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The *IRAS* Revised Bright Galaxy Sample (RBGS)

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ABSTRACT

IRAS flux densities, redshifts, and infrared luminosities are reported for all sources identified in the *IRAS* Revised Bright Galaxy Sample (RBGS), a complete flux-limited survey of all extragalactic objects with total 60 μm flux density greater than 5.24 Jy, covering the entire sky surveyed by *IRAS* at Galactic latitude $|b| > 5°$. The RBGS includes 629 objects, with a median (mean) sample redshift of 0.0082 (0.0126) and a maximum redshift of 0.0876. The RBGS supersedes the previous two-part *IRAS* Bright Galaxy Samples (hereafter BGS_1+BGS_2), which were compiled before the final ("Pass 3") calibration of the *IRAS* Level 1 Archive in May 1990. The RBGS also makes use of more accurate and consistent automated methods to measure the flux of objects with extended emission. The RBGS contains 39 objects which were not present in the BGS_1+BGS_2, and 28 objects from the BGS_1+BGS_2 have been dropped from RBGS because their revised 60 μm flux densities are not greater than 5.24 Jy. Comparison of revised flux measurements for sources in both surveys shows that most flux differences are in the range $\sim 5 - 25\%$, although some faint sources at 12 μm and 25 μm differ by as much as a factor of 2. Basic properties of the RBGS sources are summarized, including estimated total infrared luminosities, as well as updates to cross-identifications with sources from optical galaxy catalogs established using the NASA/IPAC Extragalactic Database (NED). In addition, an atlas of images from the Digitized Sky Survey with overlays of the *IRAS* position uncertainty ellipse and annotated scale bars is provided for ease in visualizing the optical morphology in context with the angular and metric size of each object. The revised bolometric infrared luminosity function, $\phi(L_{\rm ir})$, for infrared bright galaxies in the local Universe remains best fit by a double power law, $\phi(L) \propto L^{\alpha}$, with $\alpha = -0.6$ (±0.1), and $\alpha = -2.2$ (±0.1) below and above the "characteristic" infrared luminosity $L^{*}_{\rm ir} \sim 10^{10.5} L_{\odot}$, respectively. A companion paper provides *IRAS* High Resolution (HIRES) processing of over 100 RBGS sources where improved spatial resolution often provides better *IRAS* source positions or allows for deconvolution of close galaxy pairs.

Subject headings: galaxies: general — infrared: general — infrared:sources

1. Introduction

This paper presents the complete list of objects contained in the *IRAS* Revised Bright Galaxy Sample (RBGS), a flux-limited sample of all extragalactic objects brighter than 5.24 Jy at 60 ¯m, covering the entire sky surveyed by the *Infrared Astronomical Satellite* (*IRAS* ; Neugebauer et al. 1984) at Galactic latitude jbj ¿ 5°. The RBGS replaces the earlier *IRAS* Bright Galaxy Samples (BGS_1+BGS_2), which were compiled using the *IRAS Point Source Catalog* (PSC: 1988) along with other intermediate releases of the *IRAS* data

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products and are therefore now out of date with the more accurate "Pass 3" calibration [7] adopted for the final release of the *IRAS* Level 1 Archive.

The RBGS objects are the brightest 60 ¯m sources in the extragalactic infrared sky, and as such they remain the best sources for studying the infrared emission processes in galaxies and for comparison with extragalactic observations at other wavelengths. In this regard the RBGS can be considered the infrared equivalent of the 3CR survey of extragalactic radio sources. Most sources in the RBGS have extended *IRAS* flux densities that are underestimated by measurements in the *IRAS* PSC and in the *Faint Source Catalog* (FSC: Moshir et al. 1992), because the *IRAS* catalogs are the result of point-source filtering. Therefore, the RBGS should be the reference of choice for accurate *IRAS* fluxes and infrared luminosities of galaxies in the local Universe.

In this paper we report revised 12 ¯m, 25 ¯m, 60 ¯m and 100 ¯m total flux densities for all 629 infrared sources in the RBGS. Section 2 describes the methods used to select the objects. Details of the *IRAS* data processing are deferred to the Appendix. Section 3 presents the summary data for the RBGS objects, including the revised *IRAS* flux measurements, source size information, and derived infrared luminosities. Also included is an atlas of images from the Digitized Sky Survey with overlays of the *IRAS* position uncertainty ellipse and annotated scale bars; this is intended as a reference to visualize the optical morphology of the infrared source in context with the angular and metric size of each object, and more importantly, in the case of confused or double sources, to quickly see how large the *IRAS* position offset may be from the optical sources. Section 4 is a discussion of the general properties of the RBGS which includes a comparison of the revised measurements with those published previously, and a summary of the sky coverage, number counts, infrared colors, and infrared luminosity function. A companion paper (Surace, Sanders & Mazzarella 2003) provides High Resolution (HIRES) processing of ¸20% of the RBGS sources where it was thought that enhanced resolution might provide better source positions, or in the case of close galaxy pairs, allow deconvolution of the individual components.

2. Sample Selection and Data Processing

In constructing the RBGS, the basic methods used to extract candidate bright galaxies from the *IRAS* catalogs and to compute total fluxes in each of the four *IRAS* bands using ADDSCAN/SCANPI (hereafter referred to as SCANPI; Helou et al. 1988) were similar to procedures used in earlier compilations of the *IRAS* BGS (here referred to as BGS_1: Soifer et al 1989, 1987, 1986) and the *IRAS* BGS–Part II (here referred to as BGS_2: Sanders et al 1995); the reader is referred to these papers for historical perspective as well as for a more thorough description of original sample membership criteria. In this paper we outline the major steps that were followed to construct the new sample, and where appropriate, emphasize the differences between the earlier $\mathrm{BGS}_1+\mathrm{BGS}_2$ procedures and the more refined RBGS processing.

The *IRAS* FSC and *IRAS* PSC were used as starting points for the initial search of the *IRAS* data archive. It was necessary to use the PSC because the FSC does not include objects in confused regions of the infrared sky with Galactic latitude jbj ¡ 10°. The FSC Rejects (FSCR) [8] were also examined for bright objects at 60 ¯m. In the end, the only source accepted from the FSCR is NGC 4151 (*IRAS* Z12080+3940). The reasons for its inclusion in RBGS are: a) the SCANPI signals in all 4 *IRAS* bands are very strong (see Table 1); b) the FIR signal is positionally coincident with the optical galaxy, and the coadded scan profile from ADDSCAN/SCANPI is consistent with the optical size of the galaxy; c) the *IRAS* SCANPI flux density values at 12 μm and 25 μm are comparable (slightly higher, as expected given some extended flux) to independent ground-based measurements at 10.6 μm and 21 μm in apertures centered on the nucleus (Lebofsky & Rieke 1979).

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[7] "Pass 3" refers to the final calibration adopted for the archived IRAS data by the Infrared Processing and Analysis Center (IPAC) in 1990. Details of the calibration methods for each of the IRAS infrared bands, and the various IRAS catalogs and atlases can be found in the Explanatory Supplement to the IRAS Faint Source Survey (Moshir et al. 1992).

[8] The FSCR, along with all other IRAS catalogs, is available for queries through the GATOR service of the Infrared Science Archive (IRSA) at IPAC; http://irsa.ipac.caltech.edu/. The FSCR contains objects that have only one IRAS hours-confirmed (HCON) observation; however, IRAS measurements in the FSCR are much more reliable when a high signal-to-noise detection is combined with confirmation via positional cross-identification with a known source detected at another wavelength.

A second step involved another search of the *IRAS* PSC and FSC, this time with a lower 60 μm point source threshold of 4.5 Jy, which was designed primarily for the purpose of capturing sources that might have a reasonable chance of having extended flux sufficient to bring their total 60 μm flux densities above the RBGS threshold. To investigate how many objects with total 60 μm flux density greater than 5.24 Jy may be "hiding" among objects with even fainter point-source components, a few dozen galaxies randomly selected from the FSC with $4.0\ \mathrm{Jy} < S_\nu(60\mu\mathrm{m}) < 4.5\ \mathrm{Jy}$ were also coadded with SCANPI. These objects were not found to contain sufficient extended emission to bring their total fluxes above the RBGS flux limit. Searches of NED for optical galaxies larger than 4 arcminutes, without regard for their (likely underestimated) flux measurements from the *IRAS* catalogs, were also performed to obtain additional candidates. However, objects with total $S_\nu(60\mu\mathrm{m}) > 5.42\ \mathrm{Jy}$ among these large optical galaxies objects were also recovered in the *IRAS* catalog searches noted above. This provides confidence that our procedures resulted in a sample with a very high level of completeness at 60 μm.

All candidate *IRAS* sources were compared with the latest catalog cross-correlations available in the NASA/IPAC Extragalactic Database (NED)[9], which were then inspected using overlays on the DSS1 images. The data were then reprocessed (co-addition of all acceptable *IRAS* scans) using SCANPI, and the resulting 1-D coadded scan profiles were visually inspected to determine the amount of extended emission, and in the case of blended or confused sources, to determine the best method for computing the total flux density. A computer program was written to determine objectively and consistently whether the total flux density of each source is better represented by the baseline zero-crossing method $f_\nu(z)$, the value integrated within the nominal *IRAS* detector size $f_\nu(t)$, the point source template fit amplitude ("template"), or the peak flux in the profile ("peak"). This was accomplished by checking whether the $f_\nu(t)$ value is significantly larger than the template fit and peak values (considering also the RMS noise in the coadded scan outside the detected signal range), and if so whether the $f_\nu(z)$ value is significantly larger than the $f_\nu(t)$ value. This procedure, combined with comparisons of the coadded scan profile widths at 25% ("W25") and 50% ("W50") of the peak flux with the nominal beam size (point-spread function), was also used to determine whether each *IRAS* source is resolved, marginally extended or unresolved. All measurements were performed using SCANPI's median (1002) method of coadding the individual *IRAS* scans, and all sources with 60 μm point source flux greater than 5.24 Jy (the completeness limit of the original BGS) were included in the final sample.

Appendix A gives more details regarding the various methods used for setting thresholds to select between the flux density estimators and for estimating the total flux densities of the extended sources, and provides a tabular listing of all key SCANPI measurements in each *IRAS* band, as well as the ratio of the new RBGS total flux density measurements compared with the old values reported in the $\mathrm{BGS}_1+\mathrm{BGS}_2$ (where available). Example coadded scan profiles are also plotted to illustrate the extent of *IRAS* emission compared to the point spread function and to show how different flux measurement methods were objectively selected in the automated SCANPI reprocessing of the data for all potential RBGS sources.

Finally, *IRAS* flux measurements from the "Catalog of *IRAS* Observations of Large Optical Galaxies" (Rice et al. 1988) and "An Atlas of High-Resolution *IRAS* Maps of Nearby Galaxies" (Rice 1993) were examined. Careful comparison of flux densities integrated within the signal range between SCANPI's baseline fit zero-crossing points, $f_\nu(z)$, to those measured by Rice et al. from *IRAS* 2-D image products showed generally good agreement for galaxies with optical diameters smaller than about 25 arcminutes. For objects with optical diameters larger than $\gtrsim 25$ arcminutes it is clear that even SCANPI's $f_\nu(z)$ method systematically underestimates the total flux density compared to the 2-D method used by Rice. Therefore, to maintain consistency with other objects in the RBGS to the highest degree possible, in the final compilation we adopted Rice et al. measurements over those from SCANPI's $f_\nu(z)$ estimator only for objects larger than 25 arcminutes; such objects are flagged in Table 1.

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[9] NED is available at http://ned.ipac.caltech.edu/.

3. The *IRAS* RBGS Data

Table 1 presents the summary data for all of the sources in the *IRAS* RBGS. The complete sample contains 629 galaxies that met our threshold criteria of S_{60} ¿ 5:24 Jy. The column entries are as follows:

(**1**) *Common Name* – Common name taken in decreasing priority order from the NGC, UGC, ESO, IC, A, MCG, CGCG, Zwicky compact galaxies, Markarian, and *IRAS* catalogs. "N" follows the common name for "new" RBGS objects which were not included in the compilation of the BGS_1 (Soifer et al. 1989) or BGS_2 (Sanders et al. 1995); "1" flags objects from the BGS_1, and "2" flags objects from the BGS_2.

(**2**) *IRAS Name* – Names from the *IRAS* Faint Source Catalog (FSC) are given using the standard "F" prefix; if the source is not in the FSC, the name from the Point Source Catalog (PSC) is given, which has no letter prefix. *IRAS* source names are based on equinox B1950.0 coordinates. Names from the *IRAS Faint Source Catalog Rejects* (FSCR) are given using the standard "Z" prefix. (NGC 4151 is the only FSCR object in the RBGS; see Section 2.) *IRAS* catalog names are not listed for a few very large galaxies (indicated by " —") because entries in the *IRAS* catalogs do not represent the total flux and generally correspond only to the nucleus or other bright component. Flags following the *IRAS* name are as follows: "R" indicates large galaxies with for which total flux densities derived from *IRAS* images were published by Rice et al. (1988) or Rice (1993); the Rice et al. values are adopted here only in cases listing an "R" value for the Method code in columns (8) – (11); see text for details. " *" identifies objects located in regions of the Milky Way, LMC, or SMC with high source confusion. [Note: The objects are listed in order of increasing B1950 right ascension (R.A.), as reflected in the source names from the *IRAS* catalogs; this places some objects out of order in terms of their J2000 coordinates.]

(**3**–**4**) *R.A., Dec* – Equinox J2000.0 R.A. and declination (Dec), transformed from equinox B1950.0 coordinates published in the *IRAS* FSC (Version 2.0) or PSC (Version 2), as indicated in Col. (2). These coordinates correspond to the centroid of the *IRAS* positional uncertainty ellipse as superimposed on the Digitized Sky Survey fields shown in Figure 1. Exceptions are for the large galaxies NGC 55, SMC, NGC 300, LMC, NGC 6744, and NGC 6822 whose positions are taken from Rice et al. (1988).

(**5**–**6**) ‘,*b* – Galactic latitude and longitude in decimal degrees.

(**7**) *HIRES code* – *IRAS* HIRES code from Surace, Sanders & Mazzarella (2003). A listing here indicates that the infrared source contains two or more objects that were confused in one or more of the *IRAS* detectors. The high-resolution image restoration algorithm HIRES (Aumann, Fowler, & Melnyk 1990) was applied to these sources in an attempt to resolve flux from individual galaxies. "R" means the source was resolved into two or more components, resulting in new *IRAS* positions and fluxes; "*" means the source was resolved, but the *IRAS* position lies between the two galaxies as seen on the DSS; "S" means the source was partially resolved into two or more components, and fluxes were estimated for each object, but no new reliable positions were derived; "U" means HIRES was unsuccessful at resolving separate components. See Surace et al. (2003) for detailed HIRES results for these objects. For consistency, the fluxes listed in Table 1 were derived using SCANPI in the same manner as the single objects in the table. There are known calibration problems with the HIRES data product (Surace et al. 1993), and while the flux ratio between individual galaxies within a system can be more accurately measured using HIRES, the absolute calibration of the galaxy system flux is better determined by SCANPI. Since in many cases a single galaxy dominates the far-infrared flux of a multiple galaxy system, there are only a handful of systems that would have not been selected in the RBGS but which are included by virtue of having an integrated flux above the selection limit.

(**8**–**11**) *Flux Densities* – Total *IRAS* flux densities (Jy) in the 12 ¯m, 25 ¯m, 60 ¯m, and 100 ¯m bands, respectively. Following each flux density value are the uncertainty (1 œ in mJy) followed by three code letters (**SMF**) indicating the infrared **S**ize (U = "unresolved", M = "marginally extended", R = "resolved"); the **M**ethod chosen as the best flux estimate from SCANPI (Z = "zero crossing", I = "in-band total", T = "template fit", P = "peak value", S = "deconvolution with SCLEAN" (see Appendix), R = from Rice et al. (1988); and a **F**lag indicating the type of confusion (c = "cirrus", g = "nearby galaxy", n = "excessive noise", b = "blended objects") causing large uncertainty as indicated by a colon (":") prefix on the flux density. Note that some large galaxies flagged with "R" in Col. (2) have new SCANPI zero-crossing estimates, indicated here using "Z" for the second flag, which are judged to have more accurate calibration than previously adopted values from Rice et al. (1988).

(**12**) *cz* – The Heliocentric radial velocity ($\mathrm{km\,s^{-1}}$) of the *IRAS* source computed as c times the redshift z. The source for the redshift is given in Col. (2) of Table 2 as a 19 digit reference code from NED. In cases where either a millimeter (e.g. CO) or HI 21-cm line measurement has been reported we have chosen to adopt these redshifts given that they better reflect the systemic velocity of the galaxy, as opposed to optical measurements which are often biased (typically blue-shifted) due to optical depth effects.

(**13**) *Distance* – The estimated source distance in Mpc; metric ("proper") distance is listed, not luminosity distance. For most objects this was calculated from cz using the cosmic attractor model outlined in Appendix A of Mould et al. (2000), using $\mathrm{H_o}$ = 75 $\mathrm{km^{-1}}$ $\mathrm{s^{-1}}$ $\mathrm{Mpc^{-1}}$ and adopting a flat cosmology in which $\Omega_{\rm M}$ = 0:3 and Ω_Λ = 0:7 (which corresponds to $\mathrm{q_0}$ = Γ0:55). Superscripts are defined as follows: " P" indicates the distance is not computed by correcting the heliocentric redshift using the cosmic attractor model, but comes from a direct *primary* distance measurement; "S" flags a direct *secondary* distance measurement; "V" indicates that the cosmic attractor flow model places the object within the *Virgo* cluster at a distance of 15.3 Mpc; "G" indicates that the cosmic attractor flow model places the object within the *Great Attractor*. References for the adopted primary and secondary distance indicators are Freedman et al. (2001), Madore & Freedman (1998), Ferrarese et al. (2000), Mould et al. (1991), Tully & Shaya (1984), Aaronson & Mould (1983), Aaronson et al. 1982, and Aaronson, Mould & Huchra (1980).

(**14–15**) *Luminosities* – The $\mathrm{base_{10}}$ logarithm of the far-infrared luminosity, $\mathrm{L_{fir}}$ = L(40 Γ 400¯m), determined using the prescription described in Appendix B of Cataloged Galaxies and Quasars Observed in the *IRAS* Survey (1989), and the infrared luminosity, $\mathrm{L_{ir}}$ = L(8 Γ 1000¯m), determined using the fluxes in all four *IRAS* bands (Perault 1987; see also Table 1 in Sanders & Mirabel 1996), in units of solar bolometric luminosity, $\mathrm{L_\odot}$ = 3:83 Θ 10^{33} $\mathrm{erg\,s^{-1}}$.

(**16**) *Rank* – The object's sequential rank in the distribution of $\mathrm{L_{ir}}$ values, where 1 is the most luminous source.

(**17**) *Other Names* – Other names from catalogs of interacting galaxies (IG) or active galactic nuclei (AGN). Spaces between catalog name prefix and number (as standard in NED) are omitted here to save space.

TABLE 1

IRAS Revised Bright Galaxy Sample — Integrated Flux Densities and Luminosities

Name				R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}, L_{\rm ir}$)			IG/AGN Names
Common (1)		IRAS (2)		hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	(7)	Jy	mJy (8)	SMF	Jy	mJy (9)	SMF	Jy	mJy (10)	SMF	Jy	mJy (11)	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
NGC 0023	1	F00073+2538		00:09:55.1	+25:55:37	111.38	-36.01		0.66	38	RI	1.29	45	RI	9.03	46	UT	15.66	114	UT	4536	59.62	10.89	11.05	183	MRK0545
NGC 0034	1	F00085-1223		00:11:06.6	-12:06:27	88.78	-72.25		0.35	32	UT	2.39	55	UT	17.05	45	UT	16.86	135	UT	5931	77.60	11.34	11.44	83	VV850;MRK0938
NGC 0055	2	---	R	00:14:54.5	-39:11:19	332.89	-75.74		1.34	-	RR	6.25	-	RR	77.00	-	RR	174.09	-	RR	125	3.10^S	9.31	9.36	602	
MCG-02-01-051/2	1	F00163-1039		00:18:51.4	-10:22:33	96.77	-71.57	S	0.28	34	MI	1.20	55	UT	7.48	48	MI	9.66	138	UT	8112	105.76	11.27	11.41	88	ARP256;VV352
NGC 0134	2	F00278-3331	R	00:30:21.6	-33:14:38	338.32	-82.38		2.35	48	RI	2.59	38	RI	22.65	53	RI	58.87	130	MI	1579	15.90^S	10.25	10.37	398	AM0027-333
ESO 079-G003	2	F00298-6431		00:32:02.0	-64:15:14	306.41	-52.74		0.42	8	RI	0.88	25	RI	7.05	38	RI	17.41	91	UT	2616	35.31	10.42	10.51	354	AM0029-643NED02
NGC 0150	1	F00317-2804		00:34:16.2	-27:48:10	21.90	-86.13		0.66	40	RI	1.66	35	MI	9.66	56	MI	17.72	166	UT	1584	16.20^S	9.79	9.95	536	AM0031-280B
NGC 0157	1	F00322-0840		00:34:46.0	-08:23:53	110.27	-70.86		1.61	35	RI	2.17	42	RI	17.93	48	RI	42.43	103	MI	1637	21.92	10.40	10.52	352	
ESO 350-IG038	2	F00344-3349		00:36:52.0	-33:33:19	328.10	-82.85		0.52	19	RI	2.51	34	UT	6.88	41	UT	5.04	27	UT	6156	81.20	11.02	11.22	135	AM0034-334
NGC 0174	1	F00345-2945		00:36:58.4	-29:28:45	355.64	-86.04		0.41	31	UT	1.27	34	UT	11.36	48	UT	19.77	145	UT	3569	47.28	10.79	10.90	234	AM0034-294
NGC 0224	2	F00400+4059	R	00:42:44.8	+41:16:13	121.18	-21.57		163.23	-	RR	107.71	-	RR	536.18	-	RR	2928.40	-	RR	-300	0.79^P	9.33	9.39	600	
NGC 0232	1	F00402-2349		00:42:46.5	-23:33:31	93.72	-85.93	S	0.36	34	UT	1.28	39	RI	10.05	37	UT	17.14	94	UT	6047	79.23	11.19	11.30	115	VV830;AM0040-234
NGC 0247	1	F00446-2101	R	00:47:06.0	-20:45:48	113.86	-83.56		0.14	53	UT	0.89	42	RZ	8.73	50	RZ	23.50	124	RZ	159	3.10^S	8.43	8.45	625	
NGC 0253	1	F00450-2533	R	00:47:33.1	-25:17:15	97.37	-87.96		41.04	35	RZ	154.67	45	RZ	967.81	65	RI	1288.15	644	RI	261	3.10^S	10.29	10.44	378	
NGC 0278	2	F00492+4716		00:52:04.3	+47:33:01	123.04	-15.32		1.65	28	RI	2.65	21	RI	25.03	40	MI	44.46	418	UT	641	11.45	9.90	10.03	519	
NGC 0289	N	F00502-3128		00:52:42.8	-31:12:19	299.10	-85.91		0.45	30	RI	0.60	37	RI	5.47	38	RI	16.90	121	MI	1628	21.60	9.97	10.03	520	VV484;AM0050-312
MCG+12-02-001	2	F00506+7248		00:54:04.0	+73:05:13	123.13	+10.22	U	0.78	52	UT	3.51	28	UT	21.92	32	UT	29.11	424	UT	4706	64.28	11.29	11.44	84	
SMC	2	---	R	00:52:44.7	-72:49:42	302.80	-44.30		67.03	-	RR	270.18	-	RR	6688.9	-	RR	15021.9	-	RR	158	0.06^P	7.84	7.86	627	
UGC 00556	1	F00521+2858		00:54:49.9	+29:14:42	123.82	-33.62		0.34	21	UT	0.45	39	UT	5.57	45	UT	10.84	100	UT	4640	60.71	10.73	10.84	250	
NGC 0300	N	---	R	00:54:52.9	-37:41:09	299.22	-79.42		0.90	29	RZ	1.96	38	RZ	15.30	79	RZ	48.04	208	RZ	142	2.00^P	8.35	8.39	626	AM0052-375
NGC 0317B	2	F00548+4331		00:57:40.9	+43:47:37	124.12	-19.06	R	0.20	23	UT	1.03	22	UT	9.16	36	UT	13.60	142	UT	5334	70.30	11.01	11.11	156	VZw042;KPG019B
NGC 0337	1	F00573-0750		00:59:49.6	-07:34:52	129.12	-70.35		0.24	59	UT	0.76	50	RI	9.07	43	RI	20.11	387	MI	1623	21.59	10.07	10.13	491	
IC 1623A/B	1	F01053-1746		01:07:46.3	-17:30:32	145.18	-79.67	R	1.03	30	RI	3.65	50	UT	22.93	62	UT	31.55	113	UT	6028	78.57	11.50	11.65	47	ARP236;VV114
MCG-03-04-014	1	F01076-1707		01:10:08.5	-16:51:14	146.73	-78.85		0.34	43	UT	0.90	36	UT	7.25	60	UT	10.33	136	UT	10469	136.17	11.49	11.63	49	
ESO 244-G012	2	F01159-4443		01:18:08.6	-44:27:40	287.48	-71.86		0.39:	46	UPn	1.95	37	MI	9.27	53	UT	11.76	92	UT	6866	90.96	11.22	11.39:	90	VV827;AM0115-444
NGC 0470	1	F01171+0308		01:19:45.0	+03:24:36	136.63	-58.71		0.42	36	UT	1.11	74	UT	7.22	43	UT	12.20	117	UT	2374	31.12	10.22	10.37	397	ARP227
CGCG 436-030	1	F01173+1405		01:20:01.4	+14:21:35	133.29	-47.94		0.21	43	UT	1.54	48	UT	10.71	38	UT	9.67	188	UT	9415	122.02	11.55	11.63	48	
UGC 00903	1	F01191+1719		01:21:47.4	+17:35:33	133.13	-44.68		0.37	37	UT	0.56	43	UT	7.78	51	UT	15.45	156	UT	2518	33.16	10.35	10.44	381	
NGC 0520	1	F01219+0331		01:24:34.4	+03:47:29	138.70	-58.06	*	0.90	39	RI	3.22	30	MI	31.52	40	UT	47.37	146	UT	2305	30.22	10.81	10.91	225	ARP157;VV231;KPG031
NGC 0598	1	01310+3024	R	01:33:54.0	+30:40:07	133.62	-31.32		32.69	-	RR	40.26	-	RR	419.65	-	RR	1256.43	-	RR	-179	0.84^P	9.02	9.07	613	
NGC 0613	1	F01319-2940		01:34:17.8	-29:25:10	229.08	-80.29		2.25	47	RI	4.32	36	RI	27.38	38	RI	59.21	78	MI	1475	14.98^S	10.22	10.37	399	VV824;AM0132-294
ESO 353-G020	2	F01325-3623		01:34:49.4	-36:08:25	259.98	-77.11		0.37	33	RI	0.71	22	UT	7.17	36	UT	15.54	129	UT	4797	63.37	10.90	11.00	201	
NGC 0625	2	F01329-4141		01:35:05.8	-41:26:17	273.67	-73.12		0.20	34	UT	1.30	25	RI	5.73	40	UT	8.63	133	UT	386	4.46	8.40	8.57	622	AM0132-414
NGC 0628	1	F01339+1532	R	01:36:41.2	+15:47:29	138.61	-45.70		2.45	38	RZ	2.87	60	RZ	21.54	45	RZ	54.45	229	RI	654	9.99	9.82	9.95	537	
ESO 297-G011/012	2	F01341-3735		01:36:24.7	-37:19:56	262.83	-76.07	S	0.37:	33	RIb	1.55:	27	RIb	7.77:	38	RIb	12.90:	129	MIb	5137	67.88	10.93:	11.09:	163	AM0134-373
IRAS F01364-1042	1	F01364-1042		01:38:52.6	-10:27:15	159.01	-69.93		<0.16	-		0.44	36	UT	6.62	42	UT	6.88	114	UT	14519	188.37	11.73	11.76:	37	
NGC 0643B	2	F01384-7515		01:39:12.9	-75:00:40	298.82	-41.73		0.32	17	UT	0.84	19	UT	7.36	31	UT	13.76	134	UT	3966	54.59	10.74	10.85	245	AM0138-751
NGC 0660	1	F01403+1323		01:43:02.1	+13:38:45	141.60	-47.35		3.05	76	MI	7.30	47	UT	65.52	88	UT	114.74	134	MI	856	12.33	10.38	10.49	362	
III Zw 035	1	F01417+1651		01:44:30.0	+17:06:04	140.66	-43.94		<0.06	-		1.03	59	UT	13.25	50	UT	14.30	155	UT	8257	106.96	11.52	11.56:	65	
NGC 0693	1	F01479+0553		01:50:30.9	+06:08:43	148.34	-53.79		0.24	41	UT	0.55	50	UT	6.74	43	UT	11.83	136	UT	1593	21.21	9.86	9.96	535	
NGC 0695	1	F01484+2220		01:51:14.0	+22:34:55	140.58	-38.23		0.50	23	UT	0.83	41	UT	7.59	31	UT	13.56	167	UT	9770	126.70	11.49	11.63	50	VZw123
NGC 0697	1	F01485+2206		01:51:17.5	+22:21:30	140.68	-38.44		0.65	27	RI	0.91	40	RI	5.38	36	RI	18.01	196	MI	3117	40.81	10.55	10.64	314	
NGC 0701	1	F01486-0956		01:51:04.5	-09:42:04	164.66	-67.60		0.62	28	RI	0.67	35	UT	6.17	51	UT	14.90:	109	UPn	1827	19.87^S	9.86:	9.98:	530	
NGC 0716	1	F01503+1227		01:52:58.8	+12:42:25	145.44	-47.46		0.53	32	RI	0.65	50	UT	6.29	35	UT	12.39	140	UT	4556	59.02	10.76	10.90	233	
UGC 01385	2	F01519+3640		01:54:53.1	+36:54:59	136.80	-24.24	S	0.23:	30	UTg	0.99:	30	UTg	5.89:	37	UPg	7.81:	96	UPg	5621	73.48	10.84:	10.99:	204	MRK0002
UGC 01451	1	F01556+2507		01:58:30.2	+25:21:36	141.51	-35.08		0.25	38	UT	0.73	22	UT	6.70	36	UT	12.48	150	UT	4919	63.96	10.84	10.94	215	
NGC 0772	1	F01565+1845		01:59:19.5	+19:00:23	144.39	-41.02		1.10	22	RI	0.92	42	RI	6.73	39	RI	24.15	141	MI	2409	28.71^S	10.37	10.46	369	ARP078
IRAS 01583+6807	2	01583+6807		02:02:17.4	+68:21:41	129.41	+6.39		0.37:	30	UPn	0.81:	34	UPn	6.44:	70	UPn	12.92:	308	UPn	3577	49.33	10.61:	10.73:	281	
NGC 0835	1	F02069-1022		02:09:23.8	-10:08:13	173.87	-64.98	S	0.36:	31	UPg	0.50:	43	UPg	5.31:	47	UPg	12.60:	105	UPg	4073	52.90	10.64:	10.74:	280	ARP318NED01;MRK1021;HCG016A
NGC 0828	2	F02070+3857		02:10:08.5	+39:11:19	139.19	-21.19		0.72	27	UT	1.07	31	UT	11.46	53	UT	25.33	113	UT	5371	70.37	11.21	11.31	112	VIZw177

TABLE 1—*Continued*

Name				R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}, L_{\rm ir}$)			IG/AGN Names
Common (1)		IRAS (2)		hh:mm:ss.s (3)	°:′:″ (4)	° (5)	° (6)	(7)	Jy (8)	mJy	SMF	Jy (9)	mJy	SMF	Jy (10)	mJy	SMF	Jy (11)	mJy	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
NGC 0838	1	F02071-1023		02:09:38.8	-10:08:46	173.99	-64.94	S	0.68:	31	UPg	1.88:	48	UPg	11.41:	55	RSg	19.94:	197	RSg	3859	50.13	10.84:	11.00:	202	ARP318NED03;MRK1022;HCG016C
NGC 0839	1	F02072-1025		02:09:42.9	-10:11:03	174.08	-64.96	S	0.52:	36	UPg	2.27:	63	UPg	11.67:	47	RSg	13.03:	154	RSg	3934	51.10	10.81:	10.97:	208	ARP318NED04;HCG016D
NGC 0834	2	F02079+3725		02:11:00.9	+37:39:57	139.89	-22.57		0.41	16	UT	0.84	23	UT	6.65	26	UT	12.77	151	UT	4687	61.48	10.81	10.94	216	
IC 0214	1	F02114+0456		02:14:04.1	+05:10:20	157.76	-52.02	S	0.26	51	UT	0.62	54	UT	5.28	39	UT	8.57	108	UT	9061	117.29	11.25	11.37	92	MRK1027
NGC 0873	1	F02141-1134		02:16:33.2	-11:20:50	178.77	-64.53		0.44	43	UT	0.69	58	UT	5.81	49	UT	12.86	134	UT	4036	52.45	10.65	10.77	269	
NGC 0877	1	F02152+1418		02:17:59.3	+14:32:30	152.32	-43.34	R	0.84	33	RI	1.41	48	RI	11.82	23	RI	25.56	158	MI	3874	50.29	10.92	11.04	187	
NGC 0891	2	F02194+4207	R	02:22:33.5	+42:21:18	140.38	-17.41		5.27	36	RZ	7.00	39	RZ	66.46	71	RI	172.23	353	RI	533	8.57^S	10.18	10.27	435	
MCG+05-06-036	2	F02203+3158		02:23:21.6	+32:11:43	144.65	-26.77	R	0.34	22	RI	0.80	27	MI	6.55	44	UT	11.63	76	UT	10130	131.71	11.46	11.59	62	MRK1034;VZw233;KPG067
NGC 0908	1	F02207-2127		02:23:05.3	-21:13:58	202.14	-68.32		1.74	38	RI	2.21	35	RI	17.54	47	RI	52.35	127	MI	1497	15.75^S	10.19	10.27	436	
UGC 01845	2	F02208+4744		02:24:07.1	+47:58:07	138.56	-12.07		0.35	19	UT	1.07	39	UT	10.31	49	UT	15.51	723	UT	4679	61.97	10.95	11.07	172	
NGC 0922	1	F02228-2500		02:25:04.2	-24:47:21	211.86	-68.85		0.33	29	RI	0.74	26	RI	5.53	48	RI	9.68	127	UT	3092	40.57	10.34	10.48	365	AM0222-250
NGC 0925	N	F02242+3321	R	02:27:16.6	+33:34:39	144.88	-25.18		0.56	22	RZ	0.83	34	RI	7.82	41	RZ	21.08	87	RI	553	9.16^P	9.32	9.40	599	
NGC 0958	1	F02281-0309		02:30:43.0	-02:56:18	171.68	-56.11		0.62	30	RI	0.94	35	RI	5.85	40	RI	15.08	198	UT	5896	76.36	11.04	11.17	146	
NGC 0972	2	F02312+2905		02:34:13.2	+29:18:42	148.39	-28.43		2.03	32	RI	3.46	34	RI	33.52	49	RI	59.61	261	UT	1489	20.65	10.54	10.67	306	
NGC 0986	2	F02315-3915		02:33:34.3	-39:02:42	248.69	-65.64		1.42	33	RI	3.65	32	MI	25.06	48	MI	49.88	114	UT	2005	26.43	10.66	10.78	266	AM0231-391
NGC 0992	1	F02345+2053		02:37:25.0	+21:06:01	153.63	-35.38		0.56	29	RZ	1.76	31	RZ	11.40	42	MI	16.72	173	UT	4136	53.83	10.87	11.02	191	IIZw004;IIIZw050
NGC 1022	1	F02360-0653		02:38:31.8	-06:40:40	179.01	-57.37		0.71	23	UT	3.28	30	UT	19.71	35	UT	27.33	111	UT	1461	19.33	10.20	10.35	409	
NGC 1055	1	F02391+0013		02:41:44.3	+00:26:36	171.33	-51.75		2.24	31	RI	2.84	50	RI	23.37	51	RI	65.26	82	MI	996	11.31^S	10.00	10.09	504	
NGC 1050	2	F02395+3433		02:42:36.4	+34:45:54	147.47	-22.75		0.29	23	UT	1.35	32	UT	5.62	31	UT	8.80	106	UT	3901	51.32	10.53	10.72	292	
NGC 1056	2	F02398+2821		02:42:48.3	+28:34:26	150.68	-28.23		0.34	22	UT	0.48	29	UT	5.33	40	UT	10.20	259	UT	1545	21.33	9.79	9.90	546	MRK1183
NGC 1068	1	F02401-0013		02:42:41.4	-00:00:45	172.11	-51.93		39.84	76	MI	87.57	171	UT	196.37	108	MI	257.37	228	MI	1005	13.70	10.89	11.27	122	ARP037
NGC 1083	1	F02433-1534		02:45:40.0	-15:21:30	194.85	-60.99		0.31	27	UT	0.78	27	MI	7.68	98	MI	13.57	326	UT	4101	53.46	10.73	10.84	249	
NGC 1084	1	F02435-0747		02:45:59.7	-07:34:41	182.48	-56.55		1.96	22	RI	3.20	45	RI	29.41	37	RI	58.64	109	MI	1405	18.61	10.42	10.54	343	
UGC 02238	1	F02435+1253		02:46:17.0	+13:05:45	161.29	-41.07		0.36	30	UT	0.65:	42	UPn	8.17	36	UT	15.67	128	UT	6436	83.37	11.17	11.26:	124	
IRAS F02437+2122	1	F02437+2122		02:46:38.3	+21:35:06	155.59	-33.88		0.10:	-	UPn	0.63:	38	UPn	5.90	47	UT	6.67:	459	UPn	6987	90.66	11.02:	11.11:	159	
NGC 1087	1	02438-0042		02:46:25.1	-00:29:53	173.74	-51.65		0.97	25	RI	1.41	61	RI	12.16	56	RI	27.98	151	UT	1509	20.05	10.14	10.26	438	
NGC 1097	2	F02441-3029		02:46:18.7	-30:16:29	226.91	-64.68	S	2.96	28	RI	7.30	41	RI	53.35	38	RI	104.79	122	RI	1289	16.80	10.59	10.71	294	ARP077;AM0244-302
NGC 1134	1	F02509+1248		02:53:40.4	+13:00:51	163.29	-40.09		0.55	32	UT	0.92:	48	UPn	9.09	56	UT	16.43	111	UT	3643	47.41	10.70	10.83:	252	ARP200
UGC 02369	1	F02512+1446		02:54:01.9	+14:58:17	161.90	-38.45	S	0.23	22	UT	1.88	42	RI	8.07	43	UT	11.18	190	UT	9406	121.94	11.44	11.60	54	KPG082
UGC 02403	1	F02533+0029		02:55:57.3	+00:41:33	175.13	-49.14		0.27	19	UT	0.87	35	UT	7.72	42	UT	12.06	90	UT	4143	53.78	10.71	10.83	255	
NGC 1156	2	F02567+2502		02:59:42.9	+25:14:20	156.31	-29.19		0.26	23	RI	0.61	32	MI	6.16	61	RI	12.12	399	RI	375	6.96	8.88	8.98	615	VV531
UGC 02456	2	F02568+3637		02:59:58.1	+36:49:12	149.74	-19.27		0.46	26	UT	2.35	31	UT	11.01	75	UT	12.48	386	UT	3605	47.70	10.72	10.89	238	MRK1066
IRAS F02572+7002	2	F02572+7002		03:02:00.4	+70:14:34	133.61	+10.13		0.31	26	UT	0.82	28	UT	5.62:	128	UPn	9.09:	733	UPn	4886	66.34	10.77:	10.91:	226	
NGC 1187	1	F03004-2303		03:02:37.9	-22:52:00	212.09	-60.05		0.91	30	RI	1.85	31	RI	11.75	30	RI	26.44	111	MI	1396	18.32	10.04	10.18	475	AM0300-230
NGC 1204	1	F03022-1232		03:04:40.5	-12:20:26	194.19	-55.49		0.25	35	UT	1.10	39	MI	7.33	35	UT	10.18	76	UT	4490	58.51	10.74	10.88	241	
NGC 1222	1	F03064-0308		03:08:57.3	-02:57:16	182.60	-49.20		0.50	23	UT	2.28	40	UT	13.06	40	UT	15.41	111	UT	2462	32.26	10.46	10.60	327	MRK0603
NGC 1232	1	F03075-2045		03:09:45.8	-20:34:32	208.77	-57.81		0.88	20	RI	1.32	28	RZ	8.37	37	RI	28.47	63	RI	1682	22.13	10.21	10.28	434	ARP041
UGC 02608	2	F03117+4151		03:15:00.9	+42:02:08	149.51	-13.31		0.44	27	UT	1.45	21	UT	8.18	41	UT	11.27	413	UT	6953	91.16	11.18	11.35	99	MRK1073
NGC 1266	1	F03135-0236		03:16:01.7	-02:25:34	183.67	-47.50		0.25	30	RI	1.20	32	UT	13.13	45	UT	16.89	185	UT	2194	28.86	10.36	10.46	371	
NGC 1275	2	F03164+4119		03:19:46.7	+41:30:37	150.57	-13.26	R	1.06	14	MI	3.44	27	UT	6.99	42	UT	7.20	469	UT	5264	69.33	10.86	11.20	138	MRK1505;MRK9013
NGC 1313	2	F03176-6640	R	03:18:16.7	-66:29:30	283.35	-44.65		0.89	30	RZ	2.48	38	RZ	30.71	66	RZ	63.14	427	RZ	457	4.00	9.11	9.18	609	VV436;AM0317-664
NGC 1309	1	F03197-1534		03:22:07.1	-15:23:53	202.20	-53.15		0.32	20	UT	0.63	24	RI	6.16	19	MI	14.68	129	UT	2135	28.11	10.15	10.24	450	
IRAS F03217+4022	2	F03217+4022		03:25:05.2	+40:33:32	151.97	-13.49	R	0.25	29	UT	0.91	46	UT	7.47	59	UT	10.87	317	UT	7007	91.84	11.16	11.28	119	
NGC 1326	2	F03220-3638		03:23:55.9	-36:27:52	238.77	-56.52		0.52	29	RI	0.93	19	MI	8.01	45	UT	13.99	73	UT	1360	16.13^P	9.70	9.84	556	
IC 1953	1	F03314-2138		03:33:41.7	-21:28:43	213.27	-52.76		0.21	21	MI	0.96	27	UT	8.81	29	UT	11.97	94	UT	1867	24.64	10.06	10.17	478	
NGC 1365	2	F03316-3618	R	03:33:36.5	-36:08:23	237.96	-54.60		5.12	31	RZ	14.28	38	RZ	94.31	33	MI	165.67	126	MI	1636	17.93^P	10.86	11.00	199	VV825
NGC 1377	1	F03344-2103		03:36:38.2	-20:54:08	212.70	-51.93		0.56	20	RI	1.93	30	UT	7.43	37	UT	5.95	108	UT	1792	23.66	9.95	10.13	489	
NGC 1386	2	F03348-3609		03:36:45.5	-35:59:58	237.66	-53.97		0.52	25	UT	1.46	17	UT	5.92	33	UT	9.55	66	UT	868	10.90	9.21	9.42	598	
NGC 1385	1	F03353-2439		03:37:28.8	-24:29:59	218.46	-52.71		1.17	22	RI	2.00	24	RI	17.23	28	RI	36.03	76	UT	1493	15.90^S	10.06	10.18	471	AM0335-244
IRAS F03359+1523	1	F03359+1523		03:38:48.8	+15:32:56	171.57	-31.10		<0.07	-		0.65	43	UT	5.97	41	UT	7.27:	128	UPn	10549	137.11	11.40:	11.47:	81	

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common	IRAS	hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
NGC 1406 2	F03373-3129	03:39:23.2	-31:19:20	229.79	-53.34		1.00	21	RI	1.38	22	MI	12.87	25	MI	27.49	74	UT	1068	18.98^P	10.10	10.22	454	AM0337-312
NGC 1415 1	F03387-2243	03:40:56.8	-22:33:53	215.73	-51.45		0.53	29	RI	0.55	26	UT	5.68	37	MI	12.27	54	UT	1585	20.91	9.83	9.96	533	AM0338-224
NGC 1421 1	F03401-1338	03:42:27.7	-13:29:23	202.80	-47.89		0.80	24	RI	1.40	30	RI	10.95	48	RI	22.62	82	MI	2016	21.20^S	10.11	10.25	447	
IC 342 2	F03419+6756 R	03:46:49.4	+68:05:49	138.17	+10.58		14.92	34	RZ	34.48	38	RZ	180.80	70	RZ	391.66	434	RZ	31	4.60^S	10.01	10.17	477	
NGC 1448 2	F03428-4448 R	03:44:32.1	-44:38:41	251.52	-51.39		1.10	27	RI	1.44	29	RI	10.32	33	RI	32.43	87	MI	1164	11.47^S	9.70	9.78	570	AM0342-444
UGC 02855 2	F03432+6958	03:48:19.4	+70:08:03	136.97	+12.25		2.95	12	RI	4.86	23	RI	42.21	29	RI	89.18	267	MI	1184	19.46	10.63	10.75	276	
UGC 02865 2	F03450+7252	03:50:36.5	+73:01:51	135.20	+14.58		0.23	18	UT	0.66	17	UT	5.60	29	MI	10.73:	205	UPn	4312	59.30	10.70:	10.81:	259	
UGC 02866 2	F03451+6956	03:50:15.3	+70:05:42	137.12	+12.32		1.69	19	MI	6.39	22	UT	39.32	15	UT	51.07	265	UT	1232	20.06	10.52	10.68	303	
CGCG 465-012 2	F03514+1546	03:54:16.4	+15:55:44	174.28	-28.20		0.31:	30	UTg	0.75:	96	UTg	5.65:	78	UTg	8.95:	556	UPg	6662	86.84	11.00:	11.15:	149	KPG095B
NGC 1482 1	F03524-2038	03:54:39.8	-20:30:07	214.12	-47.80		1.55	22	UT	4.68	44	UT	33.36	60	UT	46.73	68	UT	1894	25.09	10.66	10.80	260	
IRAS 03582+6012 2	03582+6012	04:02:30.7	+60:20:33	144.54	+5.75		0.14	25	UT	0.70:	28	UPn	5.65:	96	UPn	7.76:	630	UPn	8997	119.05	11.26:	11.37:	93	
NGC 1511 2	F03594-6746	03:59:37.4	-67:38:06	281.37	-40.73		1.21	24	RI	3.25	24	RI	25.38	42	RI	40.75	124	UT	1329	16.33	10.19	10.32	420	AM0359-674
IC 0356 N	F04025+6940	04:07:47.4	+69:48:43	138.46	+13.11		1.08	46	RI	0.84	21	RI	6.77	59	RI	28.33	618	RI	895	15.86	9.92	9.97	531	ARP213
UGC 02982 1	F04097+0525	04:12:22.4	+05:32:49	186.74	-31.50		0.57	14	UT	0.83	19	UT	8.39	43	UT	16.82	287	UT	5161	67.57	11.01	11.13	153	
NGC 1532 N	F04101-3300	04:12:01.2	-32:53:11	233.18	-46.60		1.00	21	RZ	1.12	17	RZ	9.63	34	RI	30.61	140	RI	1196	15.51	9.94	10.01	523	AM0410-330
ESO 420-G013 2	F04118-3207	04:13:50.1	-32:00:24	231.98	-46.11		0.95	22	RZ	2.22	31	MI	13.66	18	UT	20.88	85	UT	3570	47.60	10.85	11.02	192	AM0411-320
NGC 1546 2	04134-5611	04:14:29.6	-56:04:13	266.11	-43.83		0.46	18	RI	0.73	11	RI	5.40	33	UT	20.05	62	UT	1276	15.93	9.77	9.80	566	AM0413-561
IC 2056 2	F04155-6019	04:16:24.2	-60:12:26	271.36	-42.26		0.49	13	MI	0.76	14	MI	6.06	34	UT	12.67	104	UT	1133	13.75	9.48	9.62	587	
NGC 1559 2	F04170-6254	04:17:37.4	-62:46:59	274.51	-41.20		1.84	18	RI	3.05	26	RI	30.24	23	RI	61.20	165	MI	1292	12.69^S	10.10	10.21	455	AM0417-625
NGC 1530 2	F04170+7510	04:23:27.6	+75:17:43	135.22	+17.76		0.72	22	RI	1.23	21	RI	9.88	43	RI	25.80	128	MI	2484	36.22	10.61	10.70	295	VIIZw012
NGC 1566 2	F04188-5503	04:19:59.8	-54:56:06	264.31	-43.40		1.91	19	RI	3.02	20	RI	22.53	26	RI	58.05	120	RI	1496	19.10	10.41	10.51	355	
ESO 550-IG02 1	F04191-1855	04:21:19.6	-18:48:45	214.77	-41.32		0.22	24	MI	0.51	34	UT	5.69	30	MI	9.47	115	UT	9652	126.43	11.35	11.45	82	
NGC 1572 2	F04210-4042	04:22:42.3	-40:36:03	244.38	-44.84		0.23	22	UT	0.80	17	UT	8.03	32	UT	16.81	112	UT	6111	81.50	11.17	11.24	130	AM0421-404
NGC 1569 2	F04260+6444	04:30:49.5	+64:51:01	143.68	+11.24		1.24	26	RI	9.03	25	RI	54.36	47	RI	55.29	330	MI	-97	4.60^S	9.38	9.49	593	ARP210;VIIZw016
IRAS 04271+3849 2	04271+3849	04:30:32.8	+38:55:47	162.69	-6.48		0.30	22	RI	0.74	46	UT	6.53	61	UT	10.36:	725	UPc	5640	74.65	10.93:	11.06:	177	
IRAS F04296+2923 2	F04296+2923	04:32:49.9	+29:30:00	170.09	-12.47		1.39	36	MI	5.90	69	UT	42.13	122	UT	48.27	3297	UT	2047	28.32	10.85	10.97	205	
NGC 1614 1	F04315-0840	04:34:00.1	-08:34:46	204.45	-34.38		1.38	23	UT	7.50	25	UT	32.12	83	UT	34.32	430	UT	4746	62.61	11.43	11.60	55	ARP186;MRK0617;IIZw015
UGC 03094 2	F04326+1904	04:35:33.9	+19:10:16	178.70	-18.66		0.53	27	RI	0.84	85	UT	6.35	43	UT	12.85	295	UT	7408	97.06	11.21	11.35	97	
ESO 485-G003 1	F04370-2416	04:39:06.5	-24:11:02	223.13	-39.05		0.34	25	UT	0.69	24	UT	6.07	29	UT	11.34	86	UT	4550	60.51	10.75	10.87	242	AM0437-241NED01
NGC 1637 1	F04389-0257	04:41:29.6	-02:51:26	199.56	-30.01		0.65	22	RI	1.47	22	RI	6.61	29	RI	15.71	156	MI	717	10.16	9.30	9.46	596	
NGC 1672 2	F04449-5920	04:45:42.7	-59:14:48	268.78	-38.99		2.47	18	RI	5.25	33	RI	41.21	37	RI	77.92	136	MI	1350	16.82	10.46	10.59	331	VV826;AM0444-592
ESO 203-IG001 2	F04454-4838	04:46:50.3	-48:33:31	254.99	-40.28		<0.05	-		0.45	20	UT	5.86	37	UT	5.38	69	UT	15866	208.86	11.77	11.79:	35	AM0445-483
NGC 1667 1	F04461-0624	04:48:37.7	-06:19:12	204.06	-30.12		0.63	29	RI	0.71	38	UT	6.27	45	MI	14.92	146	UT	4571	60.51	10.83	10.96	211	
IC 0391 2	F04497+7806	04:57:22.4	+78:11:28	134.04	+21.06		0.23	29	UT	0.74	23	MI	5.91	33	MI	9.74	106	UT	1556	24.79	9.93	10.05	517	
MCG-05-12-006 2	F04502-3304	04:52:06.8	-32:59:24	234.96	-38.29		0.22	22	UT	1.21	24	UT	8.15	33	UT	9.85	79	UT	5622	75.05	10.99	11.12	155	
NGC 1691 2	F04519+0311	04:54:37.2	+03:16:00	195.55	-24.05		0.36	21	RI	1.05	24	RI	6.78	47	UT	10.53	99	UT	4581	60.65	10.76	10.91	227	MRK1088
IC 0398 2	F04557-0751	04:58:12.4	-07:46:50	206.80	-28.68		0.21	17	UT	0.55	46	UT	5.63	53	UT	11.03	180	UT	3773	50.29	10.57	10.66	309	
NGC 1720 2	F04569-0756	04:59:19.9	-07:51:34	207.02	-28.46		0.31	27	UT	0.77	35	UT	7.00	55	UT	13.30	181	UT	4186	55.68	10.74	10.85	246	
NGC 1792 2	F05035-3802	05:05:13.7	-37:58:46	241.69	-36.45		3.18	19	RI	4.31	20	RI	35.16	33	RI	86.15	110	MI	1211	12.54^S	10.22	10.33	416	AM0503-380
NGC 1797 2	F05053-0805	05:07:44.2	-08:01:09	208.23	-26.67		0.33	28	UT	1.35	34	UT	9.56	43	UT	12.76	129	UT	4441	59.13	10.86	11.00	203	MRK1093
CGCG 468-002 N	F05054+1718 *	05:08:21.4	+17:22:04	185.04	-13.48	U	0.26	24	UT	1.16	45	UT	9.66	75	UT	14.59	262	MI	5033	66.78	10.99	11.10	160	
NGC 1808 2	F05059-3734	05:07:42.3	-37:30:48	241.21	-35.90		5.40	21	RI	17.00	34	MI	105.55	45	MI	141.76	223	UT	1000	12.61	10.55	10.71	293	AM0505-373
VII Zw 031 2	F05081+7936	05:16:38.9	+79:40:11	133.18	+22.61		0.20	26	UT	0.62	22	UT	5.51	31	UT	10.09	126	UT	16260	214.83	11.84	11.94	23	
IRAS 05083+2441 2	05083+2441	05:11:25.5	+24:45:20	179.29	-8.67		0.19	35	UT	0.85	51	UT	6.92	89	MI	8.36:	470	UPc	6915	91.29	11.10:	11.21:	136	
NGC 1819 N	F05091+0508 *	05:11:45.7	+05:12:02	196.17	-19.40		0.36	20	RI	0.74	26	UT	6.85	57	UT	12.05	186	UT	4470	59.48	10.77	10.90	235	MRK1194
NGC 1832 2	F05097-1544	05:12:03.1	-15:41:17	216.61	-28.90		0.58	20	RI	0.86	22	RI	7.35	32	RI	17.77	130	UT	1937	26.24	10.18	10.28	433	
IRAS 05129+5128 2	05129+5128	05:16:54.9	+51:31:56	158.04	+7.76		0.21	33	UT	1.05	36	RZ	6.56	50	UT	7.34	299	UT	8224	109.16	11.23	11.36	95	
IRAS F05170+0535 N	F05170+0535 *	05:19:40.5	+05:38:42	196.84	-17.48		0.58	33	UT	4.50	44	UT	14.45	48	UT	9.50	498	UT	9005	118.44	11.70	11.81	32	
IRAS F05187-1017 2	F05187-1017	05:21:06.3	-10:14:45	212.05	-24.67		<0.08	-		0.19	20	UT	5.39	34	UT	8.04	64	UT	8474	111.81	11.19	11.23:	131	
IRAS F05189-2524 1	F05189-2524	05:21:01.4	-25:21:46	227.89	-30.29		0.74	16	UT	3.47	18	UT	13.25	29	UT	11.84	77	UT	12816	168.64	11.93	12.11	14	

TABLE 1—*Continued*

Name				R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common (1)		IRAS (2)		hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	HR (7)	Jy (8)	mJy	SMF	Jy (9)	mJy	SMF	Jy (10)	mJy	SMF	Jy (11)	mJy	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
IRAS 05223+1908	2	05223+1908		05:25:16.3	+19:10:46	185.78	-9.14		0.97	37	UT	2.06	83	UT	5.37:	194	UPc	10.69:	1384	UPc	8867	116.77	11.30:	11.59:	56	
LMC	2	---	R	05:23:34.5	-69:45:22	280.47	-32.89		2781.9	-	RR	7824.2	-	RR	82917.0	-	RR	184686.	-	RR	278	0.05^P	8.76	8.83	620	
NGC 1964	2	F05312-2158		05:33:21.8	-21:56:44	225.27	-26.50		0.69	22	RI	1.02	26	RI	9.17	43	RI	23.48	110	MI	1663	18.65^S	9.99	10.09	506	
NGC 1961	2	F05365+6921		05:42:03.9	+69:22:33	143.82	+19.47		0.90	27	RI	0.99	16	RI	7.17	41	RI	23.37	209	MI	3975	55.27	10.93	11.02	196	ARP184
MCG+08-11-002	2	05368+4940		05:40:43.3	+49:41:41	161.67	+9.96		0.52	29	RI	1.08	48	MI	14.03	36	UT	24.82	183	UT	5743	77.22	11.32	11.41	89	
IRAS F05405+0035	N	F05405+0035	*	05:43:05.5	+00:37:10	204.39	-14.87		0.33:	53	UPn	1.04:	37	UPn	7.03:	78	UPn	15.96:	2467	UPn	4290	57.68	10.83:	10.93:	222	
UGC 03351	2	F05414+5840		05:45:48.6	+58:42:02	153.99	+15.01		0.55	26	RZ	0.86	36	UT	14.26	47	UT	29.46	120	UT	4445	60.87	11.15	11.22	134	
IRAS 05442+1732	2	05442+1732		05:47:10.7	+17:33:44	189.93	-5.58		0.50	34	RZ	1.70	43	UT	10.02	41	UT	12.73	249	UT	5613	74.95	11.08	11.25	127	
NGC 2076	2	F05445-1648		05:46:47.9	-16:46:58	221.31	-21.64		0.71	26	RI	0.76	32	RI	7.03	36	RI	20.46	79	UT	2156	29.48	10.33	10.41	389	
UGCA 116	N	F05530+0323	*	05:55:42.0	+03:23:30	203.42	-10.78		0.45	26	UT	1.91	32	UT	6.57	166	UT	5.27	840	UT	789	11.64	9.28	9.47	595	IIZw040
NGC 2139	2	F05590-2340		06:01:07.2	-23:40:25	229.53	-21.14		0.28	22	UT	0.86	18	RI	7.05	35	RI	14.05	121	UT	1843	25.11	10.06	10.16	479	AM0559-234
UGC 03410	2	F06052+8027		06:14:27.0	+80:27:00	133.36	+25.21	S	0.71:	25	RIb	0.92:	19	RIb	9.87:	33	RIb	22.98:	161	MIb	3887	54.78	10.94:	11.04:	188	KPG108B
ESO 121-G006	2	F06070-6147		06:07:29.5	-61:48:28	270.97	-28.82		0.58	13	RI	0.68	11	RI	6.11	18	RI	15.20	70	UT	1211	14.52	9.59	9.70	582	
IRAS F06076-2139	N	F06076-2139	*	06:09:45.1	-21:40:22	228.35	-18.54		0.06	23	UT	0.63	16	UT	6.43	54	UT	8.47	180	UT	11226	148.80	11.51	11.59	58	
NGC 2146	2	F06107+7822		06:18:39.8	+78:21:25	135.65	+24.90	*	6.83	22	MI	18.81	30	MI	146.69	63	MI	194.05	240	UT	885	16.47	10.93	11.07	171	KPG110A
IC 2163	N	F06142-2121	*	06:16:22.9	-21:22:20	228.69	-17.00	*	1.37	23	RI	2.45	24	RI	17.55	26	RI	40.85	140	MI	2688	36.93	10.84	10.96	212	
IRAS 06164+0311	2	06164+0311		06:19:02.7	+03:09:53	206.40	-5.74		1.14	26	RZ	0.85	30	UT	8.34	50	UT	24.88	460	UT	2902	40.17	10.68	10.79	264	
UGCA 127	N	F06185-0828	*	06:20:56.9	-08:29:42	217.11	-10.61		1.41	19	RI	1.62	24	RI	17.61	71	RI	39.38	532	MI	734	10.19	9.71	9.82	562	
UGCA 128	N	F06189-2001	*	06:21:05.4	-20:02:53	227.88	-15.47		0.54	19	RI	0.93	22	RI	5.38	39	RI	11.90	123	UT	1981	27.28	10.05	10.21	461	
NGC 2221	N	F06194-5733		06:20:16.0	-57:34:43	266.44	-26.72	S	0.30:	20	RIg	0.56:	17	UTg	6.41:	63	RZg	13.94:	125	RZb	2532	33.83	10.31:	10.39:	391	AM0619-573NED01
ESO 5-G004	2	F06218-8636		06:05:36.5	-86:37:53	299.20	-27.75		0.61	11	UT	0.81	15	MI	7.48	25	UT	19.25	93	UT	1809	22.36	10.07	10.16	480	
ESO 255-IG007	2	F06259-4708		06:27:21.1	-47:10:38	255.47	-23.45	U	0.32	13	UT	1.42	13	UT	9.05	24	UT	11.85	79	UT	11630	155.32	11.69	11.84	31	AM0626-470
ESO 557-G002	N	F06295-1735	*	06:31:46.3	-17:37:15	226.67	-12.16	U	0.17	18	RI	0.86	31	RI	7.42	28	RI	10.50	189	MI	6339	85.61	11.09	11.19	140	
NGC 2280	2	F06428-2735		06:44:50.0	-27:38:23	237.31	-13.55		0.68	33	RI	0.85	17	RI	7.11	42	RI	18.78	140	MI	1906	21.54^S	10.02	10.13	492	AM0642-273
NGC 2273	2	F06456+6054		06:50:07.8	+60:50:45	154.97	+23.31		0.44	31	UT	1.36	22	UT	6.41	46	UT	9.55	136	UT	1832	28.16	10.05	10.25	446	MRK0620
IRAS 06478-1111	2	06478-1111		06:50:11.2	-11:15:14	222.84	-5.38		0.41	49	UT	0.66	23	UT	5.96	82	UT	8.34:	1534	UPn	2602	36.36	10.24:	10.39:	390	
UGC 3608	2	F06538+4628		06:57:34.0	+46:24:10	170.23	+20.28		0.41	27	RI	1.20	30	UT	8.05	37	UT	11.33	115	UT	6538	88.51	11.15	11.30	113	
IRAS F06592-6313	2	F06592-6313		06:59:40.3	-63:17:53	273.70	-23.14		0.14	16	UT	0.78	15	UT	5.74	23	UT	7.52	101	UT	6882	94.76	11.05	11.17	144	
NGC 2268	2	F07007+8427		07:14:12.5	+84:22:58	129.24	+27.54		0.69	27	RI	0.72	20	RI	5.64	34	MI	14.48	110	UT	2222	30.24^S	10.21	10.34	412	
AM 0702-601	N	F07027-6011		07:03:27.5	-60:16:05	270.66	-21.89	R	0.43	13	RI	1.37	23	RI	6.70	23	RI	9.26	125	MI	9390	127.33	11.39	11.58	63	
NGC 2339	2	F07054+1851		07:08:20.8	+18:46:46	197.84	+12.06		0.59	40	UT	2.40	38	MI	17.60	48	UT	31.82	146	UT	2206	32.10	10.65	10.76	274	
NGC 2342	2	07063+2043		07:09:19.6	+20:38:12	196.20	+13.04	S	0.46:	25	UTg	1.64:	44	RZg	7.73:	37	UPg	24.10:	78	RIb	5276	72.21	11.18:	11.25:	126	
ESO 491-G020/021	2	07077-2729		07:09:47.0	-27:34:10	239.62	-8.51	R	0.91	36	RI	2.70	18	MI	15.23	52	UT	22.85	169	UT	2961	41.10	10.76	10.93	220	AM0707-273
ESO 492-G002	2	07096-2637		07:11:40.7	-26:42:19	239.03	-7.75		0.41:	21	RIg	0.79:	21	UTg	7.94:	36	UPg	14.88:	397	UPg	2611	36.22	10.42:	10.53:	350	AM0709-263
NGC 2276	2	F07104+8550		07:27:17.8	+85:45:16	127.67	+27.71	S	1.07	23	RI	1.63	26	RI	14.29	58	RI	28.97	133	UT	2380	35.83	10.68	10.81	257	ARP025;VIIZw134;KPG127A
NGC 2350	2	F07104+1221		07:13:11.9	+12:15:58	204.35	+10.33		0.25	32	UT	0.96	41	UT	6.31	82	UT	8.45	451	UT	1910	28.04	10.03	10.17	476	
NGC 2369	2	F07160-6215		07:16:37.7	-62:20:35	273.31	-21.01		0.74	27	UT	2.20	18	UT	20.35	32	UT	38.31	146	UT	3237	44.02	11.00	11.10	162	AM0716-621
ESO 428-G023	2	07202-2908		07:22:10.7	-29:14:13	242.36	-6.83		0.45	21	RI	1.36	21	MI	9.94	62	UT	17.69	873	UT	3026	42.07	10.63	10.76	275	
UGC 03829	2	F07204+3332		07:23:43.1	+33:26:32	185.05	+20.83		0.42	26	RI	1.73	52	RI	6.95	43	UT	8.91	165	UT	4031	56.37	10.67	10.88	239	MRK1199
NGC 2397	2	F07214-6854		07:21:19.5	-69:00:02	280.30	-22.60		0.73	11	RI	1.08	13	RI	8.48	33	MI	19.18	206	UT	1355	16.08	9.79	9.92	544	AM0721-685
ESO 428-G028	2	07216-2957		07:23:38.3	-30:03:08	243.24	-6.92		0.45	22	RI	0.78	18	RI	6.10	26	MI	14.82	262	UT	2258	31.08	10.24	10.35	408	
IRAS 07251-0248	2	07251-0248		07:27:37.5	-02:54:55	219.69	+6.69		<0.07	-		0.66	33	UT	6.49	32	UT	6.35	330	UT	26257	343.74	12.27	12.32:	4	
NGC 2388	2	F07256+3355		07:28:54.2	+33:49:07	185.05	+21.97	S	0.69:	38	RZg	1.98:	57	UTg	16.74:	42	UPg	24.58:	152	UPg	4134	57.80	11.10:	11.23:	133	
NGC 2403	2	F07320+6543		07:36:51.3	+65:36:30	150.56	+29.19		2.82	24	RZ	3.57	55	RZ	41.47	81	RZ	99.13	212	RI	161	3.22^P	9.10	9.19	608	
MCG+02-20-003	2	F07329+1149		07:35:42.5	+11:42:36	207.29	+15.06	R	0.26:	26	UTg	0.81:	40	UTg	9.38:	39	UTg	13.33:	110	UPg	4881	67.63	10.98:	11.08:	166	
NGC 2415	2	F07336+3521		07:36:56.0	+35:14:31	184.14	+23.98		0.61	31	RI	1.19	34	RI	8.75	33	UT	13.58	70	UT	3784	53.41	10.76	10.92	224	
NGC 2442	2	F07365-6924		07:36:25.9	-69:31:17	281.29	-21.50		1.62	16	RZ	1.83	11	RZ	14.85	30	RI	46.61	163	RI	1449	17.33	10.22	10.30	428	AM0736-692
ESO 163-G011/010	2	F07369-5504		07:38:04.3	-55:11:27	267.42	-15.77	S	0.40	17	UT	0.75	18	RI	6.18	34	RI	13.27	124	UT	2828	38.07	10.39	10.50	358	AM0737-550
ESO 209-G009	2	F07568-4942		07:58:14.9	-49:51:09	264.01	-10.58		0.87	16	RI	1.29	21	RI	12.09	53	RI	31.84	792	RI	1119	11.81^S	9.73	9.81	564	AM0756-494
NGC 2525	2	F08032-1117		08:05:37.9	-11:25:40	231.85	+10.79		0.68	38	RI	0.89	31	RI	7.31	32	RI	16.83	120	UT	1581	22.69	10.03	10.16	481	

TABLE 1—*Continued*

Name				R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common (1)		IRAS (2)		hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	(7)	Jy (8)	mJy	SMF	Jy (9)	mJy	SMF	Jy (10)	mJy	SMF	Jy (11)	mJy	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
NGC 2566	2	08166-2520		08:18:45.6	-25:29:59	245.55	+5.88		1.26	27	RI	4.03	25	MI	24.33	50	RI	37.23	174	UT	1637	22.43	10.44	10.60	330	AM0816-252
NGC 2613	2	F08311-2248		08:33:23.2	-22:58:28	245.36	+10.06		1.05	29	MI	1.32	16	RZ	7.48	39	RI	25.86	152	UT	1678	20.18^S	10.09	10.18	470	AM0831-224
IRAS F08339+6517	1	F08339+6517		08:38:22.7	+65:07:14	150.45	+35.60		0.25	25	UT	1.13	21	UT	5.81	35	UT	6.48	88	UT	5730	79.33	10.89	11.05	181	
NGC 2623	1	F08354+2555		08:38:23.8	+25:45:17	198.84	+33.97		0.21	23	UT	1.81	41	UT	23.74	28	UT	25.88	111	UT	5538	77.43	11.48	11.54	72	ARP243;VV079
IRAS 08355-4944	2	08355-4944		08:37:02.3	-49:54:32	267.52	-5.39		0.64	25	RZ	2.27	25	UT	9.44	47	UT	8.02	809	UT	7764	107.50	11.38	11.56	67	
ESO 432-IG006	2	08424-3130		08:44:27.6	-31:41:41	253.92	+6.83	U	0.58	23	MI	0.84	27	UT	6.48	42	MI	9.31	319	UT	4846	68.55	10.83	11.02	195	
NGC 2633	1	F08425+7416		08:48:05.0	+74:05:55	139.68	+33.87		0.92	20	RZ	2.47	26	MI	15.98	32	UT	25.43	113	UT	2187	33.65	10.62	10.77	268	ARP080;VV519;KPG169
NGC 2665	2	F08437-1907		08:46:00.3	-19:18:08	244.07	+14.59		0.29	34	UT	1.09	25	UT	6.43	42	UT	9.62	195	UT	1734	24.35	9.93	10.08	507	
ESO 563-G028	2	F08485-2146		08:50:45.1	-21:57:45	246.96	+13.89		0.36	24	UT	0.81	21	MI	8.21	27	UT	15.84	152	UT	2574	36.31	10.44	10.54	345	
NGC 2683	1	F08495+3336		08:52:40.1	+33:25:23	190.45	+38.76		1.05	30	RI	1.15	38	RZ	9.70	39	RI	30.68	185	RI	425	7.34^S	9.28	9.36	601	
NGC 2681	1	F08499+5130		08:53:33.6	+51:18:46	167.33	+39.68		0.43	24	RI	0.58	26	UT	7.14	41	UT	11.22	74	UT	642	12.47	9.40	9.53	590	
ESO 60-IG016	2	F08520-6850		08:52:31.1	-69:01:59	284.24	-15.38		0.15:	16	UPn	0.73	15	MI	5.71	28	UT	6.12	139	UT	13888	186.88	11.65	11.76:	38	AM0852-685
NGC 2706	2	F08536-0222		08:56:12.2	-02:33:47	230.81	+26.11		0.56	25	RI	0.59	32	RZ	6.64	28	MI	14.01	80	UT	1631	24.36	10.02	10.15	485	
IRAS F08572+3915	1	F08572+3915		09:00:25.0	+39:03:56	183.40	+41.00		0.33	31	UT	1.76	33	UT	7.30	28	UT	4.77	152	UT	17455	232.19	12.01	12.10	15	
ESO 564-G011	2	F09004-2031		09:02:45.9	-20:43:28	247.73	+16.85	S	0.52	28	RI	1.32	26	UT	8.95	29	UT	11.41	132	UT	2596	36.73	10.41	10.57	336	
IRAS 09022-3615	2	09022-3615		09:04:12.8	-36:27:02	260.24	+6.95		0.20	32	UT	1.19	20	UT	11.64	57	UT	11.08	356	UT	17880	238.84	12.19	12.26	8	
NGC 2748	1	F09080+7640		09:13:44.5	+76:28:31	136.25	+34.36		0.60	31	RI	0.87	28	RI	8.02	36	RI	17.88	393	UT	1477	24.68	10.13	10.25	445	
UGCA 150	N	F09083-0841		09:10:49.5	-08:53:36	238.91	+25.59		0.64	32	RI	0.73	27	RI	6.03	29	RI	20.65	126	RI	1838	26.85	10.24	10.30	426	
NGC 2782	1	F09109+4019		09:14:05.7	+40:06:47	182.15	+43.68		0.64	38	RI	1.51	36	UT	9.17	52	UT	13.76	139	UT	2600	39.51	10.51	10.68	302	ARP215
IRAS F09111-1007	2	F09111-1007		09:13:37.6	-10:19:28	240.64	+25.30	U	0.11	24	MI	0.74	40	RI	6.75	37	UT	10.68	246	UT	16273	218.20	11.91	12.00	21	
NGC 2785	1	F09120+4107		09:15:16.7	+40:54:57	181.04	+43.91		0.49	30	UT	1.09	32	UT	8.40	23	UT	15.79	116	UT	2734	41.27	10.56	10.69	300	
ESO 126-G002	2	09122-6034		09:13:30.2	-60:47:24	279.26	-8.38		0.54	25	UT	2.04	17	UT	11.61	77	UT	15.39	179	UT	2858	37.25	10.54	10.70	296	
UGC 04881	1	F09126+4432		09:15:54.8	+44:19:58	176.30	+43.94		0.14	37	UT	0.61	34	UT	6.07	48	UT	10.33	109	UT	11957	161.16	11.60	11.69	43	ARP055;VV155;Grasshopper
NGC 2798	1	F09141+4212		09:17:24.5	+41:59:52	179.53	+44.30	S	0.76	22	UT	3.21	31	UT	20.60	48	UT	29.69	156	UT	1706	27.84	10.55	10.69	301	ARP283NED01;VV050a;KPG195A
NGC 2856	1	F09209+4927		09:24:17.2	+49:14:53	169.24	+44.81	S	0.35:	31	UTg	0.94:	26	UTg	5.73:	39	UPg	10.15:	140	UPg	2638	40.08	10.35:	10.50:	359	ARP285NED02
NGC 2903	1	F09293+2143	R	09:32:10.5	+21:30:05	208.71	+44.54		5.29	35	RZ	8.64	69	RZ	60.54	52	RI	130.43	208	RI	566	8.26^S	10.05	10.19	469	
UGC 05101	1	F09320+6134		09:35:48.8	+61:21:22	152.48	+42.89		0.25:	27	UPn	1.02	27	UT	11.68	34	UT	19.91	137	UT	11785	158.61	11.87	11.95:	22	
MCG+08-18-013	1	F09333+4841		09:36:39.3	+48:28:19	169.79	+46.96	S	0.10	19	UT	0.75	28	UT	5.68	28	UT	8.42	143	UT	7777	107.06	11.18	11.28	118	
ESO 091-G016	2	09369-6315		09:38:13.6	-63:29:12	283.25	-8.26		0.31	16	UT	0.79	19	UT	6.63	24	UT	10.11	97	UT	2162	26.56	10.02	10.15	484	
NGC 2967	1	F09395+0033		09:42:04.2	+00:20:09	235.38	+37.28		0.64	33	RI	1.09	40	RZ	5.69	27	RI	14.48	738	UT	1892	28.65	10.16	10.31	424	
NGC 2966	1	F09395+0454		09:42:11.2	+04:40:22	230.76	+39.68		0.46	34	RI	0.80	40	UT	5.36	48	UT	8.24	234	UT	2044	31.16	10.07	10.25	441	MRK0708
NGC 2964	1	F09399+3204		09:42:55.3	+31:50:44	194.62	+49.02		0.82	29	MI	1.92	43	RI	12.07	31	UT	25.42	110	UT	1332	22.82	10.23	10.36	402	MRK0404;KPG210A
NGC 2976	1	F09431+6809		09:47:14.5	+67:55:10	143.91	+40.90		0.92	20	RI	1.71	20	RI	13.09	29	RI	33.43	344	UT	11	2.68	8.46	8.55	623	
NGC 2992	N	09432-1405		09:45:42.0	-14:19:35	249.71	+28.78	S	0.63	25	RI	1.38:	34	UPn	7.51:	46	UPn	17.22:	146	RIb	2314	33.15	10.37:	10.52:	353	ARP245NED01
NGC 2993	2	F09433-1408		09:45:47.3	-14:21:58	249.76	+28.77	S	0.63	22	RZ	1.61:	42	UPn	10.58:	53	UPn	23.07:	237	RIb	2420	34.69	10.55:	10.67:	307	ARP245NED02
IC 0563/4	1	F09437+0317		09:46:20.3	+03:03:22	233.26	+39.69	S	0.46	21	RI	0.54	39	RI	5.26:	26	RIb	12.18:	58	RIb	6136	87.01	11.07:	11.19:	142	ARP303
NGC 2985	1	F09458+7230		09:50:20.7	+72:16:47	139.01	+38.68		0.90	20	RI	0.86	17	RI	6.31	38	RI	21.28	118	MI	1322	22.92	10.12	10.21	457	
NGC 3059	2	F09496-7341		09:50:08.1	-73:55:24	291.15	-15.36		1.06	20	RI	1.62	18	RI	13.52	32	RI	30.51	94	MI	1260	14.24	9.88	10.00	526	
NGC 3044	1	F09510+0149		09:53:40.0	+01:34:53	236.19	+40.37		0.60	22	MI	1.11	86	UT	9.64	30	UT	19.38	89	UT	1292	19.98	10.00	10.12	494	
NGC 3031	1	F09514+6918	R	09:55:33.6	+69:03:56	142.09	+40.90		5.86	-	RR	5.42	-	RR	44.73	-	RR	174.02	-	RR	-34	3.63^P	9.42	9.47	594	KPG218A
NGC 3034	1	F09517+6954	R	09:55:53.1	+69:40:41	141.41	+40.57		79.43	34	RZ	332.63	46	RZ	1480.42	74	MI	1373.69	694	RI	187	3.63^P	10.61	10.77	270	ARP337;KPG218B
IC 2522	N	F09529-3253		09:55:07.3	-33:08:04	265.49	+16.63	S	0.43:	37	RIg	0.64:	26	RIg	6.47:	44	RZg	18.06:	219	RZg	3012	41.16	10.57:	10.63:	317	AM0952-325NED02
NGC 3067	1	F09554+3236		09:58:20.3	+32:22:19	194.22	+52.32		0.60	21	UT	1.17	38	MI	8.91	30	UT	18.11	104	UT	1476	25.09	10.17	10.30	427	
UGC 5376	1	F09578+0336		10:00:26.5	+03:22:29	235.52	+42.79		0.29	23	UT	0.62	48	UT	5.36	50	UT	10.41	267	UT	2050	31.28	10.13	10.24	448	
NGC 3095	2	F09578-3118		10:00:06.2	-31:33:15	265.27	+18.51		0.40	33	MI	1.00	28	MI	8.33	42	UT	16.22	185	UT	2723	36.86	10.46	10.57	335	AM0957-311
NGC 3079	1	F09585+5555		10:01:57.9	+55:40:51	157.81	+48.36		2.54	30	RI	3.61	27	RI	50.67	64	RI	104.69	141	MI	1142	18.19^S	10.65	10.73	282	
NGC 3094	1	F09587+1600		10:01:25.5	+15:46:15	220.09	+49.06		0.82	32	UT	2.89	62	UT	10.88	44	UT	13.89	71	UT	2404	37.04	10.50	10.73	285	
NGC 3077	1	F09593+6858		10:03:19.5	+68:43:59	141.90	+41.66		0.76	23	RI	1.88	25	UT	15.90	39	MI	26.53	132	MI	-5	2.46	8.35	8.47	624	
NGC 3110	1	F10015-0614		10:04:02.7	-06:28:35	246.38	+37.39		0.59:	35	UPg	1.13:	48	UPg	11.28:	33	UPg	22.27:	85	UPg	5091	73.48	11.21:	11.31:	111	
IC 2545	2	F10038-3338		10:06:04.2	-33:53:04	267.84	+17.49	*	0.28	28	UT	1.21	29	UT	9.79	66	UT	9.02	263	UT	10267	141.58	11.64	11.73	41	AM1003-333

TABLE 1—*Continued*

Name			R.A. (J2000)	DEC	ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	$\log(L_{\rm fir}, L_{\rm ir})$			IG/AGN Names
Common		IRAS	hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
NGC 3125	N	F10042-2941	10:06:32.3	-29:56:06	265.33	+20.65		0.31	25	RI	0.74	36	UT	5.33	31	MI	6.67:	396	UTc	865	9.39	8.99:	9.15:	611	AM1004-294
IC 2554	2	10075-6647	10:08:50.4	-67:01:53	288.02	-8.99		1.10	21	MI	2.71	20	UT	16.96	34	UT	34.84	264	MI	1378	15.72	10.04	10.18	474	AM1007-664
NGC 3166	1	F10111+0340	10:13:44.4	+03:25:38	238.14	+45.52	S	0.29	28	UT	0.32	57	UT	5.78	44	UT	13.25	136	UT	1345	21.27	9.87	9.94	540	KPG228A
NGC 3169	1	F10116+0342	10:14:15.2	+03:27:57	238.20	+45.65	S	1.15	31	RI	0.94	28	RI	7.88	38	RI	22.06	83	MI	1305	20.61	10.05	10.18	472	KPG228B
NGC 3175	2	F10124-2837	10:14:42.9	-28:52:25	266.12	+22.58		1.06	23	RI	1.67	22	RI	13.70	37	RI	31.49	70	UT	1101	13.45	9.85	9.96	532	VV796;AM1012-283
NGC 3147	1	F10126+7338	10:16:55.4	+73:23:54	136.29	+39.47		1.95	21	RZ	1.03	16	RI	8.17	38	RI	29.61	222	MI	2756	41.41	10.78	10.91	229	
NGC 3177	1	F10138+2122	10:16:33.5	+21:07:27	214.02	+54.30		0.66	30	RI	1.30	39	RI	9.20	30	UT	16.78	105	UT	1302	22.34	10.05	10.20	465	MRK9018
NGC 3184	1	10152+4140	10:18:12.1	+41:25:53	178.33	+55.62		0.93	32	RI	1.32	25	RI	8.72	29	RI	28.58	118	RI	593	12.58^S	9.72	9.80	567	
NGC 3198	1	F10168+4547	10:19:55.6	+45:32:54	171.22	+54.83		0.71	21	RI	1.08	29	RI	7.15	41	RI	18.44	103	RI	663	13.79^P	9.62	9.75	576	
IRAS F10173+0828	1	F10173+0828	10:20:00.1	+08:13:31	233.59	+49.52		0.19	29	RI	0.55	49	MI	5.61	25	UT	5.86	100	UT	14669	198.65	11.70	11.80	34	
NGC 3221	1	F10196+2149	10:22:20.5	+21:34:10	213.98	+55.71		0.52	29	RI	0.93	46	RI	7.72	55	MI	18.76	70	UT	3971	58.68	10.90	11.00	200	
NGC 3227	1	F10207+2007	10:23:31.4	+19:51:50	217.00	+55.45	S	0.94	21	RI	1.83	45	UT	8.42	35	RI	17.30	131	UT	1157	19.81	9.94	10.13	487	ARP094NED02;VV209a;KPG234B
ESO 500-G034	2	F10221-2318	10:24:32.4	-23:33:17	264.50	+28.14		0.38	30	RI	1.43	32	MI	10.46	22	UT	16.01	131	UT	3662	52.10	10.81	10.94	218	
ESO 317-G023	2	F10225-3903	10:24:43.4	-39:18:29	274.31	+15.27		0.34	33	UT	0.89	19	UT	13.83	49	UT	23.08	172	UT	2892	37.69	10.67	10.74	278	
NGC 3256	2	F10257-4339	10:27:52.4	-43:54:25	277.38	+11.73		3.57	31	MI	15.69	45	UT	102.63	52	MI	114.31	296	UT	2781	35.35	11.43	11.56	66	VV065;AM1025-433
NGC 3263	2	F10270-4351	10:29:12.3	-44:07:13	277.70	+11.67	S	0.53	22	UT	0.91	29	UT	8.59	54	UT	19.00	112	UT	3015	38.79	10.56	10.66	308	AM1027-435
NGC 3278	2	F10293-3941	10:31:35.7	-39:57:25	275.82	+15.44		0.59	16	RI	0.91	25	RZ	7.10	21	MI	14.66	75	UT	2961	38.41	10.45	10.59	332	
NGC 3281	2	F10295-3435	10:31:52.1	-34:51:14	273.01	+19.78		0.91	33	UT	2.63	31	UT	6.73	27	UT	7.89	152	UT	3200	42.91	10.42	10.73	283	AM1029-343
NGC 3294	1	F10333+3735	10:36:15.3	+37:19:29	184.62	+59.84		0.86	29	RI	0.69	27	UT	5.98	32	UT	16.58	109	UT	1586	23.69^S	10.05	10.18	473	
NGC 3310	1	F10356+5345	10:38:46.2	+53:30:08	156.60	+54.06		1.54	32	RI	5.32	28	MI	34.56	54	MI	44.19	172	UT	1060	19.81	10.45	10.61	326	ARP217;VV356;VV406
NGC 3344	1	F10407+2511	10:43:31.5	+24:55:18	210.04	+61.26		1.01	25	RI	1.35	50	RZ	9.71	74	RI	28.92	268	RI	556	6.70	9.18	9.28	605	
ESO 264-G036	2	F10409-4556	10:43:07.0	-46:12:43	280.94	+11.11		0.36	30	UT	0.67	41	UT	6.07	61	UT	13.37	564	UT	7000	100.50	11.25	11.35	100	
NGC 3351	1	F10413+1157	10:43:58.1	+11:42:10	233.95	+56.37		1.04	34	RI	2.79	53	RI	19.66	62	MI	41.10	102	MI	769	9.99^P	9.72	9.83	559	
NGC 3359	1	F10433+6329	10:46:36.6	+63:13:25	143.60	+48.59		0.44	16	RI	0.54	21	RI	6.49	42	RI	17.16	145	RI	971	16.81^S	9.76	9.83	558	
NGC 3367	1	F10439+1400	10:46:35.2	+13:45:02	231.31	+57.97		0.51	49	UT	1.98	51	RZ	6.44	37	RI	13.48	86	UT	3039	46.13	10.57	10.76	273	
NGC 3368	1	F10441+1205	10:46:45.6	+11:49:13	234.43	+57.01		0.98	36	RI	0.51	50	MI	10.51	64	RI	31.63	148	MI	916	10.51^P	9.61	9.67	584	
NGC 3395/6	1	F10470+3315	10:49:52.2	+32:59:18	192.91	+63.15	S	0.47	27	RI	1.47	44	RI	10.92	33	RI	17.83	97	MI	1623	27.85	10.29	10.42	387	ARP270;VV246
NGC 3424	1	F10489+3310	10:51:46.0	+32:54:03	193.03	+63.55	S	0.52	29	UT	0.92	40	UT	8.44	57	UT	17.05	163	UT	1494	26.17	10.18	10.30	430	
NGC 3432	1	F10497+3653	10:52:32.7	+36:37:30	184.76	+63.17		0.25	27	RI	0.43	29	RI	8.42	42	RI	16.01	139	RI	616	9.48^S	9.28	9.34	603	ARP206NED02;VV011a
NGC 3437	1	F10498+2311	10:52:36.8	+22:55:58	215.19	+62.82		0.68	32	RI	1.35	36	MI	10.91	43	UT	20.29	176	UT	1239	22.23	10.13	10.26	439	
NGC 3448	1	F10516+5434	10:54:38.7	+54:18:25	153.05	+55.45	S	0.22	20	RZ	0.64	30	UT	6.64	27	MI	11.17	80	UT	1350	24.06	9.96	10.06	513	ARP205
NGC 3471	1	F10560+6147	10:59:08.7	+61:31:53	143.73	+50.82		0.33	15	UT	1.26	17	MI	8.31	32	UT	12.21	141	UT	2129	34.07	10.33	10.47	368	MRK0158
IRAS F10565+2448	1	F10565+2448	10:59:17.4	+24:32:38	212.45	+64.69		0.20	30	UT	1.27	31	MI	12.10	25	UT	15.01	122	UT	12927	176.26	11.93	12.02	17	
ESO 264-G057	2	F10567-4310	10:59:02.4	-43:26:33	282.21	+14.86	S	0.34	23	UT	0.81	29	UT	5.69	37	UT	12.16:	746	UPc	5156	75.74	10.96:	11.08:	168	AM1056-430NED01;AM1056-431
ESO 093-G003	2	10574-6603	10:59:22.8	-66:19:23	292.00	-5.86		0.67	20	RI	1.00	26	MI	10.05	62	MI	17.89	532	UT	1890	22.07	10.07	10.21	460	
NGC 3486	1	F10576+2914	11:00:23.6	+28:58:38	202.07	+65.49		0.62	28	RI	0.24	46	RI	6.26	34	RI	16.42	88	MI	682	9.23	9.22	9.31	604	
NGC 3504	1	F11004+2814	11:03:11.1	+27:58:22	204.60	+66.04		1.11	30	UT	4.03	45	MI	21.43	52	UT	34.05	86	UT	1550	27.07	10.56	10.72	289	
NGC 3508	1	F11005-1601	11:03:00.1	-16:17:23	268.55	+39.24		0.52	34	RI	0.91	48	UT	6.82	52	UT	13.90	207	UT	3889	56.26	10.76	10.90	232	
NGC 3511	1	F11009-2249	11:03:24.2	-23:05:15	272.90	+33.41	U	1.03	47	RI	0.83	27	RI	8.98	67	RI	21.87	197	MI	1106	13.60	9.69	9.82	561	AM1100-224
MCG+07-23-019	1	F11011+4107	11:03:54.2	+40:50:58	174.19	+63.99	U	0.20	19	RI	0.71	22	RI	6.38	34	UT	10.30	106	UT	10438	143.21	11.51	11.61	52	ARP148;VV032;Mayall'sObject
NGC 3521	1	F11032+0014	11:05:49.2	-00:02:15	255.54	+52.83		5.04	70	RI	5.46	82	RI	49.19	100	RI	121.76	405	RI	736	6.84	9.84	9.96	534	
ESO 265-G007	2	F11055-4615	11:07:48.8	-46:31:38	284.99	+12.70		0.54	28	RI	0.84	28	RI	6.45	36	RI	17.78	204	UT	1067	11.66	9.46	9.55	589	AM1105-461
ESO 215-G031	2	F11082-4849	11:10:34.7	-49:06:05	286.45	+10.52		0.33	21	UT	0.72	13	UT	5.38	88	UT	10.12	306	UT	2722	32.40	10.15	10.29	432	
NGC 3568	2	F11084-3710	11:10:50.4	-37:27:05	281.71	+21.24		0.93	59	RI	1.05	22	RI	8.03	40	RI	15.95	267	UT	2445	30.06	10.27	10.45	374	
NGC 3556	1	F11085+5556	11:11:31.5	+55:40:23	148.31	+56.25		2.29	27	RI	4.19	27	RI	32.55	68	RI	76.90	231	RI	698	13.85	10.26	10.37	400	
NGC 3583	1	F11113+4835	11:14:09.7	+48:19:12	158.12	+61.63		0.60	26	MI	0.77	23	UT	7.43	36	RI	17.92	106	UT	2168	35.09	10.43	10.54	347	
NGC 3593	1	F11120+1305	11:14:37.4	+12:49:02	240.43	+63.21		1.52	43	MI	1.96	69	UT	18.47	47	UT	36.44	87	UT	578	5.04	9.08	9.22	607	
NGC 3597	1	F11122-2327	11:14:40.9	-23:43:33	276.02	+34.04		0.67	28	RI	2.18	44	RZ	12.84	36	UT	16.21	126	UT	3485	48.31	10.80	10.97	206	AM1112-232
NGC 3620	2	F11143-7556	11:16:04.1	-76:12:54	297.22	-14.41		1.29	20	MI	4.74	23	MI	45.75	60	UT	67.17	649	UT	1680	19.66	10.59	10.70	297	
NGC 3621	2	F11158-3232 R	11:18:16.7	-32:48:47	281.21	+26.10		3.53	25	RZ	4.44	48	RZ	29.32	44	RI	77.34	144	RI	727	6.64^P	9.61	9.74	577	AM1115-323

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}, L_{\rm ir}$)			IG/AGN Names
Common (1)	IRAS (2)	hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	(7)	Jy (8)	mJy	SMF	Jy (9)	mJy	SMF	Jy (10)	mJy	SMF	Jy (11)	mJy	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
NGC 3627	1 F11176+1315	11:20:15.3	+12:59:32	241.96	+64.42		4.82	35	RI	8.55	71	RZ	66.31	59	RI	136.56	118	RI	740	10.04^P	10.24	10.38	395	ARP317NED02;VV308a
NGC 3628	1 F11176+1351	11:20:17.4	+13:35:19	240.86	+64.78		3.13	48	MI	4.85	63	UT	54.80	77	MI	105.76	240	UT	825	10.04^P	10.14	10.25	442	ARP317NED03;VV308b
NGC 3631	1 F11182+5326	11:21:01.2	+53:10:18	149.53	+59.03		1.07	23	RI	1.45	32	RI	9.71	40	RI	27.64	128	MI	1158	21.58	10.19	10.30	429	ARP027;VV363
CGCG 011-076	1 F11186-0242	11:21:13.3	-02:59:08	263.57	+52.85		0.48	39	RI	0.76	50	UT	5.85	57	MI	9.18	253	UT	7464	106.27	11.20	11.37	94	
NGC 3655	1 F11202+1651	11:22:53.5	+16:35:28	235.58	+66.96		0.67	45	MI	1.15	46	RI	8.48	49	MI	19.75	160	UT	1473	26.42	10.23	10.35	407	
NGC 3672	1 F11224-0931	11:25:01.6	-09:47:34	270.42	+47.55		1.01	39	RI	0.95	59	RI	9.23	62	RI	25.69	248	MI	1899	27.70	10.37	10.47	366	
IC 2810	1 F11231+1456	11:25:47.3	+14:40:23	240.61	+66.50	R	0.14	34	UT	0.62	62	UT	6.20	38	UT	10.39	136	UT	10299	142.89	11.50	11.59	61	
NGC 3675	1 F11234+4351	11:26:09.0	+43:35:04	163.66	+66.19		1.43	20	RI	1.67	37	RI	10.48	40	RI	36.56	199	MI	804	12.69^S	9.84	9.92	543	
NGC 3683	1 F11246+5709	11:27:30.6	+56:52:44	143.82	+56.71		1.16	34	MI	1.48	20	UT	13.87	47	UT	29.30	95	UT	1716	29.06	10.50	10.63	318	
ESO 319-G022	2 F11255-4120	11:27:56.1	-41:37:06	286.61	+18.59		0.16	34	UT	0.95	31	UT	7.68	30	UT	9.52	186	UT	4902	72.26	10.93	11.04	185	AM1125-412
NGC 3690/IC 694	1 F11257+5850	11:28:32.6	+58:33:40	141.90	+55.41	U	3.97	20	MI	24.51	31	MI	113.05	52	UT	111.42	133	UT	3159	47.74	11.74	11.88	27	MRK171;ARP299;VV118;KPG288
NGC 3717	2 F11290-3001	11:31:31.2	-30:18:24	283.13	+29.47		0.85	26	RI	1.32	40	RI	11.92	29	RI	26.04	92	MI	1733	21.39^S	10.18	10.29	431	AM1129-300
NGC 3726	1 11306+4718	11:33:19.9	+47:01:49	155.38	+64.88		0.70	27	RI	0.88	22	RI	6.21	25	RI	20.91	117	RI	851	14.53^S	9.71	9.78	569	
NGC 3732	N F11316-0934	11:34:13.4	-09:50:40	273.45	+48.56		0.25	28	UT	0.71	43	UT	5.36	26	MI	7.75	144	UT	1692	25.08	9.87	10.01	522	
NGC 3735	1 F11330+7048	11:35:57.4	+70:32:08	131.74	+45.28		0.64	31	UT	1.12	18	UT	6.71	43	UT	17.83	90	UT	2696	36.04^S	10.45	10.57	339	
NGC 3810	1 F11383+1144	11:40:57.8	+11:28:18	252.93	+67.22		1.46	39	RI	1.62	58	RI	13.63	42	RI	35.07	157	MI	1001	15.36^S	10.00	10.12	495	
NGC 3877	1 F11434+4746	11:46:08.0	+47:29:38	150.72	+65.96		0.85	18	RI	1.10	29	RI	7.72	21	RI	22.42	53	RI	903	15.14^S	9.78	9.89	550	
NGC 3882	2 11436-5606	11:46:04.0	-56:23:12	293.93	+5.34		1.51	28	RZ	2.67	26	RZ	19.84	117	RI	37.38	627	UT	1817	20.62	10.32	10.47	367	
NGC 3885	1 F11442-2738	11:46:45.1	-27:55:10	285.91	+32.80		0.57	32	RI	1.47	58	UT	11.89	44	UT	16.25	190	UT	1802	22.93	10.13	10.27	437	AM1144-273
NGC 3887	1 F11445-1634	11:47:04.0	-16:51:00	281.54	+43.33		0.59	30	RI	0.67	31	RI	5.84	45	RI	16.81	145	MI	1208	16.07	9.71	9.80	565	
NGC 3893	1 F11459+4859	11:48:37.7	+48:42:45	148.16	+65.23	S	1.45	27	RI	1.65	31	RI	15.57	54	RI	36.80	63	UT	892	16.35^S	10.08	10.20	464	KPG302A
NGC 3938	1 F11502+4423	11:52:49.2	+44:07:14	153.88	+69.32		0.90	29	RI	1.23	20	RI	9.18	29	RI	27.50	77	RI	800	14.75	9.85	9.93	542	
ESO 320-G030	2 F11506-3851	11:53:12.0	-39:07:54	290.76	+22.36		0.53	21	UT	2.28	28	UT	34.38	71	UT	46.28	225	UT	3232	37.70	11.02	11.10	161	
NGC 3949	1 F11510+4808	11:53:42.0	+47:51:31	147.63	+66.41		0.79	23	MI	1.26	24	RI	11.29	34	MI	24.40	133	UT	810	13.61^S	9.75	9.87	551	
NGC 3953	1 11511+5236	11:53:48.4	+52:19:44	141.74	+63.02		1.10	18	RZ	1.19	35	RI	7.11	45	RZ	31.12	86	RZ	1016	17.58^S	10.05	10.09	503	
NGC 3955	1 F11514-2253	11:53:57.5	-23:09:52	286.14	+37.83		1.05	53	RI	1.31	36	RI	8.34	47	UT	17.56	514	UT	1491	19.78	9.94	10.12	493	AM1151-225
NGC 3981	1 F11535-1937	11:56:07.1	-19:53:49	285.58	+41.10		0.65	26	RI	0.84	42	RI	7.14	27	RI	20.72	142	MI	1723	23.37	10.13	10.21	456	ARP289;VV008
NGC 3982	1 F11538+5524	11:56:27.3	+55:07:36	138.83	+60.27		0.47	20	RZ	0.97	26	MI	7.18	38	MI	16.24	142	UT	1109	21.04	9.95	10.06	511	
NGC 3994/5	1 F11551+3233	11:57:41.0	+32:17:10	185.85	+77.25	S	0.50	27	RI	0.90	44	RI	8.53	80	RI	16.88	202	RI	3118	48.22	10.71	10.83	254	ARP313;VV249a/b
NGC 4013	1 F11559+4413	11:58:31.5	+43:56:54	151.86	+70.09		0.54	30	RI	0.77	33	RI	7.01	37	RI	24.36	157	MI	834	13.76^S	9.73	9.76	574	
NGC 4027	1 F11569-1859	11:59:28.8	-19:15:45	286.36	+41.93		0.90	24	RI	1.12	37	MI	12.24	41	RI	27.78	139	MI	1671	22.84	10.26	10.36	404	ARP022NED02;VV066;VIIIZw158
NGC 4030	1 F11578-0049	12:00:23.8	-01:06:03	277.37	+59.21		1.35	46	RI	2.30	57	RZ	18.49	46	RI	50.92	117	MI	1427	24.50	10.56	10.64	312	
NGC 4038/9	1 F11593-1836	12:01:55.1	-18:52:43	286.97	+42.45	*	1.94	44	RI	6.54	31	RI	45.16	63	RI	87.09	195	MI	1563	21.54	10.73	10.84	248	ARP244;VV245;AntennaeGalaxy
NGC 4041	1 F11596+6224	12:02:12.8	+62:08:07	132.70	+54.05		1.13	28	RI	1.56	20	MI	14.15	19	MI	31.74	126	UT	1243	22.78	10.31	10.43	382	
NGC 4045	1 F12001+0215	12:02:42.3	+01:58:33	275.98	+62.27		0.27	53	RZ	1.02	67	MI	6.75	57	UT	13.69	100	UT	1981	30.89	10.23	10.34	414	
NGC 4051	1 F12006+4448	12:03:09.8	+44:31:50	148.88	+70.09		1.35	32	RI	2.20	32	RI	10.53	51	RI	24.93	63	MI	728	13.11	9.72	9.90	547	
NGC 4085	1 F12028+5037	12:05:23.3	+50:21:08	140.58	+65.17		0.36	35	RI	0.62	27	UT	5.79	42	MI	14.80	77	UT	752	14.55	9.58	9.66	585	
NGC 4088	1 F12030+5049	12:05:35.1	+50:32:24	140.33	+65.01		2.06	26	RI	3.45	32	RI	26.77	33	RI	61.68	137	RI	696	13.37	10.13	10.25	444	ARP018;VV357
NGC 4096	1 F12034+4745	12:06:00.1	+47:28:48	143.55	+67.79		0.94	19	RZ	0.89	27	RI	7.46	47	RI	23.19	76	RI	523	9.63^S	9.40	9.50	591	
NGC 4100	1 F12035+4951	12:06:08.1	+49:35:03	141.11	+65.91		0.77	21	RI	1.03	27	RI	9.35	44	RI	21.94	75	MI	1074	17.73^S	9.93	10.04	518	
NGC 4102	1 F12038+5259	12:06:23.6	+52:42:36	138.08	+63.07		1.77	16	RI	6.83	23	UT	46.85	57	UT	70.29	106	UT	859	16.89	10.47	10.61	325	
ESO 440-IG058	2 F12043-3140	12:06:53.0	-31:57:08	292.02	+29.97	U	0.20	38	UT	0.76	35	UT	7.44	46	UT	12.63	169	UT	6818	100.48	11.27	11.36	96	VV835;AM1204-314
NGC 4123	1 F12056+0309	12:08:11.3	+02:52:40	277.98	+63.63		0.70	41	RI	1.33	58	UT	6.47	41	MI	10.73	122	UT	1327	15.29^S	9.55	9.76	572	MRK1466;KPG322B
NGC 4151	N Z12080+3940	12:10:34.6	+39:24:09	155.07	+75.07		2.01	46	UT	4.87	29	UT	6.46	73	UT	8.88	132	RZ	995	18.99	9.70	10.20	466	KPG324B
NGC 4157	1 F12085+5045	12:11:04.2	+50:29:04	138.47	+65.41		1.72	39	RI	2.12	28	RI	17.71	43	RI	50.67	170	MI	790	13.30^S	10.03	10.12	496	
NGC 4175	1 F12099+2926	12:12:31.6	+29:10:01	197.29	+81.19	S	0.26	27	UT	0.54	38	UT	5.27	43	UT	11.55	92	UT	3973	59.85	10.72	10.81	256	HCG061C
IRAS F12112+0305	1 F12112+0305	12:13:47.3	+02:48:34	281.00	+64.07		<0.11	-		0.66:	54	UPn	8.18	32	UT	9.46	123	UT	21788	292.48	12.22	12.28:	6	
NGC 4192	1 F12112+1510	12:13:48.8	+14:53:51	265.44	+74.96		1.04	27	RI	1.43	49	RI	8.14	52	RI	24.31	134	RI	-142	15.29^S	9.83	9.95	538	
ESO 267-G030	2 F12115-4656	12:14:12.6	-47:13:37	296.40	+15.17	S	0.35:	26	UTg	0.66:	21	UTg	5.61:	45	UPg	11.06:	125	UPg	5543	88.67	11.07:	11.19:	141	AM1211-465NE
NGC 4194	1 F12116+5448	12:14:08.7	+54:31:40	134.39	+61.76		0.99	24	MI	4.51	25	UT	23.20	35	UT	25.16	112	UT	2555	40.33	10.90	11.06	179	MRK0201;ARP160;VV261;IZw033;Medusa

TABLE 1—*Continued*

Name				R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}, L_{\rm ir}$)			IG/AGN Names
Common		IRAS		hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)		(2)		(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
IRAS 12116-5615	2	12116-5615		12:14:21.4	-56:32:32	297.81	+5.96		0.35	26	UT	1.12	25	UT	9.78	103	UT	12.95	505	UT	8125	115.68	11.47	11.59	60	
ESO 380-G001	2	F12121-3513		12:14:44.2	-35:30:31	294.57	+26.77		0.38	23	UT	1.92	37	UT	11.48	46	UT	18.81	79	UT	2688	30.92	10.41	10.54	346	AM1212-351NED01
NGC 4212	1	12130+1411		12:15:35.4	+13:54:31	268.83	+74.36		0.82	30	RI	1.00	41	RI	6.60	36	RI	16.94	110	UT	-81	15.29^V	9.68	9.82	560	
NGC 4214	1	12131+3636		12:15:40.0	+36:19:22	160.26	+78.08		0.58	44	MI	2.46	39	RI	17.57	91	RI	29.08	108	MI	291	3.67	8.74	8.86	618	
NGC 4217	N	F12133+4722		12:15:50.3	+47:05:30	139.90	+68.85		1.26	29	RI	1.50	30	RI	11.60	61	RI	41.19	140	MI	1028	17.13^S	10.15	10.20	463	
NGC 4219	2	F12138-4302		12:16:27.1	-43:19:26	296.21	+19.09		0.93	31	RI	1.91	30	RI	14.08	49	RI	36.78	229	MI	1985	22.58	10.35	10.44	379	AM1213-430
NGC 4254	1	F12163+1441		12:18:51.0	+14:24:50	270.46	+75.19		3.67	45	RI	4.38	45	RI	37.46	80	RI	91.86	149	RI	2403	15.29^V	10.42	10.54	348	
NGC 4273	1	F12173+0537		12:19:56.3	+05:20:34	282.53	+66.96	S	0.77	33	RI	1.65	71	RI	9.38	59	MI	21.76	126	UT	2400	15.29^V	9.80	9.93	541	
NGC 4298	1	F12190+1452		12:21:35.7	+14:36:07	272.41	+75.67		0.92	41	RI	1.11	39	RI	7.02	34	RI	25.77	82	MI	1141	15.29^V	9.85	9.91	545	KPG332A
NGC 4303	1	F12193+0445		12:21:55.4	+04:28:24	284.38	+66.28		3.28	50	RI	4.90	51	RI	37.27	73	RI	78.74	88	RI	1570	15.29^V	10.37	10.51	356	
NGC 4304	2	F12196-3312		12:22:14.6	-33:29:16	295.97	+28.99		0.51	29	RI	0.91	35	UT	6.77	41	RI	11.35	152	UT	2631	30.52	10.17	10.33	417	
NGC 4321	1	F12203+1605		12:22:53.9	+15:49:22	271.12	+76.90		2.52	26	RI	3.10	53	RI	26.00	50	RI	68.37	101	RI	1571	15.20^P	10.28	10.39	394	
NGC 4332	1	F12204+6607		12:22:46.3	+65:50:44	127.59	+51.02		0.27	22	UT	0.98	23	MI	7.25	36	UT	13.01	117	UT	2843	43.50	10.53	10.64	313	
NGC 4369	1	F12221+3939		12:24:35.7	+39:23:02	145.75	+76.53		0.28	23	UT	0.69	36	UT	5.75	24	UT	11.28	136	UT	1045	20.21	9.78	9.89	549	MRK0439
IRAS F12224-0624	1	F12224-0624		12:25:02.8	-06:40:44	291.28	+55.59		<0.11	-		0.20	44	UT	5.99	44	UT	8.13	139	UT	7902	112.70	11.23	11.27:	123	
NGC 4383	1	F12229+1644		12:25:26.0	+16:28:04	272.14	+77.76		0.29	29	UT	1.08	55	UT	8.36	25	UT	12.43	118	UT	1710	15.29^V	9.64	9.76	573	MRK0769
NGC 4388	1	F12232+1256		12:25:45.9	+12:39:50	279.11	+74.34		1.01	28	UT	3.57	52	UT	10.27	27	UT	17.15	155	UT	2524	15.29^V	9.75	10.00	527	
NGC 4402	1	F12235+1323		12:26:07.7	+13:06:47	278.79	+74.79		0.74	43	RI	0.66	45	RI	5.54	36	MI	17.53	123	UT	237	15.29^V	9.68	9.78	571	
NGC 4414	1	F12239+3130		12:26:26.9	+31:13:24	174.54	+83.18		2.78	43	RI	3.61	44	RI	29.55	80	RI	70.69	72	UT	720	17.68^P	10.43	10.56	340	
NGC 4418	1	F12243-0036		12:26:54.7	-00:52:42	290.05	+61.38		0.99	35	UT	9.67	84	UT	43.89	80	UT	31.94	122	UT	2104	31.90	11.00	11.08	164	KPG337A
NGC 4419	1	F12244+1519		12:26:55.1	+15:02:59	276.42	+76.64		0.67	27	RI	1.88	51	RZ	7.58	31	UT	16.18	151	UT	-261	15.29^V	9.68	9.86	553	
NGC 4433	1	F12250-0800		12:27:37.5	-08:16:35	292.84	+54.13		0.63	38	UT	1.52	73	UT	13.35	59	UT	23.83	193	UT	2913	41.68	10.76	10.87	243	
NGC 4490	1	F12281+4155		12:30:34.9	+41:38:47	138.01	+74.87	S	1.82	25	RI	4.92	43	RI	46.92	63	RI	88.61	211	MI	641	10.48	10.11	10.21	459	ARP269NED02;VV030a;KPG341B
NGC 4501	1	F12294+1441		12:31:57.6	+14:25:20	282.30	+76.51		2.29	27	RI	2.98	73	RI	19.68	93	RI	62.97	145	MI	2284	15.29^V	10.24	10.33	418	
NGC 4437	N	F12301+0023	R	12:32:44.5	+00:06:57	292.73	+62.62		0.80	36	RI	1.04	86	RI	7.87	66	RZ	21.41	139	RI	1121	16.38	9.84	9.94	539	KPG344B
NGC 4526	1	F12315+0758		12:34:02.7	+07:41:57	290.16	+70.14		0.35	38	UT	0.49	59	UT	5.86	37	UT	16.03	96	UT	448	15.29^V	9.65	9.71	581	
NGC 4527	1	F12315+0255		12:34:09.9	+02:39:04	292.61	+65.18		2.65	37	RI	3.55	62	RI	31.40	53	RI	65.68	140	MI	1771	15.29^V	10.29	10.42	385	
NGC 4532	1	F12317+0644		12:34:18.6	+06:28:11	291.02	+68.94		0.28	34	RI	0.73	65	RZ	9.21	52	MI	15.14	143	UT	2007	15.29^V	9.70	9.79	568	
NGC 4535	1	F12317+0828		12:34:19.9	+08:11:52	290.07	+70.64		1.04	33	RI	1.34	42	RI	11.45	47	RI	32.52	138	RI	1957	15.77^P	9.98	10.07	510	
NGC 4536	1	F12319+0227		12:34:28.5	+02:11:08	292.96	+64.73		1.55	34	MI	4.04	60	MI	30.26	42	UT	44.51	141	UT	1802	14.92^P	10.17	10.32	423	
NGC 4559	1	F12334+2814		12:35:57.0	+27:57:37	198.42	+86.47		0.87	23	RI	1.03	30	RI	10.23	44	RI	25.41	74	RI	816	9.69	9.46	9.56	588	
NGC 4565	1	F12338+2615		12:36:21.0	+25:59:16	230.76	+86.44		1.36	30	RI	1.36	33	RI	7.79	39	RI	34.62	112	MI	1282	9.99^S	9.61	9.66	586	
NGC 4568/7	1	F12340+1131		12:36:33.7	+11:14:32	289.80	+73.73	*	1.99	30	RI	2.64	51	RI	20.81	54	RI	56.80	140	MI	2262	15.29^V	10.20	10.30	425	VV219;KPG347;SiameseTwins
NGC 4569	1	F12343+1326		12:36:50.8	+13:09:43	288.48	+75.62		1.27	43	RI	2.06	70	RZ	9.80	65	RI	26.56	173	MI	-235	15.29^V	9.87	10.02	521	ARP076
NGC 4575	2	F12351-4015		12:37:52.1	-40:32:20	300.15	+22.26		0.46	54	UT	0.85	31	UT	7.74	46	UT	16.31	404	UT	2973	58.21^G	10.85	10.96	210	
NGC 4579	1	F12351+1205		12:37:42.6	+11:49:12	290.38	+74.36		1.12	40	RI	0.78	47	RI	5.93	54	RI	21.39	243	MI	1519	15.29^V	9.76	9.87	552	
NGC 4605	1	F12378+6152		12:40:00.9	+61:36:28	125.33	+55.47		0.97	18	RZ	1.25	18	RI	14.39	34	RI	30.55	127	UT	117	3.90	8.77	8.87	617	
IC 3639	2	F12381-3628		12:40:51.5	-36:45:13	300.57	+26.07	S	0.72:	33	MIg	2.54:	44	MIg	8.90:	41	RIg	13.79:	180	MIg	3275	34.82	10.39:	10.62:	321	AM1238-362NED02
NGC 4631	1	F12396+3249	R	12:42:07.1	+32:32:33	142.83	+84.22	S	5.16	39	RI	8.97	46	RZ	85.40	62	RZ	160.08	260	RI	630	7.73	10.10	10.22	453	ARP281NED02;KPG350A
NGC 4647	1	F12410+1151		12:43:32.1	+11:34:59	295.74	+74.34	S	0.99	48	RI	0.76	49	RI	5.77	36	RI	16.59	88	UT	1415	15.29^V	9.66	9.81	563	ARP116NED01;VV206b;KPG353A
NGC 4651	1	F12412+1640		12:43:42.1	+16:23:38	293.06	+79.12		0.47	41	UT	0.66	40	RI	5.60	31	RI	15.56	90	UT	805	15.29^V	9.64	9.72	580	ARP189;VV056
NGC 4654	1	F12414+1324		12:43:56.6	+13:07:39	295.43	+75.89		1.01	47	MI	1.73	38	RI	13.39	34	RI	37.77	135	UT	1037	15.29^V	10.02	10.10	500	
NGC 4656	1	F12415+3227		12:43:55.0	+32:10:28	140.42	+84.70		0.06	29	MI	0.49	30	RI	6.50	76	RZ	10.70	116	RZ	614	7.38	8.91	8.98	616	KPG350B
NGC 4666	1	F12425-0011		12:45:07.7	-00:27:41	299.53	+62.37		3.34	52	RI	3.89	51	RI	37.11	72	RI	85.95	158	MI	1495	12.82^S	10.24	10.36	403	
NGC 4691	1	F12456-0303		12:48:13.5	-03:19:59	301.35	+59.53		0.80	31	MI	3.10	103	RI	14.32	50	UT	22.65	106	UT	1124	20.65^S	10.14	10.32	422	
NGC 4699	1	F12464-0823		12:49:02.0	-08:39:52	301.92	+54.20		0.76	32	RI	0.54	62	RI	6.11	57	RI	19.95	92	MI	1394	21.71	10.04	10.12	497	
NGC 4710	1	F12471+1526		12:49:38.5	+15:09:59	300.84	+78.03		0.42	38	RI	0.54	38	UT	5.89	46	MI	13.21	211	UT	1125	15.29^V	9.58	9.69	583	
NGC 4736	1	12485+4123		12:50:52.9	+41:07:15	123.36	+76.01		5.07	56	RI	6.11	40	RI	71.54	85	RI	120.69	199	MI	323	4.83	9.59	9.73	579	
NGC 4781	1	F12517-1015		12:54:24.9	-10:32:19	304.13	+52.33		0.61	33	RI	0.67	46	UT	8.04	47	MI	18.27	100	UT	1260	18.63	9.90	10.00	528	
NGC 4793	1	F12522+2912		12:54:40.8	+28:56:23	101.57	+88.05		1.08	34	RI	1.57	35	RI	12.42	48	MI	28.11	75	UT	2523	40.50	10.76	10.89	236	

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	$12\mu m$			$25\mu m$			$60\mu m$			$100\mu m$			cz	D	$\log(L_{\rm fir}, L_{\rm ir})$			IG/AGN Names
Common (1)	IRAS (2)	hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	(7)	Jy	mJy (8)	SMF	Jy	mJy (9)	SMF	Jy	mJy (10)	SMF	Jy	mJy (11)	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
NGC 4808	1 F12532+0434	12:55:48.8	+04:18:18	305.74	+67.15		0.62	44	UT	0.74	49	UT	6.92	41	MI	16.05	119	UT	778	19.72^S	9.89	10.01	524	
IC 3908	1 F12540-0717	12:56:41.1	-07:33:46	305.22	+55.29		0.42	49	UT	1.20	69	RI	8.47	40	MI	16.65	137	UT	1296	20.28	9.95	10.07	508	
UGC 08058	1 F12540+5708	12:56:15.0	+56:52:17	121.61	+60.24		1.83	17	UT	8.84	28	UT	30.80	42	UT	29.74	108	UT	12660	171.84	12.31	12.51	1	MRK0231;VIIZw490
NGC 4818	1 F12542-0815	12:56:50.0	-08:31:38	305.22	+54.32		0.96	33	MI	4.40	55	MI	20.12	63	UT	26.60	140	UT	1051	9.37^S	9.57	9.75	575	MRK9022
NGC 4826	1 F12542+2157	12:56:42.6	+21:41:05	315.65	+84.43		2.36	31	RI	2.86	59	UT	36.70	77	UT	81.65	99	UT	349	3.09	8.98	9.08	612	
ESO 443-G017	2 F12550-2929	12:57:44.3	-29:45:55	304.56	+33.09		0.22	30	UT	0.91	35	UT	5.96	37	UT	8.99	127	UT	3055	35.25	10.22	10.36	405	
NGC 4835	2 F12552-4559	12:58:08.2	-46:15:56	304.14	+16.59		1.28	30	RI	1.89	28	RI	17.69	53	MI	40.22	84	UT	2192	23.96	10.46	10.57	338	AM1255-455
NGC 4845	1 F12554+0150	12:58:01.2	+01:34:32	306.74	+64.40		0.38	32	UT	0.57	54	UT	9.22	44	UT	22.05	155	UT	1224	15.09^S	9.79	9.84	555	
NGC 4900	1 F12581+0246	13:00:39.8	+02:30:00	308.45	+65.27		0.49	32	RZ	0.76	69	RI	5.97	41	RI	13.96	104	UT	969	15.36^S	9.61	9.73	578	
NGC 4922	1 F12590+2934	13:01:25.9	+29:18:46	78.30	+86.90	U	0.27	35	UT	1.48	30	MI	6.21	40	UT	7.33	93	UT	7071	101.09	11.14	11.32	108	VV609;KPG363A/B
CGCG 043-099	1 F12592+0436	13:01:49.9	+04:20:01	309.60	+67.07		0.30	33	RI	0.47	61	UT	5.25	29	UT	8.06	115	UT	11237	156.31	11.49	11.62	51	VV283
MCG-02-33-098/9	2 F12596-1529	13:02:20.5	-15:46:05	306.78	+47.02	S	0.34	41	UT	1.63	57	MI	7.49	34	UT	9.68	117	UT	4861	72.50	10.93	11.11	158	
ESO 507-G070	2 F13001-2339	13:02:51.3	-23:55:10	306.28	+38.88		0.25	20	RI	0.80	46	UT	13.04	51	UT	15.71	159	UT	6446	96.10	11.42	11.49	79	AM1300-233
NGC 4945	2 F13025-4912 R	13:05:27.6	-49:28:09	305.27	+13.34		27.74	34	RZ	42.34	55	RZ	625.46	133	RZ	1329.70	797	RZ	560	3.92	10.41	10.48	364	
ESO 323-G077	2 F13036-4008	13:06:26.5	-40:24:54	306.02	+22.37		0.68	14	UT	1.24	31	UT	5.73	36	MI	10.73	65	MI	4477	58.21^G	10.69	10.91	230	
IRAS 13052-5711	2 13052-5711	13:08:18.4	-57:27:30	305.21	+5.34		0.13	24	UT	0.45	26	UT	8.17	72	UT	14.58:	719	UPc	6364	96.54	11.28:	11.34:	103	
NGC 4984	2 F13063-1515	13:08:58.3	-15:31:07	309.15	+47.14		0.86	29	MI	1.65	54	UT	11.23	47	UT	17.08	118	UT	1252	17.36	9.88	10.05	514	
NGC 5005	1 F13086+3719	13:10:55.7	+37:03:33	101.62	+79.25		1.65	26	RI	2.26	39	RI	22.18	21	RI	63.40	131	MI	950	18.09	10.39	10.46	370	
NGC 5010	N F13097-1531	13:12:25.4	-15:47:45	310.31	+46.77		0.37	37	UT	1.44	65	RI	10.29	55	UT	21.69	114	UT	6400	94.33	11.41	11.50	77	
MCG-03-34-014	2 F13099-1716	13:12:35.1	-17:32:27	310.07	+45.04		0.81	44	RI	1.07	52	RI	7.76	60	UT	17.14	115	UT	2760	36.41	10.46	10.61	323	
NGC 5020	1 F13101+1251	13:12:39.1	+12:36:07	322.85	+74.65		0.36	28	RI	0.72	60	RZ	5.58	50	RI	11.70	86	MI	3360	51.45	10.60	10.72	286	
NGC 5033	1 F13111+3651	13:13:27.2	+36:35:40	98.07	+79.45		1.77	28	RI	2.14	33	RZ	16.20	73	RI	50.23	92	MI	869	13.76^S	10.05	10.13	488	
IRAS 13120-5453	2 13120-5453	13:15:06.2	-55:09:24	306.34	+7.56		0.44	27	UT	2.98	21	UT	41.11	66	UT	52.33	200	UT	9222	129.36	12.18	12.26	7	
NGC 5038	2 F13123-1541	13:15:02.5	-15:57:08	311.19	+46.54		0.25	49	UT	1.47	55	MI	9.15	60	UT	13.28	115	UT	2222	29.82	10.25	10.39	393	
IC 0860	1 F13126+2453	13:15:02.2	+24:37:15	8.96	+84.13		<0.14	-		1.34	44	UT	18.61	71	UT	18.66	90	UT	3887	59.11	11.14	11.17:	145	
NGC 5055	1 F13135+4217 R	13:15:49.5	+42:01:39	105.99	+74.29		5.35	26	RZ	6.36	50	RZ	40.00	49	RI	139.82	356	RI	500	7.96^S	10.01	10.09	502	
VV 250a	1 F13136+6223	13:15:34.9	+62:07:26	118.04	+54.77	R	0.35	22	UT	1.95	20	UT	11.39	35	UT	12.41	93	UT	9313	127.99	11.61	11.74	40	ARP238NED02;KPG369B
NGC 5054	2 F13143-1622	13:16:59.0	-16:38:04	311.73	+45.80		1.12	42	RI	1.50	66	RI	13.01	60	RI	31.53	145	UT	1737	23.87	10.34	10.46	372	
NGC 5068	N F13161-2046	13:18:52.9	-21:02:25	311.48	+41.38		1.04	38	RI	0.97	62	RI	12.50	57	RI	31.39	311	RI	672	5.61	9.07	9.17	610	
NGC 5073	1 F13166-1434	13:19:18.5	-14:50:30	312.93	+47.49		0.31	31	UT	1.46	59	RI	9.37	50	UT	15.02	170	UT	2744	37.09	10.47	10.60	328	
NGC 5078	2 F13170-2708	13:19:50.0	-27:24:37	310.63	+35.04	S	1.08	30	RI	0.95	45	RI	10.54	44	RI	33.70	202	UT	2168	26.32	10.44	10.50	360	
UGC 08387	1 F13182+3424	13:20:34.9	+34:08:24	82.94	+80.60		0.25	29	UT	1.42	40	UT	17.04	88	UT	24.38	120	UT	7000	99.99	11.59	11.67	46	ARP193;VV821;IZw056
NGC 5104	1 F13188+0036	13:21:24.2	+00:20:27	319.20	+62.26		0.39	34	RI	0.74	91	UT	6.78	49	UT	13.37	103	UT	5578	82.44	11.09	11.20	139	
MCG-03-34-064	2 F13197-1627	13:22:23.5	-16:43:34	313.53	+45.51	S	0.94	40	MI	2.97	45	UT	6.20	40	MI	6.20	143	UT	5152	77.33	10.90	11.24	128	
NGC 5128	2 F13225-4245 R	13:25:27.6	-43:01:12	309.52	+19.42		22.15	39	RZ	28.25	48	RZ	213.29	42	RI	411.89	334	MI	562	4.03	9.94	10.11	498	ARP153;AM1322-424
NGC 5135	2 F13229-2934	13:25:43.0	-29:49:54	311.74	+32.45		0.63	35	UT	2.38	58	UT	16.86	46	UT	30.97	177	UT	4114	52.15	11.06	11.17	143	
NGC 5145	1 F13230+4331	13:25:14.0	+43:16:01	102.13	+72.47		0.41	22	UT	0.64	24	UT	6.29	41	UT	12.27	106	UT	1225	23.33	9.94	10.06	512	
ESO 173-G015	2 13242-5713	13:27:24.4	-57:29:24	307.77	+5.04		1.22:	31	UPn	7.56:	32	UPn	81.44:	97	UPn	100.04:	710	UPn	3006	32.44	11.26:	11.34:	102	
NGC 5194	1 F13277+4727	13:29:53.5	+47:11:42	104.85	+68.56		7.21:	75	RSg	9.56:	77	RSg	97.42:	193	RSg	221.21:	329	RSg	468	8.63	10.31:	10.42:	388	ARP085NED01;VV001a;KPG379A
NGC 5195	1 F13278+4731	13:30:00.0	+47:16:00	104.88	+68.49		0.35:	-	RSg	1.02:	-	RSg	15.22:	801	RSg	31.33:	368	RSg	450	8.30	9.44:	9.50:	592	ARP085NED02;VV001b;KPG379B
NGC 5188	2 F13286-3432	13:31:27.7	-34:47:36	312.18	+27.36		0.86	27	UT	2.83	38	UT	22.58	74	UT	38.26	150	UT	2425	27.25	10.60	10.72	291	AM1328-343
IC 4280	2 F13301-2356	13:32:52.8	-24:12:23	314.90	+37.70		0.38	39	UT	0.68	52	UT	6.10	69	UT	12.36	472	UT	4930	74.67	10.96	11.08	167	AM1330-235
NGC 5218	1 F13304+6301	13:32:10.6	+62:46:02	115.07	+53.74	S	0.37	20	RI	0.94	24	UT	7.01	22	UT	13.54	95	UT	2880	44.35	10.55	10.67	305	ARP104NED02;VV033b
NGC 5236	2 F13341-2936 R	13:36:58.8	-29:51:46	314.58	+31.98		21.46	52	RZ	43.57	63	RZ	265.84	64	RZ	524.09	302	RZ	522	3.60	9.94	10.10	499	
NGC 5248	1 F13350+0908	13:37:31.8	+08:53:12	335.93	+68.75		1.75	47	RI	3.02	41	RI	20.91	42	RI	53.48	107	MI	1152	13.82^S	10.09	10.20	467	
NGC 5247	2 F13353-1737	13:38:03.4	-17:53:04	318.32	+43.59		1.51	21	RI	1.48	43	RI	13.65	61	RI	41.83	122	RI	1362	18.77	10.24	10.32	421	
NGC 5256	1 F13362+4831	13:38:18.2	+48:16:28	102.72	+66.97		0.32	18	UT	1.07	28	MI	7.25	33	UT	10.11	135	UT	8285	115.83	11.34	11.49	80	MRK0266;IZw067;KPG388
NGC 5253	2 F13370-3123	13:39:55.2	-31:38:21	314.86	+30.11		2.50	20	UT	12.07	49	UT	29.84	67	UT	30.08	205	UT	404	3.15^P	8.79	9.05	614	AM1337-312NED01
NGC 5257/8	1 F13373+0105	13:39:54.9	+00:50:07	328.81	+61.25	R	0.57	31	UT	1.34	69	UT	10.73	59	UT	19.97	50	UT	6798	98.63	11.43	11.55	71	ARP240;VV055;KPG389
UGC 08696	1 F13428+5608	13:44:41.8	+55:53:14	108.11	+59.68		0.24	17	UT	2.36	21	UT	22.51	42	UT	22.53	70	UT	11324	154.71	12.08	12.14	11	MRK0273;IZw071

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	$\log(L_{\rm fir}, L_{\rm ir})$			IG/AGN Names
Common (1)	IRAS (2)	hh:mm:ss.s (3)	°: ′: ″ (4)	° (5)	° (6)	(7)	Jy	mJy (8)	SMF	Jy	mJy (9)	SMF	Jy	mJy (10)	SMF	Jy	mJy (11)	SMF	km/s (12)	Mpc (13)	$L_\odot$ (14)	$L_\odot$ (15)	Rank (16)	(17)
UGC 08739 1	F13470+3530	13:49:15.0	+35:15:17	69.85	+75.23		0.35:	31	UPn	0.42:	38	UPn	5.79:	40	UPn	15.89:	83	UPn	5032	74.18	11.03:	11.08:	165	
ESO 221-IG008 2	F13473-4801	13:50:26.9	-48:16:40	312.97	+13.44		0.30	19	RI	1.12	35	RZ	5.64	73	UT	5.52	359	UT	3190	58.21^G	10.61	10.77	272	
ESO 221-IG010 2	F13478-4848	13:50:57.3	-49:03:25	312.86	+12.66		0.74	24	MI	1.82	16	MI	12.92	77	UT	22.00	469	UT	3028	58.21^G	11.02	11.17	147	
NGC 5331 N	F13497+0220	13:52:16.6	+02:06:08	335.72	+61.04	*	0.29	27	RI	0.59	51	UT	5.86	43	UT	11.49	106	UT	9909	139.10	11.49	11.59	57	VV253;KPG401
NGC 5371 1	F13535+4042	13:55:39.1	+40:27:34	82.17	+71.20		0.86	30	RZ	0.97	35	RI	5.27	52	RI	18.66	154	RI	2553	41.06	10.57	10.67	304	
NGC 5383 1	F13549+4205	13:57:03.8	+41:50:55	84.79	+70.08		0.35	30	RZ	0.84	23	MI	5.45	51	UT	13.05	110	UT	2230	36.74	10.34	10.45	377	MRK0281
NGC 5394/5 1	F13564+3741	13:58:35.3	+37:26:51	73.25	+72.50	S	0.59	25	RI	1.40	35	RI	9.38	31	RI	22.02	127	MI	3472	53.40	10.89	11.00	198	ARP084;VV048;KPG404
NGC 5430 1	F13591+5934	14:00:45.0	+59:19:37	107.31	+55.65		0.50	24	UT	1.94	21	MI	10.10	31	UT	20.34	66	UT	2960	45.63	10.74	10.88	240	MRK0799
NGC 5433 1	F14004+3244	14:02:37.4	+32:30:27	56.45	+73.67		0.27	19	UT	0.85	21	RI	6.31	35	UT	11.67	91	UT	4352	65.30	10.83	10.95	214	
NGC 5427 1	14008-0547	14:03:25.6	-06:01:48	333.28	+52.55	S	1.29	42	RZ	1.48	52	RZ	10.24	50	RZ	25.29	146	RI	2618	38.02	10.65	10.80	261	ARP271NED02;VV021a
NGC 5457 1	14013+5435 R	14:03:09.0	+54:21:24	102.06	+59.77		6.20	-	RR	11.78	-	RR	88.04	-	RR	252.84	-	RR	241	6.70^P	10.13	10.20	468	ARP026;VV344a
NGC 5483 N	F14072-4305	14:10:25.0	-43:19:28	317.84	+17.25		0.80	38	RI	0.73	42	RI	6.30	38	RI	17.16	143	MI	1774	20.31	9.93	10.05	515	
ESO 221-G032 2	F14088-4909	14:12:08.9	-49:23:24	316.17	+11.40		0.58	25	RI	0.71	35	UT	6.82	62	MI	13.83	537	UT	2894	58.21^G	10.79	10.93	223	
NGC 5506 1	F14106-0258	14:13:14.0	-03:12:24	339.15	+53.81	S	1.29	27	UT	4.17	56	MI	8.42	60	UT	8.87	111	UT	1853	28.07	10.14	10.49	361	MRK1376;KPG419A
CGCG 247-020 1	F14179+4927	14:19:43.5	+49:14:09	91.29	+62.12		0.15	22	UT	0.84	19	UT	6.01	35	UT	8.47	155	UT	7666	107.71	11.20	11.32	109	MRK1490
IC 4402 2	F14179-4604	14:21:12.6	-46:17:50	318.69	+13.81		0.60	29	RZ	1.19	22	UT	8.86	54	UT	18.19	391	UT	1650	18.90	9.92	10.05	516	
NGC 5600 1	F14214+1451	14:23:49.4	+14:38:21	7.45	+65.14		0.35	29	UT	0.72	32	RI	5.44	46	UT	11.68	89	UT	2311	36.93	10.31	10.43	384	VIIIZw410
NGC 5595 1	14214-1629	14:24:12.6	-16:43:25	332.78	+40.71	S	0.53	22	MI	0.68	39	UT	9.06	36	RI	18.60	103	MI	2699	36.71	10.51	10.61	324	VV446NED01;VV530
NGC 5597 1	14216-1632	14:24:26.5	-16:45:43	332.81	+40.65	S	0.71	45	RI	1.55	49	UT	8.37	51	UT	16.33	190	MI	2697	36.68	10.46	10.63	315	VV446NED02
NGC 5653 1	F14280+3126	14:30:09.5	+31:12:57	49.60	+68.11		0.64	33	UT	1.37	28	UT	10.57	40	UT	23.03	79	UT	3572	54.88	10.95	11.06	175	
IC 4444 2	F14284-4311	14:31:38.8	-43:25:08	321.57	+15.80		1.40	24	RI	2.33	29	MI	19.13	43	UT	38.07	733	UT	1957	22.47	10.40	10.53	349	AM1428-431
NGC 5643 2	F14294-4357	14:32:41.1	-44:10:30	321.44	+15.03		1.97	33	RI	4.68	21	RI	23.48	61	RI	48.60	321	MI	1199	13.86	10.08	10.24	449	AM1429-435
NGC 5665 1	F14299+0818	14:32:24.9	+08:04:50	359.08	+59.44		0.47	22	RI	0.82	35	UT	6.25	20	UT	12.41	101	UT	2222	34.98	10.30	10.44	380	ARP049;VV412
NGC 5678 1	F14306+5808	14:32:06.2	+57:55:13	100.04	+54.50		0.94	15	RI	1.20	19	RI	9.67	29	RI	25.66	85	UT	1912	32.02	10.50	10.61	322	
NGC 5676 1	F14310+4940	14:32:46.9	+49:27:31	88.68	+60.39		1.13	24	RI	1.70	25	RI	12.04	37	RI	29.91	207	UT	2117	29.63^S	10.51	10.63	319	
IRAS F14348-1447 1	F14348-1447	14:37:37.3	-15:00:20	337.59	+40.61		<0.10	-		0.55	62	UT	6.82	40	UT	7.31	151	UT	24723	330.85	12.26	12.30:	5	
NGC 5690 1	F14351+0230	14:37:41.0	+02:17:27	353.15	+54.45		0.75	34	RI	0.99	35	RI	6.94	32	RI	16.84	117	UT	1753	23.84^S	10.07	10.21	458	
NGC 5713 1	F14376-0004	14:40:10.9	-00:17:22	351.02	+52.13		1.47	28	RZ	2.84	38	MI	22.10	65	MI	37.28	88	UT	1904	26.74^S	10.57	10.72	288	VIIIZw447
IRAS F14378-3651 2	F14378-3651	14:40:57.8	-37:04:25	326.05	+20.83		<0.10	-		0.67:	38	UPc	6.72:	42	UPc	8.08:	215	UPc	20444	276.04	12.08:	12.15:	10	
NGC 5719 1	F14383-0006	14:40:55.9	-00:19:05	351.22	+51.98		0.52	24	UT	1.09	42	RI	8.61	34	UT	17.96	85	UT	1743	27.14	10.23	10.35	410	
NGC 5728 1	F14396-1702	14:42:24.3	-17:15:16	337.33	+38.10		0.21	37	UT	1.05	39	MI	8.88	49	MI	15.79	144	MI	2788	38.34	10.50	10.60	329	
NGC 5734 2	F14423-2039	14:45:08.5	-20:52:12	335.67	+34.67	S	0.50:	25	UTg	0.74:	63	UTg	7.99:	55	UPg	24.79:	94	RIb	4091	59.28	11.02:	11.06:	178	
ESO 386-G019 2	F14430-3728	14:46:09.9	-37:41:04	326.74	+19.83		0.31	20	UT	0.79	50	UT	5.99	56	UT	10.36	86	RZ	4476	64.00	10.78	10.91	228	
UGCA 394 N	F14446-1714	14:47:24.1	-17:26:49	338.47	+37.30		0.30	32	RI	1.04	55	RZ	5.83	39	RI	10.61	120	MI	2195	30.02	10.11	10.26	440	
NGC 5757 1	F14449-1852	14:47:46.3	-19:04:43	337.47	+35.87		0.77	39	RI	0.94	57	UT	6.57	39	MI	12.56	184	UT	2673	36.29	10.34	10.53	351	
NGC 5775 1	F14514+0344	14:53:58.0	+03:32:32	359.43	+52.42		1.83	25	RI	2.47	28	RI	23.59	46	RI	55.64	97	MI	1642	26.34	10.68	10.78	265	KPG440B
IC 4518A/B 2	F14544-4255	14:57:43.1	-43:08:01	326.12	+13.98	U	0.36	24	UT	1.53	32	MI	8.07	92	MI	13.65	389	UT	4715	69.94	10.98	11.13	150	VV780;AM1454-425
VV 340a 1	F14547+2449	14:57:00.3	+24:37:01	34.97	+61.72	R	0.36	16	RI	0.41	31	UT	6.95	29	MI	15.16	169	UT	9982	139.36	11.59	11.67	44	ARP302NED02;KPG446B
NGC 5786 2	F14556-4148	14:58:56.9	-42:00:51	326.88	+14.85		0.37	28	UT	0.98	29	RI	5.90	118	RI	15.00	375	UT	2998	35.04	10.35	10.45	373	
NGC 5792 1	F14558-0053	14:58:22.9	-01:05:26	355.35	+48.43		0.97	22	MI	1.00	44	UT	9.08	28	MI	20.32	136	UT	1924	25.36^S	10.21	10.36	406	
NGC 5793 1	F14565-1629	14:59:23.5	-16:41:28	341.96	+36.30	S	0.17	31	RZ	0.49	68	UT	6.48	42	UT	9.44	230	UT	3491	50.17	10.56	10.65	311	
UGC 09668 1	F15005+8343	14:56:07.7	+83:31:18	118.96	+32.61		0.29	20	UT	0.89	18	UT	5.24	32	UT	8.49	165	MI	3881	55.64	10.58	10.74	279	MRK0839;KPG451B
NGC 5866 1	F15051+5557	15:06:30.3	+55:45:49	92.03	+52.49		0.35	22	RI	0.34	10	RI	5.26	27	MI	16.98	60	UT	769	11.63^S	9.43	9.45	597	
NGC 5861 1	F15065-1107	15:09:15.4	-11:19:16	348.52	+39.06		0.72	30	RI	1.54	37	RZ	11.41	22	RI	20.53	114	UT	1818	23.84^S	10.20	10.34	413	
NGC 5833 2	F15066-7240	15:11:51.0	-72:51:28	312.94	-12.77		0.83	20	RI	0.99	14	RI	7.29	27	MI	22.42	332	RZ	3030	38.65	10.60	10.69	298	
UGCA 402 2	F15106-2029	15:13:30.6	-20:40:29	342.34	+31.11		0.54	20	RI	0.64	53	RI	5.70	32	RI	14.37	416	UT	2272	30.94	10.22	10.34	415	
CGCG 049-057 1	F15107+0724	15:13:12.7	+07:13:30	8.89	+50.96		<0.05	-		0.95	29	MI	21.89	72	UT	31.53	158	UT	3893	59.06	11.23	11.27:	121	
NGC 5900 1	F15132+4223	15:15:05.2	+42:12:35	69.68	+57.17		0.40	17	MI	0.70	14	UT	7.51	26	UT	16.95	189	UT	2511	40.35	10.54	10.63	320	
NGC 5907 1	15146+5629	15:15:58.9	+56:18:36	91.55	+51.09		1.29	32	RZ	1.44	30	RI	9.14	78	RI	37.43	92	MI	612	12.08^S	9.80	9.85	554	
VV 705 1	F15163+4255	15:18:06.7	+42:44:41	70.35	+56.49	U	0.29	19	RI	1.42	16	UT	9.02	21	UT	10.00	91	UT	12336	168.72	11.76	11.89	26	MRK0848;IZw107

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common	IRAS	hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
NGC 5915	1 F15188-1254	15:21:33.7	-13:05:34	349.91	+35.74	R	0.46	32	UT	1.36	62	UT	10.71:	62	UPn	16.41:	216	UPn	2291	32.94	10.42:	10.55:	342	
ESO 099-G004	2 15206-6256	15:24:57.1	-63:07:29	319.30	-5.24		0.29	28	UT	1.46	37	UT	10.30	121	UT	13.65	1272	UT	8779	123.07	11.54	11.67	45	
NGC 5930	1 F15243+4150	15:26:07.4	+41:40:34	67.86	+55.30	R	0.35	27	UT	1.60	19	UT	9.36	35	UT	13.68	109	UT	2672	42.47	10.58	10.72	287	ARP090NED02;VV823NED02;IZw112NED02
IRAS F15250+3608	1 F15250+3608	15:26:59.9	+35:58:34	57.81	+55.94		0.16	30	RI	1.31	25	UT	7.10	43	UT	5.93	98	UT	16535	223.49	11.92	12.02	18	
NGC 5936	1 F15276+1309	15:30:00.9	+12:59:21	20.06	+50.38		0.48	24	UT	1.47	31	MI	8.73	37	UT	17.66	105	UT	4013	60.81	10.93	11.07	173	
NGC 5937	1 F15281-0239	15:30:46.0	-02:49:45	1.33	+41.31		0.68	31	UT	1.47	46	RI	10.41	26	MI	21.47	210	UT	2807	42.45	10.70	10.83	253	
NGC 5953	1 F15322+1521	15:34:33.0	+15:11:42	23.92	+50.34	*	0.82	27	RI	1.58	30	RI	11.79	45	RI	19.89	154	UT	2008	32.77	10.48	10.63	316	MRK9031;ARP091NED01;VV244a;KPG468A
UGC 09913	1 F15327+2340	15:34:57.1	+23:30:10	36.63	+53.03		0.61	21	RI	8.00	34	UT	104.09	112	UT	115.29	138	UT	5450	79.90	12.15	12.21	9	ARP220;VV540;KPG470
NGC 5962	1 F15342+1646	15:36:31.4	+16:36:27	26.25	+50.47		0.73	14	RI	1.04	26	MI	8.93	31	MI	21.82	194	UT	1958	32.17	10.44	10.55	341	
NGC 5990	1 F15437+0234	15:46:16.0	+02:24:55	10.02	+41.45		0.60	43	UT	1.60	58	UT	9.59	30	UT	17.14	181	UT	3863	58.42	10.91	11.06	174	
NGC 6000	2 F15467-2914	15:49:49.4	-29:23:11	343.30	+19.17		1.48	25	RI	5.35	41	MI	35.64	137	UT	54.94	650	UT	2173	28.90	10.83	10.97	209	
NGC 6052	1 F16030+2040	16:05:12.3	+20:32:33	35.31	+45.47		0.28	22	UT	0.83	27	UT	6.79	45	UT	10.57	340	UT	4747	70.42	10.89	11.02	194	MRK0297;ARP209;VV086
NGC 6090	1 F16104+5235	16:11:40.8	+52:27:27	81.39	+45.21		0.26	20	UT	1.24	21	MI	6.48	30	UT	9.41	102	UT	8865	122.55	11.35	11.51	76	MRK0496;VV626;IZw135;KPG486
ESO 137-G014	2 16129-5811	16:17:10.0	-58:18:43	327.30	-5.54		0.29	27	MI	1.00	26	UT	6.16	139	UT	8.12:	1682	UPn	2764	34.99	10.21:	10.37:	401	
IC 4595	2 F16154-7001	16:20:44.4	-70:08:35	319.03	-14.13		0.70	16	RI	0.67	19	UT	7.05	26	RI	18.64	193	UT	3419	45.75	10.68	10.78	267	
IRAS F16164-0746	2 F16164-0746	16:19:10.3	-07:53:57	5.73	+28.74		0.17:	30	USf	0.59:	35	UPn	10.29	50	UT	13.22	480	UT	8140	115.46	11.48	11.55:	69	
CGCG 052-037	1 F16284+0411	16:30:56.2	+04:04:58	19.27	+32.90		0.25	30	UT	0.81	31	UT	7.00	22	UT	11.23	133	UT	7342	104.72	11.26	11.38	91	
ESO 452-G005	2 16285-2759	16:31:40.2	-28:06:11	351.00	+13.58		1.03	47	RI	1.18	53	RI	6.44	856	UT	---	-	UUc	4175	61.25	10.88	10.90	231	
NGC 6181	1 F16301+1955	16:32:21.7	+19:49:29	37.17	+39.21		0.63	27	MI	1.41	34	RI	8.94	33	MI	20.83	339	UT	2382	30.70^S	10.39	10.51	357	
NGC 6156	2 16304-6030	16:34:51.9	-60:37:08	327.19	-8.76		1.23	17	RI	2.71	24	MI	17.17	49	MI	32.00	878	UT	3300	43.96	10.92	11.07	169	
ESO 069-IG006	2 F16330-6820	16:38:11.4	-68:26:07	321.40	-14.15		0.25	17	UT	0.71	19	UT	7.08	48	UT	12.68	276	UT	13926	188.61	11.82	11.92	24	AM1633-682
NGC 6217	1 F16350+7817	16:32:39.1	+78:11:50	111.32	+33.36		0.74	14	RI	2.03	16	RI	11.35	15	MI	20.62	79	UT	1353	23.49	10.19	10.34	411	ARP185
IRAS F16399-0937	N F16399-0937	16:42:39.2	-09:43:11	7.89	+22.98		0.27:	28	UPn	1.13:	41	UPn	8.42:	68	UPn	14.72:	1179	UPc	8098	114.61	11.44:	11.56:	68	
ESO 453-G005	2 F16443-2915	16:47:29.8	-29:21:17	352.31	+10.13		<0.11	-		0.61	32	RI	9.56:	94	UPn	12.17:	1154	UTb	6335	91.55	11.24:	11.29:	116	
NGC 6215	2 16467-5854	16:51:06.7	-58:59:38	329.78	-9.27		1.94	24	RI	3.53	32	RI	29.97	104	RI	47.55	642	UT	1560	19.04	10.39	10.54	344	
NGC 6221	2 16484-5908	16:52:46.1	-59:13:00	329.74	-9.57		3.11	26	RI	7.48	28	RI	49.07	61	RI	86.06	188	MI	1482	18.02	10.58	10.73	284	AM1648-590
NGC 6240	2 F16504+0228	16:52:58.6	+02:24:03	20.73	+27.29		0.59	25	UT	3.55	20	UT	22.94	54	UT	26.49	174	UT	7298	103.86	11.73	11.85	30	VV617
IRAS F16516-0948	2 F16516-0948	16:54:24.2	-09:53:22	9.50	+20.50		0.27	20	UT	0.49	34	UT	5.32:	139	UPn	11.65:	668	UPn	6755	96.87	11.15:	11.24:	129	
NGC 6286	1 F16577+5900	16:58:30.8	+58:56:19	88.01	+37.43	S	0.47	15	RI	0.62	17	RI	9.24	43	MI	23.11	48	MI	5637	79.78	11.26	11.32	107	ARP293NED02
NGC 6300	2 F17123-6245	17:17:00.3	-62:49:13	328.49	-14.05		1.71	21	RI	3.25	26	RI	16.72	31	RI	42.45	145	MI	1110	13.11	9.94	10.09	505	VV734
IRAS F17132+5313	1 F17132+5313	17:14:20.5	+53:10:34	80.61	+35.75		0.24	21	RI	0.65	24	UT	6.07	34	UT	7.90	105	UT	15212	204.26	11.77	11.89	25	
IRAS F17138-1017	2 F17138-1017	17:16:36.3	-10:20:40	12.24	+15.67		0.63	28	UT	2.12	38	UT	15.18	58	UT	19.02	339	UT	5197	75.84	11.27	11.42	86	
IRAS F17207-0014	2 F17207-0014	17:23:21.4	-00:17:00	22.22	+19.36		0.20	25	UT	1.61	29	UT	32.13	57	UT	36.08:	555	UPc	12852	175.68	12.35:	12.39:	2	
ESO 138-G027	2 F17222-5953	17:26:43.7	-59:55:56	331.65	-13.51		0.33	29	UT	1.35	30	UT	9.53	58	UT	11.05	628	UT	6215	88.80	11.21	11.34	104	AM1722-595
IC 4662	2 F17422-6437	17:47:06.9	-64:38:17	328.55	-17.84		0.27	36	RI	1.27	29	MI	8.82	35	MI	11.38	82	UT	307	1.69	7.72	7.85	628	
CGCG 083-025	2 F17468+1320	17:49:06.6	+13:19:56	38.18	+19.74		<0.15	-		0.50	29	RI	7.10	78	UT	9.81	292	UT	4881	70.98	10.90	10.95:	213	
NGC 6503	1 F17499+7009	17:49:27.9	+70:08:35	100.57	+30.64		1.08	8	RI	1.06	16	RI	10.08	16	RI	29.29	69	MI	-18	3.75	8.69	8.78	621	
UGC 11041	2 F17530+3447	17:54:51.7	+34:46:35	60.52	+26.02		0.51	17	RI	0.69	17	UT	5.84	20	UT	12.78	85	UT	4843	69.92	10.91	11.04	186	
CGCG 141-034	2 F17548+2401	17:56:55.2	+24:01:03	49.50	+22.16		0.18	18	UT	0.56	24	UT	6.24	37	UT	10.55	241	MI	5944	84.56	11.04	11.13	152	
IRAS 17578-0400	2 17578-0400	18:00:32.0	-04:00:55	23.45	+9.42		0.22:	36	USf	1.14	40	UT	27.69	201	UT	33.10	1696	UT	3968	58.62	11.31	11.35:	98	
IRAS 18090+0130	2 18090+0130	18:11:37.3	+01:31:40	29.73	+9.55		0.30	31	UT	0.81	31	UT	7.73:	80	UPn	15.64:	480	UPn	8662	120.21	11.49:	11.58:	64	
IC 4687/6	2 F18093-5744	18:13:38.6	-57:43:36	336.54	-17.91	R	1.01:	24	RIb	3.55:	20	RIb	20.20:	34	RIb	27.54:	95	MIb	5188	74.12	11.39:	11.55:	70	AM1809-574
NGC 6574	2 F18095+1458	18:11:51.0	+14:58:53	42.15	+15.41		0.91	31	UT	1.73	40	UT	14.57	167	UT	26.03	777	UT	2286	35.94	10.66	10.80	262	
ESO 140-G012	2 F18097-6006	18:14:17.4	-60:05:30	334.27	-18.88		0.41	30	UT	1.02	31	UT	5.69	42	UT	9.51	462	UT	3159	43.60	10.41	10.58	333	AM1809-600
NGC 6621	2 F18131+6820	18:12:55.2	+68:21:47	98.47	+28.60	R	0.31	17	UT	0.97	12	UT	6.78	22	UT	12.01	87	UT	6234	86.42	11.10	11.23	132	ARP081NED01;VV247a;VIIZw778;KPG534A
CGCG 142-034	2 F18145+2205	18:16:39.6	+22:06:44	49.43	+17.23	R	0.30	28	UT	0.55	21	UT	6.25	64	UT	11.94	309	UT	5599	79.74	11.01	11.11	157	
NGC 6643	2 F18212+7432	18:19:47.4	+74:34:09	105.54	+28.17		1.26	19	RI	1.42	23	RI	12.02	28	RI	31.63	84	UT	1485	21.85^S	10.26	10.37	396	
IRAS F18293-3413	2 F18293-3413	18:32:40.2	-34:11:26	0.15	-11.30		1.14	33	UT	3.98	43	UT	35.71	79	UT	53.38	388	UT	5449	77.76	11.69	11.81	33	
NGC 6670A/B	2 F18329+5950	18:33:35.6	+59:53:20	89.31	+25.42	R	0.36	25	UT	1.05	17	UT	8.98	37	UT	14.20	183	UT	8684	118.38	11.48	11.60	53	VIIZw812
IC 4734	2 F18341-5732	18:38:26.5	-57:29:24	338.00	-20.94		0.38	26	UT	1.33	37	UT	14.04	55	UT	25.31	178	UT	4813	68.57	11.22	11.30	114	

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common	IRAS	hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
NGC 6701 2	F18425+6036	18:43:12.1	+60:39:13	90.40	+24.40		0.55	22	RI	1.32	15	MI	10.05	28	UT	20.05	67	UT	3933	56.64	10.93	11.05	184	
NGC 6745 2	F19000+4040	19:01:41.5	+40:44:46	71.17	+15.51	U	0.33	21	RI	0.76	19	UT	6.97	38	MI	11.91	98	UT	4545	64.81	10.85	10.97	207	
NGC 6744 N	--- R	19:09:45.9	-63:51:27	332.22	-26.15		2.97	22	RZ	3.46	27	RZ	18.92	47	RZ	70.21	187	RZ	841	9.90	9.90	9.99	529	AM1904-635
NGC 6764 2	F19070+5051	19:08:16.0	+50:56:00	81.50	+18.23		0.54	21	RI	1.33	21	UT	6.62	38	MI	12.44	80	MI	2416	31.31^S	10.21	10.39	392	
NGC 6753 2	F19071-5707	19:11:22.5	-57:02:59	339.70	-25.13		0.94	20	RI	0.98	23	RI	9.79	48	RI	27.14	196	UT	3142	43.93	10.80	10.89	237	AM1907-570
ESO 593-IG008 2	F19115-2124	19:14:30.7	-21:19:08	16.07	-14.42		0.18	25	UT	0.51	38	UT	6.38	24	UT	9.37	62	UT	14608	196.19	11.77	11.87	29	
NGC 6786/UGC11415 N	F19120+7320	19:11:01.4	+73:25:10	104.72	+24.54	S	0.43	23	RI	1.42	15	RI	7.58	26	RI	10.77	262	UT	7533	102.69	11.26	11.43	85	VV414;KPG538
IRAS F19297-0406 2	F19297-0406	19:32:22.1	-04:00:02	34.02	-10.93		<0.10	-		0.69	34	UT	7.32	107	UT	8.62:	474	UPn	25700	338.24	12.31:	12.37:	3	
NGC 6808 2	F19384-7045	19:43:53.9	-70:37:58	324.79	-29.81		0.75	23	RI	0.87	20	UT	7.36	48	UT	17.91	166	UT	3452	47.85	10.70	10.83	251	
NGC 6810 2	F19393-5846	19:43:33.6	-58:39:22	338.58	-29.59		1.27	27	RI	3.55	24	UT	18.20	43	UT	32.60	139	UT	2031	27.37	10.52	10.69	299	
NGC 6814 2	F19398-1026	19:42:38.4	-10:19:28	29.35	-16.00		0.92	30	RI	1.04	34	RZ	6.53	38	RI	19.67	259	MI	1559	24.04	10.13	10.25	443	
UGC 11466 2	F19414+4510	19:42:58.6	+45:17:54	78.69	+10.63		0.37	18	UT	0.87	22	UT	8.84	34	UT	15.43	296	UT	818	15.90	9.73	9.83	557	
NGC 6822 N	--- R	19:44:56.8	-14:48:24	25.34	-18.40		0.25	-	RR	2.46	-	RR	47.63	-	RR	95.42	-	RR	-56	0.54^P	7.55	7.58	629	
NGC 6824 2	F19426+5559	19:43:40.8	+56:06:37	88.63	+15.45		0.51	18	UT	0.64	17	UT	5.82	32	UT	15.16	164	UT	3386	49.00	10.65	10.75	277	
NGC 6835 2	F19517-1241	19:54:33.5	-12:34:02	28.51	-19.60		0.65:	24	RIg	1.37:	42	UTg	11.16:	66	UTg	16.82:	175	UPg	1611	24.55	10.18:	10.32:	419	
IRAS 19542+1110 N	19542+1110	19:56:35.4	+11:19:03	50.61	-8.93		<0.08	-		0.77	37	RI	6.18	44	UT	6.22	327	UT	19402	256.71	11.98	12.04:	16	
ESO 339-G011 2	F19542-3804	19:57:37.5	-37:56:10	2.47	-28.70		0.36	28	UT	1.20	42	UT	5.96	55	UT	9.27	319	UT	5722	79.84	10.95	11.12	154	
IC 4946 2	F20205-4409	20:23:56.8	-43:59:46	356.44	-34.63		0.26	37	UT	0.65	32	UT	5.24	33	UT	6.74	103	UT	2921	41.26	10.28	10.42	386	
NGC 6907 2	F20221-2458	20:25:05.9	-24:48:32	18.85	-30.82		1.19	38	RZ	1.94	46	RI	14.14	45	RI	29.59	98	UT	3160	45.08	10.89	11.03	190	
MCG+04-48-002 2	20264+2533	20:28:34.4	+25:43:54	67.00	-7.57	R	0.52	21	UT	1.09	26	UT	9.93	60	UT	17.36	211	UT	4259	59.65	10.94	11.06	176	
NGC 6918 2	F20272-4738	20:30:47.7	-47:28:23	352.30	-36.07		0.30	31	UT	1.34	34	UT	9.17	30	UT	13.76	106	UT	1800	24.95	10.10	10.23	452	
NGC 6926 2	F20304-0211	20:33:04.8	-02:01:39	43.23	-23.44	S	0.63	34	RI	1.03	32	RI	7.09	56	RI	14.38	641	UT	5970	81.94	11.11	11.26	125	VV621
NGC 6946 2	F20338+5958 R	20:34:52.6	+60:09:12	95.72	+11.67		12.11	31	RZ	20.70	29	RZ	129.78	71	RZ	290.69	458	RZ	53	5.32	10.01	10.16	483	ARP029
IRAS 20351+2521 2	20351+2521	20:37:18.6	+25:31:42	68.00	-9.29		0.26	18	UT	0.71	18	UT	5.93	40	UT	8.95	205	UT	10067	134.85	11.41	11.54	74	
NGC 6951 2	F20366+6555	20:37:13.9	+66:06:20	100.90	+14.85		1.34	14	RI	2.16	14	RI	16.24	29	RI	41.77	179	MI	1464	23.99	10.46	10.57	337	
IC 5063 2	F20482-5715	20:52:03.5	-57:04:03	339.99	-38.74		1.11	23	UT	3.94	30	UT	5.87	38	UT	4.25	207	UT	3380	47.19	10.47	10.85	247	AM2048-571
CGCG 448-020 2	F20550+1655	20:57:23.3	+17:07:34	63.93	-18.06		0.26	35	UT	2.30	26	UT	12.65	26	UT	11.76	142	UT	10810	144.10	11.77	11.87	28	IIZw096
ESO 286-IG019 2	F20551-4250	20:58:27.4	-42:38:57	358.64	-40.80		0.28	21	UT	1.87	31	UT	12.19	32	UT	10.31	65	UT	12940	172.76	11.92	12.00	20	AM2055-425
ESO 286-G035 2	F21008-4347	21:04:11.2	-43:35:34	357.40	-41.85	R	0.42:	27	RIg	0.81:	24	UTg	8.55:	77	RZg	12.60:	143	UTg	5208	71.98	11.00:	11.13:	151	
IRAS 21101+5810 2	21101+5810	21:11:29.3	+58:23:04	97.31	+6.93		0.15	26	MI	0.82	15	MI	7.94	58	MI	11.08:	1041	UPn	11705	155.72	11.65:	11.75:	39	
ESO 402-G026 2	F21194-3653	21:22:33.5	-36:40:44	7.05	-45.21		0.33	34	UT	0.77	28	UT	6.59	36	UT	12.00	131	UT	2708	37.98	10.37	10.49	363	
NGC 7083 2	F21318-6407	21:35:43.9	-63:54:08	329.35	-41.81		0.71	15	RI	0.87	25	RI	5.84	35	RI	16.40	79	UT	3109	32.84^S	10.33	10.45	375	
NGC 7090 2	F21329-5446	21:36:28.4	-54:33:30	341.30	-45.38		0.43	21	RI	0.76	32	RI	8.15	36	RI	19.74	109	RI	857	7.65^S	9.15	9.22	606	AM2133-544
ESO 343-IG013 2	F21330-3846	21:36:10.8	-38:32:38	4.42	-47.94		0.28	27	UT	0.87	41	UT	6.27	44	UT	8.69	155	UT	5714	77.99	10.93	11.07	170	VV714;AM2133-384
NGC 7130 2	F21453-3511	21:48:19.6	-34:57:05	9.94	-50.35		0.58	18	UT	2.16	31	UT	16.71	44	UT	25.89	132	UT	4824	65.99	11.23	11.35	101	AM2145-351NED02
NGC 7172 2	F21591-3206	22:02:02.2	-31:52:09	15.13	-53.07	S	0.42	27	UT	0.88	35	MI	5.76	25	UT	12.42	85	UP	2603	36.16	10.31	10.45	376	AM2159-320;HCG090A
UGC 11898 2	F22025+4204	22:04:35.1	+42:19:33	92.90	-10.61		<0.13	-		0.76	28	UT	9.59	49	UT	14.62:	1041	UPn	4323	58.97	10.88:	10.94:	217	
NGC 7205 2	F22051-5741	22:08:34.4	-57:26:35	334.82	-48.36		1.00	19	RI	1.51	32	RI	9.80	33	RI	27.72	160	UT	1690	16.66^S	9.96	10.07	509	AM2205-574
NGC 7217 2	F22056+3106	22:07:52.4	+31:21:38	86.51	-19.71		0.62	31	RI	0.69	28	RI	6.05	45	RI	20.76	133	MI	1051	17.02	9.85	9.90	548	
ESO 467-G027 2	F22118-2742	22:14:40.2	-27:27:49	23.13	-55.32		0.44	30	UT	0.58	55	UT	5.58	36	UT	12.48	119	UT	5247	70.88	10.90	11.02	193	AM2211-274
IC 5179 2	F22132-3705	22:16:10.0	-36:50:35	6.50	-55.93		1.18	37	UT	2.40	37	MI	19.39	62	UT	37.29	90	UT	3398	46.70	11.03	11.16	148	AM2213-370
NGC 7253A/B 2	F22171+2908	22:19:28.0	+29:23:43	87.36	-22.79	U	0.40	30	RZ	0.53	28	UT	6.65	34	UT	13.44	111	UT	4583	61.80	10.83	10.93	219	ARP278;VV242;KPG566
ESO 602-G025 1	F22287-1917	22:31:27.4	-19:01:55	39.55	-56.92		0.27	29	UT	0.91	45	MI	5.42	44	UT	9.64	82	UT	7507	99.73	11.13	11.27	120	
NGC 7331 N	F22347+3409 R	22:37:04.6	+34:24:56	93.72	-20.72		3.94	44	RZ	5.92	36	RZ	45.00	91	RZ	110.16	468	RI	836	14.71^P	10.46	10.58	334	
ESO 534-G009 2	F22359-2606	22:38:40.8	-25:51:05	27.75	-60.35		0.46	48	RI	0.63	42	RI	6.03	36	UT	11.78	111	UT	3393	46.16	10.52	10.65	310	
UGC 12150 2	F22389+3359	22:41:12.3	+34:14:59	94.41	-21.31		0.37	33	UT	0.82	31	UT	8.00	56	UT	15.58	134	UT	6413	85.21	11.18	11.29	117	
ESO 239-IG002 2	F22467-4906	22:49:39.6	-48:51:01	341.95	-58.02		0.10	26	UT	1.17	28	MI	7.24	44	UT	7.92	153	UT	12839	170.03	11.67	11.78	36	AM2246-490
IRAS F22491-1808 1	F22491-1808	22:51:49.0	-17:52:27	45.18	-60.95		<0.09	-		0.54	67	UT	5.54	36	UT	4.64	95	UT	23170	301.83	12.09	12.11:	13	
NGC 7418 N	F22537-3717	22:56:35.4	-37:01:54	3.46	-63.86		0.66	41	RI	0.69	30	RI	6.67	42	RZ	16.07	502	UT	1446	19.79	9.89	10.01	525	
NGC 7448 1	F22575+1542	23:00:02.7	+15:58:47	87.56	-39.12		0.45	26	UT	0.77	38	RI	8.88	42	RI	17.89	133	UT	2200	30.40	10.33	10.43	383	ARP013

TABLE 1—*Continued*

Name		R.A. (J2000) DEC		ℓ	b	HR	12μm			25μm			60μm			100μm			cz	D	log($L_{\rm fir}$, $L_{\rm ir}$)			IG/AGN Names
Common	IRAS	hh:mm:ss.s	°: ′: ″	°	°		Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	Jy	mJy	SMF	km/s	Mpc	$L_\odot$	$L_\odot$	Rank	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)			(9)			(10)			(11)			(12)	(13)	(14)	(15)	(16)	(17)
NGC 7465	1 F22594+1542	23:01:58.4	+15:58:11	88.06	-39.38	S	0.26	42	UT	0.67	39	RI	5.47	42	RI	8.14:	237	RIb	1968	27.44	9.96:	10.10:	501	MRK0313
NGC 7469	1 F23007+0836	23:03:15.5	+08:52:25	83.10	-45.47	S	1.59	39	RI	5.96	32	UT	27.33	40	UT	35.16	599	UT	4922	65.23	11.40	11.59	59	ARP298NED01;MRK1514;KPG575A
NGC 7479	1 F23024+1203	23:04:57.7	+12:19:29	86.28	-42.84		1.37	28	RI	3.86	71	MI	14.93	49	RI	26.73	247	MI	2364	32.36	10.58	10.79	263	
CGCG 453-062	1 F23024+1916	23:04:55.2	+19:33:01	91.16	-36.66		0.19	38	UT	0.54	38	UT	7.19	47	UT	11.73:	163	UPn	7524	98.96	11.23:	11.31:	110	
NGC 7496	2 F23069-4341	23:09:46.1	-43:25:43	347.84	-63.80		0.58	34	RI	1.93	34	MI	10.14	39	MI	16.57	67	MI	1649	22.34	10.07	10.23	451	VV771
IRAS 23085+6723	2 23085+6723	23:10:32.0	+67:39:40	113.55	+6.65		0.44	23	UT	1.94	22	UT	7.64:	38	UPn	8.26:	857	UPn	1478	23.26	9.94:	10.13:	490	
NGC 7541	1 F23121+0415	23:14:43.3	+04:32:00	82.84	-50.65	S	1.52	54	RI	2.09	46	RI	20.08	55	MI	41.87	104	UT	2663	30.09^S	10.69	10.81	258	KPG578B
ESO 148-IG002	2 F23128-5919	23:15:46.6	-59:03:14	323.73	-54.04		0.35	24	RI	1.64	26	UT	10.94	37	UT	10.68	100	UT	13403	177.75	11.89	12.00	19	AM2312-591
NGC 7552	2 F23133-4251	23:16:09.5	-42:35:09	348.15	-65.23	S	3.76	82	RI	11.92	30	UT	77.37	92	UT	102.92	188	UT	1585	21.44	10.88	11.03	189	VV440;GrusQuartetNED01
IC 5298	1 F23135+2517	23:16:01.7	+25:33:33	97.30	-32.52		0.34	24	RI	1.95	53	MI	9.06	51	UT	11.99	97	UT	8241	108.19	11.37	11.54	73	
NGC 7582	2 F23156-4238	23:18:22.2	-42:22:19	348.08	-65.69	S	2.30	33	RI	7.39	22	MI	52.20	114	MI	82.86	109	MI	1575	21.29	10.73	10.87	244	GrusQuartetNED02
NGC 7591	1 F23157+0618	23:18:15.7	+06:35:06	85.76	-49.44		0.28	36	UT	1.27	62	RI	7.87	51	MI	14.87	321	UT	4961	65.49	10.94	11.05	180	
NGC 7592	1 F23157-0441	23:18:22.2	-04:24:56	74.49	-58.24	U	0.26	31	UT	0.97	56	UT	8.05	49	UT	10.58	137	UT	7242	95.13	11.21	11.33	106	VV731
NGC 7590	2 F23161-4230	23:18:55.5	-42:14:17	348.23	-65.85	S	0.69	38	RI	0.89	26	UT	7.69	42	MI	20.79	98	MI	1596	21.58	10.06	10.16	482	GrusQuartetNED03
NGC 7599	2 F23165-4231	23:19:20.6	-42:15:25	348.09	-65.91	S	0.74	27	RI	0.77	26	MI	6.39	48	MI	18.31:	88	UPn	1654	22.38	10.04:	10.14:	486	GrusQuartetNED04
NGC 7625	1 F23179+1657	23:20:30.0	+17:13:34	93.91	-40.47		0.61	32	UT	1.04	36	UT	8.64	32	UT	18.51	146	UT	1611	22.73	10.08	10.20	462	ARP212;VV280;IIIZw102
ESO 077-IG014	2 F23180-6929	23:21:05.0	-69:12:49	314.22	-45.88	U	0.20	16	RI	0.45	22	UT	5.70	19	UT	9.90	104	UT	12460	166.27	11.61	11.70	42	AM2317-692
NGC 7674	1 F23254+0830	23:27:56.9	+08:46:46	90.63	-48.79		0.68	37	UT	1.92	34	UT	5.36	42	UT	8.33	141	UT	8688	113.64	11.22	11.50	78	ARP182NED01;VV343a;MRK0533;HCG096A
NGC 7678	1 F23259+2208	23:28:27.0	+22:25:09	98.88	-36.55		0.63	25	RI	1.16	29	RZ	6.98	70	MI	14.84	115	UT	3482	46.49	10.61	10.77	271	ARP028;VV359
NGC 7679	1 23262+0314	23:28:47.0	+03:30:46	86.68	-53.44		0.50	38	UT	1.12	69	UT	7.40	42	UT	10.71	100	UT	5143	67.70	10.88	11.05	182	ARP216NED01;VV329a;MRK0534
NGC 7714	1 F23336+0152	23:36:14.2	+02:09:17	88.22	-55.56	S	0.47	36	UT	2.88	59	UT	11.16	62	UT	12.26	125	UT	2858	38.16	10.53	10.72	290	ARP284NED01;VV051a;MRK0538;KPG587A
IRAS F23365+3604	2 F23365+3604	23:39:01.7	+36:21:14	107.00	-24.27		<0.09	-		0.94	25	MI	7.44	46	UT	9.01	216	UT	19330	251.84	12.04	12.13:	12	
MCG -01-60-022	N F23394-0353	23:42:02.2	-03:36:48	84.74	-61.23	S	0.41	29	RI	1.06	66	RI	5.39	34	MI	8.26	119	UT	6966	91.19	11.02	11.21	137	VV034a;ARP295B
IRAS 23436+5257	2 23436+5257	23:46:05.8	+53:14:00	113.13	-8.39		0.17	29	UT	0.74	22	UT	5.66	44	MI	9.01:	185	UPn	10233	134.78	11.40:	11.51:	75	
NGC 7752/3	N F23444+2911	23:47:01.3	+29:28:11	106.51	-31.34	R	0.59	42	RI	0.83	53	RI	5.79	59	RI	11.58	555	UT	5118	67.46	10.84	11.01	197	ARP086;VV005;KPG591
NGC 7771	1 F23488+1949	23:51:24.7	+20:06:39	104.26	-40.57	S	0.99	36	RI	2.17	36	RI	19.67	135	UT	40.12	839	UT	4336	57.11	11.23	11.34	105	MRK9006;KPG592B
MRK 0331	1 F23488+2018	23:51:26.1	+20:35:08	104.46	-40.12	U	0.52	35	UT	2.54	26	MI	18.00	46	UT	22.70	194	UT	5371	70.46	11.28	11.41	87	KPG593B
NGC 7793	2 F23552-3252	23:57:48.5	-32:35:28	4.52	-77.17		1.32	38	RI	1.67	48	RI	18.14	48	RI	54.07	89	RI	230	3.10^S	8.79	8.84	619	AM2355-325
UGC 12914/5	1 F23591+2312	00:01:40.7	+23:29:37	108.42	-37.97	R	0.46	40	RI	0.83	43	RI	6.41	37	MI	14.11	178	UT	4534	59.62	10.81	10.93	221	VV254;IIIZw125;KPG603;TAFFYGALAXY

NOTE.—See the text for explanations of the column contents, flags, and codes.

3.1. Annotated Images from the Digitized Sky Survey

Figure 1 presents images extracted from the Digitized Sky Survey (DSS1)[10] for all objects in the RBGS. They are intended to quickly visualize the optical morphology in context with the angular and metric size of each object. Horizontal bars on the bottom of each plot show the angular scale labeled in arcminutes, and vertical bars on the lower right side of each plot show the metric scale labeled in kiloparsecs. Metric sizes are derived using the source distance estimates listed in Table 1. The ellipses represent 3-sigma uncertainties in the *IRAS* positions from the FSC and PSC. Note that for the LMC and SMC, no ellipse is shown because there is no point source from the FSC or PSC corresponding to the "center" of these large, diffuse galaxies. In general there is very good agreement between the *IRAS* catalog source position and the coordinates of the optical galaxy. A notable exception is the position of *IRAS* 10574-6603 taken from the PSC, which has a large offset from the optical galaxy ESO 093-G003. The fact that this offset is in the direction of the major axis of the *IRAS* positional uncertainty ellipse (PA = 150°), and that SCANPI shows a peak in the *IRAS* emission that is coincident with the position of the optical galaxy, confirms this cross-identification. In some cases the IRAS source position is located between components of optical pairs or groups of galaxies. This is a clear indication that more than one galaxy contributes significantly to the *IRAS* emission. Such objects (e.g., AM 0702-601, ESO 297-G011/12, IC 563/4, NGC 7465) are a subset of the pairs and groups investigated using HIRES processing of the IRAS data (Surace, Sanders & Mazzarella 2003), which are flagged by "(H)" following the object names in Figure 1.

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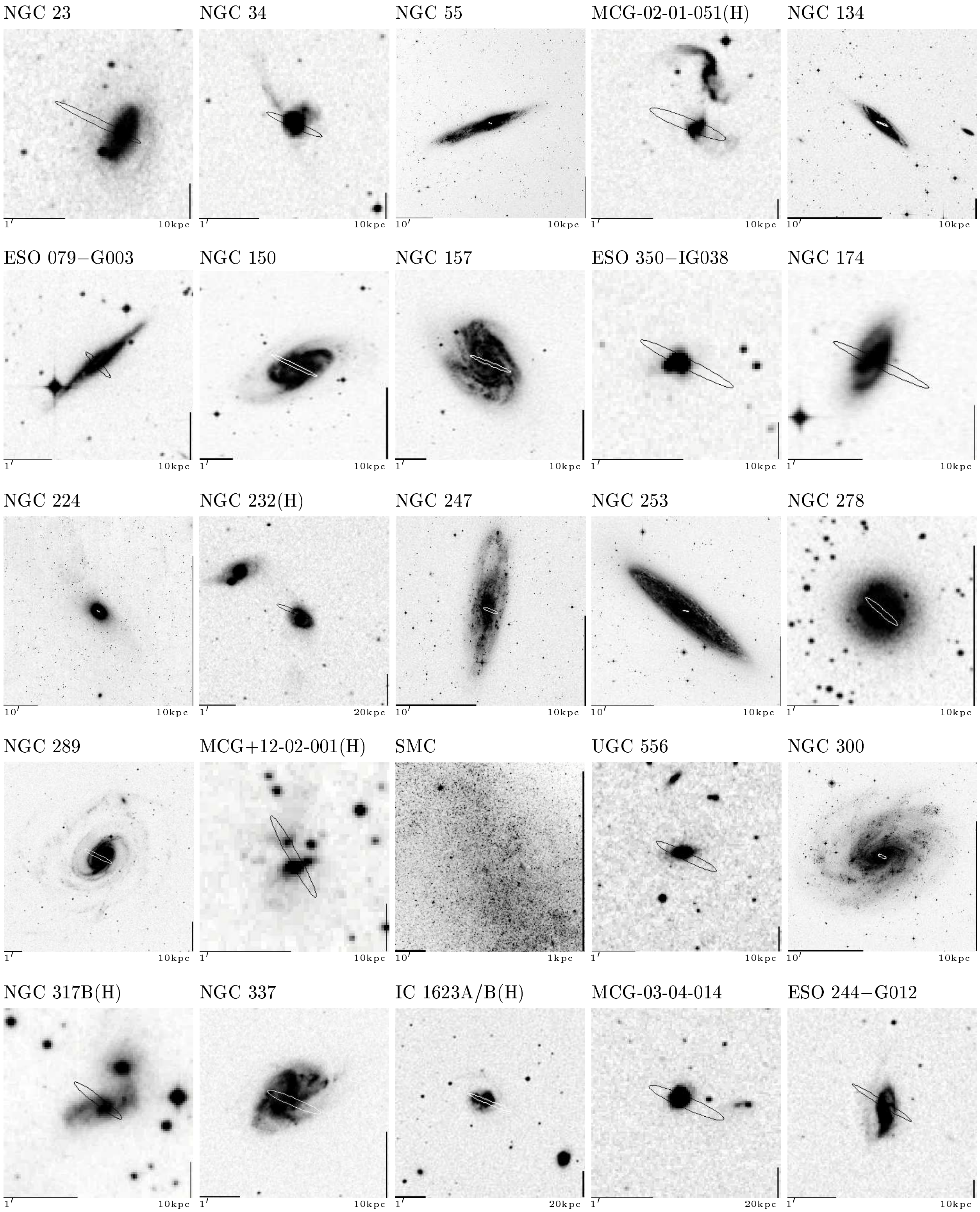
[10] The Digitized Sky Survey was produced at the Space Telescope Science Institute under U.S. Government grant NAG W-2166. The images of these surveys are based on photographic data obtained using the Oschin Schmidt Telescope on Palomar Mountain and the UK Schmidt Telescope. The plates were processed into the present compressed digital form with the permission of these institutions.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10kpc
NGC 34
1′
10kpc
NGC 55
10′
10kpc
MCG-02-01-051(H)
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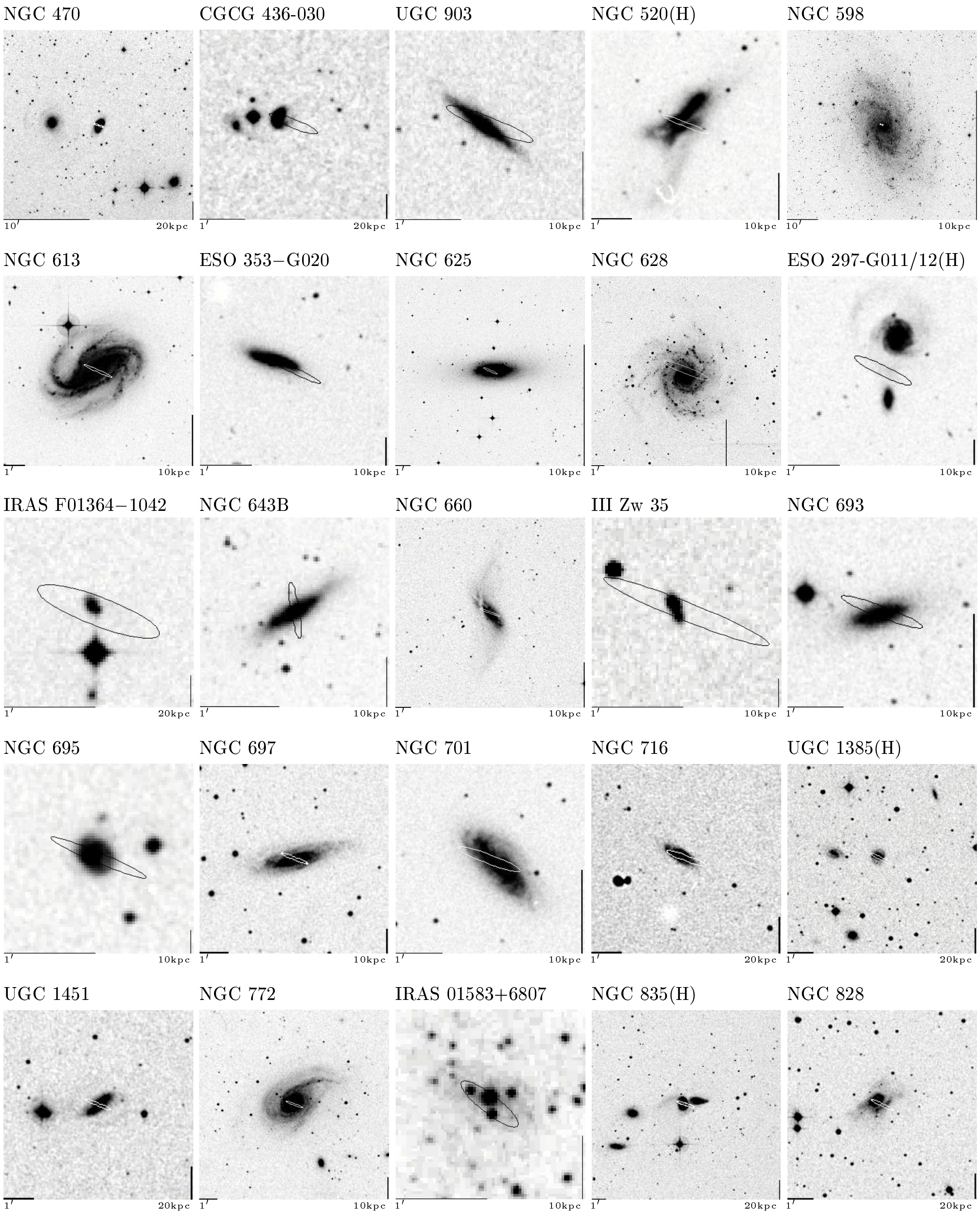
10kpc
NGC 134
10′
10kpc
ESO 079−G003
1′
10kpc
NGC 150
1′
10kpc
NGC 157
1′
10kpc
ESO 350−IG038
1′
10kpc
NGC 174
1′
10kpc
NGC 224
10′
10kpc
NGC 232(H)
1′
20kpc
NGC 247
10′
10kpc
NGC 253
10′
10kpc
NGC 278
1′
10kpc
NGC 289
1′
10kpc
MCG+12-02-001(H)
1′
10kpc
SMC
10′
1kpc
UGC 556
1′
10kpc
NGC 300
10′
10kpc
NGC 317B(H)
1′
10kpc
NGC 337
1′
10kpc
IC 1623A/B(H)
1′
20kpc
MCG-03-04-014
1′
20kpc
ESO 244−G012
1′
10kpc

Fig. 1.— DSS1 images of each RBGS object. Horizontal bars on the bottom of each plot show the angular scale labeled in arcminutes, and vertical bars on the lower right side of each plot show the metric scale labeled in kiloparsecs. The ellipses represent 3-sigma uncertainties in the IRAS positions. (Note: For the LMC and SMC, no ellipse is shown because there is no FSC or PSC source corresponding to the "center" of these large, diffuse galaxies.) Pairs and groups for which improved 2-D spatial resolution has been attempted using HIRES processing of the IRAS data (Surace, Sanders & Mazzarella 2003) are indicated by "(H)" following the object name.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CGCG 436-030
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20kpc
UGC 903
1′
10kpc
NGC 520(H)
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10kpc
NGC 598
10′
10kpc
NGC 613
1′
10kpc
ESO 353−G020
1′
10kpc
NGC 625
1′
10kpc
NGC 628
1′
10kpc
ESO 297-G011/12(H)
1′
10kpc
IRAS F01364−1042
1′
20kpc
NGC 643B
1′
10kpc
NGC 660
1′
10kpc
III Zw 35
1′
10kpc
NGC 693
1′
10kpc
NGC 695
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NGC 697
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NGC 701
1′
10kpc
NGC 716
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UGC 1385(H)
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UGC 1451
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20kpc
NGC 772
1′
10kpc
IRAS 01583+6807
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NGC 835(H)
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NGC 828
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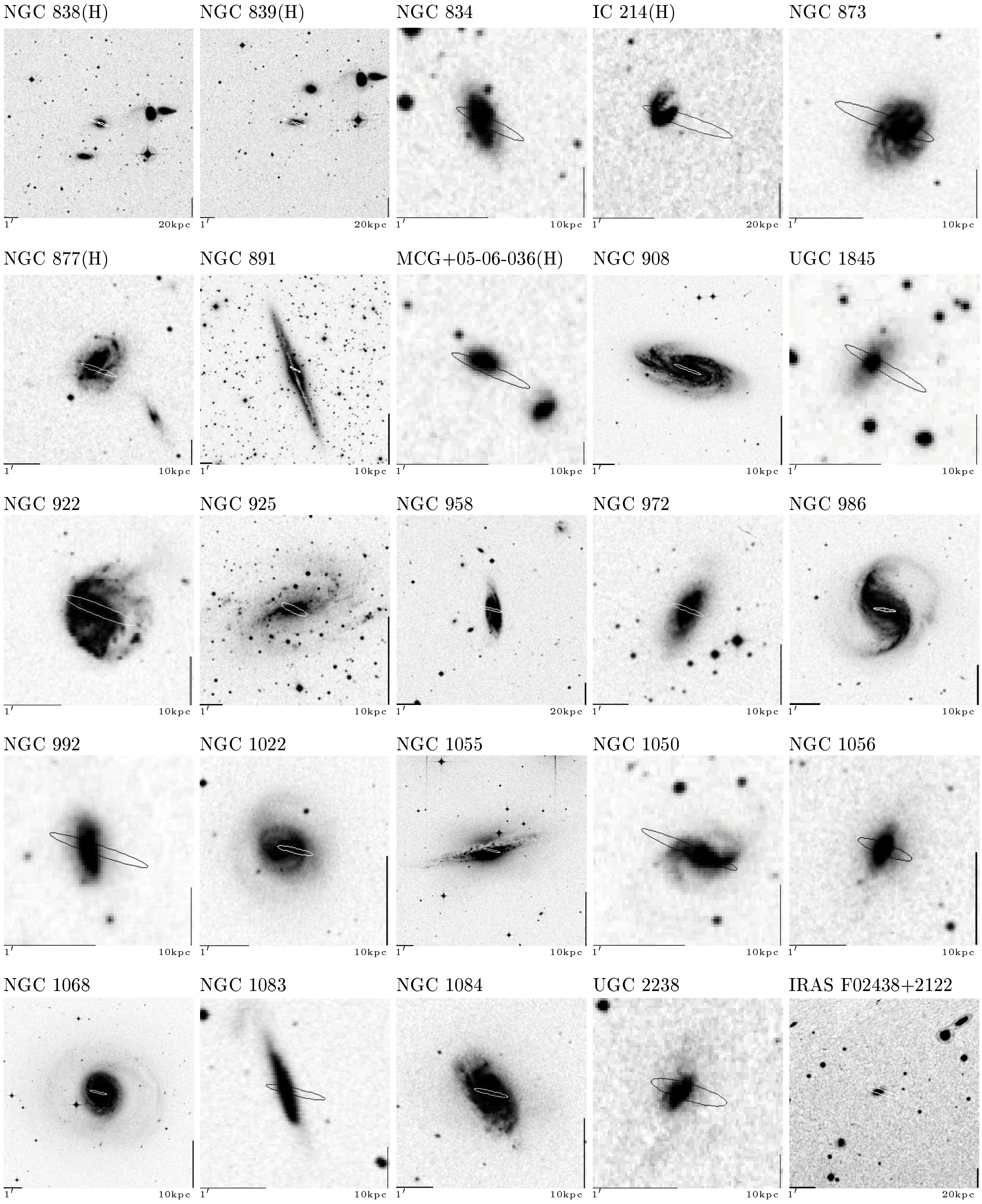
20kpc

Fig. 1.— Continued (p. 2 of 26).



NGC 838(H)
NGC 839(H)
NGC 834
IC 214(H)
NGC 873
NGC 877(H)
NGC 891
MCG+05-06-036(H)
NGC 908
UGC 1845
NGC 922
NGC 925
NGC 958
NGC 972
NGC 986
NGC 992
NGC 1022
NGC 1055
NGC 1050
NGC 1056
NGC 1068
NGC 1083
NGC 1084
UGC 2238
IRAS F02438+2122

1′
20kpc
1′
20kpc
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10kpc
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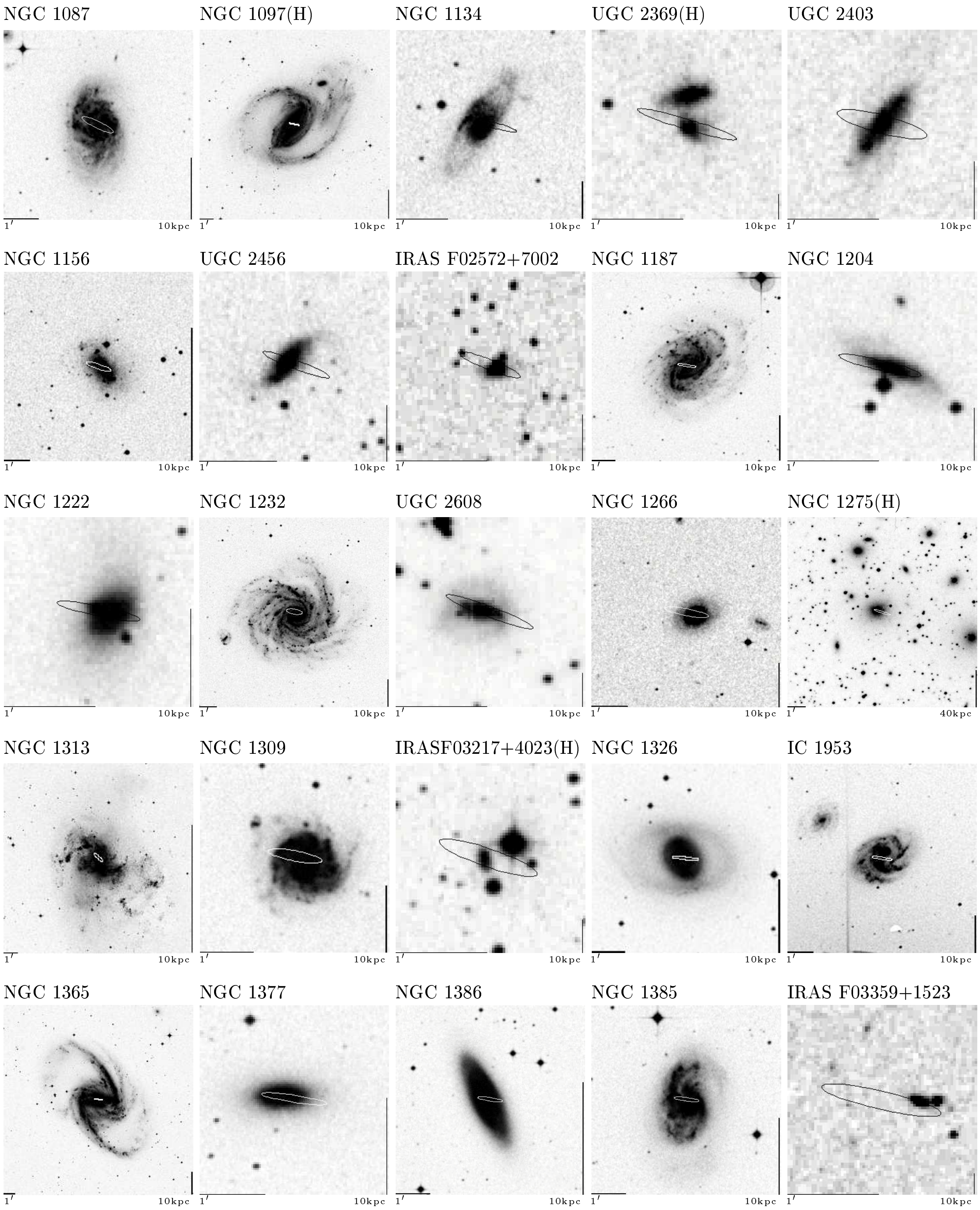
20kpc

Fig. 1.— Continued (p. 3 of 26).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UGC 2403
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10kpc
NGC 1156
1′
10kpc
UGC 2456
1′
10kpc
IRAS F02572+7002
1′
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NGC 1187
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10kpc
NGC 1204
1′
10kpc
NGC 1222
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UGC 2608
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10kpc
NGC 1266
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10kpc
NGC 1275(H)
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40kpc
NGC 1313
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10kpc
NGC 1309
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IRASF03217+4023(H)
1′
10kpc
NGC 1326
1′
10kpc
IC 1953
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10kpc
NGC 1365
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NGC 1377
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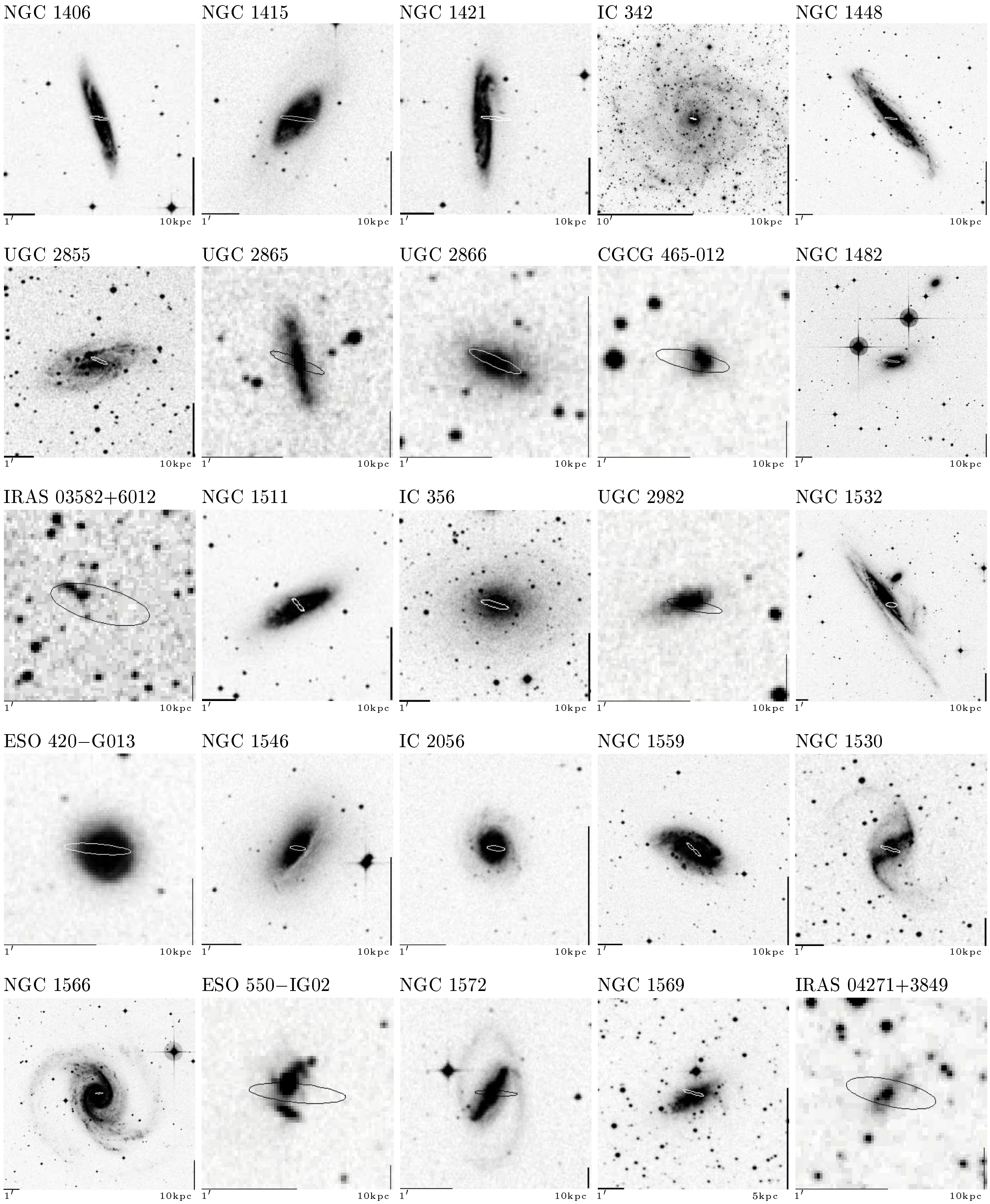
Fig. 1.— Continued (p. 4 of 26).



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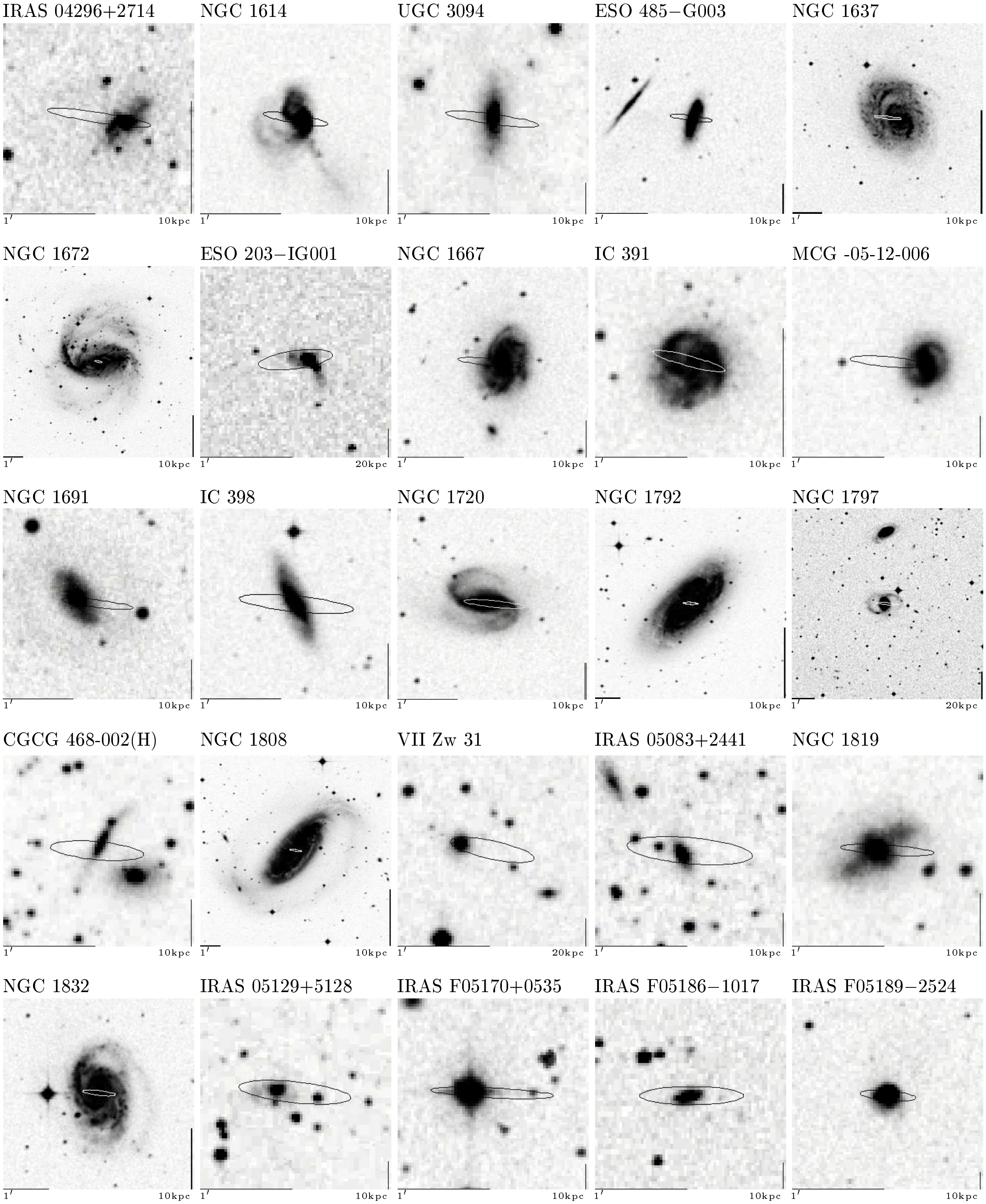
NGC 1421
IC 342
NGC 1448
UGC 2855
UGC 2865
UGC 2866
CGCG 465-012
NGC 1482
IRAS 03582+6012
NGC 1511
IC 356
UGC 2982
NGC 1532
ESO 420−G013
NGC 1546
IC 2056
NGC 1559
NGC 1530
NGC 1566
ESO 550−IG02
NGC 1572
NGC 1569
IRAS 04271+3849

Fig. 1.— Continued (p. 5 of 26).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NGC 1667
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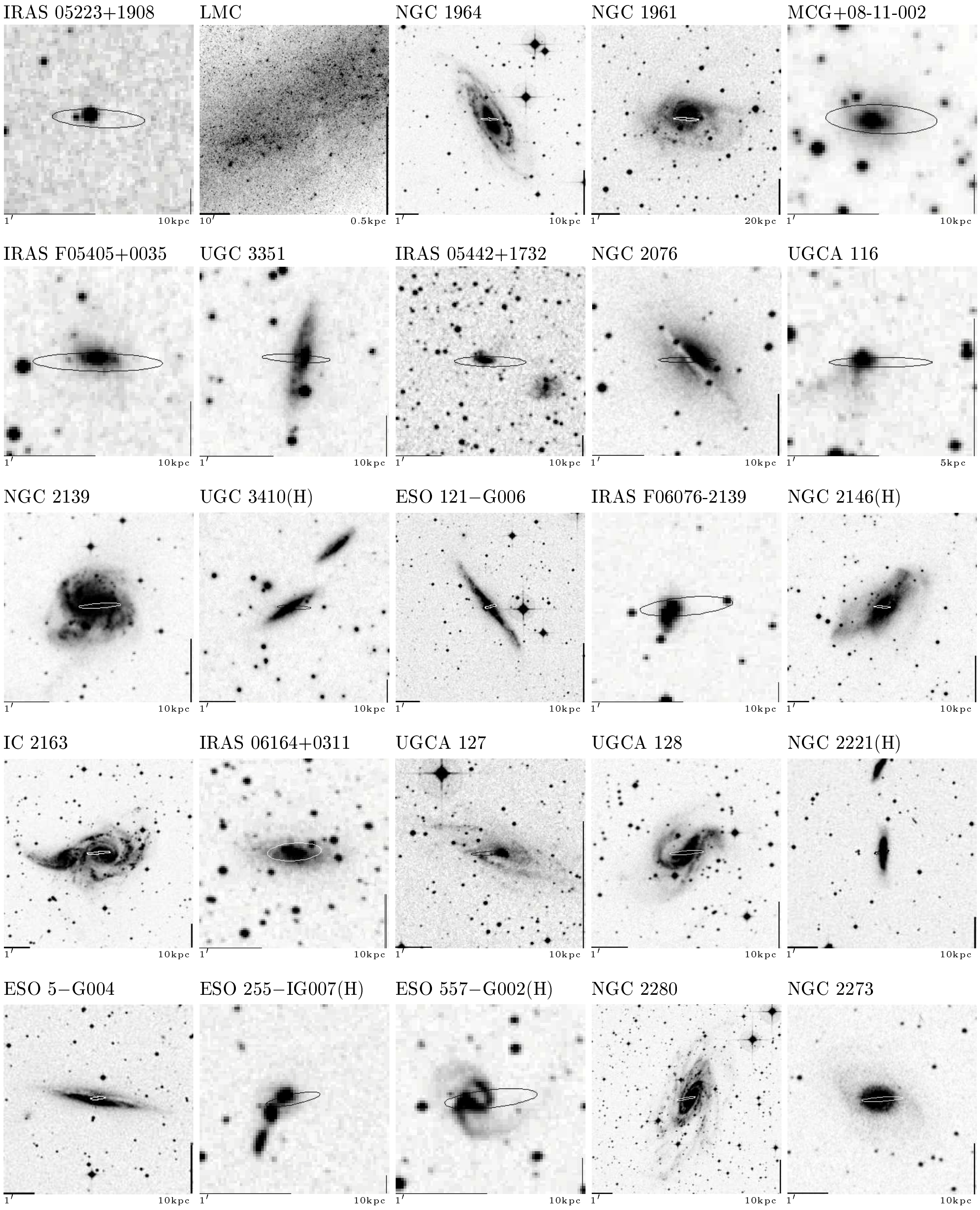
Fig. 1.— Continued (p. 6 of 26).



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LMC

NGC 1964

NGC 1961

MCG+08-11-002

IRAS F05405+0035

UGC 3351

IRAS 05442+1732

NGC 2076

UGCA 116

NGC 2139

UGC 3410(H)

ESO 121−G006

IRAS F06076-2139

NGC 2146(H)

IC 2163

IRAS 06164+0311

UGCA 127

UGCA 128

NGC 2221(H)

ESO 5−G004

ESO 255−IG007(H)

ESO 557−G002(H)

NGC 2280

NGC 2273

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10′
0.5kpc
1′
10kpc
1′
20kpc
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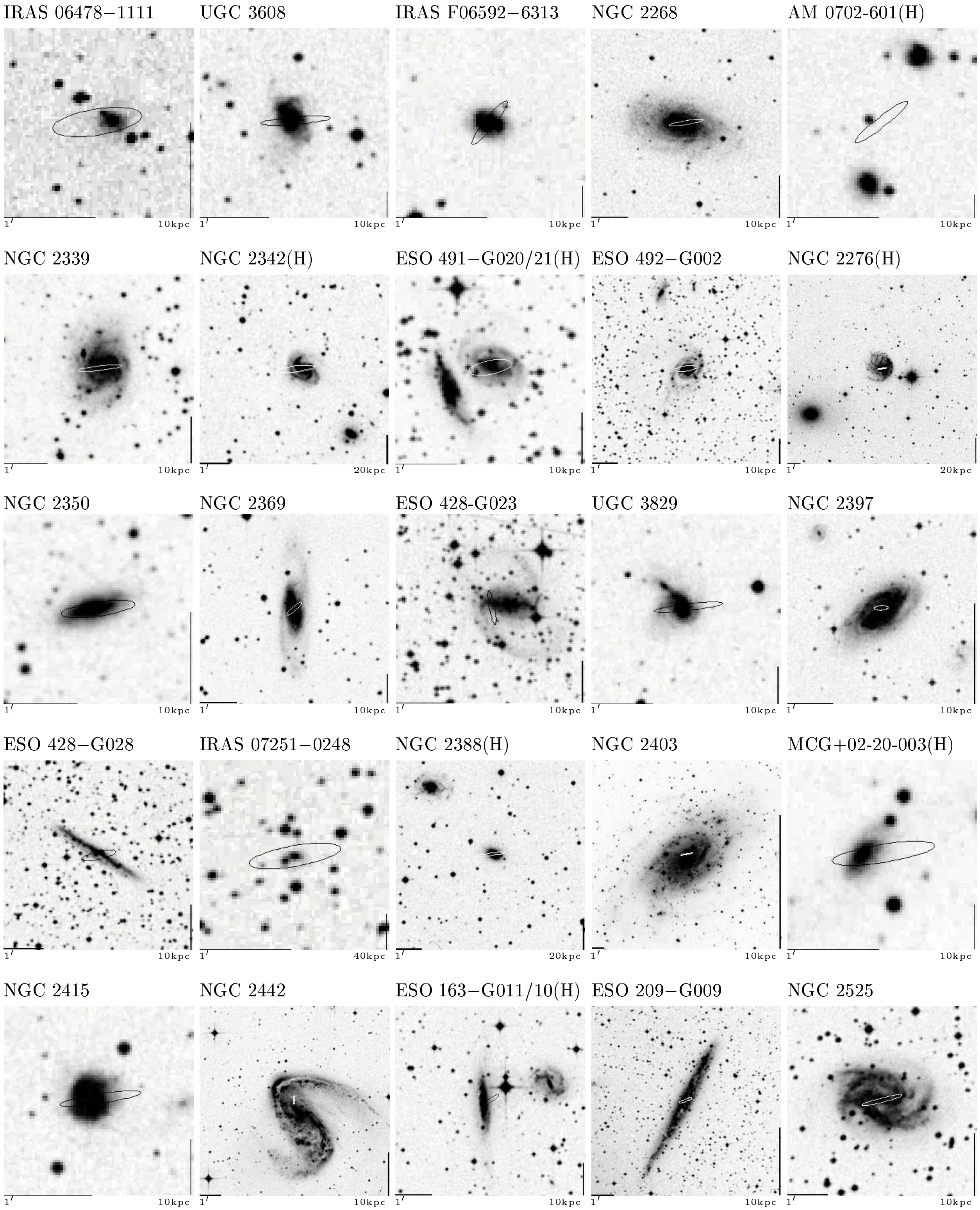
Fig. 1.— Continued (p. 7 of 26).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NGC 2415
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10kpc
NGC 2442
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10kpc
ESO 163−G011/10(H)
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ESO 209−G009
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10kpc
NGC 2525
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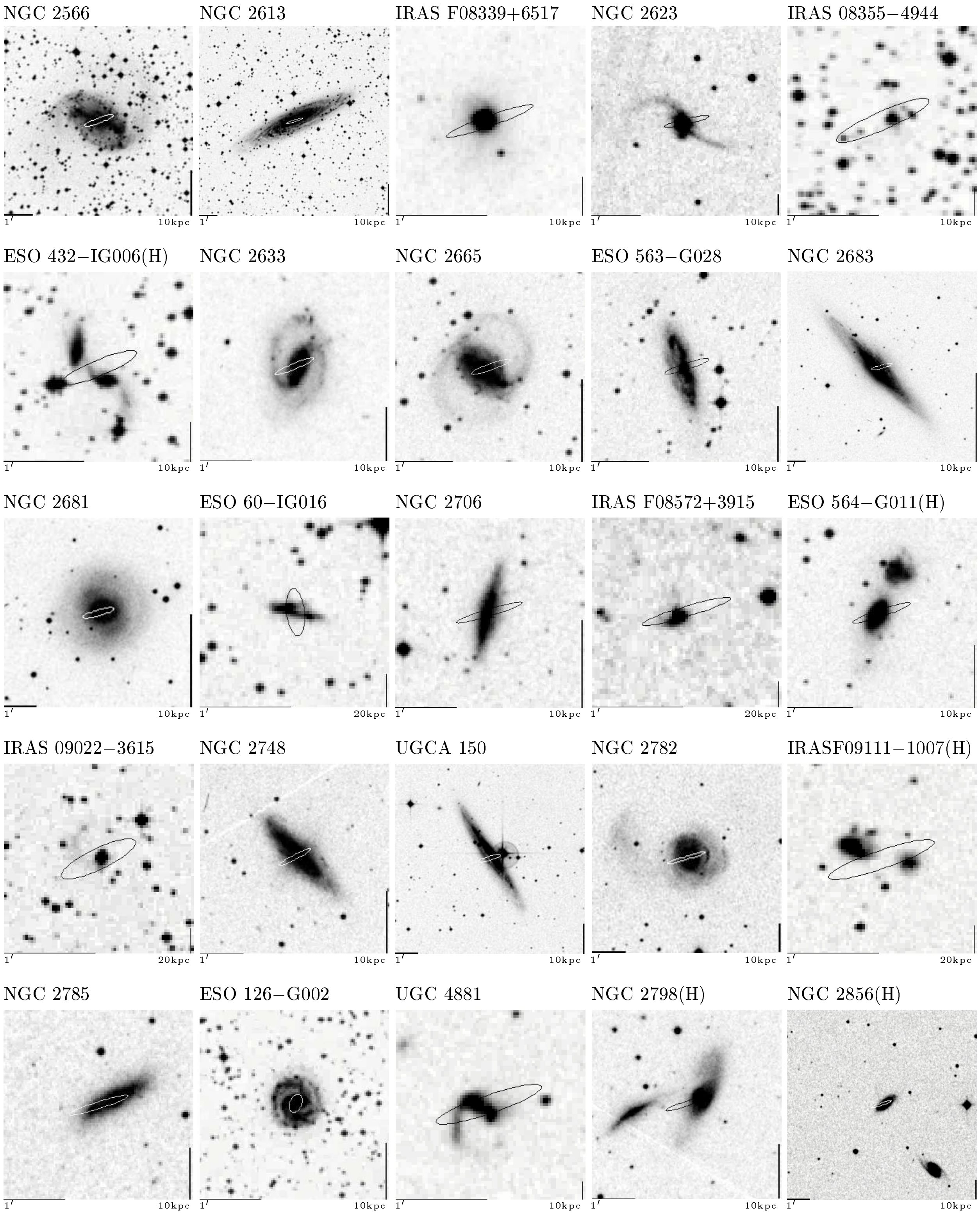
10kpc

Fig. 1.— Continued (p. 8 of 26).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IRAS 08355−4944
1′
10kpc
ESO 432−IG006(H)
1′
10kpc
NGC 2633
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NGC 2665
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ESO 564−G011(H)
1′
10kpc
IRAS 09022−3615
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NGC 2748
1′
10kpc
UGCA 150
1′
10kpc
NGC 2782
1′
10kpc
IRASF09111−1007(H)
1′
20kpc
NGC 2785
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10kpc
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10kpc
UGC 4881
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NGC 2798(H)
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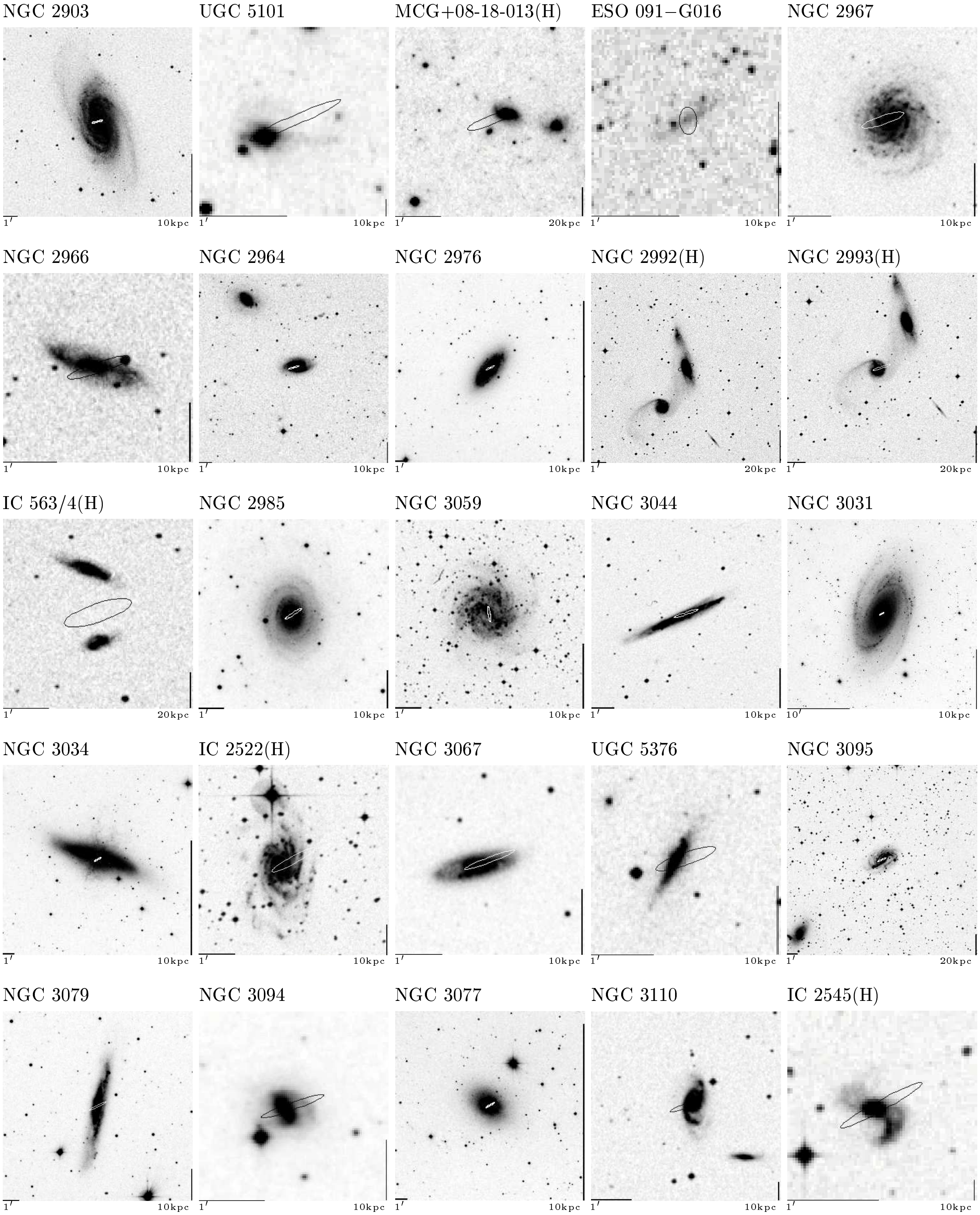
10kpc
NGC 2856(H)
1′
10kpc

Fig. 1.— Continued (p. 9 of 26).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MCG+08-18-013(H)
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20kpc
ESO 091−G016
1′
10kpc
NGC 2967
1′
10kpc
NGC 2966
1′
10kpc
NGC 2964
1′
10kpc
NGC 2976
1′
10kpc
NGC 2992(H)
1′
20kpc
NGC 2993(H)
1′
20kpc
IC 563/4(H)
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20kpc
NGC 2985
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10kpc
NGC 3059
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10kpc
NGC 3044
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10kpc
NGC 3031
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10kpc
NGC 3034
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10kpc
IC 2522(H)
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NGC 3067
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10kpc
UGC 5376
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10kpc
NGC 3095
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20kpc
NGC 3079
1′
10kpc
NGC 3094
1′
10kpc
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NGC 3110
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10kpc
IC 2545(H)
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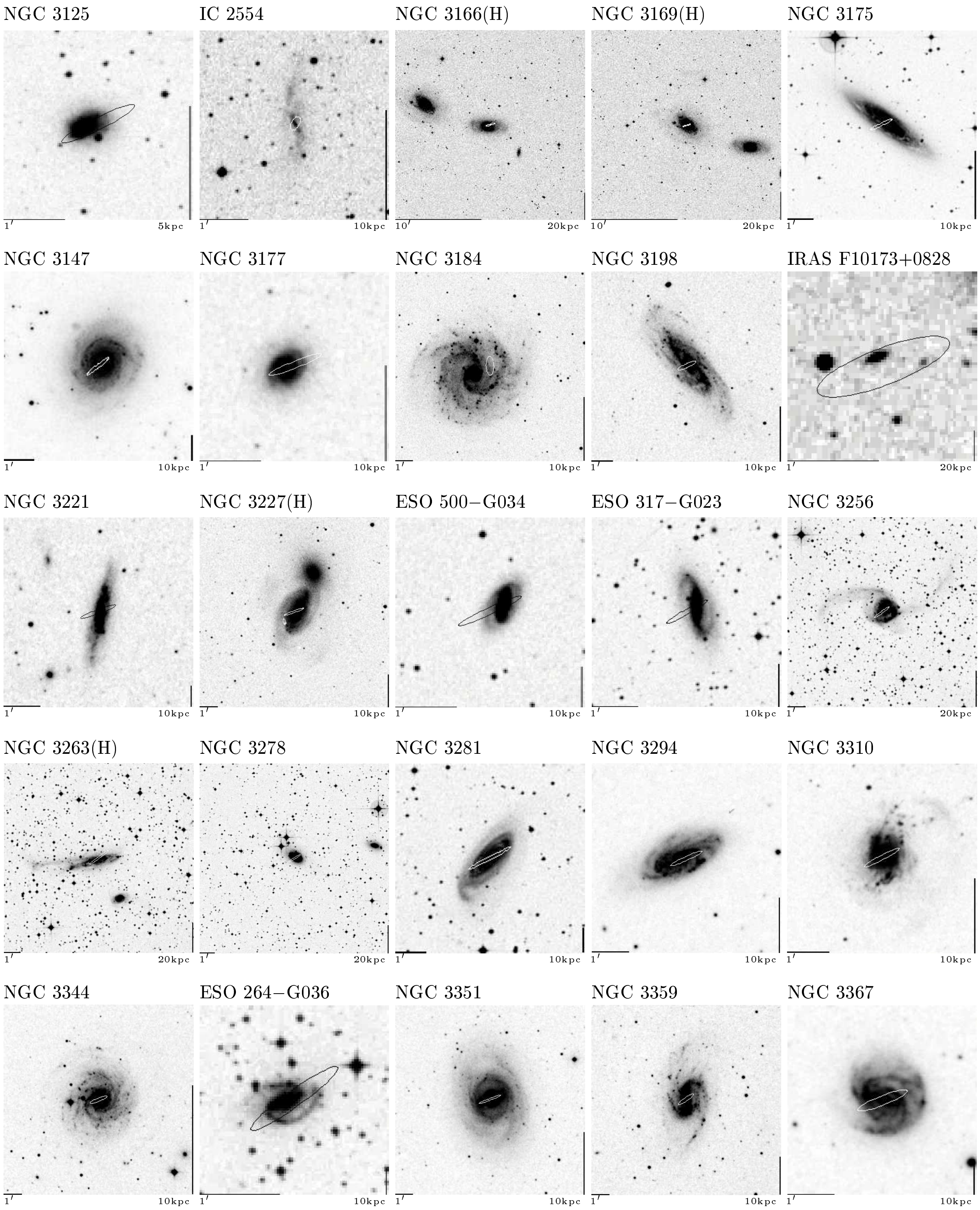
10kpc

Fig. 1.— Continued (p. 10 of 26).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NGC 3169(H)
NGC 3175
NGC 3147
NGC 3177
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IRAS F10173+0828
NGC 3221
NGC 3227(H)
ESO 500−G034
ESO 317−G023
NGC 3256
NGC 3263(H)
NGC 3278
NGC 3281
NGC 3294
NGC 3310
NGC 3344
ESO 264−G036
NGC 3351
NGC 3359
NGC 3367
1′
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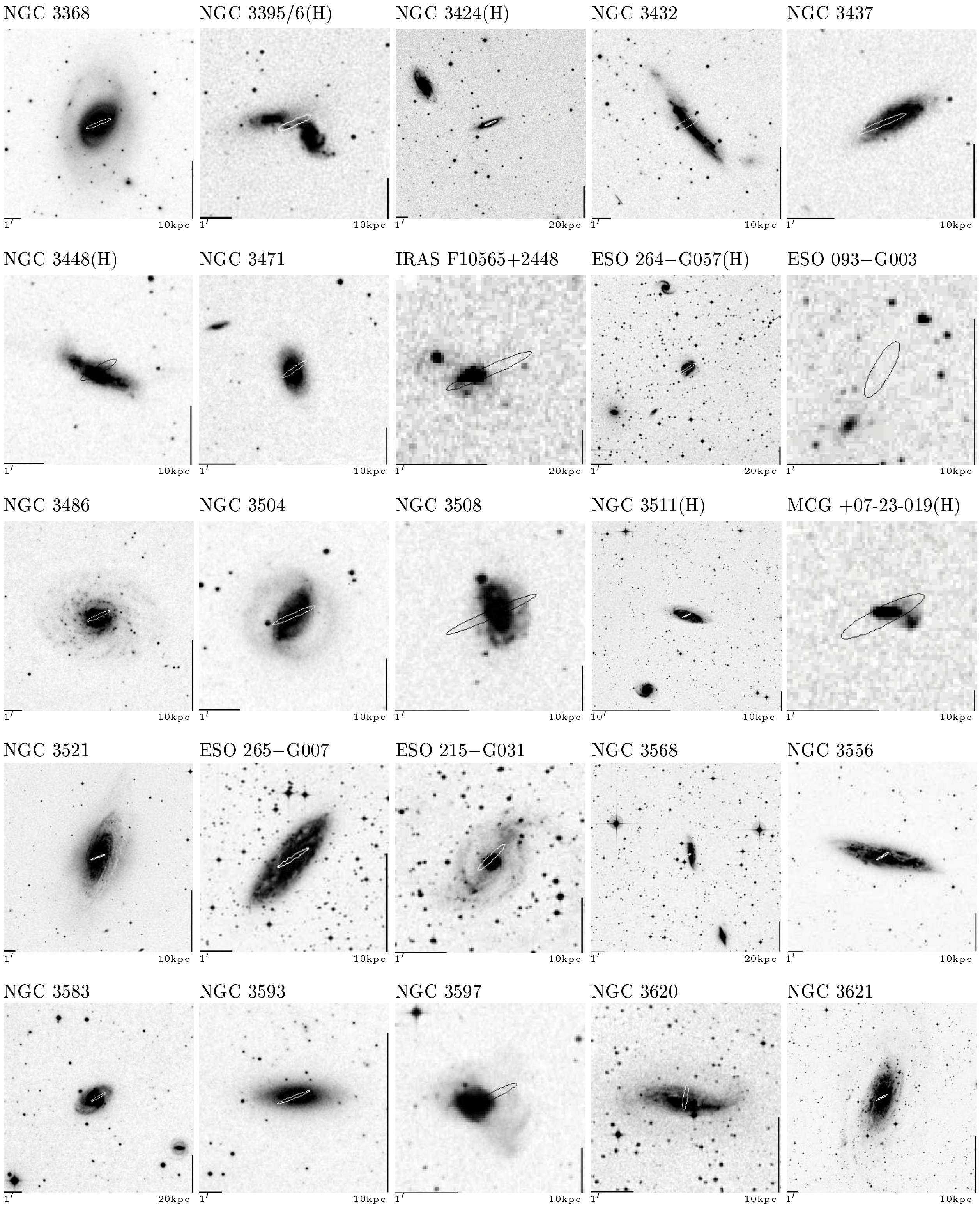
1′
10kpc

Fig. 1.— Continued (p. 11 of 26).



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1′
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NGC 3424(H)
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NGC 3432
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10kpc

NGC 3437
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10kpc

NGC 3448(H)
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NGC 3471
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IRAS F10565+2448
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ESO 093−G003
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NGC 3508
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NGC 3511(H)
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ESO 215−G031
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NGC 3556
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NGC 3583
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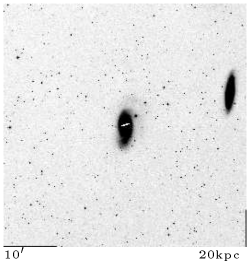
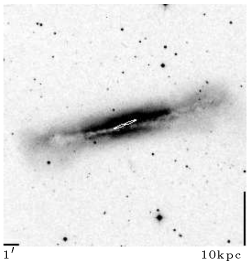
Fig. 1.— Continued (p. 12 of 26).

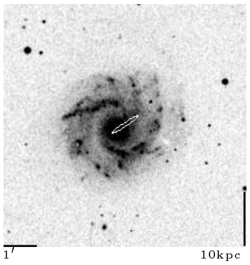
NGC 3627



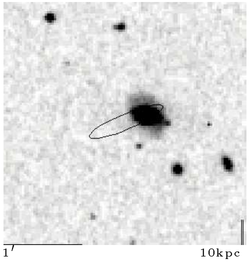
NGC 3628



NGC 3631



CGCG 011-076



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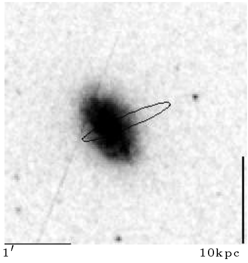
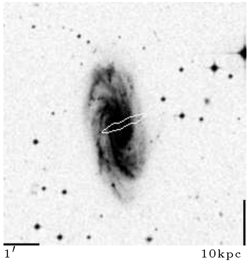
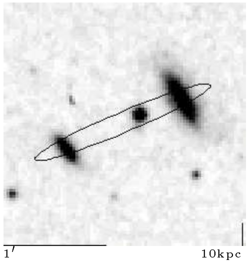


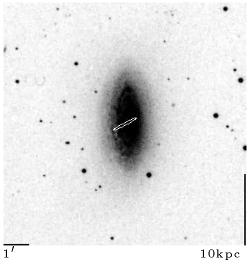
NGC 3672



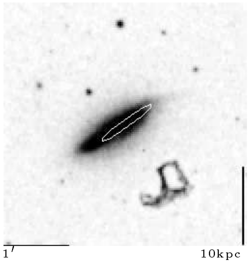
IC 2810(H)



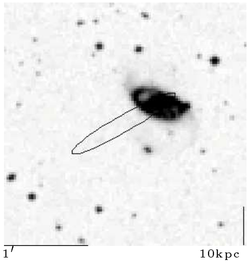
NGC 3675



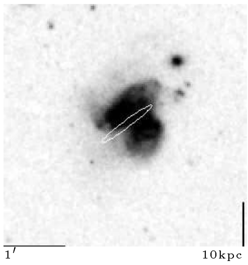
NGC 3683



ESO 319−G022



NGC 3690/IC 694(H)



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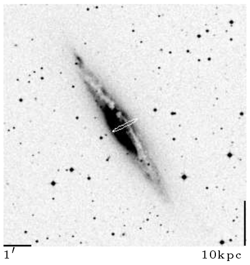

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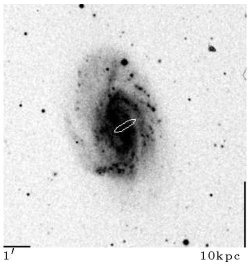

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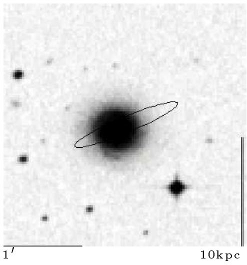
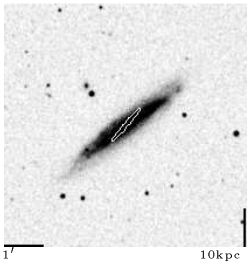
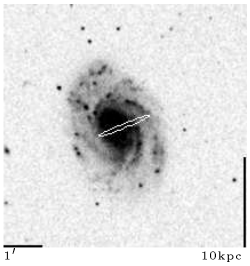


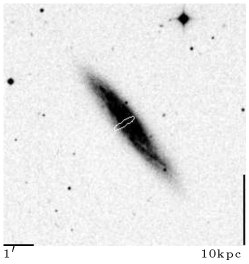
NGC 3735



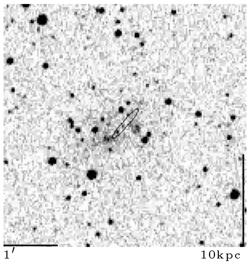
NGC 3810



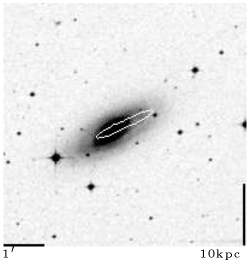
NGC 3877



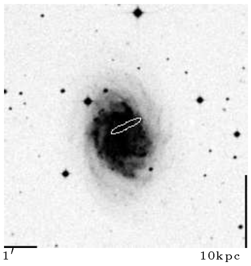
NGC 3882



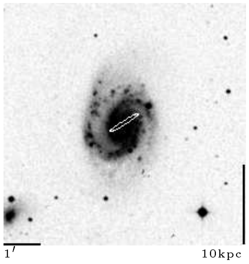
NGC 3885



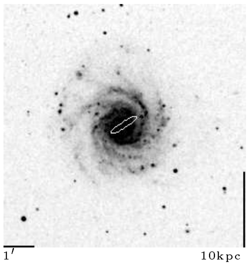
NGC 3887



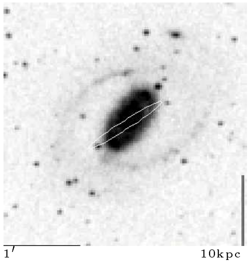
NGC 3893(H)



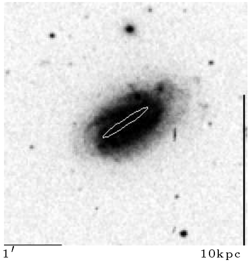
NGC 3938



ESO 320−G030



NGC 3949



NGC 3953

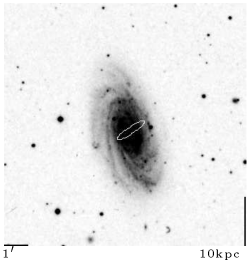
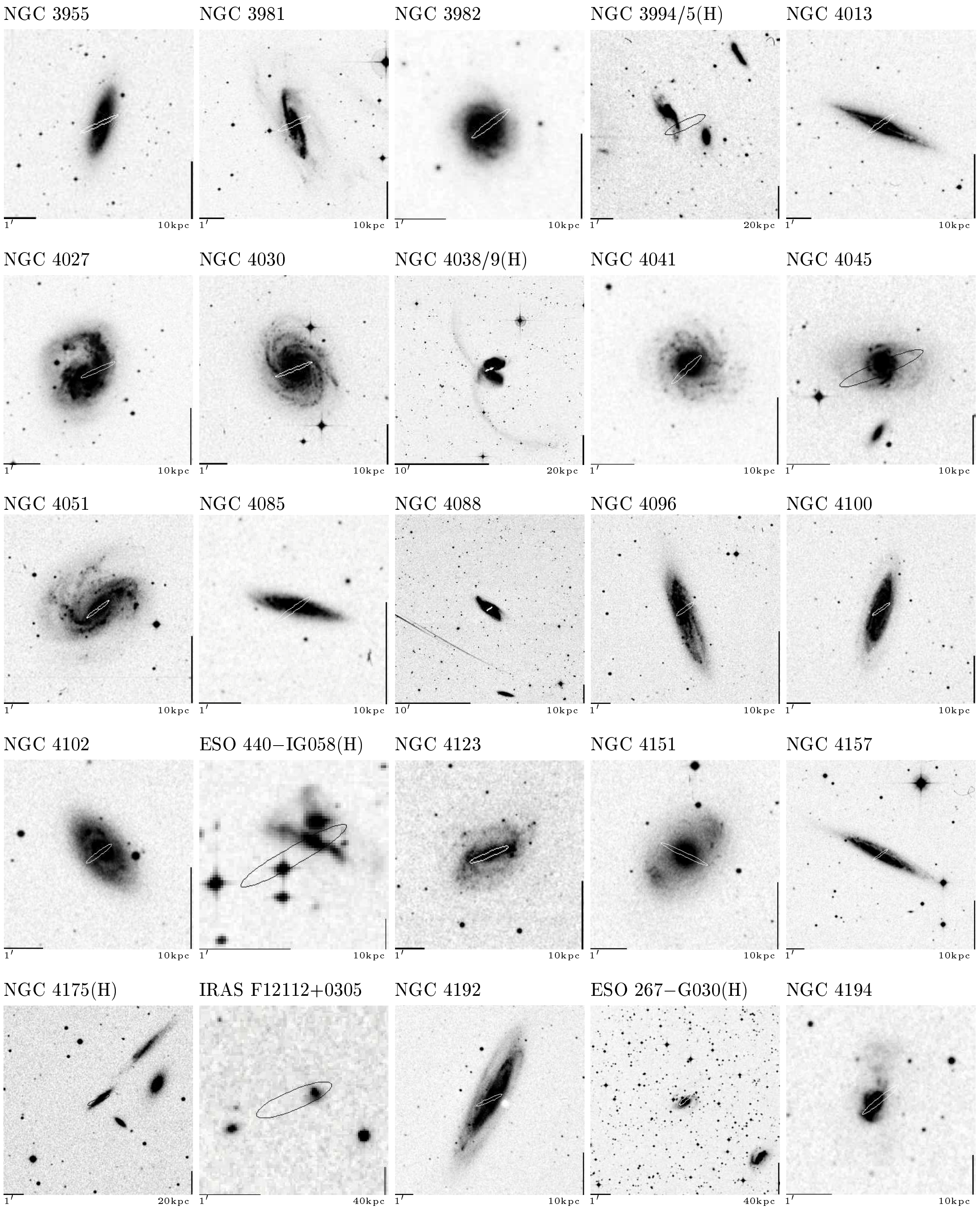


Fig. 1.— Continued (p. 13 of 26).



NGC 3955 NGC 3981 NGC 3982 NGC 3994/5(H) NGC 4013

NGC 4027 NGC 4030 NGC 4038/9(H) NGC 4041 NGC 4045

NGC 4051 NGC 4085 NGC 4088 NGC 4096 NGC 4100

NGC 4102 ESO 440−IG058(H) NGC 4123 NGC 4151 NGC 4157

NGC 4175(H) IRAS F12112+0305 NGC 4192 ESO 267−G030(H) NGC 4194

1′
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Fig. 1.— Continued (p. 14 of 26).

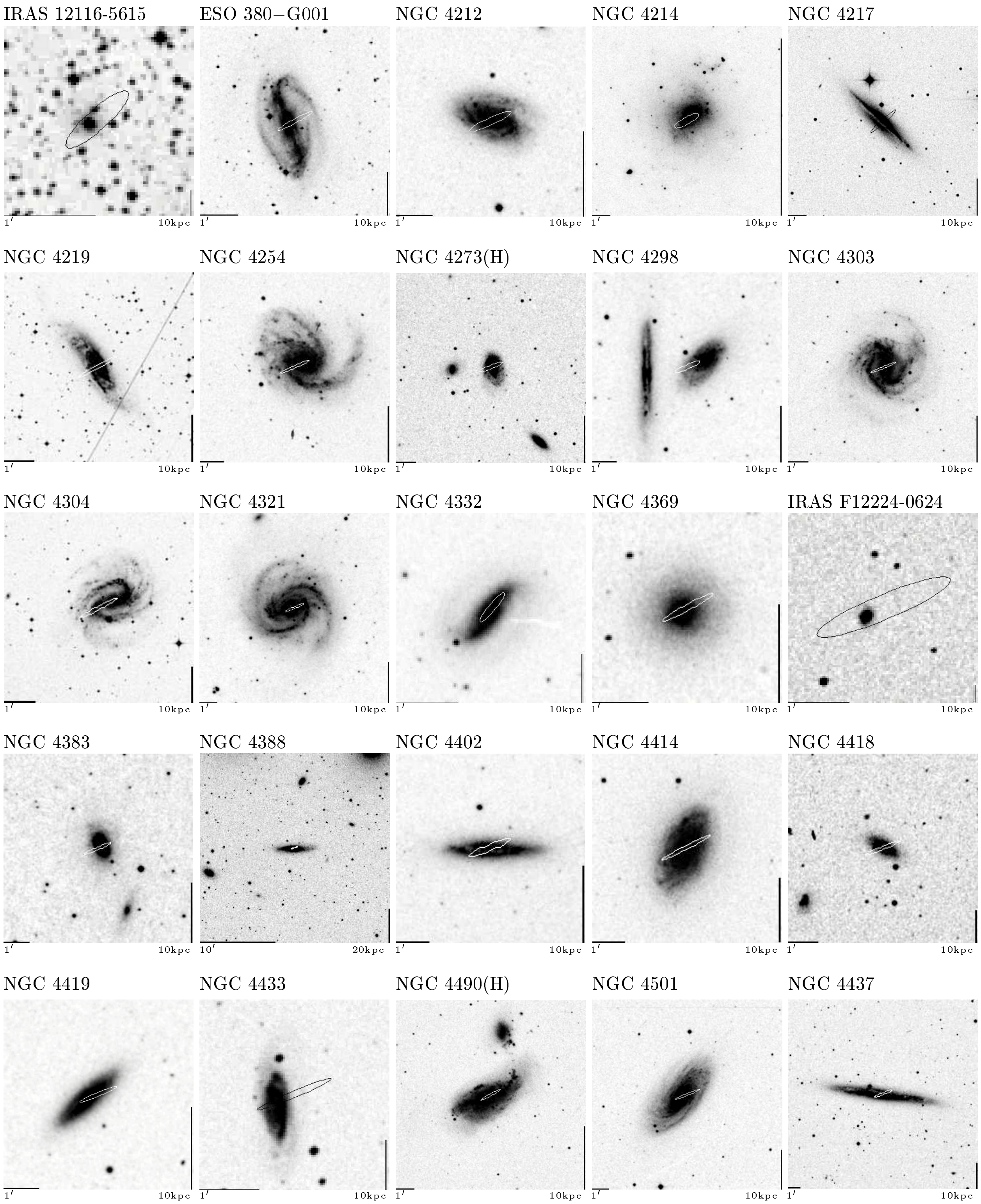
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Fig. 1.— Continued (p. 15 of 26).

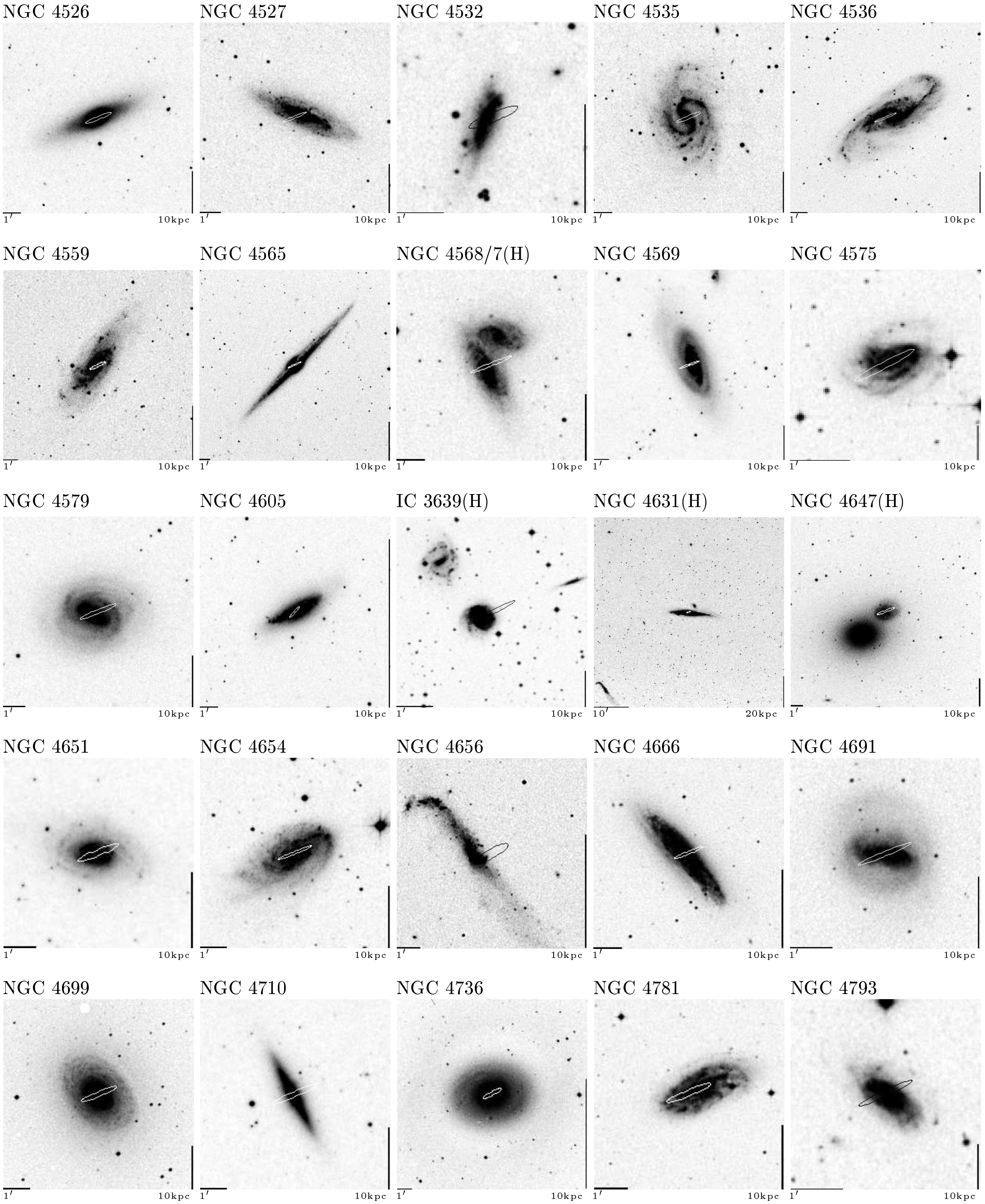
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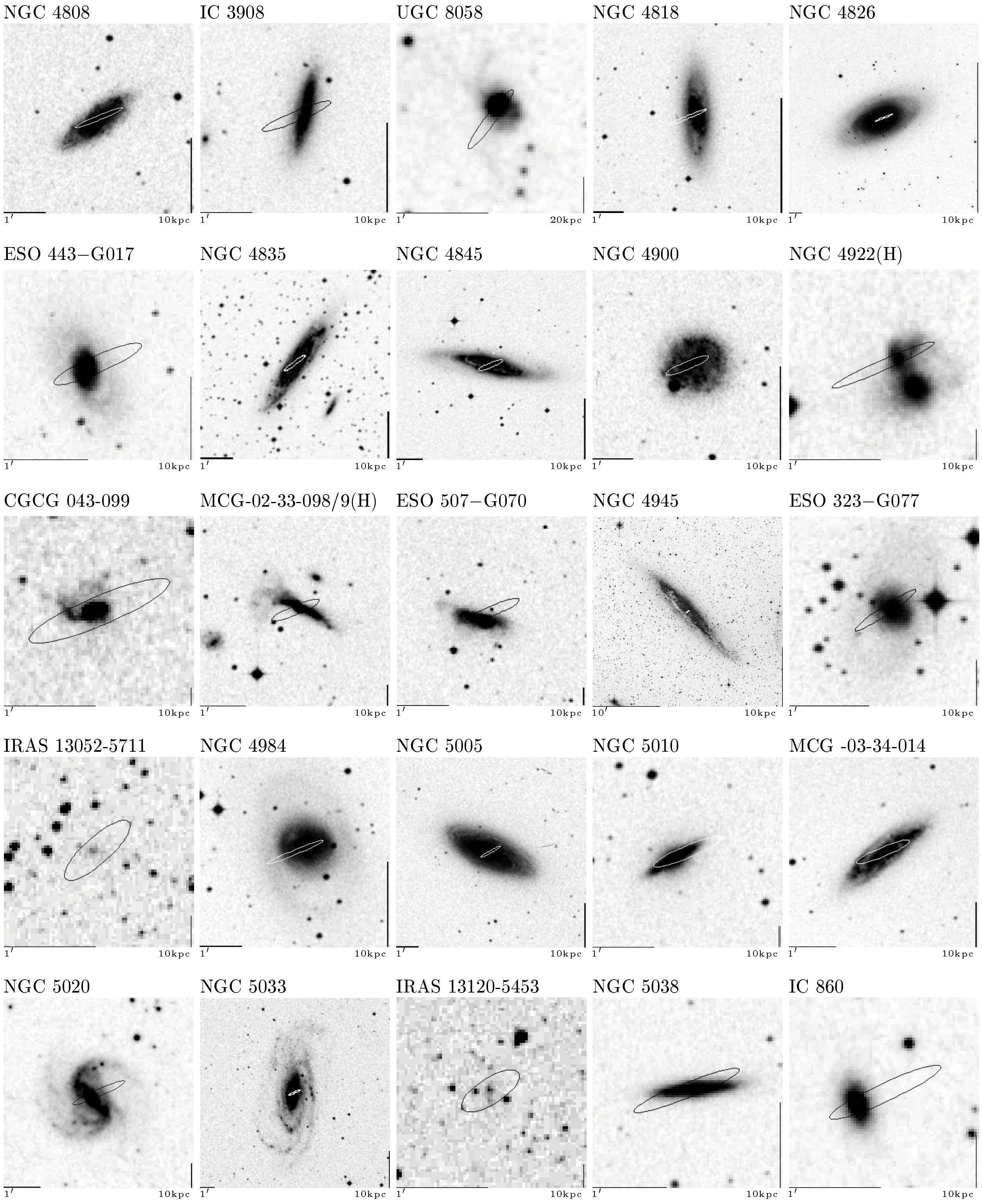
Fig. 1.— Continued (p. 16 of 26).



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MCG-02-33-098/9(H)
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ESO 323−G077
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Fig. 1.— Continued (p. 17 of 26).

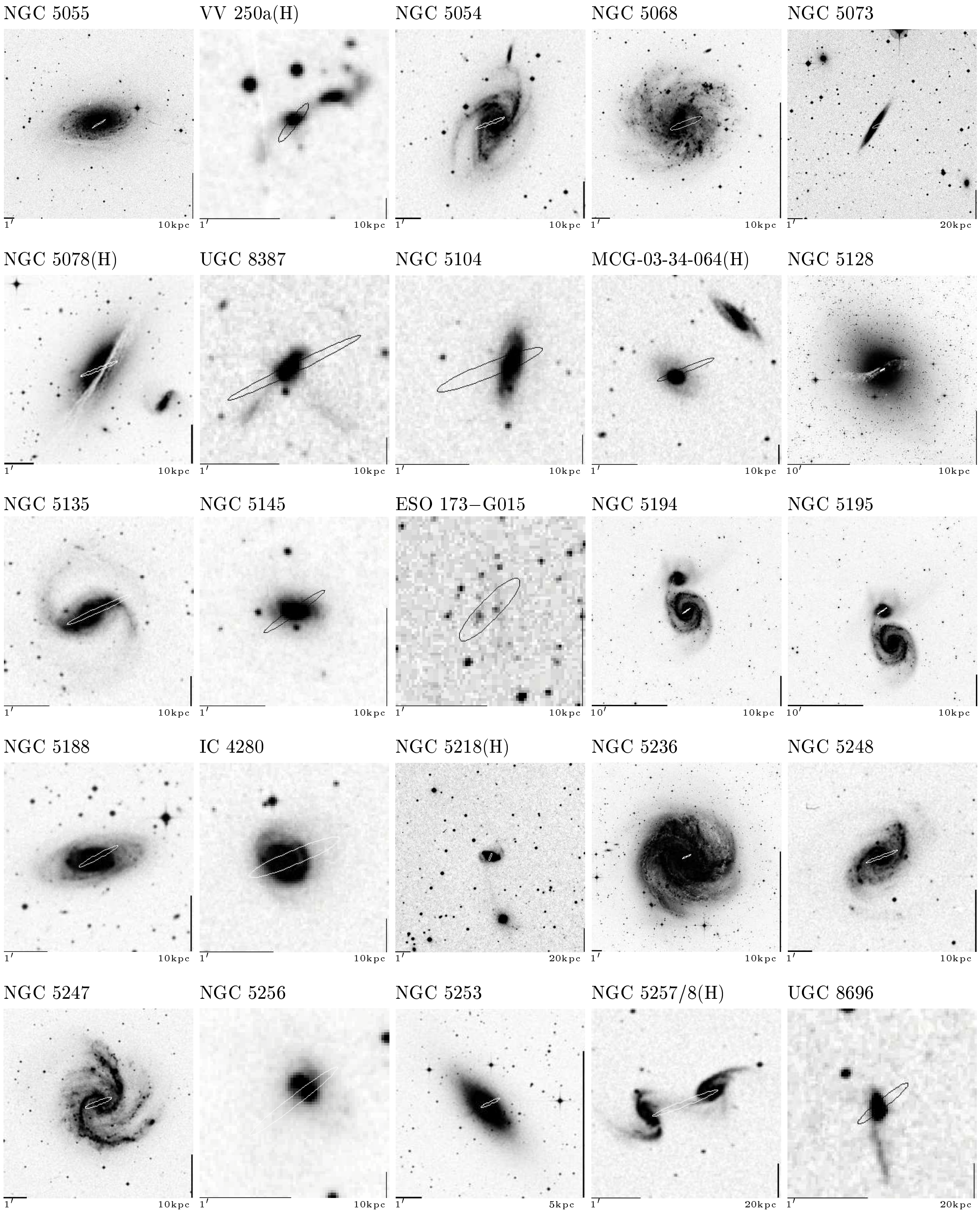
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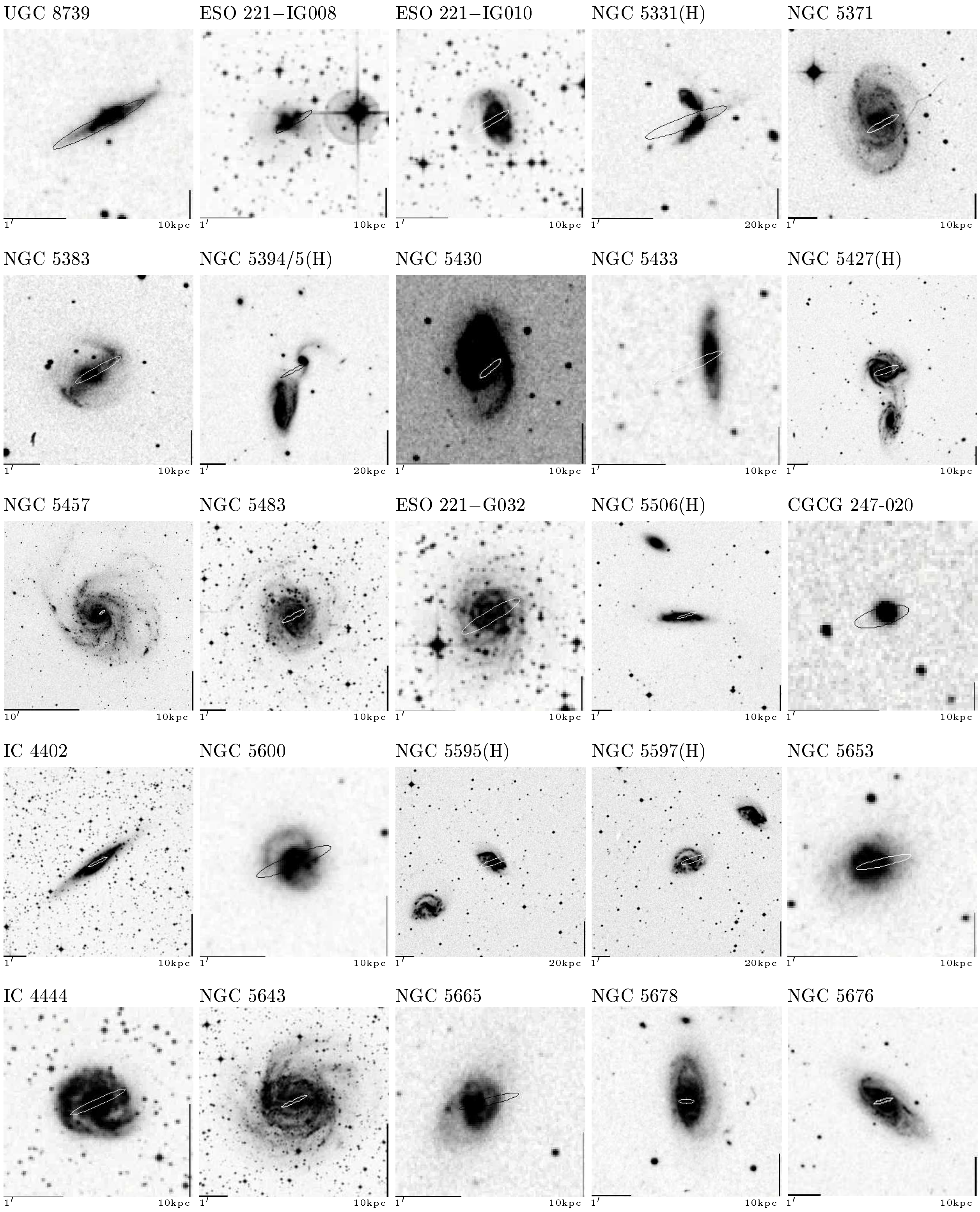
Fig. 1.— Continued (p. 18 of 26).



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NGC 5371
NGC 5383
NGC 5394/5(H)
NGC 5430
NGC 5433
NGC 5427(H)
NGC 5457
NGC 5483
ESO 221−G032
NGC 5506(H)
CGCG 247-020
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NGC 5597(H)
NGC 5653
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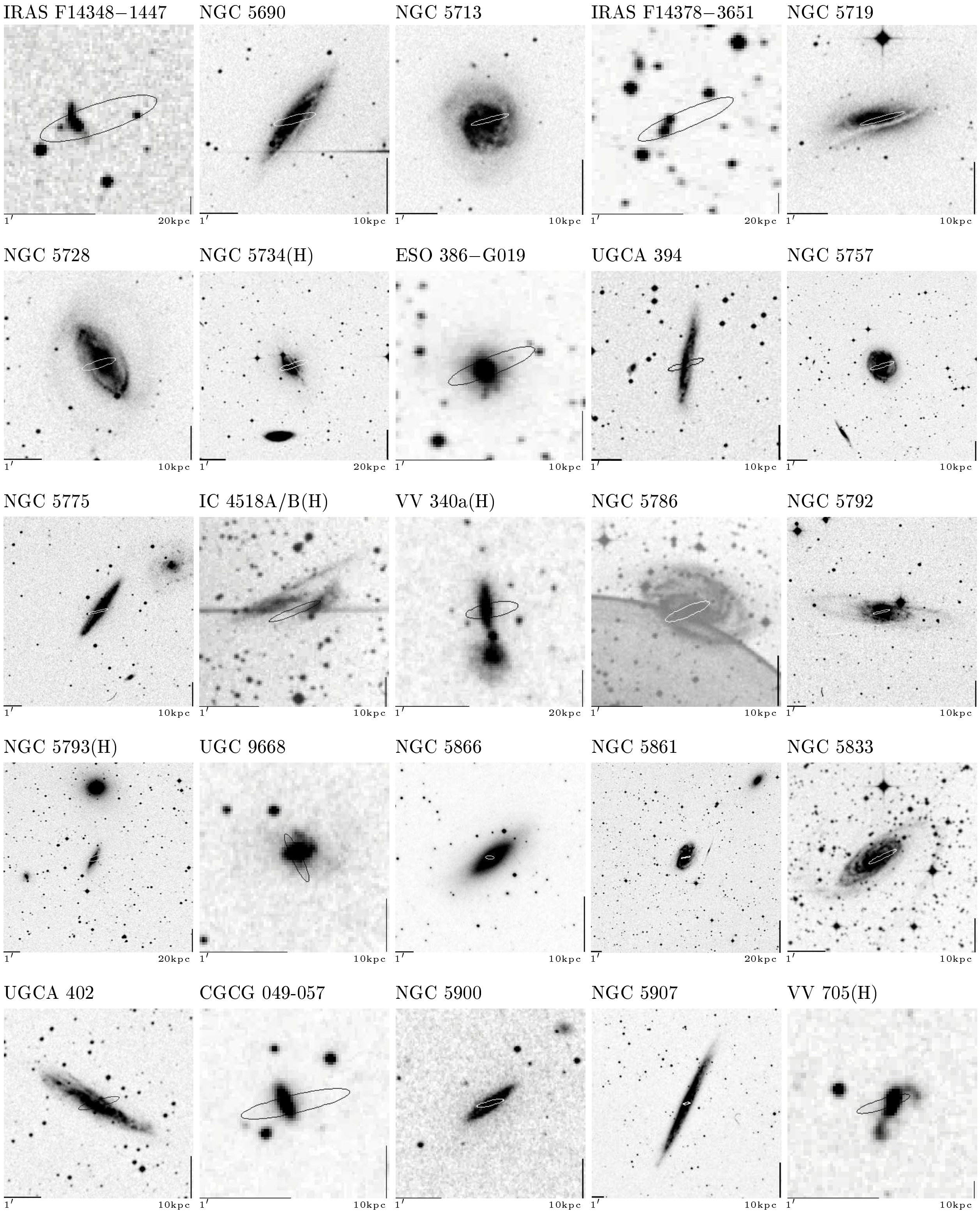
Fig. 1.— Continued (p. 19 of 26).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UGCA 394
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NGC 5757
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NGC 5775
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VV 340a(H)
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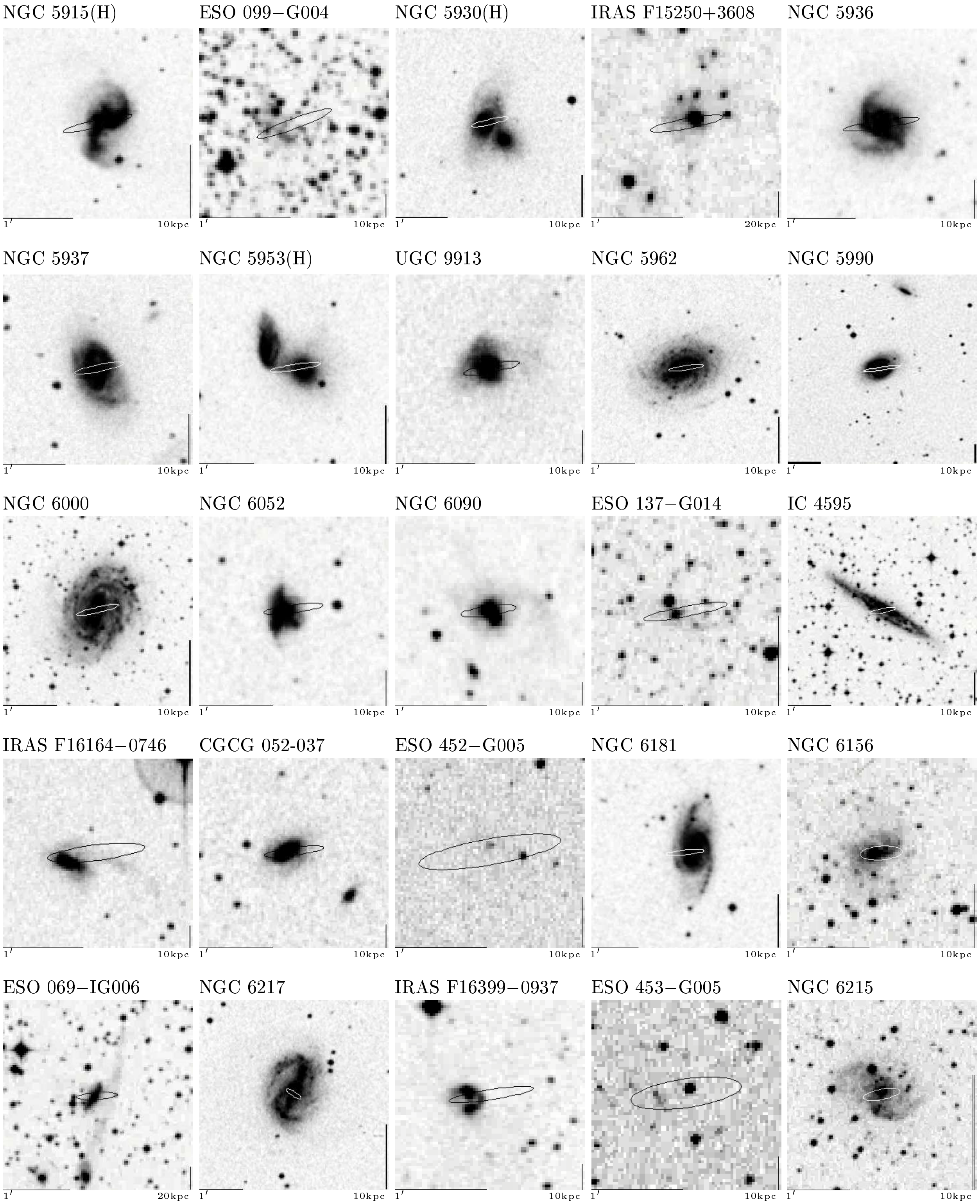
1′
10kpc
NGC 5793(H)
1′
20kpc
UGC 9668
1′
10kpc
NGC 5866
1′
10kpc
NGC 5861
1′
20kpc
NGC 5833
1′
10kpc
UGCA 402
1′
10kpc
CGCG 049-057
1′
10kpc
NGC 5900
1′
10kpc
NGC 5907
1′
10kpc
VV 705(H)
1′
10kpc

Fig. 1.— Continued (p. 20 of 26).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10kpc
NGC 5930(H)
1′
10kpc
IRAS F15250+3608
1′
20kpc
NGC 5936
1′
10kpc
NGC 5937
1′
10kpc
NGC 5953(H)
1′
10kpc
UGC 9913
1′
10kpc
NGC 5962
1′
10kpc
NGC 5990
1′
10kpc
NGC 6000
1′
10kpc
NGC 6052
1′
10kpc
NGC 6090
1′
10kpc
ESO 137−G014
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10kpc
IC 4595
1′
10kpc
IRAS F16164−0746
1′
10kpc
CGCG 052-037
1′
10kpc
ESO 452−G005
1′
10kpc
NGC 6181
1′
10kpc
NGC 6156
1′
10kpc
ESO 069−IG006
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20kpc
NGC 6217
1′
10kpc
IRAS F16399−0937
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10kpc
NGC 6215
1′
10kpc

Fig. 1.— Continued (p. 21 of 26).

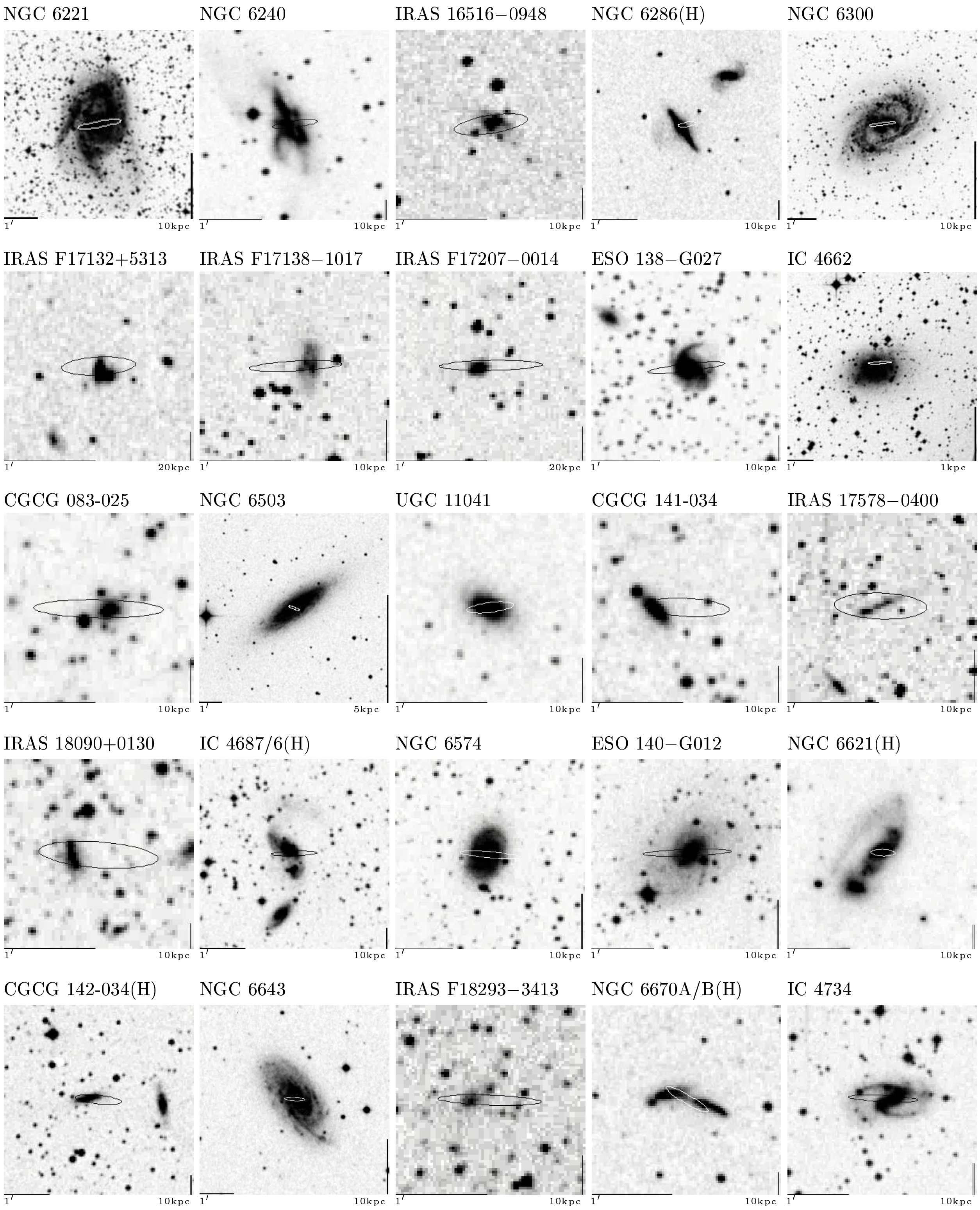
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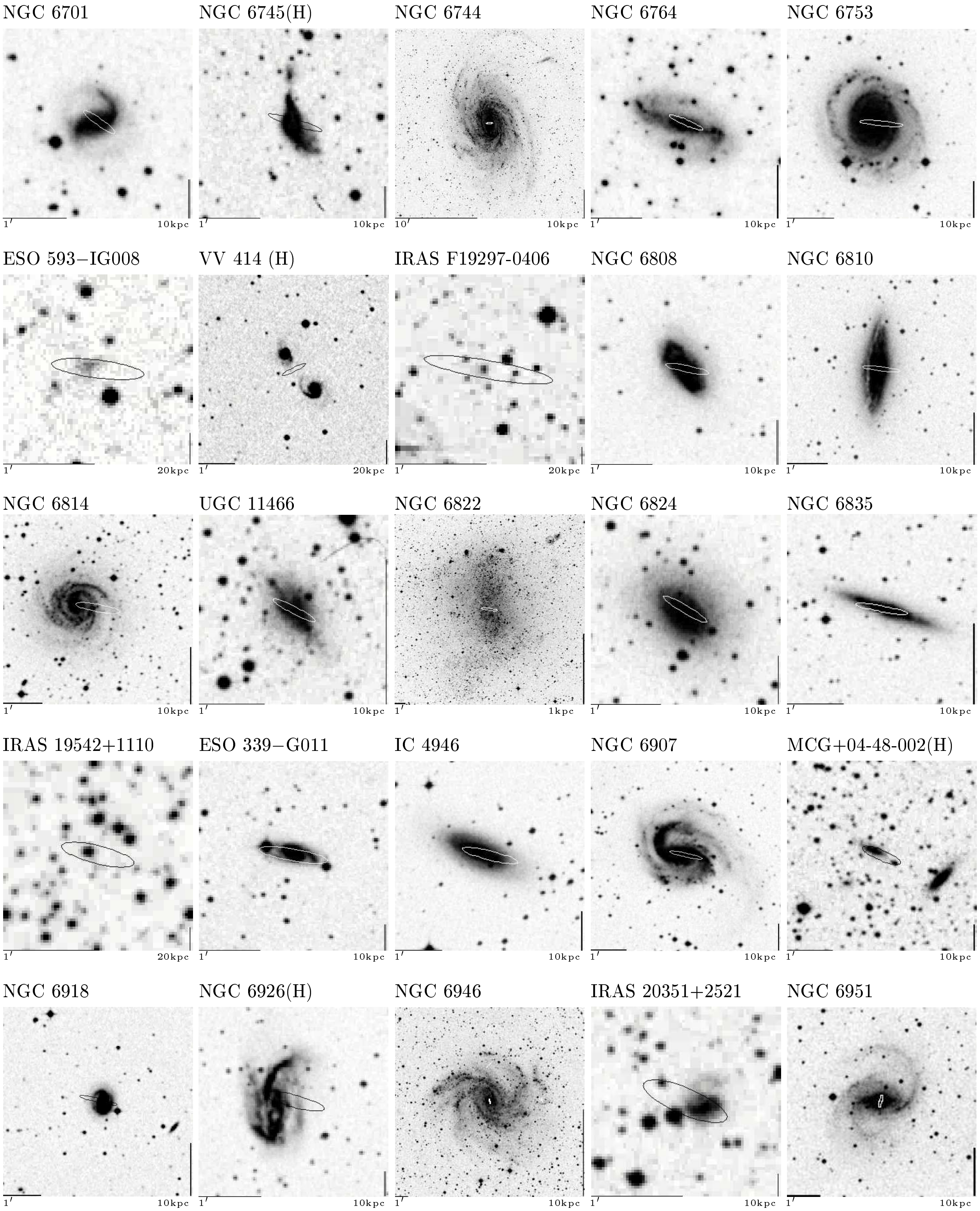
Fig. 1.— Continued (p. 22 of 26).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1′
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NGC 6745(H)
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NGC 6744
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10kpc
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ESO 593−IG008
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20kpc
VV 414 (H)
1′
20kpc
IRAS F19297-0406
1′
20kpc
NGC 6808
1′
10kpc
NGC 6810
1′
10kpc
NGC 6814
1′
10kpc
UGC 11466
1′
10kpc
NGC 6822
1′
1kpc
NGC 6824
1′
10kpc
NGC 6835
1′
10kpc
IRAS 19542+1110
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20kpc
ESO 339−G011
1′
10kpc
IC 4946
1′
10kpc
NGC 6907
1′
10kpc
MCG+04-48-002(H)
1′
10kpc
NGC 6918
1′
10kpc
NGC 6926(H)
1′
10kpc
NGC 6946
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IRAS 20351+2521
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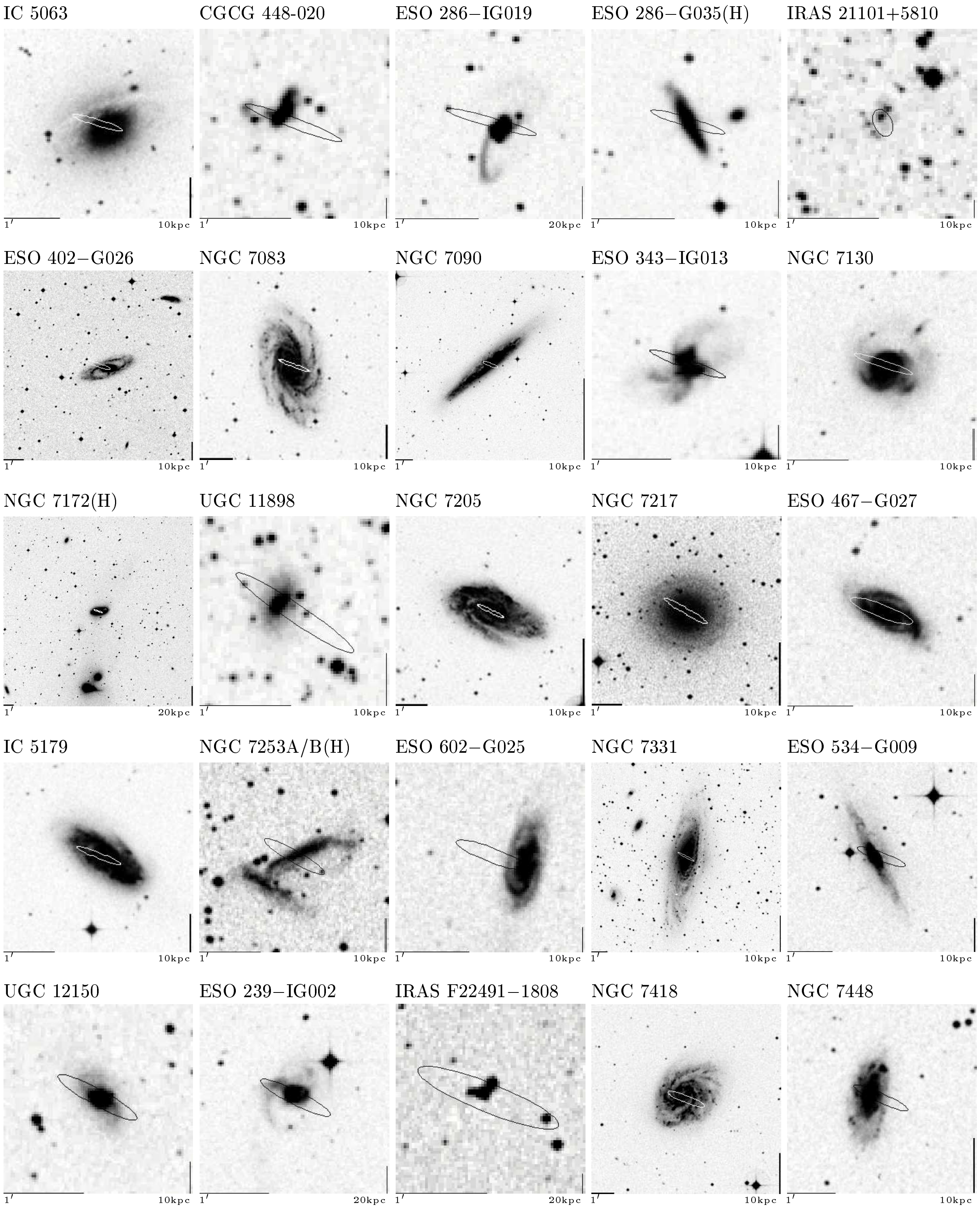
10kpc
NGC 6951
1′
10kpc

Fig. 1.— Continued (p. 23 of 26).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ESO 286−G035(H)
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ESO 343−IG013
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NGC 7130
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10kpc
NGC 7172(H)
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UGC 11898
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10kpc
NGC 7205
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10kpc
NGC 7217
1′
10kpc
ESO 467−G027
1′
10kpc
IC 5179
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10kpc
NGC 7253A/B(H)
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10kpc
ESO 602−G025
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10kpc
NGC 7331
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10kpc
ESO 534−G009
1′
10kpc
UGC 12150
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10kpc
ESO 239−IG002
1′
20kpc
IRAS F22491−1808
1′
20kpc
NGC 7418
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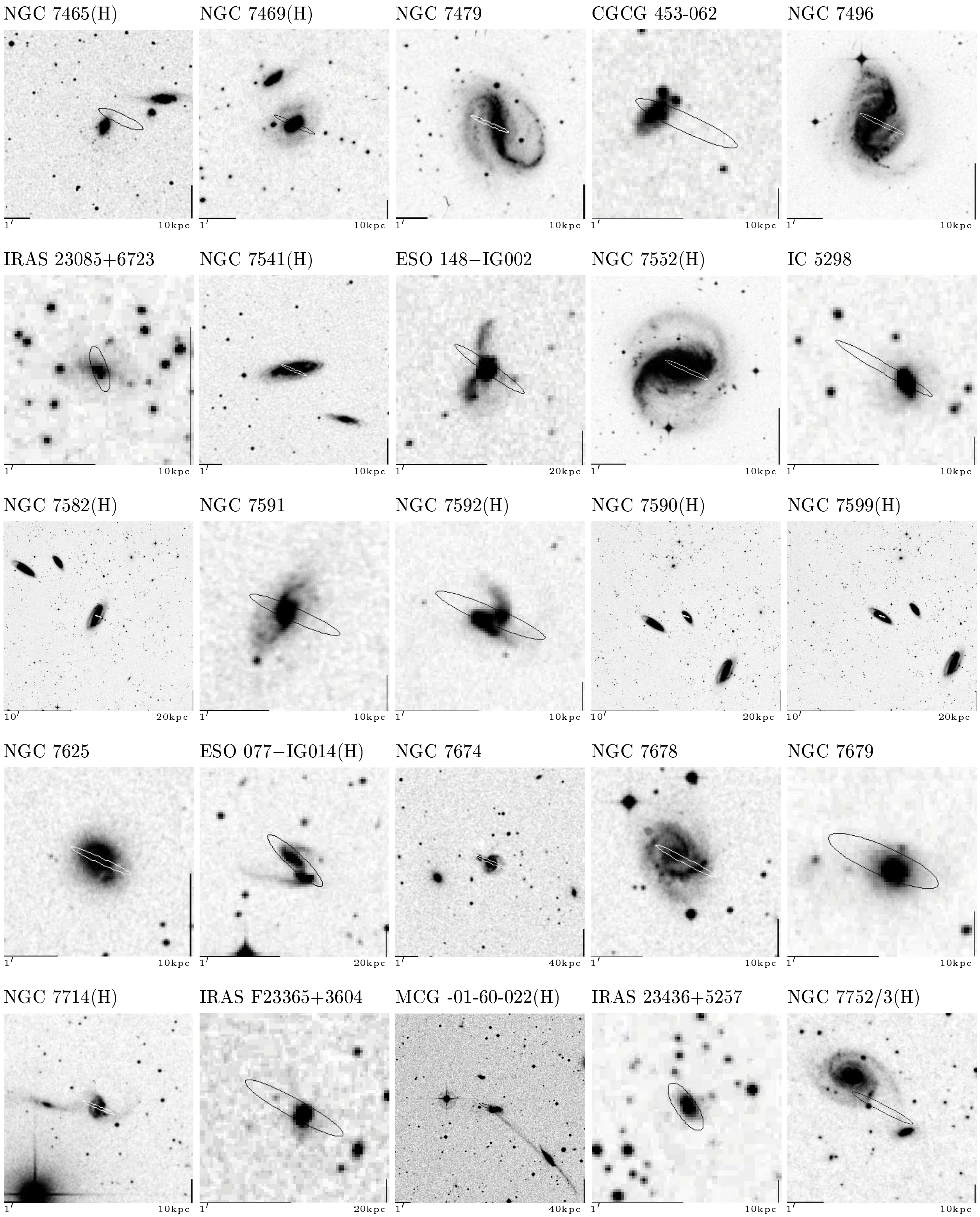
10kpc
NGC 7448
1′
10kpc

Fig. 1.— Continued (p. 24 of 26).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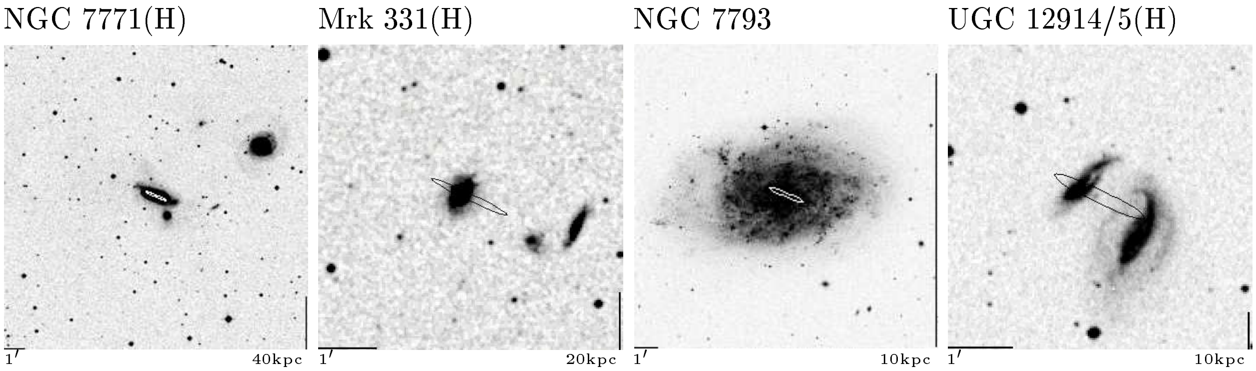
10kpc
NGC 7469(H)
1′
10kpc
NGC 7479
1′
10kpc
CGCG 453-062
1′
10kpc
NGC 7496
1′
10kpc
IRAS 23085+6723
1′
10kpc
NGC 7541(H)
1′
10kpc
ESO 148−IG002
1′
20kpc
NGC 7552(H)
1′
10kpc
IC 5298
1′
10kpc
NGC 7582(H)
10′
20kpc
NGC 7591
1′
10kpc
NGC 7592(H)
1′
10kpc
NGC 7590(H)
10′
20kpc
NGC 7599(H)
10′
20kpc
NGC 7625
1′
10kpc
ESO 077−IG014(H)
1′
20kpc
NGC 7674
1′
40kpc
NGC 7678
1′
10kpc
NGC 7679
1′
10kpc
NGC 7714(H)
1′
10kpc
IRAS F23365+3604
1′
20kpc
MCG -01-60-022(H)
1′
40kpc
IRAS 23436+5257
1′
10kpc
NGC 7752/3(H)
1′
10kpc

Fig. 1.— Continued (p. 25 of 26).


NGC 7771(H)

Mrk 331(H)

NGC 7793

UGC 12914/5(H)

1′
40kpc
1′
20kpc
1′
10kpc
1′
10kpc

Fig. 1.— Continued (p. 26 of 26).

3.2. Revisions from the Original BGS_1 and BGS_2

Table 2 is a list of objects from the BGS_1+BGS_2 that have been omitted from the RBGS because their revised 60 μm flux density is less than or equal to 5.24 Jy. The table caption explains why some of these objects were listed with $S_\nu(60\mu m) \le 5.24$ Jy in BGS_1.

Table 3 is a list of objects from the BGS_1+BGS_2 which have revised cross-identifications in various catalogs. These corrected, revised cross-identifications were determined by visualizing the *IRAS* uncertainty ellipses superimposed on the DSS images (Figure 1), and by using current information available in NED.

Table 4 is a summary of the 39 objects which are new members of the RBGS. These objects were missed during compilation of the BGS_1+BGS_2 for a variety of reasons. Their presence in the RBGS is the result of comprehensive searches utilizing NED in conjunction with queries of the *IRAS* catalogs, followed by examination of the *IRAS* scan data using SCANPI.

TABLE 2

$BGS_1 + BGS_2$ OBJECTS OMITTED DUE TO REVISED $S_\nu(60\mu m) \le 5.24$ JY

Name	Revised $S_\nu(60\mu m)$ Jy	Status
NGC 0578	4.64 ± 0.04	BGS_1 had $S_\nu(60\mu m) = 4.64$ Jy[a]
NGC 1012	5.19 ± 0.04	BGS_2 had $S_\nu(60\mu m) = 5.37$ Jy
NGC 1141/2	5.06 ± 0.02	BGS_1 had $S_\nu(60\mu m) = 5.06$ Jy[a]
UGC 2789	5.23 ± 0.03	BGS_2 had $S_\nu(60\mu m) = 5.24$ Jy
ESO 484-G036	5.10 ± 0.04	BGS_1 had $S_\nu(60\mu m) = 5.44$ Jy; named IR 0433-25 in BGS_1
VII Zw 019	5.05 ± 0.03	BGS_2 had $S_\nu(60\mu m) = 5.35$ Jy
IRAS F00555+7614	5.14 ± 0.05	BGS_2 had $S_\nu(60\mu m) = 5.32$ Jy; named IR 00555+7614 in BGS_2
IRAS F06035-7102	5.18 ± 0.03	BGS_2 had $S_\nu(60\mu m) = 5.34$ Jy; named IR 06035-7102 in BGS_2
NGC 2820	4.34 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 4.23$ Jy[a]
NGC 2990	5.20 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 5.49$ Jy
NGC 3353	5.17 ± 0.05	BGS_1 had $S_\nu(60\mu m) = 5.54$ Jy
ESO 174-G005	5.23 ± 0.13	BGS_2 had $S_\nu(60\mu m) = 5.29$ Jy
NGC 4395	4.69 ± 0.06	BGS_1 had $S_\nu(60\mu m) = 4.21$ Jy[a]
NGC 4438	3.87 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 3.86$ Jy[a]
NGC 4594	4.28 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 3.98$ Jy[a]
NGC 4618	5.13 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 4.92$ Jy[a]
MCG +08-23-097	4.91 ± 0.04	BGS_1 had $S_\nu(60\mu m) = 4.79$ Jy[a]
ESO 383-G027	5.16 ± 0.05	BGS_2 had $S_\nu(60\mu m) = 5.31$ Jy
UGC 09668	5.24 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 5.70$ Jy
IRAS F15335-0513	5.16 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 5.25$ Jy; named IR 1533-05 in BGS_1
IRAS 18587-1653	5.20 ± 0.12	BGS_2 had $S_\nu(60\mu m) = 5.51$ Jy
AM 1925-724	5.16 ± 0.03	BGS_2 had $S_\nu(60\mu m) = 5.30$ Jy
IRAS 19279+3534	5.22 ± 0.09	BGS_2 had $S_\nu(60\mu m) = 5.43$ Jy
IRAS 20100-4156	5.19 ± 0.04	BGS_2 had $S_\nu(60\mu m) = 5.44$ Jy
IC 4946	5.24 ± 0.03	BGS_2 had $S_\nu(60\mu m) = 5.31$ Jy; named A2020-44 in BGS_2
NGC 6015	4.40 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 4.42$ Jy[a]
NGC 6070	5.10 ± 0.03	BGS_1 had $S_\nu(60\mu m) = 5.07$ Jy[a]
NGC 7673	4.98 ± 0.05	BGS_1 had $S_\nu(60\mu m) = 4.98$ Jy[a]

[a] These objects were listed in Table 1(b) of BGS_1 (Soifer et al. 1989) as having $S_\nu(60\mu m) < 5.24$ Jy. However, they were also included in the main BGS_1 catalog listing [Table 1(a)], because of their presence in an earlier compilation (Soifer et al. 1987). Since some readers may have been confused regarding the status of these objects, these sources are listed here again and omitted in Table 1 of this work to clarify their status.

TABLE 3
CATALOG CROSS-IDENTIFICATION CHANGES

Name	Status
MCG -02-01-051/2 (Arp 256)	IRAS emission identified with MCG -02-01-051 in BGS$_1$[a]
SMC	Named A0051-73 in BGS$_2$ (not recognized by NED)
NGC 0317B	IRAS emission identified with pair NGC 317A/B in BGS$_2$[b]
CGCG 436-030	Named MCG +02-04-035 in BGS$_1$ (same object)
NGC 0716	Named UGC 1351 in BGS$_1$ (same object)
ESO 297-G011/12	IRAS emission identified with largest galaxy in the pair (NGC 633 = ESO 297-G011) in BGS$_2$[c]
IC 0214	Named UGC 1720 in BGS$_1$ (same object)
IRAS F03217+4023	Named IRAS 03217+4022 in BGS$_2$ (same object)
CGCG 465-012	Named Zw 465.012 in BGS$_2$ (same object)
ESO 550-IG02	Named MCG -03-12-002 in BGS$_1$ (same object)
ESO 485-G003	Named MCG -04-12-003 in BGS$_1$ (same object)
ESO 491-G020/021	Named ESO 491-G020 in BGS$_2$ (same object)
CGCG 011-076	Named MCG +00-29-023 in BGS$_2$ (same object)
NGC 4175	Mistakenly named NGC 4174 (12h12m26.9s, +29d08m58s J2000) in BGS$_1$
NGC 2798	IRAS emission identified with NGC 2799 (SE companion) in BGS$_1$
MCG +08-18-013	IRAS emission identified with MCG +08-18-012 (SW companion) in BGS$_1$
IC 2810	Named UGC 6436 in BGS$_1$ (same object)
NGC 3994/5	IRAS emission identified with NGC 3994 in BGS$_1$[d]
NGC 4568/7	IRAS emission identified with NGC 4568 (SE component of pair) in BGS$_1$
NGC 4793	Mistakenly named NGC 4783 (12h54m36.6s, -12d33m28s J2000) in BGS$_1$
CGCG 043-099	Named MCG +01-33-036 in BGS$_1$ (same object)
MCG -02-33-098/9	Named MCG -02-33-098 in BGS$_2$; IRAS emission dominated by MCG -02-33-098
MCG -03-34-014	Named A1309-17 in BGS$_2$ (not recognized by NED)
VV 250a	IRAS emission identified with UGC 8335 = VV 250 in BGS$_1$[e]
MCG -03-34-064	IRAS emission identified with MCG -03-34-063 in BGS$_2$
NGC 5257/8	IRAS emission identified with NGC 5257 in BGS$_1$[f]
CGCG 247-020	Named Zw 247.020 in BGS$_1$ (same object)
NGC 5665	Mistakenly named NGC 5663 (14h33m56.3s, -16d34m52s J2000) in BGS$_1$
VV 340a	IRAS emission identified with UGC 9618 = VV 340 in BGS$_1$[g]
CGCG 049-057	Named Zw 049.057 in BGS$_1$ (same object)
VV 705	Named I Zw 107 in BGS$_1$ (same object)
NGC 5930	IRAS emission identified with NGC 5929 in BGS$_1$[h]
CGCG 052-037	Mistakenly named MCG +01-42-088 in BGS$_1$ (no such object in NED)
NGC 6286	IRAS emission identified with NGC 6285/6 in BGS$_1$
CGCG 083-025	Named Zw 083.025 in BGS$_2$ (same object)
CGCG 141-034	Named Zw 141.034 in BGS$_2$ (same object)
NGC 6621	IRAS emission identified with NGC 6621/22 in BGS$_2$
CGCG 142-034	Named Zw 142.034 in BGS$_2$ (same object)
IC 4946	Named A2020-44 in BGS$_2$ ((not recognized by NED)
CGCG 448-020	Named Zw 448.020 in BGS$_2$ (same object)
ESO 602-G025	Named MCG -03-57-017 in BGS$_1$ (same object)
CGCG 453-062	Named Zw 453.062 in BGS$_1$ (same object)
IC 5298	Named Zw 475.056 in BGS$_1$ (same object)

[a] IRAS centroid is on the SE component of the pair, but both galaxies are within the IRAS beam (Fig. 1); see also Surace, Sanders & Mazzarella 2003.

[b] IRAS centroid is clearly on the SE component of NGC 317; see Fig. 1.

[c] IRAS centroid is clearly between the NW (NGC 633 = ESO 297-G011) and SE (ESO 297-G012) pair components; see Fig. 1.

[d] IRAS centroid is clearly between SW (NGC 3994) and NE (NGC 3995) pair components; see Fig. 1.

[e] IRAS centroid is clearly dominated by VV 250a = MCG +10-19-057; see Fig. 1.

[f] IRAS centroid is clearly between NGC 5257/8; see Figure 1.

[g] IRAS centroid is clearly dominated by VV 340a = MCG +04-35-019; see Fig. 1.

[h] NGC 5929 is the SW companion of the dominant IRAS source NGC 5930; see Fig. 1.

TABLE 4
ADDITIONS TO THE RBGS

Name	Revised $S_\nu(60\mu m)$ Jy	Status
NGC 0289	5.47	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 0300	15.30	Large optical galaxy (Rice et al. 1993)[a]
NGC 0925	7.82	Large optical galaxy (Rice et al. 1988)[a]
IC 0356	6.77	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 1532	9.63	Found in IRAS PSC/FSC and confirmed with SCANPI
CGCG 468-002	9.66	Orion region with high Galactic foreground confusion (see Fig. 5)
NGC 1819	6.85	Orion region with high Galactic foreground confusion (see Fig. 5)
IRAS F05170+0535	14.4	Orion region with high Galactic foreground confusion (see Fig. 5)
IRAS F05405+0035	7.03	Orion region with high Galactic foreground confusion (see Fig. 5)
UGCA 116	6.57	Orion region with high Galactic foreground confusion (see Fig. 5)
IRAS F06076-2139	6.43	Orion region with high Galactic foreground confusion (see Fig. 5)
IC 2163	17.55	Orion region with high Galactic foreground confusion (see Fig. 5)
UGCA 127	17.61	Orion region with high Galactic foreground confusion (see Fig. 5)
UGCA 128	5.38	Orion region with high Galactic foreground confusion (see Fig. 5)
NGC 2221	6.41	Found in IRAS PSC/FSC and confirmed with SCANPI
ESO 557-G002	7.42	Orion region with high Galactic foreground confusion (see Fig. 5)
AM 0702-601	6.70	Found in IRAS PSC/FSC and confirmed with SCANPI
UGCA 150	6.03	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 2992	7.51	Each component of NGC 2992/3 has $S_\nu(60\mu m) > 5.24$ Jy
IC 2522	6.47	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 3125	5.33	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 3732	5.36	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 4151	6.46	Found in IRAS FSC Rejects (IRAS Z12080+3940) and confirmed with SCANPI
NGC 4217	11.60	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 4437	7.87	Large optical galaxy (Rice et al. 1988)[a]
NGC 5010	10.29	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 5068	12.50	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 5331	5.86	In Soifer et al. (1987) sample but dropped in BGS_1
NGC 5483	6.30	Found in IRAS PSC/FSC and confirmed with SCANPI
UGCA 394	5.83	Found in IRAS PSC/FSC and confirmed with SCANPI
IRAS 16399-0937	8.42	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 6744	18.92	Large optical galaxy (Rice et al. 1988)[a]
NGC 6786/UGC 11415	7.58	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 6822	47.63	Large optical galaxy (Rice et al. 1988)[a]
IRAS 19542+1110	6.18	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 7331	45.00	Large optical galaxy (Rice et al. 1988)[a]
NGC 7418	6.67	Found in IRAS PSC/FSC and confirmed with SCANPI
MCG -01-60-022	5.39	Found in IRAS PSC/FSC and confirmed with SCANPI
NGC 7752/3	5.79	Found in IRAS PSC/FSC and confirmed with SCANPI

[a] SCANPI $S_\nu(60\mu m)$ profile zero-crossing size is comparable to optical size of the galaxy, and SCANPI $S_\nu(12\mu m)$ and $S_\nu(25\mu m)$ values are larger than or comparable to those of Rice et al. (1988) and Rice (1993), so SCANPI zero-crossing values are adopted in RBGS for this object.

4. Discussion

The main purpose for compiling the RBGS was to produce a more accurate and complete list of *IRAS* bright galaxies, one that both incorporates the improved final calibration of the *IRAS* Level 1 Archive and one that makes use of the best available SCANPI tools to more accurately compute total *IRAS* flux densities in all four *IRAS* wavebands. Just as important was the desire to provide a more accurate assessment of the various sources of uncertainty (e.g. source confusion, cirrus contamination, etc.) in the final list of tabulated flux densities. This was not always clear in the earlier published versions of the BGS$_1$+BGS$_2$. The reader can use the flags in the RBGS tables to decide when it may be desirable to use the SCANPI tool available through the Infrared Science Archive (IRSA) at IPAC [11] for a direct visual inspection of the scan profiles. Also, rather than leave it to the reader to compute infrared luminosities for each source, we have attempted to compile the most recent and accurate redshifts from the literature. We then list the adopted source distances which have been used to compute total far-infrared (using *IRAS* bands 3 and 4) and infrared (all 4 *IRAS* bands) luminosities according to standardized prescriptions that are now widely adopted in the literature (e.g., Sanders & Mirabel 1996).

We begin the discussion of the RBGS data by first providing a detailed comparison of how the "new" *IRAS* flux densities compare with the "old" previously published values. This is followed by a discussion of the survey sky coverage and distribution of sources on the sky, plus a discussion of the completeness of the survey in all four *IRAS* bands. Various properties of the RBGS are then discussed, ending with the presentation of the new infrared luminosity function for *IRAS* bright galaxies selected at 60 ¯m.

4.1. Comparison Between Revised and Previous Flux Density Measurements

Figure 2 shows the ratio of the new RBGS total flux density measurements to the previously published BGS$_1$+BGS$_2$ measurements versus the new total flux density measurements in each *IRAS* band. In general the largest differences occur at the low end of the range of measured flux densities in all four *IRAS* bands, with the 12 ¯m and 25 ¯m bands showing the most dramatic changes, up to a factor of Σ2 in the few most extreme cases. Much of these differences can be accounted for simply by more mature data processing, which had the greatest effect near the survey lower limits in each of the *IRAS* bands. At 60 ¯m and 100 ¯m, where the measured fluxes were often substantially above the *IRAS* FSC survey limits, the maximum change is typically a more modest factor of Σ30%. At flux densities more than a factor of 2 above the *IRAS* FSC limits the "new" and "old" values differ by typically ¡15%. There is a noticeable tendency for the revised flux density measurements to be systematically higher, on average ¸5%, among objects brighter than about 35 Jy at 60 ¯m, and across the entire range of observed flux densities at 100 ¯m. This is due to a better understanding of the fact that for many of the extended sources with high signal-to-noise ratios, some of the flux extends beyond the previously adopted f$_\nu$(t) aperture size, and is better measured by using f$_\nu$(z). In addition, the original processing used for BGS$_1$+BGS$_2$ based the choice of whether to use f$_\nu$(t) instead of f$_\nu$(template) only on the coadded scan profile widths (a comparison of FWHM and the width at 25% peak to nominal values observed for pure point sources). However, many galaxies have profile widths which are not significantly broader than what is expected for a point source, yet there is extended emission in a faint "pedestal" that can be reliably measured as a statistically significant excess of the f$_\nu$(t) aperture value over the f$_\nu$(template) point source fitted value; see the Appendix (Fig. 16) for further details.

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[11] See http://irsa.ipac.caltech.edu/.

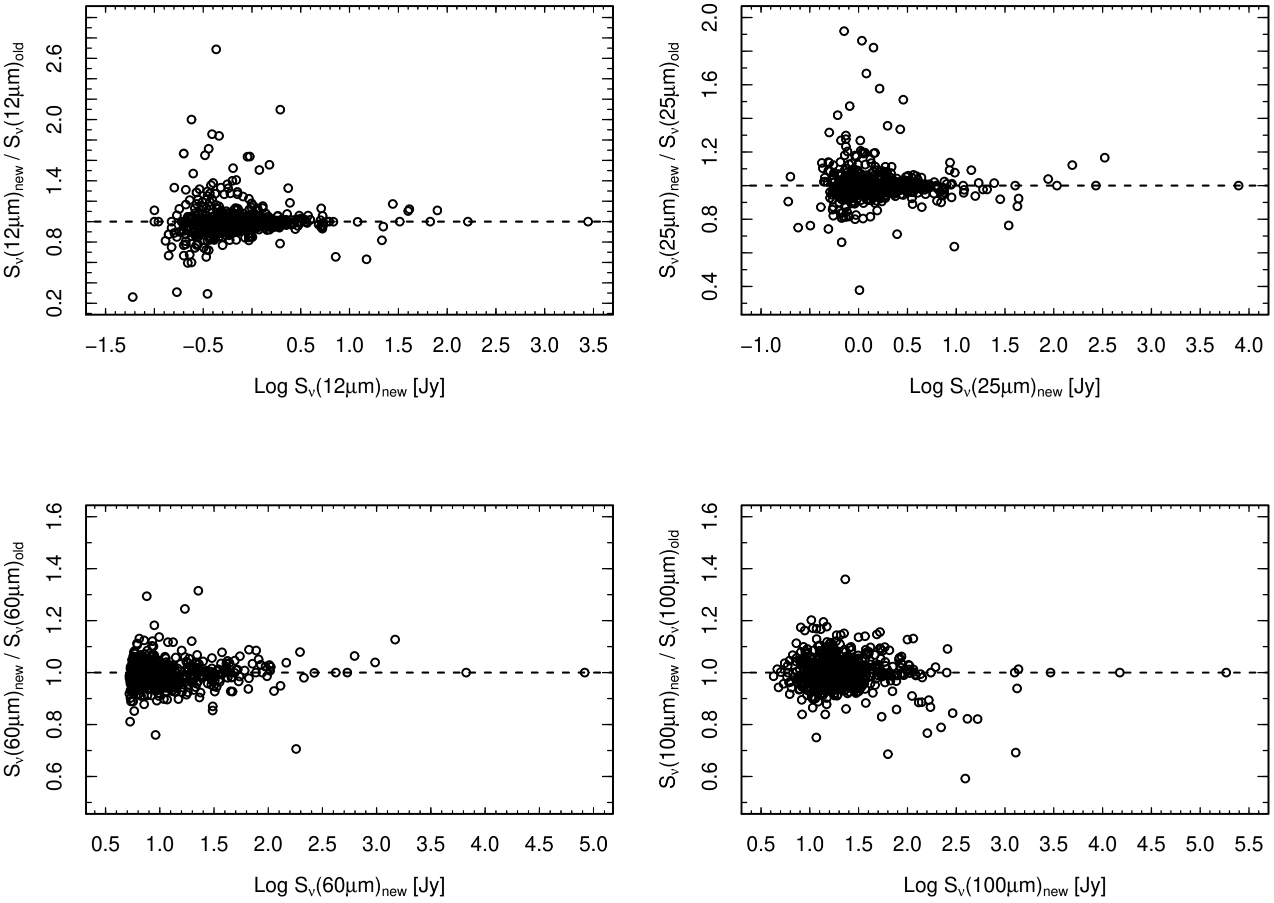

Fig. 2.— The ratio of new total flux density measurements to original estimates versus the base 10 log of the new total flux density at 12 μm, 25 μm, 60 μm and 100 μm.

All sources with extreme S_ν(new)=S_ν(old) flux ratios in Figure 2 were examined in detail, and they are explained by various improvements in the revised processing. Some objects with S_ν(new)=S_ν(old) ¡ 0:8 are cases where the RBGS flux densities have been estimated by using SCLEAN (see Appendix) or peak values to minimize confusion from companion galaxies in pairs, nearby stars, or cirrus, where in BGS_1+BGS_2 the f_ν(t) method was used and therefore the flux densities quoted there were contaminated (over estimated). Examples are NGC 5194 and NGC 5195, where SCLEAN was used in RBGS to separate the components of this galaxy pair (M 51) at 12 ¯m and 25 ¯m. Another example is IRAS F16516-0948 at 100 ¯m (S_ν(new)=S_ν(old) = 0:75), where cirrus confusion has been minimized by using the peak flux estimate in RBGS, and f_ν(t) was contaminated (resulting in an over estimated flux density) in BGS_2. Most objects with S_ν(new)=S_ν(old) ¿ 1:2 are cases where the RBGS flux selection algorithm resulted in the choice of f_ν(t) or f_ν(z) over f_ν(template), where in BGS_1+BGS_2 a lower flux density estimate was made for reasons explained in the previous paragraph (also see the Appendix). Examples are NGC 3147 at 12 ¯m (S_ν(new)=S_ν(old) = 2:10) and MCG+07Γ23Γ019 at 25 ¯m (S_ν(new)=S_ν(old) = 1:92). Other extreme ratios are due simply to differences between the f_ν(t) results obtained using the final (PASS3) *IRAS* archive calibration versus the earlier versions utilized in BGS_1+BGS_2; an example is NGC 4565 at 60 ¯m (S_ν(new)=S_ν(old) = 0:79). Most of the remaining outliers in Figure 2 are explained by the use of the SCANPI f_ν(z) measurement for all objects smaller than 25 arcminutes in size, where in BGS_1+BGS_2 flux measurements from Rice et al. (1983; 1988) were always used when available. Examples are NGC 134 at 60 ¯m (S_ν(new)=S_ν(old) = 1:32) and NGC 4631 at 100 ¯m (S_ν(new)=S_ν(old) = 0:77). As discussed in Section 2, comparison of the Rice et al. measurements with SCANPI f_ν(z) measurements for galaxies with optical sizes less than 25 arcminutes showed relatively uniform scatter in the residuals, indicating that the use of SCANPI f_ν(z), when significantly larger than f_ν(t), is the best choice for these objects to insure uniformity and consistency in the calibration with the rest of the RBGS objects.

Figure 3 shows the ratio of total flux density to the peak flux density in the coadded scans at 12 ¯m, 25 ¯m, 60 ¯m and 100 ¯m. The f_ν(peak) value is used here rather than f_ν(template) because the latter measurement does not exist for objects in which the point source template (PSF) fit failed, while for pure point sources f_ν(total) ß f_ν(template) and thus the ratio S_ν(total)=S_ν(peak) is very close to unity. This figure illustrates the degree to which point-source fitted measurements in the *IRAS* PSC and *IRAS* FSC underestimate the total flux densities for objects in the RBGS. There are likely numerous errors in the literature concerning the infrared flux densities and infrared colors of galaxies, due to the fact that some users of *IRAS* data have not fully appreciated the fact that most bright infrared galaxies in the local universe, as represented here in the RBGS, are marginally extended or resolved by IRAS.

A summary of the percentages of sources that were found to be extended in each of the *IRAS* bands in given in Table 5. The most notable result is that at 60 ¯m and 100 ¯m, where S/N is highest and distinctions can be reliably made, there are significantly more resolved or marginally resolved objects than previously thought: 48% in the RBGS versus 45% as previously reported in the BGS_1+BGS_2 at 60 ¯m, and 30% in the RBGS versus 23% as previously reported in the BGS_1+BGS_2 at 100 ¯m. This is due to a more careful definition of resolved or marginally extended objects as those having significantly more flux between the baseline zero-crossings, f_ν(z), than within the nominal detector size, f_ν(t), in combination with a comparison of W25 and W50 measurements to point-source values. We should emphasize that the BGS_1+BGS_2 used only W25 and W50 to determine whether sources are resolved, and always chose f_ν(t) to estimate the flux for the R and M (U+) objects. The revised processing has resulted in significantly fewer objects with underestimated total fluxes in the RBGS compared to BGS_1+BGS_2.

TABLE 5
IRAS SOURCE DETECTION TYPES[†]

Detection Type	$12\mu m$	$25\mu m$	$60\mu m$	$100\mu m$
RBGS Resolved[a]- R	338 (54%)	266 (42%)	219 (35%)	81 (13%)
BGS_1+BGS_2 Resolved - R	349 (56%)	321 (52%)	195 (32%)	72 (12%)
RBGS Marginally Resolved[a]- M	43 (7%)	77 (12%)	82 (13%)	105 (17%)
BGS_1+BGS_2 Marginally Resolved - U+	84 (14%)	112 (18%)	80 (13%)	71 (11%)
RBGS Unresolved[a]- U	229 (36%)	286 (46%)	328 (52%)	443 (70%)
BGS_1+BGS_2 Unresolved - U	179 (29%)	185 (30%)	343 (55%)	471 (76%)
RBGS Upper Limits	19 (3%)	0	0	0
RBGS Uncertain fluxes[b]	34 (5%)	37 (6%)	40 (6%)	59 (9%)

[†] The number and approximate percentages of objects in each category are listed. The RBGS contains 629 objects and BGS_1+BGS_2 contains 618 objects.

[a] IRAS scan profile size information as identified with the size code (S) following each flux density and uncertainty listed in Table 1. See the description of columns (8) – (11) in Table 1, and Figure 14 (Appendix) for examples of coadded scan profiles that illustrate size codes "R", "M", and "U".

[b] Various types of measurement uncertainties as encoded in the flag (F) following some flux density and uncertainty values listed in Table 1. See the description of columns (8) – (11) in Table 1, and Figure 16 (Appendix) for examples of scan profiles that illustrate the uncertainty flags "g", "b", "c", and "n".

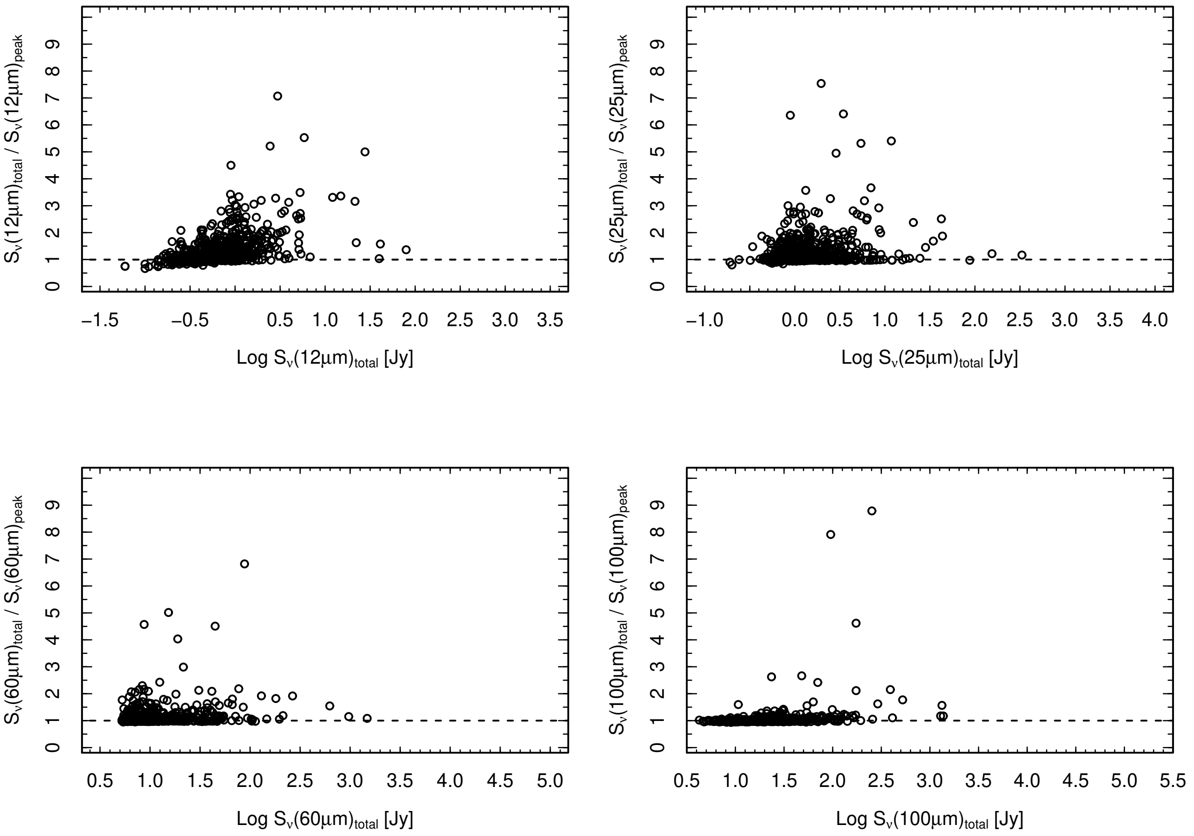

Fig. 3.— Ratio of the best estimate of the total flux density to the peak value in the coadded scan vs the base 10 log of the new total flux density at 12 μm, 25 μm, 60 μm and 100 μm. Only a few objects with very large ratios are outside the plot region; the selected range in the ratio was chosen to show details for the largest number of points.

4.2. *IRAS* Flux Densities – Completeness

With the exception of 19 sources which were not detected at 12 μm, the objects in the RBGS were detected in all four *IRAS* bands. Therefore, despite the fact that the RBGS was selected only on the basis of 60 μm flux, the flux distributions and infrared colors involving all four of the *IRAS* bands (see Table 1) are a fair representation of the true distributions of the *IRAS* properties of galaxies selected at 60 μm.

The distribution of fluxes in Table 1 can be compared with the distribution $\mathrm{N}(\mathrm{S}_\nu) \propto \mathrm{S}_\nu^{-1.5}$ expected for a complete sample of objects in a non-evolving Euclidean universe that should be a reasonable approximation for the relatively small redshift range covered by the objects in the RBGS. Figure 4 shows the integral and differential $\log \mathrm{N}$–$\log \mathrm{S}_\nu$ plots for each *IRAS* band. The apparent turn over in the faintest bin of the differential source counts suggests a possible incompleteness near the 60 μm sample flux limit. However, this interpretation is based on the assumption that the volume shell containing the bulk of these objects is as uniformly filled with galaxies as the shells containing the brighter galaxies; studies of large-scale structure indicate that such uniformity is not actually present. In addition, the error bars plotted in Figure 4 are merely statistical uncertainties, $\sqrt{\mathrm{N}}$; they do not account for other possible errors. The relatively constant slope of the number of sources versus flux density at 60 μm down to the selection limit, with a power law fit of -1.48 ± 0.13 in the integral counts, shows that at 60 μm the RBGS is reasonably complete to the selection limit of 5.24 Jy.

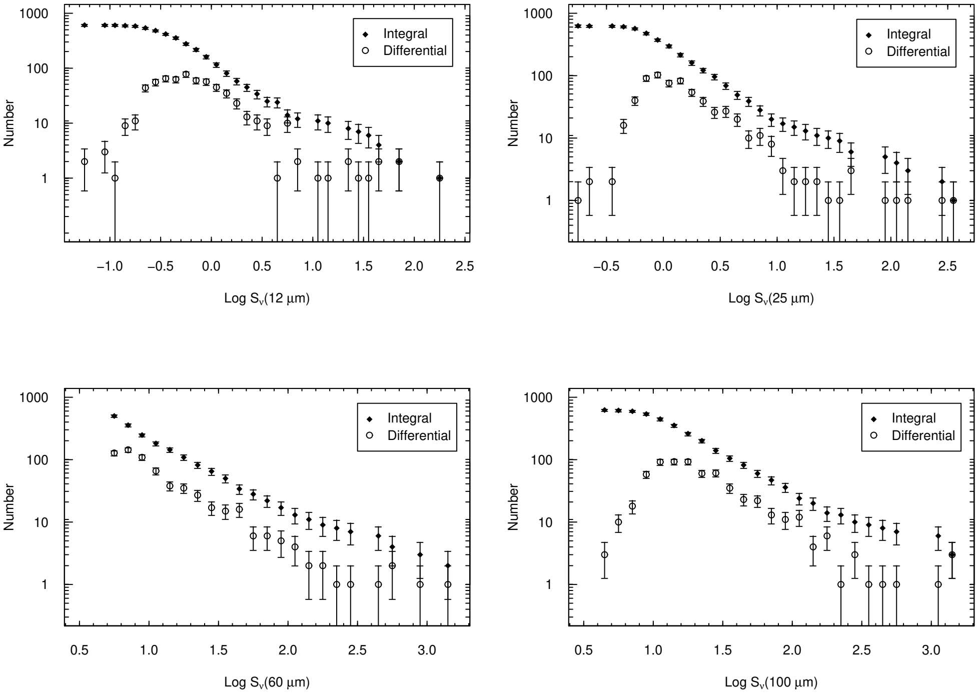

Fig. 4.— Integral and differential number counts vs. flux density ($\log N - \log S$) for objects in the RBGS. Nineteen objects with upper limits are not included in the 12 μm plot. The bins have width $d(\log S) = 0.1$, and the thin vertical bars represent statistical uncertainties (i.e., $\sqrt{N}$).

At 12 ¯m, 25 ¯m, and 100 ¯m, there is a portion of the log N–log S_ν plot that follows the Γ1:5 power-law relation, suggesting that the RBGS sample contains a complete flux-density-limited sample at those wavelengths to the turnover point in the plots (i.e. near log S_ν = Γ0:1, 0.0, and 1.1 at 12 ¯m, 25 ¯m, and 100 ¯m respectively). The turnover point represents the flux-density value beyond which a significant population of sources is being lost as a result of the 60 ¯m selection criterion. At 100 ¯m the turnover is at a value S_ν ¸ 16 Jy, nearly 10 times the completeness limit of the PSC at 100 ¯m (*IRAS* Explanatory Supplement 1988), and is consistent with the rare occurrence of "extremely cold" galaxies with S_{100}=S_{60} ¿ 3:5. At 25 ¯m the turnover point at 0.8 Jy is only a factor of ¸ 2.2 above the PSC completeness limit at 25 ¯m, and the turnover reflects a true loss of "warm" *IRAS* galaxies with S_{25}=S_{60} ¿ 0:15 from the RBGS. Similarly at 12 ¯m where the turnover at ¸ 0.75 Jy is again approximately twice the PSC completeness limit at 12 ¯m, there is a true loss of objects with S_{12}=S_{60} ¿ 0:1 from the RBGS.

4.3. Sky Coverage

The final RBGS covered all of the sky surveyed by *IRAS* except for a thin strip within jbj ¡ 5 degrees of the Galactic Plane. Figure 5 displays a Hammer-Aitoff projection in Galactic coordinates of all source positions in the RBGS. Also indicated in Figure 5 are three small regions suffering heavy contamination from nearby Galactic molecular clouds (Orion: $5^{h}0^{m}$ ¡ R:A: ¡ $6^{h}40^{m}$; Γ20° ¡ b ¡ Γ10° ; Ophiuchus: $16^{h}15^{m}$ ¡ R.A. ¡ $16^{h}30^{m}$; Γ26° ¡ ffi ¡ Γ20°) and an area of confusion near the Large Magallenic Cloud (LMC: $5^{h}01^{m}$ ¡ R.A. ¡ $6^{h}11^{m}$, Γ72°45′ ¡ ffi ¡ Γ66°45′). These three regions were excluded from the BGS_2 (see Figure 1 of Sanders et al. 1995). However, with the more thorough data processing carried out for the RBGS, and the fact that the aerial density of sources in these regions is not significantly different from regions of high Galactic latitude, we now believe that most if not all *IRAS* bright galaxies within these regions have been identified. Sources that lie within these regions are included in Table 1 along with a flag (an asterisk following the *IRAS* source name in Column 2) indicating that they are located in a region of high Galactic foreground confusion.

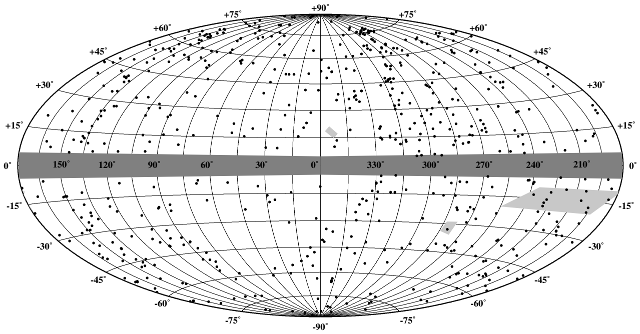

Fig. 5.— Aitoff projection in Galactic coordinates of all sources in the RBGS. The dark shaded region represents the Galactic plane region excluded from the survey (|*b*| < 5°). The three small lightly shaded regions denote areas with extensive contamination from nearby Galactic molecular clouds and the LMC (see text for detailed boundaries). The total survey area is 37,658 deg^2, or 91.3% of the sky.

In the BGS_2, Sanders et al. (1995) explored the effect that decreasing Galactic latitude might have on our ability to detect all of the real 60 ¯m bright galaxies present. On the basis of the fact that there was no statistically significant decrease in the density of sources detected versus jbj, it was concluded that the BGS_2 was essentially complete down to the limit of Σ5°. We have re-examined this issue using the new RBGS data. Figure 6 shows the surface density of RBGS sources versus Galactic latitude. Although the three bins (bin width Δb = 5°) with the lowest surface density of sources all lie at b ¡ 40°, there is again no observed systematic decrease in source density with Galactic latitude, and the three lowest points are not that extreme. However, we do not rule out the possibility that a few sources have been missed at lower Galactic latitude, and in particular, that the systematic low values at b = Γ35° to Γ5° may reflect this fact. What is most noticeable in the data of Figure 6 is the large excess surface density of sources in the northern hemisphere compared to the south. This reflects the effect of the Local Supercluster (e.g., Tully 1982).

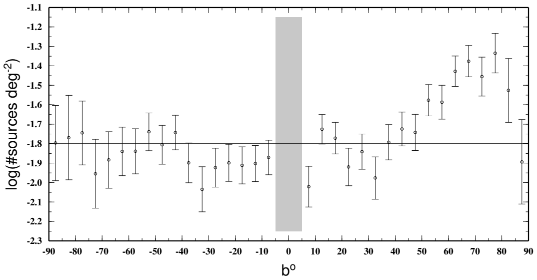

Fig. 6.— Surface density of RBGS objects versus Galactic latitude (b). The shaded region denotes the omitted survey region of ±5° around the Galactic plane. The line indicates the median value of $\log_{10}(\#\,{\rm source/deg}^2) = -1.80$, or 0.016 sources per square degree for the whole sample. This plot illustrates the well-known excess of IRAS galaxies in the northern compared to the southern Galactic hemisphere, due primarily to the Virgo cluster centered near $b = +74°$ as well as the local supercluster .

4.3.1. Clustering

In the original discussion of the properties of *IRAS* bright galaxies (i.e. the 324 galaxies in the original BGS$_1$ – Soifer et al. 1987) significant attention was given to the effect of the nearby Virgo cluster, which was found to be reflected in the BGS$_1$ sample as an "over density" of sources due to ¸30 galaxies within a ¸ 20° radius around M87 (taken to be the center of the Virgo cluster). These "Virgo galaxies" were shown to be gas-rich spirals with relatively modest luminosity, i.e. log (L$_{\rm ir}$=L$_\odot$ ¸ 9:8 Γ 10:4. While nearly all of these galaxies remain in the RBGS, the overall effect of Virgo on the full RBGS sample is less. This is partly due to the ¸ 2Θ increase in the total number of galaxies in the RBGS, but is also due to the realization that Virgo is simply one (albeit the largest) of several galaxy concentrations within the Local Supercluster (e.g. Tully 1982; Tully & Shaya 1984). We have chosen not to formally separate out the properties of Virgo galaxies from the overall properties of the RBGS, but instead will simply point out the effect of Virgo on the distribution of RBGS galaxy properties where appropriate.

In the Aitoff all-sky plot shown in Figure 5, one of the most obvious features is the asymmetry in the relative number of *IRAS* bright galaxies found in the north (370) versus the south (259). Tully (1982) has previously shown that this asymmetry is also found for optically selected galaxies, and that it can be accounted for by a relatively small number of "concentrations" within the Local Supercluster, which lies almost entirely at high Galactic latitude. The cumulative affect of the Local Supercluster produces the prominent broad peak in the surface density distribution of *IRAS* bright galaxies versus Galactic latitude (b ¸ +50° to + 85°) in Figure 6.

4.4. *IRAS* Colors

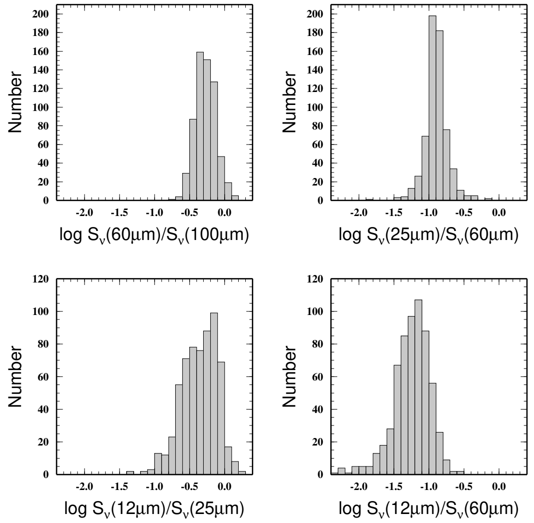

Fig. 7.— Distributions of total IRAS flux density ratios: (a) $S_\nu(12\mu m)/S_\nu(25\mu m)$, (b) $S_\nu(12\mu m)/S_\nu(60\mu m)$, (c) $S_\nu(25\mu m)/S_\nu(60\mu m)$, and (d) $S_\nu(60\mu m)/S_\nu(100\mu m)$.

A full discussion of the *IRAS* colors for this sample is beyond the scope of this paper. However, it is worth pointing out here that the primary statistical trends reported previously in BGS$_1$ (Soifer et al. 1989) have not changed substantially when using the more accurate RBGS fluxes. We discuss the *IRAS* colors of the RBGS objects briefly below.

Figure 7 shows the distributions of the RBGS *IRAS* flux density ratios observed in individual sources. The largest range is found for the ratios 12¯m/25¯m and 12¯m/60¯m (¸1.5 dex), while the ratios 60¯m/100¯m and 25¯m/60¯m cover a narrower range (¸ 0.8 dex).

All of the galaxies in the RBGS exhibit SEDs whose infrared emission increases between 25 ¯m and 60 ¯m with the bulk of the sample having $S_{60}{=}S_{25}$ in the range ¸ 5 Γ 15. This simply reflects the dominance of thermal emission from relatively "cool" dust (i.e. $T_{\rm dust}$ ¸ 25 Γ 70K) in the infrared SEDs of the 60 ¯m selected *IRAS* bright galaxies. This range of dust temperature is also consistent with the range of observed $S_{100}{=}S_{60}$ ratios (¸ 4 Γ 0:5). Several authors have now shown that this latter ratio is correlated with infrared bolometric luminosity, with the most luminous *IRAS* sources having the largest values of $S_{60}{=}S_{100}$ (see Sanders & Mirabel 1996 for references).

Not all of the observed *IRAS* flux ratios can be simply understood in terms of a single dust temperature component. For example, the relatively flat distribution found for $S_{25}{=}S_{60}$ versus $S_{60}{=}S_{100}$ (Figure 8, top panel) likely reflects the combined effects of more than one prominent dust temperature component. Although most galaxies have a dominant "cool" dust component as discussed above, a significant fraction also show a secondary "warm" dust component that typically peaks near 25 ¯m and that appears to be associated with the presence of Seyfert/AGN activity (e.g. Miley et al. 1984; deGrijp et al. 1985).

One of the more surprising results concerning the *IRAS* colors of galaxies in the RBGS is seen in the inverse correlation between the 60¯m/100¯m ratio and the 12¯m/25¯m ratio (Figure 8, bottom panel). Soifer & Neugebauer (1991) previously showed that this ratio was also strongly correlated with galaxy infrared luminosity (see their Figs. 5 and 6). One plausible "simple" interpretation that has been proposed is that the component of "hot" (T ¸ 100 Γ 200 K) dust found in the SEDs of most "normal" spiral disks decreases due to the increasing destruction rate of small grains as the intensity of the nuclear radiation field increases with increasing total galaxy infrared luminosity.

4.5. Luminosity Function

An appropriate quantity for comparing the RBGS galaxies with other classes of extragalactic objects selected at other wavelengths is the infrared luminosity, $L_{\rm ir}$(8 Γ 1000¯m), computed using all four *IRAS* bands (Soifer et al. 1987; Sanders & Mirabel 1996). Soifer et al. (1987) first used the "infrared bolometric luminosity" to compare *IRAS* BGS galaxies with the total bolometric luminosity for several optically selected galaxy samples (Seyferts, starbursts, QSOs, etc). Here we reconstruct the infrared bolometric luminosity function using the new *IRAS* measurements listed in Table 1 for the RBGS galaxies. All of the RBGS objects have measured redshifts, and all have measured flux densities in all four *IRAS* bands (except for a very small percentage of objects with upper limits at 12 ¯m). The space density of the galaxies, æ, is the number of objects per cubic megaparsec

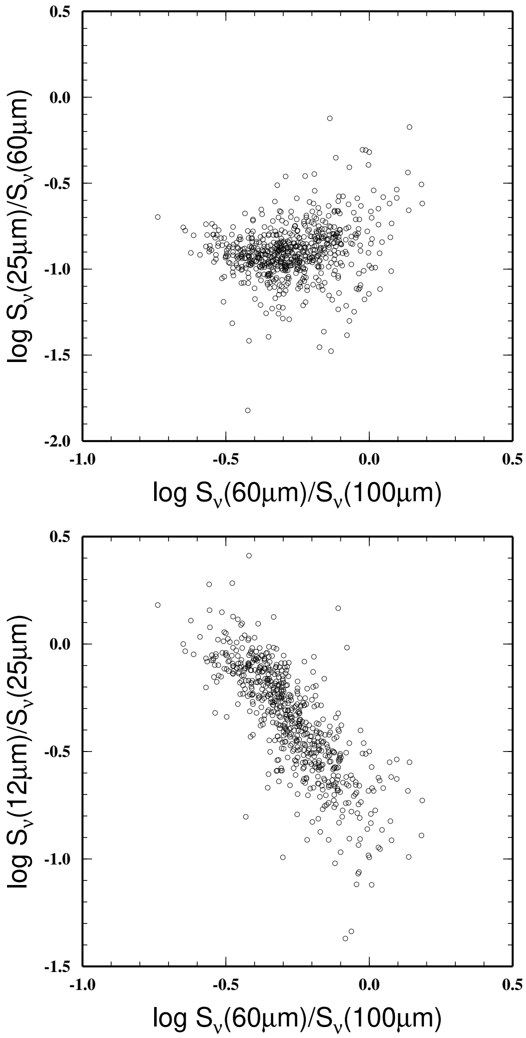

Fig. 8.— IRAS flux density ratio correlations using the revised total flux estimates in Table 1.

per unit absolute magnitude interval. The units of æ are Mpc^{-3} M$_{\rm ir}^{-1}$, where M$_{\rm ir}$ signifies infrared absolute magnitude bins computed using logarithmic intervals in which each luminosity bin boundary is a factor of 10$^{0.4}$ larger than the previous one [12].

Figure 9 plots the distribution of heliocentric radial velocities (c Λ z) for the complete RBGS using the redshifts tabulated in Table 1 taken from the references given in Table 7. The sharp peak in the 1000-2000 km s^{-1} redshift bin is largely due to the Virgo cluster. Otherwise, the redshift distribution for the RBGS shows a relatively smooth high redshift tail out to a cut-off near cz ¸ 26; 000 km s^{-1}.

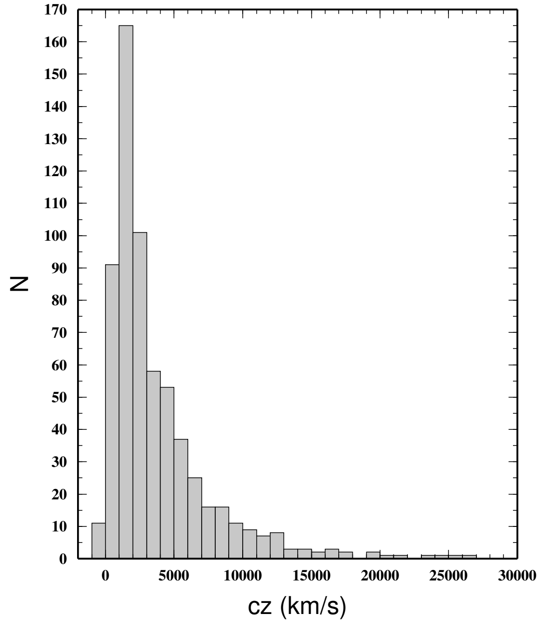

Fig. 9.— Distribution of heliocentric radial velocities ($c *$ z) for the RBGS.

Distances for the RBGS galaxies have been computed using the new cosmic attractor flow model outlined in Appendix A of Mould et al. (2000), assuming H$_{\rm o}$ = 75 km s^{-1}Mpc^{-1} and adopting a flat cosmology, $\Omega_{\rm M}$ = 0:3 and Ω_Λ = 0:7. Figure 10 plots the distribution of distances (Mpc) as tabulated in Table 1. Again, the effect of the Virgo cluster can be seen as affecting the strength of the peak in the 10-20 Mpc bin (assuming our adopted distance to Virgo of 15.3 Mpc).

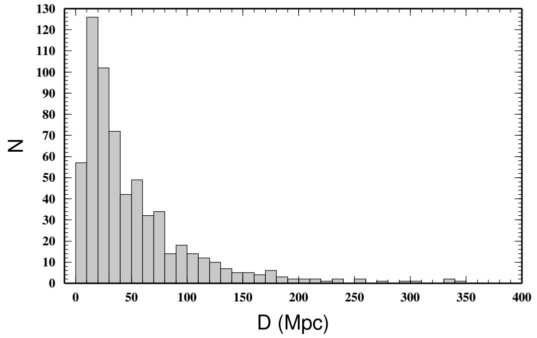

Fig. 10.— Distribution of estimated distances (Mpc) for sources in the RBGS.

The resulting distribution of infrared luminosities is shown in Figure 11. The prescription and references used for computing L$_{\rm ir}$ are given in the column notes to Table 1. Except for a modest excess of objects at L$_{\rm ir}$ ¸ 10^{10}L$_\odot$ (largely due to Virgo) the distribution shows a relatively broad peak over the luminosity range log (L$_{\rm ir}$=L$_\odot$) ¸ 9:8 Γ 11:4 (half-power). The median observed luminosity, log (L$_{\rm ir}$=L$_\odot$) ¸ 10:65, is somewhat larger than the total bolometric luminosity of the Milky Way, and the maximum observed luminosity in the sample, log (L$_{\rm ir}$=L$_\odot$) = 12:51 (Mrk 231), is nearly 100 times larger than the median.

The luminosities plotted in Figure 11 were used to compute the infrared bolometric luminosity function for the RBGS (Figure 12), using the 1=V$_{\rm max}$ method (Schmidt 1968). The computed values are listed in Table 6. The "double power-law" shape of the luminosity function for *IRAS* bright galaxies is similar to that derived earlier for the BGS$_1$ (e.g. Soifer et al. 1987), except for improved statistics at both low and high infrared luminosities, plus the decreased influence of the Virgo cluster in the all-sky sample as compared to its effect in the smaller BGS$_1$ survey. The best fit power-laws, Œ(L) / L$^\alpha$, give ff = Γ0:6 (Σ0:1) and ff = Γ2:2 (Σ0:1) below and above L$_{\rm ir}$ ¸ 10$^{10.5}$L$_\odot$ respectively.

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[12] This effectively converts intervals of infrared luminosity (L$_{\rm ir}$/L$_\odot$) to equivalent intervals of absolute magnitude (M$_{\rm ir}$); an alternate way to express the units of ρ is Mpc^{-3} [0.4 $*$ log$_{10}$(L$_{\rm ir}$/L$_\odot$)]$^{-1}$.

Table 6
Infrared Luminosity Function

L_{ir}	N	$V=V_{max}$	æ (Mpc^{-3} M_{ir}^{-1})
7:75	3	0:16 Σ 0:03	11:2 Σ 6:5 Θ 10^{-2}
8:25	3	0:28 Σ 0:05	14:0 Σ 8:1 Θ 10^{-3}
8:75	9	0:39 Σ 0:04	13:2 Σ 4:3 Θ 10^{-3}
9:25	24	0:37 Σ 0:02	6:7 Σ 1:3 Θ 10^{-3}
9:75	69	0:56 Σ 0:02	32:9 Σ 4:0 Θ 10^{-4}
10:25	168	0:44 Σ 0:01	17:0 Σ 1:3 Θ 10^{-4}
10:75	157	0:45 Σ 0:01	26:5 Σ 2:1 Θ 10^{-5}
11:25	122	0:53 Σ 0:02	38:6 Σ 3:5 Θ 10^{-6}
11:75	56	0:50 Σ 0:02	30:1 Σ 4:0 Θ 10^{-7}
12:25	18	0:44 Σ 0:03	14:5 Σ 3:4 Θ 10^{-8}

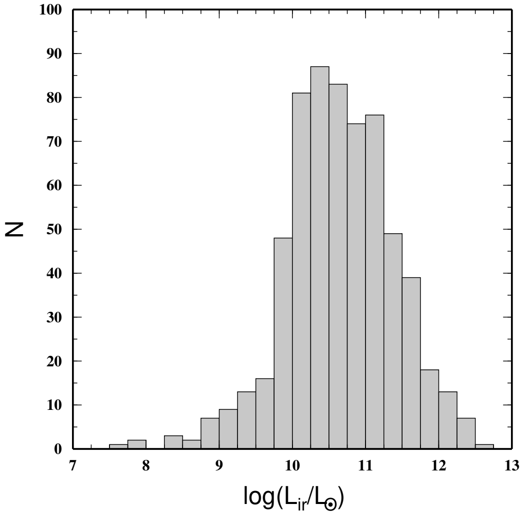

Fig. 11.— Distribution of the base ten logarithm of the total infrared luminosity in Solar units.

5. Summary

This paper presents the complete list of objects in the *IRAS* Revised Bright Galaxy Sample, a sample of extragalactic objects selected at 60¯m from the *IRAS* all-sky survey. The observed slope of Γ1:49 Σ 0:10 in the log N–log S_ν relation at 60 ¯m confirms that the RBGS is statistically complete down to the limit of S_{60} = 5:24 Jy. The properties of the RBGS objects were computed using the final release of the *IRAS* Level 1 Archive and thus the RBGS replaces the earlier BGS samples which were determined using older versions of the *IRAS* data products. The RBGS contains 39 objects which were not present in the BGS_1+BGS_2, and 28 objects from the BGS_1+BGS_2 have been dropped from the RBGS because their revised 60 ¯m flux densities are not greater than 5.24 Jy. Improved methods were used to measure the total *IRAS* flux densities of individual sources, resulting in typical changes of 5-25% when compared to previous values reported for the BGS_1+BGS_2, with changes of up to a factor of 2 for the faintest sources at 12 ¯m and 25 ¯m. Better procedures for resolving position uncertainties and resolving cross-identifications with other galaxy catalogs resulted in name changes for ¸7% of the previous BGS_1+BGS_2 compilations. This work presents the most accurate estimates to date of the total *IRAS* flux densities and derived infrared luminosities of galaxies in the local Universe. Basic properties of the RBGS galaxies are summarized below.

1. The RBGS sample contains a total of 629 galaxies with S_{60} ¿ 5:24 Jy in an area of 37,657.5 square degrees (91.3% of the sky) covering the entire sky surveyed by *IRAS* down to Galactic latitude jbj = 5°;
2. Extended flux (¿ 0.77′) at 12 ¯m, (¿ 0.78′) at 25 ¯m, (¿ 1.44′) at 60 ¯m, and (¿ 2.94′) at 100 ¯m is detected in 61%, 54%, 48%, and 30% of the galaxies respectively.

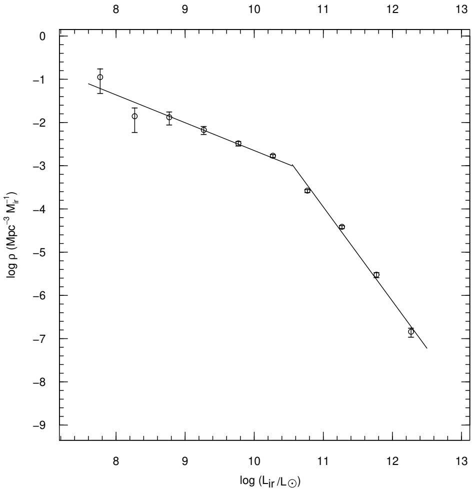

Fig. 12.— The infrared luminosity function for the RBGS, computed using the $1/V_{\max}$ method. The space densities and uncertainties plotted are those listed in Table 6; the points represent the center of each luminosity bin, and each bin has a uniform width of 0.5 in units of $\log(L_{\rm ir}/L_{\odot})$. The solid lines are linear least-square fits to the data points below and above the "characteristic" infrared luminosity $L^{*}_{\rm ir} \sim 10^{10.5} L_{\odot}$, respectively. The corresponding power laws, $\phi(L) \propto L^{\alpha}$, have $\alpha = -0.6$ ($\pm$0.1) and $\alpha = -2.2$ ($\pm$0.1).

3. The mean and median redshift for the entire RBGS sample is z = 0:0126 (cz = 3777 km s^{-1}) and z = 0:0082 (cz = 2458 km s^{-1}), respectively. The object with the highest redshift is IRAS 07251 Γ 0248(z = 0:0876), and the object with the largest computed infrared luminosity in this local sample is Mrk 231 (L$_{\rm ir}$ = 3:2 Θ 10^{12}L$_{\odot}$).

4. The bolometric infrared luminosity function, Œ(L$_{\rm ir}$), for infrared bright galaxies in the Local Universe remains best fit by a double power law, Œ(L) / L$^{\alpha}$, with ﬀ = Γ0:6 Σ 0:1; and ﬀ = Γ2:2 Σ 0:1 below and above L$_{\rm ir}$ ¸ 10$^{10.5}$L$_{\odot}$, respectively.

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APPENDIX

Data Reduction and Detailed SCANPI Measurements

Many sources in the RBGS are near enough such that they appear resolved or marginally extended in one or more of the *IRAS* detector bands, while others are unresolved. Therefore, an objective and consistent procedure had to be developed to select the best estimate of the total flux density for each object in each of the four *IRAS* bands. Table 7 lists the *IRAS* SCANPI measurements for all sources in the RBGS; these data were used along with the coadded scan plots to determine the "best" flux density estimates as listed in Table 1. These measurements are from the SCANPI median (1002) method of *IRAS* scan coaddition (Helou et al. 1988). Table 7 includes the coaddition results from all four SCANPI methods ("zc", "tot", "template", "peak") for each source in the RBGS. Our automated processing methods selected the final flux densities listed in Table 1 based on the relative values from these four coadd methods, plus the use of important additional information concerning source extent, and possible confusion due to blended sources, companions, Galactic cirrus, or excessive noise. Examples of how these choices were made are illustrated in Figures 14-16, and more thoroughly discussed in the captions to these figures.

The column entries in Table 7 are as follows:

(**1**) *Name* – The Common name as listed in Table 1.

(**2**) *Redshift Reference* – 19 digit reference code from NED for the redshift listed in Table 1.

(**3**) *N/O* – Ratio of the new *IRAS* flux density estimate to the old flux density estimate published previously in BGS_1 or BGS_2 at 12 ¯m; objects new to the RBGS have missing values (" —") in this and following columns.

(**4**) *zc* – flux density from SCANPI's zero-crossing measurement, $f_\nu(z)$ (Jy) at 12 ¯m.

(**5**) *tot* – flux density from SCANPI's in-band total measurement, $f_\nu(t)$ (Jy) at 12 ¯m.

(**6**) *temp* – flux density from SCANPI's template amplitude measurement, tmpamp (Jy) at 12 ¯m.

(**7**) *peak* – flux density from SCANPI's peak measurement, peak (Jy) at 12 ¯m.

(**8**) *W25* – scan profile full width (arcminutes) measured at 25% of the peak signal at 12 ¯m.

(**9**) *W50* – scan profile full width (arcminutes) measured at 50% of the peak signal at 12 ¯m.

(**10–16**) – Same measurements as in columns (3) – (9), but at 25¯m.

(**17–23**) – Same measurements as in columns (3) – (9), but at 60¯m.

(**24–30**) – Same measurements as in columns (3) – (9), but at 100¯m.

TABLE 7

Revised Bright Galaxy Sample — IRAS ADDSCAN/SCANPI Flux Densities and Sizes

Name	Redshift Reference	12μm							25μm							60μm							100μm						
		N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50
			Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
NGC 0023	1991ApJ...370..158S	1.12	0.68	0.66	0.45	0.48	1.20	0.89	1.04	1.28	1.29	1.07	1.17	1.08	0.75	1.03	9.41	9.34	9.03	9.26	2.00	1.45	1.05	15.82	15.79	15.66	15.86	3.88	3.00
NGC 0034	1991RC3.9.C...0000d	0.97	0.40	0.37	0.35	0.41	0.88	0.68	1.00	2.51	2.42	2.39	2.47	1.03	0.76	1.06	16.84	16.72	17.05	17.20	1.89	1.38	0.99	17.61	17.12	16.86	17.50	3.79	2.88
NGC 0055	1991RC3.9.C...0000d	1.00	1.48	1.38	0.00	0.64	2.61	1.52	1.00	5.26	4.50	0.00	2.53	2.21	1.43	1.00	60.57	52.19	0.00	35.25	3.34	2.18	1.00	107.67	100.77	77.24	82.31	5.09	3.56
MCG-02-01-051/2	1993AJ....105.1637H	1.22	0.32	0.28	0.23	0.27	1.78	0.75	1.02	1.19	1.16	1.20	1.23	1.07	0.79	1.02	7.52	7.48	7.04	7.05	2.10	1.48	1.02	9.67	9.68	9.66	9.99	3.87	2.91
NGC 0134	1991RC3.9.C...0000d	1.33	2.45	2.35	1.49	1.63	1.62	1.13	0.97	2.59	2.59	1.79	1.83	1.63	1.14	1.31	22.83	22.65	20.01	19.97	2.22	1.59	0.96	59.77	58.87	55.54	56.43	4.05	3.04
ESO 079-G003	1996ApJS..107...97M	1.00	0.43	0.42	0.30	0.31	1.48	1.13	0.99	0.88	0.88	0.70	0.71	1.45	0.97	0.97	7.07	7.05	6.52	6.51	2.16	1.56	1.00	17.88	17.52	17.41	17.56	3.90	2.98
NGC 0150	1991RC3.9.C...0000d	0.90	0.65	0.66	0.49	0.51	1.28	0.96	1.01	1.72	1.66	1.53	1.58	1.16	0.83	1.00	9.68	9.66	8.97	9.03	2.09	1.51	1.02	17.55	17.56	17.72	18.29	3.81	2.89
NGC 0157	1995ApJS...98..219Y	1.03	1.60	1.61	0.77	0.86	1.99	1.55	1.04	2.20	2.17	0.93	1.08	2.18	1.74	1.02	17.98	17.93	13.80	13.79	2.62	1.88	0.98	42.66	42.43	38.89	39.81	4.21	3.08
ESO 350-IG038	1981A&AS...46...57W	1.27	0.54	0.52	0.43	0.45	1.01	0.80	0.99	2.35	2.31	2.51	2.49	1.04	0.78	0.99	6.68	6.68	6.88	7.05	1.89	1.36	1.00	5.10	5.01	5.04	5.13	3.75	2.92
NGC 0174	1998A&AS..130..333T	1.05	0.34	0.31	0.41	0.41	0.94	0.72	0.99	1.45	1.37	1.27	1.34	1.02	0.75	1.05	11.29	11.26	11.36	11.42	1.89	1.41	1.04	19.83	19.64	19.77	20.30	3.79	2.92
NGC 0224	2001ApJ...553...47F	1.00	10.89	7.58	1.41	2.64	-0.10	2.30	1.00	6.90	4.39	0.92	1.61	-0.10	2.20	1.00	47.19	34.10	9.61	15.26	-0.10	3.44	1.00	114.50	89.76	26.63	43.02	-0.10	-0.10
NGC 0232	1996AJ....111..696K	1.00	0.47	0.43	0.36	0.43	0.95	0.66	1.05	1.30	1.28	1.02	1.06	1.41	0.91	1.00	10.54	10.51	10.05	10.10	2.00	1.45	1.02	16.97	16.99	17.14	17.55	3.83	2.91
NGC 0247	1991RC3.9.C...0000d	---	0.18	0.22	0.14	0.19	1.29	0.63	---	0.89	0.32	0.00	0.14	-0.10	1.71	1.10	8.73	4.89	0.80	1.91	-0.10	-0.10	0.86	23.50	16.78	6.51	8.95	-0.10	5.77
NGC 0253	1995ApJS...98..219Y	1.12	41.04	37.87	22.38	26.03	1.49	0.90	1.12	154.67	145.05	121.57	126.94	1.15	0.83	1.04	999.50	967.81	820.10	840.55	2.20	1.58	0.69	1328.28	1288.15	1091.46	1097.46	4.44	3.36
NGC 0278	1995ApJS...98..219Y	0.99	1.66	1.65	1.28	1.37	1.30	0.91	1.02	2.65	2.65	2.13	2.23	1.33	0.93	1.00	25.13	25.03	23.58	23.75	2.07	1.49	1.01	45.97	45.90	44.46	45.38	3.95	3.00
NGC 0289	1997AJ....113.1591W	---	0.46	0.45	0.24	0.29	1.91	1.05	---	0.64	0.60	0.54	0.51	1.49	1.09	---	5.51	5.47	4.59	4.56	2.31	1.68	---	16.99	16.90	15.86	16.19	4.03	3.07
MCG+12-02-001	1992ApJS...83...29S	1.00	0.71	0.77	0.78	0.82	0.94	0.70	0.92	3.48	3.47	3.51	3.58	1.07	0.78	0.96	21.84	21.83	21.92	22.54	1.88	1.37	1.00	27.78	27.72	29.11	29.83	3.73	2.90
SMC	1999ApJ...522..250S	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
UGC 00556	1988ApJ...335..104M	1.03	0.28	0.26	0.34	0.34	0.90	0.67	1.02	0.39	0.40	0.45	0.42	1.05	0.80	1.04	5.58	5.58	5.57	5.61	1.94	1.45	1.09	11.07	10.98	10.84	11.19	3.68	2.83
NGC 0300	2001ApJ...553...47F	---	0.90	0.62	0.05	0.20	-0.10	-0.10	---	1.96	0.95	0.00	0.26	-0.10	3.15	---	15.30	9.19	0.00	3.05	-0.10	-0.20	---	48.04	38.58	12.15	18.03	-0.10	-0.20
NGC 0317B	1991RC3.9.C...0000d	1.00	0.17	0.16	0.20	0.23	0.73	0.58	0.98	1.07	1.05	1.03	1.05	1.07	0.81	0.99	9.31	9.28	9.16	9.17	1.95	1.43	1.02	13.69	13.48	13.60	13.74	3.79	2.92
NGC 0337	1995ApJS...98..219Y	0.60	0.36	0.40	0.24	0.29	1.28	0.93	1.01	0.74	0.76	0.60	0.61	1.33	0.94	0.97	9.12	9.07	7.86	7.95	2.27	1.60	1.05	20.35	20.11	18.30	18.64	4.17	3.16
IC 1623A/B	1991ApJ...370..158S	1.05	1.10	1.03	0.70	0.77	1.13	0.85	1.06	3.89	3.79	3.65	3.85	1.05	0.76	1.03	23.70	23.59	22.93	23.16	1.95	1.46	1.04	31.71	31.59	31.55	31.23	3.81	2.93
MCG-03-04-014	1995ApJS...98..129K	0.72	0.38	0.36	0.34	0.34	1.26	1.01	1.02	0.88	0.90	0.90	0.92	1.06	0.78	1.07	7.01	7.02	7.25	7.05	1.92	1.45	1.01	10.63	10.61	10.33	10.32	3.95	3.04
ESO 244-G012	1991ApJS...75..935d	1.22	0.64	0.59	0.21	0.39	0.88	0.56	1.08	1.95	1.95	1.79	1.85	1.07	0.79	0.96	9.22	9.22	9.27	9.42	1.90	1.39	0.96	11.85	11.83	11.76	12.20	3.79	2.91
NGC 0470	1991RC3.9.C...0000d	1.02	0.47	0.46	0.42	0.43	1.10	0.85	0.80	1.33	1.28	1.11	1.13	1.31	0.88	1.02	7.37	7.37	7.22	7.21	2.03	1.48	1.02	12.74	12.70	12.20	12.54	4.01	2.95
CGCG 436-030	1988ApJ...335..104M	0.78	0.27	0.29	0.21	0.24	1.01	0.78	1.09	1.38	1.35	1.54	1.52	1.01	0.76	1.00	10.54	10.54	10.71	10.83	1.91	1.42	1.01	9.26	9.22	9.67	9.62	3.78	2.93
UGC 00903	1993AJ....105.1271G	1.03	0.44	0.42	0.37	0.39	1.08	0.81	1.08	0.58	0.64	0.56	0.65	0.93	0.67	0.98	7.87	7.88	7.78	7.63	1.96	1.47	1.06	14.64	14.58	15.45	15.05	3.71	2.89
NGC 0520	1995ApJS...98..219Y	0.99	0.86	0.90	0.70	0.74	1.12	0.85	1.06	3.21	3.22	2.85	2.96	1.10	0.81	1.00	32.09	31.96	31.52	31.51	1.97	1.45	1.02	47.43	47.30	47.37	47.30	3.83	2.96
NGC 0598	2001ApJ...553...47F	1.00	7.02	3.20	0.57	1.11	-0.10	2.29	1.00	10.46	4.19	1.11	1.77	-0.20	1.45	1.00	86.06	39.74	9.95	17.84	-0.10	4.08	1.00	249.65	146.46	27.57	67.29	-0.10	-0.10
NGC 0613	1991RC3.9.C...0000d	0.97	2.33	2.25	0.89	1.24	2.72	1.05	1.01	4.40	4.32	2.27	2.83	2.09	0.92	1.00	27.79	27.38	19.44	20.27	2.75	1.80	1.04	59.54	59.21	51.81	53.00	4.41	3.21
ESO 353-G020	1991RC3.9.C...0000d	1.19	0.38	0.37	0.25	0.32	1.02	0.69	1.00	0.64	0.60	0.71	0.71	1.10	0.76	0.88	7.24	7.19	7.17	7.12	1.93	1.43	0.98	15.63	15.65	15.54	15.96	3.78	2.90
NGC 0625	1991RC3.9.C...0000d	0.77	0.23	0.26	0.20	0.25	1.23	0.62	1.01	1.36	1.30	0.93	1.02	1.30	0.86	0.98	5.85	5.86	5.73	5.86	1.97	1.42	0.96	8.77	8.76	8.63	8.64	3.89	2.98
NGC 0628	1995ApJS...98..219Y	1.18	2.45	1.83	0.00	0.47	-0.20	-0.20	1.51	2.87	2.10	0.00	0.58	-0.20	-0.20	1.03	21.54	17.89	3.57	7.21	-0.20	-0.20	0.83	56.65	54.45	33.23	35.04	6.52	4.63
ESO 297-G011/012	1997ApJS..111..181D	1.28	0.42	0.37	0.00	0.27	0.98	0.72	0.99	1.59	1.55	0.52	0.79	2.14	0.92	0.99	7.81	7.77	5.45	5.38	2.83	2.23	0.98	13.03	12.90	11.90	11.95	4.29	3.20
IRAS F01364-1042	1995ApJS...98..129K	---	0.00	0.03	0.00	0.00	0.00	0.00	1.02	0.35	0.29	0.44	0.44	0.99	0.67	1.01	6.56	6.53	6.62	6.62	1.91	1.42	0.98	7.09	7.03	6.88	7.24	3.82	2.80
NGC 0643B	1991RC3.9.C...0000d	0.97	0.33	0.30	0.32	0.32	1.10	0.83	1.01	0.77	0.77	0.84	0.84	1.04	0.77	0.97	7.51	7.49	7.36	7.57	1.95	1.42	0.95	13.63	13.63	13.76	13.97	3.80	2.88
NGC 0660	1988ApJ...335..104M	1.06	3.17	3.05	2.56	2.67	1.21	0.84	0.95	7.58	7.54	7.30	7.45	1.10	0.80	0.94	68.68	68.26	65.52	65.51	2.00	1.48	1.13	115.53	114.74	108.81	111.69	4.08	3.01
III Zw 035	1991ApJ...370..158S	---	0.15	0.16	0.06	0.09	1.54	0.89	1.03	1.06	1.05	1.03	1.07	1.06	0.79	1.12	13.35	13.26	13.25	13.42	1.93	1.41	1.04	14.53	14.29	14.30	14.16	3.84	3.02
NGC 0693	1991RC3.9.C...0000d	0.86	0.20	0.13	0.24	0.21	0.99	0.81	1.12	0.40	0.32	0.55	0.53	0.89	0.70	0.98	6.94	6.88	6.74	6.74	1.99	1.48	1.05	11.77	11.68	11.83	11.76	3.82	3.02
NGC 0695	1995ApJS...98..219Y	1.02	0.55	0.53	0.50	0.53	0.98	0.72	1.02	0.85	0.84	0.83	0.86	1.05	0.77	1.00	7.88	7.83	7.59	7.67	1.97	1.46	0.98	14.20	14.01	13.56	13.86	3.75	2.89
NGC 0697	1991RC3.9.C...0000d	0.94	0.69	0.65	0.41	0.46	1.42	0.98	1.01	0.97	0.91	0.56	0.69	1.46	0.85	0.96	5.46	5.38	4.79	4.92	2.16	1.55	1.09	18.39	18.01	17.13	17.36	3.93	3.01
NGC 0701	1996ApJS..107...97M	0.89	0.67	0.62	0.37	0.42	1.80	0.88	1.00	0.67	0.67	0.67	0.67	1.22	0.87	1.02	6.27	6.24	6.17	6.29	1.95	1.43	1.18	15.96	15.11	14.21	14.90	3.86	2.95
NGC 0716	1988ApJ...335..104M	1.02	0.52	0.53	0.39	0.41	1.49	0.87	1.02	0.57	0.59	0.65	0.64	1.00	0.77	1.03	6.29	6.27	6.29	6.35	1.95	1.42	1.06	12.53	12.53	12.39	12.66	3.90	2.97
UGC 01385	1991RC3.9.C...0000d	1.05	0.18	0.13	0.23	0.21	0.86	0.68	0.99	0.93	0.93	0.99	1.00	1.07	0.78	1.01	6.21	5.96	5.79	5.89	1.92	1.44	1.05	8.58	8.30	7.42	7.81	4.00	3.01
UGC 01451	1988ApJ...335..104M	1.00	0.25	0.18	0.25	0.28	0.88	0.61	1.06	0.80	0.75	0.73	0.75	1.05	0.78	0.99	6.84	6.78	6.70	6.85	1.93	1.40	1.02	12.84	12.70	12.48	12.85	3.88	2.95
NGC 0772	1995ApJS...98..219Y	0.98	1.13	1.10	0.39	0.52	2.52	1.45	1.01	0.94	0.92	0.43	0.53	2.18	1.43	0.99	6.84	6.73	4.97	5.11	2.50	1.75	1.00	24.30	24.15	21.03	21.42	4.39	3.18
IRAS 01583+6807	1995A&A...293L..33H	1.03	1.04	0.56	0.34	0.37	1.42	1.00	0.95	0.84	0.85	0.78	0.81	1.23	0.84	0.98	9.16	7.24	6.01	6.44	2.11	1.48	0.95	19.71	16.01	10.73	12.92	-0.10	3.15
NGC 0835	1996ApJ...463L...5R	1.03	0.30	0.19	0.37	0.36	1.00	0.72	1.14	0.59	0.56	0.44	0.50	0.97	0.69	0.99	5.67	5.54	5.31	5.31	2.02	1.48	1.11	14.83	14.00	11.77	12.60	4.06	3.05
NGC 0828	1995ApJS...98..219Y	0.92	0.76	0.73	0.72	0.72	1.12	0.84	1.03	1.09	1.08	1.07	1.07	1.13	0.81	0.95	11.82	11.75	11.46	11.50	1.97	1.43	1.04	25.36	25.31	25.33	26.07	3.80	2.90
NGC 0838	1996ApJ...463L...5R	0.96	1.10	0.76	0.60	0.68	0.97	0.71	1.00	4.57	2.45	1.77	1.88	1.03	0.78	0.93	26.57	20.29	0.00	12.18	1.97	1.43	1.05	32.94	31.92	20.08	19.83	6.17	5.08
NGC 0839	1996ApJ...463L...5R	0.95	1.12	0.59	0.50	0.52	1.09	0.80	0.99	2.21	2.25	2.35	2.27	1.11	0.83	0.96	26.49	20.70	0.00	12.40	2.11	1.48	1.07	33.99	31.85	0.00	20.52	6.17	5.07
NGC 0834	1995ApJS...98..219Y	0.84	0.46	0.44	0.41	0.43	1.05	0.77	0.97	0.89	0.86	0.84	0.84	1.14	0.87	0.98	6.86	6.83	6.65	6.73	1.95	1.44	1.00	12.33	12.33	12.77	12.80	3.74	2.93
IC 0214	1991RC3.9.C...0000d	---	0.28	0.26	0.26	0.29	0.96	0.63	---	0.64	0.58	0.62	0.60	1.28	0.84	---	5.49	5.48	5.28	5.32	1.97	1.45	---	8.81	8.40	8.57	8.78	3.86	2.93
NGC 0873	1998A&AS..130..333T	1.05	0.45	0.37	0.44	0.56	0.79	0.52	0.84	0.79	0.82	0.69	0.73	1.34	0.82	1.03	6.00	5.98	5.81	5.94	2.00	1.42	1.03	12.71	12.73	12.86	12.83	3.84	3.01
NGC 0877	1995ApJS...98..219Y	0.97	0.86	0.84	0.48	0.53	1.86	1.29	1.01	1.43	1.41	0.68	0.79	1.99	1.57	1.01	11.87	11.82	9.36	9.27	2.54	1.80	1.10	25.87	25.56	23.76	24.37	4.14	3.11
NGC 0891	1995ApJS...98..219Y	0.93	5.27	4.84	0.00	1.51	-0.10	2.86	0.90	7.00	6.33	0.00	1.91	3.78	3.04	1.09	68.87	66.46	34.15	36.86	3.59	2.72	0.87	176.34	172.23	137.36	142.77	4.89	3.50
MCG+05-06-036	1988ApJ...335..104M	1.21	0.35	0.34	0.24	0.28	1.06	0.73	1.13	0.79	0.80	0.71	0.74	1.03	0.78	0.97	6.77	6.72	6.55	6.62	1.96	1.45	1.01	11.50	11.34	11.63	11.82	3.79	2.89
NGC 0908	1995ApJS...98..219Y	0.95	1.78	1.74	1.00	1.11	1.80	1.31	0.95	2.22	2.21	1.41	1.44	1.72	1.33	1.04	17.69	17.54	14.67	14.93	2.42	1.69	1.09	52.63	52.35	49.56	51.09	4.03	2.98
UGC 01845	1992ApJS...83...29S	1.00	0.40	0.37	0.35	0.39	0.94	0.73	1.02	0.91	0.87	1.07	1.03	1.00	0.78	0.96	10.03	10.03	10.31	10.34	1.89	1.41	1.09	14.58	14.39	15.51	15.83	3.69	2.85

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
		N/0	zc Jy	tot Jy	temp Jy	peak Jy	W25 ′	W50 ′	N/0	zc Jy	tot Jy	temp Jy	peak Jy	W25 ′	W50 ′	N/0	zc Jy	tot Jy	temp Jy	peak Jy	W25 ′	W50 ′	N/0	zc Jy	tot Jy	temp Jy	peak Jy	W25 ′	W50 ′
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
NGC 0922	1991RC3.9.C...0000d	1.65	0.34	0.33	0.21	0.26	1.49	0.83	1.23	0.74	0.74	0.43	0.48	1.77	1.12	1.00	5.57	5.53	5.03	5.02	2.21	1.58	1.02	9.87	9.89	9.68	9.68	3.92	3.00
NGC 0925	2001ApJ...553...47F	---	0.56	0.48	0.16	0.24	1.69	1.06	---	0.86	0.83	0.00	0.34	-0.10	1.93	---	7.82	7.27	2.92	3.62	-0.10	2.76	---	21.26	21.08	15.38	15.50	5.43	3.96
NGC 0958	1991ApJ...370..158S	1.05	0.65	0.62	0.45	0.47	1.40	1.10	0.99	0.98	0.94	0.51	0.58	1.57	1.15	0.99	5.92	5.85	5.31	5.39	2.17	1.54	1.01	15.75	15.44	15.08	15.24	3.94	3.03
NGC 0972	1995ApJS...98..219Y	0.98	2.05	2.03	1.62	1.64	1.39	0.99	1.01	3.48	3.46	2.76	2.77	1.45	1.02	1.01	33.59	33.52	30.81	31.02	2.15	1.53	1.03	62.31	61.86	59.61	61.81	3.98	2.95
NGC 0986	1991RC3.9.C...0000d	1.00	1.41	1.42	0.85	0.95	1.41	0.95	0.99	3.76	3.65	3.19	3.23	1.19	0.85	1.04	25.15	25.06	23.12	23.83	2.08	1.47	1.03	51.15	51.01	49.88	51.36	3.91	2.90
NGC 0992	1988ApJ...335..104M	1.00	0.56	0.46	0.56	0.54	1.07	0.80	1.07	1.76	1.66	1.27	1.38	1.12	0.81	1.04	11.61	11.40	10.38	10.66	1.97	1.45	1.07	17.53	17.39	16.72	16.58	3.97	3.06
NGC 1022	1995ApJS...98..219Y	0.97	0.69	0.64	0.71	0.74	1.03	0.74	0.97	3.46	3.43	3.28	3.32	1.11	0.84	1.01	20.05	19.99	19.71	19.75	1.97	1.44	1.02	27.50	27.24	27.33	28.16	3.74	2.87
NGC 1055	1991RC3.9.C...0000d	1.02	2.23	2.24	1.32	1.46	1.65	1.09	0.98	2.83	2.84	1.84	2.01	1.55	1.05	1.00	23.48	23.37	21.08	21.34	2.17	1.53	1.09	65.59	65.26	62.05	62.99	4.04	3.04
NGC 1050	1991RC3.9.C...0000d	1.00	0.25	0.19	0.29	0.26	1.06	0.79	1.03	1.41	1.35	1.35	1.31	1.09	0.84	0.96	5.73	5.68	5.62	5.65	1.93	1.44	1.06	9.21	9.03	8.80	9.09	3.82	2.94
NGC 1056	1991RC3.9.C...0000d	1.03	0.36	0.35	0.34	0.36	1.09	0.72	1.02	0.48	0.47	0.48	0.47	1.14	0.88	0.96	5.49	5.41	5.33	5.29	1.95	1.44	1.01	10.22	9.90	10.20	10.21	3.74	2.91
NGC 1068	1995ApJS...98..219Y	1.10	40.58	39.84	36.79	38.48	1.05	0.79	1.04	92.74	91.33	87.57	89.92	1.10	0.80	1.08	198.02	196.37	183.37	186.14	2.06	1.49	1.09	259.78	257.37	241.48	244.52	4.03	3.03
NGC 1083	1992ApJS...83...29S	0.94	0.38	0.35	0.31	0.31	1.14	0.91	1.08	0.78	0.78	0.68	0.72	1.16	0.82	1.08	7.82	7.68	7.28	7.44	1.98	1.44	1.01	12.90	12.82	13.57	13.50	3.82	2.94
NGC 1084	1995ApJS...98..219Y	1.00	1.95	1.96	1.39	1.46	1.48	1.03	1.00	3.35	3.20	2.50	2.60	1.43	0.97	1.00	29.64	29.41	26.32	26.39	2.19	1.59	1.10	58.93	58.64	55.63	56.73	4.04	3.02
UGC 02238	1991RC3.9.C...0000d	0.95	0.28	0.22	0.36	0.33	0.96	0.77	1.03	0.57	0.42	0.68	0.65	0.99	0.75	1.00	8.27	8.25	8.17	8.15	1.92	1.43	1.03	15.53	15.54	15.67	15.73	3.81	2.92
IRAS F02437+2122	1988ApJ...335..104M	---	0.06	-0.03	0.10	0.10	0.59	0.46	0.90	0.84	0.81	0.60	0.63	1.61	0.90	1.07	5.89	5.85	5.90	6.03	1.87	1.37	1.07	7.98	7.01	6.35	6.67	3.99	3.07
NGC 1087	1995ApJS...98..219Y	0.92	1.04	0.97	0.59	0.62	1.82	1.11	0.97	1.44	1.41	0.94	1.00	1.62	1.00	0.99	12.29	12.16	10.66	10.67	2.25	1.61	1.02	29.34	29.17	27.98	28.57	4.06	3.02
NGC 1097	1995ApJS...98..219Y	0.96	3.06	2.96	1.85	2.13	1.19	0.85	0.94	7.55	7.30	5.80	6.30	1.15	0.82	0.97	54.25	53.35	44.96	46.65	2.15	1.54	1.03	106.06	104.79	90.42	91.38	4.38	3.24
NGC 1134	1988ApJ...335..104M	1.08	0.57	0.54	0.55	0.55	1.21	0.81	0.80	1.20	1.07	0.89	0.92	1.21	0.88	1.01	9.27	9.22	9.09	9.08	2.00	1.46	1.02	15.48	15.32	16.43	16.45	3.71	2.91
UGC 02369	1988ApJ...335..104M	1.05	0.26	0.21	0.23	0.25	1.37	0.84	1.07	1.91	1.88	1.44	1.53	1.29	0.90	1.05	8.07	8.07	8.07	8.30	1.90	1.38	1.01	11.03	10.97	11.18	11.46	3.75	2.84
UGC 02403	1991RC3.9.C...0000d	0.84	0.32	0.28	0.27	0.27	1.22	0.91	0.90	0.97	0.94	0.87	0.92	1.08	0.76	1.03	7.85	7.84	7.72	7.76	1.95	1.43	1.02	12.13	12.09	12.06	12.19	3.92	3.01
NGC 1156	1998AJ....115...62H	0.87	0.29	0.26	0.14	0.17	1.89	1.42	0.95	0.60	0.61	0.54	0.55	1.40	0.85	1.11	6.27	6.16	5.18	5.25	2.31	1.63	1.10	12.87	12.12	10.14	10.47	4.46	3.26
UGC 02456	1991RC3.9.C...0000d	0.98	0.41	0.38	0.46	0.45	1.01	0.75	1.02	2.40	2.43	2.35	2.43	1.10	0.80	0.99	11.13	11.01	11.01	11.07	1.93	1.43	1.00	13.84	13.19	12.48	12.33	3.99	3.12
IRAS F02572+7002	1992ApJS...83...29S	1.07	0.29	0.30	0.31	0.28	1.09	0.91	1.02	0.87	0.80	0.82	0.82	1.05	0.79	0.99	6.02	5.66	5.55	5.62	1.98	1.46	0.94	12.50	10.52	8.83	9.09	-0.10	3.40
NGC 1187	1991RC3.9.C...0000d	0.91	0.94	0.91	0.47	0.54	2.11	1.13	1.01	1.88	1.85	1.46	1.52	1.31	0.88	1.01	11.84	11.75	9.83	10.03	2.25	1.60	1.10	26.59	26.44	24.25	24.71	4.19	3.13
NGC 1204	1995ApJS...98..129K	0.96	0.30	0.28	0.25	0.28	1.32	0.72	1.00	1.16	1.10	0.94	1.05	1.00	0.70	0.98	7.50	7.42	7.33	7.54	1.94	1.40	1.03	10.50	10.42	10.18	10.50	3.75	2.88
NGC 1222	1991RC3.9.C...0000d	0.85	0.50	0.51	0.50	0.52	1.03	0.78	1.02	2.25	2.23	2.28	2.30	1.07	0.79	1.02	13.23	13.16	13.06	13.07	1.95	1.45	1.02	14.99	14.93	15.41	15.87	3.73	2.84
NGC 1232	1991RC3.9.C...0000d	1.00	0.88	0.88	0.14	0.32	-0.20	2.50	0.98	1.32	1.21	0.00	0.37	-0.20	-0.20	1.02	8.70	8.37	2.74	3.64	-0.20	3.64	1.02	28.86	28.47	21.45	21.95	5.25	3.80
UGC 02608	1998A&AS..130..333T	1.00	0.41	0.38	0.44	0.43	0.99	0.79	0.95	1.43	1.41	1.45	1.47	1.08	0.80	0.97	8.73	8.34	8.18	8.30	1.95	1.43	1.02	11.43	10.94	11.27	11.59	3.72	2.81
NGC 1266	1993AJ....105.1637H	1.47	0.28	0.25	0.12	0.16	1.70	0.84	1.03	1.13	1.12	1.20	1.21	1.04	0.75	1.02	13.47	13.35	13.13	13.34	1.93	1.42	1.00	17.71	17.54	16.89	17.12	3.91	2.99
NGC 1275	1999ApJS..121..287H	1.07	1.06	1.06	0.99	1.04	0.99	0.76	0.96	3.19	3.13	3.44	3.43	1.02	0.77	0.94	6.96	6.91	6.99	7.10	1.90	1.40	1.04	6.28	6.03	7.20	6.80	3.63	2.84
NGC 1313	1991RC3.9.C...0000d	0.94	0.89	0.78	0.00	0.26	-0.10	2.75	0.71	2.48	2.11	0.00	0.76	-0.20	2.58	0.85	30.71	26.89	12.13	14.44	4.01	2.65	0.69	63.14	54.37	33.65	37.22	6.05	4.18
NGC 1309	1991RC3.9.C...0000d	0.74	0.40	0.36	0.32	0.35	1.37	0.90	1.03	0.63	0.63	0.48	0.51	1.39	0.91	1.06	6.17	6.16	5.76	5.78	2.08	1.51	1.04	14.96	14.90	14.68	14.75	3.91	2.98
IRAS F03217+4022	1992ApJS...83...29S	1.00	0.20	0.14	0.25	0.24	0.90	0.68	1.01	0.83	0.85	0.91	0.92	1.02	0.77	0.96	7.70	7.62	7.47	7.69	1.91	1.41	0.98	10.87	10.57	10.87	10.99	3.80	2.89
NGC 1326	2001ApJ...553...47F	1.02	0.59	0.52	0.33	0.40	1.18	0.82	1.02	0.93	0.93	0.79	0.86	1.12	0.77	0.97	8.35	8.26	8.01	8.15	1.95	1.42	1.01	14.15	14.10	13.99	13.87	3.91	3.03
IC 1953	1991RC3.9.C...0000d	0.81	0.24	0.21	0.18	0.20	1.61	0.96	1.02	1.03	1.04	0.96	0.93	1.23	0.90	1.02	9.00	8.99	8.81	8.83	1.97	1.45	1.00	11.93	11.93	11.97	12.18	3.78	2.91
NGC 1365	2001ApJ...553...47F	1.13	5.12	4.80	3.39	3.73	1.20	0.85	1.09	14.28	13.43	11.23	11.82	1.17	0.83	1.02	98.05	94.31	82.37	86.30	2.09	1.48	0.89	170.71	165.67	145.84	149.77	4.23	3.17
NGC 1377	1991ApJS...75..935d	1.37	0.54	0.56	0.43	0.47	1.17	0.82	1.02	1.89	1.88	1.93	1.93	1.06	0.80	1.01	7.24	7.22	7.43	7.41	1.90	1.42	1.00	6.11	6.02	5.95	6.15	3.85	2.93
NGC 1386	1996ApJ...472...83S	1.02	0.52	0.50	0.52	0.51	1.02	0.83	0.99	1.46	1.45	1.46	1.49	1.07	0.79	1.00	6.01	6.02	5.92	5.86	1.98	1.46	0.98	9.67	9.59	9.55	9.74	3.88	2.91
NGC 1385	1991RC3.9.C...0000d	0.97	1.19	1.17	0.81	0.88	1.48	1.00	0.99	1.99	2.00	1.49	1.58	1.42	0.97	0.99	17.34	17.23	15.62	15.79	2.14	1.54	1.03	37.57	37.41	36.03	37.42	3.95	2.91
IRAS F03359+1523	1991ApJ...370..158S	---	0.11	0.10	0.07	0.12	0.80	0.48	1.14	0.59	0.55	0.65	0.66	0.96	0.71	1.03	6.19	6.11	5.97	6.05	1.93	1.42	1.11	7.87	7.52	6.92	7.27	3.96	3.00
NGC 1406	2001ApJ...553...47F	0.98	1.04	1.00	0.62	0.68	1.57	1.05	1.00	1.39	1.38	1.18	1.17	1.35	0.96	0.97	12.89	12.87	11.85	12.02	2.12	1.51	0.99	28.18	28.09	27.49	28.64	3.91	2.88
NGC 1415	1991RC3.9.C...0000d	0.96	0.53	0.53	0.31	0.35	1.19	0.94	1.04	0.53	0.50	0.55	0.55	1.11	0.80	1.06	5.72	5.68	5.38	5.53	1.98	1.45	1.05	12.64	12.64	12.27	12.22	3.97	3.07
NGC 1421	1995ApJS...98..219Y	0.92	0.81	0.80	0.37	0.47	2.41	1.17	0.98	1.43	1.40	0.48	0.66	2.68	1.72	0.98	10.98	10.95	7.29	7.35	3.06	2.10	0.93	22.61	22.62	20.39	20.67	4.37	3.21
IC 342	1995ApJS...98..219Y	0.63	14.92	7.87	3.46	4.44	1.56	0.92	0.76	34.48	24.99	18.78	20.44	1.15	0.82	0.71	180.80	127.90	87.93	99.26	2.30	1.58	0.59	391.66	294.62	135.80	181.91	-0.10	4.14
NGC 1448	1991RC3.9.C...0000d	1.03	1.12	1.10	0.57	0.64	1.75	1.22	0.95	1.44	1.44	0.84	0.91	1.78	1.25	1.01	10.55	10.32	8.21	8.45	2.42	1.71	1.01	32.68	32.43	30.56	31.71	4.02	2.96
UGC 02855	1995ApJS...98..219Y	0.99	2.99	2.95	1.11	1.50	2.35	1.53	0.99	4.89	4.86	2.58	3.00	1.96	1.14	0.98	42.78	42.21	31.69	32.29	2.62	1.80	0.99	89.63	89.18	80.51	81.89	4.27	3.15
UGC 02865	1992ApJS...83...29S	1.21	0.25	0.22	0.23	0.23	1.22	0.83	0.97	0.68	0.67	0.66	0.65	1.17	0.88	1.01	5.68	5.60	5.31	5.45	2.00	1.46	0.99	11.56	11.24	10.53	10.73	3.97	3.01
UGC 02866	1992ApJS...83...29S	1.00	1.69	1.69	1.59	1.67	1.04	0.78	0.98	6.43	6.37	6.39	6.52	1.06	0.79	1.01	39.69	39.63	39.32	39.92	1.94	1.44	1.00	50.47	50.48	51.07	51.18	3.85	2.94
CGCG 465-012	1988ApJ...335..104M	1.03	0.17	-0.01	0.31	0.30	0.76	0.51	1.00	0.59	0.46	0.75	0.69	1.01	0.78	0.98	5.46	5.43	5.65	5.61	1.91	1.45	0.99	12.71	11.14	7.03	8.95	4.08	3.03
NGC 1482	1991ApJ...370..158S	1.00	1.60	1.58	1.55	1.63	1.04	0.77	0.99	4.73	4.59	4.68	4.85	1.04	0.76	0.94	32.84	32.71	33.36	34.53	1.87	1.33	1.02	47.13	46.64	46.73	48.41	3.76	2.87
IRAS 03582+6012	1992ApJS...83...29S	0.67	0.24	0.18	0.14	0.15	1.07	0.86	0.81	0.89	0.87	0.66	0.70	1.25	0.92	0.98	5.87	5.62	5.61	5.65	1.91	1.44	0.93	11.18	10.03	7.21	7.76	5.68	3.38
NGC 1511	1997AJ....114..913N	1.00	1.21	1.21	0.75	0.82	1.68	1.26	1.00	3.32	3.25	2.24	2.29	1.65	1.20	0.99	25.49	25.38	22.53	22.71	2.23	1.58	0.99	42.08	41.94	40.75	41.83	3.93	2.96
IC 0356	1988ApJS...67....1T	---	1.17	1.08	0.16	0.41	3.64	2.46	---	0.86	0.84	0.00	0.28	3.75	2.69	---	6.84	6.77	3.58	3.88	3.64	2.55	---	28.37	28.33	23.23	23.37	4.86	3.50
UGC 02982	1995ApJS...98..219Y	1.00	0.56	0.56	0.57	0.57	1.06	0.79	0.97	0.78	0.74	0.83	0.82	1.06	0.78	0.96	8.45	8.34	8.39	8.39	1.94	1.44	0.97	17.13	16.78	16.82	16.77	3.84	2.93
NGC 1532	1991RC3.9.C...0000d	---	1.00	0.89	0.20	0.33	-0.10	2.16	---	1.12	1.04	0.00	0.48	-0.10	1.14	---	10.06	9.63	3.32	4.61	-0.10	-0.10	---	31.22	30.61	21.25	22.25	5.71	4.18
ESO 420-G013	1992ApJS...83...29S	1.64	0.95	0.74	0.52	0.59	1.12	0.80	0.96	2.28	2.22	2.10	2.20	1.05	0.77	0.98	13.99	13.84	13.66	13.87	1.93	1.42	1.00	20.98	20.93	20.88	20.99	3.81	2.98
NGC 1546	1991ApJS...75..935d	1.02	0.46	0.46	0.00	0.30	1.79	1.26	1.06	0.75	0.73	0.00	0.63	1.26	0.87	0.97	5.69	5.63	5.40	5.69	1.97	1.38	0.96	20.65	20.49	20.05	21.11	3.76	2.89
IC 2056	1996ApJS..107...97M	0.94	0.50	0.49	0.43	0.47	1.17	0.79	0.99	0.79	0.76	0.66	0.66	1.25	0.90	0.96	6.26	6.25	6.06	6.10	1.98	1.45	0.97	12.67	12.46	12.67	12.73	3.76	2.93
NGC 1559	1991RC3.9.C...0000d	1.06	1.84	1.84	0.92	1.07	1.91	1.43	1.05	3.08	3.05	1.69	1.76	1.94	1.51	1.02	30.38	30.24	24.60	24.43	2.48	1.77	0.99	61.60	61.20	57.25	57.77	4.14	3.12
NGC 1530	1995ApJS...98..219Y	0.99	0.72	0.72	0.40	0.47	1.80	1.03	1.01	1.24	1.23	0.82	0.89	1.55	1.04	0.96	9.97	9.88	8.28	8.40	2.30	1.58	0.98	26.22	25.80	23.26	24.01	4.16	3.05

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 1566	1991RC3.9.C...0000d	0.94	1.95	1.91	0.73	0.97	2.34	1.54	1.03	3.07	3.02	1.21	1.56	2.38	1.62	0.97	23.12	22.53	14.62	15.06	2.96	2.06	0.99	58.72	58.05	48.95	50.12	4.55	3.30
ESO 550-IG02	1992ApJS...83...29S	0.96	0.23	0.22	0.18	0.19	1.38	1.06	0.93	0.55	0.51	0.51	0.53	1.18	0.82	0.97	5.77	5.69	5.41	5.45	2.03	1.49	0.94	9.41	9.40	9.47	9.89	3.78	2.84
NGC 1572	1996ApJS..107...97M	1.05	0.30	0.27	0.23	0.22	1.09	0.87	0.99	0.79	0.79	0.80	0.78	1.12	0.85	0.99	8.05	8.04	8.03	7.91	1.97	1.47	0.98	16.77	16.73	16.81	16.96	3.76	2.94
NGC 1569	1992ApJS...81....5S	0.98	1.25	1.24	0.80	0.85	1.42	1.03	1.01	9.06	9.03	7.37	7.57	1.33	0.93	0.98	54.75	54.36	45.76	46.37	2.32	1.62	0.98	55.84	55.29	52.15	52.84	4.09	3.06
IRAS 04271+3849	1995AJ....110.1993S	0.97	0.30	0.30	0.22	0.23	1.07	0.87	0.81	0.91	0.86	0.74	0.88	1.22	0.66	0.97	6.39	6.37	6.53	6.45	1.91	1.42	0.98	8.96	8.51	10.28	10.36	3.51	2.75
IRAS F04296+2923	1994A&AS..104..529T	1.08	1.36	1.39	1.27	1.27	1.12	0.85	0.95	6.20	6.06	5.90	6.06	1.08	0.79	1.05	42.77	42.73	42.13	42.99	1.96	1.42	1.02	43.30	40.49	48.27	48.29	3.62	2.80
NGC 1614	1995ApJS...98..219Y	0.96	1.41	1.37	1.38	1.40	1.02	0.78	0.96	7.24	7.20	7.50	7.53	1.05	0.78	0.97	32.14	31.99	32.12	32.92	1.91	1.39	0.95	33.47	33.46	34.32	34.80	3.75	2.91
UGC 03094	1993A&AS..102...57B	1.02	0.57	0.53	0.40	0.42	1.21	0.93	1.08	0.75	0.55	0.84	0.73	1.19	0.91	0.95	6.48	6.44	6.35	6.24	2.02	1.49	0.99	13.97	13.66	12.85	13.37	3.86	2.91
ESO 485-G003	1995ApJS...98..129K	0.97	0.38	0.40	0.34	0.34	1.12	0.86	1.00	0.75	0.70	0.69	0.74	1.07	0.76	0.94	6.22	6.20	6.07	6.12	1.96	1.46	0.93	11.37	11.34	11.34	11.59	3.83	2.93
NGC 1637	1998AJ....115...62H	0.97	0.65	0.65	0.36	0.43	2.12	1.02	0.97	1.47	1.47	1.04	1.13	1.38	0.94	1.03	6.63	6.61	5.68	5.75	2.24	1.63	1.09	15.92	15.71	14.67	14.97	4.13	3.10
NGC 1672	1991RC3.9.C...0000d	1.02	2.48	2.47	1.59	1.76	1.43	0.93	0.99	5.36	5.25	4.09	4.30	1.27	0.88	1.02	41.71	41.21	35.70	36.24	2.15	1.54	1.00	78.53	77.92	70.07	71.80	4.25	3.16
ESO 203-IG001	1995AJ....110.1993S	---	0.05	0.04	0.05	0.05	1.25	0.89	1.02	0.50	0.50	0.45	0.46	1.08	0.79	0.98	5.88	5.84	5.86	5.94	1.91	1.41	0.96	5.36	5.34	5.38	5.37	3.76	2.97
NGC 1667	1991ApJ...370..158S	1.07	0.62	0.63	0.43	0.47	1.41	0.97	1.01	0.67	0.59	0.71	0.66	1.24	0.91	1.00	6.29	6.27	5.97	6.03	2.05	1.49	0.90	15.83	15.62	14.92	15.29	3.94	3.00
IC 0391	1991RC3.9.C...0000d	0.68	0.32	0.30	0.23	0.24	1.21	0.97	1.00	0.75	0.74	0.63	0.64	1.30	0.93	0.98	5.94	5.91	5.56	5.64	2.05	1.49	0.96	9.83	9.65	9.74	9.99	3.87	2.88
MCG-05-12-006	1992ApJS...83...29S	1.05	0.20	0.21	0.22	0.25	0.91	0.66	0.92	1.17	1.15	1.21	1.22	1.04	0.77	0.96	8.09	8.06	8.15	8.18	1.92	1.43	0.94	9.95	9.84	9.85	10.34	3.73	2.83
NGC 1691	1991RC3.9.C...0000d	0.92	0.37	0.36	0.23	0.27	0.99	0.75	0.91	1.08	1.05	0.86	0.91	1.09	0.83	0.97	6.77	6.72	6.78	6.90	1.89	1.39	1.02	10.97	10.87	10.53	10.92	3.82	2.89
IC 0398	1992ApJS...83...29S	1.31	0.16	0.10	0.21	0.19	0.97	0.80	0.87	0.62	0.61	0.55	0.53	1.11	0.91	0.98	5.45	5.42	5.63	5.69	1.89	1.39	0.98	10.93	10.82	11.03	11.37	3.71	2.77
NGC 1720	1998A&AS..130..333T	1.15	0.28	0.23	0.31	0.29	1.04	0.82	1.04	0.61	0.53	0.77	0.74	0.96	0.75	0.98	7.12	7.12	7.00	6.96	1.95	1.45	0.98	13.50	13.31	13.30	13.45	3.81	2.91
NGC 1792	1992A&A...264..483D	1.00	3.21	3.18	1.23	1.59	2.28	1.67	1.00	4.36	4.31	1.75	2.20	2.31	1.73	0.97	35.45	35.16	25.42	25.44	2.76	1.97	1.00	86.60	86.15	77.44	79.78	4.31	3.14
NGC 1797	1991RC3.9.C...0000d	1.06	0.30	0.27	0.33	0.34	1.00	0.74	0.96	1.42	1.40	1.35	1.35	1.11	0.82	1.00	9.87	9.63	9.56	9.91	1.92	1.38	0.97	13.30	13.13	12.76	13.21	3.73	2.85
CGCG 468-002	1994A&AS..104..529T	---	0.22	0.14	0.26	0.26	1.04	0.64	---	1.25	1.23	1.16	1.19	1.13	0.83	---	9.93	9.83	9.66	9.69	1.96	1.44	---	14.96	14.59	13.14	13.94	3.97	3.01
NGC 1808	1996A&A...315...71K	0.99	5.42	5.40	4.16	4.48	1.15	0.83	1.02	17.16	17.00	16.04	16.45	1.11	0.81	1.02	106.13	105.55	100.05	101.78	2.02	1.46	0.98	147.83	147.35	141.76	145.53	3.98	2.93
VII Zw 031	1997ApJ...478..144S	0.95	0.15	0.09	0.20	0.20	0.85	0.65	1.00	0.61	0.61	0.62	0.64	1.09	0.77	0.94	5.58	5.54	5.51	5.68	1.94	1.38	0.97	9.64	9.63	10.09	10.36	3.68	2.77
IRAS 05083+2441	1997AJ....113..905P	0.90	0.21	0.16	0.19	0.20	0.97	0.69	1.02	0.82	0.82	0.85	0.88	1.05	0.75	1.03	7.15	6.92	6.56	6.64	1.99	1.48	0.94	9.83	9.10	8.30	8.36	4.10	3.16
NGC 1819	1991RC3.9.C...0000d	---	0.39	0.36	0.29	0.32	1.13	0.79	---	0.83	0.80	0.74	0.75	1.09	0.81	---	7.06	6.94	6.85	6.85	1.92	1.44	---	11.61	11.50	12.05	12.01	3.70	2.90
NGC 1832	1991RC3.9.C...0000d	0.97	0.59	0.58	0.40	0.43	1.66	1.06	0.99	0.87	0.86	0.63	0.64	1.58	1.12	0.95	7.43	7.35	6.50	6.47	2.24	1.61	0.92	18.54	18.32	17.77	18.43	3.96	2.91
IRAS 05129+5128	1995AJ....110.1993S	1.00	0.14	0.11	0.21	0.22	0.81	0.59	1.07	1.05	0.93	0.99	0.99	1.09	0.80	0.99	6.58	6.45	6.56	6.46	1.92	1.45	0.97	7.28	6.93	7.34	7.43	3.72	2.84
IRAS F05170+0535	1992ZCAT..M...0000H	---	0.54	0.50	0.58	0.56	1.02	0.79	---	4.67	4.61	4.50	4.55	1.08	0.80	---	14.67	14.65	14.45	14.64	1.95	1.41	---	8.73	8.56	9.50	9.31	3.71	2.90
IRAS F05187-1017	1992ApJS...83...29S	---	0.00	0.02	0.00	0.00	0.00	0.00	0.90	0.21	0.22	0.19	0.21	1.29	0.77	1.02	5.55	5.50	5.39	5.38	1.96	1.46	0.98	8.07	8.08	8.04	8.02	3.88	3.01
IRAS F05189-2524	1991ApJ...370..158S	1.00	0.71	0.68	0.74	0.73	1.02	0.80	0.99	3.41	3.38	3.47	3.55	1.04	0.77	0.95	13.27	13.23	13.25	13.47	1.91	1.41	0.95	11.90	11.88	11.84	12.19	3.84	2.88
IRAS 05223+1908	1990ApJ...357..388L	1.01	0.95	0.94	0.97	0.97	1.04	0.79	1.01	2.03	1.96	2.06	2.06	1.12	0.80	0.96	6.40	5.94	5.23	5.37	2.18	1.57	0.90	11.99	11.63	11.53	10.69	4.68	3.46
LMC	2001ApJ...553...47F	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
NGC 1964	1991RC3.9.C...0000d	1.01	0.67	0.69	0.48	0.53	1.41	0.89	1.01	1.03	1.02	0.71	0.77	1.37	0.94	0.97	9.27	9.17	7.90	8.06	2.20	1.59	0.98	23.75	23.48	22.15	22.55	4.05	3.06
NGC 1961	1995ApJS...98..219Y	1.64	0.91	0.90	0.54	0.59	1.62	1.09	1.01	1.03	0.99	0.55	0.64	1.86	1.22	1.12	7.21	7.17	6.16	6.23	2.33	1.64	1.08	23.61	23.37	22.07	22.39	4.14	3.10
MCG+08-11-002	1995AJ....110.1993S	0.91	0.53	0.52	0.35	0.37	1.25	0.92	1.03	1.09	1.08	0.93	0.93	1.14	0.87	1.06	14.28	14.26	14.03	14.02	1.97	1.45	0.98	23.69	23.63	24.82	25.26	3.66	2.86
IRAS F05405+0035	1992ApJS...83...29S	---	0.62	0.48	0.28	0.33	1.18	0.85	---	1.80	1.49	0.93	1.04	1.68	0.93	---	9.78	9.21	6.52	7.03	2.86	1.61	---	17.83	16.55	16.93	15.96	4.64	3.37
UGC 03351	1998A&AS..130..333T	1.10	0.55	0.47	0.50	0.48	1.17	0.87	1.06	0.95	0.89	0.86	0.89	1.20	0.84	0.99	14.60	14.55	14.26	14.23	1.98	1.47	1.01	31.51	30.13	29.46	29.98	3.85	2.99
IRAS 05442+1732	1998A&AS..130..333T	0.94	0.50	0.39	0.51	0.50	1.19	0.79	0.95	1.83	1.79	1.70	1.69	1.17	0.84	0.98	10.41	10.35	10.02	10.06	1.99	1.45	0.95	12.86	12.72	12.73	13.27	3.81	2.87
NGC 2076	1991RC3.9.C...0000d	0.92	0.72	0.71	0.50	0.55	1.43	0.96	1.00	0.78	0.76	0.56	0.59	1.25	0.89	1.00	7.08	7.03	6.59	6.47	2.09	1.57	0.95	20.60	20.53	20.46	20.60	3.92	2.95
UGCA 116	1991RC3.9.C...0000d	---	0.35	0.31	0.45	0.41	0.93	0.76	---	1.91	1.88	1.91	1.92	1.08	0.80	---	6.60	6.65	6.57	6.70	1.95	1.43	---	4.73	4.44	5.27	5.21	3.63	2.90
NGC 2139	1991RC3.9.C...0000d	0.78	0.36	0.34	0.28	0.29	1.33	0.97	0.98	0.88	0.86	0.58	0.63	1.59	1.11	0.97	7.12	7.05	6.50	6.53	2.14	1.52	0.93	14.77	14.72	14.05	13.88	4.04	3.15
UGC 03410	1991RC3.9.C...0000d	1.29	0.72	0.71	0.46	0.53	1.22	0.79	1.18	0.95	0.92	0.72	0.79	1.14	0.81	1.14	9.96	9.87	7.81	8.23	2.39	1.54	0.97	23.02	22.98	21.21	21.85	4.13	3.06
ESO 121-G006	1996ApJS..107...97M	0.98	0.58	0.58	0.35	0.39	1.65	1.12	1.03	0.68	0.68	0.50	0.54	1.41	0.94	0.97	6.11	6.11	5.43	5.49	2.19	1.57	0.97	16.10	15.86	15.20	15.47	3.94	3.00
IRAS F06076-2139	1992ApJS...83...29S	---	0.04	0.00	0.06	0.08	0.46	0.29	---	0.62	0.61	0.63	0.63	1.01	0.79	---	6.59	6.49	6.43	6.43	1.93	1.45	---	8.71	8.51	8.47	8.53	3.89	2.97
NGC 2146	1995ApJS...98..219Y	1.00	6.85	6.83	5.93	6.23	1.16	0.83	0.98	18.95	18.81	17.61	17.96	1.14	0.83	1.04	147.77	146.69	139.31	138.07	2.04	1.49	1.02	201.80	200.93	194.05	193.74	3.99	3.05
IC 2163	1991RC3.9.C...0000d	---	1.40	1.37	0.83	0.92	1.69	1.15	---	2.47	2.45	1.70	1.74	1.64	1.12	---	17.81	17.55	14.74	15.23	2.31	1.59	---	40.98	40.85	38.64	39.18	4.07	3.04
IRAS 06164+0311	1997AJ....113.1197H	1.11	1.14	1.06	0.74	0.85	1.13	0.80	0.92	0.92	0.92	0.85	0.88	1.14	0.83	0.96	8.53	8.46	8.34	8.28	2.00	1.48	0.97	22.48	21.99	24.88	24.30	3.62	2.85
UGCA 127	1991RC3.9.C...0000d	---	1.45	1.41	0.91	1.00	1.52	1.06	---	1.62	1.62	1.19	1.23	1.48	1.01	---	17.71	17.61	14.80	14.97	2.32	1.62	---	39.88	39.38	37.47	38.16	4.03	3.02
UGCA 128	1991RC3.9.C...0000d	---	0.55	0.54	0.37	0.41	1.68	0.93	---	0.93	0.93	0.66	0.68	1.45	1.00	---	5.43	5.38	5.01	5.02	2.10	1.52	---	12.60	12.40	11.90	12.19	4.00	3.00
NGC 2221	1992ZCAT..M...0000H	---	0.35	0.30	0.23	0.24	1.22	0.87	---	0.58	0.59	0.56	0.57	1.14	0.82	---	6.41	5.73	4.39	4.90	2.00	1.45	---	13.94	13.20	10.07	10.76	5.26	3.27
ESO 5-G004	1992ApJS...83...29S	0.94	0.65	0.64	0.61	0.61	1.12	0.83	1.00	0.81	0.81	0.75	0.77	1.10	0.82	0.97	7.58	7.53	7.48	7.55	1.96	1.44	0.98	19.25	19.09	19.25	19.18	3.81	2.98
ESO 255-IG007	1991RC3.9.C...0000d	0.97	0.34	0.33	0.32	0.32	1.06	0.83	0.96	1.47	1.47	1.42	1.42	1.13	0.83	0.95	9.14	9.11	9.05	9.15	1.95	1.44	0.97	11.81	11.82	11.85	12.02	3.82	2.94
	ESO 557-G002	---	0.20	0.17	0.11	0.14	1.02	0.70	---	0.80	0.86	0.65	0.75	1.04	0.74	---	7.56	7.42	5.78	6.14	2.71	1.54	---	10.55	10.50	9.49	9.50	4.40	3.19
NGC 2280	1991RC3.9.C...0000d	1.00	0.71	0.68	0.31	0.36	1.81	1.33	0.96	0.88	0.85	0.40	0.48	2.25	1.43	0.91	7.31	7.11	4.90	5.05	2.78	1.89	0.98	18.77	18.78	17.32	17.58	4.18	3.10
NGC 2273	1995ApJS...98..219Y	0.92	0.50	0.49	0.44	0.43	1.26	0.90	1.01	1.31	1.30	1.36	1.35	1.06	0.79	0.97	6.65	6.62	6.41	6.43	1.97	1.46	0.97	10.02	9.84	9.55	9.70	3.78	2.95
IRAS 06478-1111	1995AJ....110.1993S	1.00	0.44	0.45	0.41	0.46	0.95	0.69	1.03	0.65	0.62	0.66	0.65	1.16	0.80	0.97	5.75	5.65	5.96	6.13	1.84	1.35	0.84	6.06	3.01	9.80	8.34	3.06	2.44
UGC 3608	1998A&AS..130..333T	1.05	0.40	0.41	0.32	0.35	1.16	0.84	0.98	1.26	1.19	1.20	1.24	1.07	0.78	0.99	8.18	8.18	8.05	8.15	1.95	1.43	0.98	11.36	11.34	11.33	11.67	3.82	2.90
IRAS F06592-6313	1992ApJS...83...29S	0.88	0.16	0.12	0.14	0.15	1.24	0.91	1.03	0.75	0.73	0.78	0.78	1.09	0.80	0.95	5.61	5.60	5.74	5.76	1.91	1.40	0.97	7.77	7.65	7.52	7.65	3.84	2.94
NGC 2268	1991RC3.9.C...0000d	1.05	0.69	0.69	0.40	0.48	1.32	0.89	1.09	0.72	0.72	0.60	0.63	1.37	0.96	1.00	5.65	5.64	5.08	5.13	2.12	1.51	1.01	15.15	15.07	14.48	14.61	3.95	3.01
AM 0702-601	1992ApJS...83...29S	---	0.44	0.43	0.21	0.25	1.78	1.40	---	1.38	1.37	0.76	0.86	1.83	1.55	---	6.79	6.70	5.46	5.60	2.43	1.67	---	9.35	9.26	8.79	9.09	4.06	2.98

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 2339	1991RC3.9.C...0000d	0.82	0.72	0.70	0.59	0.68	1.28	0.74	1.01	2.42	2.40	2.11	2.18	1.15	0.83	0.92	18.50	18.43	17.60	17.71	2.03	1.50	0.96	32.42	32.38	31.82	31.70	3.92	3.04
NGC 2342	1991RC3.9.C...0000d	1.00	0.46	0.45	0.46	0.47	1.12	0.82	1.58	1.64	1.24	1.01	1.05	1.22	0.83	0.97	14.46	12.47	5.02	7.73	-0.20	1.47	0.95	24.71	24.10	17.64	18.09	5.62	4.37
ESO 491-G020/021	1994A&AS..104..529T	1.02	0.90	0.91	0.68	0.74	1.27	0.82	0.98	2.72	2.70	2.53	2.57	1.12	0.81	0.97	15.90	15.81	15.23	15.30	2.01	1.48	0.98	23.65	23.37	22.85	22.95	3.90	3.03
ESO 492-G002	1992ApJS...83...29S	0.98	0.42	0.41	0.34	0.37	1.15	0.74	1.01	0.79	0.78	0.79	0.79	1.12	0.82	0.97	9.41	8.80	7.64	7.94	2.06	1.50	0.88	16.38	16.30	14.54	14.88	4.07	3.12
NGC 2276	1995ApJS...98..219Y	0.93	1.09	1.07	0.63	0.72	1.62	1.04	0.96	1.66	1.63	1.19	1.25	1.57	1.04	0.94	14.39	14.29	12.17	12.17	2.30	1.66	0.93	30.35	30.25	28.97	29.60	4.00	3.01
NGC 2350	1997AJ....113.1197H	1.04	0.26	0.27	0.25	0.28	0.93	0.68	0.98	0.93	0.87	0.96	0.96	1.04	0.77	0.98	6.00	5.99	6.31	6.25	1.89	1.39	0.97	7.56	7.27	8.45	8.31	3.60	2.83
NGC 2369	1992ApJS...83...29S	0.92	0.81	0.78	0.74	0.74	1.14	0.86	0.99	2.23	2.19	2.20	2.21	1.11	0.81	0.99	20.77	20.71	20.35	20.66	1.96	1.43	1.00	38.27	38.23	38.31	38.95	3.81	2.89
ESO 428-G023	1993A&AS..102...57B	1.12	0.44	0.45	0.35	0.38	1.19	0.79	1.02	1.37	1.36	1.26	1.26	1.13	0.84	0.97	10.03	9.97	9.94	10.08	1.94	1.41	0.99	15.99	15.56	17.69	17.45	3.67	2.89
UGC 03829	1998A&AS..130..333T	1.27	0.34	0.42	0.28	0.30	1.09	0.86	1.09	1.78	1.73	1.33	1.43	1.15	0.83	0.97	7.00	6.93	6.95	7.01	1.90	1.39	0.95	8.68	8.67	8.91	9.01	3.74	2.89
NGC 2397	1996ApJS..107...97M	1.03	0.72	0.73	0.60	0.61	1.29	0.93	0.98	1.09	1.08	0.90	0.92	1.28	0.90	0.96	8.54	8.48	8.04	7.97	2.05	1.50	0.97	18.58	18.51	19.18	19.46	3.82	2.90
ESO 428-G028	1993A&AS..102...57B	0.96	0.45	0.45	0.37	0.39	1.42	0.94	1.01	0.79	0.78	0.53	0.57	1.43	0.96	0.98	6.10	6.10	5.80	5.84	2.07	1.50	0.98	13.86	13.79	14.82	14.90	3.73	2.86
IRAS 07251-0248	1995AJ....110.1993S	---	0.08	0.06	0.05	0.08	1.10	0.31	0.99	0.67	0.66	0.66	0.63	1.13	0.87	0.97	6.67	6.65	6.49	6.65	1.95	1.40	0.96	7.13	6.37	6.35	6.32	3.82	2.99
NGC 2388	1991RC3.9.C...0000d	1.41	0.69	0.47	0.50	0.51	1.00	0.77	1.01	1.99	2.02	1.98	1.99	1.06	0.80	0.96	19.09	17.77	16.07	16.74	1.95	1.44	1.00	29.81	28.99	23.32	24.58	4.80	3.22
NGC 2403	2001ApJ...553...47F	1.02	2.82	2.49	0.00	0.86	-0.20	2.42	0.89	3.57	3.40	1.47	1.86	2.52	1.26	1.01	41.47	37.31	15.51	19.85	-0.20	2.78	1.01	103.34	99.13	66.84	70.24	5.82	4.06
MCG+02-20-003	1992ZCAT..M...0000H	0.74	0.35	0.33	0.26	0.30	1.08	0.74	1.05	0.80	0.74	0.81	0.82	1.08	0.78	1.03	9.21	9.20	9.38	9.34	1.89	1.43	1.04	14.06	12.52	12.27	13.33	3.76	2.81
NGC 2415	1991RC3.9.C...0000d	1.00	0.62	0.61	0.46	0.48	1.23	0.93	1.06	1.24	1.19	0.89	0.96	1.10	0.81	0.99	8.96	8.95	8.75	8.96	1.96	1.43	0.99	13.39	13.38	13.58	14.06	3.81	2.88
NGC 2442	1991RC3.9.C...0000d	1.00	1.62	1.47	0.26	0.53	3.15	2.24	0.93	1.83	1.74	0.00	0.67	-0.20	2.24	0.90	15.43	14.85	7.93	8.50	3.57	2.54	0.95	47.43	46.61	36.09	37.51	5.17	3.67
ESO 163-G011/010	1996ApJS..107...97M	0.87	0.42	0.42	0.40	0.41	1.18	0.85	1.03	0.76	0.75	0.59	0.62	1.38	0.93	0.96	6.32	6.18	5.59	5.68	2.14	1.52	0.97	13.96	13.87	13.27	13.55	3.93	2.96
ESO 209-G009	1991RC3.9.C...0000d	0.99	0.89	0.87	0.43	0.52	2.07	1.36	0.99	1.31	1.29	0.60	0.72	2.18	1.39	0.98	12.24	12.09	8.12	8.37	2.97	1.99	0.95	33.02	31.84	27.77	28.31	4.44	3.26
NGC 2525	1991RC3.9.C...0000d	0.99	0.72	0.68	0.36	0.41	2.06	1.61	1.01	0.91	0.89	0.72	0.71	1.57	1.02	0.94	7.31	7.31	6.53	6.55	2.22	1.57	1.01	17.32	17.23	16.83	17.10	3.94	2.99
NGC 2566	1992A&A...266..150K	1.02	1.27	1.26	0.77	0.88	1.34	0.89	1.00	4.05	4.03	3.49	3.61	1.15	0.83	0.98	24.38	24.33	22.37	22.31	2.07	1.57	0.97	38.37	38.10	37.23	37.33	3.97	3.03
NGC 2613	1991RC3.9.C...0000d	1.03	1.04	1.05	0.90	0.94	1.26	0.89	1.16	1.32	1.22	0.89	0.96	1.38	0.94	0.98	7.50	7.48	6.96	7.02	2.09	1.52	0.94	27.15	26.80	25.86	26.65	3.95	2.98
IRAS F08339+6517	1995ApJS...98..129K	0.96	0.34	0.32	0.25	0.28	1.28	0.83	1.05	1.06	1.04	1.13	1.10	1.07	0.81	0.85	5.81	5.77	5.81	5.80	1.93	1.42	0.94	5.64	5.45	6.48	6.36	3.55	2.79
NGC 2623	1991ApJ...370..158S	0.88	0.24	0.20	0.21	0.24	1.23	0.68	0.98	1.79	1.71	1.81	1.80	1.11	0.81	0.92	24.19	23.99	23.74	24.31	1.96	1.41	0.95	25.87	25.72	25.88	26.38	3.82	2.93
IRAS 08355-4944	1995AJ....110.1993S	1.52	0.64	0.55	0.39	0.41	1.19	0.87	0.97	2.27	2.27	2.27	2.32	1.06	0.78	0.97	9.25	9.23	9.44	9.53	1.86	1.40	0.99	7.37	6.65	8.02	8.42	3.59	2.72
ESO 432-IG006	1992ApJS...83...29S	1.00	0.59	0.58	0.50	0.51	1.17	0.88	0.94	0.87	0.80	0.84	0.82	1.30	0.92	0.99	6.50	6.48	6.25	6.31	2.07	1.47	0.98	8.94	8.90	9.31	9.34	3.76	2.93
NGC 2633	1995ApJS...98..219Y	1.06	0.92	0.86	0.70	0.76	1.21	0.86	1.00	2.49	2.47	2.34	2.43	1.09	0.79	0.93	16.42	16.37	15.98	16.03	1.97	1.47	0.93	26.01	25.81	25.43	25.67	3.93	3.00
NGC 2665	1998A&AS..130..333T	0.97	0.29	0.25	0.29	0.29	1.15	0.86	0.96	1.13	1.13	1.09	1.12	1.15	0.79	0.98	6.72	6.65	6.43	6.47	1.99	1.45	0.97	9.45	9.45	9.62	9.57	3.81	2.93
ESO 563-G028	1998A&AS..130..333T	1.03	0.30	0.24	0.36	0.34	0.96	0.75	1.05	0.81	0.81	0.74	0.79	1.08	0.77	0.95	8.41	8.41	8.21	8.18	1.97	1.47	0.97	16.46	16.27	15.84	16.22	3.86	2.98
NGC 2683	1995ApJS...98..219Y	0.99	1.04	1.05	0.19	0.38	3.37	2.39	0.99	1.15	1.03	0.00	0.39	-0.20	2.47	1.04	9.95	9.70	5.53	5.90	3.37	2.37	1.00	31.06	30.68	24.56	25.43	4.84	3.45
NGC 2681	1995ApJS...98..219Y	1.16	0.45	0.43	0.21	0.29	1.12	0.86	0.98	0.58	0.56	0.58	0.60	1.11	0.79	1.00	7.33	7.31	7.14	7.20	1.93	1.44	0.94	11.05	11.04	11.22	11.37	3.76	2.90
ESO 60-IG016	1981A&AS...46...57W	0.94	0.30	0.29	0.11	0.15	-0.10	0.92	0.99	0.74	0.73	0.68	0.68	1.14	0.85	0.97	5.77	5.71	5.71	5.68	1.94	1.45	0.96	5.72	5.66	6.12	6.18	3.70	2.86
NGC 2706	1998A&AS..130..333T	0.98	0.56	0.56	0.39	0.40	1.44	1.12	1.00	0.59	0.42	0.65	0.57	1.20	0.96	0.96	6.66	6.64	6.27	6.34	2.06	1.47	0.99	14.43	14.38	14.01	14.29	3.90	2.94
IRAS F08572+3915	1997ApJ...478..144S	0.97	0.32	0.29	0.33	0.33	1.03	0.77	0.96	1.87	1.81	1.76	1.81	1.08	0.78	0.95	7.33	7.32	7.30	7.51	1.91	1.40	0.94	4.98	4.75	4.77	5.00	3.65	2.77
ESO 564-G011	1992ApJS...83...29S	0.96	0.53	0.52	0.30	0.35	1.89	0.90	0.95	1.36	1.37	1.32	1.34	1.08	0.80	0.94	9.11	9.07	8.95	9.00	1.94	1.43	0.96	11.46	11.42	11.41	11.81	3.91	2.89
IRAS 09022-3615	1992ApJS...83...29S	1.00	0.18	0.17	0.20	0.19	1.04	0.80	1.03	1.12	1.08	1.19	1.19	1.04	0.78	0.97	11.46	11.32	11.64	11.66	1.90	1.41	0.97	10.73	10.00	11.08	10.89	3.62	2.88
NGC 2748	1995ApJS...98..219Y	0.95	0.61	0.60	0.43	0.44	1.56	1.02	0.96	0.88	0.87	0.66	0.68	1.46	1.00	1.01	8.07	8.02	7.07	7.16	2.21	1.55	0.92	18.17	18.11	17.88	18.11	3.93	2.96
UGCA 150	1998A&AS..130..333T	---	0.71	0.64	0.27	0.33	2.07	1.53	---	0.73	0.73	0.35	0.40	1.95	1.36	---	6.09	6.03	4.15	4.29	2.87	1.95	---	20.99	20.65	17.84	18.42	4.42	3.23
NGC 2782	1995ApJS...98..219Y	0.90	0.65	0.64	0.44	0.47	1.24	0.90	0.96	1.47	1.48	1.51	1.54	1.08	0.79	0.96	9.26	9.21	9.17	9.46	1.93	1.38	0.94	13.84	13.85	13.76	14.17	3.78	2.86
IRAS F09111-1007	1990A&A...236..327M	1.00	0.16	0.11	0.15	0.15	1.36	1.16	1.30	0.84	0.74	0.51	0.55	1.41	0.93	0.94	6.92	6.92	6.75	6.92	2.00	1.43	0.97	11.88	11.26	10.68	10.82	3.91	3.06
NGC 2785	1992ApJS...81....5S	0.94	0.57	0.55	0.49	0.51	1.19	0.86	1.06	1.20	1.14	1.09	1.14	1.03	0.77	0.91	8.71	8.69	8.40	8.57	1.99	1.46	0.94	16.00	15.92	15.79	16.07	3.78	2.92
ESO 126-G002	1995AJ....110.1993S	1.10	0.53	0.50	0.54	0.59	1.05	0.70	0.99	1.97	1.96	2.04	2.01	1.06	0.80	0.98	11.88	11.67	11.61	11.68	1.92	1.43	0.95	14.89	14.73	15.39	15.42	3.71	2.91
UGC 04881	1991ApJ...370..158S	0.88	0.11	0.05	0.14	0.14	1.05	0.48	0.98	0.54	0.51	0.61	0.63	1.02	0.72	0.93	6.42	6.34	6.07	6.16	2.02	1.46	1.01	10.31	10.32	10.33	10.84	3.72	2.84
NGC 2798	1995ApJS...98..219Y	0.95	0.74	0.71	0.76	0.79	0.99	0.73	0.99	3.21	3.19	3.21	3.29	1.06	0.78	0.93	20.59	20.57	20.60	20.99	1.94	1.39	0.95	29.34	29.23	29.69	30.01	3.73	2.91
NGC 2856	1983ApJS...52...89H	1.03	0.39	0.37	0.35	0.38	1.06	0.80	0.99	0.92	0.92	0.94	0.96	1.05	0.77	0.93	7.83	5.98	5.27	5.73	1.96	1.42	0.99	16.32	13.21	8.90	10.15	-0.20	3.31
NGC 2903	1995ApJS...98..219Y	1.06	5.29	5.01	1.08	1.95	3.36	2.48	1.14	8.64	8.15	2.80	4.09	3.01	1.06	1.01	62.98	60.54	33.74	36.61	3.51	2.28	0.89	133.71	130.43	101.09	105.70	5.08	3.55
UGC 05101	1997ApJ...478..144S	0.96	0.35	0.35	0.23	0.25	1.35	0.98	0.94	1.11	1.09	1.02	1.06	1.11	0.79	0.90	11.64	11.56	11.68	11.99	1.84	1.35	0.94	20.52	20.20	19.91	20.63	3.76	2.82
MCG+08-18-013	1992ApJS...83...29S	1.00	0.16	0.15	0.10	0.15	0.93	0.56	0.96	0.76	0.74	0.75	0.75	1.07	0.79	0.89	5.67	5.65	5.68	5.75	1.85	1.40	0.95	8.80	8.67	8.42	8.62	3.82	2.92
ESO 091-G016	1995AJ....110.1993S	1.03	0.30	0.24	0.31	0.31	1.17	0.77	0.99	0.80	0.79	0.79	0.81	1.06	0.79	0.97	6.63	6.62	6.63	6.69	1.93	1.43	0.94	9.77	9.76	10.11	10.19	3.83	2.93
NGC 2967	1991RC3.9.C...0000d	1.02	0.71	0.64	0.37	0.40	1.91	1.24	1.20	1.09	0.96	0.49	0.57	1.80	1.25	0.98	5.74	5.69	4.91	4.89	2.30	1.63	0.96	13.85	13.49	14.48	14.24	3.86	2.96
NGC 2966	1991RC3.9.C...0000d	1.84	0.49	0.46	0.22	0.30	1.36	0.88	0.95	0.80	0.78	0.80	0.82	1.16	0.82	0.93	5.40	5.38	5.36	5.59	1.94	1.35	0.95	8.25	7.71	8.24	8.38	3.69	2.85
NGC 2964	1995ApJS...98..219Y	1.08	0.85	0.82	0.69	0.70	1.31	0.90	1.05	1.99	1.92	1.48	1.58	1.34	0.90	0.97	12.55	12.48	12.07	12.21	2.02	1.46	1.05	25.83	25.73	25.42	25.63	3.92	2.99
NGC 2976	1995ApJS...98..219Y	1.02	0.94	0.92	0.47	0.55	1.92	1.33	1.01	1.74	1.71	0.90	1.05	1.96	1.30	1.03	13.13	13.09	10.26	10.05	2.57	1.88	0.97	34.97	34.96	33.43	33.99	4.07	3.02
NGC 2992	1991RC3.9.C...0000d	---	0.65	0.63	0.49	0.50	1.10	0.85	---	1.67	1.47	1.30	1.38	1.10	0.80	---	12.95	12.48	5.74	7.51	3.54	2.99	---	17.47	17.22	13.94	15.25	5.08	3.09
NGC 2993	1991RC3.9.C...0000d	1.40	0.63	0.56	0.40	0.45	1.00	0.77	0.96	2.47	2.44	1.46	1.61	1.06	0.78	0.98	11.47	11.33	10.27	10.58	2.02	1.47	1.36	23.41	23.07	18.76	19.29	5.00	3.59
IC 0563/4	1976RC2...C...0000d	0.85	0.49	0.46	0.00	0.27	1.29	0.82	1.04	0.55	0.54	0.00	0.40	1.15	0.71	0.98	5.30	5.26	2.55	2.91	3.48	2.91	0.98	12.32	12.18	10.36	10.75	4.70	3.38
NGC 2985	1993A&AS...99..379O	1.03	0.94	0.90	0.41	0.49	2.13	1.30	0.93	0.87	0.86	0.46	0.52	1.99	1.24	0.97	6.36	6.31	5.28	5.33	2.34	1.66	1.03	21.31	21.28	19.88	20.10	4.11	3.11
NGC 3059	1991RC3.9.C...0000d	0.95	1.07	1.06	0.51	0.61	2.05	1.25	0.99	1.64	1.62	1.00	1.09	1.75	1.07	0.96	13.58	13.52	10.64	10.75	2.47	1.72	0.95	30.73	30.51	28.59	29.16	4.14	3.06
NGC 3044	1991RC3.9.C...0000d	1.03	0.61	0.60	0.53	0.59	1.11	0.77	0.96	1.03	0.88	1.11	1.05	1.18	0.83	0.92	9.88	9.79	9.64	9.96	1.93	1.39	0.92	19.36	19.33	19.38	19.72	3.77	2.93
NGC 3031	2001ApJ...553...47F	1.00	3.66	2.45	0.71	1.06	3.92	1.18	1.00	3.20	2.04	0.73	1.02	3.47	1.06	1.00	23.89	17.51	7.34	9.92	-0.10	2.12	1.00	81.67	68.73	29.46	37.68	-0.10	5.73

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 3034	2001ApJ...553...47F	1.11	79.43	74.09	53.62	58.24	1.32	0.90	1.17	332.63	314.39	276.23	284.79	1.19	0.85	1.13	1522.01	1480.42	1303.72	1365.33	2.15	1.50	1.01	1412.46	1373.69	1194.85	1171.61	4.38	3.40
IC 2522	1991RC3.9.C...0000d	---	0.45	0.43	0.30	0.34	1.52	0.96	---	0.64	0.64	0.34	0.38	2.15	1.47	---	6.47	5.11	4.22	4.49	2.26	1.55	---	18.06	15.96	10.79	12.96	-0.20	3.08
NGC 3067	1991RC3.9.C...0000d	0.94	0.57	0.53	0.60	0.58	1.08	0.84	1.12	1.16	1.17	1.02	1.08	1.18	0.83	0.94	9.00	8.96	8.91	9.07	1.90	1.38	0.94	17.99	17.98	18.11	18.64	3.83	2.88
UGC 5376	1990ApJS...72..245S	0.94	0.25	0.21	0.29	0.31	0.94	0.68	0.94	0.52	0.48	0.62	0.62	1.00	0.74	0.90	5.27	5.27	5.36	5.30	1.93	1.46	0.91	11.21	10.68	10.41	10.67	3.86	2.99
NGC 3095	1991RC3.9.C...0000d	0.91	0.43	0.40	0.38	0.40	1.40	0.81	1.00	1.00	1.00	0.91	0.93	1.19	0.84	1.06	8.58	8.57	8.33	8.47	2.02	1.46	0.98	16.58	16.31	16.22	16.70	3.78	2.88
NGC 3079	1995ApJS...98..219Y	0.97	2.60	2.54	1.30	1.51	1.94	1.16	1.01	3.65	3.61	2.16	2.40	1.77	1.05	1.01	50.95	50.67	43.56	44.54	2.23	1.57	1.01	105.18	104.69	97.30	99.40	4.13	3.09
NGC 3094	1988ApJ...335..104M	0.96	0.81	0.80	0.82	0.84	1.03	0.76	0.99	2.99	2.97	2.89	3.02	1.10	0.78	0.94	10.90	10.84	10.88	11.12	1.87	1.38	0.92	14.02	13.92	13.89	14.17	3.81	2.95
NGC 3077	1995ApJS...98..219Y	1.04	0.78	0.76	0.56	0.61	1.29	0.85	0.93	1.97	1.97	1.88	1.96	1.11	0.79	1.08	16.09	15.90	14.88	15.18	2.03	1.46	0.99	26.62	26.53	25.12	25.32	4.03	3.06
NGC 3110	1991ApJ...370..158S	1.02	0.68	0.66	0.58	0.59	1.12	0.84	1.03	1.45	1.32	1.07	1.13	1.22	0.87	0.97	12.59	12.48	10.90	11.28	2.07	1.47	0.96	23.19	23.16	21.93	22.27	3.99	3.04
IC 2545	1991RC3.9.C...0000d	0.88	0.30	0.27	0.28	0.28	1.04	0.80	1.00	1.06	1.02	1.21	1.22	1.00	0.74	0.97	10.00	9.89	9.79	10.13	1.89	1.36	1.04	9.35	8.82	9.02	9.67	3.67	2.65
NGC 3125	1989ESOLV.C...0000L	---	0.31	0.31	0.20	0.26	0.99	0.64	---	0.65	0.67	0.74	0.76	1.03	0.73	---	5.46	5.33	4.94	5.10	1.98	1.45	---	7.57	6.55	6.67	6.73	3.89	2.85
IC 2554	1991RC3.9.C...0000d	1.00	1.12	1.10	0.95	0.99	1.17	0.87	0.95	2.81	2.81	2.71	2.73	1.11	0.81	0.98	17.74	17.60	16.96	17.26	1.99	1.44	0.96	35.32	34.84	32.93	34.06	3.97	3.00
NGC 3166	1991RC3.9.C...0000d	0.88	0.40	0.33	0.29	0.32	1.18	0.79	0.76	0.34	0.32	0.32	0.33	1.10	0.87	0.95	6.10	6.02	5.78	5.89	1.97	1.42	0.94	13.73	13.53	13.25	13.55	3.81	2.93
NGC 3169	1995ApJS...98..219Y	0.94	1.22	1.15	0.55	0.66	2.13	1.16	1.02	0.94	0.94	0.45	0.58	1.74	1.16	0.98	7.93	7.88	6.56	6.59	2.30	1.62	1.01	22.13	22.06	20.47	21.02	4.14	3.04
NGC 3175	1998A&AS..130..333T	0.99	1.08	1.06	0.63	0.68	1.75	1.17	1.01	1.68	1.67	1.21	1.24	1.56	1.07	0.96	13.73	13.70	12.14	12.16	2.23	1.58	1.02	33.21	32.64	31.49	32.01	3.99	3.01
NGC 3147	1995ApJS...98..219Y	2.10	1.95	0.99	0.54	0.61	1.81	1.23	0.95	1.04	1.03	0.71	0.75	1.61	1.16	0.97	8.25	8.17	7.11	7.04	2.29	1.66	0.99	29.91	29.61	27.92	28.16	4.09	3.12
NGC 3177	1991RC3.9.C...0000d	1.00	0.67	0.66	0.54	0.58	1.12	0.81	1.04	1.35	1.30	1.06	1.16	1.08	0.77	0.93	9.28	9.25	9.20	9.22	1.94	1.42	0.94	16.75	16.64	16.78	17.41	3.79	2.88
NGC 3184	1991RC3.9.C...0000d	0.82	1.00	0.93	0.11	0.29	-0.20	2.87	0.81	1.38	1.32	0.25	0.49	3.86	1.96	0.98	8.96	8.72	3.20	4.03	4.40	3.38	0.98	28.76	28.58	21.29	21.73	5.34	3.87
NGC 3198	2001ApJ...553...47F	0.96	0.74	0.71	0.21	0.31	3.03	1.73	1.86	1.14	1.08	0.46	0.61	2.77	0.98	0.96	7.48	7.15	3.97	4.49	3.45	2.06	1.00	18.69	18.44	14.03	14.36	5.18	3.71
IRAS F10173+0828	1991ApJ...370..158S	---	0.19	0.19	0.08	0.15	1.44	0.33	0.82	0.55	0.55	0.42	0.53	1.39	0.71	0.92	5.62	5.59	5.61	5.71	1.88	1.39	0.98	5.54	5.50	5.86	5.92	3.70	2.82
NGC 3221	1991ApJ...370..158S	0.90	0.55	0.52	0.41	0.41	1.58	1.04	1.02	0.93	0.93	0.76	0.81	1.28	0.86	1.04	7.77	7.72	7.10	7.30	2.12	1.50	0.96	19.46	19.36	18.76	19.35	3.94	2.92
NGC 3227	1991RC3.9.C...0000d	1.01	0.95	0.94	0.63	0.70	1.50	0.88	0.99	1.88	1.76	1.83	1.78	1.09	0.82	1.01	8.45	8.42	7.55	7.44	2.15	1.59	0.94	17.93	17.92	17.30	17.23	3.96	3.03
ESO 500-G034	1983ApJS...52...89H	1.36	0.37	0.38	0.29	0.32	1.01	0.79	1.19	1.45	1.43	1.21	1.31	1.07	0.77	0.96	10.76	10.76	10.46	10.43	1.97	1.47	1.02	15.34	15.31	16.01	16.33	3.71	2.86
ESO 317-G023	1991RC3.9.C...0000d	1.03	0.36	0.29	0.34	0.34	1.30	0.93	1.10	0.81	0.78	0.89	0.87	1.09	0.78	1.00	14.02	13.97	13.83	13.91	1.96	1.43	0.97	24.73	24.01	23.08	23.71	3.86	2.98
NGC 3256	1991RC3.9.C...0000d	1.00	3.66	3.57	3.35	3.47	1.05	0.78	0.94	16.03	15.83	15.69	15.93	1.09	0.79	1.03	103.57	102.63	97.73	97.13	2.05	1.51	1.00	115.06	115.07	114.31	115.90	3.83	2.94
NGC 3263	1991RC3.9.C...0000d	1.04	0.50	0.43	0.53	0.52	1.08	0.76	1.00	0.89	0.87	0.91	0.92	1.08	0.79	0.98	8.69	8.62	8.59	8.51	1.96	1.47	1.06	20.22	19.90	19.00	19.83	3.90	2.93
NGC 3278	1992ApJS...83...29S	1.05	0.59	0.59	0.45	0.49	1.23	0.87	1.06	0.91	0.83	0.73	0.73	1.23	0.92	0.95	7.13	7.10	6.73	6.80	2.00	1.46	1.00	14.48	14.41	14.66	14.98	3.72	2.85
NGC 3281	1998A&AS..130..333T	0.93	0.96	0.89	0.91	0.88	1.15	0.91	1.00	2.53	2.50	2.63	2.61	1.05	0.79	0.97	6.86	6.83	6.73	6.85	1.91	1.41	1.01	7.52	7.42	7.89	8.13	3.64	2.81
NGC 3294	1991RC3.9.C...0000d	0.99	0.88	0.86	0.57	0.65	1.24	0.87	0.92	0.78	0.77	0.69	0.67	1.29	0.97	0.93	6.31	6.26	5.98	6.04	2.03	1.48	0.93	16.80	16.80	16.58	16.70	3.93	2.99
NGC 3310	1990ApJ...362..473T	0.94	1.59	1.54	1.15	1.26	1.23	0.84	1.01	5.34	5.32	4.87	4.95	1.18	0.85	1.01	34.83	34.56	32.37	32.56	2.08	1.49	0.92	46.27	45.78	44.19	45.05	3.97	2.99
NGC 3344	1995ApJS...98..219Y	1.05	1.04	1.01	0.32	0.48	2.48	1.66	1.02	1.35	1.19	0.48	0.64	2.67	1.29	1.05	9.90	9.71	5.39	5.87	3.42	2.29	1.05	29.51	28.92	22.92	23.72	4.91	3.50
ESO 264-G036	1991RC3.9.C...0000d	0.86	0.42	0.40	0.36	0.40	1.07	0.75	0.96	0.63	0.67	0.67	0.67	1.10	0.80	1.00	6.10	6.00	6.07	6.08	1.93	1.45	1.02	14.16	12.99	13.37	13.82	3.72	2.83
NGC 3351	2001ApJ...553...47F	0.97	1.09	1.04	0.65	0.75	1.55	0.92	0.98	2.89	2.79	2.07	2.19	1.20	0.87	0.99	19.85	19.66	17.63	17.95	2.07	1.49	1.05	41.32	41.10	36.66	37.18	4.26	3.19
NGC 3359	1995ApJS...98..219Y	1.02	0.44	0.44	0.15	0.21	1.87	1.44	0.92	0.58	0.54	0.28	0.32	1.62	1.20	1.04	6.59	6.49	4.25	4.57	2.93	1.85	1.02	17.39	17.16	14.53	14.86	4.49	3.25
NGC 3367	1988ApJ...335..104M	1.04	0.51	0.39	0.51	0.49	1.13	0.86	1.36	1.98	1.67	1.12	1.28	1.47	0.88	1.06	6.49	6.44	5.82	5.84	2.15	1.55	1.08	13.92	13.77	13.48	13.60	3.95	3.01
NGC 3368	2001ApJ...553...47F	0.99	1.01	0.98	0.49	0.60	1.74	1.18	0.96	0.58	0.51	0.52	0.51	1.30	1.07	0.98	10.70	10.51	9.10	9.36	2.14	1.52	1.04	31.71	31.63	28.63	29.20	4.14	3.09
NGC 3395/6	1991RC3.9.C...0000d	1.09	0.47	0.47	0.22	0.27	1.93	1.39	1.04	1.47	1.47	0.69	0.84	2.02	1.60	1.01	10.94	10.92	8.20	8.03	2.68	1.99	1.02	17.90	17.83	16.46	16.56	4.21	3.14
NGC 3424	1997AJ....114...77N	0.98	0.47	0.43	0.52	0.49	1.03	0.80	1.01	0.93	0.86	0.92	0.95	1.02	0.75	0.98	8.57	8.47	8.44	8.55	1.94	1.42	0.94	17.32	17.10	17.05	17.29	3.80	2.92
NGC 3432	1991RC3.9.C...0000d	0.96	0.29	0.25	0.08	0.12	1.80	0.90	1.10	0.48	0.43	0.17	0.23	2.48	1.60	0.98	8.63	8.42	4.62	4.94	3.44	2.48	0.97	16.04	16.01	13.06	13.50	4.87	3.43
NGC 3437	1995ApJS...98..219Y	0.96	0.71	0.68	0.54	0.67	0.87	0.61	1.13	1.34	1.35	1.23	1.28	1.11	0.82	0.90	11.23	11.18	10.91	11.16	1.93	1.42	0.98	20.17	20.15	20.29	20.18	3.89	2.99
NGC 3448	1991RC3.9.C...0000d	0.92	0.22	0.15	0.22	0.19	1.27	0.88	0.96	0.74	0.66	0.64	0.64	1.26	0.89	1.07	6.67	6.64	6.26	6.45	2.02	1.47	0.96	11.48	11.40	11.17	11.54	3.87	2.96
NGC 3471	1991RC3.9.C...0000d	0.94	0.37	0.35	0.33	0.37	1.05	0.74	1.04	1.27	1.26	1.19	1.22	1.07	0.79	0.97	8.42	8.42	8.31	8.28	1.95	1.44	0.95	11.71	11.66	12.21	12.42	3.75	2.86
IRAS F10565+2448	1997ApJ...478..144S	0.95	0.14	0.07	0.20	0.17	0.87	0.72	1.05	1.35	1.27	1.15	1.19	1.03	0.77	0.97	12.30	12.18	12.10	12.07	1.96	1.45	0.93	15.63	15.52	15.01	15.27	3.89	3.00
ESO 264-G057	1992ApJS...83...29S	1.13	0.30	0.30	0.34	0.32	1.02	0.77	0.94	0.85	0.83	0.81	0.81	1.11	0.82	0.94	6.00	5.84	5.69	5.74	1.98	1.44	0.89	13.98	13.00	11.65	12.16	4.05	3.09
ESO 093-G003	1995AJ....110.1993S	0.99	0.68	0.67	0.55	0.56	1.41	0.92	1.01	0.98	1.00	0.87	0.89	1.21	0.84	0.95	10.15	10.05	9.56	9.57	1.99	1.47	0.94	16.57	16.29	17.89	17.36	3.71	2.94
NGC 3486	1991RC3.9.C...0000d	1.00	0.65	0.62	0.29	0.35	1.82	1.40	0.75	0.31	0.24	0.25	0.24	1.74	1.38	1.00	6.30	6.26	4.53	4.61	2.66	1.82	1.03	16.50	16.42	14.86	15.18	4.23	3.10
NGC 3504	1995ApJS...98..219Y	0.98	1.11	1.04	1.11	1.12	1.02	0.77	0.96	4.18	4.03	3.70	3.78	1.12	0.82	0.94	21.93	21.89	21.43	21.76	1.98	1.41	0.95	34.21	34.15	34.05	34.86	3.85	2.93
NGC 3508	1991RC3.9.C...0000d	0.95	0.53	0.52	0.36	0.38	1.51	0.93	1.02	0.72	0.52	0.91	0.81	1.01	0.78	0.93	7.13	7.07	6.82	6.79	2.03	1.50	1.06	14.30	14.07	13.90	14.43	3.86	2.83
NGC 3511	1991RC3.9.C...0000d	1.16	1.03	1.03	0.54	0.63	1.83	1.23	1.02	0.85	0.83	0.52	0.55	1.93	1.18	1.05	9.08	8.98	6.73	6.89	2.60	1.81	0.97	21.98	21.87	20.26	20.61	4.16	3.08
MCG+07-23-019	1991ApJ...370..158S	1.67	0.22	0.20	0.12	0.19	0.79	0.52	1.92	0.73	0.71	0.35	0.44	1.84	0.87	0.92	6.47	6.45	6.38	6.46	1.95	1.43	0.94	10.11	10.10	10.30	10.68	3.78	2.81
NGC 3521	1995ApJS...98..219Y	1.01	5.24	5.04	1.36	2.01	2.75	2.03	0.99	5.65	5.46	0.00	2.08	2.95	2.23	1.05	49.78	49.19	30.18	31.47	3.17	2.22	0.99	123.06	121.76	102.04	105.59	4.66	3.34
ESO 265-G007	1996ApJS..107...97M	1.00	0.56	0.54	0.42	0.42	1.45	1.10	0.99	0.83	0.84	0.61	0.63	1.54	1.10	0.99	6.44	6.45	5.93	5.93	2.10	1.53	1.07	17.42	17.38	17.78	17.58	3.92	3.04
ESO 215-G031	1989ESOLV.C...0000L	0.87	0.35	0.36	0.33	0.36	1.19	0.83	1.00	0.74	0.73	0.72	0.75	1.06	0.77	0.98	5.32	5.26	5.38	5.33	1.94	1.44	1.04	10.49	10.22	10.12	10.11	3.80	2.95
NGC 3568	1991RC3.9.C...0000d	1.22	1.02	0.93	0.32	0.46	2.55	1.27	1.02	1.08	1.05	0.69	0.74	1.68	1.05	1.07	8.07	8.03	7.13	7.17	2.23	1.58	1.03	16.75	16.23	15.95	16.40	3.99	2.95
NGC 3556	1995ApJS...98..219Y	0.98	2.34	2.29	0.68	0.99	2.93	1.79	1.00	4.27	4.19	2.01	2.44	2.16	1.16	0.98	32.88	32.55	23.56	24.30	2.73	1.77	0.97	77.38	76.90	65.05	66.46	4.62	3.32
NGC 3583	1995ApJS...98..219Y	0.88	0.64	0.60	0.51	0.56	1.29	0.84	1.04	0.80	0.79	0.77	0.76	1.23	0.90	1.03	7.43	7.43	6.96	6.88	2.09	1.56	0.92	18.61	18.52	17.92	18.14	3.94	3.00
NGC 3593	1995ApJS...98..219Y	1.03	1.48	1.52	1.32	1.40	1.22	0.82	1.05	1.86	1.85	1.96	2.02	0.99	0.75	1.01	18.98	18.90	18.47	18.63	1.99	1.45	1.01	37.04	36.92	36.44	37.50	3.89	2.93
NGC 3597	1992ApJS...83...29S	0.94	0.69	0.67	0.55	0.61	1.09	0.78	1.11	2.18	2.01	1.98	1.98	1.10	0.81	1.01	13.03	12.97	12.84	12.80	1.95	1.46	1.02	16.70	16.39	16.21	16.43	3.75	2.93
NGC 3620	1995AJ....110.1993S	1.03	1.31	1.29	1.12	1.18	1.12	0.82	0.98	4.78	4.74	4.50	4.55	1.12	0.83	0.98	46.98	46.77	45.75	46.31	1.97	1.44	0.97	68.25	67.05	67.17	67.92	3.84	2.94
NGC 3621	2001ApJ...553...47F	1.02	3.53	3.17	0.83	1.26	2.69	2.01	0.87	4.44	3.85	0.89	1.58	2.84	2.18	0.99	30.50	29.32	17.76	18.52	3.18	2.27	0.86	78.80	77.34	62.84	65.22	4.68	3.35

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 3627	2001ApJ...553...47F	0.97	5.02	4.82	0.98	1.83	3.23	2.02	1.09	8.55	7.89	0.00	2.93	3.22	2.29	0.98	68.15	66.31	38.83	41.60	3.27	2.31	0.99	138.53	136.56	111.66	114.60	4.79	3.39
NGC 3628	2001ApJ...553...47F	1.03	3.20	3.13	2.63	2.77	1.20	0.84	0.95	5.02	4.94	4.85	4.79	1.14	0.85	1.06	55.07	54.80	52.15	53.60	2.02	1.43	1.00	108.90	108.36	105.76	107.51	3.90	2.96
NGC 3631	1995ApJS...98..219Y	0.95	1.11	1.07	0.46	0.60	2.46	1.20	1.01	1.52	1.45	0.64	0.79	2.44	1.28	1.01	9.74	9.71	7.23	7.35	2.67	1.83	1.03	27.74	27.64	25.14	25.74	4.31	3.16
CGCG 011-076	1992ApJS...83...29S	1.33	0.48	0.48	0.28	0.30	1.30	0.97	1.10	0.82	0.68	0.76	0.76	1.11	0.79	1.08	5.93	5.85	5.49	5.57	2.00	1.46	1.03	9.48	9.47	9.18	9.04	3.95	3.07
NGC 3655	1991RC3.9.C...0000d	0.97	0.72	0.67	0.56	0.58	1.47	0.95	1.01	1.17	1.15	0.83	0.93	1.40	0.81	1.06	8.54	8.48	8.01	8.09	2.05	1.48	1.01	20.56	20.34	19.75	20.59	3.94	2.87
NGC 3672	1995ApJS...98..219Y	1.03	1.02	1.01	0.41	0.51	2.11	1.71	0.94	1.01	0.95	0.40	0.49	2.49	1.46	1.00	9.35	9.23	7.02	7.14	2.62	1.76	1.03	26.03	25.69	22.94	23.61	4.27	3.15
IC 2810	1991ApJ...370..158S	---	0.18	0.12	0.14	0.18	0.74	0.56	1.07	0.72	0.75	0.62	0.69	1.07	0.75	1.11	6.24	6.20	6.20	6.19	1.89	1.43	1.06	10.38	10.39	10.39	10.48	3.79	2.91
NGC 3675	1995ApJS...98..219Y	0.92	1.44	1.43	0.55	0.73	2.34	1.58	1.01	1.72	1.67	0.66	0.85	2.59	1.53	0.97	10.51	10.48	8.18	8.24	2.55	1.77	1.05	36.77	36.56	33.03	33.29	4.33	3.19
NGC 3683	1998A&AS..130..333T	0.97	1.15	1.16	1.04	1.11	1.03	0.77	0.98	1.54	1.51	1.48	1.52	1.05	0.78	0.98	14.31	14.23	13.87	14.07	1.99	1.44	0.94	29.65	29.59	29.30	29.05	3.87	2.98
ESO 319-G022	1992ApJS...83...29S	0.89	0.13	0.16	0.16	0.19	0.79	0.64	1.17	1.03	0.98	0.95	1.01	1.04	0.76	0.98	7.37	7.36	7.68	7.69	1.86	1.39	1.07	9.41	9.09	9.52	9.46	3.67	2.87
NGC 3690/IC 694	1991ApJ...370..158S	1.02	4.01	3.97	3.69	3.78	1.11	0.81	1.02	24.72	24.51	22.91	23.40	1.17	0.84	0.93	119.26	118.34	113.05	115.78	2.03	1.45	0.91	116.89	115.96	111.42	113.97	3.98	3.02
NGC 3717	1991RC3.9.C...0000d	0.84	0.91	0.85	0.43	0.56	1.80	1.03	1.01	1.37	1.32	0.77	0.89	1.69	0.93	0.95	12.01	11.92	10.36	10.59	2.15	1.53	1.01	26.55	26.04	23.27	23.56	4.15	3.17
NGC 3726	1995ApJS...98..219Y	0.90	0.73	0.70	0.00	0.25	-0.20	2.53	0.91	0.91	0.88	0.12	0.32	3.32	2.64	0.99	6.51	6.21	2.83	3.29	3.86	2.81	0.98	21.23	20.91	16.09	16.56	5.11	3.61
NGC 3732	1991RC3.9.C...0000d	---	0.28	0.31	0.25	0.26	1.15	1.00	---	0.74	0.69	0.71	0.68	1.18	0.85	---	5.45	5.36	4.97	5.05	2.01	1.48	---	7.35	7.32	7.75	7.85	3.70	2.82
NGC 3735	1991RC3.9.C...0000d	0.94	0.62	0.57	0.64	0.64	1.06	0.78	0.96	1.09	1.10	1.12	1.14	1.07	0.78	0.91	6.81	6.77	6.71	6.82	1.95	1.43	0.91	18.61	18.45	17.83	17.70	3.90	3.03
NGC 3810	1995ApJS...98..219Y	1.00	1.50	1.46	0.64	0.79	2.01	1.37	1.03	1.63	1.62	0.69	0.83	2.02	1.69	0.97	13.70	13.63	10.33	10.51	2.58	1.80	1.00	35.34	35.07	31.89	32.53	4.26	3.15
NGC 3877	1995ApJS...98..219Y	0.93	0.88	0.85	0.21	0.35	3.18	1.78	0.99	1.11	1.10	0.42	0.58	2.85	1.50	1.03	7.77	7.72	5.17	5.29	3.00	2.00	0.99	22.59	22.42	19.54	19.98	4.52	3.27
NGC 3882	1991RC3.9.C...0000d	1.56	1.51	1.26	0.92	0.97	1.37	0.95	1.33	2.67	2.45	1.85	1.96	1.36	0.92	0.99	20.03	19.84	17.76	17.98	2.17	1.56	1.09	39.39	38.47	37.38	37.81	3.98	2.99
NGC 3885	1991RC3.9.C...0000d	1.33	0.57	0.57	0.47	0.51	1.23	0.76	0.90	1.40	1.39	1.47	1.41	1.11	0.82	1.12	12.03	11.94	11.89	11.97	1.93	1.43	1.11	16.80	16.68	16.25	16.31	3.91	2.99
NGC 3887	1998AJ....115...62H	0.91	0.65	0.59	0.24	0.32	2.21	1.53	1.06	0.72	0.67	0.34	0.42	2.11	1.53	0.96	5.94	5.84	4.44	4.52	2.63	1.88	1.00	17.07	16.81	15.48	15.82	4.19	3.10
NGC 3893	1995ApJS...98..219Y	1.00	1.46	1.45	0.89	0.96	1.59	1.12	0.93	1.66	1.65	1.24	1.29	1.55	1.06	1.03	15.65	15.57	13.56	13.69	2.25	1.59	0.94	38.63	38.55	36.80	37.45	4.04	3.04
NGC 3938	1995ApJS...98..219Y	1.00	0.94	0.90	0.24	0.37	2.60	2.08	0.98	1.29	1.23	0.34	0.51	3.37	1.73	0.99	9.28	9.18	5.58	6.01	3.23	2.06	1.00	27.75	27.50	23.69	23.97	4.57	3.29
ESO 320-G030	1991RC3.9.C...0000d	0.87	0.58	0.59	0.53	0.55	1.06	0.79	0.99	2.15	2.11	2.28	2.25	1.05	0.79	1.01	35.00	34.83	34.38	34.17	1.96	1.46	1.07	45.78	45.75	46.28	46.39	3.81	2.97
NGC 3949	1995ApJS...98..219Y	1.00	0.78	0.79	0.67	0.69	1.24	0.88	0.91	1.32	1.26	0.98	1.05	1.28	0.87	0.99	11.37	11.29	10.46	10.96	2.06	1.44	0.92	25.23	25.11	24.40	24.78	3.98	3.05
NGC 3953	1995ApJS...98..219Y	1.04	1.10	0.99	0.15	0.33	-0.20	2.88	0.95	1.29	1.19	0.23	0.45	-0.20	2.21	1.00	7.11	6.61	2.95	3.45	4.20	2.93	0.98	31.12	29.63	20.88	21.90	5.49	3.91
NGC 3955	1991RC3.9.C...0000d	1.08	1.14	1.05	0.66	0.68	1.46	0.98	0.96	1.41	1.31	0.81	0.88	1.42	1.02	1.01	8.65	8.63	8.34	8.50	1.99	1.44	1.03	16.52	16.37	17.56	17.53	3.72	2.92
NGC 3981	1991RC3.9.C...0000d	1.08	0.66	0.65	0.41	0.45	1.74	0.94	1.09	0.85	0.84	0.56	0.62	1.51	0.98	1.04	7.15	7.14	6.08	6.17	2.27	1.61	1.15	20.93	20.72	19.64	19.78	4.06	3.07
NGC 3982	1991RC3.9.C...0000d	0.89	0.47	0.39	0.46	0.45	1.18	0.90	1.09	0.97	0.97	0.86	0.88	1.18	0.87	0.98	7.21	7.18	6.78	6.81	2.10	1.51	0.94	16.78	16.58	16.24	16.62	3.85	2.94
NGC 3994/5	1995ApJS...99..391H	1.09	0.51	0.50	0.00	0.32	0.89	0.68	1.10	0.89	0.90	0.00	0.54	1.22	0.87	1.03	8.94	8.53	3.61	4.57	-0.10	3.02	1.00	16.97	16.88	13.56	14.20	5.00	3.57
NGC 4013	1998AJ....115...62H	0.93	0.56	0.54	0.17	0.24	2.46	2.06	0.94	0.80	0.77	0.22	0.33	3.07	1.73	1.01	7.06	7.01	5.05	5.22	2.79	1.88	1.06	24.39	24.36	21.89	22.41	4.37	3.14
NGC 4027	1991RC3.9.C...0000d	0.95	0.92	0.90	0.58	0.65	1.71	1.00	0.90	1.20	1.12	0.99	1.01	1.50	0.94	1.03	12.32	12.24	11.00	11.02	2.19	1.57	1.06	28.07	27.78	26.28	26.62	4.03	3.05
NGC 4030	1995ApJS...98..219Y	0.94	1.36	1.35	0.85	0.98	1.82	1.05	0.95	2.30	2.11	1.34	1.40	1.55	1.18	1.01	18.55	18.49	15.91	15.89	2.29	1.64	1.00	51.08	50.92	47.95	48.99	4.12	3.08
NGC 4038/9	1995ApJS...98..219Y	0.79	1.99	1.94	1.27	1.35	1.68	1.12	0.99	6.59	6.54	4.22	4.48	1.69	1.20	0.93	45.65	45.16	38.03	38.01	2.37	1.68	1.06	87.65	87.09	81.25	82.34	4.14	3.11
NGC 4041	1995ApJS...98..219Y	1.03	1.10	1.13	0.84	0.90	1.34	0.94	0.95	1.60	1.56	1.44	1.43	1.21	0.88	0.98	14.22	14.15	13.36	13.62	2.03	1.48	0.93	32.40	32.39	31.74	31.97	3.90	3.00
NGC 4045	1991RC3.9.C...0000d	0.77	0.27	0.00	0.35	0.26	1.06	0.83	1.05	0.99	1.02	0.86	0.85	1.48	0.98	1.04	6.88	6.80	6.75	6.77	1.94	1.44	1.01	13.97	13.90	13.69	13.87	3.86	2.93
NGC 4051	1995ApJS...98..219Y	0.96	1.37	1.35	0.85	0.91	1.52	0.97	1.00	2.28	2.20	1.54	1.67	1.39	0.91	1.01	10.62	10.53	8.04	8.01	2.59	1.81	1.04	25.10	24.93	22.30	22.88	4.24	3.11
NGC 4085	1991RC3.9.C...0000d	0.72	0.42	0.36	0.34	0.33	1.51	1.11	0.94	0.67	0.66	0.62	0.62	1.31	0.86	0.96	5.81	5.79	5.42	5.47	2.09	1.50	0.96	14.65	14.69	14.80	14.91	3.83	2.94
NGC 4088	1995ApJS...98..219Y	1.00	2.12	2.06	0.71	0.99	2.36	1.71	1.01	3.49	3.45	1.37	1.70	2.37	1.63	1.01	27.12	26.77	18.49	19.17	2.83	1.94	1.01	62.28	61.68	53.47	54.63	4.46	3.28
NGC 4096	1995ApJS...98..219Y	1.12	0.94	0.84	0.26	0.37	-0.20	1.65	1.01	0.92	0.89	0.33	0.45	2.69	1.60	0.97	7.53	7.46	4.18	4.56	3.47	2.36	0.97	23.32	23.19	19.33	19.50	4.73	3.45
NGC 4100	1991RC3.9.C...0000d	1.05	0.78	0.77	0.50	0.55	1.53	1.04	0.98	1.07	1.03	0.84	0.84	1.43	0.94	1.01	9.36	9.35	8.53	8.59	2.14	1.52	1.00	22.49	21.94	20.75	21.14	4.01	3.03
NGC 4102	1995ApJS...98..219Y	1.00	1.76	1.77	1.47	1.53	1.16	0.84	0.96	7.05	7.04	6.83	7.02	1.09	0.79	0.93	48.17	47.88	46.85	48.15	1.96	1.38	0.93	71.24	71.02	70.29	72.20	3.89	2.88
ESO 440-IG058	1992ApJS...83...29S	0.91	0.17	0.19	0.20	0.23	0.85	0.67	1.03	0.68	0.63	0.76	0.75	1.06	0.77	0.96	7.39	7.39	7.44	7.45	1.93	1.42	1.01	12.82	12.65	12.63	13.18	3.80	2.86
NGC 4123	1988ApJS...67....1T	1.00	0.73	0.70	0.38	0.42	1.47	1.21	1.05	1.25	1.08	1.33	1.24	1.11	0.83	1.13	6.53	6.47	6.10	6.12	2.05	1.49	1.00	10.90	10.92	10.73	11.22	3.87	2.83
NGC 4151	1991RC3.9.C...0000d	1.02	2.04	2.13	2.01	2.02	1.07	0.81	1.01	4.86	4.81	4.87	4.95	1.06	0.79	1.02	6.31	6.29	6.46	6.18	1.93	1.50	1.16	8.88	7.91	7.29	7.99	3.72	2.91
NGC 4157	1995ApJS...98..219Y	0.98	1.75	1.72	0.00	0.67	2.98	2.15	0.98	2.16	2.12	0.73	1.01	2.55	1.88	1.00	17.85	17.71	11.51	11.71	3.05	2.17	1.01	51.00	50.67	44.77	46.31	4.41	3.16
NGC 4175	1996A&AS..116..193C	---	0.19	0.10	0.26	0.27	0.85	0.60	---	0.49	0.47	0.54	0.50	1.05	0.83	---	5.49	5.44	5.27	5.26	1.96	1.47	---	11.97	11.89	11.55	11.40	3.90	3.06
IRAS F12112+0305	1991ApJ...370..158S	---	0.03	-0.04	0.04	0.10	0.34	0.25	1.27	0.96	0.87	0.60	0.66	1.23	0.83	0.97	8.02	8.02	8.18	8.37	1.88	1.38	1.04	9.55	9.53	9.46	9.45	3.94	2.96
NGC 4192	1991RC3.9.C...0000d	0.95	1.12	1.04	0.27	0.42	3.16	1.22	0.98	1.49	1.43	0.43	0.67	2.31	1.43	1.00	8.18	8.14	5.66	5.92	2.80	1.85	1.05	24.37	24.31	20.36	20.31	4.68	3.46
ESO 267-G030	1992ApJS...83...29S	1.25	0.33	0.35	0.35	0.33	1.10	0.88	0.99	0.67	0.67	0.66	0.68	1.05	0.78	1.01	10.71	5.86	5.50	5.61	1.98	1.48	1.04	18.24	13.86	7.96	11.06	-0.20	2.99
NGC 4194	1995ApJS...98..219Y	1.18	1.02	0.99	0.84	0.89	1.07	0.81	0.99	4.50	4.46	4.51	4.51	1.06	0.80	0.90	23.86	23.78	23.20	23.52	1.98	1.44	0.96	25.12	24.97	25.16	25.35	3.85	2.93
IRAS 12116-5615	1995AJ....110.1993S	0.95	0.39	0.41	0.35	0.37	1.11	0.81	1.01	1.14	1.12	1.12	1.13	1.07	0.80	1.00	9.66	9.54	9.78	9.75	1.90	1.41	1.17	10.76	9.67	12.95	12.42	3.52	2.75
ESO 380-G001	1991RC3.9.C...0000d	0.84	0.46	0.44	0.38	0.39	1.21	0.86	1.02	1.91	1.93	1.92	1.90	1.10	0.85	0.94	11.82	11.70	11.48	11.44	1.97	1.46	1.14	19.69	19.47	18.81	19.11	3.88	3.02
NGC 4212	1991RC3.9.C...0000d	1.08	0.84	0.82	0.42	0.48	1.56	1.06	1.00	1.03	1.00	0.70	0.77	1.66	0.89	1.04	6.60	6.60	6.06	6.10	2.17	1.54	1.02	17.15	17.15	16.94	17.16	4.00	3.00
NGC 4214	1991RC3.9.C...0000d	0.95	0.61	0.58	0.45	0.47	1.68	0.94	1.04	2.57	2.46	1.85	1.96	1.30	0.91	0.98	17.80	17.57	14.97	15.36	2.21	1.56	1.00	29.39	29.08	26.26	27.03	4.13	3.04
NGC 4217	1996A&AS..115..407R	---	1.28	1.26	0.35	0.55	2.91	1.98	---	1.50	1.50	0.41	0.68	2.78	1.97	---	11.70	11.60	7.58	7.82	3.03	2.10	---	41.40	41.19	36.75	37.53	4.44	3.19
NGC 4219	1991RC3.9.C...0000d	0.85	0.96	0.93	0.55	0.61	1.77	1.23	1.03	1.92	1.91	1.16	1.33	1.65	0.99	0.97	14.32	14.08	12.18	12.24	2.21	1.58	1.14	37.24	36.78	34.30	34.95	4.05	3.11
NGC 4254	1995ApJS...98..219Y	0.99	3.72	3.67	1.24	1.75	2.71	1.54	0.98	4.47	4.38	1.56	2.10	2.62	1.65	1.08	37.77	37.46	24.39	25.37	3.03	2.03	0.99	92.38	91.86	79.27	81.53	4.51	3.24
NGC 4273	1995ApJS...98..219Y	0.97	0.78	0.77	0.59	0.62	1.25	0.90	0.98	1.73	1.65	1.24	1.31	1.36	0.96	0.89	9.52	9.38	8.84	9.07	2.04	1.46	1.04	22.09	22.01	21.76	22.32	3.88	2.94
NGC 4298	1991RC3.9.C...0000d	0.95	0.94	0.92	0.42	0.50	2.33	1.35	1.00	1.15	1.11	0.53	0.68	1.70	1.12	1.05	7.07	7.02	5.22	5.39	2.60	1.77	1.00	25.87	25.77	23.63	24.44	4.24	3.05
NGC 4303	1990ApJ...362..473T	1.02	3.43	3.28	0.00	1.21	2.97	2.28	1.00	4.97	4.90	1.07	1.82	2.97	2.32	0.99	37.74	37.27	22.38	22.89	3.24	2.41	0.99	79.03	78.74	68.28	70.94	4.55	3.22

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
		N/O	zc	tot	temp	peak	W25	W50	N/O	zc	tot	temp	peak	W25	W50	N/O	zc	tot	temp	peak	W25	W50	N/O	zc	tot	temp	peak	W25	W50
			Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
NGC 4304	1991RC3.9.C...0000d	1.02	0.50	0.51	0.34	0.38	1.39	0.94	1.06	0.86	0.79	0.91	0.85	1.16	0.87	1.01	6.82	6.77	6.30	6.26	2.06	1.52	1.00	11.61	11.60	11.35	11.29	3.94	3.05
NGC 4321	2001ApJ...553...47F	1.02	2.59	2.52	0.93	1.24	2.36	1.34	0.96	3.15	3.10	1.55	1.86	1.95	1.11	1.01	26.56	26.00	18.21	19.18	2.65	1.79	0.99	68.81	68.37	58.08	59.36	4.52	3.27
NGC 4332	1977ApJ...212..319K	0.96	0.28	0.29	0.27	0.28	1.01	0.78	1.09	0.99	0.98	0.88	0.87	1.19	0.88	0.94	7.21	7.19	7.25	7.31	1.95	1.42	0.92	13.02	12.93	13.01	13.32	3.85	2.93
NGC 4369	1991RC3.9.C...0000d	0.93	0.30	0.28	0.28	0.28	1.13	0.83	0.95	0.77	0.75	0.69	0.76	1.16	0.71	1.00	5.90	5.84	5.75	5.87	1.95	1.42	1.00	11.04	11.05	11.28	11.22	3.76	2.96
IRAS F12224-0624	1992ApJS...83...29S	---	0.00	0.05	0.00	0.00	0.00	0.00	1.05	0.31	0.32	0.20	0.25	1.30	0.91	1.03	5.96	5.93	5.99	5.98	1.94	1.42	1.08	8.32	8.05	8.13	8.65	3.65	2.69
NGC 4383	1991RC3.9.C...0000d	0.91	0.38	0.36	0.29	0.35	1.27	0.68	1.02	1.02	1.02	1.08	1.04	1.13	0.83	1.00	8.48	8.46	8.36	8.42	1.97	1.44	0.98	12.67	12.65	12.43	12.37	3.92	3.04
NGC 4388	1993ApJS...88..383L	0.95	1.03	1.02	1.01	1.07	1.07	0.76	1.04	3.72	3.72	3.57	3.66	1.06	0.79	1.02	10.46	10.44	10.27	10.49	1.95	1.41	0.99	18.10	17.84	17.15	17.79	3.89	2.94
NGC 4402	1991RC3.9.C...0000d	0.94	0.76	0.74	0.47	0.54	1.83	0.87	1.03	0.64	0.66	0.51	0.53	1.19	0.93	1.02	5.56	5.54	5.33	5.28	2.05	1.52	1.00	17.78	17.69	17.53	17.95	3.83	2.94
NGC 4414	2001ApJ...553...47F	0.93	2.87	2.78	1.65	1.89	1.67	1.13	0.96	3.63	3.61	2.36	2.48	1.65	1.15	0.98	29.76	29.55	26.00	26.50	2.24	1.56	1.02	73.44	73.33	70.69	73.68	4.02	2.92
NGC 4418	1995ApJS...98..219Y	1.03	0.96	0.95	0.99	1.01	0.99	0.74	1.08	9.79	9.48	9.67	9.59	1.09	0.82	1.04	44.20	43.91	43.89	44.50	1.92	1.41	1.04	32.48	32.32	31.94	32.12	3.88	2.96
NGC 4419	1991RC3.9.C...0000d	0.93	0.72	0.67	0.50	0.59	1.26	0.79	1.11	1.88	1.64	1.54	1.54	1.12	0.83	0.99	7.67	7.65	7.58	7.54	1.98	1.46	1.04	16.20	15.95	16.18	16.46	3.74	2.97
NGC 4433	1995ApJS...98..219Y	1.03	0.65	0.64	0.63	0.64	1.08	0.81	0.91	1.73	1.67	1.52	1.50	1.16	0.87	0.94	13.71	13.65	13.35	13.64	1.96	1.41	1.06	24.38	24.12	23.83	24.12	3.87	2.96
NGC 4490	1995ApJS...98..219Y	0.98	1.85	1.82	1.14	1.22	1.50	1.05	0.99	4.95	4.92	3.50	3.68	1.51	1.01	0.98	47.39	46.92	38.86	40.07	2.30	1.62	1.03	88.93	88.61	81.80	83.50	4.16	3.10
NGC 4501	1988ApJ...335..104M	1.08	2.29	2.29	0.90	1.18	2.33	1.60	1.01	3.02	2.98	1.19	1.56	2.46	1.49	1.12	19.93	19.68	14.83	14.97	2.63	1.83	0.99	63.64	62.97	57.29	58.87	4.22	3.11
NGC 4437	1991RC3.9.C...0000d	---	0.82	0.80	0.00	0.34	2.82	2.23	---	1.11	1.04	0.54	0.63	2.00	1.23	---	7.87	7.27	4.73	4.71	3.02	2.24	---	22.39	21.41	18.56	18.63	4.51	3.32
NGC 4526	1991RC3.9.C...0000d	1.03	0.52	0.42	0.35	0.38	1.12	0.81	0.74	0.56	0.55	0.49	0.48	1.34	0.92	1.04	5.88	5.86	5.86	5.90	1.93	1.42	1.01	15.97	15.93	16.03	16.14	3.77	2.93
NGC 4527	1995ApJS...98..219Y	0.98	2.70	2.65	1.24	1.53	2.09	1.13	1.01	3.61	3.55	2.11	2.38	1.88	1.06	0.95	31.65	31.40	25.54	25.86	2.41	1.67	1.00	66.10	65.68	59.73	60.53	4.29	3.20
NGC 4532	1991RC3.9.C...0000d	0.97	0.32	0.28	0.28	0.25	1.44	1.06	0.88	0.73	0.51	0.87	0.71	1.14	0.92	1.03	9.32	9.21	8.41	8.54	2.10	1.50	0.97	15.97	15.82	15.14	15.20	4.00	3.03
NGC 4535	2001ApJ...553...47F	0.94	1.09	1.04	0.22	0.41	3.24	2.25	0.99	1.34	1.34	0.56	0.75	2.15	1.01	1.03	11.91	11.45	6.42	7.06	3.40	2.16	0.99	32.74	32.52	25.29	25.93	5.02	3.56
NGC 4536	2001ApJ...553...47F	0.97	1.65	1.55	1.39	1.44	1.07	0.80	1.04	4.19	4.04	3.59	3.74	1.11	0.80	1.06	31.48	31.27	30.26	30.35	1.99	1.47	1.00	45.14	44.97	44.51	45.02	3.84	2.95
NGC 4559	1975ApJ...198..527S	1.01	0.87	0.87	0.36	0.49	1.92	1.30	1.00	1.04	1.03	0.49	0.61	1.87	1.27	0.98	10.35	10.23	6.53	6.96	3.06	2.00	1.01	25.44	25.41	21.94	22.59	4.53	3.25
NGC 4565	1997AJ....114..122G	0.97	1.39	1.36	0.66	0.74	1.90	1.47	1.02	1.35	1.36	0.81	0.86	1.80	1.34	1.03	7.83	7.79	6.12	5.86	2.55	1.87	1.01	34.74	34.62	31.97	32.56	4.22	3.16
NGC 4568/7	1991RC3.9.C...0000d	0.99	1.98	1.99	0.75	0.97	2.38	1.72	1.02	2.64	2.64	1.20	1.45	2.10	1.42	1.02	21.03	20.81	16.30	16.44	2.54	1.76	1.00	57.27	56.80	51.97	53.59	4.19	3.06
NGC 4569	1991RC3.9.C...0000d	0.97	1.30	1.27	0.35	0.53	2.93	2.07	1.00	2.06	1.85	1.02	1.17	2.09	1.14	0.97	9.94	9.80	7.35	7.22	2.72	1.93	1.00	26.55	26.56	24.06	24.63	4.31	3.12
NGC 4575	1996ApJS..107...97M	1.02	0.49	0.47	0.46	0.50	1.16	0.78	1.09	0.83	0.80	0.85	0.85	1.11	0.81	1.01	7.82	7.81	7.74	7.91	1.91	1.39	1.08	17.56	17.30	16.31	16.07	3.97	3.09
NGC 4579	1991RC3.9.C...0000d	1.01	1.19	1.12	0.00	0.44	2.91	2.17	1.03	0.83	0.78	0.31	0.41	2.82	1.57	1.01	5.99	5.93	4.43	4.45	2.66	1.89	1.03	21.81	21.39	19.08	19.53	4.32	3.16
NGC 4605	1995ApJS...98..219Y	1.04	0.97	0.87	0.51	0.53	1.72	1.19	1.01	1.28	1.25	0.82	0.89	1.58	1.11	1.00	14.43	14.39	12.42	12.56	2.27	1.58	0.92	31.83	31.77	30.55	30.93	4.04	3.01
IC 3639	1998A&AS..130..333T	1.12	0.66	0.72	0.62	0.64	1.02	0.78	1.00	2.63	2.54	2.30	2.34	1.09	0.83	1.18	9.08	8.90	7.30	7.80	2.08	1.47	1.19	14.03	13.79	12.74	12.75	4.16	3.13
NGC 4631	1995ApJS...98..219Y	0.94	5.33	5.16	2.20	2.69	2.09	1.39	0.93	8.97	8.38	3.75	4.51	2.14	1.46	1.03	85.40	81.27	53.13	56.95	2.93	1.92	0.77	165.24	160.08	132.04	135.48	4.62	3.40
NGC 4647	1991RC3.9.C...0000d	1.01	1.05	0.99	0.45	0.54	2.01	1.26	0.97	0.79	0.76	0.56	0.61	1.37	0.97	1.08	5.77	5.77	5.41	5.38	2.12	1.52	1.03	16.90	16.77	16.59	16.95	3.85	2.90
NGC 4651	1991RC3.9.C...0000d	0.98	0.48	0.41	0.47	0.44	1.15	0.95	0.84	0.68	0.66	0.42	0.46	1.73	1.16	0.97	5.69	5.60	4.97	5.07	2.17	1.53	1.00	16.32	16.21	15.56	15.90	4.01	2.95
NGC 4654	1975ApJ...198..527S	0.85	1.12	1.01	0.89	0.91	1.41	0.98	0.91	1.75	1.73	1.41	1.42	1.31	0.96	0.96	13.46	13.39	12.08	12.10	2.17	1.55	1.02	39.19	39.06	37.77	38.51	3.94	2.96
NGC 4656	1995ApJS...98..219Y	0.26	0.11	0.06	0.08	0.08	1.81	0.91	1.14	0.50	0.49	0.24	0.28	2.24	1.34	0.96	6.50	4.87	2.32	3.14	-0.10	1.78	0.86	10.70	10.13	6.40	6.70	6.34	4.51
NGC 4666	1995ApJS...98..219Y	1.02	3.45	3.34	1.26	1.64	2.53	1.48	1.06	3.95	3.89	1.84	2.15	2.27	1.34	0.99	37.51	37.11	27.12	27.63	2.70	1.85	1.04	86.33	85.95	76.65	78.25	4.34	3.17
NGC 4691	1995ApJS...98..219Y	0.96	0.79	0.80	0.70	0.73	1.15	0.84	1.00	3.20	3.10	2.43	2.51	1.22	0.89	1.00	14.85	14.74	14.32	14.40	1.99	1.46	1.05	23.24	23.12	22.65	23.10	3.86	2.96
NGC 4699	1998A&AS..130..333T	0.93	0.78	0.76	0.28	0.41	2.68	1.40	1.04	0.57	0.54	0.33	0.34	1.71	1.33	0.99	6.17	6.11	4.82	4.89	2.44	1.72	1.01	20.10	19.95	18.29	18.62	4.27	3.14
NGC 4710	1997AJ....113.1250R	0.93	0.43	0.42	0.11	0.20	1.64	1.22	0.86	0.51	0.43	0.54	0.55	1.14	0.76	1.06	5.95	5.89	5.60	5.69	1.97	1.45	1.02	12.91	12.89	13.21	13.32	3.74	2.91
NGC 4736	1995ApJS...98..219Y	0.95	5.22	5.07	2.74	3.13	1.72	1.11	1.00	6.17	6.11	3.98	4.19	1.65	1.13	1.03	72.07	71.54	60.77	61.55	2.29	1.62	0.99	121.78	120.69	111.54	115.38	4.12	3.04
NGC 4781	1987A&AS...68..427R	1.02	0.63	0.61	0.50	0.51	1.17	0.91	0.94	0.66	0.65	0.67	0.66	1.18	0.82	1.02	8.11	8.04	7.52	7.64	2.09	1.49	1.06	18.24	18.27	18.27	18.33	3.88	2.96
NGC 4793	1991ApJ...370..158S	0.96	1.12	1.08	0.73	0.82	1.37	0.91	0.96	1.61	1.57	1.20	1.28	1.33	0.94	0.99	12.52	12.42	11.57	11.73	2.09	1.49	1.00	28.68	28.57	28.11	28.40	3.85	2.96
NGC 4808	1975ApJ...198..527S	0.98	0.61	0.58	0.62	0.63	1.11	0.84	0.96	0.78	0.67	0.74	0.77	1.14	0.81	1.00	6.97	6.92	6.43	6.49	2.01	1.47	1.04	16.95	16.84	16.05	16.48	3.98	2.98
IC 3908	1998A&AS..130..333T	0.86	0.49	0.44	0.42	0.44	1.12	0.84	1.67	1.24	1.20	0.70	0.87	1.74	0.79	1.10	8.55	8.47	8.04	8.04	1.99	1.47	1.03	16.88	16.71	16.65	17.08	3.83	2.86
UGC 08058	1991ApJ...370..158S	0.95	1.84	1.84	1.83	1.87	1.04	0.78	1.00	8.82	8.78	8.84	8.91	1.08	0.80	0.87	31.35	31.20	30.80	31.48	1.94	1.43	0.92	29.53	29.54	29.74	30.55	3.82	2.87
NGC 4818	1995ApJS...98..219Y	1.05	0.97	0.96	0.82	0.85	1.16	0.84	1.05	4.52	4.40	3.88	3.91	1.10	0.82	1.01	20.40	20.31	20.12	20.21	1.96	1.45	1.00	26.60	26.45	26.60	26.03	3.83	3.03
NGC 4826	1995ApJS...98..219Y	1.00	2.36	2.36	1.82	1.97	1.21	0.85	0.94	3.00	3.00	2.86	2.90	1.17	0.84	1.04	38.61	38.40	36.70	37.45	2.00	1.43	1.05	84.11	83.57	81.65	82.56	3.87	2.96
ESO 443-G017	1991RC3.9.C...0000d	1.00	0.23	0.19	0.22	0.24	0.91	0.70	0.89	0.99	1.01	0.91	0.92	1.20	0.85	0.98	6.02	5.99	5.96	6.19	1.92	1.36	1.08	8.83	8.74	8.99	9.18	3.81	2.88
NGC 4835	1991RC3.9.C...0000d	0.98	1.33	1.28	1.00	1.05	1.30	0.90	0.96	1.97	1.89	1.48	1.52	1.36	0.96	0.98	17.82	17.69	16.05	16.37	2.11	1.51	1.08	41.56	41.15	40.22	40.81	3.94	3.02
NGC 4845	1995ApJS...98..219Y	0.83	0.46	0.44	0.38	0.39	1.15	0.86	0.97	0.59	0.63	0.57	0.55	1.25	0.86	1.01	9.31	9.28	9.22	9.15	1.96	1.47	1.00	22.48	22.19	22.05	21.88	3.78	2.97
NGC 4900	1991RC3.9.C...0000d	1.02	0.49	0.39	0.37	0.37	1.52	1.12	0.84	0.91	0.76	0.54	0.55	1.53	1.01	0.99	5.96	5.97	5.52	5.45	2.16	1.57	1.02	14.27	14.16	13.96	14.08	3.96	2.99
NGC 4922	1991RC3.9.C...0000d	1.17	0.31	0.27	0.27	0.27	1.16	0.80	0.99	1.52	1.48	1.33	1.35	1.13	0.83	1.00	6.18	6.07	6.21	6.20	1.88	1.41	1.00	7.69	7.52	7.33	7.58	3.91	2.94
CGCG 043-099	1988ApJ...335..104M	---	0.30	0.30	0.14	0.22	0.99	0.59	---	0.31	0.18	0.47	0.43	0.85	0.63	---	5.15	5.10	5.25	5.26	1.87	1.40	---	8.45	8.29	8.06	8.19	3.88	3.02
MCG-02-33-098/9	1991RC3.9.C...0000d	0.65	0.48	0.43	0.34	0.39	1.14	0.74	0.96	1.79	1.63	1.38	1.45	1.13	0.83	1.02	7.59	7.56	7.49	7.66	1.93	1.40	1.04	9.68	9.69	9.68	9.84	3.80	2.90
ESO 507-G070	1992ApJS...83...29S	1.00	0.26	0.25	0.11	0.16	1.70	1.12	0.82	0.97	0.87	0.80	0.80	1.13	0.84	0.97	13.17	13.15	13.04	13.15	1.94	1.44	1.08	15.51	15.48	15.71	16.01	3.73	2.93
NGC 4945	1991RC3.9.C...0000d	1.17	27.74	13.32	3.68	5.55	-0.10	1.27	0.88	42.34	25.22	14.73	16.87	1.37	0.91	1.06	625.46	508.70	378.78	404.66	2.25	1.63	0.94	1329.70	1166.76	773.08	848.69	5.22	3.51
ESO 323-G077	1991RC3.9.C...0000d	1.13	0.68	0.67	0.68	0.70	1.08	0.76	1.02	1.21	1.24	1.24	1.29	1.07	0.77	0.97	5.79	5.73	5.43	5.51	1.99	1.44	1.17	10.97	10.73	9.40	9.88	4.05	2.94
IRAS 13052-5711	1995AJ....110.1993S	0.81	0.18	0.17	0.13	0.16	0.92	0.69	1.05	0.42	0.37	0.45	0.45	0.99	0.73	0.98	8.18	8.17	8.17	8.24	1.92	1.42	1.09	18.18	16.95	13.69	14.58	4.22	3.15
NGC 4984	1995ApJS...98..219Y	0.95	0.85	0.86	0.73	0.80	1.02	0.74	1.09	1.56	1.53	1.65	1.67	1.05	0.80	0.99	11.24	11.17	11.23	11.27	1.92	1.43	1.10	16.98	16.93	17.08	16.82	3.83	3.01
NGC 5005	1995ApJS...98..219Y	0.94	1.67	1.65	0.80	0.95	1.99	1.33	0.97	2.31	2.26	1.22	1.43	1.86	1.15	0.99	22.41	22.18	18.90	19.09	2.29	1.62	0.99	63.73	63.40	58.57	59.42	4.20	3.09
NGC 5010	1991RC3.9.C...0000d	---	0.41	0.37	0.37	0.37	1.05	0.78	---	1.44	1.44	0.95	1.11	1.58	0.82	---	10.21	10.17	10.29	10.49	1.92	1.37	---	21.48	21.45	21.69	21.83	3.81	2.92
MCG-03-34-014	1991RC3.9.C...0000d	1.25	0.81	0.81	0.59	0.68	1.17	0.80	0.99	1.09	1.07	0.79	0.88	1.26	0.90	1.03	7.77	7.77	7.76	7.77	1.96	1.43	1.09	17.03	16.95	17.14	17.58	3.72	2.84

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 5020	1988ApJ...335..104M	1.71	0.34	0.36	0.20	0.23	1.94	0.98	1.09	0.72	0.54	0.40	0.43	1.76	0.84	1.04	5.69	5.58	4.97	5.12	2.14	1.52	1.17	11.67	11.70	10.97	11.21	4.06	3.01
NGC 5033	1995ApJS...98..219Y	1.01	1.85	1.77	0.87	1.04	1.77	1.16	1.08	2.14	2.03	1.11	1.28	1.78	1.14	0.98	16.53	16.20	13.21	13.64	2.28	1.61	0.99	50.90	50.23	44.55	45.87	4.23	3.10
IRAS 13120-5453	1992ApJS...83...29S	1.05	0.41	0.40	0.44	0.45	0.94	0.71	0.98	2.96	2.91	2.98	3.00	1.07	0.79	1.04	41.85	41.64	41.11	41.70	1.95	1.41	1.16	53.04	52.90	52.33	53.21	3.90	2.98
NGC 5038	1992ApJS...83...29S	1.00	0.17	0.07	0.25	0.26	0.67	0.53	1.20	1.45	1.47	1.24	1.33	1.00	0.76	0.97	9.36	9.26	9.15	9.25	1.93	1.43	1.05	13.13	12.98	13.28	13.89	3.64	2.76
IC 0860	1988ApJ...335..104M	---	0.00	0.01	0.00	0.00	0.00	0.00	1.07	1.28	1.23	1.34	1.35	1.05	0.76	1.05	19.08	18.91	18.61	18.61	1.92	1.44	1.06	18.73	18.62	18.66	19.10	3.80	2.92
NGC 5055	1995ApJS...98..219Y	0.96	5.35	4.94	1.41	2.11	2.84	1.83	0.91	6.36	5.70	1.75	2.50	2.86	1.83	1.00	41.48	40.00	27.44	28.66	2.79	1.89	0.89	143.13	139.82	115.50	119.51	4.67	3.36
VV 250a	1983RVG...C...0000P	1.00	0.39	0.36	0.35	0.38	1.12	0.74	0.99	1.96	1.94	1.95	1.95	1.06	0.81	0.95	11.60	11.55	11.39	11.41	1.96	1.46	0.96	12.43	12.31	12.41	12.77	3.77	2.87
NGC 5054	1995ApJS...98..219Y	0.97	1.17	1.12	0.64	0.77	1.54	0.96	0.99	1.54	1.50	1.16	1.23	1.68	0.97	0.99	13.25	13.01	11.52	11.73	2.16	1.53	1.14	32.66	32.47	31.53	32.34	3.97	2.97
NGC 5068	1991RC3.9.C...0000d	---	1.10	1.04	0.00	0.35	-0.10	2.62	---	1.14	0.97	0.00	0.35	-0.20	1.79	---	13.00	12.50	3.57	5.15	-0.20	3.76	---	31.95	31.39	22.27	22.53	5.68	4.11
NGC 5073	1991RC3.9.C...0000d	1.07	0.23	0.15	0.31	0.29	0.93	0.71	0.93	1.55	1.46	1.15	1.28	1.09	0.75	1.03	9.63	9.61	9.37	9.41	1.99	1.46	1.12	14.32	14.25	15.02	15.23	3.81	2.92
NGC 5078	1991RC3.9.C...0000d	0.98	1.13	1.08	0.72	0.77	1.35	0.97	0.99	1.03	0.95	0.77	0.78	1.47	0.99	0.98	10.75	10.54	9.28	9.46	2.10	1.52	1.02	35.46	35.23	33.70	34.07	3.97	3.06
UGC 08387	1997ApJ...478..144S	0.96	0.33	0.32	0.25	0.28	0.96	0.75	1.04	1.45	1.38	1.42	1.43	1.10	0.79	1.24	17.54	17.30	17.04	17.06	1.94	1.45	0.98	24.75	24.65	24.38	25.39	3.86	2.89
NGC 5104	1988ApJ...335..104M	1.86	0.41	0.39	0.21	0.24	1.18	0.94	1.04	0.64	0.49	0.74	0.67	1.06	0.80	1.01	7.04	6.98	6.78	6.86	1.96	1.45	1.05	13.13	13.13	13.37	13.57	3.79	2.87
MCG-03-34-064	1992ApJS...83...29S	1.01	0.95	0.94	0.81	0.89	1.04	0.76	1.01	2.88	2.82	2.97	2.93	1.09	0.80	1.02	6.22	6.20	5.82	5.80	2.00	1.50	1.05	6.37	6.19	6.20	6.39	3.89	2.87
NGC 5128	1991RC3.9.C...0000d	0.95	22.15	20.47	12.50	13.61	1.62	1.09	0.92	28.25	26.01	18.27	19.47	1.50	0.99	0.98	219.96	213.29	177.43	179.66	2.32	1.64	0.82	423.57	411.89	367.31	372.71	4.26	3.21
NGC 5135	1991ApJ...370..158S	1.02	0.58	0.55	0.63	0.59	1.06	0.84	0.94	2.39	2.36	2.38	2.37	1.08	0.83	0.99	16.60	16.56	16.86	16.75	1.93	1.43	1.05	31.18	31.11	30.97	32.43	3.88	2.88
NGC 5145	1991RC3.9.C...0000d	0.91	0.47	0.45	0.41	0.44	1.09	0.79	1.02	0.71	0.68	0.64	0.65	1.12	0.82	1.02	6.49	6.44	6.29	6.33	1.98	1.47	1.00	12.39	12.25	12.27	12.51	3.84	2.88
ESO 173-G015	1992ApJS...83...29S	1.01	1.40	1.15	1.19	1.22	1.08	0.77	1.02	7.34	7.30	7.46	7.56	1.08	0.80	1.05	82.70	81.96	79.74	81.44	1.97	1.43	1.13	107.18	105.98	100.88	100.04	3.96	3.07
NGC 5194	1995ApJS...98..219Y	0.66	7.21	6.24	1.64	2.47	-0.20	1.59	0.64	10.58	8.39	2.45	3.52	-0.10	1.53	0.99	112.64	90.10	34.76	48.28	-0.10	2.27	0.79	252.54	236.72	138.26	153.58	6.77	4.37
NGC 5195	1995ApJS...98..219Y	0.29	0.00	-0.77	0.69	0.00	0.00	0.00	0.38	0.70	-0.37	1.37	1.01	0.79	0.64	0.97	90.67	28.23	8.65	17.20	-0.20	1.60	1.07	240.14	141.17	0.00	136.86	7.31	4.67
NGC 5188	1998A&AS..130..333T	1.00	0.84	0.82	0.86	0.89	1.01	0.73	1.00	3.07	2.96	2.83	2.89	1.09	0.80	1.01	22.93	22.75	22.58	22.90	1.93	1.41	1.07	38.93	38.71	38.26	38.14	3.87	2.98
IC 4280	1991RC3.9.C...0000d	0.88	0.49	0.44	0.38	0.40	1.08	0.81	0.96	0.77	0.81	0.68	0.68	1.17	0.87	0.97	6.05	6.04	6.10	6.14	1.92	1.41	1.06	11.54	11.42	12.36	12.64	3.67	2.79
NGC 5218	1998A&AS..130..333T	1.16	0.38	0.37	0.29	0.30	1.23	0.95	0.97	0.83	0.80	0.94	0.94	0.99	0.75	0.94	7.05	7.03	7.01	7.10	1.95	1.42	0.92	13.57	13.47	13.54	13.96	3.79	2.87
NGC 5236	1995ApJS...98..219Y	0.82	21.46	16.02	4.36	6.79	-0.20	1.10	0.92	43.57	36.45	19.67	23.27	1.37	0.91	1.00	265.84	231.19	109.19	138.72	4.16	1.94	0.82	524.09	483.60	266.87	295.99	7.13	4.79
NGC 5248	1995ApJS...98..219Y	0.95	1.82	1.75	1.04	1.14	1.71	1.18	1.02	3.12	3.02	1.71	1.93	1.89	1.17	1.01	21.15	20.91	17.60	17.61	2.31	1.65	1.09	54.01	53.48	50.16	51.53	4.02	3.02
NGC 5247	1995ApJS...98..219Y	0.92	1.58	1.51	0.48	0.71	3.17	1.15	0.96	1.54	1.48	0.47	0.71	2.81	1.09	0.93	14.02	13.65	6.61	7.62	4.02	2.52	1.10	41.97	41.83	33.85	34.29	4.91	3.49
NGC 5256	1991ApJ...370..158S	1.14	0.30	0.31	0.32	0.31	1.08	0.85	0.95	1.13	1.07	0.96	0.99	1.06	0.81	1.01	7.27	7.24	7.25	7.32	1.93	1.42	0.98	10.07	10.07	10.11	10.20	3.71	2.90
NGC 5253	2001ApJ...553...47F	0.98	2.71	2.62	2.50	2.56	1.06	0.80	0.97	12.50	12.24	12.07	12.39	1.08	0.79	0.95	31.20	31.02	29.84	29.79	2.00	1.48	1.01	31.24	30.90	30.08	29.99	3.88	3.01
NGC 5257/8	1988ApJ...335..104M	0.92	0.58	0.52	0.57	0.56	1.09	0.82	0.91	1.49	1.51	1.34	1.36	1.21	0.86	1.00	11.07	11.00	10.73	10.88	1.97	1.43	1.07	19.61	19.55	19.97	20.56	3.66	2.85
UGC 08696	1997ApJ...478..144S	1.04	0.22	0.20	0.24	0.24	0.98	0.70	1.03	2.30	2.30	2.36	2.38	1.05	0.78	1.02	22.80	22.73	22.51	22.52	1.96	1.46	1.00	22.20	22.22	22.53	22.80	3.77	2.91
UGC 08739	1988ApJ...335..104M	1.30	0.55	0.54	0.30	0.35	1.24	0.93	1.14	0.52	0.51	0.38	0.42	1.27	0.85	0.98	5.89	5.83	5.71	5.79	1.96	1.43	1.11	14.90	14.73	15.05	15.89	3.65	2.77
ESO 221-IG008	1992ApJS...83...29S	0.97	0.32	0.30	0.24	0.27	1.29	0.90	1.19	1.12	0.99	0.97	0.97	1.09	0.79	0.99	5.31	5.22	5.64	5.54	1.90	1.41	1.04	4.40	3.86	5.52	5.63	3.22	2.56
ESO 221-IG010	1991RC3.9.C...0000d	1.00	0.74	0.74	0.66	0.70	1.17	0.81	1.02	1.83	1.82	1.69	1.73	1.18	0.83	0.93	13.65	13.50	12.92	13.03	2.02	1.47	1.01	22.84	22.58	22.00	22.28	3.92	3.00
NGC 5331	1988ApJ...335..104M	---	0.28	0.29	0.19	0.22	1.31	0.77	---	0.43	0.17	0.59	0.49	1.06	0.85	---	6.16	6.15	5.86	5.91	2.04	1.47	---	11.53	11.52	11.49	11.48	3.76	2.94
NGC 5371	1991RC3.9.C...0000d	1.05	0.86	0.77	0.12	0.30	3.25	2.19	0.95	1.03	0.97	0.00	0.36	3.28	2.49	0.98	5.36	5.27	2.79	2.98	3.57	2.62	1.03	18.76	18.66	16.03	16.44	4.54	3.30
NGC 5383	1990ApJ...362..473T	---	0.35	0.25	0.36	0.33	1.23	0.85	---	0.85	0.84	0.73	0.77	1.13	0.84	---	5.69	5.67	5.45	5.49	1.95	1.43	---	13.29	13.26	13.05	13.35	3.84	2.91
NGC 5394/5	1998A&AS..130..333T	1.02	0.62	0.59	0.25	0.36	2.24	1.15	0.97	1.42	1.40	0.89	1.04	1.90	0.90	1.03	9.45	9.38	7.58	7.78	2.46	1.64	1.02	22.17	22.02	19.92	20.67	4.27	3.06
NGC 5430	1991ApJ...370..158S	0.77	0.62	0.57	0.50	0.53	1.25	0.89	1.01	1.99	1.94	1.66	1.63	1.24	0.92	0.93	10.60	10.53	10.10	10.20	2.00	1.46	0.95	20.51	20.51	20.34	20.67	3.81	2.94
NGC 5433	1988ApJ...335..104M	0.87	0.32	0.31	0.27	0.27	1.07	0.87	1.13	0.85	0.85	0.70	0.74	1.17	0.86	1.00	6.37	6.37	6.31	6.25	1.94	1.45	1.04	11.90	11.76	11.67	12.00	3.83	2.89
NGC 5427	1998A&AS..130..333T	1.13	1.29	0.98	0.36	0.44	1.90	1.31	1.11	1.48	1.16	0.66	0.76	1.51	1.07	1.03	10.24	8.77	5.10	6.26	-0.20	1.60	1.02	26.33	25.29	17.97	18.60	5.79	4.18
NGC 5457	2001ApJ...553...47F	1.00	2.15	1.31	0.39	0.58	3.54	1.03	1.00	4.51	3.08	1.95	2.18	1.32	0.92	1.00	31.32	20.12	10.02	12.91	-0.10	1.75	1.00	69.07	49.93	18.62	28.77	-0.10	-0.10
NGC 5483	1991RC3.9.C...0000d	---	0.81	0.80	0.26	0.39	2.59	1.75	---	0.73	0.73	0.40	0.48	2.12	1.06	---	6.32	6.30	5.02	4.99	2.48	1.77	---	17.26	17.16	16.12	16.41	4.06	3.09
ESO 221-G032	1997MNRAS.287..472D	0.95	0.63	0.58	0.43	0.45	1.39	1.05	0.92	0.84	0.79	0.71	0.70	1.35	0.96	0.97	6.90	6.82	6.09	6.18	2.15	1.51	0.95	15.41	14.54	13.83	14.44	3.96	2.88
NGC 5506	1996ApJS..106...27K	1.04	1.25	1.23	1.29	1.32	1.00	0.76	0.99	4.24	4.17	3.72	3.79	1.10	0.84	1.00	8.44	8.38	8.42	8.50	1.92	1.41	1.03	9.24	9.12	8.87	8.77	3.83	2.99
CGCG 247-020	1990AJ.....99..463D	1.00	0.12	0.11	0.15	0.16	0.85	0.69	0.89	0.90	0.88	0.84	0.86	1.07	0.78	1.02	5.97	5.95	6.01	6.06	1.90	1.42	1.03	8.74	8.40	8.47	8.62	3.78	2.94
IC 4402	1996ApJS..107...97M	1.28	0.60	0.46	0.47	0.51	1.48	0.70	1.01	1.21	1.19	1.19	1.19	1.09	0.80	0.98	9.00	8.90	8.86	8.77	1.92	1.46	1.08	18.93	18.10	18.19	18.49	3.81	2.90
NGC 5600	1988ApJ...335..104M	0.90	0.37	0.41	0.35	0.38	1.13	0.78	1.18	0.77	0.72	0.58	0.66	1.21	0.81	1.02	5.76	5.66	5.44	5.46	2.00	1.47	1.02	12.22	12.07	11.68	11.85	3.86	2.98
NGC 5595	1996ApJS..107...97M	0.87	0.53	0.53	0.45	0.45	1.28	0.95	0.96	0.59	0.48	0.68	0.64	1.16	0.84	1.00	9.23	9.06	7.91	7.91	2.21	1.61	1.12	18.67	18.60	17.69	17.93	4.03	3.00
NGC 5597	1998A&AS..130..333T	1.27	0.68	0.71	0.48	0.54	1.11	0.84	0.85	1.64	1.55	1.55	1.53	1.17	0.86	0.94	8.68	8.59	8.37	8.43	1.99	1.46	0.96	16.77	16.33	15.17	15.52	4.01	3.02
NGC 5653	1995ApJS...98..219Y	1.02	0.62	0.58	0.64	0.66	1.06	0.77	1.03	1.30	1.28	1.37	1.42	1.03	0.75	1.03	10.83	10.75	10.57	10.83	1.95	1.40	1.05	22.99	22.93	23.03	23.93	3.74	2.85
IC 4444	1991RC3.9.C...0000d	0.99	1.46	1.40	1.13	1.19	1.28	0.89	1.00	2.32	2.33	1.98	2.01	1.28	0.90	0.98	19.91	19.89	19.13	19.26	2.02	1.46	1.08	39.73	38.23	38.07	38.65	3.84	2.95
NGC 5643	1991RC3.9.C...0000d	1.02	2.03	1.97	0.90	1.14	2.19	1.15	0.99	4.76	4.68	3.47	3.72	1.29	0.89	0.99	23.59	23.48	18.77	19.10	2.44	1.67	1.15	48.59	48.60	45.73	46.29	4.22	3.11
NGC 5665	1988ApJ...335..104M	1.00	0.51	0.47	0.36	0.40	1.23	0.80	0.92	0.86	0.86	0.82	0.85	1.09	0.80	1.01	6.27	6.27	6.25	6.22	1.96	1.46	1.06	12.43	12.29	12.41	12.57	3.86	2.97
NGC 5678	1995ApJS...98..219Y	0.99	0.95	0.94	0.64	0.70	1.54	1.05	0.98	1.25	1.20	0.95	0.97	1.44	1.05	1.02	9.71	9.67	8.68	8.71	2.17	1.56	0.99	26.61	26.52	25.66	26.01	3.96	3.00
NGC 5676	1995ApJS...98..219Y	1.05	1.13	1.13	0.77	0.82	1.57	1.13	1.04	1.69	1.70	1.03	1.09	1.74	1.26	1.00	12.07	12.04	10.57	10.51	2.27	1.63	1.00	31.33	30.99	29.91	30.86	3.96	2.94
IRAS F14348-1447	1991ApJ...370..158S	---	0.06	0.04	0.00	0.12	0.73	0.39	0.98	0.44	0.26	0.55	0.50	1.08	0.71	1.06	6.85	6.82	6.82	6.99	1.91	1.38	1.06	6.63	6.44	7.31	7.28	3.72	2.89
NGC 5690	1991RC3.9.C...0000d	0.90	0.81	0.75	0.47	0.50	1.52	1.12	1.12	1.01	0.99	0.50	0.63	1.74	1.12	0.99	6.97	6.94	6.40	6.44	2.14	1.53	1.05	17.35	17.23	16.84	17.63	3.88	2.85
NGC 5713	1995ApJS...98..219Y	1.05	1.47	1.32	1.17	1.18	1.28	0.88	0.99	2.88	2.84	2.62	2.65	1.24	0.86	1.07	22.26	22.10	20.96	21.20	2.06	1.48	1.03	38.34	38.28	37.28	38.22	3.91	2.98
IRAS F14378-3651	1990A&A...236..327M	---	0.00	-0.18	0.09	0.00	0.00	0.00	0.66	1.06	1.01	0.54	0.67	1.25	0.90	1.02	6.73	6.66	6.54	6.72	1.92	1.42	1.17	9.15	8.58	7.77	8.08	3.97	3.05
NGC 5719	1991RC3.9.C...0000d	1.00	0.50	0.47	0.52	0.52	1.01	0.77	0.95	1.14	1.09	0.80	0.87	1.20	0.88	1.07	8.83	8.70	8.61	8.75	1.93	1.39	1.04	17.95	17.84	17.96	18.27	3.82	2.90

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
NGC 5728	1991RC3.9.C...0000d	1.17	0.24	0.18	0.21	0.22	1.01	0.72	1.21	1.05	1.05	0.88	0.98	1.15	0.78	1.00	8.98	8.88	8.27	8.45	2.01	1.47	1.06	15.97	15.79	14.78	15.24	4.02	3.05
NGC 5734	1991RC3.9.C...0000d	1.02	0.52	0.56	0.50	0.47	1.17	0.92	1.28	0.61	0.47	0.74	0.65	1.05	0.83	0.97	12.39	10.86	6.21	7.99	2.02	1.45	1.04	25.38	24.79	18.34	18.52	5.67	4.20
ESO 386-G019	1992ApJS...83...29S	1.19	0.27	0.26	0.31	0.28	1.02	0.84	1.00	0.71	0.71	0.79	0.80	0.99	0.74	1.00	5.80	5.74	5.99	6.04	1.88	1.39	1.20	10.36	9.60	9.12	9.63	3.81	2.86
UGCA 394	1996ApJS..107...97M	---	0.32	0.30	0.19	0.23	1.61	0.80	---	1.04	0.84	0.59	0.65	1.53	0.85	---	6.03	5.83	5.03	5.17	2.13	1.52	---	10.73	10.61	9.25	9.66	4.20	2.99
NGC 5757	1991RC3.9.C...0000d	0.96	0.85	0.77	0.40	0.50	1.94	1.00	0.82	1.06	1.05	0.94	0.99	1.22	0.80	1.06	6.64	6.57	6.09	6.23	2.02	1.46	1.08	13.40	13.14	12.56	12.86	3.89	2.96
NGC 5775	1995ApJS...98..219Y	1.05	1.88	1.83	0.84	0.98	2.12	1.47	1.00	2.47	2.47	1.07	1.25	2.26	1.73	1.01	23.99	23.59	18.06	18.21	2.64	1.85	1.08	56.11	55.64	50.73	52.84	4.22	3.07
IC 4518A/B	1996ApJS..107..521V	0.90	0.38	0.36	0.36	0.38	1.07	0.79	1.02	1.61	1.53	1.28	1.35	1.14	0.81	1.05	8.30	8.07	7.52	7.69	2.01	1.45	1.08	15.12	14.44	13.65	13.92	3.97	2.97
VV 340a	1988ApJ...335..104M	1.00	0.39	0.36	0.19	0.23	1.81	1.22	0.87	0.52	0.44	0.41	0.40	1.30	0.94	1.04	6.96	6.95	6.28	6.39	2.12	1.51	1.04	15.55	15.53	15.16	15.48	3.89	2.94
NGC 5786	1996A&AS..118..311D	0.82	0.49	0.45	0.37	0.36	1.25	0.98	1.01	1.03	0.98	0.68	0.76	1.61	0.92	0.93	6.23	5.90	5.27	5.38	2.08	1.52	1.05	16.01	15.24	15.00	15.20	3.95	2.97
NGC 5792	1991RC3.9.C...0000d	0.85	0.99	0.97	0.84	0.89	1.25	0.91	1.02	1.08	1.07	1.00	1.01	1.17	0.87	0.96	9.15	9.08	8.58	8.59	2.04	1.50	1.11	21.02	20.76	20.32	20.29	3.90	2.98
NGC 5793	1991RC3.9.C...0000d	1.06	0.17	0.07	0.19	0.16	1.14	0.95	1.09	0.28	-0.01	0.49	0.45	0.80	0.62	1.02	6.41	6.38	6.48	6.70	1.87	1.35	1.09	8.55	8.39	9.44	9.40	3.58	2.84
UGC 09668	1993A&AS...99..379O	0.94	0.35	0.33	0.29	0.31	1.11	0.82	0.96	0.87	0.86	0.89	0.90	1.05	0.78	0.92	5.32	5.32	5.24	5.30	1.93	1.43	1.04	8.72	8.49	7.73	7.99	3.92	2.99
NGC 5866	1991RC3.9.C...0000d	---	0.35	0.35	0.25	0.29	1.19	0.77	---	0.34	0.34	0.20	0.23	1.35	0.96	---	5.29	5.26	5.00	5.08	2.02	1.44	---	17.23	17.18	16.98	17.27	3.83	2.93
NGC 5861	1995ApJS...98..219Y	0.94	0.73	0.72	0.51	0.54	1.48	0.99	1.01	1.54	1.42	1.26	1.29	1.19	0.86	1.01	11.50	11.41	10.12	10.16	2.16	1.58	1.04	20.96	20.97	20.53	20.76	4.04	3.00
NGC 5833	1991RC3.9.C...0000d	0.99	0.83	0.83	0.61	0.65	1.42	0.92	0.97	0.99	0.99	0.77	0.80	1.33	0.90	0.99	7.29	7.29	7.16	7.06	2.03	1.52	1.15	22.42	19.09	19.79	20.80	3.68	2.86
UGCA 402	1996ApJS..107...97M	1.06	0.60	0.54	0.38	0.43	1.52	0.97	1.07	0.72	0.64	0.52	0.49	1.68	1.12	0.97	5.73	5.70	4.98	5.01	2.23	1.60	1.09	13.87	13.78	14.37	14.14	3.83	2.96
CGCG 049-057	1995ApJS...98..219Y	---	0.02	-0.01	0.00	0.07	0.52	0.40	1.02	0.96	0.95	0.81	0.86	1.15	0.82	1.04	22.73	22.47	21.89	21.81	1.96	1.46	1.06	31.71	31.74	31.53	32.16	3.84	2.94
NGC 5900	1991RC3.9.C...0000d	1.05	0.39	0.40	0.34	0.36	1.23	0.82	1.01	0.72	0.72	0.70	0.69	1.09	0.84	1.02	7.59	7.57	7.51	7.44	1.97	1.47	1.02	16.42	16.41	16.95	17.22	3.77	2.88
NGC 5907	1995ApJS...98..219Y	1.15	1.29	1.18	0.50	0.63	2.59	1.11	0.96	1.49	1.44	0.74	0.92	2.07	1.03	0.76	9.26	9.14	5.70	6.00	2.92	2.27	0.88	37.68	37.43	33.62	34.00	4.21	3.29
VV 705	1991ApJ...370..158S	1.32	0.31	0.29	0.21	0.25	1.02	0.72	1.01	1.41	1.40	1.42	1.46	1.05	0.77	0.99	8.89	8.88	9.02	9.05	1.89	1.40	1.00	9.65	9.66	10.00	10.07	3.68	2.87
NGC 5915	1991RC3.9.C...0000d	0.98	0.42	0.45	0.46	0.48	1.06	0.75	1.01	1.27	1.30	1.36	1.40	1.05	0.75	1.01	11.26	10.68	10.70	10.71	1.94	1.44	1.10	18.80	17.02	14.89	16.41	3.85	2.94
ESO 099-G004	1992ApJS...83...29S	0.97	0.27	0.24	0.29	0.29	0.97	0.77	0.98	1.50	1.42	1.46	1.50	1.04	0.76	0.95	10.29	10.03	10.30	10.44	1.89	1.39	0.91	13.21	13.37	13.65	13.85	3.76	2.89
NGC 5930	1991RC3.9.C...0000d	0.81	0.43	0.42	0.35	0.36	1.18	0.87	0.99	1.67	1.67	1.60	1.64	1.11	0.82	1.02	9.52	9.44	9.36	9.50	1.96	1.42	1.00	13.84	13.78	13.68	13.85	3.86	2.95
IRAS F15250+3608	2001AJ....121...97M	1.33	0.20	0.16	0.13	0.14	1.50	1.22	1.02	1.25	1.24	1.31	1.31	1.04	0.79	0.99	7.08	7.03	7.10	7.34	1.89	1.37	1.03	5.79	5.78	5.93	6.04	3.69	2.84
NGC 5936	1995ApJS...98..219Y	1.04	0.54	0.54	0.48	0.50	1.14	0.86	1.01	1.52	1.47	1.29	1.34	1.16	0.83	1.02	9.06	8.98	8.73	8.93	1.93	1.39	1.05	18.20	18.04	17.66	18.16	3.84	2.89
NGC 5937	1998A&AS..130..333T	0.93	0.76	0.75	0.68	0.70	1.27	0.91	1.07	1.49	1.47	1.12	1.21	1.31	0.89	1.02	10.61	10.41	9.86	10.02	2.03	1.46	1.04	21.74	21.44	21.47	21.54	3.87	2.96
NGC 5953	1995ApJS...98..219Y	1.01	0.82	0.82	0.57	0.67	1.39	0.85	1.01	1.67	1.58	1.14	1.19	1.53	1.08	1.02	11.85	11.79	10.94	10.91	2.13	1.55	1.02	20.47	20.38	19.89	20.05	3.88	2.98
UGC 09913	1997ApJ...478..144S	0.95	0.63	0.61	0.50	0.55	1.06	0.76	1.01	8.06	7.94	8.00	8.12	1.05	0.78	1.01	107.23	106.34	104.09	105.73	1.96	1.43	1.01	120.22	119.44	115.29	117.62	3.99	3.01
NGC 5962	1988ApJ...335..104M	1.01	0.73	0.73	0.59	0.63	1.33	0.94	0.99	1.06	1.04	0.90	0.95	1.30	0.90	0.99	8.93	8.93	8.56	8.62	2.06	1.47	1.05	22.52	22.20	21.82	21.81	3.89	3.01
NGC 5990	1988ApJ...335..104M	1.05	0.66	0.61	0.60	0.64	1.02	0.75	1.04	1.60	1.51	1.60	1.62	1.03	0.76	1.04	9.71	9.64	9.59	9.74	1.90	1.41	1.11	17.17	17.12	17.14	17.68	3.74	2.85
NGC 6000	1995ApJS...98..219Y	1.00	1.49	1.48	1.23	1.28	1.17	0.87	1.00	5.36	5.35	5.00	5.09	1.13	0.82	0.96	36.87	36.85	35.64	35.76	2.01	1.48	1.00	52.11	51.64	54.94	55.19	3.81	2.92
NGC 6052	1988ApJ...335..104M	1.08	0.24	0.22	0.28	0.26	1.05	0.83	1.01	0.80	0.74	0.83	0.81	1.14	0.84	1.05	6.74	6.71	6.79	6.89	1.93	1.39	1.04	11.65	11.04	10.57	10.78	3.86	2.95
NGC 6090	1995ApJS...98..219Y	0.90	0.27	0.26	0.26	0.27	1.05	0.80	1.02	1.25	1.24	1.13	1.17	1.11	0.82	1.04	6.62	6.58	6.48	6.52	1.97	1.46	1.01	9.30	9.32	9.41	9.69	3.72	2.84
ESO 137-G014	1992ZCAT..M...0000H	1.00	0.33	0.29	0.29	0.29	1.58	0.95	1.02	1.00	0.97	1.00	0.99	1.08	0.82	0.98	5.87	5.83	6.16	6.18	1.89	1.38	1.05	7.48	7.29	7.79	8.12	3.59	2.83
IC 4595	1996ApJS..107...97M	1.00	0.72	0.70	0.47	0.52	1.44	0.97	0.92	0.73	0.69	0.67	0.64	1.34	0.94	0.97	7.06	7.05	6.62	6.57	2.10	1.54	1.00	18.13	18.05	18.64	18.75	3.80	2.90
IRAS F16164-0746	1992ApJS...83...29S	0.31	0.89	0.88	0.00	0.65	1.45	0.76	1.00	0.62	0.55	0.60	0.59	1.00	0.79	0.97	10.80	10.59	10.29	10.53	1.95	1.42	0.93	13.57	13.42	13.22	13.52	3.78	2.90
CGCG 052-037	1991RC3.9.C...0000d	0.89	0.25	0.17	0.25	0.25	1.15	0.79	1.47	0.72	0.68	0.81	0.81	1.03	0.75	0.95	7.20	7.10	7.00	7.15	1.94	1.43	0.90	11.51	11.35	11.23	11.47	3.75	2.91
ESO 452-G005	1998A&AS..130..333T	0.99	1.07	1.03	0.48	0.61	1.92	0.96	1.02	1.26	1.18	0.69	0.78	1.70	0.93	0.97	6.07	5.86	6.44	6.12	1.98	1.46	---	0.00	-6.07	10.04	0.00	0.00	0.00
NGC 6181	1995ApJS...98..219Y	0.97	0.66	0.63	0.53	0.58	1.41	0.87	1.04	1.39	1.41	1.05	1.11	1.39	0.93	0.96	9.00	8.94	8.13	8.32	2.10	1.48	0.99	21.89	21.52	20.83	21.16	3.96	2.92
NGC 6156	1995AJ....110.1993S	1.01	1.25	1.23	0.96	1.01	1.32	0.91	0.99	2.75	2.71	2.37	2.45	1.20	0.85	0.98	17.30	17.17	15.99	16.06	2.07	1.50	1.03	35.06	33.64	32.00	33.30	3.92	2.96
ESO 069-IG006	1995AJ....110.1993S	1.00	0.24	0.24	0.25	0.28	1.01	0.71	0.97	0.62	0.58	0.71	0.69	1.02	0.76	0.97	7.22	7.18	7.08	7.18	1.93	1.42	1.00	12.06	11.95	12.68	12.70	3.80	2.96
NGC 6217	1995ApJS...98..219Y	0.96	0.74	0.74	0.49	0.52	1.57	1.08	1.00	2.05	2.03	1.62	1.69	1.36	0.91	1.01	11.38	11.35	10.56	10.69	2.09	1.50	0.94	21.37	21.17	20.62	21.06	3.93	2.94
IRAS F16399-0937	1992ApJS...83...29S	---	0.42	0.42	0.22	0.27	1.34	0.95	---	1.15	1.13	1.12	1.13	1.09	0.81	---	9.13	9.01	8.26	8.42	2.01	1.47	---	19.52	17.91	13.62	14.72	4.92	3.26
ESO 453-G005	1998A&AS..130..333T	---	0.06	0.10	0.00	0.14	0.75	0.55	1.42	0.65	0.61	0.40	0.45	1.36	0.99	0.97	10.89	10.77	9.09	9.56	1.99	1.45	0.93	10.74	9.78	12.17	11.34	3.82	2.99
NGC 6215	1991RC3.9.C...0000d	0.98	1.98	1.94	1.35	1.42	1.52	1.05	0.99	3.59	3.53	2.74	2.82	1.44	1.00	0.97	30.24	29.97	26.96	27.32	2.18	1.52	0.98	47.17	47.10	47.55	48.19	3.92	2.95
NGC 6221	1991RC3.9.C...0000d	0.99	3.14	3.11	1.60	1.89	1.92	1.19	0.97	7.50	7.48	5.55	5.94	1.37	0.91	1.00	49.35	49.07	40.81	41.71	2.33	1.63	1.02	86.09	86.06	80.22	81.57	4.21	3.10
NGC 6240	1997ApJ...478..144S	0.89	0.64	0.66	0.59	0.59	1.10	0.83	0.97	3.68	3.65	3.55	3.60	1.07	0.80	1.01	23.04	22.90	22.94	22.90	1.94	1.44	0.97	26.86	26.63	26.49	27.27	3.77	2.90
IRAS F16516-0948	1992ApJS...83...29S	1.29	0.22	0.16	0.27	0.26	1.00	0.73	1.09	0.48	0.42	0.49	0.50	1.14	0.82	0.81	6.33	6.23	5.05	5.32	2.13	1.51	0.75	14.26	13.36	11.43	11.65	4.41	3.24
NGC 6286	1995ApJS...98..219Y	0.94	0.48	0.47	0.36	0.42	1.11	0.75	0.97	0.62	0.62	0.51	0.54	1.15	0.85	0.94	9.32	9.24	7.74	8.18	2.22	1.50	1.05	23.28	23.11	21.66	22.18	4.01	3.04
NGC 6300	1991RC3.9.C...0000d	0.99	1.73	1.71	0.78	0.95	2.02	1.32	0.99	3.30	3.25	2.29	2.45	1.53	0.91	0.97	16.98	16.72	13.67	13.64	2.41	1.73	1.01	42.60	42.45	39.54	39.99	4.21	3.13
IRAS F17132+5313	1991ApJ...370..158S	2.00	0.25	0.24	0.12	0.17	1.16	0.71	0.98	0.63	0.64	0.65	0.66	1.09	0.79	0.96	6.04	6.03	6.07	6.08	1.92	1.42	0.94	8.16	8.06	7.90	7.94	3.79	2.96
IRAS F17138-1017	1998ApJ...497..163S	1.02	0.57	0.49	0.63	0.65	0.96	0.70	1.01	2.23	2.18	2.12	2.16	1.10	0.80	0.96	14.99	14.96	15.18	15.54	1.93	1.38	0.91	19.61	19.46	19.02	19.79	3.85	2.92
IRAS F17207-0014	1990A&A...236..327M	0.67	0.25	0.21	0.20	0.21	1.14	0.86	0.94	1.73	1.65	1.61	1.65	1.08	0.80	0.93	33.16	32.82	32.13	32.63	1.94	1.43	0.96	38.09	37.69	35.49	36.08	3.98	2.98
ESO 138-G027	1995AJ....110.1993S	0.89	0.35	0.37	0.33	0.34	1.08	0.83	1.01	1.31	1.34	1.35	1.35	1.10	0.79	0.97	9.56	9.38	9.53	9.64	1.91	1.43	0.97	10.44	9.87	11.05	11.05	3.57	2.80
IC 4662	1991RC3.9.C...0000d	1.29	0.32	0.27	0.16	0.20	1.12	0.74	0.97	1.28	1.27	1.10	1.13	1.18	0.86	0.95	8.90	8.82	7.90	8.28	2.13	1.45	0.90	11.89	11.89	11.38	11.27	4.04	3.08
CGCG 083-025	1992ApJS...83...29S	---	0.10	0.10	0.11	0.12	0.91	0.54	1.32	0.53	0.50	0.37	0.41	1.32	0.78	0.98	7.23	7.19	7.10	7.46	1.88	1.34	0.94	9.75	9.72	9.81	9.90	3.84	2.96
NGC 6503	1995ApJS...98..219Y	0.96	1.11	1.08	0.38	0.50	2.40	1.68	1.00	1.07	1.06	0.45	0.54	2.33	1.58	0.99	10.18	10.08	7.42	7.53	2.67	1.90	1.01	29.44	29.29	26.80	27.48	4.23	3.10
UGC 11041	1991RC3.9.C...0000d	1.02	0.53	0.51	0.38	0.42	1.14	0.83	0.96	0.74	0.71	0.69	0.70	1.11	0.82	0.96	6.10	6.08	5.84	5.96	1.97	1.45	0.95	13.14	12.97	12.78	12.84	3.86	3.00
CGCG 141-034	1992ApJS...83...29S	1.12	0.17	0.13	0.18	0.16	1.36	0.78	1.02	0.61	0.60	0.56	0.56	1.03	0.80	0.95	6.15	6.16	6.24	6.30	1.91	1.39	1.00	10.91	10.55	9.69	10.07	3.97	3.01
IRAS 17578-0400	1992ApJS...83...29S	0.59	0.38	1.10	0.00	1.30	1.04	0.82	0.99	1.09	1.15	1.14	1.20	0.96	0.71	0.96	28.10	28.09	27.69	27.54	1.98	1.48	0.94	30.14	29.07	33.10	32.89	3.67	2.84

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
(1)	(2)	N/O (3)	zc Jy (4)	tot Jy (5)	temp Jy (6)	peak Jy (7)	W25 ′ (8)	W50 ′ (9)	N/O (10)	zc Jy (11)	tot Jy (12)	temp Jy (13)	peak Jy (14)	W25 ′ (15)	W50 ′ (16)	N/O (17)	zc Jy (18)	tot Jy (19)	temp Jy (20)	peak Jy (21)	W25 ′ (22)	W50 ′ (23)	N/O (24)	zc Jy (25)	tot Jy (26)	temp Jy (27)	peak Jy (28)	W25 ′ (29)	W50 ′ (30)
IRAS 18090+0130	1992ApJS...83...29S	1.00	0.27	0.20	0.30	0.28	1.11	0.89	1.00	0.67	0.54	0.81	0.75	0.98	0.77	0.97	8.17	8.00	7.67	7.73	1.98	1.45	0.98	19.88	18.27	14.43	15.64	4.42	3.17
IC 4687/6	1991RC3.9.C...0000d	0.96	1.03	1.01	0.60	0.70	1.34	0.91	0.99	3.61	3.55	2.22	2.56	1.48	0.95	0.97	20.38	20.20	15.22	16.20	2.70	1.67	0.94	27.52	27.54	25.67	26.64	4.17	3.05
NGC 6574	1995ApJS...98..219Y	0.93	0.98	0.95	0.91	0.97	1.15	0.82	1.02	1.72	1.70	1.73	1.73	1.16	0.83	1.02	15.13	14.68	14.57	14.69	1.93	1.42	0.95	26.01	25.03	26.03	26.54	3.71	2.83
ESO 140-G012	1997AJ....113...22G	0.82	0.49	0.43	0.41	0.42	1.32	1.00	0.98	1.00	0.98	1.02	1.03	1.05	0.78	0.97	5.68	5.64	5.69	5.79	1.93	1.39	0.97	9.02	8.95	9.51	9.31	3.76	2.89
NGC 6621	1991ApJ...370..158S	1.00	0.30	0.27	0.31	0.32	1.04	0.72	0.95	1.02	1.01	0.97	0.97	1.08	0.82	0.97	6.74	6.72	6.78	6.86	1.92	1.41	0.97	11.77	11.76	12.01	12.22	3.77	2.89
CGCG 142-034	1983ApJS...52...89H	1.11	0.29	0.27	0.30	0.30	1.13	0.87	1.02	0.52	0.48	0.55	0.54	1.09	0.80	0.95	6.35	6.18	6.25	6.34	1.92	1.41	0.95	11.79	11.33	11.94	11.82	3.72	2.94
NGC 6643	1995ApJS...98..219Y	1.00	1.25	1.26	0.78	0.86	1.61	1.15	1.08	1.43	1.42	1.06	1.09	1.54	1.07	0.97	12.08	12.02	10.72	10.62	2.23	1.61	0.99	32.88	32.75	31.63	32.80	3.95	2.91
IRAS F18293-3413	1992ApJS...83...29S	1.13	1.11	1.07	1.14	1.15	1.04	0.79	0.99	4.05	4.02	3.98	4.03	1.09	0.80	0.99	37.40	36.73	35.71	36.64	1.92	1.40	1.05	55.50	54.78	53.38	56.43	3.74	2.82
NGC 6670A/B	1992ApJS...83...29S	0.95	0.38	0.37	0.36	0.37	1.09	0.81	1.04	1.02	1.03	1.05	1.06	1.09	0.80	0.98	8.93	8.91	8.98	8.86	1.99	1.46	0.97	14.23	14.06	14.20	14.65	3.74	2.89
IC 4734	1996ApJS..107...97M	0.95	0.38	0.41	0.38	0.38	1.11	0.83	0.94	1.43	1.35	1.33	1.36	1.13	0.80	0.98	14.72	14.55	14.04	14.36	1.95	1.43	0.98	25.77	25.47	25.31	25.97	3.73	2.85
NGC 6701	1995ApJS...98..219Y	0.96	0.57	0.55	0.44	0.47	1.24	0.88	1.00	1.33	1.32	1.22	1.23	1.15	0.83	0.96	10.39	10.38	10.05	10.20	2.00	1.45	0.97	20.79	20.68	20.05	20.58	3.92	2.92
NGC 6745	1991RC3.9.C...0000d	1.00	0.34	0.33	0.22	0.24	1.34	1.00	0.97	0.78	0.73	0.76	0.74	1.31	0.92	0.97	7.04	6.97	6.59	6.65	2.06	1.48	0.95	12.57	12.27	11.91	12.17	3.87	2.96
NGC 6744	1991RC3.9.C...0000d	---	2.97	1.73	0.00	0.42	-0.10	-0.10	---	3.46	1.95	0.00	0.54	-0.10	-0.10	---	18.92	13.00	0.00	4.69	-0.10	-0.10	---	70.21	59.46	22.25	29.04	-0.10	6.75
NGC 6764	1991RC3.9.C...0000d	1.06	0.55	0.54	0.37	0.40	1.22	0.92	0.95	1.39	1.37	1.33	1.34	1.10	0.81	0.95	6.64	6.62	6.25	6.36	1.98	1.48	0.99	12.58	12.44	11.76	11.92	3.90	3.01
NGC 6753	1991RC3.9.C...0000d	1.02	0.94	0.94	0.58	0.63	1.57	1.09	1.00	0.97	0.98	0.75	0.76	1.55	1.10	0.96	9.80	9.79	9.01	9.10	2.12	1.53	0.96	28.46	28.15	27.14	27.88	3.92	3.00
ESO 593-IG008	1992ApJS...83...29S	0.90	0.22	0.20	0.18	0.22	1.12	0.64	1.09	0.50	0.52	0.51	0.55	1.12	0.76	0.97	6.32	6.32	6.38	6.26	1.99	1.48	0.91	9.38	9.33	9.37	9.68	3.76	2.87
NGC 6786/UGC11415	1991RC3.9.C...0000d	2.69	0.46	0.43	0.00	0.22	2.14	1.02	1.82	1.44	1.42	0.65	0.85	2.14	1.66	1.29	7.63	7.58	5.14	4.95	2.90	2.33	1.05	11.63	11.09	10.77	10.74	4.13	3.08
IRAS F19297-0406	1997ApJ...478..144S	---	0.08	0.02	0.06	0.10	0.48	0.39	1.03	0.60	0.61	0.69	0.72	0.94	0.68	0.98	7.61	7.29	7.32	7.28	1.99	1.47	1.10	9.10	8.35	7.96	8.62	3.65	2.75
NGC 6808	1991RC3.9.C...0000d	1.09	0.77	0.75	0.61	0.67	1.19	0.80	0.94	0.89	0.86	0.87	0.88	1.16	0.84	0.94	7.65	7.54	7.36	7.59	2.00	1.39	0.98	18.12	17.85	17.91	18.16	3.77	2.91
NGC 6810	1992ApJS...81..413M	1.00	1.33	1.27	1.05	1.09	1.18	0.88	1.01	3.61	3.57	3.55	3.55	1.09	0.82	0.95	18.90	18.77	18.20	18.00	2.01	1.47	0.98	33.30	33.07	32.60	32.70	3.88	2.97
NGC 6814	1995ApJS...98..219Y	0.88	0.95	0.92	0.46	0.57	1.55	1.08	1.27	1.04	0.91	0.56	0.61	1.57	1.09	0.95	6.57	6.53	5.37	5.37	2.41	1.72	1.00	19.74	19.67	18.70	18.95	4.04	3.05
UGC 11466	1996A&AS..116...15K	0.92	0.37	0.35	0.37	0.38	1.07	0.77	0.98	0.91	0.91	0.87	0.89	1.11	0.80	0.98	9.26	9.20	8.84	8.98	1.98	1.46	0.97	14.52	14.40	15.43	15.72	3.74	2.83
NGC 6822	1998salg.conf..263M	---	0.29	0.30	0.00	0.15	2.38	1.05	---	0.10	0.14	0.00	0.14	1.11	0.32	---	24.05	7.72	2.00	3.54	-0.10	3.37	---	44.17	23.68	2.79	12.06	-0.10	-0.10
NGC 6824	1992ApJS...83...29S	1.02	0.48	0.46	0.51	0.54	1.03	0.72	1.02	0.64	0.64	0.64	0.67	1.14	0.77	0.98	5.90	5.86	5.82	5.83	1.97	1.46	0.99	15.39	15.29	15.16	15.23	3.87	2.99
NGC 6835	1991RC3.9.C...0000d	1.02	0.65	0.65	0.46	0.50	1.26	0.85	0.99	1.34	1.41	1.37	1.37	1.09	0.81	0.97	11.62	11.52	11.16	11.23	1.98	1.47	1.05	19.61	17.01	16.07	16.82	3.88	2.97
IRAS 19542+1110	1995AJ....110.1993S	---	0.07	0.01	0.08	0.06	1.38	0.79	1.03	0.81	0.77	0.60	0.61	1.27	0.91	0.98	6.16	6.07	6.18	6.25	1.90	1.41	0.92	6.11	5.82	6.22	6.09	3.80	2.96
ESO 339-G011	1996ApJS..107...97M	0.90	0.41	0.42	0.36	0.39	1.20	0.74	0.94	1.04	1.12	1.20	1.19	1.00	0.76	0.99	5.81	5.81	5.96	6.07	1.89	1.35	0.94	9.70	9.24	9.27	9.76	3.60	2.80
IC 4946	1991RC3.9.C...0000d	1.08	0.25	0.15	0.26	0.23	1.03	0.80	0.97	0.51	0.39	0.65	0.62	0.97	0.72	0.99	5.25	5.21	5.24	5.23	1.96	1.44	1.00	6.40	6.39	6.74	7.04	3.70	2.81
NGC 6907	1990ApJ...362..473T	1.51	1.19	0.83	0.61	0.64	1.44	1.04	1.04	1.98	1.94	1.36	1.48	1.56	0.92	0.93	14.18	14.14	12.60	12.51	2.20	1.61	0.98	30.58	30.55	29.59	29.68	3.98	3.05
MCG+04-48-002	1992ApJS...83...29S	1.00	0.48	0.46	0.52	0.51	1.00	0.77	1.01	1.00	0.96	1.09	1.05	1.04	0.80	0.97	9.95	9.82	9.93	10.02	1.91	1.41	0.95	18.10	17.95	17.36	17.61	3.84	2.97
NGC 6918	1991RC3.9.C...0000d	1.00	0.30	0.32	0.30	0.31	1.05	0.81	1.01	1.25	1.26	1.34	1.33	1.04	0.79	0.96	9.25	9.20	9.17	9.37	1.93	1.41	0.98	13.59	13.61	13.76	14.07	3.80	2.89
NGC 6926	1991RC3.9.C...0000d	0.97	0.64	0.63	0.34	0.43	1.81	0.92	1.00	1.07	1.03	0.50	0.62	1.82	1.25	0.97	7.18	7.09	5.90	5.87	2.41	1.74	0.84	16.53	15.17	14.38	14.72	4.07	3.00
NGC 6946	1995ApJS...98..219Y	1.00	12.11	8.70	2.31	3.66	-0.20	1.28	0.98	20.70	15.73	6.78	8.71	2.26	1.00	0.95	129.78	108.80	54.16	67.61	3.63	1.90	0.84	290.69	271.18	160.81	179.21	6.80	4.17
IRAS 20351+2521	1995AJ....110.1993S	1.13	0.21	0.15	0.26	0.24	1.05	0.79	0.92	0.77	0.75	0.71	0.73	1.10	0.79	0.95	5.90	5.85	5.93	5.94	1.91	1.44	0.95	8.16	8.07	8.95	8.90	3.62	2.83
NGC 6951	1995ApJS...98..219Y	0.99	1.34	1.34	0.55	0.70	2.27	1.43	0.99	2.16	2.16	1.29	1.45	1.81	1.01	0.94	16.39	16.24	13.62	13.92	2.28	1.60	0.96	42.30	41.77	37.30	38.59	4.23	3.08
IC 5063	1991RC3.9.C...0000d	0.96	1.15	1.14	1.11	1.16	1.01	0.76	0.98	3.95	3.93	3.94	3.96	1.06	0.79	0.96	5.79	5.79	5.87	5.87	1.91	1.42	0.99	3.66	3.45	4.25	4.17	3.57	2.73
CGCG 448-020	1988ApJ...335..104M	0.96	0.21	0.09	0.26	0.24	1.05	0.65	1.01	2.34	2.33	2.30	2.32	1.08	0.81	0.96	12.77	12.74	12.65	12.62	1.95	1.45	1.01	11.50	11.50	11.76	12.11	3.74	2.85
ESO 286-IG019	1990A&A...236..327M	0.85	0.33	0.32	0.28	0.29	1.06	0.83	0.94	1.89	1.91	1.87	1.88	1.10	0.80	0.97	12.39	12.35	12.19	12.59	1.93	1.43	0.98	10.36	10.31	10.31	10.44	3.77	2.92
ESO 286-G035	1992ApJS...83...29S	0.98	0.43	0.42	0.31	0.31	1.13	0.91	0.98	0.81	0.82	0.81	0.81	1.08	0.82	1.12	8.55	7.71	7.40	7.63	1.94	1.42	0.97	13.40	13.17	12.60	13.25	3.76	2.86
IRAS 21101+5810	1992ApJS...83...29S	0.75	0.20	0.15	0.17	0.16	1.37	1.18	1.01	0.86	0.82	0.69	0.70	1.28	0.89	0.97	7.98	7.94	7.28	7.33	2.00	1.48	0.95	13.18	11.89	10.98	11.08	4.21	3.11
ESO 402-G026	1998A&AS..130..333T	1.00	0.31	0.28	0.33	0.32	1.04	0.81	1.20	0.65	0.59	0.77	0.76	1.03	0.74	0.99	6.39	6.38	6.59	6.53	1.89	1.42	1.06	11.75	11.66	12.00	11.94	3.69	2.90
NGC 7083	1991RC3.9.C...0000d	1.13	0.70	0.71	0.35	0.41	1.97	1.30	1.01	0.88	0.87	0.39	0.47	2.12	1.48	0.96	5.87	5.84	4.66	4.69	2.47	1.77	0.93	17.08	16.98	16.40	16.87	3.97	2.98
NGC 7090	1991RC3.9.C...0000d	1.13	0.43	0.43	0.16	0.21	2.19	1.84	0.97	0.79	0.76	0.36	0.42	2.17	1.33	0.96	8.22	8.15	5.69	5.83	2.83	1.93	0.99	19.89	19.74	17.14	17.72	4.50	3.25
ESO 343-IG013	1976ApJ...208..267G	1.22	0.25	0.24	0.28	0.25	1.07	0.88	0.90	0.97	0.98	0.87	0.90	1.10	0.83	0.98	6.25	6.20	6.27	6.37	1.91	1.40	0.96	8.57	8.26	8.69	8.70	3.73	2.96
NGC 7130	1991RC3.9.C...0000d	0.94	0.64	0.63	0.58	0.62	1.08	0.80	0.99	2.15	2.10	2.16	2.26	1.03	0.74	0.99	16.85	16.78	16.71	16.70	1.95	1.44	1.00	26.96	26.70	25.89	26.39	3.88	2.95
NGC 7172	1997ApJS..110....1D	0.86	0.43	0.38	0.42	0.43	1.09	0.79	0.94	0.95	0.88	0.77	0.80	1.14	0.84	0.96	5.74	5.73	5.76	5.85	1.93	1.41	1.03	19.84	12.43	11.73	12.42	3.75	2.96
UGC 11898	1992ApJS...83...29S	---	0.08	-0.04	0.00	0.10	0.90	0.79	1.01	0.75	0.73	0.76	0.75	1.08	0.79	0.97	9.55	9.54	9.59	9.82	1.90	1.38	1.07	17.36	15.01	14.37	14.62	3.85	3.04
NGC 7205	1991RC3.9.C...0000d	0.94	1.02	1.00	0.70	0.73	1.52	1.14	0.98	1.52	1.51	0.97	1.04	1.66	1.14	0.91	9.90	9.80	8.69	8.96	2.21	1.54	0.99	28.02	27.99	27.72	27.96	3.86	2.94
NGC 7217	1995ApJS...98..219Y	1.02	0.69	0.62	0.35	0.37	1.63	1.27	0.99	0.69	0.69	0.25	0.34	2.83	1.62	0.97	6.09	6.05	5.10	5.21	2.28	1.61	1.04	20.92	20.76	19.48	19.67	4.08	3.06
ESO 467-G027	1992ApJS...81..413M	1.05	0.36	0.25	0.44	0.43	0.97	0.74	0.95	0.63	0.61	0.58	0.64	1.09	0.71	0.98	5.78	5.71	5.58	5.64	1.95	1.43	1.03	12.62	12.57	12.48	12.49	3.81	2.97
IC 5179	1996ApJS..107...97M	0.92	1.30	1.29	1.18	1.20	1.14	0.83	0.97	2.41	2.40	2.26	2.27	1.16	0.85	0.98	20.11	19.77	19.39	19.78	1.97	1.43	1.01	39.11	38.49	37.29	38.31	3.86	2.95
NGC 7253A/B	1991RC3.9.C...0000d	1.38	0.40	0.29	0.24	0.24	1.58	0.92	0.95	0.57	0.58	0.53	0.51	1.26	0.92	0.95	6.89	6.88	6.65	6.66	2.01	1.48	0.99	13.60	13.43	13.44	13.65	3.86	2.89
ESO 602-G025	1996ApJS..107...97M	1.00	0.22	0.21	0.27	0.29	0.83	0.62	1.08	0.91	0.91	0.76	0.78	1.23	0.89	0.89	5.39	5.36	5.42	5.48	1.90	1.38	0.93	8.96	8.92	9.64	9.40	3.65	2.90
NGC 7331	2001ApJ...553...47F	---	3.94	3.66	0.70	1.26	-0.10	2.36	---	5.92	5.19	0.91	1.86	3.38	2.29	---	45.00	41.99	24.78	26.50	3.20	2.22	---	115.04	110.16	85.10	89.46	4.93	3.48
ESO 534-G009	1996ApJS..107...97M	1.15	0.48	0.46	0.26	0.32	1.40	1.14	0.85	0.65	0.63	0.50	0.50	1.15	0.88	0.98	6.21	6.19	6.03	6.12	1.96	1.43	0.97	11.49	11.48	11.78	11.77	3.81	2.97
UGC 12150	1992ZCAT..M...0000H	1.19	0.43	0.42	0.37	0.42	0.93	0.66	1.04	0.74	0.77	0.82	0.84	0.99	0.74	0.98	8.09	7.97	8.00	8.06	1.94	1.42	1.03	15.55	15.51	15.58	16.04	3.81	2.87
ESO 239-IG002	1993MNRAS.263..349S	1.11	0.15	0.14	0.10	0.12	0.87	0.71	1.04	1.17	1.17	1.08	1.10	1.15	0.81	0.96	7.10	7.04	7.24	7.38	1.90	1.39	0.98	8.28	8.12	7.92	8.12	3.79	2.86
IRAS F22491-1808	1991ApJ...370..158S	---	0.11	0.13	0.00	0.08	0.52	0.33	0.96	0.45	0.38	0.54	0.53	1.02	0.75	1.05	5.52	5.52	5.54	5.58	1.92	1.39	1.01	4.24	4.15	4.64	4.74	3.74	2.78
NGC 7418	1996ApJS..107...97M	---	0.71	0.66	0.00	0.32	2.38	1.93	---	0.70	0.69	0.36	0.41	1.73	1.35	---	6.67	5.44	4.23	4.32	2.55	1.76	---	16.24	16.15	16.07	16.50	4.04	2.96
NGC 7448	1990ApJ...362..473T	0.90	0.53	0.49	0.45	0.42	1.27	0.96	0.92	0.85	0.77	0.61	0.61	1.62	1.19	1.07	8.89	8.88	7.83	7.86	2.29	1.62	1.05	18.69	18.56	17.89	18.20	4.01	3.03

TABLE 7—*Continued*

Name	Redshift Reference	12μm							25μm							60μm							100μm						
		N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50	N/0	zc	tot	temp	peak	W25	W50
			Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′		Jy	Jy	Jy	Jy	′	′
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
NGC 7465	1993ApJS...88..383L	0.74	0.31	0.25	0.26	0.24	1.12	0.87	0.81	0.72	0.67	0.38	0.43	1.29	0.97	0.99	5.57	5.47	3.19	3.78	3.54	1.56	0.96	8.24	8.14	7.60	7.45	4.75	3.36
NGC 7469	1995ApJS...98..219Y	0.99	1.58	1.59	1.27	1.34	1.18	0.83	1.02	6.27	6.07	5.96	6.14	1.05	0.77	0.99	28.58	28.38	27.33	27.86	2.00	1.42	1.01	35.83	35.82	35.16	36.41	3.85	2.93
NGC 7479	1995ApJS...98..219Y	0.98	1.39	1.37	0.82	0.93	1.79	1.05	0.98	3.91	3.86	3.36	3.42	1.21	0.87	0.97	14.97	14.93	13.14	13.17	2.21	1.56	1.09	26.79	26.73	25.39	25.62	4.08	3.05
CGCG 453-062	1988ApJ...335..104M	1.00	0.18	0.23	0.19	0.20	0.95	0.76	1.02	0.63	0.56	0.54	0.61	1.07	0.69	1.02	7.19	7.13	7.19	7.20	1.93	1.42	1.13	14.06	12.91	10.97	11.73	4.15	3.11
NGC 7496	1991RC3.9.C...0000d	0.87	0.62	0.58	0.33	0.40	1.95	0.95	0.99	2.00	1.93	1.61	1.71	1.19	0.83	0.94	10.21	10.14	9.12	9.29	2.12	1.50	1.00	16.59	16.57	15.64	16.02	4.06	3.00
IRAS 23085+6723	1992ApJS...83...29S	1.00	0.41	0.36	0.44	0.44	1.05	0.79	0.99	1.97	1.94	1.94	1.97	1.07	0.79	1.02	7.92	7.65	7.33	7.64	1.93	1.40	0.89	6.95	6.01	9.06	8.26	3.41	2.70
NGC 7541	1995ApJS...98..219Y	1.02	1.51	1.52	0.92	1.06	1.47	0.97	1.05	2.13	2.09	1.70	1.72	1.32	0.92	0.98	20.22	20.08	18.53	18.65	2.10	1.51	1.03	42.80	42.76	41.87	42.06	3.88	3.00
ESO 148-IG002	1990A&A...236..327M	1.00	0.33	0.35	0.26	0.28	1.13	0.78	0.99	1.47	1.45	1.64	1.63	1.02	0.76	0.98	10.87	10.82	10.94	11.20	1.89	1.38	0.97	10.83	10.63	10.68	10.73	3.82	2.95
NGC 7552	1991RC3.9.C...0000d	1.06	3.88	3.76	3.02	3.17	1.12	0.84	0.96	12.53	12.45	11.92	12.19	1.11	0.81	1.09	79.99	79.61	77.37	76.98	1.97	1.47	1.03	106.48	106.11	102.92	103.28	3.92	3.07
IC 5298	1991ApJ...370..158S	1.06	0.36	0.34	0.26	0.29	1.18	0.77	1.04	2.08	1.95	1.76	1.79	1.10	0.82	1.04	9.18	9.14	9.06	9.13	1.91	1.42	1.03	12.58	12.53	11.99	12.05	3.88	3.01
NGC 7582	1991RC3.9.C...0000d	1.00	2.31	2.30	1.46	1.62	1.54	0.90	0.99	7.48	7.39	6.27	6.61	1.13	0.81	1.01	52.47	52.20	47.50	48.58	2.08	1.51	1.06	83.27	82.86	78.47	80.14	4.03	3.01
NGC 7591	1988ApJ...335..104M	1.04	0.21	0.13	0.28	0.28	0.91	0.62	1.03	1.28	1.27	0.67	0.81	1.17	0.91	1.01	7.93	7.87	7.45	7.63	1.97	1.43	1.10	14.70	14.70	14.87	15.01	3.87	2.93
NGC 7592	1991ApJ...370..158S	0.96	0.21	0.19	0.26	0.30	0.80	0.61	1.02	0.97	0.93	0.97	0.96	1.11	0.82	1.00	8.11	8.11	8.05	8.09	1.94	1.44	1.01	10.36	10.17	10.58	10.68	3.81	2.89
NGC 7590	1991RC3.9.C...0000d	0.82	0.80	0.69	0.52	0.55	1.29	0.93	0.96	0.95	0.91	0.89	0.86	1.27	0.90	0.91	7.77	7.69	7.12	7.33	2.02	1.44	1.00	21.06	20.79	19.17	19.63	4.04	3.04
NGC 7599	1991RC3.9.C...0000d	0.95	0.78	0.74	0.53	0.58	1.16	0.83	0.99	0.78	0.77	0.65	0.67	1.22	0.89	0.97	6.48	6.39	6.02	6.07	2.07	1.50	0.93	19.62	19.07	17.56	18.31	4.11	3.05
NGC 7625	1995ApJS...98..219Y	1.03	0.59	0.56	0.61	0.63	1.00	0.75	0.95	1.14	1.12	1.04	1.11	1.13	0.79	1.01	8.89	8.85	8.64	8.68	1.99	1.48	1.08	18.75	18.67	18.51	18.52	3.86	3.03
ESO 077-IG014	1992ApJS...83...29S	1.67	0.22	0.20	0.10	0.12	1.20	1.01	1.02	0.45	0.46	0.45	0.44	1.18	0.85	0.97	5.98	5.93	5.70	5.78	1.94	1.44	0.98	10.30	10.26	9.90	10.39	3.86	2.89
NGC 7674	1995ApJS...98..219Y	1.00	0.64	0.56	0.68	0.68	1.02	0.75	1.02	1.79	1.77	1.92	1.93	1.05	0.77	1.02	5.64	5.54	5.36	5.36	1.95	1.45	1.05	8.45	8.45	8.33	8.45	3.81	2.95
NGC 7678	1995ApJS...98..219Y	1.07	0.67	0.63	0.40	0.47	1.50	0.79	1.20	1.16	1.01	0.91	0.91	1.18	0.89	1.00	7.10	6.98	6.62	6.68	2.04	1.49	1.00	15.23	15.03	14.84	15.18	3.90	2.95
NGC 7679	1988ApJ...335..104M	1.00	0.44	0.41	0.50	0.49	0.93	0.73	1.02	1.08	1.07	1.12	1.12	1.09	0.78	1.02	7.67	7.62	7.40	7.41	1.99	1.48	1.01	10.97	10.91	10.71	11.10	3.67	2.86
NGC 7714	1995ApJS...98..219Y	1.00	0.39	0.34	0.47	0.46	0.91	0.72	1.02	2.72	2.52	2.88	2.80	1.07	0.81	1.06	11.42	11.32	11.16	11.16	1.94	1.45	1.05	12.14	12.12	12.26	12.68	3.74	2.88
IRAS F23365+3604	1997ApJ...478..144S	---	0.05	0.04	0.04	0.07	0.47	0.33	1.02	0.98	0.94	0.86	0.87	1.11	0.82	0.97	7.50	7.45	7.44	7.46	1.93	1.43	1.07	9.24	9.16	9.01	9.14	3.85	2.97
MCG -01-60-022	1992ApJS...83...29S	---	0.43	0.41	0.20	0.23	2.01	1.19	---	1.17	1.06	0.68	0.75	1.27	0.93	---	5.37	5.39	4.92	5.13	1.99	1.41	---	8.12	8.12	8.26	8.43	3.75	2.89
IRAS 23436+5257	1992ApJS...83...29S	0.85	0.19	0.20	0.17	0.19	1.02	0.81	0.87	0.79	0.79	0.74	0.76	1.08	0.80	1.02	5.72	5.66	5.39	5.41	1.97	1.47	1.04	11.68	10.66	8.48	9.01	4.42	3.27
NGC 7752/3	1991RC3.9.C...0000d	---	0.59	0.59	0.26	0.35	1.98	1.29	---	0.90	0.83	0.56	0.62	1.89	1.30	---	5.82	5.79	4.88	5.03	2.34	1.61	---	11.28	11.14	11.58	11.76	3.89	2.91
NGC 7771	1995ApJS...98..219Y	1.14	0.98	0.99	0.74	0.82	1.31	0.81	1.00	2.17	2.17	1.74	1.77	1.36	0.92	0.96	20.57	20.35	19.67	19.60	2.02	1.49	1.07	43.33	41.48	40.12	40.92	3.91	2.98
MRK 0331	1995ApJS...98..219Y	1.02	0.46	0.48	0.52	0.55	0.91	0.71	0.99	2.53	2.54	2.37	2.40	1.11	0.81	1.04	18.25	18.15	18.00	18.29	1.96	1.41	1.09	22.48	22.40	22.70	22.72	3.79	2.91
NGC 7793	1991RC3.9.C...0000d	0.99	1.37	1.32	0.32	0.51	-0.20	2.12	0.92	1.77	1.67	0.31	0.60	-0.20	2.31	0.92	18.92	18.14	7.66	9.15	4.22	2.95	0.99	54.93	54.07	40.08	41.57	5.30	3.75
UGC 12914/5	1988ApJ...335..104M	1.07	0.42	0.46	0.31	0.35	1.48	0.98	0.94	0.84	0.83	0.62	0.65	1.56	0.99	1.02	6.45	6.41	6.05	6.07	2.04	1.50	1.05	13.76	13.70	14.11	14.03	3.75	2.91

NOTE.—See the text for explanations of the column contents.

For some objects, values of *temp* are 0.00 or values of *W25* and *W50* are negative in Table 7. These are indications that the point source template amplitude fit failed, which occurred for some very extended objects best measured using the f$_{\nu}$(z) flux estimator; see the example of NGC 1532 at 25 ¯m as plotted in panel (a) of Figure 15.

Perhaps of most immediate interest to those familiar with the previous BGS$_1$+BGS$_2$ data are the *N/O* values given in columns (3), (10), (17) and (24) of Table 7. Part of the differences in the "new" versus "old" flux densities is simply that due to the improved "Pass 3" calibration adopted for the final release of the *IRAS* Level 1 Archive. However, a significant effect is that due to the improved methods of estimating the total flux, in particular the use of f$_{\nu}$(z) when this flux measurement was significantly larger than the other coadd methods due to extended emission not captured by f$_{\nu}$(t). In addition, as mentioned in Section 4.1, many galaxies have profile widths which are not significantly broader than what is expected for a point source, yet there is extended emission in a faint "pedestal" that can be easily seen in the profiles, and reliably measured as a statistically significant excess of the f$_{\nu}$(t) aperture value over the f$_{\nu}$(template) point source fitted value. Figure 13 shows the distribution of the ratio f$_{\nu}$(t)=f$_{\nu}$(template) at 60 ¯m; also plotted are Gaussian fits intended to model the distribution expected solely from noise in the relative f$_{\nu}$(t) and f$_{\nu}$(template) measurements for unresolved objects, data for a sample of comparably bright stars, and 60 ¯m profiles for representative RBGS objects. This information was used as follows to establish the threshold for when f$_{\nu}$(t) could be selected as a reliable, confident indicator of extended emission in excess of the value measured by the point source template fit.

A sample of candidate stars was selected from the *IRAS* Point Source Catalog (PSC) using the joint criteria of f$_{\nu}$(60¯m) ¿ 5:24 Jy, a high point source fit correlation coefficient (99%), and positional association with objects in one or more star catalogs. The resulting candidate list (195 objects) was further filtered by cross-identification of each *IRAS* source with known stars using information available in SIMBAD. Some are planetary nebulae or unknown object types and were therefore omitted for this purpose of identifying a large sample of pure 60 ¯m point sources. The remaining sample of confirmed stars were then processed with SCANPI using the same procedure as the RBGS objects. The distribution of the measured ratios of f$_{\nu}$(t)=f$_{\nu}$(template) for 121 confirmed bright stars with high quality 60 ¯m *IRAS* scans (e.g., not confused by cirrus, excessive noise, or companions) is plotted in the same bins as the RBGS objects in Figure 13 (asterisks). The presence of stars with ratios greater than ¸1.05 was unexpected, and this complicated the goal of building a comparison sample of pure *IRAS* 60 ¯m point sources; close inspection of the data showed that each of these objects have 60 ¯m scan profiles similar to the RBGS galaxy profiles plotted in Figure 13, with faint "pedestals" of faint emission under a dominating point source. Larger ratios correspond to higher or more extended pedestals well above the background noise in the scans. These are clear candidates for stars embedded in extended circumstellar dust disks, shells or nebulae; some objects have published data that support this interpretation, including spectral classifications such as carbon stars, emission-line stars, and stars with known OH/IR envelopes. These objects are not considered further in this paper, but their presence required omitting stars outside the range 0.95 - 1.05 to form a Gaussian fit representative of unresolved stars measured by SCANPI. This fitted distribution of stars (dotted line, with a mean of 1:000 Σ 0:004) was then scaled to match the peak of the Gaussian fit to the RBGS objects (solid line), and plotted as a dashed line in Figure 13.

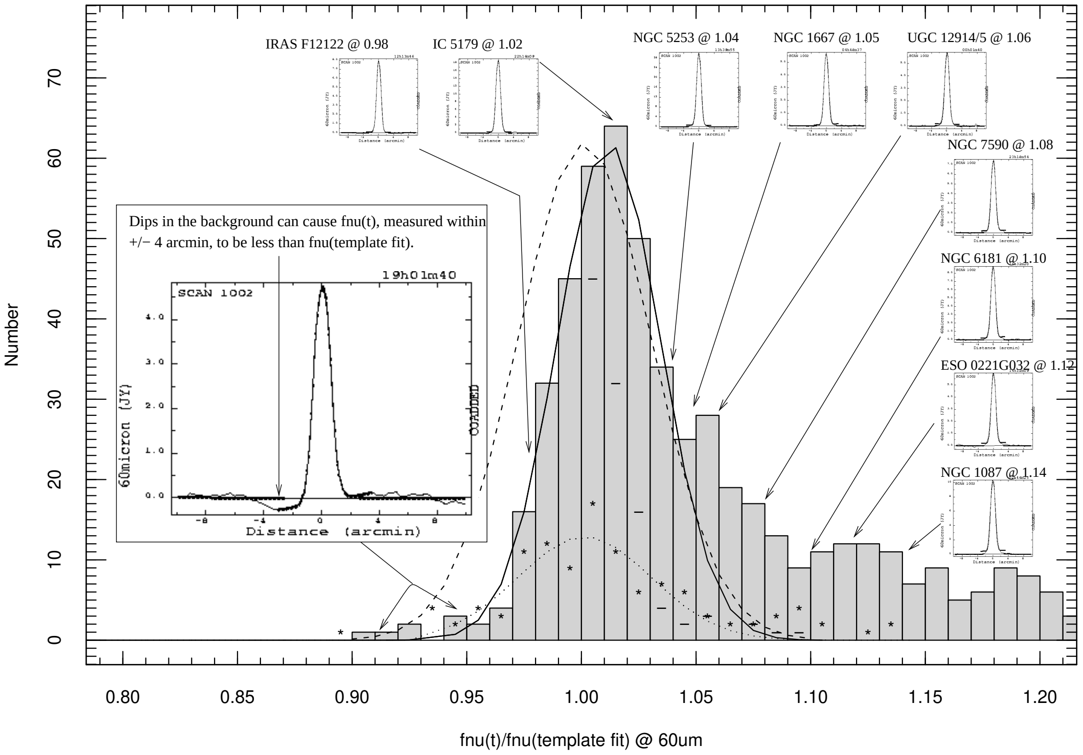

Fig. 13.— Histogram illustrating the distribution of the ratio $f_\nu(t)/f_\nu(template)$ at 60 μm. The entire range of this parameter is not shown in order to highlight details of the distribution for objects that have a ratio near unity. The solid line is a Gaussian fit to the upper envelop of the galaxy distribution, constructed by rejecting objects outside the range 0.95 – 1.05 from the fit. The asterisks show counts in the same bins for a sample of 121 stars selected from the IRAS Point Source Catalog (PSC) with $f_\nu(60\mu m) > 5.24\ Jy$ and positional associations with objects in various star catalogs; cross-identification of these IRAS sources with stars was confirmed using SIMBAD. The dotted line is a Gaussian fit to the distribution for the stars, again omitting objects outside the range 0.95 - 1.05 from the fit. The dashed line is a Gaussian distribution with the same mean and standard deviation as the fit to the star distribution (dotted line), but scaled to the peak of the galaxy distribution (solid line). Horizontal line segments have been drawn in the bins with $f_\nu(t)/f_\nu(template)$ values between 1.0 and 1.10; these represent a “reflection” of the bins with $f_\nu(t)/f_\nu(template)$ values between 0.90 and 1.00 for the RBGS objects, indicating the expected counts if differences between $f_\nu(t)$ and $f_\nu(template)$ were due only to noise and not real excess, extended emission detected in the $f_\nu(t)$ measurement. The small plots inset around the top and right sides of the figure illustrate representative coadded 60 μm scan profiles from SCANPI; the object name and corresponding value of $f_\nu(t)/f_\nu(template)$ at 60 μm is listed above each plot. The larger inset plot on the left illustrates how dips in the background noise cause $f_\nu(t)$ to be less than the template fit (point spread function) value for some objects; in such cases, $f_\nu(template)$ was chosen over $f_\nu(t)$. This diagram was used to establish the threshold requirement of $f_\nu(t)/f_\nu(template) > 1.05$ for selecting $f_\nu(t)$ as a confident measurement of at least marginally extended emission in excess of the value measured by the point source template fit.

Another approach to predicting the expected distribution for unresolved galaxies with f$_\nu$(t)=f$_\nu$(template) ¿ 1:0 is based on the assumption that small differences between the two measurements (whether negative or positive) are due solely to noise in the coadded scans and uncertainties in the *IRAS* point source template fits. That is, if all galaxies with f$_\nu$(t)=f$_\nu$(template) between 1.00 and 1.10 were unresolved by *IRAS* at 60 ¯m, we would expect the observed RBGS histogram bins over this range to match a reflection of the distribution over the range 0.90 - 1.00, where differences between f$_\nu$(t) and f$_\nu$(template) are clearly not physical and therefore due solely to noise. These expected counts are shown as horizontal line segments drawn within the bins with f$_\nu$(t)=f$_\nu$(template) values between 1.0 and 1.10. Using this noise symmetry argument to predict the f$_\nu$(t)=f$_\nu$(template) ratios expected for truly unresolved objects over the range 1.0 - 1.1, there is a clear excess of galaxies with ratios as small as 1.04 – 1.05 that likely have real (but weak) extended components; roughly 50% of the RBGS objects in these bins are in this category. However, since we cannot distinguish, using visual inspection of the coadded scan profiles, between galaxies that have true extended emission and those which have f$_\nu$(t) ¿ f$_\nu$(template) due only to noise among these objects, we cannot reliably use a threshold ratio smaller than 1.05 to classify specific objects as marginally extended. Although the bins with f$_\nu$(t)=f$_\nu$(template) in the range 1.05 – 1.10 have counts that suggest some of these objects may be explained by the Gaussian fits described above for unresolved objects, visual inspection of the SCANPI profiles shows that every object in this range (and of course larger values) have clear, obvious extended emission as shown in the example profiles inset in Figure 13. Finally, the reality of extended emission for RBGS objects with ratios f$_\nu$(t)=f$_\nu$(template) ¿ 1:05 is visualized in Figure 13 through the progressive increase in the height or spatial extent of the pedestals corresponding to an increase in the flux ratio, all clearly defined well above the background noise in the coadded scans.

The threshold ratio of f$_\nu$(t)=f$_\nu$(template) ¿ 1:05 (5% excess flux over the point source template fit) was therefore used for defining marginally extended objects (M). Visual examination of the coadded scan profiles widths in conjunction with the flux ratio distribution in Figure 13 lead to selection of a threshold of f$_\nu$(t)=f$_\nu$(template) ¿ 1:20 (20% flux excess over the point source template fit) to flag a source as fully resolved (R), even if there is no additional excess flux measured by the f$_\nu$(z) method and therefore the f$_\nu$(t) value is selected. The final algorithm chosen for selecting the best SCANPI method for estimating the total flux density and for assigning *IRAS* source size codes in each *IRAS* band is as follows:

1. If the condition [f$_\nu$(t) ¿= 1:05 Λ f$_\nu$(template) AND f$_\nu$(t) ¿= f$_\nu$(template) + 3 Λ sigma] is true OR the condition [W 50 ¿= W 50$_{psf}$ OR W 25 ¿= W 25$_{psf}$] is true, f$_\nu$(t) is selected and the source is classified as marginally extended (M). The sigma above and in other conditions that follow is the standard deviation of the coadded data measured by SCANPI in the background noise outside the signal range; these values are tabulated in columns (8) – (11) of Table 1 in units of mJy. W 50$_{psf}$ and W 25$_{psf}$ are the thresholds used to establish when a galaxy profile's width at 50% peak (FWHM) or 25% peak are significantly larger than observed among unresolved point sources. The W 50$_{psf}$ and W 25$_{psf}$ thresholds adopted, rather conservatively, are the computed mean plus 3 times the rms dispersion observed in each *IRAS* band for a large sample of point sources: 1.04$'$ and 1.40$'$ at 12 ¯m, 1.00$'$ and 1.38$'$ at 25 ¯m, 1.52$'$ and 2.06$'$ at 60 ¯m, and 3.22$'$ and 4.32$'$ at 100 ¯m. For reference, the nominal FWHM of the *IRAS* detectors is 0.77$'$ (12 ¯m), 0.78$'$ (25 ¯m), 1.44$'$ (60 ¯m), and 2.94$'$ (100 ¯m).

2. If the condition [f$_\nu$(t) ¿= 1:20 Λ f$_\nu$(template) AND f$_\nu$(t) ¿= f$_\nu$(template) + 3 Λ sigma] is true OR the condition [W 50 ¿= W 50$_{psf}$ AND W 25 ¿= W 25$_{psf}$] is true, f$_\nu$(t) is selected and the object is classified as resolved (R).

3. If the condition [f$_\nu$(z) ¿= f$_\nu$(t) + 3 Λ sigma] is true, AND the condition [f$_\nu$(z) ¿= f$_\nu$(peak)] is true, AND the condition [f$_\nu$(z) ¿= 1:05 Λ f$_\nu$(t)] is true, f$_\nu$(z) is selected and the source is classified as resolved (R).

4. If none of the above conditions are satisfied, the f$_\nu$(template) method is selected and the source is classified as unresolved (U).

5. For coadded scans that display confusion from nearby sources, blends of close pairs, excessive noise, cirrus contamination, etc., based on visual inspection made for all of the data, selections resulting from the algorithm above were overridden using flags specified in the input data. For example, the peak flux value is a better estimate (flagged with method code “P” in Table 1) when the $\mathrm{f}_\nu(\mathrm{t})$ value is tainted by a bad point source template fit due to a nearby confusing source or cirrus (e.g., IRAS 02572 + 7002 at 60 ¯m; see Fig. 15.). Another example is when the SCLEAN algorithm was used in an attempt to de-blend components of a pair (e.g., NGC 5194/95 = M 51; see Fig. 15.).

Figures 14 – 16 display coadded *IRAS* scan profiles that illustrate the meaning of the source size codes (S), SCANPI flux density methods (M), and uncertainty flags (F) as listed for each source in Table 1.

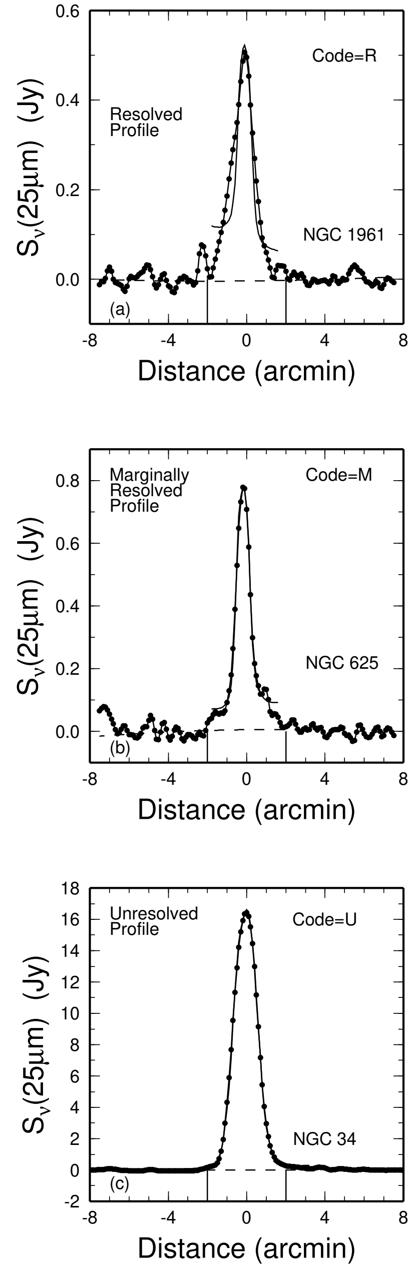

Fig. 14.— Coadded IRAS scan profiles that illustrate source size codes listed in columns (8) – (11) of Table 1 (the "S" in "SMF"). Panel (a) R - resolved source NGC 1961. Panel (b) M - marginally resolved source (called "U+" in BGS$_1$+BGS$_2$) NGC 625. Panel (c) U - unresolved source NGC 34. In this figure, as well as in Figs. 15 and 16, the solid points are the median coadded IRAS scan data (SCANPI coadd method 1002), the dashed lines are the baseline fits to the background noise, and the solid lines are the point source template fits (point-spread function). The vertical bars below the fitted baseline show the integration range used for the total flux density estimation, $f_\nu(t)$, which is measured within a defined region; the default SCANPI ranges for $f_\nu(t)$ were used, which are $\pm2, \pm2, \pm2.5$ and ±4 arcminutes at 12 μm, 25 μm, 60 μm and 100 μm.

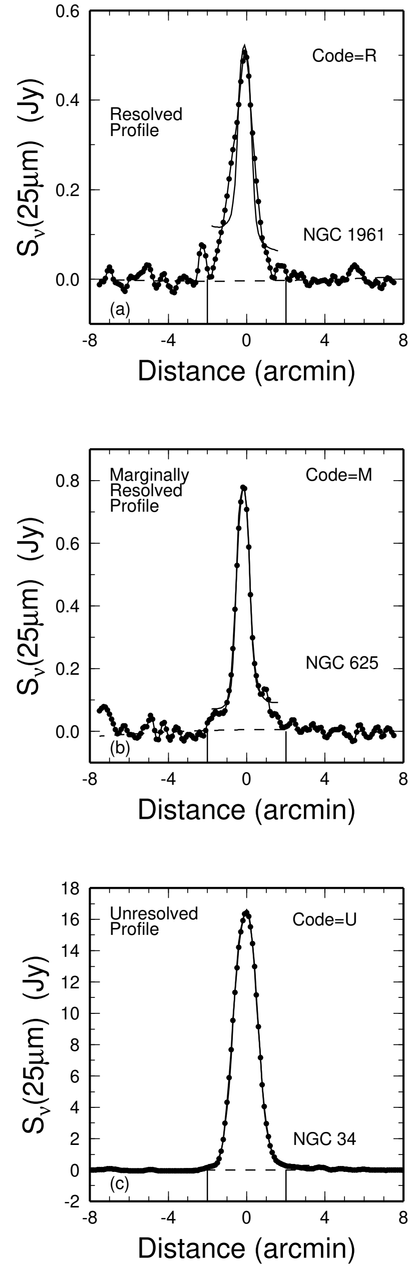

Fig. 15.— Coadded IRAS scan profiles that illustrate flux density estimator methods listed as codes in columns (8) – (11) of Table 1 (the "M" in "SMF"). Panel (a): Z - total flux density estimated from integration of the averaged scan between the zero crossings; called "$f_\nu(z)$" in SCANPI output. Panel (b): I - total flux density estimated from integration of the coadded scan between fixed points defining an integration range; called "$f_\nu(t)$" in SCANPI output. Note the slightly raised point source template fit, which is another indicator of small, but statistically significant excess emission compared to the case of a pure point source. The default SCANPI ranges for $f_\nu(t)$ were used, which are $\pm2, \pm2, \pm2.5$ and ±4 arcminutes at $12\,\mu$m, $25\,\mu$m, $60\,\mu$m and $100\,\mu$m. Panel (c): T - flux density estimated from the best-fitting point source template; called 'template amplitude' in the SCANPI output. This is the method most often selected by the software for unresolved sources with no confusion. Note that the point source template fit is not raised with respect to the baseline fit of the background emission; this is a visual confirmation of the result found by the automated method selection— within the statistical noise, $f_\nu(t)$ is not larger than the template fit. Panel (d): P - the maximum flux density measured within the signal range; called "peak" in SCANPI output. This method was used when emission from a nearby source or cirrus confused the template fit and contaminated the $f_\nu(t)$ and $f_\nu(z)$ methods. Panel (e): S - result of SCLEAN point source subtraction (see Appendix); this method was used to estimate the flux density of components of some pairs, for comparison with generally more reliable HIRES results (Surace, Sanders & Mazzarella 2003). The first four codes are referred to as "peak", "temp", "tot" and "zc", respectively, in the header of Table 7. Another value of the measurement method code listed in Table 1 is "R"; this indicates that the total flux estimate from Rice

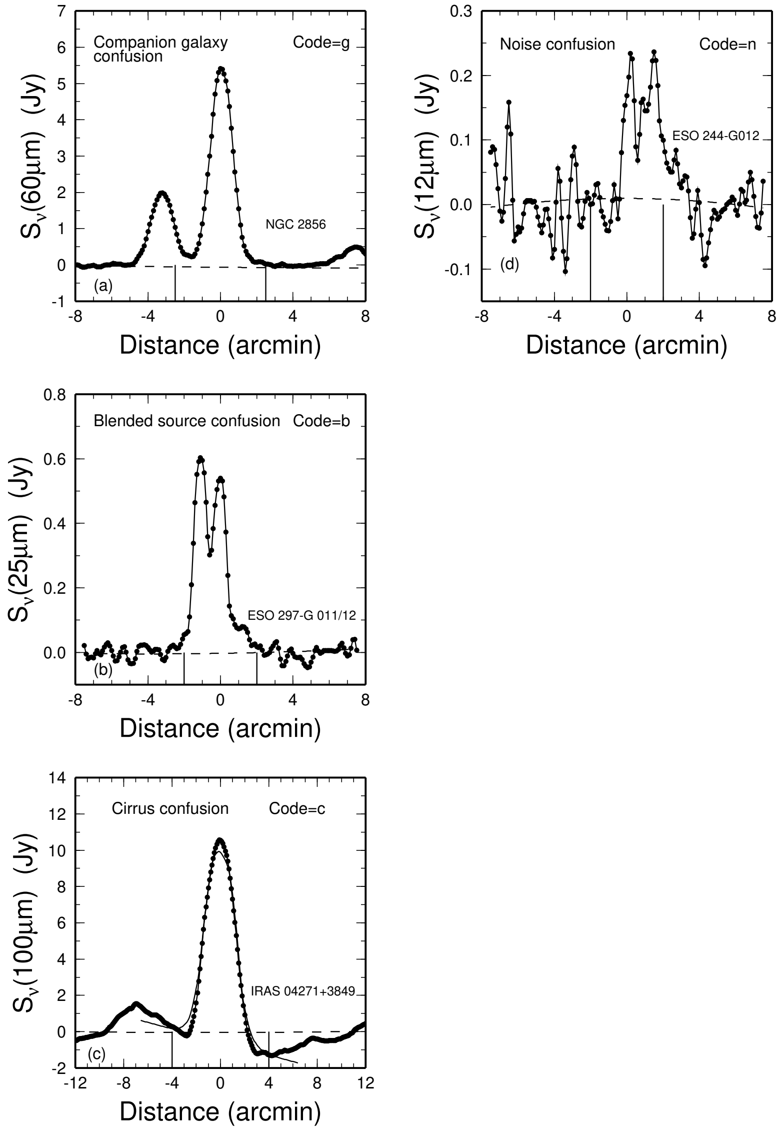

Fig. 16.— Coadded IRAS scan profiles that illustrate uncertainty codes listed in columns (8) – (11) of Table 1 (the "F" in "SMF"). These codes identify the origin of large uncertainty flagged generally by a colon (":") following the associated flux density measurement in Table 1. Panel (a): g - a nearby **companion galaxy** influenced the choice of flux estimator. Panel (b): b - emission from two or more galaxies is **blended**; the components are unresolved by IRAS at the indicated wavelength. Panel (c): c - prominent Galactic **cirrus** taints the measurement. Panel (d): n - excessive **noise** or source confusion prevented a reliable flux density estimate.

The flux estimates chosen by the final processing are indicated by the "Method" codes following the flux densities quoted in Table 1: Z = "zero crossing" ("zc" in Table 7); I = "in-band total" ("tot" in Table 7); T = "template fit" ("temp" in Table 7); P = "peak value" ("peak" in Table 7); S = "deconvolution with SCLEAN"[13]; R = from Rice et al. (1988). For objects with "R" listed as the Method code in Table 1 (objects larger than ¸25 arcminutes) the SCANPI measurements in were not used; they are included in Table 7 just for reference.

Table 5 (Section 4.1) lists the distribution among the size codes (U,M,R) for the sources at each wavelength, and reflects primarily the changing angular resolution of the *IRAS* detectors as a function of wavelength, although the increased sensitivity of the *IRAS* detectors at 60 ¯m partially compensates for the larger size of the 60 ¯m detectors compared to the smaller angular resolution of the detectors at 12 ¯m and 25 ¯m. The number of resolved or marginally resolved objects (i.e. size codes "M" or "R" respectively in Table 1) is 61% at 12 ¯m, 54% at 25 ¯m, 48% at 60 ¯m, and drops to 30% at 100 ¯m, as listed in Table 5.

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[13] SCLEAN is a simple routine that fits an IRAS point-source template at an input position and subtracts ("cleans") the fit from the 1-D coadded profile. This allows the user to estimate the flux remaining in a source which is not accounted for by point source component(s). SCLEAN was used to estimate the flux densities for components of pairs and a number of confused objects, as indicated in Table 1.

REFERENCES

Aaronson, M., et al 1982a, ApJ, 258, 64.

Aaronson, M., et al 1982b, ApJS, 50, 241.

Aaronson, M., & Mould, J. 1983, ApJ, 265, 1.

Aaronson, M., Mould, J., & Huchra, J. 1980, ApJ, 237, 655

Aumann, H. H., Fowler, J. W., & Melnyk, M. 1990, AJ, 99, 1674

Cataloged Galaxies and Quasars Detected in the *IRAS* Survey 1985, prepared by C. J. Lonsdale, G. Helou, J. C. Good, & W. L. Rice (JPL D1932).

da Costa, L. N., Pellegrini, P. S., Davis, M., Meiksin, A., Sargent, W. L. W., & Tonry, J. L. 1991, ApJS, 75, 935.

Dale, D. A., Helou, G., Contursi, A., Silbermann, N. A., & Kilhatkar, S. 2001, ApJ, 549, 215.

de Carvalho, R. R., Ribeiro, A. L. B., Capelato, H. V., & Zepf, S. E. 1997, ApJS, 110, 1.

de Grijp, M. H. K., Miley, G. K., Lub, J., & de Jong, T. 1985, Nature, 314, 240.

de Vaucouleurs, G., de Vaucouleurs, A., Corwin, JR., H. G., Buta, R. J., Paturel, G., & Fouque, P. 1991, Third Reference Catalogue of Bright Galaxies, Austin: University of Texas Press.

de Vaucouleurs, G., de Vaucouleurs, A., & Corwin, J. R. 1976, Second Reference Catalogue of Bright Galaxies, 1976, Austin: University of Texas Press.

Dey, A., Strauss, M. A., & Huchra, J. 1990, AJ, 99, 463.

Fajardo-Acosta, S. B., Stencel, R. E. & Backman, D. E. 1997, ApJ, 487, 151.

Ferrarese, L. et al. 2000, ApJS, 128, 431.

Freedman, W. L. et al. 2001, ApJ, 553, 47.

Giovanelli, R. & Haynes, M. P. 1993, AJ, 105, 1271.

Giovanelli, R., Haynes, M. P., Herter, T., Vogt, N. P., Wegner, G., Salzer, J. J., da Costa, L. N., & Freudling, W. 1997, AJ, 113, 22.

Giovanelli, R., Avera, E., & Karachentsev, I. D. 1997, AJ, 114, 122.

Gudehus, D. H. 1976, ApJ, 208, 267.

Haynes, M. P., Giovanelli, R., Herter, T., Vogt, N. P., Freudling, W., Maia, M. A. G., Salzer, J. J., & Wegner, G. 1997, AJ, 113, 1197.

Haynes, M. P., van Zee, L., Hogg, D. E., Roberts, M. S., & Maddalena, R. J. 1998, AJ, 115, 62.

Helou, G., Kahn, I. R., Malek, L., & Boehmer, L. 1988, ApJS, 68, 151.

Huchra, J., Davis, M., Latham, D., & Tonry, J. 1983, ApJS, 52, 89.

Huchra, J., Latham, D. W., da Costa, L. N., Pellegrini, P. S., & Willmer, C. N. A. 1993, AJ, 105, 1637.

Huchra, J., P. et al. 1992, CfA Redshift Catalog (ZCAT).

Huchra, J. P., Geller, M. J., & Corwin, H. G. 1995, ApJS, 99, 391.

Huchra, J. P., Vogeley, M. S., & Geller, M. J. 1999, ApJS, 121, 287.

IRAS Catalogs and Atlases – Explanatory Supplement 1985 (NASA RP-1190).

IRAS Catalogs and Atlases: Small Scale Structure Catalog 1988, eds. G. Helou & D. Walker (Washington, DC: GPO) (SSS).

IRAS Catalogs and Atlases: Point Source Catalog 1988, (Washington, DC: GPO) (PSC Version 2).

IRAS Faint Source Survey, Explanatory Supplement version 2, 1992, eds. M. Moshir, G. Kopman, T. Conrow (Pasadena: IPAC).

Keel, W. C. 1996, AJ, 111, 696.

Keel, W. C. 1996, ApJS, 106, 27.

Kim, D.-C., Sanders, D. B., Veilleux, S., Mazzarella, J. M., & Soifer, B. T. 1995, ApJS, 98, 129.

Kirshner, R. P. 1977, ApJ, 212, 319.

Kirshner, R. P., Oemler, A., & Schechter, P. L. 1978, AJ, 83, 1549.

Lauberts, A. & Valentijn, E. A. 1989, (Garching: European Southern Observatory, c1989).

Lebofsky, M. J. & Rieke, G. H. 1979, ApJ, 229, 111.

Lu, N. Y., Dow, M. W., Houck, J. R., Salpeter, E. E., & Lewis, B. M. 1990, ApJ, 357, 388.

Lu, N. Y., Hoffman, G. L., Groff, T., Roos, T., & Lamphier, C. 1993, ApJS, 88, 383.

Mathewson, D. S., Ford, V. L., & Buchhorn, M. 1992, ApJS, 81, 413.

Madore, B. F., & Freedman, W. L. 1998, in "Stellar Astrophysics for the Local Group: VIII Canary Islands Winter School of Astrophysics." Edited by A. Aparicio, A. Herrero, & F. Sanchez. Cambridge; New York: Cambridge University Press, p.263

Mathewson, D. S. & Ford, V. L. 1996, ApJS, 107, 97.

Miley, G., Neugebauer, G., Soifer, B. T., Clegg, P. E., Harris, S., Rowan-Robinson, M., & Young, E. 1984, ApJ, 278, L79

Mirabel, I. F. & Sanders, D. B. 1988, ApJ, 335, 104.

Moshir, M., Kopan, G., Conrow, T., McCallon, H., Hacking, P., Gregorich, D., Rohrbach, G., Melnyk, M., Rice, W., Fullmer, L., White, J., & Chester, T. 1992, Explanatory Supplement to the *IRAS* Faint Source Survey, Version 2, JPL D-10015 8/92 (Pasadena: JPL)

Mould, J. R. et al. 1991, ApJ, 383, 467

Mould, J. R. et al. 2000, ApJ, 529, 786

Murphy, T. W., Soifer, B. T., Matthews, K., Armus, L., & Kiger, J. R. 2001, AJ, 121, 97.

Neugebauer, G., et al. 1984, ApJ, 278, L1.

Nordgren, T. E., Chengalur, J. N., Salpeter, E. E., & Terzian, Y. 1997, AJ, 114, 77.

Nordgren, T. E., Chengalur, J. N., Salpeter, E. E., & Terzian, Y. 1997, AJ, 114, 913.

Palumbo, G. G. C., Tanzella-Nitti, G., & Vettolani, G. 1983, New York, Gordon and Breach Science Publishers, 1983, 592 pp.

Pantoja, C. A., Altschuler, D. R., Giovanardi, C., & Giovanelli, R. 1997, AJ, 113, 905.

Perault, M. 1987, Structure et Evolution des Nuages Moleculaires, PhD thesis, Univ. Paris

Ribeiro, A. L. B., de Carvalho, R. R., Coziol, R., Capelato, H. V., & Zepf, S. E. 1996, ApJ, 463, L5.

Rice, W. 1993, AJ, 105, 67.

Rice, W. L., Lonsdale, C. J., Soifer, B. T., Neugebauer, G., Kopan, E. L., Lloyd, L. A., deJong, T., & Habing, H. 1988, ApJS, 68, 91.

Rubin, V. C., Kenney, J. D. P., & Young, J. S. 1997, AJ, 113, 1250.

Sandage, A., Bell, R. A., & Tripicco, M. J. 1999, ApJ, 522, 250.

Sandage, A., & Tammann, G. A. 1981, A Revised Shapley-Ames Catalog of Bright Galaxies (Carnegie Institute, Washington, DC) (RSA).

Sanders, D. B., & Mirabel, I. F. 1996, ARA& A, 34, 749.

Sanders, D. B., Egami, E., Lipari, S., Mirabel, I. F., & Soifer, B. T. 1995, AJ, 110, 1995 (BGS_2).

Sanders, D. B., Scoville, N. Z., & Soifer, B. T. 1991, ApJ, 370, 158.

Schmidt, M. 1968, ApJ, 151, 393

Schneider, S. E., Thuan, T. X., Magri, C., & Wadiak, J. E. 1990, ApJS, 72, 245.

Schneider, S. E., Thuan, T. X., Mangum, J. G., & Miller, J. 1992, ApJS, 81, 5.

Shier, L. M. & Fischer, J. 1998, ApJ, 497, 163.

Shostak, G. S. 1975, ApJ, 198, 527.

Soifer, B. T., Boehmer, L., Neugebauer, G., & Sanders, D. B. 1989, AJ, 98, 766 (BGS_1).

Soifer, B. T., Sanders, D. B., Madore, B. F., Neugebauer, G., Danielson, G. E., Elias, JU. H., Lonsdale, C. J., & Rice, W. L. 1987, ApJ, 320, 238.

Soifer, B. T., Sanders, D. B., Neugebauer, G., Danielson, G. E., Lonsdale, C. J., Madore, B. F., & Persson, S. E. 1986, ApJ, 303, L41.

Solomon, P. M., Downes, D., Radford, S. J. E., & Barrett, J. W. 1997, ApJ, 478, 144.

Storchi-Bergmann, T., Rodriguez-Ardila, A., Schmitt, H. R., Wilson, A. S., & Baldwin, J. A. 1996, ApJ, 472, 83.

Strauss, M. A., Huchra, J. P., Davis, M., Yahil, A., Fisher, K. B., & Tonry, J. 1992, ApJS, 83, 29.

Surace, J. A., Sanders, D. B., & Mazzarella, J. M. 2003, ApJS, submitted.

Tift, W. G. & Cocke, W. J. 1988, ApJS, 67, 1.

Tinney, C. G., Scoville, N. Z., Sanders, D. B., & Soifer, B. T. 1990, ApJ, 362, 473.

Tully, R. B. 1982, ApJ, 257, 389.

Tully, R. B., & Shaya, E. 1984, ApJ, 281, 31.

Walsh, W., Staveley-Smith, L., & Oosterloo, T. 1997, AJ, 113, 1591.

Young, J. S. et al. 1995, ApJS, 98, 219.

Zwicky, F., et al (1961-68), Catalog of Galaxies and Clusters of Galaxies, (California Institute of Technology, Pasadena).

Zwicky, F., & Zwicky, M. A. 1971, Catalog of Selected Galaxies and Post-Eruptive Galaxies, (Zurich: Offsetdruck L. Speich).

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