superposed.
2784	F410	Scattered.
2785	F079	1st & 3rd ARE CLOSE PAIR WITH CORONAE; 2nd IS LENTICULAR. SCATTERED.
2786	F294	SOMEWHAT CENTRALLY CONDENSED.
2787	F150	1st HAS FAINT CORONA.
2788	F410	Group superposed.
2789	F050	1st HAS CORONA (cD). SOMEWHAT CENTRALLY CONDENSED.
	F051	1st IS ELONGATED WITH CORONA. LINEARLY CONDENSED, SOMEWHAT ELONGATED.
2790	F194	1st has corona.
2791	F474	Group nf.
2793	F002	1st & 2nd HAVE VERY FAINT CORONAE AND ARE OFF-CENTER.
	F013	1st HAS VERY FAINT CORONA. SCATTERED. NEAR Q:4-S PLATE EDGE, COUNT LOW.
2794	F410	2 - 3 groups superposed?
2795	F150	SCATTERED.
2796	F079	1st & 3rd HAVE FAINT CORONAE; 2nd IS SPIRAL. SLIGHTLY CENTRALLY CONDENSED.
2797	F079	1st HAS FAINT CORONA AND IS OFF-CENTER. CONCENTRATIONS IN Q:1 & Q:4.
	F112	Group superposed?
2798	F411	BRIGHTEST HAVE FAINT CORONAE. SEVERAL BRIGHT SUPERPOSITIONS. BRIGHTEST ARE LINEARLY CONDENSED.
2799	F294	1st HAS CORONA AND BRIGHT, NEARBY COMPANIONS. MORPHOLOGICALLY DIVERSE.
2801	F411	1st HAS FAINT ELONGATED CORONA. SCATTERED. hgc has this cluster combined with A2804; his data rejected.
2802	F350	Near plate edge.
2804	F411	1st HAS FAINT CORONA. SCATTERED WITH SUPERPOSED CLUSTER IN Q:4. See Note for A2801.
2805	F150	1st PROBABLY FOREGROUND. 3rd HAS FAINT CORONA.
2806	F150	1st, 2nd, & 3rd HAVE FAINT CORONAE.
2807	F351	1st IS PERIPHERAL ELLIPTICAL; 3rd IS SPINDLE. SOMEWHAT SCATTERED.
2809	F242	SCATTERED. SPARSE BACKGROUND.
2811	F411	1st HAS CORONA (cD?). SYMMETRICAL AND CENTRALLY CONDENSED.
2812	F295	1st HAS FAINT CORONA.
2814	F411	MORPHOLOGICALLY DIVERSE AND LOOSELY SCATTERED.
2815	F540	1st in foreground? Group superposed.
2817	F150	1st HAS FAINT CORONA. LOOSELY SCATTERED.
2818	F195	1st HAS FAINT CORONA. THIS MAY BE A SUBGROUP OF A NEARBY (SUPERPOSED?) CLUSTER.
2819	F079	1st & 3rd HAVE FAINT CORONAE. SEVERAL CONCENTRATIONS.
2820	F150	SCATTERED, BUT WITH SOME SLIGHT CONCENTRATIONS.
2821	F079	1st IS ELONGATED WITH FAINT CORONA. SCATTERED.
2822	F295	1st HAS CORONA. SEVERAL CONCENTRATIONS.
2823	F295	SOME COMTAMINATION WITH BRIGHTER FOREGOUND GALAXIES. MAJOR CONCENTRATION TO E-NE.
2824	F540	3rd is spiral.
2825	F243	Group superposed?
2826	F079	SCATTERED IN TENDRILS.
2827	F195	SOMEWHAT CENTRALLY CONDENSED.
2828	F295	3rd HAS FAINT CORONA. SCATTERED. RICH BACKGROUND.
2829	F411	1st IS NEARLY EDGE-ON SPIRAL; 2nd & 3rd HAVE FAINT CORONAE. SOMEWHAT V-SHAPED.
2830	F194	Group superposed f. Plate edge. 1st has corona.
	F195	1st & 4th HAVE FAINT CORONAE. BRIGHTEST ARE POSSIBLY FOREGROUND CONTAMINATION. Brightest are foreground; rpo data rejected.
2831	F150	SCATTERED. 1st MAY HAVE FAINT CORONA.
2832	F474	1st has corona.
2833	F150	LOOSELY SCATTERED.
2834	F195	SCATTERED.
2835	F195	SEVERAL FOREGROUND GALAXIES. SCATTERED.
2836	F195	1st (=I1594) IS SPIRAL (FOREGROUND?). SEVERAL SUPERPOSITIONS AND INTERACTING GALAXIES IN FIELD.
2837	F013	1st HAS FAINT CORONA. SOMEWHAT MORPHOLOGICALLY DIVERSE.
2838	F295	1st APPEARS TO BE SUPERPOSITION. SCATTERED.
2839	F195	1st PROBABLY FOREGROUND. SOMEWHAT CENTRALLY CONDENSED.
2840	F295	1st HAS FAINT CORONA. CENTERED ON 3rd.
2841	F195	1st HAS CORONA (cD).
2843	F474	Group superposed.
2844	F411	SOMEWHAT ELONGATED AND SCATTERED.
2845	F295	BROAD SERPENTINE APPEARANCE.
2846	F411	SEVERAL BRIGHT FOREGROUND (?) GALAXIES IGNORED. CONCENTRATIONS IN Q:1 & Q:4; OTHERWISE SCATTERED.
	F412	3rd HAS CORONA. QUITE SCATTERED.
2847	F351	1st HAS FAINT CORONA; 3rd IS SPINDLE. SCATTERED.
2848	F295	3rd HAS FAINT CORONA. SUPERPOSITION OF TWO GROUPS?
2849	F541	SCATTERED.
2850	F411	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
2851	F412	1st IS DISTORTED SPIRAL WITH DUST LANES.
2852	F295	3rd HAS FAINT CORONA.
2853	F295	2nd HAS FAINT CORONA. IRREGULAR.
2854	F195	1st & 2nd APPEAR TO HAVE LUMINOUS BRIDGE. SEVERAL SUBCLUSTERS AND CONCENTRATIONS, POSSIBLY SUPERPOSITION OF CLUSTERS.
2855	F243	Group superposed.
2856	F295	IRREGULAR APPEARANCE WITH SEVERAL FOREGROUND GALAXIES SUPERPOSED.
2857	F295	1st HAS FAINT CORONA.
2859	F051	1st HAS FAINT CORONA. SOMEWHAT LINEARLY CONDENSED.
	F079	1st HAS VERY FAINT CORONA. BRIGHTEST ARE ELLIPTICALS. SCATTERED, BUT SOMEWHAT LINEARLY CONDENSED.
	F080	1st HAS VERY FAINT CORONA. SCATTERED. NEAR Q:4-S PLATE EDGE, COUNT LOW?
2860	F295	1st HAS CORONA. TWO CONCENTRATIONS (GROUPS SUPERPOSED?).
2861	F195	MANY FAINT GROUPS NEARBY.
2862	F541	3rd HAS FAINT CORONA.
2863	F195	1st IS LENTICULAR. FOREGROUND SBa SUPERPOSED. LOOSELY SCATTERED.
2864	F051	SCATTERED.
	F079	1st HAS FAINT CORONA. SEVERAL SPIRALS AND LENTICULARS AMONG BRIGHTEST.
	F080	1st HAS VERY FAINT CORONA. SEVERAL SPIRALS AMONG BRIGHTEST.
2866	F541	1st HAS FAINT CORONA (S0 or E3+).
2867	F352	1st has corona.
2868	F151	Group superposed nf.
2869	F243	Group superposed.
2870	F195	1st HAS CORONA (cD). SPIRAL-RICH. NEAR Q2:N PLATE EDGE & PARTIALLY

TABLE 7A—*Continued*

Abell	Field	Notes
		OBSCURED BY BETA PHE.
2871	F295	1st HAS FAINT CORONA. NEAR ID-CUTOUT, COUNT LOW.
	F352	1st has corona.
2872	F243	Group superposed.
2873	F243	1st and 3rd are spiral.
2874	F296	1st HAS CORONA.
2875	F079	SCATTERED.
2876	F113	SCATTERED.
2877	F243	1st has corona.
	F244	1st has corona.
2878	F412	2nd HAS FAINT CORONA.
2879	F352	Group superposed.
2880	F195	1st HAS FAINT CORONA. SCATTERED.
2881	F541	LOOSELY SCATTERED. SEVERAL S0'S INCLUDED.
2882	F113	SLIGHTLY CENTRALLY CONDENSED, BUT OTHERWISE SCATTERED.
2883	F352	Group superposed. 1st has corona.
2884	F352	Group superposed.
2885	F296	1st & 2nd ARE CLOSE PAIR. EACH HAS FAINT CORONA.
2886	F195	TWO CONCENTRATIONS.
2888	F113	LOOSELY SCATTERED.
2889	F195	1st IS S0 (FOREGROUND?); 3rd HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
2890	F541	TWO CONCENTRATIONS (2 CLUSTERS SUPERPOSED?).
2891	F296	LOOSELY SCATTERED. SUBGROUP OF NEARBY CLUSTER TO SE?
	F352	Plate edge.
2892	F352	Nearer cluster superposed f.
2893	F195	SOMEWHAT ELONGATED WITH CONCENTRATIONS: DUMBBELL-SHAPED.
	F196	Two clusters seen in projection? Spiral superposed.
2894	F475	SCATTERED.
2895	F412	1st IS SPIRAL; 3rd HAS CORONA. CONCENTRATION S-E OF CENTER.
	F475	1st IS SPIRAL. 3rd HAS CORONA. SEVERAL BRIGHT SPIRALS IN FIELD.
	F476	1st IS SPIRAL, 3rd HAS FAINT CORONA.
2896	F296	1st IS ELONGATED WITH CORONA. MAJOR SUBCLUSTERING TO W-NW.
2897	F113	1st IS DISTORTED (DWARF?) SPIRAL (FOREGROUND?). LOOSELY SCATTERED.
2898	F352	1st and 3rd are spirals.
2899	F080	CENTRALLY CONDENSED. 1st IS SPINDLE.
2900	F195	1st IS S0. SEVERAL CONCENTRATIONS and superposition with AS152 8' south.
2901	F244	Group superposed.
2904	F412	1st HAS FAINT CORONA. SCATTERED, BUT WITH TWO CONCENTRATIONS.
	F413	3rd IS SPINDLE.
2905	F244	Group superposed.
2906	F412	3rd HAS FAINT CORONA.
	F476	3rd HAS BRIGHT DIFFUSE ENVELOPE (CORONA).
2907	F476	SCATTERED.
2909	F296	BRIGHT FOREGROUND SPIRAL SUPERPOSED.
	F352	Spiral superposed.
2910	F352	Group superposed. Scattered.
2911	F296	1st HAS FAINT CORONA.
2913	F352	3rd is spiral.
2915	F413	MORPHOLOGICALLY DIVERSE WITH SEVERAL CONCENTRATIONS. SOME FOREGROUND CONTAMINATION.
2916	F244	Group superposed.
2917	F152	1st has corona.
2918	F196	Group superposed.
2919	F413	SCATTERED WITH SEVERAL SMALL CONCENTRATIONS.
2920	F353	1st HAS FAINT CORONA. DUMBBELL-SHAPED.
2921	F476	1st HAS CORONA.
2922	F413	1st IS SPINDLE, POSSIBLY FOREGROUND. TWO MAJOR CONCENTRATIONS. SUPERPOSITION?
2923	F413	1st HAS CORONA. MORPHOLOGICALLY DIVERSE.
2924	F413	SCATTERED AND SINUOUS.
2925	F244	1st has corona.
2926	F413	1st HAS CORONA, 3rd IS LENTICULAR.
2927	F413	2nd & 3rd ARE SPINDLES. SEVERAL CONCENTRATIONS.
	F476	3rd IS EDGE-ON SPIRAL. 1st PROBABLY FOREGROUND.
2928	F413	3rd HAS FAINT CORONA. SOME SUPERPOSITION WITH NEARBY CLUSTERS.
2929	F413	1st IS PROBABLY FOREGROUND SPINDLE. IRREGULAR.
2930	F353	1st HAS VERY FAINT CORONA.
2931	F413	PINWHEEL SHAPE.
2932	F413	1st HAS FAINT CORONA. CLUSTER LOOKS LIKE A PINWHEEL.
2934	F353	SPIRAL-SHAPED CLUSTER.
	F413	LOOSELY SCATTERED.
2935	F477	1st & 3rd HAVE CORONAE. SCATTERED.
2936	F297	Group superposed.
2937	F244	Near calibration cutout.
	F245	SOMEWHAT ELONGATED.
2938	F477	1st & 3rd HAVE FAINT CORONAE; 2nd IS SPIRAL. SCATTERED.
2939	F543	SOMEWHAT DUMBBELL-SHAPED WITH FAINT CORE AND TWO (NE-SW) CONCENTRATIONS.
2940	F477	1st IS LENTICULAR. SCATTERED. NORTH OF SAO 167275.
2942	F543	1st HAS VERY FAINT CORONA AND IS SUPERPOSED ON 2nd. MORPHOLOGICALLY DIVERSE AND SCATTERED.
2943	F353	1st HAS FAINT CORONA.
	F354	Compact.
	F413	1st & 3rd HAVE FAINT CORONAE. CENTRALLY CONDENSED.
	F414	3rd HAS FAINT CORONA. RATHER SYMMETRIC AND CENTRALLY CONDENSED.
2945	F414	LOOSELY SCATTERED BACKGROUND OF FAINT GALAXIES.
2946	F477	1st IS LENTICULAR WITH FAINT ENVELOPE. SCATTERED.
2947	F477	1st PROBABLY FOREGROUND.
2948	F353	SOMEWHAT SERPENTINE.
	F354	3 - 4 concentrations.
2950	F477	1st IS DIFFUSE OVAL, 3rd HAS FAINT CORONA. MANY LENTICULARS.
2951	F114	SCATTERED. GROUPS AT EDGE.
2952	F354	Group superposed.
2953	F013	1st HAS FAINT CORONA (FOREGROUND?). SOMEWHAT CENTRALLY CONDENSED.
2954	F052	SCATTERED.
2955	F544	SLIGHT CONCENTRATION. NEAR Q:1-NW CALIBRATION CUTOUT, COUNT LOW.
2957	F013	1st HAS FAINT CORONA.
	F014	1st HAS CORONA.
2958	F543	ELONGATED.
	F544	SCATTERED.
2959	F197	SCATTERED. 1st IS (FOREGROUND) S0.
2960	F298	1st IS PROBABLY FOREGROUND. CENTERED ON 2nd. SCATTERED.
2961	F414	1st HAS FAINT CORONA. SOMEWHAT SYMMETRICAL.
2963	F354	Extended n-s.

TABLE 7A—*Continued*

Abell	Field	Notes
2965	F298	NEARER GROUP OR POOR CLUSTER SUPERPOSED.
2966	F544	1st MAY BE FOREGROUND; 3rd HAS FAINT CORONA. APPEARS SOMEWHAT SPIRAL-RICH.
2967	F414	SCATTERED WITH SLIGHT CONCENTRATION AT EDGE.
2968	F414	LOOSELY SCATTERED WITH SLIGHT CONCENTRATIONS IN Q:2 & Q:3.
2969	F298	1st HAS CORONA. HIGHLY CENTRALLY CONDENSED AND REGULAR.
2970	F354	Scattered. Group superposed?
2971	F414	SCATTERED AND MORPHOLOGICALLY DIVERSE; SOMEWHAT SPIRAL-RICH. MANY FAINT GALAXIES IN FIELD.
2972	F414	1st HAS FAINT, ELONGATED CORONA (cD?). SCATTERED.
2973	F478	1st IS SPINDLE. THREE CONCENTRATIONS.
2974	F414	3rd HAS FAINT CORONA. SOMEWHAT SCATTERED WITH MANY FAINT GALAXIES.
2975	F414	LOOSELY SCATTERED; IN A LARGE CLOUD OF FAINT GALAXIES.
2976	F478	1st HAS VERY FAINT CORONA.
2977	F478	SCATTERED.
2978	F414	1st HAS FAINT CORONA. SCATTERED.
	F415	1st HAS FAINT CORONA. SCATTERED.
2979	F478	SCATTERED AND MORPHOLOGICALLY DIVERSE.
2980	F245	ELONGATED WITH TWO CONCENTRATIONS.
	F246	ELONGATED WITH TWO MAJOR CONCENTRATIONS.
2981	F414	3rd HAS FAINT CORONA. SCATTERED.
	F415	ELONGATED WITH THREE CONCENTRATIONS.
	F478	SCATTERED.
2982	F298	1st IS NEARLY EDGE-ON. SOMEWHAT CENTRALLY CONDENSED.
2983	F354	Scattered.
2984	F298	1st HAS CORONA (cD). HIGHLY CENTRALLY CONDENSED.
2985	F544	TWO CONCENTRATIONS. ELONGATED AND SOMEWHAT J-SHAPED.
2986	F415	SCATTERED.
2987	F153	SCATTERED AND IRREGULAR.
2988	F197	1st HAS FAINT CORONA.
	F198	1st HAS FAINT CORONA. NEAR Q:1-W PLATE EDGE, COUNT LOW.
	F246	1st HAS CORONA (cD). QUITE SYMMETRIC AND CENTRALLY CONDENSED.
2989	F415	SOMEWHAT ELONGATED.
2990	F415	1st HAS ELONGATED CORONA AND IS SUPERPOSITION. SOME SLIGHT CENTRAL CONDENSATION.
2991	F478	SCATTERED MOTLEY CLUSTER. 1st IS EDGE-ON LENTICULAR. 3rd IS SUPERPOSITION. MORPHOLOGICALLY DIVERSE.
2992	F478	1st HAS CORONA.
2993	F354	Scattered.
	F355	3rd has corona.
2994	F544	1st MAY BE FOREGROUND.
2995	F478	1st HAS CORONA. SERPENTINE. SEVERAL BRIGHT FOREGROUND GALAXIES.
2996	F197	MORPHOLOGICALLY DIVERSE & LOOSELY SCATTERED.
	F198	LOOSELY SCATTERED & MORPHOLOGICALLY DIVERSE.
2997	F153	SCATTERED.
2998	F197	1st HAS FAINT CORONA.
	F198	1st HAS VERY FAINT CORONA AND FAINT COMPANION.
2999	F415	3rd HAS FAINT CORONA. CENTRALLY CONDENSED.
3000	F545	SCATTERED.
3001	F544	1st MAY BE FOREGROUND. LOOSELY SCATTERED.
3002	F197	ELONGATED. 1st & 2nd PROBABLY FOREGROUND.
	F198	1st & 2nd PROBABLY FOREGROUND OBJECTS.
3003	F415	SCATTERED. 1st MAY BE FOREGROUND.
3004	F198	1st HAS FAINT CORONA (cD). MORPHOLOGICALLY DIVERSE.
3005	F544	3rd HAS FAINT CORONA. TWO CONCENTRATIONS.
	F545	ARC-SHAPED WITH TWO CONCENTRATIONS.
3006	F298	LOOSELY SCATTERED. MAY BE SUPERPOSITION OF SEVERAL GROUPS.
3007	F478	IRREGULAR. 1st HAS FAINT CORONA. SEVERAL BRIGHT FOREGROUND GALAXIES IN FIELD.
3008	F298	SOMEWHAT ELONGATED. COUNT MAY BE CONTAMINATED BY CLUSTER TO N-W.
3009	F198	1st HAS CORONA (cD) AND FAINT COMPANION. MORPHOLOGICALLY DIVERSE.
3010	F081	1st HAS FAINT CORONA. BRIGHT FOREGROUND LENTICULAR IGNORED. PART OF LARGE DISTANT CLOUD.
3011	F545	CENTERED ON 3rd. NEAR Q1:N CALIBRATION CUTOUT; COUNT LOW?
3012	F415	1st IS S0. SOMEWHAT CENTRALLY CONDENSED; SLIGHT CONCENTRATION TOWARD EDGES AS WELL.
3013	F299	1st HAS CORONA. SCATTERED.
3014	F246	SCATTERED. PART OF A LARGE CLOUD OF FAINT GALAXIES.
	F298	MORPHOLOGICALLY DIVERSE AND SCATTERED.
3015	F198	1st HAS FAINT CORONA; 2nd IS (FOREGROUND) FACE-ON S0. CENTRALLY CONDENSED.
3016	F246	BRIGHT FOREGROUND GALAXIES IGNORED. PART OF A LARGE CLOUD OF FAINT GALAXIES.
3017	F246	PART OF A LARGE CLOUD OF FAINT GALAXIES. BRIGHT FOREGROUND GALAXIES IGNORED.
	F299	1st HAS CORONA (cD). VERY RICH WITH GALAXIES FAINTER THAN COUNTING LIMIT.
3018	F081	SOMEWHAT CENTRALLY CONDENSED AND LENTICULAR-RICH. PART OF LARGE CLOUD(?).
3019	F154	1st is spiral. Two clusters seen in projection?
3020	F198	1st HAS VERY FAINT CORONA.
3021	F053	1st & 2nd HAVE VERY FAINT CORONAE. SCATTERED.
3022	F479	Group superposed nf. 3rd is spiral.
3023	F415	ELONGATED.
3024	F299	SEVERAL RELATIVELY BRIGHT SPIRALS IN CORE. SOMEWHAT ELONGATED.
3025	F415	SCATTERED.
3027	F355	1st and 3rd have coronae.
3028	F415	CLUSTER MEANDERS A BIT.
	F416	1st HAS FAINT CORONA.
	F479	1st has corona.
3029	F299	2nd IS SPIRAL (SBb); 3rd HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE AND SOMEWHAT ELOGATED.
3030	F198	1st HAS FAINT CORONA. MANY FAINT GALAXIES AND GROUPS IN SURROUNDING REGION.
3031	F154	Scattered.
3032	F545	SCATTERED.
3033	F246	SCATTERED, MOSTLY SPIRALS. NEAR ID CUTOUT; COUNT LOW?
3034	F416	1st HAS FAINT CORONA.
3035	F081	SCATTERED.
	F082	LOOSELY SCATTERED.
3036	F246	ELONGATED. RELATED TO NEARBY FAINT GROUPS?
	F247	SOMEWHAT CENTRALLLY CONDENSED. NO DOMINANT GALAXY.
3037	F003	1st & 2nd HAVE FAINT CORONAE. SCATTERED.
	F004	3rd HAS VERY FAINT CORONA. SCATTERED.
3038	F154	Group superposed.
	F198	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.

TABLE 7A—*Continued*

Abell	Field	Notes
3039	F356	1st has corona.
3041	F416	1st & 3rd HAVE FAINT CORONAE. 2nd IS SPINDLE.
3042	F416	SOMEWHAT SCATTERED AND MORPHOLOGICALLY DIVERSE.
3043	F416	1st HAS FAINT CORONA.
3044	F416	DIVERSE AND SCATTERED.
3045	F198	1st IS FACE-ON SPIRAL, 2nd HAS FAINT CORONA.
	F199	1st IS FACE-ON SPIRAL; 2nd HAS FAINT CORONA.
3046	F356	10th is spiral.
3047	F247	1st HAS CORONA (cD). CENTRALLY CONDENSED.
3048	F546	Scattered. Group superposed. Several clusters superposed?
3049	F154	Scattered. Group superposed. 1st and 3rd in foreground?
3051	F115	2nd HAS VERY FAINT CORONA. SCATTERED.
3052	F416	2nd APPEARS TO BE SUPERPOSITION. TWO CONCENTRATIONS.
3054	F416	3rd HAS CORONA. SEVERAL CLOSE OR INTERACTING PAIRS.
3055	F199	1st HAS CORONA.
3056	F416	3rd HAS CORONA. IN DIFFRACTION RING OF SAO 168082; COUNT LOW.
3057	F198	SCATTERED.
	F199	LOOSELY SCATTERED.
3058	F154	Group superposed.
3059	F247	1st HAS VERY FAINT CORONA. MORPHOLOGICALLY DIVERSE, AND LOOSELY SCATTERED.
3060	F199	LOOSELY SCATTERED.
3061	F082	SCATTERED.
3062	F480	SCATTERED WITH TWO CONCENTRATIONS.
3063	F356	3rd is spiral.
3064	F356	Group superposed p.
3065	F154	Nearer cluster superposed. 1st in foreground?
3066	F014	SOMEWHAT ELONGATED.
3067	F154	Group superposed.
3068	F247	3rd APPEARS TO HAVE FAINT CORONA. A FEW BRIGHT FOREGROUND GALAXIES IN FIELD.
3069	F480	1st HAS VERY FAINT CORONA.
3070	F480	1st HAS CORONA (cD).
3071	F199	SOMEWHAT ELONGATED IN A SWATH OF FAINT GALAXIES.
3072	F247	3rd HAS VERY FAINT CORONA. LOOSELY SCATTERED, BUT SOMEWHAT LINEARLY CONCENTRATED.
3073	F547	SCATTERED. NEAR PLATE EDGE, COUNT SOMEWHAT LOW(?).
	F547	Plate edge.
3074	F154	1st has corona. 3rd is spiral. = RPO9.
	F199	1st HAS CORONA (cD); 2nd IS SPIRAL. NEAR Q4:S PLATE EDGE, COUNT SOMEWHAT LOW.
3075	F480	SCATTERED. MANY GALAXIES AT PLATE LIMIT.
3076	F247	1st HAS FAINT CORONA. LOOSELY SCATTERED.
3077	F199	2nd IS SPINDLE. SOMEWHAT ELONGATED WITH CONCENTRATIONS.
3078	F199	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE.
3079	F247	1st APPEARS TO HAVE CORONA AND COMPANION. SCATTERED.
	F248	SCATTERED.
3080	F082	1st & 3rd HAVE FAINT CORONAE; 2nd IS SPINDLE. SOMEWHAT CENTRALLY CONDENSED.
3081	F300	1st HAS FAINT CORONA.
3082	F417	3rd HAS FAINT CORONA. TWO CONCENTRATIONS.
3083	F480	SCATTERED.
3084	F300	1st HAS FAINT CORONA.
	F356	Group superposed. 1st has corona.
	F357	AS316 superposed. 1st has corona.
3085	F199	DUMBBELL-LIKE CONCENTRATIONS. 1st (SPINDLE) IS PROBABLY FOREGROUND.
3086	F480	SCATTERED WITH TWO CONCENTRATIONS.
3087	F417	3rd HAS FAINT CORONA.
3088	F417	1st & 3rd ARE SPINDLES.
3089	F300	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE. NEAR N PLATE EDGE, COUNT LOW.
	F357	1st is spiral.
3090	F199	SCATTERED.
3091	F417	1st IS DISTURBED SPIRAL, PROBABLY FOREGROUND. SPARSELY POPULATED CORE.
3092	F082	1st IS SPINDLE. SCATTERED, BUT SOMEWHAT ELONGATED.
3093	F199	1st HAS CORONA (cD); 2nd IS SPIRAL. MORPHOLOGICALLY DIVERSE. SUBCLUSTERING OR SUPERPOSITION IN NW.
3094	F417	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
	F481	1st IS cD. TWO CLUSTERS SUPERPOSED? SECOND (S-SE) IS SPIRAL-RICH.
	F480	1st and 3rd HAVE CORONAE. MORPHOLOGICALLY DIVERSE. NEAR E-SE PLATE EDGE, COUNT LOW.
3095	F481	1st HAS FAINT CORONA, 3rd IS S(r). SPIRAL-RICH. SUPERPOSED(?) WITH ANOTHER N-E.
3096	F248	LOOSELY SCATTERED, SOMEWHAT MORPHOLOGICALLY DIVERSE. NW OF SAO 216209, SOME OBSCURATION BY DIFFRACTION RING.
3097	F082	LOOSELY SCATTERED.
3098	F300	1st & 2nd IN COMMON ENVELOPE. 3rd HAS FAINT CORONA.
3099	F116	1st HAS VERY FAINT CORONA; 2nd IS LENTICULAR.
3100	F199	1st HAS FAINT CORONA. SOME SUBCLUSTERING OR SUPERPOSITION IN NE QUADRANT. MORPHOLOGICALLY DIVERSE.
3101	F357	Near cluster superposed s.
3102	F248	1st HAS FAINT CORONA.
3103	F054	1st IS SUPERPOSITION (E+E) (FOREGROUND?). SCATTERED.
3104	F248	1st HAS CORONA (cD).
3105	F248	3rd IS S0 WITH STELLAR NUCLEUS AND DIFFUSE IRREGULAR ENVELOPE.
3106	F116	1st HAS EXTENDED CORONA (cD?).
3107	F248	1st HAS FAINT CORONA. TWO CONCENTRATIONS; RATHER SERPENTINE.
	F300	SUBCLUSTERED. UNUSUAL FILAMENTS OF GALAXIES. NEAR Q:4-S PLATE EDGE, COUNT LOW.
	F301	SOME SUBCLUSTERING AND FILAMENTARY STRUCTURE. NEAR S PLATE EDGE, COUNT SOMEWHAT LOW.
3108	F200	MORPHOLOGICALLY DIVERSE AND SPIRAL-RICH.
3109	F248	1st HAS CORONA (cD). SOME SUPERPOSITION WITH CLUSTER TO SW, COUNT CONTAMINATED.
3110	F199	1st IS ELONGATED WITH CORONA; 2nd HAS CORONA. MORPHOLOGICALLY DIVERSE.
	F200	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
3111	F248	1st, 2nd, & 3rd HAVE FAINT CORONAE.
3112	F248	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE WITH SOME SUBCLUSTERING OR SUPERPOSITION.
3113	F199	1st HAS FAINT, EXTENDED CORONA (cD?). SOMEWHAT CENTRALLY CONDENSED.
	F200	1st HAS ELONGATED CORONA. SOMEWHAT CENTRALLY CONDENSED.
3114	F301	1st HAS FAINT CORONA.
3115	F547	SOMEWHAT ELLIPTICAL IN APPEARANCE.
	F548	SOMEWHAT ELONGATED. NEAR Q:4-W PLATE EDGE.

TABLE 7A—*Continued*

Abell	Field	Notes
3116	F248	1st HAS FAINT CORONA. SOMEWHAT MORPHOLOGICALLY DIVERSE.
3117	F031	1st HAS FAINT CORONA; 2nd & 3rd ARE CLOSE PAIR (E+E). SCATTERED.
	F054	3rd IS IN CLOSE PAIR. SCATTERED.
3118	F357	Group superposed.
3119	F054	1st HAS VERY FAINT CORONA; 2nd IS SPIRAL. SCATTERED WITH STRONG CONCENTRATION AT EASTERN EDGE.
3120	F200	1st HAS EXTENDED CORONA (cD). CENTRALLY CONDENSED.
3121	F054	1st IS LENTICULAR; 3rd HAS FAINT CORONA. SCATTERED.
3122	F301	1st & 2nd HAVE FAINT CORONAE. HIGHLY CENTRALLY CONDENSED.
3123	F200	1st HAS RING-LIKE CORONA. SOME SUBCLUSTERING OR SUPERPOSITION.
3124	F248	DUMBBELL-SHAPED; MAY BE SUPERPOSITION OF TWO FAINT GROUPS.
3125	F155	1st and 3rd are spirals.
3127	F548	1st PROBABLY FOREGROUND SPIRAL(?). SOMEWHAT COMPACT.
3128	F155	3rd has corona with star superposed.
	F200	1st, 2nd, & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE. CENTRALLY CONDENSED.
3130	F200	LOOSELY SCATTERED.
3131	F200	1st IS PROBABLY FOREGROUND. SOMEWHAT ELONGATED.
3132	F248	RATHER LINEAR DISTRIBUTION OF GALAXIES.
	F249	LOOSELY SCATTERED, BUT SOMEWHAT LINEARLY CONCENTRATED.
3133	F249	LOOSELY SCATTERED.
3134	F301	LOOSELY SCATTERED.
3135	F301	BRIGHT QUADRUPLET OF ELLIPTICALS AT CENTER. SEVERAL CONCENTRATIONS AND SOME SUPERPOSITION.
3136	F031	2nd IS LENTICULAR. MODERATELY CENTRALLY CONDENSED.
	F054	1st & 3rd HAVE VERY FAINT CORONAE; 2nd IS SPINDLE. CENTRALLY CONDENSED & ELLIPTICAL-RICH.
3137	F548	ELONGATED.
3138	F358	1st HAS FAINT CORONA. SCATTERED.
3139	F482	Companion cluster 13' n. Group superposed. 1st in foreground?
3140	F301	VERY CENTRALLY CONDENSED. 3rd HAS VERY FAINT CORONA.
3142	F301	1st & 2nd HAVE CORONAE. SEVERAL RICH GROUPS NEAR.
3143	F054	1st HAS FAINT CORONA. SOMEWHAT ELONGATED.
3144	F156	1st HAS FAINT CORONA (cD?). SCATTERED AND OVERLAPPING WITH SEVERAL GROUPS AND/OR CLUSTERS.
3145	F301	MORPHOLOGICALLY DIVERSE AND LOOSELY SCATTERED. MAY BE PART OF LARGE DIFFUSE CLOUD.
3146	F358	SCATTERED. FOREGROUND LENTICULAR SUPERPOSED.
3147	F083	1st HAS CORONA; 3rd IS SPINDLE.
3148	F358	1st HAS FAINT CORONA. SEVERAL CONCENTRATIONS.
3149	F054	SCATTERED WITH CONCENTRATION AT WEST EDGE.
3150	F358	1st HAS FAINT CORONA. CENTRALLY CONDENSED.
3151	F418	1st is spiral.
3152	F358	1st & 2nd HAVE CORONAE. SCATTERED WITH SEVERAL CONCENTRATIONS.
3153	F358	SCATTERED.
3154	F358	WIDELY SCATTERED.
3155	F054	1st HAS VERY FAINT CORONA. SCATTERED.
3157	F419	= AC121 in Couch and Newell (1984).
3158	F156	1st, 2nd,& 3rd HAVE CORONAE. BRIGHTER MEMBERS DOMINATED BY ELLIPTICALS AND SPINDLES.
3159	F358	SCATTERED.
3161	F358	SCATTERED WITH SEVERAL CONCENTRATIONS.
3163	F200	1st PROBABLY FOREGROUND. SOMEWHAT CENTRALLY CONDENSED.
	F201	1st PROBABLY FOREGROUND. CENTRALLY CONDENSED.
3164	F117	1st HAS FAINT CORONA (cD?). CONCENTRATIONS TO N. NEAR Q:1-N PLATE EDGE, COUNT SOMEWHAT LOW.
	F156	1st HAS CORONA. CONCENTRATION TO N; POSSIBLY SUPERPOSED ON ANOTHER?
3166	F358	1st HAS CORONA. SEVERAL CONCENTRATIONS.
3168	F482	A463 nf just off this plate. Plate edge. Group superposed.
3169	F358	SEVERAL CONCENTRATIONS.
3170	F156	DUMBBELL-SHAPED.
3171	F358	1st HAS FAINT CORONA. CENTRALLY CONDENSED.
3173	F358	SCATTERED WITH SEVERAL CONCENTRATIONS.
3174	F549	SCATTERED.
3175	F549	1st HAS CORONA (cD). MANY FAINT GALAXIES IN FIELD BELOW MAGNITUDE CUTOFF.
3177	F483	1st is peculiar.
3178	F549	1st HAS ELONGATED ENVELOPE (S0?). SCATTERED WITH MANY VERY FAINT MEMBERS.
3179	F201	DUMBBELL-SHAPED (TWO CLOSE, FAINT GROUPS?).
3180	F302	1st is spiral.
3184	F302	1st has corona. 3rd is spiral.
	F359	1st has corona.
3185	F549	2nd IS S0(?) WITH ENVELOPE.
3186	F031	1st HAS FAINT CORONA. TWO CONCENTRATIONS ABOUT BRIGHTEST MEMBERS.
	F032	1st & 2nd HAVE FAINT CORONAE. TWO CONCENTRATIONS.
3189	F302	Group superposed.
3190	F549	1st HAS FAINT CORONA.
3191	F083	1st IS EDGE-ON SPIRAL (FOREGROUND?); BRIGHTEST ARE MORPHOLOGICALLY DIVERSE. SOMEWHAT CENTRALLY CONDENSED.
	F117	SOMEWHAT CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
3193	F156	1st HAS CORONA (cD). POSSIBLE FOREGROUND CONTAMINATION AT S-E EDGE.
	F201	1st HAS FAINT CORONA (cD). BRIGHTEST MEMBERS ARE LENTICULARS.
3196	F549	1st MAY BE FOREGROUND. 3rd IS FACE-ON SPIRAL. SCATTERED.
3201	F549	SCATTERED.
3202	F156	SEVERAL CONCENTRATIONS. MAY BE SUPERPOSITION OF TWO OR MORE CLUSTERS.
3203	F359	Spiral superposed f.
3204	F250	SCATTERED.
3206	F015	1st HAS VERY FAINT CORONA AND COMPANION.
3207	F419	= A3208. = AC122 in Couch and Newell (1984).
3208	F483	= A3207.
3209	F156	WINDMILL-LIKE SHAPE.
3210	F156	1st HAS FAINT CORONA.
3215	F201	LOOSELY SCATTERED WITH SINGLE, SOMEWHAT DENSE, CONCENTRATION TO S-W.
3216	F083	SOMEWHAT SCATTERED. SLIGHT PERIPHERAL CONCENTRATION.
3217	F420	SOMEWHAT CENTRALLY CONDENSED.
3218	F483	Group superposed n.
3219	F083	1st HAS FAINT CORONA (cD?). SOMEWHAT CENTRALLY CONDENSED.
	F084	1st has corona.
3220	F015	SOMEWHAT ELONGATED.
3221	F420	1st IS SPINDLE (FOREGROUND?). SCATTERED.
3222	F420	1st IS LENTICULAR (FOREGROUND?). SCATTERED AND PART OF A LARGE CLOUD OF FAINT GALAXIES.
	F483	Several concentrations. Scattered. Group superposed?
3223	F420	1st HAS CORONA (cD?). ELONGATED WITH CONCENTRATIONS IN Q:1 & Q:4.

TABLE 7A—*Continued*

Abell	Field	Notes
		MORPHOLOGICALLY DIVERSE.
3224	F420	SCATTERED AND PART OF A LARGE CLOUD OF GALAXIES.
3225	F117	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE.
	F118	1st is spiral, foreground? 3rd has corona.
3226	F420	1st IS SPINDLE. SCATTERED.
3227	F250	TWO CONCENTRATIONS. SLIGHTLY CENTRALLY CONDENSED.
3228	F201	1st IS PROBABLY FOREGROUND ELLIPTICAL. 3rd HAS FAINT CORONA, LOCATED AT CLUSTER CENTER.
3229	F117	1st & 2nd ARE ELLIPTICAL; 3rd IS SPINDLE. SCATTERED.
	F118	1st is spiral. Group superposed.
3230	F084	1st has corona.
3231	F084	1st has corona.
3232	F360	BRIGHTEST MEMBERS NEAR CENTER.
3233	F250	ELONGATED AND LINEARLY CONDENSED.
3234	F250	SCATTERED.
3236	F250	1st HAS FAINT CORONA. CENTRALLY CONDENSED.
3237	F360	1st IS LENTICULAR. SCATTERED.
3238	F250	1st IS S0. SCATTERED. AMONG GROUPS IN A CLOUD.
3239	F303	3rd is spiral. Group superposed.
3240	F250	SOMEWHAT CENTRALLY CONDENSED. CONCENTRATION AT S-E EDGE.
3241	F084	1st has corona, in foreground? Group superposed?
3242	F084	Scattered. Group superposed.
3243	F250	IRREGULAR AND SCATTERED EXCEPT FOR SLIGHT CENTRAL CONDENSATION OF BRIGHTEST MEMBERS.
3244	F118	Group superposed.
3245	F250	SOMEWHAT SCATTERED, BUT HAS CONCENTRATED CORE.
3246	F250	ELONGATED AND SCATTERED. BRIGHT GROUP SUPERPOSED. PART OF A LARGE CLOUD.
3247	F250	1st HAS VERY FAINT CORONA. SOMEWHAT ELONGATED AND APPEARS TO BE PART OF A LARGE CLOUD.
3248	F084	Scattered. Nearer cluster superposed.
3249	F551	SCATTERED. BRIGHT GROUP SUPERPOSED.
3250	F360	SCATTERED.
3251	F084	1st has corona. Group superposed.
3252	F250	SLIGHTLY CENTRALLY CONDENSED WITH TENDRIL-LIKE EXTENSIONS. PART OF A LARGE CLOUD.
3253	F360	LENTICULAR SUPERPOSED ON 1st.
3254	F202	COMPACT CLUSTER AT Q1:N PLATE EDGE; COUNT LOW. THREE BRIGHT FOREGROUND GALAXIES AT EDGE.
	F250	SOMEWHAT CENTRALLY CONDENSED. BRIGHTER GROUP SUPERPOSED.
3255	F250	ELONGATED AND SOMEWHAT LINEARLY CONDENSED.
3256	F360	1st IS DENSE OVAL WITH FAINT CORONA. SCATTERED.
3257	F360	1st DISPLACED FROM APPARENT CLUSTER CENTER.
3258	F250	WINDMILL-SHAPED. SCATTERED.
3260	F551	1st IS E5 OR E6 (FOREGROUND?). SCATTERED.
3261	F118	Galaxies in lines. Nearer cluster superposed np.
3262	F360	1st HAS FAINT CORONA.
3264	F202	1st IS SPIRAL; 3rd HAS FAINT CORONA.
3265	F360	1st HAS CORONA.
3266	F118	cD is double with corona.
3267	F360	1st IS LENTICULAR(?).
3268	F360	1st IS DENSE OVAL. SOME OVERLAP WITH NEARBY CLUSTERS.
3269	F360	1st HAS FAINT CORONA. SEVERAL CONCENTRATIONS.
	F421	LINEAR.
3270	F251	MAINLY FAINT GALAXIES IN A SOMEWHAT PINWHEEL DISTRIBUTION.
3271	F202	1st HAS FAINT CORONA. CENTRALLY CONDENSED.
3273	F360	SCATTERED.
3274	F360	1st HAS FAINT CORONA. APPEARS PETAL-SHAPED.
3275	F360	SUPERPOSED ON OTHER CLUSTERS.
3276	F360	1st HAS FAINT CORONA. SCATTERED.
3277	F360	MORPHOLOGICALLY DIVERSE.
	F361	SEVERAL BRIGHT SPIRALS INCLUDED.
3278	F118	Two clusters seen in projection?
3279	F251	STRONG LINEAR CONCENTRATION.
3280	F202	3rd HAS FAINT CORONA. 1st & 2nd PROBABLY FOREGROUND.
3281	F304	1st HAS FAINT CORONA. SOMEWHAT SYMMETRICAL AND CENTRALLY CONDENSED.
3282	F251	1st APPEARS TO BE S0.
3283	F202	1st PROBABLY FOREGROUND. COMPACT.
3284	F251	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
3285	F304	1st IS LENTICULAR. SCATTERED.
3286	F485	Group superposed?
3287	F118	1st and 3rd in foreground?
3288	F551	1st HAS FAINT CORONA AND IS OFF-CENTER. SCATTERED WITH COMPACT CONCENTRATION IN Q:3.
3289	F361	1st HAS FAINT CORONA, 3rd IS EDGE-ON SPIRAL.
3290	F251	LOOSELY SCATTERED; VIRTUALLY ALL MEMBERS ARE FAINT ELLIPTICALS.
3291	F304	1st HAS FAINT CORONA. LOOSELY SCATTERED.
3292	F251	1st HAS FAINT CORONA.
3293	F361	1st HAS FAINT CORONA. CORE IS SPINDLE-RICH.
3294	F118	1st is spiral. In rich LMC starfield.
	F119	Group superposed.
3295	F361	1st HAS CORONA, IS ELONGATED, AND MAY BE SUPERPOSITION. 2nd & 3rd ARE SPIRALS.
3296	F361	1st HAS CORONA.
3299	F 1	1st IS S0. SLIGHTLY CENTRALLY CONDENSED.
3300	F485	1st has corona.
	F486	1st has corona.
3301	F304	1st HAS CORONA (cD). SYMMETRIC, CENTRALLY CONDENSED, AND MORPHOLOGICALLY DIVERSE.
	F305	1st HAS CORONA (cD).
3303	F203	1st is double with corona.
3304	F361	1st HAS FAINT CORONA.
	F362	Group superposed p. 1st is spiral.
3305	F304	1st HAS FAINT CORONA. LOOSELY SCATTERED.
	F305	1st HAS VERY FAINT CORONA. SCATTERED.
3306	F203	Group superposed n.
3307	F422	1st is multiple with corona.
3308	F422	Group superposed.
3309	F361	1st IS LENTICULAR, 3rd HAS CORONA.
3310	F362	Scattered.
3314	F252	SOMEWHAT WINDMILL-SHAPED. BRIGHT FOREGROUND(?) GALAXIES IGNORED.
3315	F422	Spiral superposed.
3316	F203	Group superposed. 1st is spiral.
3318	F422	Group superposed.
3319	F486	In a supercluster.
3322	F252	1st HAS FAINT CORONA (cD). SOMEWHAT CENTRALLY CONDENSED BUT HAS Q:1

TABLE 7A—*Continued*

Abell	Field	Notes
		(NW) CONCENTRATION.
3323	F423	1st HAS CORONA AND DOUBLE NUCLEUS (cD). 2nd IS SUPERPOSED ON RING GALAXY. ROUGHLY LINEAR.
3325	F423	1st IS SPIRAL.
3327	F305	1st HAS VERY FAINT CORONA. IRREGULAR BUT SOMEWHAT CENTRALLY CONDENSED.
3328	F252	MAJOR FAINT CONCENTRATION IN Q:1 (NW).
3329	F252	1st HAS FAINT CORONA.
3330	F203	1st has corona.
	F204	1st HAS CORONA (cD). FAIRLY CENTRALLY CONDENSED.
3331	F204	1st & 3rd HAVE FAINT CORONAE. SCATTERED.
3332	F252	1st HAS VERY FAINT CORONA.
	F305	1st HAS FAINT CORONA.
3333	F004	1st IS EDGE-ON SPIRAL. SLIGHTLY CENTRALLY CONDENSED.
3335	F423	1st APPEARS TO BE SUPERPOSITION.
3336	F305	1st HAS CORONA (cD).
3337	F204	IRREGULAR. 1st PROBABLY FOREGROUND. SEVERAL BRIGHTER GALAXIES NEARBY.
3338	F204	SOMEWHAT ELONGATED WITH CONCENTRATIONS.
3340	F423	1st HAS FAINT CORONA.
3341	F423	1st & 3rd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
3342	F423	1st HAS CORONA AND IS SUPERPOSITION.
3343	F204	1st HAS FAINT CORONA. FAIRLY CENTRALLY CONDENSED WITH CONCENTRATIONS (SUBCLUSTERING) TO N.
	F252	SOMEWHAT DUMBBELL-SHAPED. MAY BE SUPERPOSITION OF TWO GROUPS.
	F253	In a supercluster.
3344	F423	1st IS ELONGATED WITH CORONA.
3345	F204	1ts HAS VERY FAINT CORONA. SCATTERED.
	F253	1st has corona. In a supercluster.
3346	F204	1st HAS FAINT CORONA. SCATTERED. PART OF A GROUP OF CLUSTERS.
	F253	In a supercluster.
3347	F204	1st HAS FAINT CORONA. SOMEWHAT ELONGATED WITH SEVERAL CONCENTRATIONS.
3348	F204	1st HAS FAINT CORONA. SCATTERED.
3349	F204	1st HAS FAINT CORONA. SOMEWHAT SCATTERED.
	F253	1st has corona. In a supercluster.
3350	F204	CONCENTRATION IN A RICH BACKGROUND OF FAINT, SCATTERED GALAXIES.
3351	F306	SCATTERED.
3352	F204	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED. BRIGHT FOREGROUND SPIRAL SUPERPOSED.
	F253	1st is multiple. In a supercluster.
3353	F423	1st HAS FAINT CORONA.
	F424	1st HAS FAINT CORONA. NEAR W PLATE EDGE. (Q-1).
3354	F423	1st IS FACE-ON SPIRAL. SPIRAL-RICH AND DIVERSE MORPHOLOGICALLY.
	F424	1st IS FACE-ON SPIRAL. SOMEWHAT LINEAR.
3355	F363	SCATTERED.
3356	F306	1st & 3rd HAVE FAINT CORONAE; 2nd IS LENTICULAR. SOME EVIDENCE OF SUBCLUSTERING TO N-NE.
3357	F306	SOMEWHAT CENTRALLY CONDENSED. 2nd APPEARS TO HAVE VERY FAINT CORONA
3358	F554	SCATTERED AND MORPHOLOGICALLY DIVERSE.
3359	F253	Group superposed. 1st has corona.
3361	F204	1st HAS FAINT CORONA AND SEVERAL FAINT COMPANIONS. SOMEWHAT CONDENSED.
3362	F120	1st HAS FAINT CORONA; 2nd & 3rd ARE LENTICULARS.
3363	F204	1st HAS VERY FAINT CORONA. CENTRALLY CONDENSED WITH BRIGHTER FOREGROUND GROUP SUPERPOSED.
	F205	1st HAS VERY FAINT CORONA. CENTRALLY CONDENSED AND SYMMETRIC WITH NEARER CLUSTER SUPERPOSED.
	F253	Near plate edge. Group superposed s.
3364	F363	1st IS LENTICULAR, 3rd HAS FAINT CORONA.
	F424	1st HAS FAINT CORONA.
3365	F488	1st HAS FAINT CORONA. NEAR N PLATE EDGE, COUNT LOW.
	F555	SCATTERED.
3366	F306	3rd HAS FAINT CORONA. SCATTERED.
3367	F488	FAIRLY SCATTERED.
3368	F488	SCATTERED.
3369	F424	SOMEWHAT LINEAR WITH CONCENTRATIONS.
3370	F364	1st HAS FAINT CORONA. CONCENTRATION IN Q:I-II.
3371	F555	IN A CLOUD.
3372	F364	1st IS FACE-ON SPIRAL. MORPHOLOGICALLY DIVERSE.
3373	F555	POSSIBLY PART OF LARGE CLOUD OR SUPERCLUSTER.
3374	F555	SCATTERED.
3375	F555	SOMEWHAT SCATTERED.
3376	F307	1st & 2nd HAVE CORONAE. DENSE CONCENTRATION TO E-NE. ELONGATED.
3377	F555	1st HAS CORONA; 3rd IS S0.
3378	F364	1st HAS FAINT CORONA.
3379	F254	1st HAS FAINT CORONA; 3rd IS TRIPLET IN COMMON ENVELOPE. SUPERPOSED ON CLUSTER TO SOUTH.
3380	F205	1st HAS CORONA (cD). BRIGHTEST CLUSTER MEMBERS MOSTLY SPIRALS.
3381	F364	1st HAS CORONA, 2nd & 3rd ARE SPIRALS. CURIOUS LINE OF BRIGHT GALAXIES. MORPHOLOGICALLY DIVERSE.
3382	F307	1st IS PROBABLY FOREGROUND ELLIPTICAL.
3383	F556	Scattered. 1st has corona.
	F556	1st HAS VERY FAINT CORONA. SCATTERED WITH SLIGHT CONCENTRATION IN Q:4.
3384	F556	Group superposed s.
	F556	NEARER GROUP SUPERPOSED.
3385	F160	1st & 2nd HAVE FAINT CORONAE. SOMEWHAT CENTRALLY CONDENSED. N-W OF CANOPUS.
	F205	1st & 2nd HAVE FAINT CORONAE. SOMEWHAT CENTRALLY CONDENSED.
	F206	1st & 2nd HAVE FAINT CORONAE. IRREGULAR, BUT SLIGHTLY ELONGATED AND CENTRALLY CONDENSED.
3386	F255	1st has corona.
3387	F489	1st HAS VERY FAINT CORONA. SOMEWHAT SCATTERED.
3388	F255	Group superposed.
3389	F087	= RPO13.
3390	F308	1st HAS CORONA. MORPHOLOGICALLY DIVERSE. NEAR Q:1-N PLATE EDGE & CALIBRATION CUTOUT, COUNT LOW.
	F365	1st & 3rd HAVE CORONAE. DOMINATED BY BRIGHT MORPHOLOGICALLY DIVERSE GALAXIES.
3391	F161	1st is double in corona. 3rd is spiral. = RPO14.
3392	F365	1st HAS CORONA.
3394	F489	Count uncertain.
	F489	SOMEWHAT ELONGATED.
	F556	1st is spiral.
	F556	SOMEWHAT SCATTERED.

TABLE 7A— *Continued*

Abell	Field	Notes
3395	F161	1st has corona. = RPO15.
3396	F308	1st IS PROBABLY FOREGROUND. 3rd HAS FAINT CORONA.
3397	F206	1st; 2nd, & 3rd HAVE FAINT CORONAE.
3399	F206	SCATTERED WITH SLIGHT CENTRAL CONDENSATION.
3400	F255	Poorer cluster near n. 1st has corona.
3402	F206	1st HAS FAINT CORONA. IRREGULAR AND SOMEWHAT CENTRALLY CONDENSED.
3403	F206	1st HAS FAINT CORONA. SEVERAL BRIGHT MEMBERS ARE SPINDLES.
	F207	1st HAS FAINT CORONA. NEAR W FIDUCIAL CROSS AND W PLATE EDGE, COUNT SOMEWHAT LOW?
3404	F161	1st has corona. 3rd is spiral.
3405	F034	SOMEWHAT CENTRALLY CONDENSED.
3406	F207	1st IS PROBABLY FOREGROUND SPINDLE. 3rd HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
3407	F207	1st HAS CORONA (cD). SOME SUPERPOSITION WITH CLUSTER TO E-SE.
3408	F207	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE WITH SEVERAL SPINDLES AND SPIRALS.
3409	F562	SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
3411	F563	np of 2.
3412	F563	sf of 2.
3414	F564	SCATTERED. 1st MAY BE FOREGROUND. COUNT LOW?
3415	F564	SOMEWHAT SCATTERED AND MORPHOLOGICALLY DIVERSE.
3416	F564	3rd HAS CLOSE COMPANION (IN COMMON ENVELOPE?).
3417	F564	1st HAS FAINT CORONA (cD?). NEAR Q:3-E CALIBRATION CUTOUT.
	F565	1st has corona.
3418	F565	Group sf. 1st has corona.
3422	F434	1st has corona. 3rd is spiral.
3423	F434	1st HAS FAINT CORONA.
3424	F434	SOMEWHAT ELONGATED.
3425	F499	POSSIBLY PART OF LARGER STRUCTURE; MANY FAINT GALAXIES IN SURROUNDING FIELD.
3426	F434	1st HAS VERY FAINT CORONA; 3rd IS SPIRAL. Superposed on, and count probably contaminated, by AS619.
3427	F499	1st HAS FAINT CORONA; SEVERAL CONCENTRATIONS. MANY FAINT GALAXIES IN SURROUNDING FIELD.
3428	F374	1st HAS FAINT CORONA; 3rd IS FACE-ON SPIRAL. VERY SCATTERED.
3429	F499	1st HAS CORONA AND IS SUPERPOSITION WITH SMALLER, FAINTER GALAXIES.
3430	F499	1st PROBABLY FOREGROUND. MANY FAINT GALAXIES IN SURROUNDING FIELD.
3431	F499	SEVERAL CONCENTRATIONS. MANY FAINT GALAXIES IN SURROUNDING FIELD.
3432	F374	1st & 3rd HAVE FAINT CORONA. FAINT CONCENTRATIONS. 2nd IS EDGE-ON SPIRAL.
3433	F435	1st has corona. Group superposed n.
3434	F374	SCATTERED. NUMEROUS SCATTERED FAINT BACKGROUND GALAXIES.
3435	F435	A3436 superposed sf. In a supercluster.
3437	F436	Two concentrations.
3443	F375	1st IS S0. MORPHOLOGICALLY DIVERSE AND SCATTERED.
3446	F375	SLIGHTLY ELONGATED.
3447	F375	SCATTERED.
3448	F375	SLIGHTLY CENTRALLY CONDENSED, BUT HAS SLIGHT EXCESS AT EDGE.
3449	F375	SLIGHTLY CENTRALLY CONDENSED AROUND BRIGHTEST, BUT OTHERWISE SCATTERED.
3450	F375	Two clusters seen in projection?
	F375	BRIGHTEST MEMBERS ARE CENTRALLY CONDENSED; FAINTEST SCATTERED. (SUPERPOSITION OF TWO CLUSTERS?)
3452	F437	SCATTERED.
3453	F376	3rd HAS FAINT CORONA. SCATTERED.
3454	F019	1st HAS FAINT, ELONGATED CORONA AND IS OFF-CENTER. SCATTERED.
3455	F376	1st & 3rd HAVE CORONAE.
3456	F376	1st HAS CORONA, 3rd IS EDGE-ON SPIRAL.
3457	F502	1st HAS CORONA.
3459	F438	1st in foreground?
3460	F438	Foreground group superposed.
3463	F265	1st & 2nd PROBABLY FOREGROUND. SCATTERED.
3465	F570	np of 2; A1181 is other.
3467	F438	Two or three foreground galaxies.
3468	F377	SEVERAL CONCENTRATIONS. MOSTLY OBSCURED BY SAO 202149 AND ITS DIFFRACTION RING.
3469	F377	SCATTERED.
3470	F570	Group superposed n.
3472	F438	Two or three foreground galaxies.
3473	F265	1st HAS FAINT CORONA. SUPERPOSITION WITH CLUSTER TO N-E. SLIGHTLY OVAL & SCATTERED.
3474	F265	1st HAS FAINT CORONA. SOMEWHAT SPIRAL AND LENTICULAR-RICH.
3475	F265	1st HAS FAINT CORONA. SCATTERED WITHOUT CENTRAL CONDENSATION.
3476	F377	SCATTERED.
3477	F570	1st in foreground? 2nd m = 17.3.
3479	F503	1st HAS CORONA.
3481	F377	3rd HAS CORONA. NEAR N PLATE EDGE, COUNT SOMEWHAT LOW.
	F439	2nd HAS FAINT CORONA. SCATTERED.
3482	F377	SCATTERED.
3483	F570	Group superposed.
	F571	Group superposed.
3484	F503	1st HAS CORONA (POSSIBLY S0), 3rd IS SPINDLE.
3485	F439	1st HAS FAINT CORONA (cD?). SOMEWHAT SYMMETRICAL. NEARBY GROUP SUPERPOSED.
3486	F378	1st HAS FAINT CORONA.
3487	F439	2nd HAS EXTENDED AND ELONGATED CORONA. SOMEWHAT SCATTERED.
3488	F504	1st HAS FAINT CORONA.
3489	F439	1st & 2nd HAVE FAINT CORONAE. SCATTERED AND MORPHOLOGICALLY DIVERSE.
3490	F378	1st HAS CORONA AND IS SUPERPOSITION WITH SMALL, FAINT COMPANION. SPIRAL-RICH.
3491	F378	SCATTERED.
3492	F379	1st IS FACE-ON SPIRAL (FOREGROUND?), 2nd HAS CORONA.
3493	F504	SCATTERED.
3494	F440	1st HAS FAINT CORONA. SOMEWHAT SCATTERED. PART OF A LARGER CLOUD?
3495	F440	SOMEWHAT DUMBBELL-SHAPED; MAY BE TWO CLUSTERS SUPERPOSED. POSSIBLY PART OF LARGE CLOUD.
3496	F505	SCATTERED.
3497	F440	1st HAS FAINT CORONA. SOMEWHAT CUSP-SHAPED. PART OF LARGER SYSTEM?
3498	F440	1st HAS VERY FAINT CORONA. SOMEWHAT ELONGATED. POSSIBLY PART OF A LARGER CLOUD.
3499	F440	1st HAS VERY FAINT CORONA. SYMMETRICAL. APPEARS TO BE PART OF A LARGE CLOUD.
3500	F440	1st HAS VERY FAINT CORONA. MAY BE SUPERPOSED ON FAINTER CLOUD OF GALAXIES. CONFUSED REGION.
3501	F440	1st HAS FAINT CORONA. SCATTERED AND POSSIBLY PART OF A LARGE CLOUD.
3502	F440	1st HAS FAINT CORONA(cD?). SOMEWHAT SYMMETRICAL AND POSSIBLY PART

TABLE 7A—*Continued*

Abell	Field	Notes
		OF A LARGE CLOUD.
	F505	1st HAS VERY FAINT CORONA.
3503	F440	SOMEWHAT CENTRALLY CONDENSED, BUT ELONGATED. NEARBY GROUP SUPERPOSED. PART OF LARGE CLOUD?
3504	F379	1st HAS FAINT CORONA.
3505	F379	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE WITH CONCENTRATIONS.
3506	F441	1st HAS CORONA, 2nd IS SPINDLE.
3507	F505	1st HAS CORONA. SUPERPOSED ON EDGE OF CLUSTER TO N-NE.
3508	F441	3rd HAS CORONA.
3509	F379	1st IS OFF-CENTER WITH FAINT CORONA. MORPHOLOGICALLY DIVERSE WITH CONCENTRATIONS.
	F441	SCATTERED, MORPHOLOGICALLY DIVERSE. SUPERPOSITION?
3510	F441	1st HAS VERY FAINT CORONA.
3511	F267	1st HAS FAINT CORONA.
3513	F267	1st HAS FAINT CORONA AND IS AT EDGE OF CLUSTER. GENERALLY SCATTERED WITH SOME CENTRAL CONCENTRATION.
	F268	1st & 3rd HAVE FAINT CORONAE.
	F321	1st & 2nd POSSIBLY FOREGROUND; 3rd HAS FAINT CORONA.
	F322	Group superposed. 1st and 3rd are spiral. Hardly a cluster, or very obscured.
3514	F506	1st APPEARS TO BE SUPERPOSITION. SLIGHTLY CENTRALLY CONDENSED.
3515	F268	1st HAS FAINT CORONA.
3516	F506	SCATTERED.
3517	F574	SCATTERED.
3518	F574	SCATTERED.
3519	F322	Group superposed.
3520	F506	Scattered.
3521	F574	SCATTERED.
3522	F574	1st IS ELONGATED WITH FAINT ELONGATED CORONA (cD?). SCATTERED.
3523	F574	SCATTERED.
3524	F380	1st HAS CORONA.
	F381	1st HAS CORONA.
3525	F574	FAIRLY COMPACT. 1st NEAR CENTER.
	F575	COMPACT CLUSTER (POSSIBLY A STAR CLUSTER?).
3526	F322	Centaurus. Counts completed on F323. Position for N4696.
	F323	Centaurus. Counts completed on F322.
3527	F381	1st HAS FAINT CORONA.
3528	F442	Group superposed sf. 1st has corona. = RPO16.
	F443	Group superposed sf. 1st has corona.
3529	F575	SOMEWHAT ELONGATED AND SCATTERED.
3530	F442	Plate edge. 1st has corona.
	F443	1st has corona.
3531	F381	1st & 3rd HAVE CORONAE. SOME OVERLAP WITH NEARBY GROUP TO N-NE.
3532	F443	1st has corona.
3533	F575	SCATTERED.
3534	F575	SCATTERED.
3535	F443	1st is spindle.
3536	F575	1st HAS VERY FAINT CORONA. SLIGHTLY ELONGATED.
	F575	1st HAS FAINT CORONA. SOMEWHAT ELONGATED.
3537	F382	1st & 2nd HAVE CORONAE, 3rd IS EDGE-ON SPIRAL. IN NW CORNER NEAR CALIBRATION CUTOUT; COUNT LOW.
3538	F575	SCATTERED. BRIGHTEST ARE MORPHOLOGICALLY DIVERSE.
3539	F575	1st HAS FAINT CORONA. SCATTERED.
3540	F443	1st in foreground? 2nd m = 17.1.
3541	F508	1st IS SPINDLE, 2nd HAS FAINT CORONA. SOMEWHAT MORPHOLOGICALLY DIVERSE; SCATTERED.
3542	F382	1st HAS CORONA AND IS ISOLATED FROM MOST OTHER CLUSTER MEMBERS.
3543	F508	1st HAS FAINT CORONA AND IS OFF-CENTER. SCATTERED.
3544	F382	1st HAS FAINT CORONA.
3545	F382	1st HAS FAINT CORONA. SCATTERED.
3546	F444	1st HAS FAINT CORONA. NEAR W PLATE EDGE, COUNT LOW.
3547	F323	3rd has corona. Very obscured.
3548	F269	1st, 2nd, & 3rd HAVE FAINT CORONAE.
3549	F444	1st HAS CORONA, 3rd IS SPIRAL.
3550	F576	SLIGHTLY CENTRALLY CONDENSED.
3551	F444	1st IS SUPERPOSED PAIR.
3552	F444	1st HAS CORONA.
3553	F382	1st, 2nd, & 3rd HAVE FAINT CORONAE. SOMEWHAT SPIRAL-RICH.
3554	F382	1st HAS CORONA AND IS SUPERPOSITION. MORPHOLOGICALLY DIVERSE.
3555	F444	1st IS BRIGHTER OF PAIR. SEVERAL CONCENTRATIONS. SEVERAL INTERACTING PAIRS.
3556	F444	1st HAS CORONA (cD).
3557	F444	1st HAS CORONA. SEVERAL CONCENTRATIONS.
3558	F444	1st HAS CORONA. SEVERAL SUPERPOSITIONS AND SUBCLUSTERS.
3559	F444	1st HAS CORONA & IS SUPERPOSED. DIVERSE WITH SEVERAL CONCENTRATIONS.
3560	F383	1st HAS CORONA WITH LENTICULAR (WITH FLATTENED BULGE) SUPERPOSED. MORPHOLOGICALLY DIVERSE.
3561	F270	1st IS LATE ELLIPTICAL. SUPERPOSED ON ANOTHER CLUSTER TO N-E, COUNT HIGH(?).
3562	F444	1st HAS CORONA. SOME SUBCLUSTERING. NEARBY CLUSTER SUPERPOSED.
3563	F270	CENTER HAS COMPACT GROUP OF NEARLY EQUALLY BRIGHT ELLIPTICALS.
	F324	1st HAS FAINT CORONA. QUINTET OF BRIGHT ELLIPTICALS NEAR CENTER HAVE FAINT CORONAE.
3564	F383	1st IS LENTICULAR, 2nd HAS CORONA.
3565	F383	1st HAS CORONA & GLOBULAR CLUSTERS. MORPHOLOGICALLY DIVERSE.
3566	F383	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE.
3567	F383	1st HAS FAINT CORONA.
3568	F383	1st IS LENTICULAR. SCATTERED. CENTERED ON NEARLY FACE-ON S0 WITH STELLAR NUCLEUS AND DIFFUSE CORONA.
3569	F383	1st HAS FAINT CORONA.
3570	F325	1st HAS FAINT CORONA; 2nd IS MULTIPLE SYSTEM IN COMMON CORONA. SOMEWHAT SPIRAL-RICH. SUPERPOSED ON ANOTHER CLUSTER TO S-W.
	F383	1st IS OFF-CENTER WITH FAINT CORONA. 2nd HAS CORONA AND IS SUPERPOSITION (INTERACTING?).
3571	F383	1st IS FLATTENED ELLIPTICAL (cD) WITH CORONA AND FAINT COMPANIONS. MORPHOLOGICALLY DIVERSE WITH SLIGHT SUB-CLUSTERING.
	F445	1st IS ELONGATED cD WITH EXTENDED CORONA.
3572	F383	1st IS ELONGATED WITH FAINT CORONA. COUNT CONTAMINATED BY SUPERPOSITION WITH RICH CLUSTER TO N.
3573	F383	1st IS ELONGATED WITH CORONA.
3574	F445	1st HAS CORONA AND POSSIBLE GLOBULAR CLUSTERS.
3575	F383	1st HAS FAINT CORONA. NEAR N-NE PLATE EDGE WITH SAO 204916 & 17 SUPERPOSED; COUNT LOW.
3576	F445	1st HAS CORONA.
3577	F445	MORPHOLOGICALLY DIVERSE.
	F510	CENTER DOMINATED BY GROUP OF BRIGHT ELLIPTICALS.

TABLE 7A—*Continued*

Abell	Field	Notes
3578	F510	POSSIBLE LARGE GROUP OF FOREGROUND GALAXIES SUPERPOSED. TWO CONCENTRATIONS.
3579	F510	2nd IS FACE-ON SBa. SAO 182123 OBSCURES PART OF CLUSTER.
3580	F510	1st HAS CORONA.
3581	F510	1st HAS CORONA.
	F511	1st HAS CORONA (cD?). NEAR Q:4-W PLATE EDGE. COUNT LOW.
3582	F578	SOMEWHAT COMPACT. PART OF CLOUD OF FAINT GALAXIES?
3583	F578	SOMEWHAT SCATTERED.
3584	F578	1st IS NEARLY FACE-ON SPIRAL.
3585	F511	SCATTERED.
3586	F511	SCATTERED.
3588	F385	3rd HAS FAINT CORONA. SCATTERED.
3589	F271	Group superposed. 1st is spiral (in foreground?).
3590	F446	1st and 3rd have coronae.
3591	F511	BRIGHTEST APPEAR TO BE UNRESOLVED SPIRALS. SLIGHTLY CENTRALLY CONDENSED.
3592	F511	BRIGHTEST APPEAR UNRESOLVED. SCATTERED.
3593	F579	MORPHOLOGICALLY DIVERSE. RICH IN SPINDLES.
3594	F579	SOMEWHAT COMPACT.
3596	F579	SCATTERED.
3597	F579	1st HAS FAINT CORONA.
3598	F579	SCATTERED. MANY FAINT FIELD GALAXIES IN NEIGHBORHOOD (CLOUD?).
3599	F511	1st MAY BE FOREGROUND. SCATTERED.
3600	F447	Three concentrations.
3601	F579	ELONGATED.
3602	F272	1st has corona. 3rd is spiral.
3603	F447	= RPO21.
3605	F512	NEAR S PLATE EDGE, COUNT LOW.
3607	F512	SCATTERED.
3610	F580	1st HAS FAINT CORONA. TWO CONCENTRATIONS.
3611	F580	1st HAS VERY FAINT CORONA. SLIGHTLY ELONGATED.
3613	F448	Three concentrations.
3614	F448	Group superposed?
3615	F022	1st HAS FAINT CORONA. SCATTERED.
3617	F582	SINGLE CONCENTRATION WITH OTHER SCATTERED GALAXIES.
3618	F449	1st HAS FAINT CORONA.
3619	F449	3rd & 10th ARE SPIRALS, 2nd HAS CORONA.
3620	F582	FAIRLY SCATTERED; MANY FAINT GALAXIES NEARBY.
3621	F514	SCATTERED. 1st HAS VERY FAINT CORONA.
3622	F582	1st IS SPINDLE; 3RD HAS CORONA.
3623	F515	1st IS FOREGROUND. 2nd IS FACE-ON SPIRAL. COUNT MAY BE CONTAMINATED BY FAINT STARS.
3624	F009	1st HAS VERY FAINT CORONA. SLIGHTLY CENTRALLY CONDENSED.
3625	F009	1st, 2nd, & 3rd HAVE FAINT CORONAE. SLIGHTLY ELONGATED.
3626	F009	1st IS SPIRAL; 2nd HAS FAINT CORONA. SCATTERED.
3627	F136	1st, 2nd, & 3rd HAVE FAINT CORONAE. SOMEWHAT SPIRAL-RICH.
3628	F043	1st & 2nd HAVE FAINT CORONAE. WEAK CONCENTRATIONS IN Q:1 & Q:2. SUPERPOSITION?
3629	F009	1st HAS FAINT CORONA. SOMEWHAT ELONGATED N-S.
3630	F043	DOMINATED BY A NEARLY ROUND ELLIPTICAL. SOMEWHAT CENTRALLY CONDENSED.
3632	F281	Two foreground galaxies.
3633	F281	Two concentrations.
3634	F183	3rd HAS FAINT CORONA.
3636	F282	Two concentrations. Group superposed.
3637	F045	SCATTERED, WITH CONCENTRATION IN Q:1.
3638	F283	3rd HAS FAINT CORONA. MANY GALAXIES FAINTER THAN M3 + 2.
3639	F232	1st has corona.
3640	F025	3rd HAS VERY FAINT CORONA AND SEVERAL FAINT COMPANIONS. SOMEWHAT OBSCURED BY GAS & DUST CLOUD.
3641	F283	1st HAS FAINT CORONA, 3rd IS SPIRAL. FAINT GALAXIES SOMETIMES CONFUSED WITH FAINT TRAILED STARS; COUNT LOW?
3643	F185	3rd HAS VERY FAINT CORONA. SLIGHTLY CENTRALLY CONDENSED.
3644	F025	1st IS FACE-ON S0(?). SCATTERED AND WITH A FEW RELATIVELY BRIGHT SPIRALS.
3645	F185	1st IS PROBABLY FOREGROUND. SOMEWHAT CENTRALLY CONDENSED.
3647	F185	SOMEWHAT SCATTERED.
3648	F283	SCATTERED.
3649	F461	Foreground group superposed?
3650	F011	1st IS SPINDLE; 2nd IS S0. SCATTERED.
3651	F185	1st HAS CORONA. SOMEWHAT CENTRALLY CONDENSED AND QUITE MORPHOLOGICALLY DIVERSE.
3653	F185	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
3654	F399	1st MAY BE SPIRAL (FACE-ON). MANY GALAXIES IN SURROUNDING FIELD. PART OF SUPERCLUSTER?
3655	F026	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
3656	F339	= RPO22.
3660	F185	SOMEWHAT SCATTERED.
3661	F284	Group superposed?
3663	F185	WIDELY SCATTERED.
3664	F025	1st HAS FAINT CORONA. SLIGHTLY SCATTERED WITH CONCENTRATION IN S-W.
	F026	1st HAS FAINT CORONA.
3665	F185	RATHER COMPACT WITH TWO MAJOR CONCENTRATIONS; SOMEWHAT DUMBBELL SHAPED.
	F186	1st IS PROBABLY FOREGROUND ELLIPTICAL. SCATTERED.
	F186	= AC106 in Couch and Newell (1984).
3666	F025	2nd HAS FAINT CORONA. SOMEWHAT SCATTERED.
	F026	SLIGHTLY CENTRALLY CONDENSED.
3667	F143	1st HAS CORONA. NEAR Q:1-N PLATE EDGE. COUNT LOW. SOME EVIDENCE OF SUBCLUSTERING/CONCENTRATION (GOA has this as one cluster with AS854).
	F186	1st & 2nd HAVE CORONAE (cD's). LINEARLY CONDENSED. MAY BE SUPERPOSITION OF TWO CLUSTERS.
3668	F339	Very compact.
	F340	1st HAS FAINT CORONA. CENTRALLY CONDENSED ALTHOUGH SOMEWHAT LINEARLY EXTENDED.
3671	F340	3rd HAS FAINT CORONA AND CLOSE COMPANION.
3672	F340	1st HAS FAINT CORONA. SEVERAL FOREGROUND GALAXIES (THIN SPINDLES) IN FIELD.
3675	F186	1st IS SPINDLE (FOREGROUND?). SOMEWHAT CENTRALLY (AND LINEARLY) CONDENSED.
3676	F340	1st HAS FAINT CORONA. SCATTERED WITH EVIDENCE OF SUBCLUSTERING (OR SUPERPOSITION?) TO S-W.
3677	F400	1st IS ELONGATED WITH CORONA. COUNT CONTAMINATED BY SUPERPOSITION WITH CLUSTERS E-SE & S.
3681	F400	1st, 2nd, & 3rd HAVE CORONAE.

TABLE 7A—*Continued*

Abell	Field	Notes
3682	F400	1st HAS FAINT CORONA AND APPEARS TO BE INTERACTING WITH AN Sc GALAXY.
3683	F400	1st HAS FAINT CORONA.
3684	F026	BRIGHTEST TEND TO BE SPINDLES & SPIRALS.
3685	F186	1st IS S0(?). LOOSELY SCATTERED.
3686	F528	SCATTERED. 1st HAS VERY FAINT CORONA.
3688	F340	TWO CONCENTRATIONS OF ELLIPTICALS, I.E. SOMEWHAT DUMBBELL-SHAPED.
3689	F186	1st HAS FAINT CORONA. SCATTERED.
3690	F400	LOOSELY SCATTERED. CONCENTRATION TO SE.
3691	F340	1st, 2nd, & 3rd HAVE FAINT CORONAE. SOME EVIDENCE OF SUBCLUSTERING.
3692	F234	ELONGATED.
3693	F400	SOMEWHAT LENTICULAR-RICH. BRIGHTEST ARE ELLIPTICALS, HOWEVER.
3694	F400	1st HAS CORONA.
3695	F400	1st IS PAIR IN COMMON ENVELOPE (DOUBLE NUCLEUS cD). MORPHOLOGICALLY DIVERSE.
3696	F400	1st, 2nd, & 3rd HAVE FAINT CORONAE.
3697	F186	1st IS SPIRAL (?); 2nd & 3rd ARE CLOSE PAIR. SCATTERED.
3698	F528	1st AND 2nd HAVE CORONAE.
3699	F340	SOME OVERLAP WITH CLUSTER TO N-E.
	F341	1st IS LENTICULAR. LOOSELY SCATTERED.
3700	F401	Group superposed?
3701	F074	Group superposed.
3703	F143	1st HAS CORONA (cD).
	F144	1st has corona.
3704	F463	1st HAS CORONA (?), 2nd IS SPIRAL.
3705	F401	= RPO23.
3706	F341	BRIGHTEST CLUSTER MEMBERS ARE DOMINATED BY ROUND ELLIPTICALS.
3709	F463	1st & 3rd HAVE CORONAE.
3710	F001	SCATTERED.
3712	F463	1st HAS FAINT CORONA.
3713	F401	10th is spiral.
3715	F463	1st HAS FAINT CORONA. RICH FOREGROUND OF GROUPS SUPERPOSED.
3717	F341	CENTERED ON 3rd. SEVERAL THIN SPINDLES NEAR CENTER. SCATTERED.
3718	F187	1st is double in corona.
3719	F286	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
3721	F286	SCATTERED AND SOMEWHAT ELONGATED.
3723	F286	SOMEWHAT ELONGATED.
3724	F286	Y-SHAPED. PART OF A RAMBLING CLOUD OF GALAXIES.
3726	F529	Middle of 3.
3727	F401	1st is spiral. 10th has corona.
	F402	Plate edge.
3728	F010	1st & 2nd ARE PAIR IN COMMON ENVELOPE. SCATTERED.
3729	F529	Group superposed.
3730	F401	Group superposed.
	F402	Plate edge.
	F402	SCATTERED. NEAR Q-4:W PLATE EDGE.
3731	F341	NEARBY CLUSTER TO N-E SUPERPOSED.
3732	F187	1st in foreground?
3733	F464	1st & 3rd HAVE CORONAE, 2nd IS SPIRAL.
3734	F464	SCATTERED, BUT WITH SEVERAL CONCENTRATIONS.
3735	F286	SCATTERED.
3736	F286	3rd IS SPINDLE. SCATTERED WITH CONSIDERABLE FAINT POPULATION BELOW MAGNITUDE CUTOFF.
3737	F401	Group superposed. 1st and 3rd are spirals.
	F402	Group superposed.
	F402	SOMEWHAT ELONGATED. NEARER GROUP NEIGHBORING.
3738	F286	SERPENTINE-LIKE.
3739	F342	Group superposed np. 1st is spiral.
3741	F026	1st HAS CORONA (cD?, FOREGROUND?). SCATTERED.
3742	F286	1st HAS CORONA (cD). SLIGHTLY ELONGATED AND MORPHOLOGICALLY DIVERSE.
3744	F530	1st and 3rd have coronae. 10th is spiral.
3745	F286	SLIGHTLY ELONGATED. CONSIDERABLE MEMBERSHIP FAINTER THAN MAGNITUDE CUTOFF (RPO and HGC have probable foreground group included).
3746	F402	Group superposed sf; is 1st a member of it?
	F402	1st HAS ELONGATED CORONA.
3747	F286	1st & 2nd ARE S0's(?); BOTH HAVE CORONAE. SCATTERED WITH SEVERAL CONCENTRATIONS OR SUPERPOSITIONS.
3748	F026	SLIGHTLY CENTRALLY CONDENSED.
3749	F286	SOMEWHAT ELONGATED AND PART OF A LARGE CLOUD OF SCATTERED GALAXIES.
3750	F235	Two concentrations.
3751	F286	SCATTERED AND MORPHOLOGICALLY DIVERSE. PART OF A LARGE CLOUD OF GALAXIES.
3752	F464	1st IS SPINDLE, 3rd HAS FAINT CORONA.
3753	F464	CENTRALLY CONDENSED.
3754	F286	SLIGHTLY CENTRALLY CONDENSED.
3755	F286	SCATTERED.
3756	F342	Group superposed nf. Near plate edge.
3757	F287	1st HAS FAINT CORONA.
3758	F530	1st has corona.
3759	F402	SOMEWHAT ELONGATED. FOREGROUND GROUP NEARBY.
3761	F047	SCATTERED.
	F048	SCATTERED.
3762	F011	SOMEWHAT OBSCURED BY SAO 258899. COUNT SLIGHTLY LOW.
3763	F011	1st & 2nd ARE SPIRALS. SCATTERED.
3764	F402	ELONGATED N-S WITH CONCENTRATION TO S-E. = RPO26.
3765	F188	Two concentrations or two clusters seen in projection.
3766	F236	Group superposed n.
3767	F287	SCATTERED, BUT WITH A SOMEWHAT LINEAR CONCENTRATION. PARTIALLY OBSCURED BY SAO 230692.
3768	F075	Plate edge.
3769	F402	SOMEWHAT ELONGATED.
3770	F599	SOMEWHAT SCATTERED. 1st HAS CORONA. SMALL GROUP E-SE.
3771	F236	= RPO27.
3772	F287	LOOSELY SCATTERED.
3773	F599	SCATTERED CLUSTER. 1st HAS CORONA.
3774	F287	LOOSELY SCATTERED, MAY BE SUPERPOSITION. BRIGHT ELLIPTICAL TO W PROGABLY IN FOREGROUND.
3775	F287	1st IS PROBABLY FOREGROUND.
3776	F075	Group superposed np. Two concentrations.
3778	F530	Plate edge.
	F531	1st HAS VERY FAINT CORONA AND IS OFF-CENTER. SOMEWHAT ELONGATED. FOREGROUND SPIRAL IGNORED.
3779	F011	SCATTERED WITH SOME CONCENTRATION AT EDGE.
3782	F145	= RPO30.
3783	F287	1st HAS FAINT CORONA. SYMMETRICAL AND CENTRALLY CONDENSED.
3784	F465	Scattered. Group superposed?

TABLE 7A—*Continued*

Abell	Field	Notes
3785	F188	1st is very close double. = RPO29.
3786	F027	1st IS ELONGATED WITH EXTENDED CORONA. SOMEWHAT SCATTERED.
3788	F403	Nearer cluster superposed sp. Scattered.
	F465	Scattered.
3790	F287	DUMBBELL-SHAPED; MAY BE SUPERPOSITION OF TWO GROUPS.
3791	F287	1st & 2nd ARE PROBABLY FOREGROUND.
3793	F188	1st is spiral.
3794	F531	Three concentrations. Group superposed nf.
3795	F403	1st has corona.
3796	F236	1st has corona.
3797	F531	1st IS S0. SOMEWHAT ELONGATED.
3798	F287	CENTRALLY CONDENSED.
3799	F075	3rd has corona. Plate edge.
3800	F287	LOOSELY SCATTERED.
3801	F011	SCATTERED. 1st PROBABLY FOREGROUND.
3802	F287	SOMEWHAT CENTRALLY CONDENSED.
	F288	Galaxies from AS974 superposed.
3804	F531	Several concentrations.
3805	F531	1st IS FLATTENED ELLIPTICAL OR LENTICULAR (FOREGROUND?). MANY FAINT MEMBERS.
3806	F145	Is this S149-5 with position corrected? Galaxy at position of S149-5 is in foreground (Corwin and Emerson 1982) and may have faint companions, or is superposed on cluster members. = RPO33.
3807	F531	2nd HAS FAINT CORONA. BRIGHT FOREGROUND LENTICULAR IGNORED. SOMEWHAT ELONGATED.
3808	F531	SOMEWHAT CENTRALLY CONDENSED.
3809	F287	1st HAS CORONA (cD). TRACE OF SUBCLUSTERING IN Q:1 (NW).
	F288	Superposed on more distant cluster? 1st has corona. = RPO34.
3810	F108	1st HAS FAINT CORONA (cD?) WITH STAR SUPERPOSED TO S. SCATTERED WITH SOME CONCENTRATIONS.
	F108	Group superposed f. 1st in foreground?
3811	F288	Group superposed sf. 1st in foreground?
3812	F403	1st is spiral.
3813	F403	1st has corona. Plate edge.
	F466	1st has corona.
3814	F466	1st has corona.
3817	F237	In a supercluster.
3818	F237	Group superposed.
3820	F237	Group superposed; bright galaxy superposed.
3822	F145	Dwarf galaxy superposed. = RPO36.
	F189	Plate edge.
3823	F403	Group superposed.
3824	F532	Group superposed f. 1st has corona.
3825	F145	Plate edge; data from this plate rejected. Dwarf galaxy superposed. = RPO37.
3827	F145	Plate edge.
	F146	1st is multiple cD. = RPO38.
3829	F344	Scattered. Group superposed?
3831	F288	Group superposed.
3832	F467	1st IS LENTICULAR, 3rd HAS CORONA. = A3833.
3833	F466	= A3832. 1st and 3rd have coronae.
3834	F237	Group and extremely bright star nf.
	F288	Group superposed nf. Scattered, but rich.
3835	F344	Group superposed sf. Another cluster nff.
3837	F467	1st HAS FAINT CORONA; 2nd & 3rd ARE LENTICULAR. FIVE FOREGROUND GALAXIES IN FIELD.
3838	F467	SCATTERED. DOMINATED BY A FEW ELLIPTICALS.
3840	F344	1st HAS CORONA.
3841	F237	Group superposed s.
3842	F344	1st HAS VERY FAINT CORONA; 3rd IS SPIRAL. SOMEWHAT ELONGATED WITH CONCENTRATION TO S-E.
	F344	Another cluster sf.
3844	F404	LOOSELY SCATTERED.
3845	F237	Two concentrations.
3846	F533	Group superposed. Scattered.
3847	F601	1st is foreground spindle 1.5 arcmin north. N7230 5 arcmin s-w.
3848	F289	1st IS SPINDLE.
3853	F344	1st MAY BE FOREGROUND. SLIGHTLY CENTRALLY CONDENSED, BUT OTHERWISE RAMBLING.
3854	F405	1st has corona. 3rd is spiral.
3855	F289	1st IS PAIR IN COMMON (?) ENVELOPE. LOOSELY SCATTERED.
3856	F344	1st IS ELONGATED (ALONG CLUSTER MAJOR AXIS) AND MAY BE BINARY; HAS EXTENDED ENVELOPE.
	F344	1st is extended with corona.
3857	F344	1st is spiral.
3858	F405	Group superposed nf.
3859	F344	SCATTERED. SLIGHT CONCENTRATION TO S-E.
3861	F344	Two concentrations.
3862	F289	1st IS ROUND ELLIPTICAL AT EDGE. CENTRALLY CONDENSED.
3864	F190	1st has corona.
3865	F075	Group superposed. 1st has corona and superposed star.
3866	F405	1st and 3rd have coronae.
3869	F190	Three concentrations. = RPO41; position wrong in Olowin (1986, 1987).
3870	F190	Cluster superposed, 1st and 3rd uncertain.
3873	F467	2nd IS LENTICULAR, 3rd HAS FAINT CORONA.
3874	F344	Plate edge.
3875	F146	1st is multiple system in corona.
	F189	Plate edge. 1st has very large corona.
	F190	1st multiple in corona.
3876	F289	1st HAS FAINT EXTENDED CORONA, 2nd IS SPIRAL.
3878	F405	1st is spiral, 3rd has corona.
3879	F076	2nd HAS CORONA. SOMEWHAT CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
3880	F467	1st HAS CORONA. CENTRALLY CONDENSED. NEAR E CALIBRATION CUTOUT.
	F468	1st has corona. = RPO44.
3881	F405	Group superposed. 1st is spiral.
3882	F405	Nearer cluster superposed. 3rd is spiral.
3884	F147	Plate edge.
3886	F190	Two concentrations.
3887	F345	LOOSELY SCATTERED.
3888	F345	CENTARLLY CONDENSED CLUSTER DOMINATED BY BRIGHT ELLIPTICALS.
3889	F468	Group superposed.
3891	F147	1st outlying with streamer. 3rd is double.
3892	F468	1st has corona.
3893	F534	1st HAS CORONA.

TABLE 7A—*Continued*

Abell	Field	Notes
3894	F603	STRANDS OF FAINT GALAXIES.
3896	F345	LOOSELY SCATTERED, BUT SOMEWHAT LINEARLY CONCENTRATED.
	F406	Group superposed. Plate edge. Magnitudes uncertain.
3897	F602	= A2462. 1st has corona. Plate edge.
	F603	1st HAS CORONA; 2nd IS DIFFUSE BLUNT SPINDLE. = A2462.
3899	F345	MANY FAINT GALAXIES BELOW COUNT LIMIT. FOREGROUND CONTAMINATION.
3900	F534	SCATTERED.
3901	F406	Two concentrations.
3902	F290	SOMEWHAT ELONGATED WITH LARGE FAINT MEMBERSHIP BELOW MAGNITUDE CUTOFF.
3904	F290	ELONGATED.
3907	F147	1st has corona. Plate edge.
3908	F290	SLIGHTLY CENTRALLY CONDENSED, BUT OTHERWISE SCATTERED.
3909	F290	ELONGATED.
3910	F290	1st HAS FAINT CORONA (cD?). SCATTERED AND SLIGHTLY OVERLAPPING WITH NEIGHBORING CLUSTER.
3911	F190	1st is spiral.
	F238	1st is spiral.
	F239	Plate edge. 1st is spiral.
3912	F406	Two concentrations.
3914	F147	In a supercluster.
3916	F076	1st IS SPIRAL (FOREGROUND?); 2nd HAS FAINT CORONA. SCATTERED.
3917	F406	Scattered in streams.
3918	F469	1st HAS FAINT CORONA.
3919	F147	In a supercluster.
3920	F346	1st has corona. 3rd is spiral.
3925	F290	MORPHOLOGICALLY DIVERSE AND SCATTERED. SEVERAL CONCENTRATIONS. OVERLAPS WITH NEIGHBORING CLUSTER.
3928	F406	1st is peculiar.
	F406	Scattered.
3929	F468	Two clusters superposed? Confused area.
3930	F468	Group superposed. Near calibration cutout.
3932	F049	1st IS LENTICULAR. SCATTERED BUT SOMEWHAT MORE CONCENTRATED IN Q:1 & Q:4.
3933	F406	S-shaped. Group superposed.
3934	F406	= AC113 in Couch and Newell (1984).
3936	F406	Three concentrations.
3937	F290	SOMEWHAT OVAL AND COMPACT.
3938	F190	Plate edge.
	F191	Group superposed?
3939	F147	Two concentrations.
3940	F147	Group superposed p. In a supercluster.
3941	F147	In a supercluster.
3942	F049	1st HAS FAINT, ELONGATED CORONA, AND A CLOSE COMPANION.
3943	F469	1st HAS FAINT CORONA. ELONGATED.
3944	F346	1st is spiral or group superposed?
3945	F346	1st is peculiar, or superposed on cluster?
3948	F469	1st HAS FAINT CORONA.
	F534	1st HAS FAINT CORONA. NEAR S-E PLATE CALIBRATION CUTOUT.
	F535	1st HAS CORONA.
3952	F290	SCATTERED.
3953	F290	SCATTERED.
3955	F290	SOMEWHAT WINDMILL-SHAPED.
3956	F290	SCATTERED. SEVERAL CONCENTRATIONS AND APPEARS SUPERPOSED ON PART OF NEIGHBORING CLUSTER.
3957	F147	Group superposed sf. 1st has corona.
3958	F469	1st HAS FAINT CORONA. SCATTERED.
3959	F406	1st is peculiar spiral. Group superposed.
	F407	1st is spiral.
3960	F406	Group superposed.
	F407	Group superposed.
3966	F147	In a supercluster.
3968	F346	Group superposed n.
3969	F290	ELONGATED AND SUPERPOSED ON CLUSTER TO S-E.
3970	F290	SOMEWHAT CENTRALLY CONDENSED, OTHERWISE SCATTERED.
	F291	LOOSELY SCATTERED.
3971	F147	In a supercluster. Two concentrations.
3972	F290	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED. SUPERPOSED ON NEIGHBORING CLUSTER.
	F291	1st HAS VERY FAINT CORONA. FAIRLY SYMMETRIC AND CENTRALLY CONDENSED.
3975	F147	Two concentrations.
3976	F148	In a supercluster.
3977	F346	1st is spiral.
3980	F470	1st HAS FAINT CORONA. NW OF SAO 191733 AND FOREGROUND GALAXY.
	F469	1st IS ELONGATED WITH FAINT CORONA. NW OF SAO 191733 AND FOREGROUND GALAXY.
3984	F347	Three concentrations. Two clusters seen in projection?
3985	F535	1st IS FOREGROUND FACE-ON SPIRAL.
3986	F049	1st HAS FAINT CORONA. SLIGHTLY CENTRALLY CONDENSED.
3987	F239	1st and 3rd are spind'es.
3988	F049	CONCENTRATED TOWARD EDGE.
3989	F407	1st in foreground?
3990	F110	1st has corona.
3992	F049	1st IS S0(?). MORPHOLOGICALLY DIVERSE AND PART OF A LARGE CLOUD OF FAINT GALAXIES.
3993	F239	Two concentrations, group superposed.
3994	F110	Group superposed p. 1st is spiral.
3995	F077	Several pretty bright stars superposed.
3996	F604	Group superposed. 1st in foreground? 2nd m = 17.7.
3997	F536	TWO SLIGHT CONCENTRATIONS.
3998	F291	1st HAS EXTENDED CORONA (cD).
4000	F347	Group superposed.
4004	F347	Scattered.
4005	F191	Cloud superposed.
	F192	1st & 2nd PROBABLY FOREGROUND. 3rd HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
4006	F148	Scattered.
4007	F077	Group superposed? 1st in foreground?
4008	F347	= RPO46.
4009	F470	1st HAS FAINT CORONA.
4010	F408	1st has corona.
4011	F408	Group superposed. Scattered.
4012	F408	Nearby cluster superposed s.
4013	F408	Group superposed. 1st has corona.
4014	F536	1st HAS FAINT CORONA AND IS OFF CENTER.
4015	F347	Group superposed. Scattered.

TABLE 7A—*Continued*

Abell	Field	Notes
	F408	Group superposed s. 1st has corona. 3rd is spiral.
4017	F110	Group superposed?
4018	F192	1st, 2nd, & 3rd ARE ELLIPTICALS. LATTER TWO HAVE VERY FAINT CORONAE. SOMEWHAT SCATTERED.
	F240	LOOSELY SCATTERED, SOMEWHAT ELONGATED.
4019	F148	3rd is double or has star superposed. Two concentrations.
4020	F077	= RPO47.
4021	F347	Scattered. Group superposed.
4022	F240	SCATTERED.
4023	F002	1st HAS VERY FAINT CORONA. SOMEWHAT ELONGATED.
	F011	SOMEWHAT SCATTERED.
4025	F240	LOOSELY SCATTERED.
4026	F347	Two concentrations.
4027	F192	VERY COMPACT GROUP AT CENTER.
4029	F348	Group superposed f.
4030	F240	1st IS SPIRAL AT EDGE (FOREGROUND?).
4032	F606	1st HAS CORONA. SOMEWHAT BRANCHED.
4033	F078	LOOSELY SCATTERED.
4034	F192	1st HAS FAINT CORONA. SOMEWHAT LINEARLY CONDENSED.
4035	F408	Group superposed. Confused area; Two clusters seen in projection?
4036	F078	1st IS S0 (FOREGROUND?). SOMEWHAT CENTRALLY CONDENSED.
4038	F409	1st HAS CORONA. NEAR W PLATE EDGE; COUNT LOW.
	F471	cD has low surface brightness. = RPO49.
4039	F408	1st has corona.
4041	F409	1st HAS CORONA. TWO CONCENTRATIONS.
4043	F409	SCATTERED.
4044	F409	FAIRLY SCATTERED.
	F472	1st POSSIBLY FOREGROUND (SOMEWHAT IRREGULAR AND PECULIAR). 3rd HAS FAINT CORONA.
4045	F606	1st HAS CORONA.
4046	F348	Group superposed.
4048	F348	Group superposed?
4049	F409	1st HAS CORONA (cD).
	F471	1st in foreground? Part of A4038?
4050	F110	3rd is spiral.
4051	F078	1st HAS FAINT CORONA. SCATTERED.
4052	F012	1st MAY BE FOREGROUND ELLIPTICAL. 3rd HAS EXTENDED ENVELOPE. SCATTERED.
4053	F409	3rd HAS CORONA. MORPHOLOGICALLY DIVERSE.
	F471	Three bright galaxies superposed n.
	F537	1st HAS CORONA. NEAR S PLATE EDGE; COUNT LOW?
4054	F409	1st HAS FAINT CORONA.
4055	F538	1st in foreground? 2nd m = 17.6. In a supercluster with A2680.
4057	F012	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
4058	F293	1st is foreground Sb pec.
	F348	Group superposed. Plate edge.
	F349	Peculiar spiral superposed.
4059	F349	1st has corona.
4060	F050	1st IS NEARLY EDGE-ON (FOREGROUND?) SPIRAL. SOMEWHAT SCATTERED.
4061	F472	SOMEWHAT SCATTERED.
4062	F078	1st HAS FAINT CORONA. SOMEWHAT OVAL.
4063	F409	SCATTERED.
4065	F606	1st IS SPINDLE. SOMEWHAT ASYMMETRIC.
4067	F111	Group superposed.
4068	F348	1st is spiral.
4069	F538	1st HAS FAINT CORONA. SCATTERED.
4070	F409	1st HAS FAINT CORONA.
4071	F409	SOMEWHAT SCATTERED.
	F471	3 - 4 concentrations. In a supercluster.
4072	F538	1st IS LENTICULAR. SOMEWHAT ELONGATED.
4073	F241	Group superposed. Part of A4075?
4074	F349	Group superposed f. 3rd is spiral.
4075	F241	1st has corona. Part of A4073?
	F292	1st HAS FAINT CORONA. RELATIVELY COMPACT.

TABLE 7B

NOTES FOR TABLE 5

Abell	Field	Notes
S0001	F409	1st HAS CORONA (cD). FOREGROUND GALAXIES AND NEARBY CLUSTER TO NE.
S0002	F409	DOMINATED BY BRIGHT ELLIPTICALS. BRIGHT STAR OBSCURES SOME MEMBERS.
S0003	F409	1st HAS CORONA, 3rd IS SPINDLE.
S0004	F050	1st HAS FAINT CORONA (cD?); 3rd IS SPINDLE. SCATTERED.
S0005	F292	SCATTERED, MORPHOLOGICALLY DIVERSE. NEAR Q:3-E CALIBRATION CUTOUT, COUNT SOMEWHAT LOW.
S0006	F409	1st HAS CORONA (cD). 2nd IS SPIRAL. MORPHOLOGICALLY DIVERSE. NEARBY CLUSTER SUPERPOSED.
S0008	F050	1st HAS FAINT CORONA (cD?), DISPLACED FROM CENTER; 2nd IS SPINDLE; 3rd IS SPIRAL.
	F078	1st HAS CORONA (cD?); 2nd IS SPINDLE; 3rd IS SPIRAL. BRIGHTEST ARE LENTICULARS AND SPIRALS.
S0009	F292	1st HAS FAINT CORONA, 3rd IS SPINDLE.
S0010	F409	1st HAS CORONA.
S0011	F293	1st MAY HAVE EXTREMELY FAINT CORONA.
S0012	F349	1st has corona. 3rd is spiral. Two clusters seen in projection? = RPO3.
S0013	F193	1st is spiral.
S0014	F193	Group superposed.
S0015	F539	1st HAS CORONA; 3rd IS S0.
S0016	F149	Group superposed. Scattered.
S0017	F293	2nd IS SPIRAL.
S0018	F078	SCATTERED.
S0019	F050	1st IS SPIRAL; 3rd IS SPINDLE. SCATTERED.
S0020	F050	BRIGHTEST FORM COMPACT GROUP, PRIMARILY ELLIPTICALS. OTHERWISE SCATTERED.
S0021	F002	1st IS SPIRAL. MORPHOLOGICALLY DIVERSE AND ELONGATED.
S0022	F241	Group superposed nf.
S0023	F078	1st IS LENTICULAR. PART OF A GREAT CLOUD OF FAINT GALAXIES.
S0024	F050	1st IS PROBABLY FOREGROUND SPINDLE. IN A LARGE CLOUD OF FAINT, SCATTERED GALAXIES.
S0025	F078	2nd HAS VERY FAINT CORONA. IN A GREAT CLOUD OF FAINT, LOOSELY SCATTERED GALAXIES.
	F079	IN AN EXTENDED LARGE CLOUD OF FAINT GALAXIES.
S0026	F539	3rd HAS FAINT CORONA. WINDMILL-SHAPED.
S0027	F050	1st HAS VERY FAINT CORONA; 3rd IS CLOSE PAIR IN COMMON ENVELOPE. SOMEWHAT ELONGATED.
S0028	F539	WIDELY SCATTERED.
S0029	F050	BRIGHTEST MEMBERS TEND TOWARDS EDGE OF CLUSTER; MOSTLY ELLIPTICALS.
S0030	F012	1st HAS CORONA; 2nd IS FACE-ON SPIRAL. SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
	F013	1st HAS CORONA. SOMEWHAT CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
S0031	F050	1st IS LENTICULAR. SOMEWHAT COMPACT.
S0032	F294	1st IS FOREGROUND S(r). SCATTERED.
S0033	F078	1st IS SPINDLE. SCATTERED. IN A LARGE CLOUD.
	F079	1st IS SPINDLE. IN A LARGE CLOUD.
S0034	F050	COMPACT, CENTRALLY CONDENSED.
S0035	F294	MORPHOLOGICALLY DIVERSE.
S0036	F294	1st IS FOREGROUND S0. SCATTERED.
S0037	F242	1st HAS CORONA (cD). SOME EVIDENCE OF CLUSTERING IN Q:1 N-NW.
	F294	1st HAS CORONA.
S0038	F294	1st HAS FAINT EXTENDED CORONA. SCATTERED.
S0039	F539	TWO CONCENTRATIONS.
S0040	F294	3rd HAS FAINT CORONA AND IS LOCATED IN CENTER OF CLUSTER.
S0041	F350	1st has corona. Core-halo structure. = RPO6.
S0042	F078	1st HAS FAINT CORONA; 2nd IS LENTICULAR. SCATTERED.
	F079	1st HAS FAINT CORONA; 2nd IS SPINDLE. SCATTERED.
S0043	F539	SCATTERED.
S0044	F410	Two concentrations.
S0045	F150	SOMEWHAT ELONGATED.
S0046	F294	SCATTERED. 1st IS FOREGROUND SPIRAL NEAR N EDGE OF CLUSTER.
S0047	F150	1st IS SPINDLE. NEAR Q:1-N PLATE EDGE, COUNT SOMEWHAT LOW.
S0048	F150	1st PROBABLY FOREGROUND SPIRAL(?). LOOSELY SCATTERED.
S0049	F150	1st HAS FAINT CORONA. SCATTERED.
S0050	F194	Group superposed.
S0051	F294	1st HAS FAINT CORONA. NEAR N-PLATE EDGE JUST W OF N FIDUCIAL MARK. COUNT LOW.
S0052	F150	SOMEWHAT SCATTERED.
S0053	F242	1st & 2nd ARE CLOSE PAIR OF ELLIPTICALS.
S0054	F194	Group superposed.
S0055	F150	1st HAS FAINT CORONA, 3rd IS SPIRAL. LOOSELY SCATTERED. Superposed on AS54.
S0056	F078	1st IS SPIRAL (FOREGROUND?). BRIGHTEST MEMBERS ARE ELLIPTICALS. CONCENTRATIONS TO EAST.
	F079	1st IS FOREGROUND(?) SPIRAL. ELLIPTICALS DOMINATE BRIGHTEST. CONCENTRATION AT EASTERN EDGE.
S0057	F078	LOOSELY SCATTERED, AT THE EDGE OF A LARGE CLOUD.
	F079	SCATTERED. AT EDGE OF LARGE CLOUD.
S0058	F050	1st HAS CORONA (cD). APPEARS SUPERPOSED ON A LARGE, CLOUD OF FAINT GALAXIES (IN Q:1).
	F051	1st HAS FAINT CORONA. S-E OF CLOUD OF FAINT GALAXIES; SOME SUPERPOSITION.
S0059	F242	1st HAS CORONA.
S0060	F540	np of two.
S0061	F294	3rd HAS FAINT CORONA. LOOSELY SCATTERED.
S0062	F194	Group superposed.
S0063	F150	1st IS SUPERPOSED SPIRAL. LOOSELY SCATTERED.
S0064	F295	1st HAS CORONA; 2nd & 3rd ARE SPIRALS.
S0065	F079	SOMEWHAT CENTRALLY CONDENSED.
S0066	F150	SCATTERED BUT WITH SOME CONCENTRATIONS.
S0067	F243	Near plate edge.
S0068	F411	1st PROBABLY FOREGROUND. SOMEWHAT SYMMETRICAL.
	F474	Group nf.
S0069	F295	1st HAS CORONA. SCATTERED. SUPERPOSED ON COMPACT CLUSTER TO SE.
S0070	F411	1st IS E(?). SCATTERED, Q:3 CONCENTRATION, AND SUPERPOSED IN Q:1 ON RICH CLUSTER.
S0071	F295	3rd HAS FAINT CORONA. COMPACT. 1st & 2nd POSSIBLY FOREGROUND.
S0072	F351	1st IS S0. SOMEWHAT ELONGATED. FOREGROUND S0 SUPERPOSED.
S0073	F295	1st HAS CORONA AND SUPERPOSED COMAPNION. SCATTERED.
S0074	F195	3rd HAS FAINT CORONA. LOOSELY SCATTERED. SUPERPOSED ON FAINT CLUSTER(?).
S0075	F051	1st HAS VERY FAINT CORONA. DENSEST PART OF A LARGE, MEANDERING CLOUD OF FAINT GALAXIES.
S0076	F150	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED. SEVERAL BRIGHT FOREGROUND GALAXIES IN FIELD.

TABLE 7B—*Continued*

Abell	Field	Notes
S0077	F150	1st & 3rd HAVE CORONAE.
S0078	F195	1st HAS CORONA (cD). SOMEWHAT CENTRALLY CONDENSED.
S0079	F079	1st IS S0. SLIGHTLY CENTRALLY CONDENSED.
S0081	F195	1st IS S0. LOOSELY SCATTERED.
S0082	F079	1st & 2nd ARE SPIRALS. SCATTERED.
S0083	F351	1st & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE. SOMEWHAT SOMEWHAT CONCENTRATED IN Q:1.
S0084	F411	1st HAS FAINT CORONA (cD?) AND IS SUPERPOSITION. SLIGHTLY CENTRALLY CONDENSED, SCATTERED.
S0085	F195	1st & 2nd ARE SPIRALS, 3rd IS SUPERPOSITION. SOMEWHAT SCATTERED WITH CONCENTRATIONS.
S0086	F195	1st HAS VERY FAINT CORONA AND IS SUPERPOSITION. BRIGHT FOREGROUND(?) SPIRAL SUPERPOSED.
S0087	F150	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S0088	F351	3rd IS SPIRAL (Sc). SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0089	F295	1st IS FOREGROUND S0. LOOSELY SCATTERED.
S0090	F295	IRREGULARLY SCATTERED.
S0092	F195	1st IS S0. LOOSELY SCATTERED WITH SOME FOREGROUND CONTAMINATION.
S0093	F150	1st HAS FAINT CORONA. SOMEWHAT SCATTERED.
S0095	F150	LOOSELY SCATTERED. SOME IRREGULAR CONCENTRATIONS.
S0096	F195	1st IS S0(?), POSSIBLY FOREGROUND. NEAR Q1:N PLATE EDGE, COUNT LOW. SUPERPOSED ON SEVERAL MORE DISTANT CLUSTERS & GROUPS.
S0097	F079	1st & 2nd HAVE CORONAE. CONCENTRATION IN Q:4.
S0098	F541	1st HAS FAINT CORONA.
S0099	F195	1st HAS FAINT CORONA. SEVERAL BRIGHT SPIRALS INCLUDED, ONE SUPERPOSED PAIR. SCATTERED.
S0100	F411	SCATTERED, BUT MORE CONCENTRATED IN Q:1 & Q:2.
S0101	F195	1st IS FLATTENED ELLIPTICAL, 2nd SPIRAL, 3rd ROUND ELLIPTICAL. SOME SUPERPOSITION WITH CLUSTER TO N.
S0102	F295	3rd HAS CORONA & COMPANIONS. CURIOUS LINEAR CONCENTRATION S-E OF CENTER.
	F351	1st IS SUPERPOSITION WITH CORONA; 2nd HAS CORONA. SCATTERED WITH CONCENTRATION IN Q:3.
S0103	F002	1st & 2nd HAVE FAINT CORONAE. LARGE MEMBERSHIP OF FAINT GALAXIES. SUPERPOSED ON CLOUD?
	F003	2nd HAS VERY FAINT CORONA; 1st IS OFF CENTER.
S0104	F013	1st HAS FAINT CORONA. SCATTERED.
S0105	F411	MORPHOLOGICALLY DIVERSE AND SCATTERED.
S0106	F295	SOMEWHAT DUMBBELL-SHAPED.
S0107	F002	1st & 2nd ARE FLATTENED ELLIPTICALS WITH CORONAE. 1st MAY BE FOREGROUND. SCATTERED.
	F003	1st & 2nd ARE FLATTENED ELLIPTICALS. SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
S0108	F411	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S0109	F411	1st HAS CORONA (S0?). MORPHOLOGICALLY DIVERSE AND SCATTERED.
S0110	F195	1st IS SPINDLE, 2nd IS BINARY. LOOSELY SCATTERED.
S0111	F243	Spiral superposed.
S0112	F051	1st HAS CORONA. CENTRALLY CONDENSED. NEAR Q:2-N EDGE, COUNT SOMEWHAT LOW.
	F079	1st, 2nd, & 3rd HAVE CORONAE. CENTRALLY CONDENSED ALTHOUGH SOMEWHAT IRREGULAR.
	F080	BRIGHTEST HAVE FAINT CORONAE. AT Q:4-W PLATE EDGE, COUNT LOW.
S0113	F295	3rd HAS CORONA. EVIDENCE OF SUBCLUSTERING TO N-E.
S0114	F412	SCATTERED.
S0115	F195	1st HAS CORONA (cD).
S0116	F195	1st IS BRIGHT SB(r). MEMBERS SCATTERED WITH SOME EVIDENCE OF SUBCLUSTERING.
S0117	F195	SCATTERED.
S0118	F541	1st HAS VERY FAINT CORONA AND CLOSE COMPANION. SOMEWHAT SCATTERED.
S0119	F412	IRREGULAR. 1st HAS FAINT CORONA.
S0120	F295	1st HAS FAINT CORONA. AT EXTREME Q:3-S EDGE OF PLATE, COUNT VERY LOW.
S0121	F243	Group superposed.
S0122	F295	1st & 2nd HAVE FAINT CORONAE.
S0123	F295	1st IS LENTICULAR (FOREGROUND?). CONCENTRATION TO S-W.
S0124	F195	LOOSELY SCATTERED. SOMEWHAT SPIRAL-RICH.
S0125	F195	3rd HAS FAINT CORONA. SEVERAL FOREGROUND SPIRALS.
S0126	F113	SCATTERED.
S0127	F295	3rd HAS FAINT CORONA. SCATTERED.
S0128	F013	1st HAS CORONA; 2nd IS SPIRAL. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0129	F195	1st HAS FAINT CORONA, 3rd IS SPIRAL. LOOSELY SCATTERED.
S0130	F195	1st IS SPIRAL; 3rd IS S(r). SCATTERED.
S0131	F051	SCATTERED.
S0132	F195	DUMBBELL-SHAPED.
S0133	F412	3rd HAS FAINT RING. SCATTERED.
S0134	F412	3rd HAS FAINT CORONA.
S0135	F195	SCATTERED.
S0136	F412	1st HAS FAINT CORONA.
S0137	F113	1st HAS CORONA (cD). BRIGHTEST MEMBERS ARE SPIRALS AND S0'S.
S0138	F541	1st & 2nd ARE INTERACTING SPIRALS; 3rd IS SB(r).
S0139	F412	1st HAS CORONA.
S0140	F195	1st IS FOREGROUND SBa. LOOSELY SCATTERED.
S0141	F412	1st HAS CORONA & POSSIBLE GLOBULARS; 2nd IS SB(?).
S0142	F195	1st IS BINARY. SOMEWHAT SPIRAL-RICH WITH SEVERAL CONCENTRATIONS.
S0143	F080	1st IS PROBABLY FOREGROUND SPINDLE. SCATTERED.
S0144	F296	1st & 3rd HAVE FAINT CORONAE. SUBCLUSTERING OR SUPERPOSITION TO NW.
S0146	F412	SCATTERED.
S0149	F195	LOOSELY SCATTERED.
S0150	F196	1st is spiral.
S0151	F412	1st HAS FAINT CORONA AND IS OFF CENTER.
	F413	1st HAS CORONA & COMPANION BUT IS OFF CENTER.
S0152	F196	Scattered. Group superposed n.
S0153	F113	1st & 2nd PROBABLY FOREGROUND SPIRALS.
S0154	F413	1st HAS CORONA.
S0156	F296	1st HAS FAINT CORONA.
S0157	F113	SOMEWHAT ELONGATED.
S0158	F013	1st HAS CORONA; 3rd IS SPINDLE. SOMEWHAT CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
S0159	F413	1st IS SB. SCATTERED IN SCATTERED BACKGROUND.
S0160	F353	1st HAS CORONA. SEVERAL CONCENTRATIONS OFF CENTER.
S0161	F113	1st HAS VERY FAINT CORONA. BRIGHTEST ARE MOSTLY ELLIPTICALS. SCATTERED.
S0162	F196	Spiral superposed. = RPO7.
S0163	F296	1st HAS FAINT CORONA. LOOSELY SCATTERED, MORPHOLOGICALLY DIVERSE.
S0164	F052	1st HAS CORONA (cD) AND IS DISPLACED FROM CENTER. SCATTERED.

TABLE 7B—*Continued*

Abell	Field	Notes
S0165	F353	1st HAS VERY FAINT CORONA. SCATTERED, NOT CENTRALLY CONDENSED.
S0166	F413	1st HAS FAINT CORONA, 2nd IS SB(r).
S0167	F353	1st HAS CORONA AND FAINT COMPANIONS.
S0168	F413	FOREGROUND CLUSTER SUPERPOSED? SOME SUPERPOSITION WITH FAINTER CLUSTERS NEARBY.
S0169	F080	LOOSELY SCATTERED, SOMEWHAT ELONGATED.
S0170	F113	1st IS LENTICULAR. BRIGHTEST ARE MORPHOLOGICALLY DIVERSE. LOOSELY SCATTERED.
	F114	1st IS LENTICULAR. SCATTERED.
S0171	F052	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S0172	F052	1st HAS FAINT CORONA; 3rd IS SAB(r). SCATTERED.
S0173	F244	Nearer cluster superposed?
S0174	F413	1st IS SBc.
S0176	F029	1st IS SPIRAL (FOREGROUND?); 3rd HAS CORONA. SCATTERED.
	F030	1st & 2nd ARE SPIRALS; 3rd HAS FAINT CORONA. SCATTERED.
S0177	F413	1st IS SUPERPOSITION. SOMEWHAT CENTRALLY CONDENSED.
S0178	F543	ELONGATED.
S0179	F543	SCATTERED. 1st PROBABLY FOREGROUND.
S0180	F245	1st HAS FAINT CORONA. NEAR Q:1-NNW CALIBRATION CUTOUT; COUNT SOMEWHAT LOW. = RPO8.
S0181	F543	SCATTERED AND SOMEWHAT DUMBBELL-SHAPED.
S0182	F353	SCATTERED.
S0183	F080	TWO BRIGHT FOREGROUND(?) SPIRALS IGNORED. SCATTERED.
	F114	2nd IS SPIRAL. LOOSELY SCATTERED.
S0184	F114	1st & 3rd HAVE VERY FAINT CORONAE. SOMEWHAT CENTRALLY CONDENSED.
S0185	F114	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S0186	F353	1st HAS FAINT CORONA. BRIGHTEST GALAXIES FORM CHAIN.
S0187	F197	1st IS S0. SCATTERED.
S0188	F152	Another cluster near np.
S0189	F413	1st HAS FAINT CORONA.
	F414	LOOSELY SCATTERED.
S0190	F543	SOMEWHAT Y-SHAPED WITH THREE CONCENTRATIONS.
S0191	F029	SCATTERED WITH THREE CONCENTRATIONS OF ELLIPTICALS.
	F030	BRIGHTEST ELLIPTICALS HAVE FAINT CORONAE. SCATTERED WITH THREE CONCENTRATIONS.
S0192	F297	Plate edge.
	F353	BRIGHTEST GALAXIES MAY BE FOREGROUND.
S0193	F413	SCATTERED.
	F414	SOMEWHAT DUMBBELL-SHAPED.
S0194	F080	1st IS ELONGATED WITH CORONA. BRIGHT FOREGROUND SPIRAL IGNORED. SCATTERED.
	F081	1st HAS FAINT CORONA. FOREGROUND SPIRAL IGNORED.
	F114	1st IS ELONGATED WITH CORONA (cD?). NEAR Q:4-S PLATE EDGE, COUNT LOW.
S0195	F152	1st in foreground group?
S0196	F080	1st IS E/S0.. LOOSELY SCATTERED.
	F081	LOOSELY SCATTERED.
	F114	1st IS ELONGATED WITH FAINT CORONA. SOMEWHAT LINEARLY CONDENSED.
S0198	F052	SCATTERED.
S0199	F543	1st IS S0 WITH EXTENDED ENVELOPE. WIDELY SCATTERED. NEAR Q:2-N PLATE EDGE, COUNT LOW.
S0200	F543	ELONGATED.
S0201	F245	SCATTERED. IN CLOUD OF FAINT GALAXIES.
S0202	F543	MORPHOLOGICALLY DIVERSE AND SPIRAL-RICH. SOMEWHAT SCATTERED WITH SEVERAL CONCENTRATIONS.
S0204	F197	SOMEWHAT ELONGATED.
S0205	F114	SCATTERED.
S0207	F543	SOMEWHAT ELONGATED.
S0208	F114	SCATTERED.
S0209	F013	1st HAS FAINT CORONA. SOMEWHAT SCATTERED WITH GROUP SUPERPOSED.
S0210	F081	1st HAS CORONA (cD). CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
S0211	F013	1st IS SPIRAL; 3rd IS LENTICULAR. SCATTERED AND SOMEWHAT SPIRAL-RICH.
	F014	1st IS LENTICULAR. SCATTERED & SOMEWHAT SPIRAL-RICH.
S0212	F081	1st & 3rd HAVE FAINT CORONAE.
S0214	F298	LOOSELY SCATTERED & MORPHOLOGICALLY DIVERSE. 1st PROBABLY FOREGROUND.
S0215	F298	1st IS ELLIPTICAL WITH VERY FAINT CORONA. LOOSELY SCATTERED. SUPERPOSED ON FAINTER CLUSTER.
S0216	F298	1st IS SPIRAL. MORPHOLOGICALLY DIVERSE & SCATTERED. NEAR CALIBRATION CUTOUT, COUNT SOMEWHAT LOW.
S0217	F245	1st & 2nd ARE PAIR IN COMMON(?) ENVELOPE. SAO 215739 (NEAR CENTER) PARTIALLY OBSCURES CLUSTER.
S0218	F197	1st HAS FAINT CORONA.
S0220	F354	Two concentrations.
S0221	F245	DUMBBELL-SHAPED CONCENTRATIONS. SUPERPOSITION OF TWO GROUPS?
S0222	F197	ELONGATED.
S0223	F298	1st HAS FAINT CORONA; 2nd MAY BE FOREGROUND FACE-ON SPIRAL. LOOSELY SCATTERED.
S0224	F245	SCATTERED. SOME CONCENTRATIONS OF FAINT GALAXIES.
	F246	SCATTERED, WITH CONCENTRATION AT EDGE.
S0225	F114	1st HAS VERY FAINT CORONA (cD?). SCATTERED. GROUPS NEARBY.
S0226	F415	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
S0227	F354	Scattered. Group superposed sf.
S0229	F298	1st IS FOREGROUND LENTICULAR. LOOSELY SCATTERED.
S0230	F197	LOOSELY SCATTERED, MORE CONCENTRATED TO EDGE.
S0231	F415	SCATTERED. 1st PROBABLY FOREGROUND.
S0232	F415	1st PROBABLY FOREGROUND SPIRAL. CONCENTRATIONS.
S0233	F354	Scattered. Group superposed.
S0234	F197	COMPACT. 1st IS (FOREGROUND?) SPINDLE.
	F198	1st IS FOREGROUND SPINDLE. SOMEWHAT CENTRALLY CONDENSED.
S0235	F354	Scattered. Group superposed?
	F355	1st has corona. Group superposed n. In a supercluster.
S0236	F052	1st HAS CORONA (cD). SOMEWHAT MORPHOLOGICALLY DIVERSE.
	F053	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE.
S0237	F355	Sbc and companions superposed. 1st has faint corona.
S0238	F415	1st IS SPINDLE. SEVERAL CONCENTRATIONS.
S0239	F197	1st HAS CORONA. SOME SUBCLUSTERING AND/OR SUPERPOSITION TO NE.
	F198	1st HAS CORONA (cD). SOME SUPERPOSITION WITH CLUSTER TO S-E.
S0240	F014	SCATTERED.
S0241	F081	1st HAS CORONA (cD). BRIGHTEST ARE SPIRALS.
S0242	F415	GROUP SUPERPOSED. DENSEST PART OF RAMBLING CLOUD OF GALAXIES.
S0243	F415	SCATTERED. NEARER GROUP SUPERPOSED.
S0244	F478	SCATTERED.
S0245	F415	SCATTERED.

TABLE 7B—*Continued*

Abell	Field	Notes
S0246	F415	1st HAS FAINT CORONA AND IS OFF-CENTER. SCATTERED AND SLIGHTLY SPIRAL-RICH.
S0247	F298	1st HAS FAINT CORONA. SUPERPOSED ON ANOTHER CLUSTER TO S-E.
S0248	F081	1st IS S0; 2nd & 3rd HAVE FAINT CORONAE.
	F115	1st HAS VERY FAINT CORONA. SCATTERED.
S0249	F355	1st is outlying.
S0250	F198	1st HAS FAINT CORONA. ELONGATED.
S0252	F246	1st PROBABLY FOREGROUND S0. APPEARS TO BE THE INTERSECTION IN A CHAIN OF GROUPS. OTHERS NEARBY.
S0253	F246	LOOSELY SCATTERED. LOCATED IN CHAIN OF GROUPS.
S0254	F081	1st & 2nd ARE SPIRALS. MORPHOLOGICALLY DIVERSE. SCATTERED.
S0255	F545	COMPACT.
S0256	F415	SOMEWHAT CENTRALLY CONDENSED.
S0257	F081	1st HAS FAINT CORONA; 3rd IS LENTICULAR. PART OF A LARGE DISTANT CLOUD.
S0258	F415	1st AND 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE AND SOMEWHAT ELONGATED.
S0259	F115	SLIGHTLY CENTRALLY CONDENSED.
S0260	F355	In a supercluster.
S0261	F081	1st & 2nd ARE FACE-ON SPIRALS. SCATTERED WITH SMALL CONCENTRATIONS.
S0262	F081	1st HAS CORONA (cD?). SCATTERED WITH SLIGHT CONCENTRATION TO SOUTH. SUPERPOSED ON MORE DISTANT CLUSTER.
S0263	F478	1st HAS CORONA; 3rd IS BARRED SPIRAL. NEAR E PLATE EDGE, COUNT LOW(?).
S0264	F355	Scattered, in a supercluster.
S0265	F545	1st & 2nd HAVE FAINT CORONAE.
S0266	F415	SCATTERED.
S0268	F545	1st IS SUPERPOSITION WITH 3rd. SOMEWHAT SCATTERED.
S0269	F545	SOMEWHAT ELONGATED.
S0270	F415	1st PROBABLY FOREGROUND. FAIRLY COMPACT.
S0271	F299	1st HAS FAINT CORONA. SOMEWHAT OVERLAPPING WITH CLUSTER TO N-E.
S0272	F246	SCATTERED. IN CLOUD OF FAINT GALAXIES.
	F299	BRIGHTEST GALAXIES SOMEWHAT CENTRALLY CONDENSED, BUT OTHERWISE SCATTERED.
S0273	F545	1st HAS FAINT CORONA. SCATTERED.
S0274	F115	1st HAS FAINT CORONA; 2nd IS SPIRAL WITH DUST LANE. SCATTERED.
S0275	F198	1st HAS CORONA. BRIGHTER MEMBERS ARE MOSTLY SPIRALS.
S0276	F014	1st IS LENTICULAR; 2nd & 3rd HAVE FAINT CORONAE. SOMEWHAT SCATTERED.
S0277	F198	MORPHOLOGICALLY DIVERSE, SCATTERED.
S0278	F355	Nearer cluster superposed. Confused field.
S0279	F299	1st IS SPIRAL, 3rd HAS FAINT CORONA. LOOSELY SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0280	F115	2nd HAS FAINT CORONA; 3rd IS LENTICULAR.
S0281	F299	SCATTERED.
S0282	F081	1st IS SPINDLE. SCATTERED WITH CONCENTRATION IN Q:2.
	F082	1st IS SPINDLE. LOOSELY SCATTERED.
S0283	F198	1st & 2nd ARE SPIRALS. LOOSELY SCATTERED WITH CONCENTRATION IN SW.
S0284	F115	SCATTERED.
S0285	F081	SCATTERED.
S0286	F246	PART OF A LARGER CLOUD.
	F247	1st IS FOREGROUND SPIRAL. PART OF A LOOSELY SCATTERED CLOUD OF FAINT GALAXIES.
S0287	F545	ELONGATED. 1st APPEARS TO BE SPIRAL(?).
S0288	F115	1st HAS VERY FAINT CORONA. SCATTERED.
S0289	F299	TWO CONCENTRATIONS, SOMEWHAT DUMBBELL-SHAPED. SUPERPOSITION OF TWO CLUSTERS?
S0290	F198	SCATTERED.
S0291	F416	1st HAS FAINT CORONA.
S0292	F198	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE AND SCATTERED.
	F199	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE.
S0293	F247	SCATTERED. COUNT CONTAMINATED BY BRIGHTER FOREGROUND GALAXIES?
S0294	F356	Group superposed. 1st has corona.
S0295	F154	Spiral superposed. Group superposed n.
S0296	F247	1st HAS CORONA (cD).
	F299	1st HAS CORONA (cD).
S0297	F247	1st HAS FAINT CORONA.
	F299	1st HAS CORONA. MORPHOLOGICALLY DIVERSE. SOMEWHAT SUPERPOSED ON CLUSTER TO S-SW.
S0300	F299	1st HAS CORONA. LOOSELY SCATTERED.
S0301	F416	1st HAS CORONA (cD) AND IS SUPERPOSITION. MORPHOLOGICALLY DIVERSE.
S0302	F356	1st and 3rd are spiral.
S0303	F053	1st HAS VERY FAINT CORONA AND IS SUPERPOSITION. MORPHOLOGICALLY DIVERSE AND SPIRAL-RICH.
S0304	F247	BRIGHT ELLIPTICAL WITH HALO & FAINT COMPANION SUPERPOSED.
S0306	F300	1st IS SBb. SOME EVIDENCE OF SUBCLUSTERING TO EAST OF CENTER.
S0307	F199	1st HAS FAINT CORONA; 2nd IS SPIRAL. LOOSELY SCATTERED.
S0308	F199	1st IS IRREGULAR SUPERPOSITION. 2nd HAS CORONA. SEVERAL SUPERPOSED (INTERACTING?) GALAXIES.
S0309	F116	DUMBBELL-SHAPED AND MORPHOLOGICALLY DIVERSE.
S0310	F199	1st IS (FOREGROUND?) SPINDLE. ELONGATED.
S0311	F082	1st HAS CORONA; 2nd IS LENTICULAR. SOMEWHAT LENTICULAR-RICH AND CENTRALLY CONDENSED.
S0312	F115	SOMEWHAT LINEARLY CONDENSED WITH TWO CONCENTRATIONS (SUPERPOSITIO OF TWO CLUSTERS?).
S0313	F199	ELONGATED.
S0314	F247	SCATTERED.
S0315	F199	1st HAS CORONA. LOOSELY SCATTERED.
S0316	F300	MORPHOLOGICALLY DIVERSE WITH CONCENTRATION N-NE. NEAR N PLATE EDGE, COUNT SOMEWHAT LOW.
	F356	Scattered. 1st is spindle.
	F357	Scattered. 1st is spindle. 3rd is peculiar. 10th is spiral.
S0317	F199	1st (FLATTENED ELLIPTICAL?) HAS FAINT CORONA. APPEARS SPIRAL-RICH.
S0318	F547	All galaxies out-of-focus, count uncertain.
S0319	F356	1st has corona.
S0320	F300	1st HAS FAINT CORONA. SEVERAL SUSPECTED FOREGROUND GALAXIES IGNORED.
S0321	F199	1st & 2nd ARE S0's. NEAR Q2:N PLATE EDGE, COUNT SOMEWHAT LOW. FACE-ON SPIRAL WITH JET(?) SE OF CENTER.
	F247	LOOSELY SCATTERED.
	F248	LOOSELY SCATTERED.
S0322	F 14	1st (cD) & 2nd HAVE CORONAE; 3rd IS SPIRAL.
S0323	F154	Near plate edge. Group superposed.
	F155	Group superposed.
S0324	F248	1st HAS CORONA; 3rd IS SPIRAL. SOMEWHAT DUMBBELL-SHAPED.
S0325	F199	1st HAS FAINT CORONA; 3rd IS SPIRAL. LOOSELY SCATTERED.

TABLE 7B—*Continued*

Abell	Field	Notes
S0326	F199	SOME EVIDENCE OF SUBCLUSTERING (OR SUPERPOSITION) AT WESTERN EDGE.
S0327	F031	1st & 2nd HAVE FAINT CORONAE. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0328	F199	1st HAS STAR SUPERPOSED. NEAR Q2:N PLATE EDGE, COUNT SOMEWHAT LOW.
	F248	2nd HAS FAINT CORONA AND IS LOCATED AT EDGE OF CLUSTER.
S0329	F199	1st HAS FAINT CORONA AND FAINT ELLIPTICAL COMPANION.
	F200	1st HAS FAINT CORONA. NEAR Q1:W PLATE EDGE, COUNT LOW.
S0330	F199	2nd HAS FAINT CORONA. PECULIAR INTERACTING(?) PAIR IN CLUSTER.
S0331	F054	1st IS BRIGHTER OF CLOSE PAIR; 3rd IS SPINDLE. SCATTERED.
S0332	F300	LOOSELY SCATTERED.
S0333	F417	3rd HAS FAINT CORONA.
S0334	F248	LOOSELY SCATTERED & MORPHOLOGICALLY DIVERSE. SUPERPOSITION WITH CLUSTERS NE & SW.
S0335	F248	MORPHOLOGICALLY DIVERSE AND LOOSELY SCATTERED.
S0336	F248	1st IS SPIRAL; 3rd HAS FAINT CORONA. SCATTERED, MORPHOLOGICALLY DIVERSE & SOMEWHAT SPIRAL-RICH.
S0337	F417	1st IS ELLIPTICAL WITH CORONA.
S0338	F200	SCATTERED AND SOMEWHAT ELONGATED.
S0339	F155	1st has very faint corona.
S0340	F481	1st IS E (SUPERPOSITION?). 3rd IS SB(rs). SCATTERED.
S0341	F199	1st HAS VERY FAINT CORONA. NEAR Q2:E PLATE EDGE, COUNT LOW.
	F200	1st HAS FAINT CORONA.
S0342	F248	1st IS LENTICULAR (FOREGROUND?).
S0343	F248	2nd IS SPIRAL; 3rd HAS FAINT CORONA. TWO CONCENTRATIONS.
S0344	F248	1st PROBABLY FOREGROUND AT EDGE OF CLUSTER BOUNDARY. SCATTERED WITH SOME CENTRAL CONCENTRATION.
S0345	F248	MORPHOLOGICALLY DIVERSE AND SOMEWHAT SPIRAL-RICH.
S0346	F200	1st HAS FAINT CORONA.
S0347	F418	Group superposed n.
S0348	F082	1st IS SPINDLE, 2nd IS SB. BRIGHTEST ARE MORPHOLOGICALLY DIVERSE.
	F083	1st IS SPINDLE; 2nd IS SB. CONCENTRATION AT W EDGE. ANOTHER CLUSTER SUPERPOSED?
S0349	F054	1st IS S0 (FOREGROUND?). SCATTERED, MORPHOLOGICALLY DIVERSE, AND SPIRAL-RICH.
S0350	F031	1st IS LENTICULAR. WIDELY SCATTERED.
S0351	F358	SCATTERED.
S0352	F358	SCATTERED.
S0353	F200	1st & 2nd ARE SPIRALS (FOREGROUND?). SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0354	F116	1st IS ELONGATED WITH EXTENDED CORONA. SPIRAL AND LENTICULAR-RICH.
	F117	1st IS ELONGATED WITH EXTENDED CORONA (cD?).
	F155	Plate edge. 1st has corona.
S0355	F083	1st HAS FAINT CORONA; 2nd & 3rd ARE SPIRALS. MORPHOLOGICALLY DIVERSE.
S0356	F248	1st & 2nd HAVE FAINT CORONAE.
	F249	1st HAS FAINT CORONA.
S0357	F481	1st HAS CORONA, 2nd IS SPIRAL. NEAR E PLATE EDGE, COUNT LOW(?).
S0358	F200	1st IS PROBABLY FOREGROUND. LOOSELY SCATTERED.
S0359	F548	LOOSELY SCATTERED.
S0360	F200	1st HAS FAINT CORONA AND SEVERAL VERY FAINT COMPANIONS.
S0361	F358	1st HAS CORONA.
S0362	F083	1st & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE AND CENTRALLY CONDENSED.
S0363	F358	SCATTERED.
S0364	F301	1st HAS FAINT CORONA. COUNT MAY BE CONTAMINATED BY CLUSTER TO N.
S0365	F301	1st HAS CORONA. SCATTERED.
S0366	F156	1st HAS VERY FAINT CORONA. MORPHOLOGICALLY DIVERSE WITH SUBCLUSTERING TO WEST.
S0367	F249	1st HAS FAINT CORONA. SPIRAL-RICH.
S0368	F358	1st IS ELONGATED AND WITH CORONA. SCATTERED.
S0369	F117	1st HAS FAINT CORONA. SCATTERED.
S0370	F358	1st HAS FAINT CORONA. NOT CENTRALLY CONDENSED.
S0371	F117	1st IS SPIRAL; 3rd HAS FAINT CORONA.
S0372	F156	1st HAS FAINT CORONA. NEARBY CLUSTERS SUPERPOSED.
S0373	F358	Fornax Cluster. 1st HAS CORONA AND GLOBULARS. OTHER ELLIPTICALS ALSO HAVE GLOBULARS.
S0374	F200	SOMEWHAT ELONGATED.
S0375	F200	1st HAS VERY FAINT CORONA.
S0376	F301	SCATTERED WITH SEVERAL PAIRS OF BRIGHT (FOREGROUND) INTERACTING GALAXIES SUPERPOSED.
S0377	F156	1st HAS CORONA (cD?). OVERLAPS TO WEST WITH ANOTHER.
S0378	F083	SCATTERED WITH CONCENTRATIONS IN Q:2 & Q:4. SOMEWHAT ELONGATED.
S0379	F548	1st HAS CORONA (cD?). SCATTERED.
S0380	F031	1st HAS FAINT CORONA (cD?). SOMEWHAT SCATTERED.
	F032	1st HAS CORONA. SCATTERED.
S0381	F083	1st HAS FAINT CORONA. SCATTERED.
	F117	1st HAS FAINT CORONA.
S0382	F083	1st IS FACE-ON SPIRAL (FOREGROUND?). SCATTERED.
S0383	F358	SCATTERED.
S0384	F302	3rd has corona. = RPO10.
S0385	F358	1st HAS CORONA. SEVERAL CONCENTRATIONS. NEAR N PLATE EDGE, COUNT LOW.
S0387	F117	STAR SUPERPOSED ON 1st; 3rd IN COMPACT GROUP. SCATTERED.
S0388	F359	Group superposed? 3rd is spiral.
S0389	F003	1st HAS DOUBLE NUCLEUS (COMPANION SUPERPOSED?); 2nd HAS FAINT CORONA. MANY FAINT MEMBERS IN Q:1/Q:2-N.
	F004	1st HAS COMPANION SUPERPOSED OR DOUBLE NUCLEUS; 2nd HAS VERY FAINT CORONA. MANY FAINT GALAXIES IN Q:1.
S0390	F156	1st HAS FAINT CORONA. SCATTERED.
S0391	F482	1st and 3rd in foreground?
S0392	F054	1st HAS VERY FAINT CORONA. PRETTY WIDELY SCATTERED.
S0393	F249	1st & 3rd HAVE CORONAE; 2nd IS FACE-ON SPIRAL.
S0395	F200	SOMEWHAT ELONGATED.
	F201	SOMEWHAT ELONGATED.
S0396	F083	SCATTERED; SOMEWHAT SPIRAL-RICH.
S0398	F249	1st IS ELLIPTICAL, 2nd IS SPIRAL, 3rd HAS FAINT CORONA. SCATTERED.
S0399	F156	2nd & 3rd HAVE FAINT ENVELOPES. SLIGHT CENTRAL CONCENTRATION. SEVERAL BRIGHT GROUPS NEARBY.
S0400	F359	Group superposed? 1st multiple.
S0401	F117	1st HAS VERY FAINT CORONA. SCATTERED.
S0402	F249	SLIGHTLY CENTRALLY CONDENSED AND DOMINATED BY A BRIGHT ELLIPTICAL WITHOUT APPARENT CORONA.
	F250	1st HAS VERY FAINT CORONA. SCATTERED. NEAR Q:1-W PLATE EDGE, COUNT LOW.
S0404	F156	1st HAS CORONA (cD). WIDELY SCATTERED WITH SUPERPOSITION OR SUBCLUSTERING.

TABLE 7B—*Continued*

Abell	Field	Notes
S0405	F003	1st HAS FAINT CORONA (cD?). MORPHOLOGICALLY DIVERSE AND SOMEWHAT SCATTERED.
	F004	1st HAS FAINT CORONA (cD?). MORPHOLOGICALLY DIVERSE AND SCATTERED.
	F014	1st HAS CORONA. SOMEWHAT MORPHOLOGICALLY DIVERSE.
	F015	1st HAS CORONA.
S0406	F083	SCATTERED. MORPHOLOGICALLY DIVERSE.
S0407	F201	SOMEWHAT DUMBBELL-SHAPED.
S0408	F084	1st and 3rd are spiral. Plate edge.
	F117	1st IS SPINDLE. SOMEWHAT CENTRALLY CONDENSED.
S0409	F055	3rd HAS FAINT CORONA. SCATTERED.
S0410	F117	1st HAS CORONA. SCATTERED. BRIGHTEST MEMBERS ARE SPIRALS AND S0'S.
S0411	F083	1st HAS CORONA; 3rd IS LENTICULAR. BRIGHTEST MEMBERS ARE SPIRALS.
S0412	F117	1st HAS VERY FAINT CORONA. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0413	F083	1st IS SPIRAL. BRIGHTEST ARE SPIRALS AND LENTICULARS. SCATTERED.
S0415	F117	1st & 3rd HAVE CORONAE. 2nd IS S0. SCATTERED.
S0416	F250	1st HAS FAINT CORONA AND CLOSE COMPANION. SCATTERED.
S0417	F083	1st IS SPINDLE. SCATTERED AND SLIGHTLY LENTICULAR-RICH.
S0418	F302	1st and 3rd are spiral. = RPO11.
	F303	Plate edge.
S0419	F201	1st IS PROBABLY FOREGROUND ELLIPTICAL. SOMEWHAT CENTRALLY CONDENSED.
S0420	F250	1st HAS FAINT CORONA, 2nd IS LENS. SERPENTINE APPEARANCE.
S0421	F420	SLIGHTLY CENTRALLY CONDENSED.
S0423	F250	SCATTERED; IN A SCATTERED CLOUD OF GALAXIES.
S0424	F250	1st HAS FAINT CORONA; 2nd IS SPIRAL. SCATTERED.
S0425	F117	1st HAS FAINT CORONA. NEARER CLUSTER SUPERPOSED TO N-E.
S0426	F117	1st IS ELONGATED WITH CORONA.
S0427	F550	Very compact.
S0428	F032	1st IS SPINDLE; 2nd IN BRIGHT GROUP. SCATTERED.
S0429	F117	LOOSELY SCATTERED BRIGHT ELLIPTICALS.
S0430	F118	Two groups superposed.
S0431	F201	LOOSELY SCATTERED. FOREGROUND SPIRAL SUPERPOSED.
S0432	F055	1st IS FACE-ON SPIRAL; 3rd IS SPINDLE. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0433	F201	1st HAS CORONA. BRIGHTER MEMBERS MOSTLY SPIRALS.
	F202	1st HAS CORONA. SPIRAL-RICH.
S0434	F250	SCATTERED, IN A CLOUD.
S0435	F550	1st in foreground? 2nd m = 19.2.
S0436	F250	1st HAS VERY FAINT CORONA. SCATTERED.
S0437	F250	1st & 2nd ARE SPIRALS. WIDELY SCATTERED.
S0438	F250	1st IS SPINDLE. ELONGATED. BRIGHTER GROUP SUPERPOSED. PART OF A CLOUD.
S0439	F550	2nd cluster 15' f (obscured by bright star) in same supercluster.
S0440	F420	1st HAS FAINT CORONA. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0442	F201	1st HAS FAINT CORONA AND CLOSE COMPANION. NEAR Q3:E PLATE EDGE, SOUTH OF CALIBRATION CUTOUT; COUNT SOMEWHAT LOW.
	F202	1st HAS FAINT CORONA AND CLOSE, FAINT COMPANION.
S0443	F550	Nearer group superposed f.
S0444	F250	SLIGHTLY CENTRALLY CONDENSED. BRIGHTER GROUP SUPERPOSED.
S0445	F032	1st IS DISTORTED SPIRAL. MORPHOLOGICALLY DIVERSE.
S0446	F250	1st HAS CORONA(cD?). SOMEWHAT SCATTERED.
S0447	F420	SCATTERED.
S0448	F360	1st HAS FAINT CORONA. SCATTERED.
S0449	F420	1st HAS CORONA. QUITE SCATTERED AND MORPHOLOGICALLY DIVERSE.
	F421	1st HAS CORONA. NEAR W-NW PLATE EDGE, COUNT LOW.
S0450	F055	1st HAS FAINT CORONA. TWO BRIGHT CONCENTRATIONS.
S0452	F420	ELONGATED WITH BRIGHTEST MEMBERS SOMEWHAT CENTRALLY CONDENSED.
	F421	1st IS SUPERPOSITION.
S0453	F360	1st HAS FAINT CORONA WITH FAINT COMPANION SUPERPOSED.
S0454	F250	2nd & 3rd HAVE FAINT CORONAE. SCATTERED.
S0455	F202	1st IS ELONGATED WITH FAINT CORONA.
S0456	F250	COMPACT.
S0457	F202	1st APPEARS TO BE SUPERPOSITION WITH FAINT PLUME. SOMEWHAT SCATTERED.
S0458	F420	SCATTERED AND MORPHOLOGICALLY DIVERSE. MAY BE SUPERPOSED ON FAINTER CLUSTER.
	F421	3rd HAS FAINT CORONA.
S0459	F421	1st IS SPINDLE.
S0461	F202	1st & 2nd (SPIRALS) PROBABLY FOREGROUND. 3rd HAS CORONA. LOOSELY SCATTERED.
S0462	F360	1st HAS FAINT CORONA. SCATTERED.
S0463	F157	1st IS ELONGATED WITH CORONA; 2nd IS SPIRAL; 3rd HAS CORONA. MORPHOLOGICALLY DIVERSE.
S0464	F360	1st HAS CORONA. SCATTERED. SUPERPOSED ON CLUSTER TO E-SE.
S0465	F421	1st IS ELLIPTICAL(?) WITH CORONA.
S0466	F421	3rd HAS FAINT CORONA. 1st & 2nd PROBABLY FOREGROUND.
S0467	F055	1st & 2nd HAVE FAINT CORONAE. SCATTERED. NEAR Q:2-N PLATE EDGE, COUNT SLIGHTLY LOW.
S0468	F251	1st HAS FAINT CORONA. CLUSTER CENTERED ON 3rd.
S0469	F551	1st & 2nd MAY BE FOREGROUND. SCATTERED.
S0470	F421	MORPHOLOGICALLY DIVERSE AND SCATTERED.
S0471	F421	1st & 2nd HAVE CORONAE, 3rd IS SB(r).
S0472	F361	1st & 2nd ARE SPIRALS, 3rd IS SPINDLE.
S0473	F551	1st HAS CORONA (cD?). WIDELY SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0474	F551	SCATTERED. SUPERPOSED ON DISTANT CLUSTER IN Q:3.
S0475	F202	1st IS (FOREGROUND?) SPIRAL; 2nd & 4th HAVE CORONAE.
S0476	F304	1st IS SB(r)b (FOREGROUND?). MORPHOLOGICALLY DIVERSE.
S0477	F202	1st IS (FOREGROUND?) S0. SCATTERED.
S0478	F421	1st HAS CORONA & SUPERPOSED COMPANIONS. SCATTERED.
S0479	F202	1st HAS CORONA (cD). LENTICULAR-RICH. SOMEWHAT SCATTERED.
S0480	F004	1st & 2nd HAVE VERY FAINT CORONAE.
	F005	SCATTERED. 1st & 3rd HAVE VERY FAINT CORONAE.
S0481	F421	1st IS SPIRAL (PROBABLY FOREGROUND); 2nd IS SUPERPOSITION.
S0483	F360	SCATTERED.
	F361	1st HAS FAINT CORONA. SCATTERED. LITTLE CENTRAL CONDENSATION.
S0484	F361	1st IS INTERACTING PAIR. 2nd & 3rd HAVE CORONAE.
S0485	F032	1st HAS CORONA (cD?). SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
S0486	F251	1st HAS FAINT CORONA. CONCENTRATION TO NE.
S0487	F251	1st HAS CORONA (cD). SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0488	F421	SCATTERED.
S0489	F361	1st HAS CORONA. SCATTERED AND SPIRAL-RICH.
S0490	F421	1st & 3rd HAVE FAINT CORONAE. SCATTERED. NEAR N PLATE EDGE, COUNT SOMEWHAT LOW?
S0491	F361	1st HAS FAINT CORONA, 3rd IS SB(r)bc. SEVERAL CONCENTRATIONS.
S0492	F551	1st & 2nd ARE SUPERPOSITIONS. SCATTERED. CONCENTRATION (OR

TABLE 7B—*Continued*

Abell	Field	Notes
		SUPEROSITION?) IN Q:3.
S0493	F551	WIDELY SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0494	F551	1st HAS FAINT CORONA (cD?). NEARER LOOSELY SCATTERED CLUSTER SUPERPOSED.
S0495	F202	1st HAS FAINT CORONA AND SUPERPOSED FAINT COMPANION. MORPHOLOGICALLY DIVERSE.
	F251	1st HAS FAINT CORONA AND FAINT COMPANION.
S0496	F361	SCATTERED. CENTER DOMINATED BY BRIGHT SPIRALS AND INTERACTING PAIRS.
S0497	F251	1st HAS CORONA (cD). LOOSELY SCATTERED, MORPHOLOGICALLY DIVERSE. INCLUDES DOUBLE RING SB(r).
S0498	F361	SCATTERED.
S0499	F421	2nd HAS CORONA.
S0500	F085	1st IS SPIRAL; 3rd IS ELLIPTICAL. SPIRAL-RICH. NEAR Q:1-W PLATE EDGE & CALIBRATION CUTOUT, COUNT LOW?
S0501	F202	1st IS PROBABLY FOREGROUND ELLIPTICAL. 2nd & 3rd ARE SPIRALS.
S0502	F304	1st HAS VERY FAINT CORONA. SCATTERED.
S0503	F203	1st is spiral.
S0504	F158	1st is spiral.
S0505	F251	1st HAS FAINT CORONA AND IS OFF-CENTER. NEAR Q:3-E PLATE EDGE AND CALIBRATION CUTOUT. COUNT LOW.
	F252	1st IS OFF-CENTER WITH CORONA. MORPHOLOGICALLY DIVERSE.
S0506	F486	Very compact.
S0507	F361	SCATTERED.
S0508	F305	FAIRLY SCATTERED. CONCENTRATION IN Q:1.
S0509	F305	SCATTERED.
S0510	F305	SCATTERED.
S0511	F085	1st IS EDGE-ON E'.LIPTICAL. SCATTERED.
S0512	F305	BRIGHTEST MEMBERS IN SOMEWHAT LINEAR DISTRIBUTION. MORPHOLOGICALLY DIVERSE.
S0513	F305	SCATTERED, MORPHOLOGICALLY DIVERSE.
S0514	F305	SCATTERED. 1st IS LENTICULAR. COUNT MAY BE CONTAMINATED BY FOREGROUND GROUP.
S0515	F305	1st, 2nd, & 3rd HAVE FAINT CORONAE. FOREGROUND SPIRAL IGNORED. DUMBBELL SHAPED.
S0516	F486	Compact.
S0517	F486	1st has corona.
S0518	F204	1st HAS VERY FAINT CORONA AND APPEARS TO BE SUPERPOSITION. SCATTERED.
S0519	F486	3rd has corona.
	F553	1st in foreground? 2nd m = 18.7. 3rd has corona.
S0520	F158	1st has corona.
S0521	F305	1st HAS FAINT CORONA. NEAR Q:2-N PLATE EDGE, COUNT SOMEWHAT LOW.
S0522	F159	1st HAS FAINT CORONA. SOMEWHAT ELONGATED. CONCENTRATION TO N-W.
S0523	F486	1st is spiral.
S0524	F120	1st & 2nd ARE INTERACTING SPIRALS. SPIRAL-RICH.
S0525	F204	SCATTERED.
S0526	F252	1st APPEARS TO HAVE VERY FAINT CORONA. FOREGROUND GALAXIES IGNORED.
S0527	F363	1st HAS CORONA.
	F423	1st HAS CORONA AND FAINT COMPANION.
S0528	F252	1st IS LENS. SOMEWHAT SPIRAL-RICH. = RPO12.
S0529	F159	1st HAS VERY FAINT CORONA. BRIGHTEST MEMBERS OFF CENTER.
S0530	F159	ELONGATED.
S0532	F204	1st HAS CORONA. WIDELY SCATTERED.
S0533	F204	1st HAS CORONA. SCATTERED.
S0534	F204	1st IS (FOREGROUND?) SPINDLE; 3rd HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE.
S0535	F363	1st IS FOREGROUND SPINDLE, 3rd IS BRIGHTER OF PAIR.
S0536	F423	1st HAS CORONA.
	F424	1st HAS CORONA (cD). NEAR W PLATE EDGE (Q-4), COUNT LOW?
S0537	F120	1st HAS CORONA (cD); 2nd IS SA(r).
S0538	F306	1st HAS FAINT CORONA. LENTICULAR-RICH. NEAR Q:4-S PLATE EDGE, COUNT SOMEWHAT LOW.
S0539	F306	1st & 2nd MAY HAVE FAINT CORONAE. SOMEWHAT ELONGATED.
S0540	F306	1st HAS EXTENDED AND ELONGATED CORONA. MORPHOLOGICALLY DIVERSE.
S0541	F120	1st HAS FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED WITH COMPACT GROUP AT NORTHERN EDGE.
S0542	F204	1st HAS CORONA (cD). BRIGHTER MEMBERS ARE MOSTLY SPIRALS. MORPHOLOGICALLY DIVERSE.
	F205	1st HAS CORONA (cD). BRIGHTEST CLUSTER MEMBERS ARE S & S0. MORPHOLOGICALLY DIVERSE.
S0543	F204	1st, 2nd, & 3rd ARE SPIRALS. SCATTERED.
	F205	1st & 2nd ARE SPIRALS. SCATTERED. NEAR Q1:N CALIBRATION CUTOUT, COUNT LOW.
S0544	F424	1st IS S0.
S0545	F363	1st IS LENTICULAR WITH CORONA. MORPHOLOGICALLY DIVERSE.
S0546	F364	1st IS FACE-ON SPIRAL. SPIRAL-RICH. PECULIAR PAIR (DUMBBELL) INCLUDED.
S0547	F204	1st HAS CORONA (cD). SEVERAL SPINDLES.
	F205	1st HAS CORONA (cD). BRIGHTEST CLUSTER MEMBERS ARE LENTICULARS.
	F254	1st HAS CORONA (cD); 3rd IS SPINDLE. S0-RICH.
S0548	F254	SOMEWHAT SPIRAL-RICH, MORPHOLOGICALLY DIVERSE. NEAR Q:1-W PLATE EDGE, COUNT SOMEWHAT LOW.
	F307	IN Q:4-SE CORNER, COUNT LOW.
S0549	F364	1st HAS CORONA. NEAR N(W) CALIBRATION CUTOUT, COUNT SOMEWHAT LOW.
	F424	1st HAS CORONA AND COMPANION.
S0550	F363	1st HAS CORONA, 3rd IS SPINDLE WITH CORONA.
	F364	1st HAS CORONA. SEVERAL CONCENTRATIONS.
S0551	F205	SCATTERED.
S0552	F120	1st IS LENTICULAR (FOREGROUND?); 3rd IS ELLIPTICAL. MORPHOLOGICALLY DIVERSE.
S0553	F307	SCATTERED.
S0554	F555	SCATTERED. 1st HAS FAINT CORONA (cD?).
S0555	F307	1st HAS ELONGATED CORONA.
	F364	1st HAS CORONA.
S0556	F254	3rd HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE.
S0557	F205	1st HAS FAINT CORONA. SCATTERED.
S0558	F120	1st, 2nd, & 3rd ARE SPIRALS. MORPHOLOGICALLY DIVERSE, SPIRAL-RICH.
S0559	F307	MORPHOLOGICALLY DIVERSE. 1st IS S0.
S0560	F120	1st HAS CORONA (cD); 2nd IS SB(r).
S0561	F120	1st HAS CORONA (cD?); 2nd & 3rd ARE SPIRALS. SOMEWHAT SPIRAL-RICH.
S0562	F425	2nd HAS ELONGATED CORONA. SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
S0563	F364	1st IS NEARLY FACE-ON SB(r).
S0564	F254	3rd HAS FAINT CORONA.
	F307	1st HAS CORONA AND FAINT CLOSE COMPANION.

TABLE 7B—*Continued*

Abell	Field	Notes
S0565	F205	SCATTERED.
S0566	F254	1st IS PAIR IN COMMON ENVELOPE; 3rd IS SB(r). MORPHOLOGICALLY DIVERSE.
S0567	F086	1st IS ELONGATED WITH CORONA (cD?). IN VERY DENSE STAR FIELD. COUNT CONTAMINATED BY FAINT STARS?
S0568	F425	1st HAS CORONA. SCATTERED.
S0569	F205	1st HAS CORONA (cD).
S0570	F364	1st HAS CORONA (FACE-ON SPIRAL?).
	F425	1st HAS CORONA AND KNOTTY ARC. SCATTERED.
S0571	F365	1st IS SUPERPOSITION OF TWO OR HAS DOUBLE NUCLEUS, 3rd IS SPIRAL. NEAR W PLATE EDGE, COUNT LOW.
S0572	F254	MORPHOLOGICALLY DIVERSE, SOMEWHAT SPIRAL-RICH.
S0573	F364	1st HAS CORONA. SOME OVERLAP WITH CLUSTER TO NW.
S0574	F254	1st IS CLOSE PAIR IN COMMON(?) ENVELOPE. MORPHOLOGICALLY DIVERSE, POSSIBLY WITH NEARER GROUPS SUPERPOSED.
S0575	F365	1st HAS CORONA. SPIRAL-RICH.
S0576	F254	SCATTERED AND DIVERSE, THIS MAY BE SUPERPOSITION OF TWO GROUPS.
S0577	F364	1st HAS FAINT CORONA.
S0578	F425	1st HAS CORONA. SCATTERED.
S0579	F308	1st HAS VERY FAINT CORONA.
S0580	F160	1st IS ELONGATED WITH CORONA (cD). AT Q2:N PLATE EDGE, COUNT LOW.
	F205	1st IS ELONGATED WITH CORONA (cD). BRIGHTEST MEMBERS ARE S0'S.
	F206	1st IS EDGE-ON ELLIPTICAL WITH EXTENDED CORONA. BRIGHTEST ARE LENTICULARS.
S0581	F489	1st & 2nd HAVE FAINT CORONAE. SOMEWHAT SCATTERED; BRIGHTEST OFF-CENTER.
S0582	F087	Group superposed.
S0583	F489	ELONGATED.
S0584	F160	1st IS ELONGATED WITH CORONA (cD).
S0585	F086	1st & 2nd HAVE FAINT CORONAE; 3rd IS SPINDLE. MORPHOLOGICALLY DIVERSE. AT Q:3-E PLATE EDGE, COUNT LOW.
S0587	F160	1st HAS FAINT CORONA (THICK SPINDLE).
S0588	F365	1st IS SOMBRERO, 3rd IS SBa. MORPHOLOGICALLY DIVERSE.
S0589	F365	1st HAS FAINT CORONA. IN DIFFRACTION RINGS OF SAO 196857 & 196861; COUNT LOW.
S0591	F365	1st IS SPIRAL, 3rd HAS CORONA.
S0592	F161	Group superposed. 3rd is spiral.
S0593	F308	1st HAS CORONA; 3rd HAS EXTENDED, ELONGATED CORONA.
S0594	F087	Group superposed np.
S0595	F366	1st HAS CORONA, 3rd IS SUPERPOSITION.
S0596	F366	FOREGROUND SPIRAL IN FIELD. JUST SOUTH OF SAO 197183.
S0597	F366	1st HAS FAINT CORONA. COUNT MAY BE SOMEWHAT LOW DUE TO RICH STAR FIELD.
S0598	F058	1st HAS FAINT CORONA; 2nd IS SUPERPOSITION. SCATTERED.
S0599	F162	1st HAS FAINT CORONA. SCATTERED. MEMBERS PRIMARILY ELLIPTICALS AND LENTICULARS.
S0601	F207	1st, 2nd, & 3rd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
S0602	F207	1st HAS VERY FAINT CORONA, 2nd IS SPIRAL. BRIGHTEST MEMBERS ARE MOSTLY SPIRAL.
S0603	F034	SCATTERED. BRIGHTEST ARE ELLIPTICALS.
	F035	SCATTERED. SLIGHT CONDENSATION NEAR BRIGHTEST ELLIPTICALS.
S0604	F208	1st IS FACE-ON EARLY SPIRAL; 3rd IS LATE SPIRAL.
S0605	F005	2nd HAS FAINT CORONA; 3rd IS IN CLOSE PAIR. ELONGATED (SE-NW) WITH SEVERAL CLOSE PAIRS.
	F006	1st HAS FAINT CORONA; 2nd IS IN CLOSE PAIR. MORPHOLOGICALLY DIVERSE.
S0606	F209	1st HAS CORONA, 2nd IS SPIRAL. S-W OF SAO 235635. NEAR Q4:S PLATE EDGE, COUNT LOW.
S0607	F005	1st HAS VERY FAINT CORONA. SCATTERED WITH A SLIGHT CONCENTRATION IN Q:1.
	F006	1st HAS FAINT CORONA. SCATTERED.
S0608	F124	1st APPEARS TO BE INTERACTING WITH CLOSE COMPANION.
S0609	F018	1st IS SB(r). SCATTERED.
S0610	F431	1st HAS CORONA.
S0611	F562	1st HAS FAINT CORONA. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0612	F562	SCATTERED.
S0613	F496	1st HAS FAINT CORONA.
S0614	F565	Group superposed sp.
S0615	F497	FAIRLY SCATTERED BUT MORPHOLOGICALLY DIVERSE. VERY FAINT RINGED GALAXY IS A MEMBER.
S0616	F498	Group superposed.
S0617	F565	1st has corona.
	F566	1st HAS CORONA (cD). SOMEWHAT CENTRALLY CONDENSED.
S0618	F434	1st HAS FAINT CORONA; 3rd IS SPIRAL. SOMEWHAT SCATTERED.
S0619	F434	Group superposed. Focus/seeing worse than average; counts uncertain.
S0620	F499	1st HAS CORONA.
S0621	F374	1st HAS FAINT CORONA. SCATTERED.
S0622	F374	1st HAS CORONA. NEAR S PLATE EDGE, COUNT LOW.
S0623	F566	1st HAS CORONA (cD?). SOMEWHAT SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0624	F316	1st IS SB(?). SCATTERED, BUT ONLY GROUPING IN THIS REGION.
S0625	F567	Group superposed nf.
S0626	F374	1st HAS CORONA. MANY FAINT GALAXIES WITH SOME CONCENTRATIONS.
S0627	F374	1st HAS FAINT CORONA. SCATTERED.
S0628	F316	1st HAS CORONA. ISOLATED.
S0629	F374	SCATTERED. 1st IS SPINDLE.
S0630	F374	1st HAS CORONA. MORPHOLOGICALLY DIVERSE.
S0631	F316	1st HAS CORONA AND FAINT SUPERPOSED COMPANION; 2nd IS SB(r).
S0632	F375	1st HAS FAINT CORONA. SCATTERED.
S0633	F375	1st IS ELONGATED WITH EXTENDED CORONA (cD?). MORPHOLOGICALLY DIVERSE AND SCATTERED.
S0636	F375	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE, SOMEWHAT ELONGATED.
S0638	F375	SOMEWHAT OVAL IN APPEARANCE. 1st IS SPIRAL(?).
	F375	1st spiral, in foreground?
S0639	F264	1st & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE AND SOMEWHAT SPIRAL-RICH.
S0640	F437	1st IS SPIRAL (FOREGROUND?); 3rd HAS FAINT CORONA. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0642	F214	1st IS SPIRAL. MORPHOLOGICALLY DIVERSE, SPIRAL-RICH.
S0643	F318	1st HAS CORONA(?); 2nd IS SB(r)b. MORPHOLOGICALLY DIVERSE.
S0645	F569	1st in foreground? 2nd m = 19.5.
S0646	F437	1st PROBABLY FOREGROUND. 2nd HAS CORONA. SCATTERED.
S0647	F376	1st IS THICK SPINDLE WITH FAINT CORONA.

TABLE 7B—*Continued*

Abell	Field	Notes
S0648	F318	1st HAS FAINT CORONA. RELATIVELY SPIRAL-RICH.
S0649	F502	1st HAS CORONA, 3rd IS FACE-ON SB(r)bc. TWO INTERACTING PAIRS.
S0650	F215	1st HAS FAINT CORONA; 2nd IS SUPERPOSITION. MORPHOLOGICALLY DIVERSE, SOMEWHAT SPIRAL-RICH.
	F265	1st HAS FAINT CORONA, 2nd IS SPIRAL, 3rd LENTICULAR. NEAR Q:4-S PLATE EDGE, COUNT SOMEWHAT LOW.
S0651	F502	1st & 3rd HAVE CORONAE AND SUPERPOSED FAINT COMPANIONS.
S0652	F377	1st HAS CORONA, 2nd IS EDGE-ON SPIRAL.
S0654	F265	1st HAS FAINT CORONA. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0655	F265	1st & 3rd ARE SUPERPOSITIONS (Sc?+E). SCATTERED.
S0657	F438•	3 - 4 concentrations.
S0658	F502	1st IS DIFFUSE SPINDLE.
S0660	F319	1st HAS FAINT CORONA. SCATTERED.
S0661	F319	1st HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE AND SOMEWHAT SPIRAL-RICH.
S0662	F438	Two concentrations.
S0663	F319	1st HAS CORONA.
S0664	F266	1st & 3rd HAVE FAINT CORONAE.
S0665	F377	1st HAS CORONA.
	F378	1st HAS CORONA, 2nd HAS CORONA AND FAINT SUPERPOSED COMPANION.
S0666	F503	1st HAS FAINT CORONA. SCATTERED.
S0667	F319	1st HAS FAINT CORONA. RELATIVELY SPIRAL-RICH.
S0668	F503	1st HAS FAINT CORONA. 2nd & 3rd ARE IN INTERACTING PAIRS.
S0669	F216	SOMEWHAT SPIRAL-RICH. SEVERAL CLOSE (INTERACTING?) PAIRS.
S0670	F266	1st HAS FAINT CORONA. SCATTERED.
S0671	F266	1st HAS CORONA. MORPHOLOGICALLY DIVERSE AND SOMEWHAT CENTRALLY CONDENSED.
S0672	F504	SCATTERED.
S0673	F266	1st HAS VERY FAINT CORONA AND IS LOCATED AT EDGE OF CLUSTER. 2nd HAS CORONA.
S0674	F439	SCATTERED.
	F440	SCATTERED.
S0675	F504	1st HAS CORONA, 2nd IS SB(r)b.
S0676	F378	1st IS LENTICULAR. SPIRAL-RICH.
S0677	F440	SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0678	F379	1st, 2nd, & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE.
S0679	F379	1st HAS CORONA. SPIRAL-RICH.
S0680	F440	3rd HAS FAINT CORONA. SOMEWHAT WINDMILL-SHAPED. SUPERPOSITION OF TWO CLUSTERS?
S0681	F266	1st HAS FAINT CORONA. SCATTERED.
	F267	1st HAS FAINT CORONA. SCATTERED.
S0682	F504	SCATTERED.
S0683	F440	1st HAS CORONA (FOREGROUND S0 IGNORED). APPEARS SUPERPOSED ON MORE DISTANT CLOUD.
S0684	F440	SCATTERED AND ELONGATED. PART OF A LARGER CLOUD?
S0685	F321	1st HAS VERY FAINT CORONA. SCATTERED BACKGROUND.
S0687	F440	1st HAS CORONA; 3rd HAS RING. SCATTERED AND MORPHOLOGICALLY DIVERSE.
	F505	1st IS SPIRAL, 2nd SB(r). 3rd HAS FAINT CORONA. NEAR S PLATE EDGE, COUNT LOW.
S0689	F267	1st HAS CORONA. FAIRLY MORPHOLOGICALLY DIVERSE.
S0690	F505	1st HAS FAINT CORONA. 2nd IS SUPERPOSITION. SUPERPOSED(?) WITH ANOTHER CLUSTER S-SW.
S0691	F441	1st & 3rd IN COMMON ENVELOPE.
S0692	F380	1st HAS CLOSE COMPANION.
S0693	F321	1st IS ELONGATED WITH CORONA. SOMEWHAT SPIRAL-RICH.
S0694	F321	SCATTERED. SEVERAL UNRESOLVED SPIRALS INCLUDED.
S0695	F321	1st & 2nd CLOSE AND OFF-CENTER; CENTERED ON 3rd.
S0696	F574	1st HAS FAINT CORONA. SCATTERED.
S0697	F380	1st HAS CORONA AND TWO COMPANIONS.
S0698	F506	1st HAS CORONA (cD? OR FOREGROUND?). SCATTERED AND SOMEWHAT BY SAO 180915.
S0699	F268	1st HAS CORONA.
S0700	F380	2nd HAS FAINT CORONA.
	F381	2nd HAS FAINT CORONA.
S0701	F380	1st HAS CORONA. SOMEWHAT SPIRAL-RICH.
	F381	1st HAS CORONA. SOMEWHAT SPIRAL-RICH.
S0702	F268	1st HAS CORONA (cD).
S0703	F380	2nd IS FACE-ON SPIRAL.
	F381	2nd IS FACE-ON SPIRAL.
S0704	F322	3rd is spiral.
S0705	F268	BRIGHTEST GALKAXIES ARE ELLIPTICALS. SCATTERED.
S0706	F381	IRREGULAR CLUSTER WITH CONCENTRATIONS.
S0707	F268	1st IS BRIGHT (FOREGROUND?) SPIRAL; 3rd IS LENTICULAR. SPIRAL-RICH.
S0708	F381	1st HAS FAINT CORONA.
S0709	F268	SOMEWHAT CENTRALLY CONDENSED.
S0710	F574	1st HAS FAINT CORONA. SCATTERED.
S0711	F575	1st & 2nd ARE SPINDLES. SCATTERED.
S0712	F268	1st HAS CORONA (cD). SCATTERED.
S0713	F507	1st HAS CORONA, 2nd IS SPIRAL.
	F575	1st HAS CORONA. SLIGHTLY CENTRALLY CONDENSED AND MORPHOLOGICALLY DIVERSE.
S0714	F507	FOREGROUND CLUSTER OR GROUP SUPERPOSED.
S0715	F507	SPIRAL-RICH.
S0716	F575	SCATTERED.
S0717	F507	2nd HAS CORONA, 3rd IS FACE-ON SPIRAL. NEAR PLATE EDGE, COUNT LOW.
S0718	F381	1st HAS CORONA. MORPHOLOGICALLY DIVERSE, SPIRAL-RICH.
S0719	F575	1st & 3rd HAVE FAINT CORONAE. SCATTERED.
S0720	F575	WIDELY SCATTERED.
S0721	F323	1st is peculiar. = RPO17.
	F381	1st IS INTERACTING, DISTORTED. NEAR S-E CORNER OF PLATE; COUNT LOW. = RPO17.
	F382	1st IS DISTORTED INTERACTING SYSTEM. = RPO17.
S0722	F575	1st HAS FAINT CORONA AND IS SUPERPOSITION. WIDELY SCATTERED.
S0723	F269	MORPHOLOGICALLY DIVERSE. NEARER GROUP TO N-E.
S0724	F382	SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0725	F443	10th is spiral. Group superposed.
	F444	1st HAS FAINT CORONA. NEAR WEST FIDUCIAL MARK.
S0726	F382	1st & 3rd HAVE CORONAE, 2nd IS SPIRAL.
S0727	F324	1st HAS CORONA. CLOSE QUARTET WITH (COMMON?) ENVELOPES INCLUDED.
S0728	F444	1st IS SPIRAL, 3rd HAS CORONA. NEAR N PLATE EDGE, COUNT LOW.
	F508	SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0729	F382	1st HAS CORONA. DOMINATED BY BRIGHT SPIRALS.
S0730	F508	1st HAS FAINT CORONA. SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
S0731	F382	1st HAS CORONA, 3rd IS LENTICULAR. MORPHOLOGICALLY DIVERSE.

TABLE 7B—*Continued*

Abell	Field	Notes
S0732	F508	SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0733	F324	1st IS SPINDLE; 2nd IS SPIRAL. NEAR Q:1-N PLATE EDGE, COUNT SOMEWHAT LOW.
	F382	1st HAS FAINT CORONA.
	F383	DOMINATED BY BRIGHT LENTICULARS.
S0734	F324	CENTER DOMINATED BY QUARTET OF BRIGHT ELLIPTICALS WITH (COMMON?) CORONAE.
S0735	F576	RATHER ELONGATED. CENTERED ON 1st. 1st & 2nd HAVE CORONAE.
	F577	ELONGATED. NEAR Q:4-W PLATE EDGE, COUNT LOW.
S0736	F444	1st HAS CORONA; POSSIBLY A FACE-ON SPIRAL.
S0737	F324	1st HAS CORONA. SCATTERED, MORPHOLOGICALLY DIVERSE.
S0738	F270	1st HAS FAINT CORONA. SOMEWHAT SCATTERED.
S0739	F383	1st, 2nd, & 3rd ARE LENTICULARS.
S0740	F325	1st HAS CORONA. SOMEWHAT SPIRAL-RICH.
	F383	1st HAS CORONA. NEAR Q:III S PLATE EDGE; COUNT LOW.
S0741	F577	SOMEWHAT SCATTERED. 1st HAS FAINT CORONA. PAIR IN COMMON ENVELOPE INCLUDED. BRIGHTEST ARE MORPHOLOGICALLY DIVERSE.
S0742	F383	1st HAS VERY FAINT CORONA; 2nd & 3rd ARE SPIRALS. BRIGHT (INTERACTING?) TRIPLET INCLUDED.
S0743	F325	1st IS SB(r); 3rd IS LENTICULAR. SPIRAL-RICH WITH TWO RINGED GALAXIES.
S0744	F383	1st HAS FAINT CORONA. NEAR N-EDGE OF PLATE, Q:II; COUNT LOW.
S0745	F383	1st APPEARS TO BE UNRESOLVED SPIRAL.
S0746	F383	1st IS LENTICULAR, 3rd HAS FAINT CORONA. SOME EVIDENCE OF SUB-CLUSTERING TO NE.
S0747	F383	2nd & 3rd HAVE FAINT CORONAE.
S0748	F383	1st & 2nd HAVE FAINT CORONAE. NEAR ID-CUTOUT; COUNT LOW.
S0749	F384	1st has corona. 3rd is spindle.
S0750	F325	2nd APPEARS TO BE PAIR IN COMMON(?) ENVELOPE.
S0751	F510	1st HAS FAINT CORONA.
S0752	F578	1st & 2nd ARE SPIRALS (FOREGROUND?); 3rd HAS FAINT CORONA.
S0753	F384	1st has corona. 3rd is spiral. = RPO18.
S0754	F325	1st & 3rd ARE ELONGATED WITH CORONAE.
S0755	F511	TWO CONCENTRATIONS; SOMEWHAT DUMBBELL-SHAPED.
S0756	F578	1st HAS CORONA (cD?). SCATTERED.
S0757	F384	1st is spiral. Scattered. = RPO19.
S0758	F384	1st and 2nd superposed? Core-halo structure. = RPO20.
S0759	F511	1st HAS VERY FAINT CORONA; 2nd & 3rd APPEAR TO BE SB's. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0760	F326	1st is spiral.
S0761	F511	ELONGATED AND MORPHOLOGICALLY DIVERSE.
S0763	F447	Plate edge.
S0764	F511	1st IS S0 WITH CLOSE COMPANION.
S0765	F385	SPIRAL-RICH.
S0767	F385	1st HAS CORONA, 2nd IS SPIRAL.
S0770	F327	1st & 3rd ARE SPINDLES. SPIRAL-RICH. PARTIALLY OBSCURED BY SAO 205839 TO N.
S0771	F327	1st HAS VERY FAINT CORONA; 2nd IS SPIRAL.
S0772	F327	1st IS ELONGATED WITH CORONA. SCATTERED.
S0773	F580	1st HAS CORONA.
S0774	F327	1st, 2nd, & 3rd HAVE CORONAE. SCATTERED.
S0775	F327	1st HAS CORONA AND FAINT LENTICULAR COMPANION. SOME OBSCURATION BY SAO 206037.
S0776	F327	1st & 2nd HAVE FAINT CORONAE. SCATTERED WITH SOME FOREGROUND GALAXIES SUPERPOSED.
S0778	F327	1st IS DISTORTED AND INTERACTING. NEAR Q:2-N PLATE EDGE, COUNT SOMEWHAT LOW.
	F386	1st IS INTERACTING, DISTORTED.
S0779	F386	3rd HAS FAINT CORONA.
S0780	F581	In a supercluster.
S0781	F581	In a supercluster.
S0783	F581	In a supercluster.
S0784	F582	SINGLE CONCENTRATION WITH OTHERS SCATTERED.
S0785	F008	BRIGHTEST ARE ELLIPTICALS CONCENTRATED NEAR CENTER. OTHERWISE, SCATTERED.
	F009	1st & 2nd ARE CLOSE PAIR OF ELLIPTICALS. SOMEWHAT SYMMETRICAL.
S0786	F515	1st APPEARS TO BE SUPERPOSITION. FAINT STARS MAY CONTAMINATE COUNT.
S0787	F009	1st, 2nd, & 3rd HAVE FAINT CORONAE. SCATTERED.
S0788	F009	1st IS ELONGATED E/S0. SLIGHTLY CENTRALLY CONDENSED.
S0789	F009	1st HAS FAINT CORONA. SCATTERED.
S0790	F586	COUNT LOW? OBSCURATION BY DUST. COUNT CONTAMINATED BY FAINT STARS.
S0792	F009	1st HAS FAINT CORONA (cD?). SOMEWHAT CENTRALLY CONDENSED.
	F023	1st HAS CORONA. SOMEWHAT CENTRALLY CONDENSED.
	F024	1st HAS CORONA. SOMEWHAT CENTRALLY CONDENSED.
S0793	F023	1st IS ELONGATED WITH CORONA; 2nd HAS CORONA. SOMEWHAT SPIRAL-RICH.
	F024	1st IS ELONGATED WITH CORONA. LENTICULAR-RICH.
S0794	F102	1st & 2nd ARE SPIRALS; 3rd IS DISTURBED (SUPERPOSITION?). SOMEWHAT CENTRALLY CONCENTRATED.
S0795	F044	1st IS SPINDLE, 2nd HAS EXTENDED CORONA. SCATTERED. LOCATED JUST N OF LARGE DUST & GAS CLOUD.
S0796	F044	1st IS SPINDLE, 2nd HAS CORONA. SCATTERED. MORPHOLOGICALLY DIVERSE.
S0797	F102	1st IS LENTICULAR; 2nd & 3rd HAVE FAINT CORONAE. SLIGHTLY CENTRALLY CONDENSED.
S0798	F024	1st IS SPINDLE. SCATTERED AND SOMEWHAT MORPHOLOGICALLY DIVERSE.
S0799	F071	1st and 3rd are spirals.
S0800	F024	1st HAS FAINT CORONA; 2nd IS SPIRAL. SCATTERED.
S0801	F230	1st IS FACE-ON SPIRAL; 3rd IS INTERACTING. SOMEWHAT SPIRAL-RICH.
S0802	F230	SCATTERED. 1st IS SPIRAL.
	F281	Two concentrations.
S0803	F071	Spiral superposed.
S0805	F103	1st HAS CORONA (cD). 10th IS SPINDLE. CENTRALLY CONDENSED, SPIRAL-RICH, AND MORPHOLOGICALLY DIVERSE.
	F104	1st HAS CORONA (cD). 10th IS SPINDLE. SPIRAL-RICH AND MORPHOLOGICALLY DIVERSE. NEAR PLATE EDGE; COUNT LOW?
S0806	F183	1st PROBABLY FOREGROUND LENTICULAR(?); 3rd HAS CORONA. SCATTERED CLUSTER IN DENSE STAR FIELD.
S0807	F010	SCATTERED.
S0808	F231	1st & 2nd HAVE CORONAE. MORPHOLOGICALLY DIVERSE, SOMEWHAT SPIRAL-RICH.
S0809	F025	SCATTERED WITH A FEW SPIRALS.
S0810	F045	1st IS SPINDLE; 3rd HAS FAINT CORONA. SCATTERED.
S0812	F397	1st HAS CORONA.
S0813	F142	Three concentrations. Group superposed.
S0814	F338	1st IS DOUBLE WITH CORONA. SCATTERED.
S0815	F232	1st is spiral.

TABLE 7B—*Continued*

Abell	Field	Notes
S0817	F232	Group superposed.
S0819	F142	Group superposed.
S0820	F338	1st & 2nd ARE CLOSE PAIR OF ELLIPTICALS IN COMMON ENVELOPE. SOMEWHAT SPIRAL-RICH.
S0822	F283	SCATTERED.
S0823	F185	LINEARLY CONDENSED. MORPHOLOGICALLY DIVERSE. A FEW FOREGROUND GALAXIES PRESENT.
S0824	F283	1st, 2nd, & 3rd HAVE FAINT ENVELOPES.
S0825	F010	1st HAS VERY FAINT CORONA; 2nd HAS EXTENDED ENVELOPE. SCATTERED.
S0826	F073	1st in foreground?
S0827	F283	1st HAS FAINT CORONA.
	F338	1st HAS FAINT CORONA. SCATTERED.
S0828	F185	SCATTERED, ELONGATED, AND QUITE MORPHOLOGICALLY DIVERSE. TWO BRIGHT FOREGROUND GALAXIES IGNORED.
S0829	F283	1st HAS CORONA.
S0831	F399	1st HAS FAINT CORONA, 2nd IS SPIRAL.
S0834	F399	SCATTERED. SOME OVERLAP WITH NEARBY RICH CLUSTER TO E-SE.
S0835	F185	1st (cD?) & 2nd HAVE CORONAE. ELONGATED AND MORPHOLOGICALLY DIVERSE.
S0836	F399	1st HAS CORONA AND POSSIBLE GLOBULAR CLUSTERS; 2nd IS SPIRAL. SPIRAL-RICH.
S0837	F010	3rd HAS EXTENDED ENVELOPE. SOMEWHAT ELONGATED AND SCATTERED.
	F011	3rd IS OVAL WITH EXTENDED ENVELOPE. SOMEWHAT ELONGATED.
S0839	F185	1st HAS CORONA (cD?). SLIGHTLY CENTRALLY CONDENSED AND QUITE MORPHOLOGICALLY DIVERSE.
S0840	F185	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE. 2nd HAS FLATTENED BULGE.
S0841	F105	Several concentrations. Counting aperture centered on largest concentration.
S0842	F339	Rich, scattered. Nearer cluster superposed sf.
S0844	F185	1st HAS CORONA (cD). SLIGHTLY CENTRALLY CONDENSED.
S0845	F185	WIDELY SCATTERED.
S0847	F461	Two concentrations.
S0848	F399	1st IS LENTICULAR. CONCENTRATION TO S-E.
S0849	F185	1st HAS CORONA (cD). SCATTERED AND MORPHOLOGICALLY DIVERSE.
	F186	1st HAS FAINT CORONA (cD). SOMEWHAT SPIRAL AND LENTICULAR-RICH.
S0850	F185	1st & 2nd HAVE FAINT CORONAE. SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0851	F233	1st [=N6868] HAS CORONA AND GLOBULAR CLUSTERS. 2nd [=N6861] AND 3rd [=N6851] ARE ELLIPTICALS.
S0852	F399	1st & 3rd HAVE CORONAE; 2nd IS SPIRAL.
S0853	F233	1st & 2nd ARE SPIRALS. SCATTERED.
S0854	F185	1st HAS CORONA (cD?), 2nd IS S0. ELONGATED WITH TWO CONCENTRATIONS (GOA has this as one cluster with A3667). MORPHOLOGICALLY DIVERSE.
S0855	F399	1st HAS FAINT CORONA. SCATTERED.
S0856	F105	Three concentrations.
S0857	F186	1st IS PROBABLY FOREGROUND SPIRAL. SCATTERED AND SOMEWHAT SPIRAL-RICH.
S0858	F596	FAIRLY SCATTERED. 1st HAS CORONA.
S0859	F143	1st HAS CORONA (cD). CONCENTRATION IN Q:4 TO SW.
S0860	F011	1st HAS CORONA (cD).
S0861	F186	1st IS S0 (FOREGROUND?); 2nd & 3rd HAVE FAINT CORONAE. SUPERPOSED ON FAINT CLUSTER TO S.
	F233	1st HAS VERY FAINT CORONA.
	F234	1st HAS VERY FAINT CORONA. EARLY FOREGROUND SPIRAL TO SW.
S0862	F026	SLIGHTLY CENTRALLY CONDENSED.
S0863	F340	1st HAS CLOSE COMAPNION (IN COMMON ENVELOPE?). MANY FAINT GALAXIES BELOW MAGNITUDE CUTOFF.
S0865	F400	1st HAS FAINT CORONA.
S0866	F233	1st IS ELONGATED WITH CORONA. MORPHOLOGICALLY DIVERSE. NEAR Q:2-E PLATE EDGE; COUNT LOW.
	F234	1st IS ELONGATED WITH EXTENDED CORONA.
S0867	F340	3rd IS SB(r). WIDELY SCATTERED.
S0868	F596	1ST IS cD WITH MULTIPLE NUCLEUS AND CORONA.
S0869	F143	1st & 2nd HAVE FAINT CORONAE.
S0870	F026	COMPACT, SOMEWHAT CENTRALLY CONDENSED.
S0871	F234	FAINT CLUSTER WITH TWO CONCENTRATIONS. SOMEWHAT DUMBBELL-SHAPED.
S0872	F047	1st HAS FAINT, SOMEWHAT EXTENDED CORONA. SCATTERED.
S0873	F400	1st HAS DOMINANT CORONA. BRIGHT Sc IN FOREGROUND. COUNT CONTAMINATED BY CLUSTERS E-NE & N.
S0875	F026	BRIGHTEST ARE SPIRALS. SCATTERED.
S0876	F234	BRIGHTEST GALAXIES ARE LINEARLY CONCENTRATED. MORPHOLOGICALLY DIVERSE.
S0877	F186	1st HAS CORONA (cD) BUT MAY BE FOREGROUND. FOREGROUND GROUP SUPERPOSED.
S0878	F234	2nd & 3rd HAVE FAINT CORONAE. LOOSELY SCATTERED.
S0879	F340	1st HAS CORONA AND FAINT COMPANIONS. 3rd HAS FAINT CORONA.
S0880	F143	1st HAS FAINT CORONA.
S0882	F285	1st HAS CORONA. SCATTERED.
S0883	F143	1st HAS FAINT CORONA; 3rd IS SPIRAL. SCATTERED.
S0884	F234	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S0885	F143	1st HAS CORONA (cD?). SUPERPOSED ON MORE DISTANT CLUSTERS.
S0886	F463	SCATTERED.
S0887	F340	1st HAS FAINT CORONA; 2nd IS LENTICULAR.
	F341	1st HAS FAINT CORONA AND IS SUPERPOSITION.
S0888	F143	3rd HAS FAINT CORONA. CONCENTRATION TO W.
S0890	F341	1st HAS CORONA (cD).
S0891	F597	SEVERAL BRIGHT FOREGROUND GALAXIES IN FIELD. 1st HAS CORONA. S0-RICH.
S0892	F341	1st IS LENTICULAR. MORPHOLOGICALLY DIVERSE. FOREGROUND FACE-ON EARLY SPIRAL SUPERPOSED.
S0893	F047	1st HAS FAINT CORONA; 3rd IS SB(r). BRIGHTEST ARE SPIRALS. SCATTERED.
S0894	F528	1st, 2nd, and 3rd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
S0895	F597	2nd HAS CORONA. 3rd IS SPINDLE. S0-RICH.
S0896	F341	FOREGROUND FACE-ON Sbc SUPERPOSED.
S0897	F341	1st HAS CORONA WITH AN ELLIPTICAL SUPERPOSED. COUNT CONTAMINATED BY NEARBY CLUSTERS.
S0898	F463	1st HAS CORONA; 2nd IS SPIRAL.
S0899	F341	1st HAS CORONA. COUNT CONTAMINATED BY SUPERPOSITION WITH NEIGHBORING CLUSTERS.
S0900	F341	1st HAS EXTENDED CORONA. SOME OVERLAP WITH NEARBY CLUSTERS.
S0901	F341	SCATTERED. MORPHOLOGICALLY DIVERSE.
S0902	F074	Group superposed.
S0904	F286	WIDELY SCATTERED.

TABLE 7B—*Continued*

Abell	Field	Notes
S0905	F529	Two concentrations.
S0906	F187	Plate edge. 3rd is spiral.
	F235	1st and 10th are spiral. = RPO24.
S0907	F286	1st HAS CORONA (cD). SOMEWHAT SCATTERED AND MORPHOLOGICALLY DIVERSE.
S0910	F106	Group superposed. = AC103 in Couch and Newell (1984) and Sharples et al. (1985).
S0911	F286	3rd HAS FAINT CORONA. SCATTERED AND SUPERPOSED ON A FAINT BACKGROUND OF GALAXIES.
S0914	F464	1st HAS VERY FAINT CORONA, 2nd IS SPIRAL (Sc), 3rd IS SPINDLE.
S0915	F341	SCATTERED.
S0916	F341	3rd HAS FAINT CORONA. MORPHOLOGICALLY DIVERSE AND SCATTERED.
S0917	F341	1st HAS CORONA (cD). SOME SUPERPOSITION WITH NEARBY CLUSTERS AS WELL AS SUBCLUSTERING.
S0918	F341	BRIGHTEST HAVE FAINT CORONAE. DOMINATED BY BRIGHT ELLIPTICALS.
S0919	F286	1st HAS CORONA (cD). SEVERAL CONCENTRATIONS. SUPERPOSED ON FAINT CLUSTERS.
S0921	F286	1st HAS CORONA (cD). SEVERAL CONCENTRATIONS.
S0923	F286	2nd IS SPIRAL. PART OF A LARGE CLOUD OF GALAXIES.
S0924	F286	1st HAS CORONA (cD). SLIGHTLY ELONGATED AND MORPHOLOGICALLY DIVERSE.
S0925	F464	1st IS SPIRAL.
S0926	F026	1st IS SPIRAL. SCATTERED.
S0927	F144	3rd is spiral.
	F145	3rd has corona and ring. = RPO25.
S0928	F287	1st HAS CORONA. SCATTERED AND SOMEWHAT OVERLAPPING WITH CLUSTERS TO NE.
S0929	F599	PLATE EDGE: COUNT VERY LOW.
S0932	F047	1st HAS CORONA (cD?); 3rd & 10th ARE SPINDLES. SOMEWHAT SCATTERED.
S0933	F287	1st HAS CORONA. SUPERPOSED WITH SOMEWHAT FAINTER CLUSTER TO NW.
S0934	F011	1st & 3rd ARE SPINDLES. SCATTERED AND SUPERPOSED ON MORE DISTANT CLUSTER TO NE.
S0937	F107	Group superposed.
S0938	F402	Group superposed?
S0939	F287	1st IS DOULBLE NUCLEUS cD WITH CORONA. LOOSELY SCATTERED.
S0940	F599	FAIRLY SCATTERED AND OPEN.
S0942	F599	1st AND 3rd HAVE CORONAE. TWO CONCENTRATIONS; SUPERPOSITIONS?
S0945	F236	Foreground galaxy superposed.
S0947	F343	3rd HAS FAINT CORONA.
S0949	F011	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE AND SOMEWHAT ELONGATED.
S0951	F599	SCATTERED. 1st HAS CORONA.
S0952	F403	Scattered. 1st superposed? 3rd is spiral. = RPO28.
S0953	F048	1st HAS FAINT CORONA AND IS OFF-CENTER. SCATTERED.
S0954	F145	Plate edge.
S0955	F011	1st HAS CORONA (cD) AND CLOSE COMPANIONS.
S0957	F188	1st is edgewise spiral. 10th has corona. = RPO31.
S0958	F188	1st has plume, in foreground? Group superposed sp.
S0959	F287	1st IS FACE-ON SPIRAL. SOME SUBCLUSTERING TO E.
S0960	F047	1st IS SPINDLE; 2nd IS SPINDLE. SCATTERED AND MORPHOLOGICALLY DIVERSE.
	F048	1st IS THICK SPINDLE; 2nd IS SPINDLE. MORPHOLOGICALLY DIVERSE.
S0961	F465	Corwin noted two concentrations (also in F531), but Olowin has two different clusters (AS961 and AS962). Olowin's data used.
	F531	COMPACT.
S0962	F531	SCATTERED.
S0963	F531	1st HAS CORONA. SOMEWHAT ARC-LIKE.
S0964	F343	3rd HAS FAINT CORONA. TWO BRIGHT FOREGROUND SPIRALS IGNORED. MORPHOLOGICALLY DIVERSE.
S0965	F287	LOOSELY SCATTERED, SOMEWHAT SPIRAL-RICH.
S0966	F288	Group superposed n. 1st has corona.
S0967	F108	1st HAS FAINT CORONA; 2nd IS S0. SCATTERED.
S0968	F236	1st has corona, 3rd is spiral. = RPO32.
S0969	F288	Poor cluster superposed np.
S0971	F287	1st IS SUPERPOSITION (COLLIDING?) SPIRAL. LOOSELY SCATTERED AND OVERLAPPING WITH CLUSTER TO N.
S0972	F403	Nearer cluster superposed. 1st superposed? Plate edge.
S0973	F011	SCATTERED.
S0974	F288	1st is outlying with ring. 3rd is spiral. = RPO35.
S0975	F600	1st IS SPINDLE (FOREGROUND). TWO CONCENTRATIONS.
S0976	F108	Group superposed f. 1st in foreground?
	F108	1st HAS FAINT CORONA (cD?) WITH STAR SUPERPOSED TO S. SCATTERED WITH SOME CONCENTRATIONS.
S0977	F600	1st HAS CORONA. 2nd IS SB(r).
S0978	F343	1st HAS FAINT CORONA. SCATTERED AND SOMEWHAT SPIRAL-RICH.
S0980	F048	1st IS SPIRAL; 3rd HAS VERY FAINT CORONA.
S0982	F108	SCATTERED. FOREGROUND SPIRAL IGNORED.
S0983	F601	1st HAS CORONA. 3rd IS A RINGED GALAXY.
S0984	F108	1st & 2nd ARE SPINDLES. WIDELY SCATTERED. CLOSE PAIR IN COMMON ENVELOPE INCLUDED.
S0985	F601	MORPHOLOGICALLY DIVERSE.
S0987	F601	1st IS BRIGHT SB(r), PROBABLY FOREGROUND. 2nd & 3rd HAVE CORONAE. FAIRLY SCATTERED.
S0988	F146	3rd is spiral. = RPO39.
S0989	F237	Two clusters seen in projection? = RPO40.
S0990	F108	1st HAS FAINT CORONA. SCATTERED, BUT STILL SOMEWHAT SYMMETRICAL.
S0992	F344	SOMEWHAT ELONGATED.
S0993	F344	1st HAS VERY FAINT CORONA. SOMEWHAT ELONGATED.
S0994	F011	SOMEWHAT SYMMETRIC.
S0995	F048	SCATTERED.
S0997	F404	CONCENTRATED WITH VERY BRIGHT GALAXIES AT CENTER.
S0999	F601	1st HAS CORONA (DIFFUSE OVAL ENVELOPE).
S1000	F404	1st IS S0, 2nd HAS CORONA.
S1003	F108	1st HAS FAINT CORONA AND IS OFFSET FROM CENTER. ELONGATED WITH CONCENTRATION IN S-W Q:4.
S1004	F289	1st HAS CORONA (cD). SOMEWHAT SPIRAL-RICH.
S1005	F404	BRIGHTEST ARE LENTICULARS.
S1006	F601	1st IS A PAIR. M(3) = 13.6.
S1009	F011	MORPHOLOGICALLY DIVERSE, SCATTERED.
S1010	F533	Another cluster superposed n.
S1011	F108	1st HAS CORONA (cD). SLIGHTLY CENTRALLY CONDENSED.
S1012	F405	Group superposed.
S1013	F344	SCATTERED.
S1014	F027	1st HAS CORONA (cD). MORPHOLOGICALLY DIVERSE. INTERACTING TRIPLET INCLUDED.
S1015	F344	ELONGATED.

TABLE 7B—*Continued*

Abell	Field	Notes
S1016	F345	VERY SCATTERED. 1st IS SPIRAL; 3rd HAS FAINT CORONA.
S1020	F189	Plate edge. 1st is spiral, foreground?
		1st is spiral. = RPO42.
S1023	F190	= RPO43.
S1024	F027	1st HAS IRREGULAR ENVELOPE. SOMEWHAT ELONGATED.
S1027	F048	1st & 2nd ARE SPIRALS. SCATTERED, BUT SOMEWHAT CENTRALLY CONDENSED.
	F049	1st & 2nd ARE SPIRALS. SOMEWHAT SCATTERED.
S1028	F405	Group superposed.
S1029	F190	Two concentrations.
S1030	F076	1st HAS CORONA (cD). SCATTERED.
S1031	F405	Group superposed. 3rd is spiral.
S1032	F190	Group superposed.
S1033	F405	Group superposed sp.
S1034	F468	Group superposed.
S1035	F147	In a supercluster. m(3) + 2 below plate limit.
S1036	F345	1st IS FACE-ON EARLY SB. LOOSELY SCATTERED.
S1038	F076	1st HAS FAINT CORONA (cD?). SOMEWHAT MORPHOLOGICALLY DIVERSE WITH CONCENTRATION TO N.
S1039	F190	10th is spiral.
S1040	F468	Group superposed. 1st has corona.
S1041	F405	Sb near sp. Group superposed.
	F406	Plate edge.
S1042	F345	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S1043	F534	1st HAS CORONA AND SEVERAL FAINTER COMPANIONS.
S1045	F345	SPIRAL-RICH.
S1046	F289	SPIRAL-RICH.
S1047	F345	1st HAS FAINT CORONA. SCATTERED. SUPERPOSED SOMEWHAT ON CLUSTER TO N-W.
S1048	F533	1st has corona. Plate edge.
S1049	F345	SCATTERED WITH SOME EVIDENCE OF SUBCLUSTERING.
S1050	F405	1st has corona. Near calibration cutout. Part of A3895?
S1051	F345	LOOSELY SCATTERED, BUT SOMEWHAT LINEARLY CONCENTRATED.
	F406	Group superposed. Plate edge. Magnitudes uncertain.
S1052	F290	2nd & 3rd HAVE FAINT CORONAE.
S1053	F147	This is nearer of two clusters seen in projection.
S1055	F345	1st IS FOREGROUND SPIRAL. 2nd & 3rd HAVE FAINT CORONAE. MORPHOLOGICALLY DIVERSE.
S1056	F345	1st HAS FAINT CORONA. LOOSELY SCATTERED.
S1057	F076	1st HAS CORONA (cD) (SUPERPOSED?). SOMEWHAT MORPHOLOGICALLY DIVERSE.
S1058	F049	1st IS LATE ELLIPTICAL (?). SLIGHTLY CENTRALLY CONDENSED.
S1059	F290	1st & 2nd HAVE FAINT CORONAE; 3rd IS SPINDLE. SOMEWHAT SCATTERED AND SUPERPOSED ON MORE DISTANT GALAXIES.
S1060	F290	1st HAS FAINT CORONA (cD?). SCATTERED AND SLIGHTLY OVERLAPPING WITH NEIGHBORING CLUSTER.
S1061	F011	1st HAS FAINT CORONA. BRIGHTEST ARE MORPHOLOGICALLY DIVERSE.
S1062	F049	1st HAS VERY FAINT CORONA. CONCENTRATED AT EDGE.
S1063	F290	ELONGATED. GROUP SUPERPOSED.
S1064	F406	Group superposed.
S1065	F345	1st HAS CORONA & SUPERPOSED COMPANION. NEAR Q:2-E PLATE EDGE, COUNT SOMEWHAT LOW.
S1066	F290	ELONGATED AND BRANCHED.
S1067	F290	1st HAS CORONA (cD). SOMEWHAT SPINDLE-RICH. APPEARS X-SHAPED.
S1068	F406	Group superposed f.
	F468	Group superposed.
S1069	F469	SCATTERED.
S1070	F290	1st IS SPINDLE; 2nd HAS FAINT CORONA. SCATTERED AND SOMEWHAT ELONGATED.
S1071	F603	1st IS DIFFUSE OVAL WITH CORONA.
S1072	F190	Group superposed.
	F191	Data from this plate were for superposed group; rejected.
S1074	F239	Two concentrations. m(3) + 2 below plate limit.
S1075	F469	MULTI-LOBE SHAPED CLUSTER WITH THREE MAJOR CONCENTRATIONS.
S1076	F346	Count very uncertain.
S1077	F406	Three concentrations. Interacting pair superposed. = AC114 in Couch and Newell (1985).
S1078	F076	SOMEWHAT CENTRALLY CONDENSED.
S1080	F290	SCATTERED WITH SEVERAL CONCENTRATIONS. IN LARGE CLOUD OF GALAXIES.
S1081	F076	1st HAS FAINT CORONA; 3rd IS LENTICULAR. SCATTERED.
S1082	F239	Two poorer clusters np; group superposed.
S1084	F290	SOMEWHAT SCATTERED. NEARER GROUP SUPERPOSED TO N-W.
S1085	F239	Group superposed.
S1086	F469	SOMEWHAT LINEAR-SHAPED. SCATTERED.
S1090	F346	1st has corona.
S1091	F011	1st HAS CORONA AND IS SUPERPOSITION.
S1093	F049	1st IS S0 (FOREGROUND?); 3rd HAS FAINT CORONA. CONCENTRATED TOWARDS EDGE. SOMEWHAT DUMBBELL-SHAPED.
S1096	F469	1st HAS CORONA. SOMEWHAT CENTRALLY CONDENSED.
	F470	1st HAS CORONA.
S1097	F049	SEVERAL CONCENTRATIONS IN Q:2 AND Q:4. PART OF A LARGE CLOUD OF FAINT GALAXIES.
S1098	F291	1st IS DIFFUSE OVAL WITH EXTENDED ENVELOPE.
S1099	F535	1st & 3rd HAVE CORONAE. MAY BE SUPERPOSITION OF TWO GROUPS.
S1101	F291	1st HAS EXTENDED CORONA (cD), 3rd IS LENTICULAR.
	F346	Plate edge. 1st has corona.
	F347	Plate edge.
S1102	F191	Three concentrations.
S1103	F291	SCATTERED.
S1104	F049	1st HAS FAINT CORONA. ELONGATED. NEAR (PART OF?) LARGE CLOUD OF FAINT GALAXIES.
S1105	F049	1st IS LENTICULAR; 2nd HAS FAINT CORONA. SOMEWHAT SCATTERED.
S1106	F291	1st HAS FAINT CORONA, 2nd IS SPINDLE. SOME EVIDENCE OF SUBCLUSTERING TO NW.
S1107	F239	Two concentrations.
S1109	F407	Group superposed.
S1110	F239	Two concentrations, group superposed.
S1111	F347	= RPO45.
S1112	F191	Group superposed.
S1113	F536	SCATTERED.
S1114	F049	1st IS EARLY ELLIPTICAL; 2nd IS LENTICULAR. SOMEWHAT SCATTERED. PART OF A LARGE CLOUD OF GALAXIES.
S1116	F110	Nearer cluster n. 1st is interacting cD. 3rd is spiral.
S1117	F536	SCATTERED.
S1118	F240	LOOSELY SCATTERED, WITH SOME CONCENTRATION.
S1119	F470	SCATTERED.
S1120	F347	Two concentrations.

TABLE 7B—*Continued*

Abell	Field	Notes
S1121	F347	Group superposed.
S1122	F027	1st IS PROBABLY A FOREGROUND SPIRAL.
S1123	F470	SCATTERED.
S1124	F240	1st IS SOMEWHAT ELONGATED WITH CORONA (cD). SLIGHT CENTRAL CONDENSATION.
S1125	F347	Group superposed. Scattered in streams.
S1126	F470	1st HAS FAINT CORONA. SOMEWHAT ELONGATED.
S1127	F470	1st HAS CORONA, 3rd IS LENTICULAR.
S1129	F470	1st IS FACE-ON SPIRAL, 3rd IS LENTICULAR.
S1130	F605	Group superposed n.
S1131	F012	1st IS SPINDLE; 3rd HAS EXTENDED CORONA. ELONGATED.
S1132	F191	Plate edge.
S1134	F292	SCATTERED.
S1135	F347	Group superposed. Three concentrations (three clusters?).
S1136	F470	1st HAS CORONA AND SEVERAL FAINT COMPANIONS.
S1137	F471	Scattered. Group superposed.
S1139	F240	SCATTERED.
S1140	F292	1st HAS CORONA.
S1141	F471	S-shaped.
S1142	F471	Two concentrations. = RPO48.
S1143	F240	1st IS PECULIAR (INTERACTING? SUPERPOSED?) EDGE-ON SB(?). LOOSELY SCATTERED.
S1144	F078	LOOSELY SCATTERED.
S1145	F192	SOMEWHAT CENTRALLY CONDENSED. PAIR OF LENTICULARS NEAR CENTER.
S1146	F537	1st HAS CORONA AND FAINT COMPANION.
S1147	F240	1st HAS ELONGATED CORONA (cD). MORPHOLOGICALLY DIVERSE.
	F292	1st HAS CORONA. LOOSELY SCATTERED.
S1148	F110	1st has corona. 3rd is spiral.
S1149	F028	1st HAS FAINT CORONA. SOMEWHAT ELONGATED. ELLIPTICAL-RICH.
	F049	1st IS THICK SPINDLE; 2nd HAS FAINT CORONA. SCATTERED WITH SLIGHT CONCENTATION AROUND 2nd.
S1150	F408	Nearby cluster superposed. 1st has corona.
S1151	F471	= AC116 in Couch and Newell (1984).
S1152	F292	1st HAS FAINT CORONA.
S1153	F240	1st HAS FAINT CORONA (cD).
S1154	F078	SCATTERED.
S1155	F409	1st HAS CORONA.
S1156	F078	SOMEWHAT CENTRALLY CONDENSED.
S1157	F349	3rd is spiral. 10th is spindle.
	F408	Scattered. 3rd is spiral.
S1158	F192	1st HAS FAINT CORONA. SCATTERED.
S1159	F078	SCATTERED.
S1160	F241	1st has corona.
S1162	F472	1st PROBABLY FOREGROUND. FAIRLY SCATTERED.
S1163	F606	DOMINATED BY BRIGHT MEMBERS. 1st HAS FAINT CORONA.
S1165	F409	1st, 2nd, & 3rd HAVE CORONAE.
S1166	F050	1st IS DISTORTED SPIRAL. SCATTERED.
S1169	F292	1st HAS FAINT CORONA. SOME EVIDENCE OF SUBCLUSTERING TO SOUTH.
S1170	F293	1st HAS FAINT CORONA. SOMEWHAT SPIRAL-RICH. LINEAR CONCENTRATION OF SPIRALS.
S1171	F409	1st IS FACE-ON SPIRAL. SCATTERED WITH SEVERAL CONCENTRATIONS.
S1172	F293	1st HAS FAINT CORONA.
S1173	F241	3rd is spiral. Two clusters seen in projection? = RPO50.
	F292	1st HAS CORONA, 2nd IS SPINDLE. SOMEWHAT MORPHOLOGICALLY DIVERSE.
S1174	F293	1st HAS FAINT CORONA.

TABLE 7C

NOTES FOR TABLE 6

Abell	Field	Notes
0002	F538	1st HAS FAINT CORONA. SLIGHTLY ELONGATED.
0013	F538	1st IS SPINDLE; 2nd & 3rd HAVE FAINT CORONAE.
	F539	3rd HAS CORONA. TWO CONCENTRATIONS.
0014	F472	3rd HAS CORONA. NEAR W PLATE EDGE, COUNT LOW. MORPHOLOGICALLY DIVERSE.
0014	F473	1st and 3rd are spirals.
0015	F472	MOST OF CLUSTER LOST IN CALIBRATION CUTOUT. rpo data not used.
0020	F473	Group superposed.
	F539	GROUP SUPERPOSED?
0022	F473	Group superposed n.
0027	F539	1st & 2nd HAVE FAINT CORONAE; 3rd IS S0.
0033	F539	SOMEWHAT ELONGATED.
0035	F473	Plate edge; all data uncertain.
	F539	1st PROBABLY FOREGROUND; 2nd HAS FAINT CORONA. ELONGATED.
0042	F473	1st has corona and companion. Group superposed.
0047	F473	1st has corona.
0050	F473	Scattered.
	F539	GROUP SUPERPOSED?
	F540	Plate edge. Magnitudes uncertain.
0086	F474	Plate edge. 1st has corona.
	F540	1st has corona and star superposed.
0088	F474	Group nf.
0099	F540	1st has corona. 3rd is spiral.
0107	F540	1st has corona.
0114	F474	Plate edge.
	F541	1st HAS FAINT CORONA.
0118	F474	Three concentrations. Group superposed f.
	F475	1st IS SUPERPOSED FOREGROUND (?) SB(?). MORPHOLOGICALLY DIVERSE.
0122	F474	Group superposed s. 1st multiple with corona.
	F475	CONFUSED CENTER; SEVERAL GALAXIES ARE SUPERPOSITIONS INCLUDING 1st WITH CORONA.
0127	F475	1st HAS CORONA.
0133	F475	1st IS BRIGHT DIFFUSE OVAL WITH CORONA.
	F541	1st HAS CORONA (cD).
0135	F475	3rd HAS FAINT CORONA.
	F541	1st HAS ENVELOPE (S0? or E+?).
0140	F475	3rd HAS CORONA.
0141	F475	SOMEWHAT ELONGATED.
0144	F541	1st HAS FAINT CORONA.
0177	F542	Groups superposed sf and p.
0183	F475	3rd IS SPINDLE. NEAR PLATE EDGE AND PLATE ID CUTOUT, COUNT LOW.
	F476	1st IS SPINDLE. NEAR CALIBRATION CUTOUT, COUNT LOW?
	F542	Two clusters seen in projection?
0185	F542	1st is spiral.
0197	F542	Group p.
0206	F476	1st IS SPINDLE.
0210	F476	1st HAS FAINT CORONA.
0214	F476	1st HAS FAINT CORONA AND IS SUPERPOSITION. MANY FAINT GALAXIES IN SURROUNDING FIELD.
0215	F476	COUNT LOW DUE TO FIELD STARS.
0235	F543	SOMEWHAT COMPACT AND MORPHOLOGICALLY DIVERSE.
0264	F477	1st HAS CORONA.
0283	F544	1st HAS FAINT CORONA.
	F477	TWO CONCENTRATIONS (CLUSTERS SUPERPOSED?). MANY FAINT GALAXIES IN FIELD.
0289	F477	3rd HAS CORONA AND COMPANION (POSSIBLE DOUBLE NUCLEUS?).
	F478	1st IS SPINDLE; 3rd HAS CORONA. NEAR W PLATE EDGE, COUNT LOW(?).
0297	F477	3rd HAS CORONA.
	F478	1st IS EDGE-ON LENTICULAR; 3rd HAS CORONA.
0302	F477	1st HAS CORONA. SEVERAL SPINDLES NEAR 1st.
	F478	1st HAS CORONA.
0325	F478	1st HAS CORONA. TWO CONCENTRATIONS (CLUSTERS SUPERPOSED?).
0327	F478	3rd HAS CORONA.
0341	F544	SCATTERED.
0343	F478	1st IS SPIRAL; 3rd HAS CORONA.
	F544	3rd IS SPIRAL.
	F545	SOMEWHAT ELONGATED.
0353	F478	1st HAS CORONA; 3rd IS SPINDLE.
	F479	Near calibration cutout. 1st has corona.
	F545	1st HAS FAINT CORONA (cD?).
0367	F545	1st HAS CORONA. COMPACT AND MORPHOLOGICALLY DIVERSE.
0368	F479	Nearer cluster superposed.
0380	F479	Group superposed.
	F480	NEAR W-SW PLATE EDGE, COUNT LOW.
0385	F479	Group superposed? Near label cutout.
	F546	5' error in Abell (1958) declination.
0386	F546	Group superposed n.
0389	F480	2nd HAS CORONA (cD).
0402	F480	COMPACT. 1st IS SPINDLE.
	F546	Diffuse images.
	F547	1st IS EDGE-ON SPIRAL. SOMEWHAT SCATTERED. NEAR Q-4:W PLATE EDGE, COUNT LOW.
0406	F546	1st has corona.
	F547	ELONGATED WITH SEVERAL CONCENTRATIONS.
0416	F547	SCATTERED; CONCENTRATION AT SOUTHERN EDGE. GROUP SUPERPOSED.
	F547	Group superposed.
0419	F480	RICH IN ELLIPTICALS.
	F481	NEAR W PLATE EDGE.
0428	F547	1st HAS VERY FAINT CORONA. SOMEWHAT CENTRALLY CONDENSED.
0453	F548	1st HAS VERY FAINT CORONA.
	F549	1st HAS FAINT CORONA; 3rd IS SPINDLE.
0456	F548	AT Q:3-E PLATE EDGE, COUNT LOW?
	F549	SOMEWHAT Y-SHAPED IN APPEARANCE.
0457	F548	AT Q:2-E PLATE EDGE, COUNT LOW?
	F549	SOMEWHAT SERPENTINE.
0458	F482	1st has corona.
0459	F549	ELONGATED AND SCATTERED.
0462	F549	ELONGATED.
0463	F549	SOMEWHAT CENTRALLY CONDENSED.
0464	F549	1st HAS CORONA (cD). SOMEWHAT CENTRALLY CONDENSED.
0467	F549	SCATTERED. 2nd IS SPIRAL.
0469	F483	Group superposed n.
	F549	SCATTERED.
0472	F549	DUMBBELL-SHAPED WITH TWO CONCENTRATIONS. IB(s)m IN FIELD.
	F550	On edge of calibration cutout.
0473	F549	ELONGATED.

TABLE 7C—*Continued*

Abell	Field	Notes
	F550	1st in foreground? 2nd m = 17.4.
0474	F550	Plate edge. 4 min error in Abell (1958) right ascension.
0490	F551	1st HAS VERY FAINT CORONA. SOMEWHAT SCATTERED.
0499	F551	COMPACT AND SOMEWHAT SYMMETRICAL.
0500	F484	Near plate corner.
	F551	1st HAS FAINT CORONA (cD?). SOMEWHAT SYMMETRIC AND MORPHOLOGICALLY DIVERSE.
0507	F552	Near plate edge.
0510	F552	Group superposed.
0514	F551	1st HAS FAINT CORONA. DUMBBELL-SHAPED, POSSIBLY A SUPERPOSITION OF TWO CLUSTERS.
	F552	1st is spiral. Two concentrations.
0533	F485	Plate edge.
	F486	1st and 3rd have coronae.
	F552	Near plate edge.
0543	F487	Nearer cluster superposed nf.
	F553	1st has corona. Plate edge.
	F554	SEVERAL CONCENTRATIONS.
0548	F488	SOMEWHAT ELONGATED, MORPOLOGICALLY DIVERSE.
0550	F555	1st HAS FAINT CORONA.
0551	F555	ELONGATED.
0555	F556	1st HAS FAINT CORONA. TWO CONCENTRATIONS.
	F556	Two concentrations.
0823	F498	Group superposed.
0842	F565	1st has corona. Galaxies of AS617 superposed. Abell (1958) richness (2) incorrect.
	F566	1st IS FOREGROUND SPIRAL.
0857	F498	Abell (1958) richness (2) probably incorrect.
	F565	1st has corona. In rich star field.
	F566	TWO CONCENTRATIONS. 1st IS SPINDLE.
0955	F500	1st has corona and star superposed.
0966	F500	Group superposed f. 1st has corona.
1060	F437	1st & 2nd HAVE CORONAE. SCATTERED & MORPHOLOGICALLY DIVERSE. NEAR Q:1-N CALIBRATION CUTOUT, COUNT LOW.
	F501	1st and 10th are spiral. Counts completed on F437, J515.
1088	F569	1st has corona.
1090	F568	Plate edge.
	F569	3rd is spindle.
1146	F502	1st HAS CORONA. BACKGROUND OF VERY FAINT GALAXIES.
	F570	1st has corona.
1163	F570	1st has corona.
1165	F502	1st IS S0 (PROBABLY FOREGROUND). 2nd HAS CORONA.
1181	F570	sf of 2; A3465 is other.
1217	F503	1st HAS FAINT CORONA.
1233	F570	1st has corona.
1311	F503	1st HAS STELLAR NUCLEUS & SINGLE ANSA; PROBABLY FOREGROUND.
	F504	NEAR W PLATE EDGE; COUNT POSSIBLY LOW.
1347	F504	1st HAS FAINT CORONA. ANOTHER CONCENTRATION TO SE; TWO CLUSTERS SUPERPOSED?
1352	F571	Group superposed.
1418	F572	10th is spiral.
1440	F505	SOME SUBCLUSTERING.
	F572	1st is spiral. Plate edge.
1450	F505	1st HAS FAINT CORONA; 2nd IS SPINDLE.
1537	F506	SOMEWHAT ELONGATED.
1584	F574	SOMEWHAT WEDGE-SHAPED AND SCATTERED.
1604	F506	1st has corona. Plate edge.
	F507	1st HAS FAINT CORONA.
	F574	1st HAS VERY FAINT CORONA. SCATTERED.
1625	F575	ELONGATED AND SCATTERED.
1633	F507	NEARER CLUSTER POSSIBLY SUPERPOSED.
1644	F575	1st HAS ELONGATED CORONA (cD). SOMEWHAT CONCENTRATED IN Q:1/2. NEAR Q:1 PLATE EDGE, COUNT LOW.
1648	F507	1st HAS CORONA. SPIRAL-RICH.
1664	F507	1st HAS FAINT CORONA, 3rd IS SPINDLE.
1699	F576	1st IS SPINDLE (FOREGROUND?); 3rd HAS FAINT CORONA.
1709	F576	1st IS S0. SOMEWHAT SCATTERED AND MORPHOLOGICALLY DIVERSE.
1727	F509	1st outlying. Seems too poor to be an Abell cluster.
	F576	2nd HAS FAINT CORONA.
1732	F576	1st HAS FAINT CORONA. SOMEWHAT ELONGATED.
1736	F508	1st, 2nd, & 3rd HAVE CORONAE. MORPHOLOGICALLY DIVERSE.
	F509	1st has corona.
1757	F509	Group superposed.
1791	F509	1st is spiral.
	F510	2nd & 3rd HAVE CORONAE. TWO CONCENTRATIONS.
1802	F510	1st HAS CORONA.
1816	F510	1st IS FOREGROUND SPIRAL.
1822	F510	2nd IS RING, 3rd HAS FAINT CORONA.
1846	F510	1st FOREGROUND, 3rd HAS CORONA.
1853	F578	1st HAS FAINT CORONA.
1857	F510	FAIRLY SCATTERED.
1883	F511	1st, 2nd, & 3rd ARE UNRESOLVED SPIRALS IN CENTER. SCATTERED.
1924	F511	1st HAS FAINT CORONA. FOREGROUND SPIRAL IGNORED. SCATTERED AND MORPHOLOGICALLY DIVERSE.
	F579	1st HAS FAINT CORONA. FOREGROUND FACE-ON SPIRAL IGNORED.
	F580	AT Q:4-W PLATE EDGE, COUNT LOW.
1935	F580	1st IS (FOREGROUND?) SPIRAL. 3rd HAS FAINT CORONA.
1945	F512	SCATTERED.
	F580	1st IS FOREGROUND SPIRAL. SCATTERED.
1981	F512	3rd HAS FAINT CORONA.
2325	F528	1st IS ELLIPTICAL WITH FAINT ENVELOPE.
2328	F597	1ST HAS CORONA. MANY FAINT GALAXIES.
2330	F529	1st and 3rd have coronae.
	F598	SCATTERED.
2332	F598	1st HAS CORONA.
2333	F598	1st HAS CORONA. SEVERAL CONCENTRATIONS.
2335	F529	Plate edge.
	F598	1st HAS FAINT CORONA.
2336	F598	1st HAS CORONA. 3rd IS SPIRAL.
2337	F530	Group superposed np.
2338	F530	1st has corona. Two clusters seen in projection?
2341	F530	3rd has corona.
2344	F599	1st HAS CORONA. 2nd IS SUPERPOSITION.
2347	F530	Two clusters seen in projection?
2357	F531	1st IS PROBABLY FOREGROUND SPIRAL. 2nd HAS FAINT CORONA. SLIGHTLY CENTRALLY CONCENTRATED.

TABLE 7C— *Continued*

Abell	Field	Notes
2365	F600	1st IS FOREGROUND SPINDLE; 3rd HAS CORONA.
2369	F600	1st HAS CORONA. TWO CONCENTRATIONS.
2370	F600	1st IS SPIRAL.
2371	F531	SCATTERED.
2372	F600	1st HAS CORONA.
2375	F600	3rd HAS CORONA.
2378	F600	3rd HAS CORONA.
2383	F600	3rd IS S0(?).
	F601	FAIRLY LOOSE. AT E PLATE EDGE; COUNT LOW.
2384	F600	3rd HAS CORONA. MORPHOLOGICALLY DIVERSE.
	F601	1st HAS CORONA. AT E PLATE EDGE; COUNT LOW.
2385	F531	1st HAS VERY FAINT CORONA.
	F532	1st has corona.
2394	F600	1st HAS CORONA.
	F601	1st HAS CORONA. 2nd IS SUPERPOSITION.
2401	F601	1st HAS CORONA. SPIRAL-RICH & MORPHOLOGICALLY DIVERSE. BRIGHTEST GALAXIES ARE LINEARLY DISTRIBUTED.
2403	F601	FAIRLY SCATTERED.
2405	F601	1st HAS CORONA. 3rd IS SPINDLE.
2412	F601	1st HAS FAINT HALO.
2416	F532	Group superposed. 1 min error in Abell (1958) right ascension.
2417	F532	1st is spiral.
2418	F532	Group superposed s.
2461	F603	SOMEWHAT SCATTERED.
2462	F602	1st has corona. Plate edge. = A3897.
	F603	1st HAS CORONA; 2nd IS DIFFUSE BLUNT SPINDLE. = A3897.
2466	F603	1st HAS FAINT CORONA.
2474	F603	TWO CONCENTRATIONS.
2477	F603	1st HAS FAINT CORONA. TWO CONCENTRATIONS.
2478	F603	1st HAS CORONA.
2480	F603	1st HAS CORONA. 3rd MAY BE S0. SOMEWHAT LINEAR DISTRIBUTION OF GALAXIES.
2481	F603	SEVERAL BRIGHT FOREGROUND GALAXIES. SCATTERED.
2487	F603	SEVERAL SMALL CONCENTRATIONS.
2488	F534	3rd IS LENTICULAR.
2492	F603	1st HAS CORONA. 3rd & 10th ARE SPIRALS (NEARLY EDGE-ON).
2493	F534	1st HAS FAINT CORONA. ELONGATED.
2497	F603	SOMEWHAT SCATTERED.
2499	F534	1st HAS CORONA, 2nd IS SPINDLE.
2500	F534	1st HAS FAINT CORONA, 2nd IS PAIRED WITH 3rd.
2509	F603	SCATTERED.
2514	F534	NEAR E PLATE EDGE; COUNT LOW.
	F535	SOMEWHAT ELONGATED.
2518	F535	SCATTERED.
2521	F535	1st & 2nd SUPERPOSED IN COMMON (?) ENVELOPE.
2526	F535	TWO CONCENTRATIONS.
2527	F535	1st HAS FAINT CORONA.
2531	F535	SCATTERED. 1st HAS FAINT CORONA.
2534	F535	3rd HAS CORONA. TWO CONCENTRATIONS.
	F604	1st in foreground? 2nd m = 16.8.
2536	F535	1st PROBABLY FOREGROUND, 3rd HAS CORONA.
	F604	1st in foreground? 2nd m = 17.8.
2539	F604	1st in foreground? 2nd m = 15.5.
2540	F535	1st HAS FAINT CORONA.
2541	F535	1st IS FOREGROUND SPINDLE, 3rd HAS FAINT CORONA.
2542	F535	1st IS FOREGROUND SPIRAL, 2nd IS SPINDLE.
2546	F535	1st IS FOREGROUND SPIRAL. 2nd HAS FAINT CORONA.
2547	F604	Area rich and confused.
2548	F604	1st in foreground? 2nd m = 15.3.
2550	F535	SUPERPOSED ON ANOTHER CLUSTER TO N-E. 1st HAS FAINT CORONA.
	F604	Area rich and confused.
2553	F535	1st & 2nd INTERACTING IN COMMON CORONA.
2554	F604	1st has corona. Area rich and confused.
2555	F535	2nd & 3rd IN COMMON ENVELOPE.
2556	F604	1st has corona. Area rich and confused.
2566	F604	1st has corona.
2568	F535	SCATTERED.
	F604	Group superposed np. 1st in foreground?
	F605	1st and 3rd are spiral.
2575	F535	2nd IS NEARLY FACE-ON SPIRAL.
	F536	NEAR CALIBRATION CUTOUT; COUNT LOW?
	F605	1st is spiral.
2576	F536	2nd & 3rd ARE SUPERPOSITIONS.
	F605	Group superposed sp.
2577	F535	2nd IS SOMEWHAT PECULIAR SPIRAL.
	F536	1st HAS FAINT CORONA.
2579	F605	1st and 3rd have coronae.
2580	F535	1st HAS CORONA (cD).
	F536	1st HAS CORONA (cD).
2581	F604	Plate edge.
	F605	Near calibration cutout.
2585	F536	TWO CONCENTRATIONS.
2586	F605	1st has corona.
2595	F605	1st has corona.
2596	F536	MORPHOLOGICALLY DIVERSE.
2599	F536	TWO CONCENTRATIONS; TWO CLUSTERS SUPERPOSED?
2601	F536	TWO CONCENTRATIONS.
2603	F536	3rd HAS CORONA.
2604	F536	DEPTH OF COUNT MAY BE AFFECTED BY BRIGHT FOREGROUND GALAXIES.
	F605	Group superposed.
2605	F536	1st HAS CORONA.
2606	F605	Group superposed. 1st and 3rd have coronae.
2609	F536	1st HAS FAINT CORONA.
2612	F605	Group superposed n. 1st and 3rd are spiral.
2614	F605	Group superposed.
2615	F536	SEVERAL CONCENTRATIONS.
2641	F536	SEVERAL CONCENTRATIONS.
2655	F606	1st HAS CORONA. 3rd IS SPINDLE.
2663	F472	NEAR E FIDUCIAL MARK.
	F537	1st PROBABLY FOREGROUND GALAXY.
2679	F538	1 min and 6' error in Abell (1958) position.
	F538	SOMEWHAT OVAL.
	F606	SOMEWHAT BAR-LIKE, ASYMMETRICAL.
2680	F538	In a supercluster.
	F606	1st PROBABLY FOREGROUND. 2nd HAS CORONA (POSSIBLY cD).
2681	F472	FAIRLY SCATTERED. OVERLAPS SW WITH A2685.

TABLE 7C—*Continued*

Abell	Field	Notes
	F537	COUNT VERY LOW.
2682	F606	MORPHOLOGICALLY DIVERSE. BRIGHTER GALAXIES IN CORE.
2683	F537	SCATTERED.
2685	F472	1st PROBABLY FOREGROUND. 2nd & 3rd HAVE CORONA. OVERLAPS NE WITH A2681.
2686	F538	1st is spiral in foreground? 2nd m = 13.8.
	F538	1st IS FACE-ON SPIRAL; 2nd HAS FAINT CORONA. SOMEWHAT ELONGATED.
	F606	1st IS FACE-ON SPIRAL; 2nd HAS CORONA AND TWO COMPANIONS; 3rd HAS CORONA.
2690	F472	1st PROBABLY FOREGROUND. 3rd HAS DOUBLE NUCLEUS WITH CORONA OR IS SUPERPOSITION OF TWO.
	F537	3rd APPEARS TO HAVE DOUBLE NUCLEUS (OR PAIR IN COMMON ENVELOPE?).
2693	F538	1st is spiral in foreground? 2nd m = 18.0.
	F538	1st MAY BE SUPERPOSITION; APPEARS IRREGULAR. SCATTERED.
	F606	3rd HAS CORONA. SOMEWHAT ELONGATED.
2708	F538	1st HAS FAINT CORONA. CONCENTRATION IN Q:3.
2712	F538	SOMEWHAT SCATTERED.

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GEORGE O. ABELL (deceased): Department of Astronomy, University of California, Los Angeles, 405 Hilgard Avenue, Los Angeles, CA 90024

HAROLD G. CORWIN, JR.: Astronomy Department, RLM 15.308, University of Texas, Austin, TX 78712-1083

RONALD P. OLOWIN: Department of Mathematical Sciences, Saint Mary's College of California, Moraga, CA 94575