Bull. Spec. Astrophys. Obs., 2000, 50, 5-38

A list of peculiar velocities of RFGC galaxies

I.D. Karachentsev[a], V.E. Karachentseva[b], Yu.N. Kudrya[b], D.I. Makarov[a], S.L. Parnovsky[b]

[a] Special Astrophysical Observatory of the Russian AS, Nizhnij Arkhyz 369167, Russia
[b] Astronomical Observatory of the Kyiv Taras Shevchenko National University, Observatorna 3, 04053, Kyiv, Ukraine

Received August, 2, 2000; accepted September 27, 2000.

Abstract. A list of radial velocities, HI line widths and peculiar velocities of 1327 galaxies from the RFGC catalogue has been compiled using actual observations and literature data. The list can be used for studying bulk motions of galaxies, construction of the field of peculiar velocities and other tasks.

Key words: galaxies: observations — galaxies: kinematics and dynamics — RFGC catalogue

1. Introduction

The study of non-Hubble motions and of the peculiar velocity field of galaxies on different scales forms an observational foundation for many tasks of present-day cosmology (see the survey of Strauss and Willick, 1995). For detailed analysis of peculiar velocities ample samples of galaxies with measured radial velocities V_h and independent distance estimates Hr are required. The first homogeneous catalogue of this kind, Mark III, was compiled as a result of integration and unification of data of observations of radial velocities and rotational velocities (in the radio or optical ranges) of galaxies from different samples, which were made by different groups of authors in 1982–1996 (Willick et al., 1995, 1997b). It was based on mutual coordination of the TF relations (Tully–Fisher, 1977), which were represented in the form "luminosity — line width" for the samples of spiral galaxies of clusters and of the field. The sample of spirals (Han and Mould, 1992) was adopted as the reference one. The $D_n - \sigma$ samples were later also included in Mark III, and relative zero points for the arrays of E and S galaxies (Dekel et al., 1999) were determined. Without going into details of constructing Mark III, which were described comprehensively by the authors, let us note that standardization of the selection criterion was an important part of the work since the initial observational samples incorporated galaxies from different optical catalogues with different limits in apparent magnitude or angular diameter and having different angles of inclination to the line of sight. Notice that strongly inclined, "flat" spirals were not originally included in Mark III. The total number of individual galaxies involved in the final version of Mark III amounts to 3000; they were divided into 1200 groups. Thus, the catalogue Mark III is important for it contains homogeneous data for early- and late-type galaxies, both cluster members and field galaxies and distributed practically throughout the sky. This allows a map of matter density distribution to be constructed from the distribution of peculiar velocities, and the values of cosmological parameters to be obtained.

There is another approach to establishing a homogeneous sample of galaxies for studying the non-Hubble motions of galaxies. It was realized when compiling the catalogue of flat edge-on galaxies, RFGC (Karachentsev et al., 1999a; the first version is FGC, Karachentsev et al., 1993). The main idea of this approach is a special all-sky search for late edge-on spiral galaxies and selection for the catalogue of objects satisfying the conditions $a/b \geq 7$ and $a \geq 0.6'$, where a and b are the major and minor axes. The RFGC catalogue contains 4236 galaxies and covers the entire sky. Since the selection was performed using the surveys POSS-I and ESO/SERC, which have different photometric depth, we reduced the diameters of the southern-sky galaxies to the system POSS-I, which turned out to be close to the system a_{25}. The substantiation of selecting exactly flat galaxies and a detailed analysis of optical properties of the catalogue objects are available in the texts of FGC, RFGC and in the papers of the authors cited therein.

Some extensive work has so far been done on measurements of radial velocities, HI 21 cm line widths, W_{50}, or rotational curves V_{rot} for the galaxies of the RFGC catalogue. Besides, we have collected such data from literature. Part of the data have been used to derive the radial velocities and direction of bulk motion of flat galaxies (Karachentsev et al., 1995, 1999b).

Herein we report the radial velocities, HI line widths and peculiar velocities for 1327 galaxies of the RFGC catalogue.

2. Samples

Observational data were divided into several samples.

1. The observations of flat galaxies from FGC performed with the 305 m telescope at Arecibo (Giovanelli et al., 1997). The observations are confined within the zone $0° < \delta \leq +38°$ accessible to the radio telescope. There was no selection by the visible angular diameter, type, axes ratio and other characteristics. We have not included in the summary the flat galaxies from the Supplement to FGC, which do not satisfy the condition $a/b \geq 7$, and also the galaxies with uncertain values of W_{50}, in accordance with the notes in the paper by Giovanelli et al. (1997). Our list contains 490 flat galaxies from this paper.

2. The observations of optical rotational curves made with the 6 m telescope of SAO RAS (Makarov et al., 1997 a, b; 1999; 2000). The objects located in the zone $\delta \geq 38°$, with the axes ratio $a/b \geq 8$ and a large diameter $a \leq 2'$ were selected for the observations. The maximum rotational velocities were converted to W_{50} by a relation derived through comparison of optical and radio observations of 59 galaxies common with sample "1" (Makarov et al., 1997a). 300 galaxies from these papers are included into our list.

3. The data on radial velocities and hydrogen line widths in the FGC galaxies identified with the RC3 catalogue (de Vaucouleurs et al., 1991). In a few cases, where only W_{20} are available in RC3, they were converted to W_{50} according to Karachentsev et al. (1993). This sample comprises flat galaxies all over the sky, a total of 167 objects.

4. The data on HI line widths (64 m radio telescope, Parkes) and on optical rotational curves V_{rot} (2.3 m telescope of Siding Spring) for the flat galaxies identified with the lists by Mathewson et al. (1992), Mathewson and Ford (1996). The optical data were converted to the widths W_{50} according to Mathewson and Ford (1996). The Sb–Sd galaxies from the catalogue ESO/Uppsala (Lauberts, 1982) with angular dimensions $a \geq 1'$, inclinations $i > 40°$, and a galactic latitude $(|b|) \geq 11°$ have been included in the lists. As Mathewson et al. (1992) report, the data obtained with the 64 m and 305 m telescopes are in good agreement. Our sample contains 177 flat galaxies from these papers.

5. The HI line observations of flat galaxies carried out by Matthews and van Driel (2000) using the radio telescopes in Nancay ($\delta > -38°$) and Green Bank ($\delta = -38° \div -44.5°$). They have selected the flat galaxies from FGC(E) with angular dimensions $a > 1'$, of Scd types and later, mainly of low surface brightness (SB = III and IV according to RFGC). We did not include in our list uncertain measurements from the data of Matthews and van Driel (2000). In the case of common objects with samples "1" or "2" we excluded the data of Matthews and van Driel (2000) on the basis of the comparisons of V_h and W_{50}. The subsample "5" comprises 193 galaxies.

Table 1: *Mean sample characteristics of flat galaxies*

Sample	N	$< a >_b^{cor}$ arcsec	$< V_{3K} >$ km/s	$< W_{50}^{cor} >$ km/s
1	490	1.02 ± 0.22	6531 ± 54	299 ± 5
2	300	0.81 ± 0.16	8112 ± 62	313 ± 6
3	167	2.28 ± 0.41	3587 ± 50	276 ± 10
4	177	1.40 ± 0.28	4855 ± 50	276 ± 8
5	193	0.80 ± 0.14	4414 ± 48	186 ± 6
All	1327	1.15 ± 0.29	5986 ± 58	280 ± 3

Thus, each galaxy enters into our sample with a single set of V_h and W_{50} estimates. We have included in the list a total of 1327 flat galaxies. The heliocentric velocities were reduced to the system CMB, V_{3K} according to Kogut et al. (1993), and to the centroid of the Local Group, V_{LG} (Karachentsev and Makarov, 1996). The observed widths were corrected for the cosmological broadening and turbulence (Tully and Fouqué, 1985). The angular diameters were corrected for the extinction in the Galaxy and intrinsic absorption (Karachentsev, 1991).

The mean characteristics of the galaxies are collected in Table 1. The distribution of the catalogue blue diameters as a function of V_{3K} for 1327 flat galaxies is shown in Fig. 1. It can be seen that the diameters of galaxies are close to the limiting catalogue value, $a = 0.6'$, and this holds practically for all (but for the smallest) distances. Thus the selection by angular diameters in our list is not strong, although individual samples have different depths (Table 1) and are differently located on the $\lg a - V_{3K}$ diagram (we do not present the figures here).

The distribution of 1327 flat galaxies over the sky in the galactic coordinates is displayed in Fig. 2. One can see that they cover the sky fairly uniformly except the Milky Way, with some excess in the number of galaxies north of $\delta = 0$.

3. Computation of peculiar velocities

Before description of determination of the distance to a RFGC galaxy independent upon the radial velocity, we will make some general remarks. For each of the galaxies included in our list, we have a homogeneous set of catalogue parameters: 1) measured "blue" and "red" angular diameters a_b, b_b, a_r, b_r in a system close to a_{25}; 2) Hubble type Ty (5 corresponds to type Sc); 3) surface brightness index SB (brightness decreases from I to IV) etc. We used the TF relation in the form "linear diameter – width" and therefore, in distinction to the Mark III compilers, did not need to

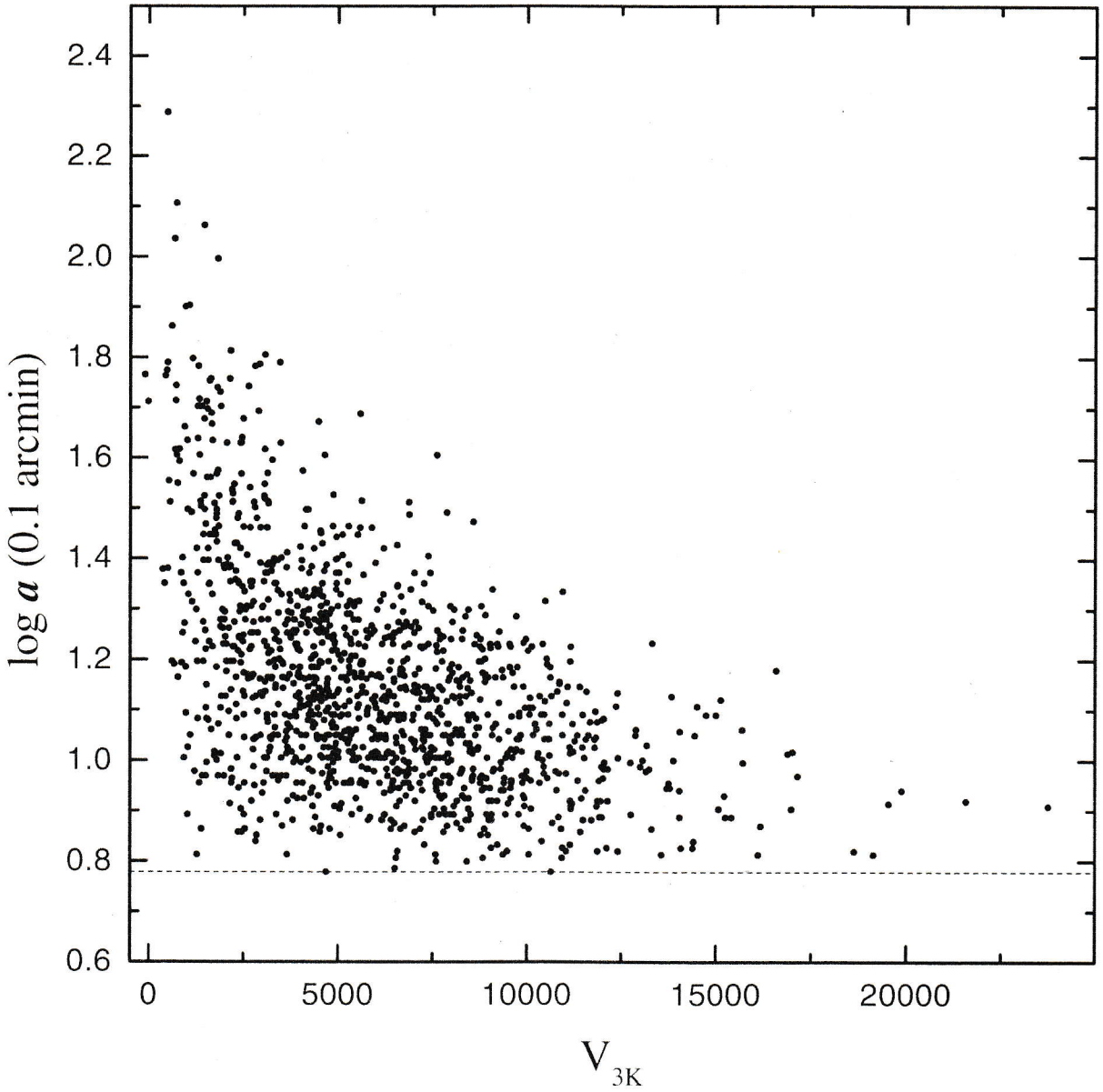

Figure 1: *The relationship between "blue" diameters of 1327 RFGC galaxies and radial velocity* V_{3K}.

coordinate apparent magnitudes observed in different photometric bands and with different apertures.

The data on radial velocities and widths were taken from different lists, and in the case of "duplicates" we took account of the data of only one source. Each galaxy entered into our list with the equal weight. The second principal distinction of our list from Mark III is that the distances to galaxies were determined not by coordination of the TF relations for individual samples, but from the generalized TF relation common to all galaxies.

Karachentsev et al. (2000) describe in detail the procedure of determining the distances to galaxies from the generalized Tully-Fisher relation. The distance $R = Hr$ (expressed in km/s and corresponding to the radial velocity of a galaxy in the case of purely Hubble expansion) was represented as a linear combination of functions, dependent on the galaxy characteristics, with coefficients C_i. Using the Fisher criterion the statistical significance was determined for each regressor. The regressors, which entered into the approximation R with a confidence level of less than 99.9%, were rejected. We use in this paper the distance approximation

$$R = (C_1 + C_2B + C_3BT)W_{50}/a_r + C_4W_{50}/a_b + C_5(W_{50})^2/(a_r)^2 + C_6/a_r.$$

It is implied here the corrected diameters and widths; $B = SB - 2$, and $T = Ty - 5.35$. As compared

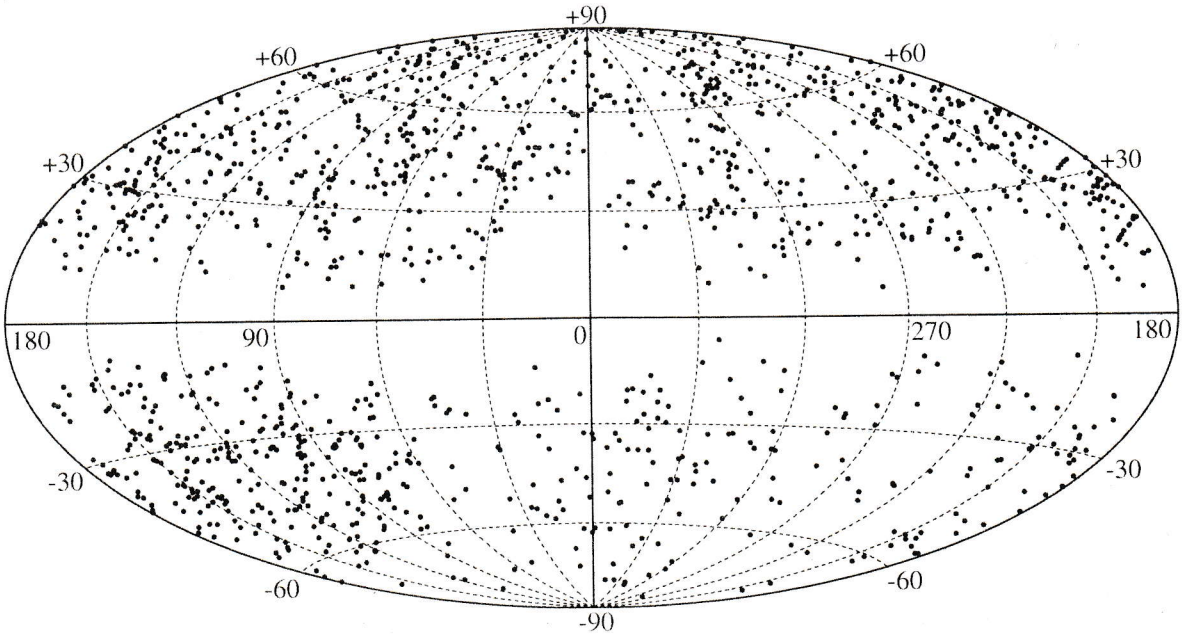

Figure 2: *The distribution of 1327 galaxies over the sky in galactic coordinates.*

to our paper of 2000, the summand, which included the axes ratio, has been discarded in this approximation as statistically insignificant, and a new statistically significant regressor W_{50}/a_b is added.

Considering the model of bulk motion of galaxies to be the most simple dipole approximation, we represented the measured radial velocity of each galaxy V_{3K} in the relic radiation rest frame as the sum of three components: R, the projection of the ordered (bulk) motion,

$$V_d = (V_x^B \cos l \cos b + V_y^B \sin l \cos b + V_z^B \sin b),$$

and a random small-scale component ϵ_V. Using the least-square method, we derived the C_i coefficients of the generalized Tully-Fisher relation and the values of V_x^B, V_y^B, V_z^B (in km/s) with which the sum of squares of the deviations ϵ^2 is minimized. For all the galaxies of the list peculiar velocities were computed

$$V_{pec} = V_{3K} - Hr - V_d.$$

Having excluded 56 galaxies with peculiar velocities over 3σ and having introduced a restriction $R_{max} = 10000\,\mathrm{km/s}$ to make the sample more homogeneous in depth (see Fig. 1), we derived a generalized TF relation with coefficients:

$$C_1 = (18.1 \pm 1.6), C_2 = (2.0 \pm 0.2),$$

$$C_3 = (-0.85 \pm 0.15), C_4 = (6.8 \pm 1.4),$$

$$C_5 = (-7.6 \pm 1.2) \cdot 10^{-3}, C_6 = (-813 \pm 99),$$

$$V_x^B = (261 \pm 68), V_y^B = (-212 \pm 71), V_z^B = (-7 \pm 56).$$

This relation was again applied to the computation of peculiar velocities of all 1327 galaxies. They are presented in Table 2. The content of the columns is as follows:

(1), (2) — the number of the galaxy in the RFGC and FGC catalogues, respectively;

(3) — the right ascension and declination for the epoch 2000.0;

(4), (5) — the corrected "blue" major and minor diameters, in arcmin;

(6) — the corrected line width W_c in km/s;

(7) — the observed heliocentric radial velocity, in km/s;

(8) — the radial velocity reduced to the centroid of the Local Group, in km/s;

(9) — the radial velocity in the system of $3K$ cosmic microwave radiation, in km/s;

(10) — the distance (in km/s) measured from the basic regression on the assumption that the model of motion of galaxies is dipole;

(11) — the dipole component of the radial velocity, in km/s;

(12) — the peculiar velocity, in km/s;

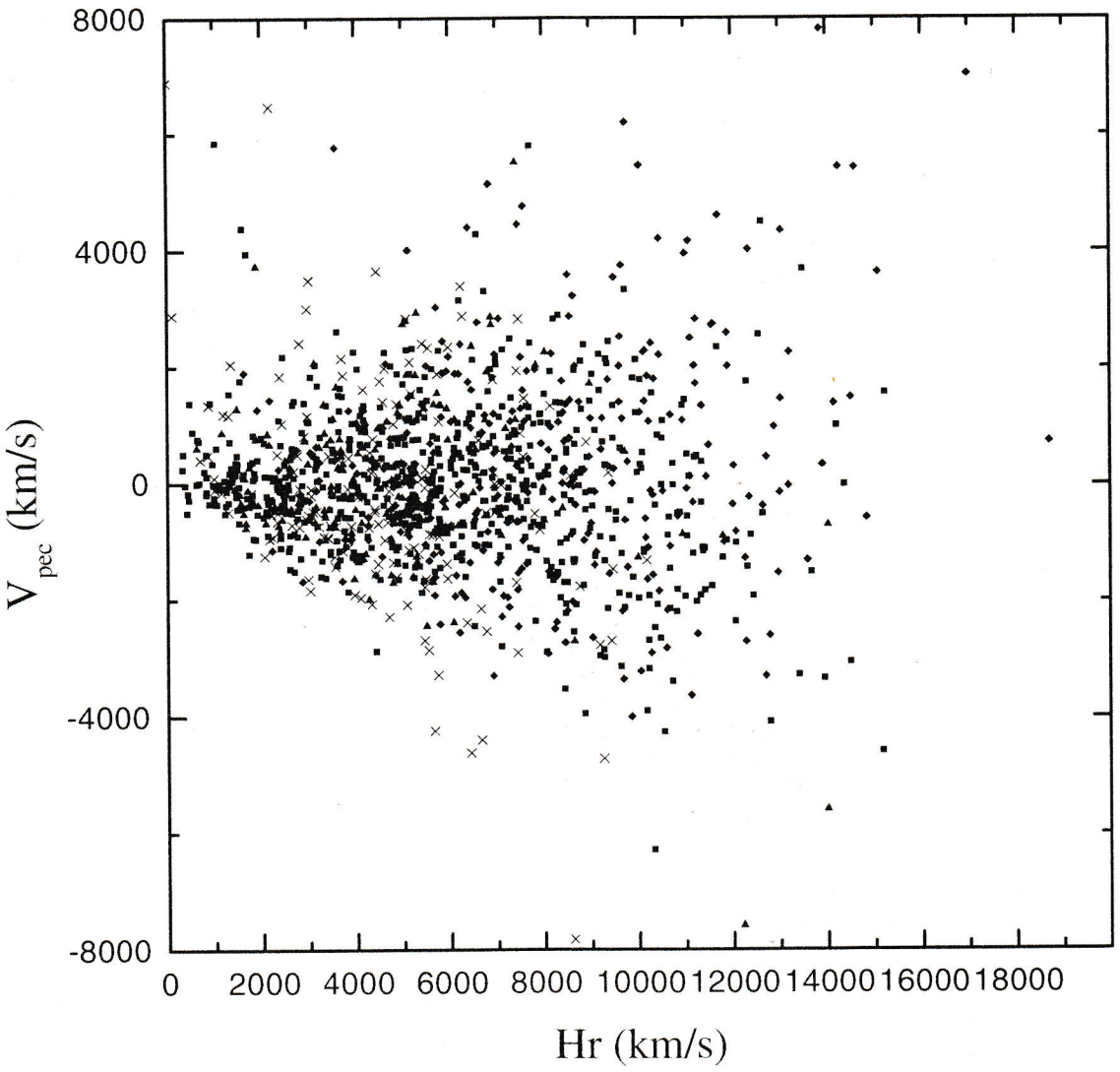

Figure 3: *The "peculiar velocity — regression distance" relationship for 1327 RFGR galaxies. Galaxies of different samples are denoted by filled symbols: circles — sample "1", diamonds — sample "2", squares — sample "3", triangles — sample "4", crosses — sample "5".*

(13) — the number of the sample from which the original data V_h and W_{50} were taken.

Fig. 3 shows V_{pec} against Hr.

The relation between the predicted distance Hr and the measured radial velocity V_{3K} is shown in Fig. 4 for 1271 flat galaxies. The scatter of points corresponds to $\sigma \approx 1200$ km/s. After the exclusion of 56 "outliers" the positive and negative radial velocities on the "peculiar velocity — distance" relationship are located symmetrically about zero and do not exhibit noticeable variation of slope with distance.

4. Discussion and conclusions

The problem of refinement of distances independent of their radial velocities (in the case of spiral galaxies this is the improvement of the TF relation) remains the most important, any samples being used. In many papers of the past few years, necessity is shown of taking into account the contribution made by both the surface brightness and the galaxy type to TF relation. Basing on detailed photometric investigation of spiral galaxies in clusters, Willick (1999) would solve this problem in a more refined way. He derived not strong but statistically significant dependence between TF relation and surface brightness, and also between TF and galaxy light concentration index "c". In our case the value of T, which characterizes the variation of the disk—bulge relationship along the Hubble sequence, may be a rough analog of the index "c".

It seems promising to examine models of bulk motion of galaxies not only in the most simple dipole approximation, but also with involvement of the quadrupole (Willick et al., 1997a), as well as the

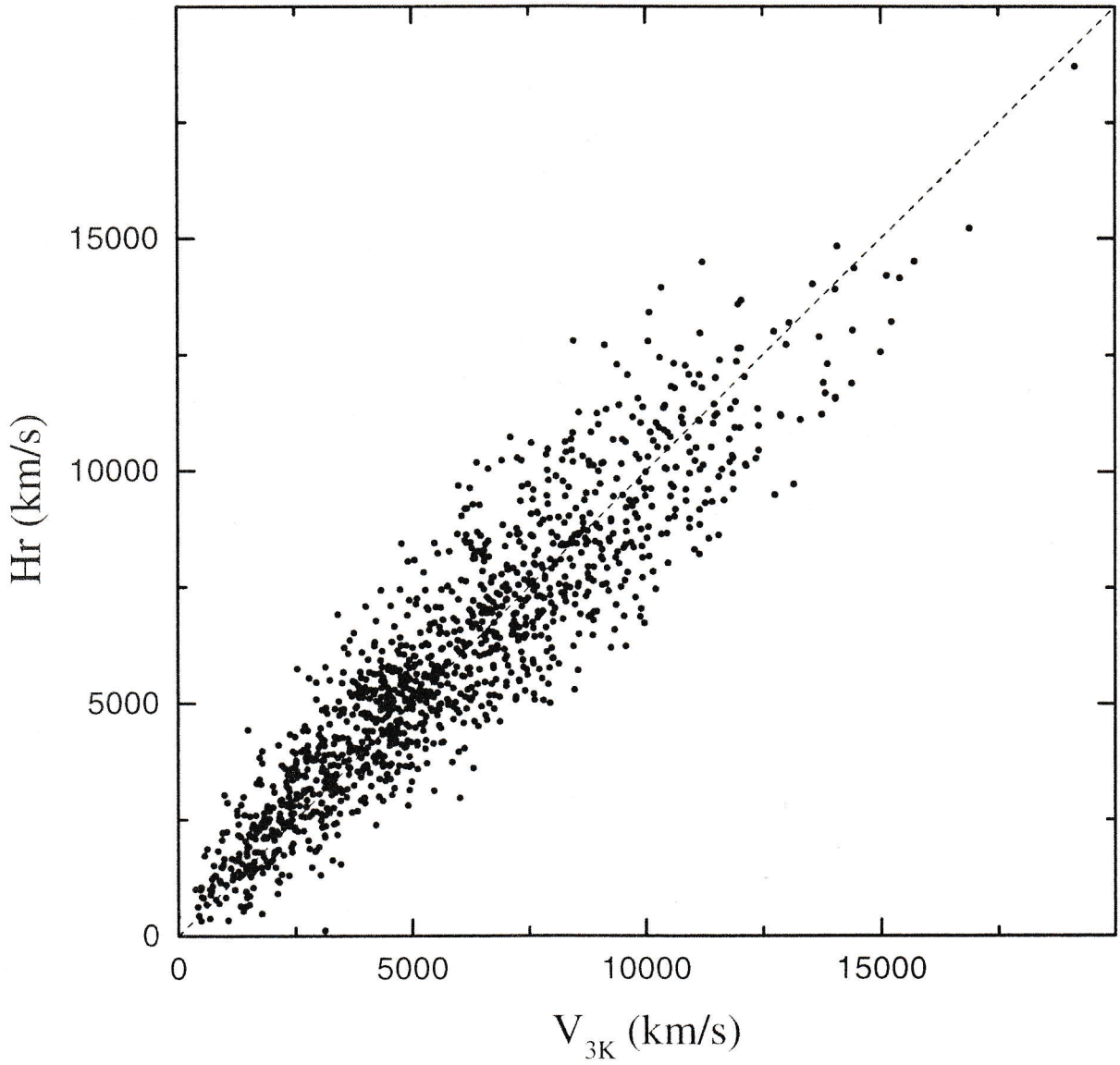

Figure 4: *The relationship between regression distance (in km/s) and radial velocity for 1271 FRGC galaxies.*

quadrupole and octupole (Parnovsky et al., 2000).

About 4% of the galaxies from our list have considerable (over 3σ) peculiar velocities. The existence of galaxies, moving at velocities $\gtrsim$(4000–5000) km/s with respect to the whole bulk, appears to be fairly intriguing. We assumed that the cases of such deviations are accounted for by the errors in measuring the basic observable quantities: angular diameters, radial velocities, widths. These errors may be due to morphology peculiarities, to the existence of a close neighbour, etc. After the revision of these galaxies on the POSS-I and ESO prints we found no discrepancies between values of newly measured diameters and the catalogue ones. About half of the galaxies–"outliers" have condensations near the centre or along the disk (RFGC 59, 1396, 1441, 2637, 4080...), bent (RFGC 1033, 1272, 1719, 3396, 4054...), or strongly diffuse (RFGC 1234, 1719, 3200...) disks. Some galaxies with high peculiar velocities are located in the region of clusters and have fairly close neighbours (RFGC 1542, 1568, 1897...). New observations will possibly elucidate the matter.

In conclusion the following will be noted: the Mark III catalogue and the list presented here are currently the most complete, homogeneous and covering all the sky samples for studying the field of peculiar velocities of galaxies. Having a few common objects, they complement each other both in types of galaxies and in depth of the survey.

Beginning with the creation of the first version of FGC, we have kept searching for new estimates from literature and making observations of radial velocities and widths of flat galaxies. In 1995, from the data for about 800 FGC galaxies, we estimated the

velocity modulus and the apex of the bulk motion of flat galaxies, using the forward TF relation and the dipole approximation: $|V| = 260\,\mathrm{km/s}$, $l = 319°$, $b = 28°$ (Karachentsev et al., 1995). At the second stage (Karachentsev et al., 2000) a generalized multiparametric TF relation has been derived from which in a dipole approximation over ~ 1000 flat galaxies the values $|V| = 300\,\mathrm{km/s}$, $l = 328°$, $b = +7°$ have been obtained and an averaged field of peculiar velocities has been constructed. Our data have turned out to be in good agreement with the results obtained by Dekel et al. (1999), $|V| = 370\,\mathrm{km/s}$, $l = 305°$, $b = +14°$.

We have used the present list to investigate the bulk motion on the basis of the generalized TF regression and involvement, in addition to the dipole component, of the quadrupole and octupole components (Parnovsky et al., 2000). The bulk motion direction in this case too is close to that obtained previously.

The data collected in this paper on radial velocities and widths of flat spiral galaxies can be utilized as original when constructing the peculiar velocity field by other methods.

Acknowledgements. The work was supported through the grant of the RFBR No.98-02-16100.

References

Dekel A., Eldar A., Kolatt T., Yahil A., Willick J.A., Faber S.M., Courteau S., Burstein D., 1999, Astrophys. J., **522**, 1

Giovanelli R., Avera A., Karachentsev I.D., 1997, Astron. J., **114**, 122

Han M.-S., Mould J.R., 1992, Astrophys. J., **396**, 453

Karachentsev I.D., 1991, Pis'ma Astron. Zh., **17**, 97

Karachentsev I.D., Karachentseva V.E., Parnovsky S.L., 1993, Astron. Nachr., **314**, 3 (FGC)

Karachentsev I.D., Karachentseva V.E., Kudrya Yu.N., Parnovsky S.L., 1995, Astron. Nachr., **316**, 369

Karachentsev I.D., Karachentseva V.E., Kudrya Yu.N., Sharina M.E., Parnovsky S.L., 1999, Bull. Spec. Astrophys. Obs., **47**, 5 (RFGC)

Karachentsev I.D., Karachentseva V.E., Kudrya Yu.N., Parnovsky S.L., 2000, Astron. Zh., **77**, 175

Karachentsev I.D., Makarov D.I., 1996, Astron. J., **111**, 794

Kogut A., Lineweaver C., Smoot G.F. et al., 1993, Astrophys. J., **419**, 1

Lauberts A., 1982, The ESO/Uppsala Survey of the ESO(B) Atlas, Munich (ESO)

Makarov D.I., Karachentsev I.D., Tyurina N.V., Kajsin S.S., 1997a, Pis'ma Astron. Zh., **23**, 509

Makarov D.I., Karachentsev I.D., Burenkov A.N., Tyurina N.V., Korotkova G.G., 1997b, Pis'ma Astron. Zh., **23**, 736

Makarov D.I., Burenkov A.N., Tyurina N.V., 1999, Pis'ma Astron. Zh., **25**, 706

Makarov D.I., Burenkov A.N., Tyurina N.V., 2000, Pis'ma Astron. Zh., in preparation

Mathewson D.S., Ford V.L., Buchhorn M., 1992, Astrophys. J. Suppl. Ser., **81**, 413

Mathewson D.S., Ford V.L., 1996, Astrophys. J. Suppl. Ser., **107**, 97

Matthews L.D., van Driel W., 2000, Astron. Astrophys. Suppl. Ser., **143**, 421

Parnovsky S.L., Karachentsev I.D., Karachentseva V.E., Kudrya Yu.N., 2000, in preparation

Strauss M.A., Willick J.A., 1995, Phys. Rev., **261**, 271

Tully R.B., Fisher J.R., 1977, Astron. Astrophys., **54**, 661

Tully R.B., Fouqué P., 1985, Astrophys. J. Suppl. Ser., **58**, 67

de Vaucouleurs G., de Vaucouleurs A., Corwin H.C., Buta R.J., Paturel G., Fouqué P., 1991, Third Reference Catalogue of Bright Galaxies, New York, Springer-Verlag, v.1-3

Willick J.A., Courteau S., Faber S.M., Burstein D., Dekel A., 1995, Astrophys. J., **446**, 12

Willick J.A., Strauss M.A., Dekel A., Kolatt T., 1997a, Astrophys. J., **486**, 629

Willick J.A., Courteau S., Faber S.M., Burstein D., Dekel A., Strauss M.A., 1997b, Astrophys. J. Suppl. Ser., **109**, 333

Willick J.A., 1999, Astrophys. J., **516**, 47

Table 2: *A list of velocity–distance data for the RFGC galaxies*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1	2565	000056+202017	2.02	.17	416	6804	7049	6452	6606	−206	52	1
4	2567	000136+033017	1.34	.17	251	6343	6531	5982	6355	−131	−241	1
6	2563	000204+803832	1.32	.13	228	4104	4362	4001	4735	−302	−431	2
12	2573	000223+271238	1.68	.19	292	7630	7891	7290	5499	−233	2025	2
14	1	000403−065845	.78	.11	94	3725	3868	3375	2426	−79	1028	5
22	6E	000541−485848	.76	.08	120	6612	6549	6411	4507	140	1762	5
27	6	000653+414426	1.49	.15	254	4247	4530	3951	5125	−278	−895	2
45	16	001026+285917	1.98	.16	433	7850	8111	7517	7789	−243	−28	1
56	21	001317+170147	2.40	.31	85	854	1083	502	832	−199	−130	1
59	23	001348+431911	1.51	.17	382	16875	17157	16586	7432	−285	9439	2
60	24	001412+072444	1.01	.11	206	5836	6032	5479	5708	−157	−72	1
67	31E	001615−343032	.90	.09	250	7437	7442	7171	7905	62	−795	5

Table 2: *A list of velocity-distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
73	31	001935+183943	1.12	.09	141	5287	5517	4939	3630	−209	1519	1
81	34	002059+073721	1.23	.11	416	11838	12031	11484	11191	−161	454	1
86	37	002215+203629	1.04	.14	188	5638	5872	5294	4731	−218	781	2
89	43E	002257−354904	.73	.09	187	7440	7435	7182	6917	66	198	5
90	40	002306+205818	.71	.10	165	5410	5645	5067	6018	−220	−730	1
92	39	002307+350849	.76	.10	173	6117	6384	5805	6274	−268	−200	1
95	42	002402+162911	6.16	.64	199	842	1063	494	1046	−202	−349	3
101	45	002602+492902	1.06	.11	131	5174	5455	4913	2802	−301	2412	5
102	46	002702+113502	3.14	.34	249	2134	2337	1784	2427	−182	−460	3
112	51	002908+155400	2.24	.22	70	767	983	421	621	−202	3	1
113	53	002923+312257	1.12	.09	244	6334	6590	6014	6108	−259	166	1
123	59	003135+143645	1.40	.13	479	11430	11641	11084	10502	−198	780	1
126	60	003230+023430	1.34	.19	142	2375	2542	2028	2759	−143	−587	1
129	62	003506+453146	1.18	.16	192	5103	5377	4830	4359	−297	768	5
131	62E	003607−363719	.65	.09	70	1527	1511	1278	2166	65	−952	5
139	65	003721+290856	2.24	.17	312	5278	5525	4957	4988	−256	225	1
140	66	003753+324124	1.57	.15	216	4828	5082	4516	4449	−267	334	2
141	67	003757+050853	1.34	.16	188	5223	5396	4878	4072	−158	965	1
142	68	003809+111504	1.09	.11	308	11615	11810	11271	9318	−186	2139	1
143	69	003921+450716	.73	.09	338	13575	13847	13302	11107	−298	2493	2
145	70E	003933−354811	1.11	.13	193	6418	6405	6167	4890	59	1217	4
146	70	003937+085755	1.97	.28	355	4437	4623	4093	5104	−177	−834	1
152	74	004103+314359	2.12	.25	411	4655	4906	4342	5133	−265	−525	1
153	76	004110+253508	1.05	.11	332	10046	10282	9720	9245	−245	719	1
154	77	004111+150311	.90	.12	234	5045	5251	4705	8860	−204	−3950	1
155	78	004130+105324	1.01	.08	335	11868	12060	11525	11234	−187	478	1
158	79	004154+415716	.90	.11	389	14035	14302	13752	11222	−292	2823	2
164	83	004220−155924	1.23	.09	178	3913	3993	3599	4613	−50	−963	5
168	84	004438−111120	1.12	.09	158	8111	8211	7788	5535	−78	2331	5
169	85	004513+103010	1.12	.13	382	11972	12160	11632	10039	−186	1779	1
176	89	004708+302029	2.50	.21	337	5247	5491	4934	4499	−264	698	1
179	90	004747−095358	3.14	.43	128	1345	1449	1021	1103	−76	5	3
181	88E	004832−401023	1.23	.16	147	3548	3509	3320	2749	79	490	5
183	91	004902+281305	1.95	.22	367	5086	5324	4769	5505	−258	−477	1
184	92	004935+010658	2.18	.21	419	5282	5432	4946	5937	−144	−846	1
188	93	005026+050322	.73	.09	284	11250	11414	10913	10728	−164	348	1
189	94	005036+142559	.90	.11	256	9106	9304	8771	7935	−206	1042	1
192	96	005051+005105	1.01	.11	177	4572	4720	4237	5046	−143	−665	1
200	99	005208+143012	.71	.08	198	9116	9313	8782	7686	−207	1303	1
202	100	005253+313804	.78	.08	242	8276	8520	7969	8090	−270	149	1
203	101	005309+215537	1.20	.13	255	7303	7522	6978	6168	−237	1047	1
206	102	005326+291612	3.14	.43	359	4510	4748	4198	3870	−263	591	1
207	104	005330+281637	1.10	.09	412	10868	11104	10554	11813	−260	−999	2
208	105	005332+025527	1.71	.21	362	4907	5061	4573	6323	−155	−1594	1
209	102E	005346−451113	1.27	.17	321	7323	7258	7120	5660	104	1355	4
213	108	005441+364553	1.36	.13	234	6035	6288	5742	5604	−285	423	3
222	109E	005720−424016	1.04	.09	180	3985	3930	3773	5458	90	−1775	5
225	112	005834+450018	1.16	.09	189	5215	5478	4951	4897	−304	358	3
229	114	005948+144324	1.19	.11	385	12197	12390	11868	9954	−211	2126	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
233	121E	010044−853124	1.81	.17	256	4661	4439	4680	4478	275	−74	4
234	116	010102+094330	1.68	.15	300	6044	6218	5714	5818	−190	86	1
237	118E	010135−594431	1.81	.16	331	8429	8296	8303	7185	175	942	4
238	119E	010251−653636	3.26	.41	354	2304	2148	2210	2922	202	−914	4
241	119	010348+311153	1.01	.12	257	6263	6499	5962	6769	−273	−534	1
255	124	010837+013829	4.65	.30	191	1979	2117	1656	1446	−155	366	3
261	128	010956+204617	1.85	.12	234	5094	5299	4778	4113	−240	905	1
262	129	011016+291200	.73	.10	140	4651	4878	4350	5335	−269	−715	1
268	131	011131+231258	.95	.12	337	10308	10519	9997	9467	−249	779	3
274	141E	011249−311204	1.49	.17	275	5565	5554	5316	5179	21	115	4
278	136	011312+345758	1.10	.10	190	4743	4982	4457	5174	−286	−430	1
282	139	011423+501339	1.10	.11	377	6299	6559	6062	9029	−316	−2650	2
286	143	011600+063815	1.25	.11	61	2436	2588	2117	909	−182	1390	1
291	145	011736+490041	1.46	.17	235	5354	5612	5114	4171	−316	1259	2
295	147	011844+494052	.96	.12	199	6524	6782	6287	5121	−317	1483	2
302	153	012045+041049	1.12	.11	221	5079	5218	4765	6250	−172	−1313	1
304	155	012123−015146	1.03	.12	114	2217	2331	1908	2789	−142	−738	5
311	157	012320+141559	.67	.07	268	11256	11430	10945	9951	−218	1212	1
315	159	012357+283759	.99	.11	117	4125	4342	3832	2683	−272	1421	1
316	161	012430+154603	1.27	.16	253	5050	5228	4741	5721	−225	−754	1
317	162	012434+163212	1.83	.24	149	2419	2600	2111	2248	−228	91	1
318	163	012445+095942	2.63	.35	354	2726	2884	2415	3589	−200	−973	1
330	170	012848+342045	1.76	.10	161	2659	2886	2382	3107	−290	−434	1
338	171	013239+114948	1.03	.11	484	10610	10769	10306	12440	−211	−1922	1
342	173	013451−030303	1.36	.11	180	5927	6026	5631	4155	−141	1616	5
344	175	013531+020153	1.29	.12	146	2611	2730	2311	3207	−167	−729	5
347	180E	013633−802049	1.53	.17	213	4309	4097	4303	3372	257	673	4
355	179	013803+322935	1.83	.19	283	5449	5666	5175	4562	−287	901	1
356	180	013831+284323	1.53	.18	398	10901	11108	10620	9022	−276	1874	1
357	181	013909−103014	1.23	.11	198	5553	5617	5271	5166	−103	208	5
363	183	014027+343726	2.02	.28	354	5505	5725	5238	4545	−294	986	1
364	184	014030+143123	1.12	.11	265	8126	8288	7830	7254	−225	802	1
374	191	014428+275544	1.79	.13	180	4037	4238	3760	3231	−276	804	1
377	192	014509+320725	1.12	.11	404	11218	11429	10949	10409	−288	828	1
384	195	014931+323520	5.82	.65	109	157	366	-106	457	−290	−273	3
385	196	014944+284312	1.18	.10	187	7895	8094	7624	5072	−279	2831	5
393	199	015133+415014	1.23	.12	388	10322	10550	10081	8167	−312	2226	2
397	202	015310+204023	1.12	.15	72	2400	2573	2121	1183	−253	1191	5
401	205	015331+182306	1.06	.10	182	4900	5065	4619	5768	−245	−903	5
406	206	015437+170433	1.34	.17	213	4764	4924	4483	5343	−240	−619	1
407	208	015515+100050	1.57	.17	383	5902	6036	5619	7060	−210	−1230	1
408	209	015535+164840	.92	.11	280	9684	9842	9404	8262	−239	1381	1
411	206E	015616−225404	2.23	.27	217	1830	1826	1591	2355	−38	−725	4
412	213	015617+043850	2.05	.22	352	4976	5089	4695	6138	−186	−1256	1
415	215	015642+174240	1.03	.09	302	11431	11591	11153	9175	−243	2221	1
418	217	015830+220658	1.12	.15	164	4977	5150	4705	3923	−260	1041	1
419	219	015853+053541	1.29	.13	248	5831	5945	5553	5803	−191	−59	1
420	218	015906+360346	1.77	.22	360	5468	5679	5219	5230	−302	291	1
421	222	015918+180036	1.02	.12	148	2012	2171	1737	3833	−244	−1851	3

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
424	221	015934+400538	1.02	.11	160	4771	4991	4532	4301	−310	542	5
425	223	015942+320458	1.70	.19	226	5165	5366	4909	4198	−291	1002	1
429	225	020025+155749	.94	.11	174	5063	5214	4788	5200	−237	−175	1
430	227	020056+194226	.91	.09	214	5620	5783	5348	6261	−251	−661	1
435	217E	020231−794016	1.90	.22	388	4605	4391	4600	5054	253	−707	4
439	230	020305+023651	2.07	.29	474	6387	6486	6115	6023	−177	269	1
444	235	020455+430918	1.57	.15	558	9021	9244	8794	10209	−317	−1097	2
446	236	020510+243959	1.37	.12	194	4840	5016	4577	4867	−270	-18	1
447	237	020514+300018	1.02	.11	166	5235	5426	4980	4168	−287	1099	1
452	239	020554+504415	1.52	.17	387	7794	8029	7590	6744	−327	1173	2
453	220E	020620−520141	1.45	.20	314	5882	5751	5753	5888	124	−260	4
455	243	020627+133954	.92	.10	289	9043	9181	8773	8476	−229	526	1
456	242	020627+310708	1.03	.11	154	3891	4085	3639	4143	−290	−213	5
457	244	020637+013057	1.29	.13	341	6816	6908	6548	8052	−173	−1330	1
458	245	020715+461520	1.12	.13	225	1315	1542	1098	5660	−322	−4239	5
463	249	020926+371529	2.13	.11	214	4585	4792	4348	3870	−306	784	3
467	223E	021039−223907	1.37	.13	221	5216	5202	4991	5009	−43	24	4
469	256	021103+064001	.90	.08	96	1608	1716	1343	2818	−199	−1276	1
471	257	021125+155357	.96	.12	298	7814	7956	7550	8615	−239	−825	1
472	255	021126+404532	1.06	.12	266	5890	6104	5663	6798	−314	−821	2
474	226E	021312−705448	1.52	.16	290	8000	7806	7957	5001	217	2739	4
476	261	021336+102010	1.16	.15	140	3596	3716	3333	3369	−216	180	1
484	266	021520+220023	1.79	.11	261	4418	4578	4163	4664	−263	−238	1
485	267	021522+184037	1.09	.09	346	8217	8365	7959	8979	−251	−768	1
491	271	021712+080525	.78	.08	258	10043	10151	9784	9081	−207	910	1
492	272	021732−113108	1.22	.17	243	3976	4004	3736	5479	−107	−1635	5
494	273	021748−064957	1.34	.16	125	2164	2211	1917	2446	−132	−396	5
500	277	021948+185902	.90	.08	181	4316	4462	4063	5941	−253	−1625	5
503	236E	022103−633730	1.27	.17	116	5867	5690	5796	1881	182	3731	4
504	280	022131+141153	2.52	.22	376	3744	3871	3491	4860	−234	−1134	1
505	282	022137−094212	1.27	.11	189	4700	4732	4461	4360	−118	219	5
506	279	022146+330116	2.13	.24	205	3947	4135	3713	2652	−298	1360	1
507	281	022148+165230	1.48	.17	298	3966	4103	3714	5153	−245	−1193	1
509	283	022230−003703	2.35	.22	133	1536	1605	1288	1688	−166	−234	3
510	284	022250+174854	1.01	.10	187	4128	4267	3878	5332	−249	−1204	5
514	287	022431+313657	2.24	.25	240	4804	4986	4571	3031	−295	1834	1
515	288	022438+192235	1.34	.17	238	6583	6726	6336	4613	−255	1978	5
516	290	022500+194207	1.34	.17	588	10591	10735	10344	13939	−256	−3338	1
517	289	022515+452712	2.02	.20	266	5195	5410	4991	3674	−324	1640	3
522	292	022625+225949	1.27	.17	458	10190	10344	9948	11375	−268	−1158	1
525	295	022700−024142	1.29	.17	205	4482	4539	4241	4671	−156	−273	5
528	296	022749+314336	2.39	.34	98	598	777	368	1000	−296	−335	1
531	299	022827+153625	1.90	.13	196	4080	4207	3835	3530	−241	546	1
538	303	022954+251523	2.13	.27	216	1915	2073	1679	3272	−276	−1316	1
544	305	023052+432100	1.27	.11	472	6203	6410	5999	9679	−321	−3359	2
547	309	023152+190911	4.03	.56	139	972	1108	733	1072	−255	-83	1
549	310	023241+154308	.90	.11	204	5873	5996	5633	5657	−242	218	1
551	312	023314+253022	1.42	.16	470	11099	11255	10867	9364	−278	1781	2
553	314	023420+323021	4.03	.47	565	4855	5032	4633	4252	−298	680	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
558	317	023616+252525	5.94	.78	186	707	861	478	989	−278	−232	3
560	320	023631+071835	2.89	.22	419	6122	6210	5886	4926	−206	1167	1
561	321	023700+253730	1.02	.11	504	10835	10989	10607	12311	−279	−1425	1
566	255E	023748−612018	5.79	.61	107	513	336	442	435	170	−163	3
568	325	023819+021835	1.55	.22	373	5825	5892	5594	6641	−183	−863	1
570	326	023842+104619	1.01	.10	252	7916	8016	7683	7515	−222	389	1
579	329	024155+320517	1.61	.17	209	4561	4731	4346	3884	−298	761	1
582	333	024231+415956	1.04	.10	226	6536	6732	6339	6095	−320	564	2
586	337	024344+322946	2.02	.28	308	4131	4301	3919	4784	−299	−564	1
587	338	024349+063835	1.48	.21	297	6112	6191	5886	5328	−204	762	1
589	339	024458+302241	1.57	.13	98	832	994	618	1865	−294	−952	1
594	344	024742−185025	1.25	.17	149	3065	3036	2873	3040	−70	−96	5
598	268E	024827−403322	2.44	.21	283	4821	4706	4685	3518	55	1112	4
600	346	024909−075015	3.10	.35	156	1332	1348	1124	1455	−132	−199	3
603	347	025017−083550	2.55	.25	259	5323	5334	5118	3588	−128	1658	4
609	272E	025158−332024	2.63	.35	427	6360	6270	6207	5117	13	1076	4
619	358	025423+114453	1.68	.19	366	7399	7489	7185	6769	−228	644	1
620	355	025426+423900	2.43	.15	183	2162	2351	1978	2174	−322	126	3
621	360	025434−183807	3.70	.45	81	1968	1934	1785	476	−72	1381	3
622	359	025439+092121	1.15	.11	351	7521	7601	7308	8476	−218	−949	1
625	363	025549+010446	1.23	.11	273	5033	5079	4825	6051	−179	−1047	1
626	362	025608+274204	1.10	.11	218	6472	6617	6268	5342	−287	1213	1
633	368	025822+035143	3.02	.40	256	3053	3108	2847	2608	−192	431	1
634	364	025851+754440	4.37	.34	299	2546	2781	2452	1983	−321	790	3
642	371	030036+490235	2.37	.17	308	2464	2664	2298	2826	−331	−195	3
652	378	030204+254735	.94	.12	244	6786	6920	6588	6940	−281	-71	1
653	379	030233+462619	1.20	.12	322	6780	6973	6611	6944	−328	-4	5
656	382	030442−123705	1.00	.11	139	4364	4346	4183	3843	−107	447	5
658	383	030508+010537	1.68	.22	339	6951	6989	6756	6736	−179	198	1
663	385	030700+361005	1.96	.21	392	3940	4103	3758	6517	−310	−2448	1
670	391	030937−174955	1.18	.13	113	2006	1962	1840	2341	−77	−422	5
671	390	030937+183000	1.55	.18	511	10733	10835	10540	9458	−256	1338	1
674	392	031136+350137	1.18	.11	217	4566	4722	4388	5562	−307	−865	5
687	402	031513−071615	1.70	.17	382	9386	9380	9212	7417	−136	1931	5
693	407	031717−150318	1.46	.12	358	9527	9488	9367	8135	−93	1325	5
697	408	031751−171348	1.00	.10	197	6903	6854	6747	5763	−81	1065	5
702	410	031953−033537	2.02	.21	224	2756	2761	2585	3448	−156	−706	5
705	411	032113+072636	1.37	.12	460	10983	11031	10806	11334	−210	−317	1
708	412	032205+421016	1.15	.11	378	5445	5614	5288	7433	−322	−1823	2
709	416	032236+092824	1.40	.15	493	7285	7340	7110	10722	−219	−3393	1
711	417	032324+110907	2.46	.27	279	6167	6228	5992	3953	−226	2265	1
713	418	032403+150607	.90	.12	314	10517	10593	10343	8643	−243	1943	1
715	315E	032438−191753	1.04	.09	184	1885	1822	1742	6430	−69	−4618	5
717	419	032456+385637	.90	.11	265	5106	5264	4948	7216	−316	−1952	2
719	423	032507+051406	1.21	.10	346	8828	8864	8658	8987	−199	−128	1
722	424	032525−161406	3.23	.28	225	1878	1827	1731	2272	−87	−454	3
725	425	032612+012425	.81	.08	198	10103	10122	9937	7705	−181	2413	1
728	428	032719+035513	.75	.10	184	6661	6690	6495	6944	−193	−255	1
730	429	032734+085942	1.18	.07	544	11385	11434	11217	14491	−217	−3056	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
731	426	032748+400202	1.34	.16	291	4070	4229	3916	5551	−318	−1316	2
735	327E	032938−232100	1.27	.17	98	1639	1556	1510	1920	−46	−364	4
738	432	033159+144652	.76	.09	391	8630	8698	8467	12790	−241	−4081	1
744	433	033259+155231	1.46	.10	475	9328	9399	9166	11323	−246	−1911	1
746	434	033346−094935	1.25	.11	197	4012	3979	3868	5127	−122	−1137	5
752	436	033448+150831	1.03	.10	240	6218	6284	6059	7647	−243	−1345	1
757	439	033928+132335	1.10	.12	422	9885	9940	9733	11159	−235	−1190	1
761	442	034034+033213	.90	.11	206	5733	5748	5586	6498	−191	−721	1
762	443	034101+133417	1.40	.16	458	10054	10109	9904	11036	−236	−895	1
765	444	034135+160113	1.46	.18	533	9117	9181	8967	11237	−246	−2023	1
769	446	034455+055418	1.81	.13	335	6101	6121	5959	6177	−201	-15	1
779	453	034718−144151	1.20	.15	117	1697	1632	1578	2321	−94	−648	5
782	455	034914+160506	.78	.11	268	6383	6440	6244	9631	−245	−3140	1
787	458	035424+063523	1.53	.17	232	3471	3485	3343	4878	−204	−1330	1
790	459	035727−031500	1.46	.19	169	4090	4062	3974	2967	−155	1162	5
794	363E	035856−455132	1.53	.16	102	1031	852	982	1657	86	−761	4
795	461	035955+323647	1.14	.13	278	5304	5415	5183	6523	−299	−1040	1
799	368E	040054−673643	1.88	.24	67	1439	1216	1437	627	200	609	4
800	464	040137+244919	.81	.11	200	6674	6754	6553	6450	−276	378	1
808	466	040742+254621	1.38	.15	297	5415	5494	5302	6287	−278	−706	3
809	467	040757+332558	.97	.09	197	4843	4950	4732	6071	−300	−1037	1
811	379E	040900−484337	2.49	.25	332	4066	3874	4033	3686	103	242	4
817	470	041401+264459	1.01	.11	225	5555	5632	5451	5479	−280	252	5
822	473	041720+022700	1.21	.12	181	3215	3191	3125	4082	−180	−776	1
824	387E	041754−555555	3.26	.44	190	1375	1163	1363	1554	143	−335	4
826	476	041830−145924	1.70	.17	349	8681	8587	8609	6914	−88	1782	5
829	475	041847+031339	1.01	.13	423	7434	7412	7345	10222	−184	−2692	1
830	474	041905+261047	1.79	.25	247	3751	3822	3654	3952	−278	-19	1
844	483	042514+045903	.99	.09	219	4951	4930	4871	6250	−191	−1187	1
849	403E	042812−414106	1.11	.09	185	4471	4283	4447	4891	67	−510	5
850	485	042814+010312	1.42	.16	200	3895	3856	3823	4030	−171	−35	1
858	410E	043009−424057	1.65	.16	275	4984	4792	4964	5298	73	−407	4
868	492	043405+012437	.92	.09	302	10068	10025	10005	9980	−172	196	1
872	495	043731−030614	1.46	.18	218	4424	4359	4370	4326	−148	192	5
876	493	043819+721652	1.37	.13	312	4807	5013	4747	6420	−324	−1348	2
877	422E	043911−241048	1.36	.09	223	4388	4244	4357	5135	−31	−746	4
882	427E	044026−630627	1.86	.20	378	4202	3969	4218	5285	182	−1250	4
895	497	044615+762508	4.59	.63	211	993	1205	939	1474	−317	−217	3
896	503	044637+003715	1.57	.13	481	8781	8723	8738	9524	−164	−621	1
897	498	044639+700713	1.79	.19	324	4550	4748	4493	4753	−325	65	2
900	505	044800+084240	1.90	.15	336	4732	4706	4685	5697	−203	−809	1
902	438E	044803−251348	1.95	.24	312	4546	4391	4529	5035	−23	−483	4
906	507	044939+002851	.80	.11	350	8489	8428	8451	10816	−163	−2201	1
907	441E	044951−360618	1.53	.19	260	5303	5115	5299	4207	39	1052	4
911	510	045146+034008	2.02	.20	234	4578	4528	4541	3371	−178	1348	1
912	511	045153−055653	.83	.08	115	2749	2660	2720	3819	−129	−970	5
914	512	045213−182335	1.53	.16	351	9560	9424	9542	6878	−61	2725	4
916	513	045228−191735	.90	.12	154	3056	2917	3039	4469	−55	−1373	5
924	516	045632−122407	1.36	.16	174	3985	3867	3969	3642	−93	420	5

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
925	517	045736−114934	1.18	.10	312	7909	7793	7894	9459	−96	−1469	5
932	519	050247−021706	1.12	.12	192	4456	4372	4441	4706	−145	−119	5
944	523	050731−113909	2.26	.17	219	2358	2234	2358	2984	−93	−532	5
955	527	051547+064641	1.12	.13	346	8196	8138	8195	8086	−185	294	1
958	528	051646+063722	2.02	.28	492	7967	7908	7967	7319	−183	832	1
970	485E	052148−234836	3.08	.35	310	1755	1578	1786	2432	−21	−625	4
972	531	052305+671944	1.28	.11	477	12397	12576	12361	10277	−323	2407	2
974	524	052320+854023	.83	.09	186	3712	3937	3668	6356	−298	−2389	5
987	536	053012+555216	1.57	.21	182	2183	2321	2161	2552	−320	-71	3
988	506E	053141−734504	2.17	.12	227	4376	4124	4427	3327	235	864	4
992	537	053414+701131	1.90	.25	315	4216	4401	4185	5204	−319	−699	3
993	540	053456−100116	1.05	.15	248	7010	6869	7052	5810	−92	1334	4
995	538	053635+633517	1.15	.10	492	12915	13078	12891	11190	−321	2023	2
1000	539	053935+771845	3.75	.30	510	4085	4289	4050	4262	−311	100	3
1015	527E	054621−172259	.96	.09	140	5738	5562	5802	3697	−47	2151	5
1023	543	054958+510535	1.65	.18	506	7782	7892	7784	7972	−310	122	2
1033	547	055737+784612	.93	.12	178	7821	8026	7790	4450	−308	3648	5
1042	553E	060143−345642	.73	.09	93	1306	1072	1395	2981	56	−1642	5
1043	554E	060239−280413	.61	.06	85	6417	6198	6507	3000	19	3488	5
1047	550	060427−202114	1.90	.21	255	2884	2686	2976	3908	−22	−910	4
1049	562E	060729−614825	4.35	.52	274	1211	945	1291	1615	192	−517	4
1053	554	061021+504706	1.38	.17	340	7743	7842	7765	6458	−303	1611	2
1055	552	061043+671507	1.46	.11	247	5204	5368	5198	5413	−314	99	5
1057	556	061108+552017	.87	.11	204	6388	6506	6403	5418	−309	1294	5
1062	569E	061249−341507	.73	.09	209	8774	8534	8877	6464	57	2356	4
1072	558	061740+784922	1.46	.20	209	4273	4475	4248	3875	−306	679	3
1073	580E	061810−245516	.82	.11	136	2033	1812	2145	4099	9	−1963	5
1079	559	062038+672938	.86	.09	126	4284	4447	4283	3864	−312	732	2
1081	563	062103−055159	1.79	.22	106	789	629	900	1144	−92	−152	5
1095	567	062848+560356	1.10	.10	220	5276	5389	5305	5260	−304	349	2
1096	598E	062904−271937	1.36	.17	325	7034	6800	7160	6549	27	583	4
1099	603E	063101−713006	1.53	.13	230	4291	4024	4372	4644	235	−508	4
1102	569	063238+713340	2.41	.25	345	3634	3809	3631	4239	−309	−299	3
1104	574	063333+210213	2.07	.24	456	5456	5403	5557	5632	−210	136	3
1109	572	063455+655010	1.21	.10	109	1285	1437	1296	1770	−309	−164	5
1112	576	063511+532842	1.55	.10	304	7973	8073	8013	5969	−299	2343	5
1113	575	063537+644120	.91	.09	221	5605	5752	5619	6530	−308	−601	2
1118	611E	063819−515707	2.06	.25	128	1028	752	1145	1663	157	−675	4
1119	578	063900+572258	1.00	.12	342	7963	8078	7997	8667	−302	−366	2
1122	580	064125+453710	1.34	.12	358	6244	6305	6308	8104	−282	−1513	2
1128	621E	064440−712725	2.10	.24	434	4097	3827	4184	5634	238	−1688	4
1129	583	064611+680607	1.04	.10	389	11219	11377	11231	10131	−307	1407	2
1132	624E	064844−320550	1.36	.09	132	2802	2546	2951	2673	62	215	5
1133	585	064856+661542	2.24	.22	298	3305	3455	3324	4131	−306	−501	3
1135	586	064945+293134	1.29	.11	364	4813	4791	4921	8050	−233	−2895	1
1140	589	065148+272852	2.77	.21	445	4834	4801	4949	5768	−225	−594	1
1143	592	065312+270451	1.90	.19	282	4438	4403	4556	4400	−223	378	3
1144	588	065350+680417	.90	.10	243	5336	5492	5352	7012	−305	−1354	2
1145	630E	065400−631308	1.45	.17	178	3538	3258	3648	3473	210	-35	4

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1147	590	065450+704453	1.70	.12	223	3902	4069	3911	4026	−305	190	2
1148	594	065551+135421	1.15	.09	447	7971	7871	8114	8574	−167	−291	3
1151	632E	065634−284312	.74	.09	172	6602	6349	6764	5175	49	1539	5
1159	596	070400+504051	1.70	.21	520	6378	6453	6451	8272	−283	−1537	2
1161	598	070706+443946	.95	.11	168	5867	5912	5960	4866	−269	1363	5
1162	600	070712+141044	.95	.08	342	8111	8006	8270	8875	−162	−443	3
1163	597	070723+711133	.93	.11	119	3260	3426	3274	3029	−302	547	2
1164	603	070949+234300	.90	.11	162	6597	6536	6742	6155	−200	788	1
1166	604	071024+394218	.91	.10	295	6359	6378	6468	9428	−255	−2704	5
1167	599	071024+745328	1.81	.22	311	3820	4001	3823	4942	−301	−816	2
1169	606	071033+380521	1.15	.10	387	15581	15592	15695	9744	−250	6201	2
1172	601	071119+715013	3.23	.29	249	3137	3305	3150	2360	−302	1092	3
1174	605	071130+594241	.97	.11	549	11934	12049	11986	13588	−294	−1306	2
1179	651E	071418−744415	1.45	.17	196	4328	4058	4420	3690	253	475	4
1181	610	071459+344852	1.09	.13	301	7160	7152	7287	7539	−237	-14	1
1183	611	071504+380841	1.66	.22	167	3350	3359	3468	2899	−248	817	5
1184	609	071508+484450	1.55	.10	372	5545	5607	5634	7445	−275	−1535	2
1188	613	071637+325726	1.03	.13	236	7311	7293	7444	6482	−230	1193	1
1189	614	071641+301552	.91	.09	168	3287	3255	3427	5044	−221	−1396	1
1190	615	071643+295119	2.24	.32	260	3213	3179	3354	3078	−219	495	3
1191	618	071724+223048	1.24	.15	432	9641	9570	9799	10355	−191	−364	1
1192	617	071731+335830	1.46	.15	262	3849	3836	3981	4796	−233	−581	3
1194	619	071740+232125	4.26	.35	331	2275	2208	2431	2497	−194	128	1
1195	620	071753+244523	1.21	.11	353	6182	6122	6336	8193	−200	−1657	1
1196	621	071758+263850	1.79	.12	191	2592	2542	2742	3750	−207	−801	1
1199	623	071850+133129	.88	.10	181	4577	4462	4752	4823	−151	81	5
1206	626	072219+171713	1.68	.21	296	2530	2431	2704	4507	−166	−1637	1
1211	629	072436+060858	1.12	.08	220	3841	3690	4034	4696	−113	−548	1
1217	630	072740+482646	1.06	.13	102	936	992	1037	2232	−269	−925	5
1219	632	072850+282320	.88	.11	209	6474	6427	6633	6556	−207	283	1
1220	633	072943+334124	2.35	.32	236	4797	4777	4943	3130	−225	2039	3
1223	634	073324+202737	.64	.08	298	8656	8568	8838	10830	−172	−1819	1
1224	666E	073506−465534	3.30	.45	324	2875	2580	3053	2493	158	402	4
1229	640	073645+550227	1.94	.22	444	8809	8895	8895	6956	−278	2218	2
1231	637	073704+643309	1.72	.11	289	4859	4991	4911	5543	−291	−340	2
1233	668E	073736−521822	1.45	.16	333	3068	2771	3235	5500	182	−2446	4
1234	642	073741+595049	1.21	.12	307	11973	12082	12043	7567	−286	4761	2
1235	645	073748+321247	1.12	.15	352	8133	8102	8292	9451	−216	−942	1
1236	638	073809+705101	1.23	.11	167	2490	2650	2518	3765	−296	−950	2
1239	648	073925+085352	1.58	.16	321	5106	4960	5315	5591	−116	−159	3
1243	650	074035+260805	1.23	.13	378	8389	8326	8567	8648	−191	109	1
1244	649	074038+391359	3.94	.47	410	3109	3113	3251	3156	−237	333	3
1246	647	074107+623853	.83	.10	336	12079	12201	12140	10147	−288	2282	2
1247	651	074239+613340	1.34	.15	381	8323	8439	8389	8100	−286	576	2
1248	652	074333+313207	1.34	.11	153	3736	3699	3903	3505	−210	608	3
1249	655	074428+474352	1.11	.13	352	6423	6470	6541	7452	−259	−651	2
1250	674E	074438−580914	2.35	.27	320	2916	2619	3073	4156	207	−1290	4
1251	654	074447+585846	1.08	.11	169	5187	5290	5264	4588	−282	958	2
1252	653	074450+600725	.81	.10	338	11776	11885	11849	10338	−284	1794	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1255	656	074519+383448	1.30	.15	420	10908	10907	11056	10226	−233	1063	2
1257	659	074701+521339	1.32	.15	282	5810	5879	5914	5647	−269	536	2
1259	660	074802+282420	1.23	.12	191	4723	4668	4903	4201	−195	897	1
1260	661	074815+284255	.72	.10	202	6854	6801	7034	7966	−197	−735	1
1261	662	074836+300914	1.46	.16	348	8123	8077	8299	7527	−202	974	1
1262	663	074852+362324	1.05	.12	344	8544	8530	8703	9366	−224	−438	1
1263	664	074950+335743	2.24	.28	429	4794	4767	4961	5516	−215	−340	3
1265	665	075045+542143	2.13	.30	404	3402	3481	3501	5440	−271	−1666	3
1266	668	075155+271811	1.33	.13	480	7903	7841	8090	9885	−189	−1605	3
1270	667	075230+603613	.90	.10	211	6793	6903	6869	6908	−282	243	2
1271	672	075243+240720	1.00	.11	493	13683	13605	13879	12303	−175	1752	1
1272	671	075257+401028	1.48	.18	126	8263	8268	8414	2181	−234	6467	5
1273	670	075307+551428	1.81	.21	514	7529	7612	7626	8176	−272	−277	2
1274	675	075345+394658	.99	.11	151	3867	3870	4020	3929	−232	323	2
1276	677	075420+324628	.84	.11	216	5307	5273	5482	6735	−208	−1044	1
1277	674	075439+601150	1.12	.11	371	9752	9859	9831	8994	−280	1117	2
1279	683	075500+362748	.86	.12	202	6068	6053	6233	6744	−221	−290	1
1280	681	075507+425728	.78	.09	286	7541	7560	7685	9105	−241	−1179	2
1282	679	075524+561002	.96	.11	442	9035	9122	9130	12703	−273	−3299	2
1284	680	075534+560925	1.14	.11	488	13954	14041	14049	11585	−273	2737	2
1285	684	075540+284431	.96	.08	153	6385	6329	6573	4743	−192	2022	1
1287	685	075604+342114	.81	.11	167	4759	4732	4931	5554	−213	−409	1
1288	683E	075623−592159	1.01	.13	371	10131	9833	10291	10940	216	−864	4
1291	688	075717+312812	1.06	.10	193	5270	5228	5452	5630	−201	24	1
1293	689	075727+354315	1.19	.10	232	4163	4143	4332	5925	−217	−1375	5
1295	684E	075815−495102	6.06	.70	287	1119	817	1309	1254	181	−126	3
1299	694	075938+263307	1.19	.16	371	7403	7334	7601	7436	−181	345	1
1301	697	080023+421132	2.52	.34	126	737	750	888	1191	−236	−66	3
1302	699	080048+083823	.97	.10	147	2532	2376	2767	4412	−100	−1543	5
1303	692	080052+662659	.87	.10	275	11502	11638	11559	8626	−286	3219	2
1305	696	080103+590824	1.36	.10	516	12313	12414	12400	11344	−276	1332	2
1306	700	080131+094227	2.80	.36	485	4879	4727	5114	5158	−105	60	3
1307	704	080338+432035	1.12	.12	214	4607	4625	4757	5401	−238	−405	2
1312	678	080418+843830	2.49	.32	201	1860	2073	1838	2634	−291	−504	3
1313	706	080436+355953	.96	.09	192	5586	5565	5761	5430	−213	545	1
1314	707	080443+352404	1.46	.20	352	8725	8701	8902	6975	−211	2139	3
1316	710	080531+393246	.96	.11	365	11984	11982	12148	10118	−225	2255	2
1322	708	080738+743506	1.21	.12	146	2296	2468	2320	2793	−291	−182	2
1325	718	080903+164039	1.43	.10	179	2838	2716	3069	3766	−132	−564	3
1329	720	081011+245334	2.18	.17	237	4162	4081	4375	3640	−167	903	1
1339	727	081357+523853	4.87	.40	554	5459	5524	5581	4523	−258	1315	3
1340	730	081359+454434	5.17	.58	170	563	591	712	963	−240	-11	3
1341	728	081410+572443	.88	.11	280	8242	8331	8344	8414	−268	198	2
1342	732	081416+404449	.77	.09	367	11762	11764	11930	11490	−224	664	2
1346	725	081515+710217	.94	.09	170	4538	4693	4580	5121	−287	−253	2
1347	734	081521+213332	1.39	.18	263	4269	4170	4496	5721	−149	−1075	1
1348	735	081528+082040	1.30	.11	271	9008	8845	9260	6200	−88	3149	1
1349	736	081559+231158	2.17	.24	383	4283	4192	4506	5239	−156	−576	1
1356	740	081904+634105	.93	.10	361	9790	9910	9867	10262	−277	−116	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1358	741	081930+664046	1.12	.11	369	11275	11409	11339	9606	−281	2014	2
1365	746	082414+341941	1.14	.10	209	5199	5164	5398	4894	−196	699	1
1367	749	082436+220116	1.12	.13	221	4704	4604	4939	5538	−145	−453	1
1369	751	082502+323007	1.34	.18	513	13626	13581	13831	11675	−188	2345	1
1370	754	082524+301623	.78	.11	230	7643	7586	7856	7732	−179	303	1
1372	755	082548+280705	2.02	.21	194	2192	2123	2412	2876	−170	−293	1
1373	750	082552+610730	1.04	.11	371	9779	9885	9871	9771	−271	371	2
1375	756	082605+214004	1.79	.12	211	4391	4289	4628	4134	−143	637	1
1377	758	082859+560537	.85	.09	282	7699	7779	7816	8937	−259	−861	2
1382	762	083032+194421	1.01	.11	173	4646	4533	4893	4891	−131	132	1
1383	763	083040+203556	1.12	.11	328	6011	5902	6256	8461	−135	−2070	1
1388	767	083222+032957	.65	.09	188	9098	8908	9375	7123	−52	2304	1
1394	707E	083353−212255	1.04	.08	193	4733	4457	5011	4874	73	64	5
1396	768	083524+545933	.81	.10	714	23632	23705	23757	16986	−254	7026	2
1397	769	083538+585519	.76	.09	207	11611	11705	11719	6837	−263	5145	2
1405	774	083812+455255	.87	.10	242	7067	7091	7234	6938	−227	523	2
1411	780	084014+053810	1.68	.18	148	1939	1757	2221	2407	−57	−128	1
1415	782	084115+415817	.74	.09	243	9742	9744	9927	8383	−213	1757	2
1417	783	084140+185136	1.77	.17	220	4623	4503	4882	4552	−119	449	1
1418	781	084141+573905	.72	.09	90	2340	2426	2457	2796	−258	−80	5
1420	784	084244+354527	1.23	.11	165	2914	2882	3123	3884	−190	−570	3
1422	785	084316+130510	3.02	.39	252	2068	1919	2341	2364	−91	68	3
1425	789	084421+093215	1.23	.10	222	4066	3900	4346	5490	−73	−1070	1
1429	792	084635+190107	1.81	.24	259	4264	4144	4527	4203	−116	441	1
1431	794	084716−200210	3.36	.45	592	4573	4298	4865	5351	76	−561	4
1434	796	084850+295212	2.13	.19	385	5964	5899	6198	5750	−162	611	1
1436	791	084923+751733	1.19	.13	287	6256	6428	6288	6632	−283	-60	2
1437	721E	084955−203900	.74	.08	127	3231	2954	3525	4794	81	−1350	5
1439	800	085017+032951	1.68	.10	409	8471	8277	8765	7781	−39	1023	1
1441	799	085037+350919	.80	.11	458	16770	16734	16988	13491	−183	3679	1
1443	722E	085134−213850	1.11	.09	157	2537	2257	2831	3837	87	−1093	5
1446	808	085333+044656	1.43	.09	266	6190	6001	6486	6285	−43	243	1
1448	804	085351+492046	.85	.10	443	15068	15108	15230	13205	−230	2255	2
1449	810	085400+184055	1.79	.21	263	4358	4234	4629	5292	−109	−553	1
1451	806	085419+542728	.90	.11	323	7451	7519	7589	9383	−244	−1549	2
1452	811	085433+400137	.94	.10	251	7234	7223	7436	7201	−199	434	2
1455	809	085451+582120	.66	.08	263	11758	11846	11878	9612	−254	2520	2
1456	813	085513+520224	.85	.09	280	9757	9812	9907	8749	−237	1396	2
1459	817	085631+212241	.81	.10	223	7803	7693	8069	7050	−120	1139	1
1461	819	085844+310641	.87	.08	308	9148	9088	9386	9837	−161	−289	1
1462	820	085901+391233	4.14	.41	121	596	580	804	780	−193	217	3
1464	821	085914−045249	.90	.10	117	3596	3367	3904	3410	9	485	5
1465	823	090024+253640	1.57	.22	130	1794	1705	2051	2055	−136	132	3
1467	822	090037+504042	2.91	.34	522	5116	5163	5276	5625	−231	−118	3
1468	825	090055+315938	1.57	.12	129	1997	1942	2234	2440	−163	−42	1
1470	827	090116+040704	1.57	.09	294	8430	8237	8733	7299	−33	1468	3
1471	826	090132+503702	1.56	.20	64	712	758	872	698	−230	404	5
1472	824	090143+600926	1.41	.16	178	3235	3332	3349	3227	−255	378	2
1477	830	090433+451731	1.76	.20	199	1833	1850	2019	3215	−212	−983	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1487	840	090707+281858	1.38	.11	209	6546	6470	6800	5516	−144	1427	3
1490	842	090738+283808	1.10	.10	284	6696	6622	6949	7501	−145	−406	1
1491	844	090805+203014	1.46	.19	351	7678	7561	7956	7464	−108	599	1
1497	848	091005+443705	1.23	.13	384	10270	10283	10463	8659	−206	2009	2
1499	733E	091026−232928	1.90	.26	388	5105	4818	5412	6018	109	−715	4
1500	851	091049−085322	6.50	.69	496	1834	1589	2153	2476	38	−362	3
1502	850	091109+194004	1.80	.12	441	8982	8861	9264	8916	−102	450	1
1503	734E	091119−240231	.90	.10	219	7422	7133	7729	5732	112	1884	5
1504	853	091154−200700	4.76	.31	319	2178	1899	2490	2276	94	120	3
1505	852	091216+513701	1.03	.12	281	8399	8450	8560	7505	−228	1283	2
1506	854	091232+175842	.64	.09	201	6252	6122	6540	7062	−93	−429	1
1510	859	091408+294432	.66	.08	218	6324	6255	6578	8423	−145	−1699	1
1513	861	091502+400213	1.99	.24	521	8229	8216	8444	7946	−187	685	2
1516	866	091559−185533	1.15	.15	236	5167	4890	5484	5459	91	−67	5
1522	867	091803+541132	1.12	.10	302	7705	7769	7856	7663	−233	427	2
1523	870	091819+174512	1.81	.20	194	3013	2881	3305	3134	−88	259	1
1525	872	091904+310614	.85	.10	298	7441	7379	7693	9088	−148	−1246	1
1528	873	091957+371128	2.90	.39	369	2266	2237	2496	3925	−173	−1256	1
1529	874	092002+330608	1.23	.13	369	6389	6338	6635	8491	−156	−1699	1
1530	876	092013+084735	2.02	.11	366	8475	8300	8787	6864	−42	1966	3
1532	878	092050−034659	.85	.10	158	3489	3261	3815	4475	20	−681	5
1536	879	092124+193401	1.43	.16	500	8600	8477	8890	10119	−94	−1134	3
1537	877	092145+641528	4.31	.53	312	1578	1695	1678	2222	−258	−286	3
1538	881	092145+393129	1.66	.19	257	2447	2431	2668	4414	−181	−1564	2
1542	883	092307+224131	1.04	.11	511	16732	16625	17015	12628	−107	4494	1
1546	745E	092340−231446	.89	.10	180	2480	2192	2797	5541	117	−2861	5
1547	886	092344+384524	.67	.08	427	13855	13835	14081	14834	−177	−576	2
1548	885	092348+421102	1.32	.15	317	4152	4150	4363	6126	−190	−1572	2
1550	887	092457+241634	.63	.09	231	8134	8035	8413	10669	−113	−2142	1
1553	888	092514+120922	1.23	.11	273	8655	8496	8965	6976	−55	2044	1
1555	890	092543+345122	1.23	.10	173	4871	4829	5114	4095	−160	1178	1
1560	892	092810+645604	1.74	.11	286	5233	5353	5331	5559	−257	29	2
1561	895	092849+513335	1.55	.15	76	507	557	676	994	−220	−97	5
1566	902	093140−160231	1.84	.21	234	5979	5709	6310	3600	89	2620	3
1567	900	093145+034343	1.55	.11	180	3219	3021	3547	3743	−8	−188	3
1568	904	093153−164045	1.49	.12	249	2180	1908	2510	4704	92	−2286	5
1570	901	093200+121542	.76	.09	275	5862	5703	6176	9181	−51	−2953	1
1580	909	093509+592242	.87	.10	387	13910	14001	14041	11560	−241	2722	2
1582	912	093550+225527	.90	.09	180	7658	7552	7948	5760	−100	2287	1
1587	913	093631+153256	1.10	.10	166	4332	4189	4642	4372	−64	334	5
1589	914	093705+135338	1.59	.19	367	8578	8426	8892	7627	−55	1320	1
1592	917	093926+382548	1.12	.13	223	5875	5852	6110	5584	−166	692	2
1593	918	093933+113036	1.21	.17	296	5890	5727	6211	6755	−41	−502	5
1595	919	093945+210000	1.12	.10	225	4733	4617	5031	5782	−88	−662	1
1598	921	094019+334838	.77	.10	379	11732	11684	11987	12638	−146	−504	1
1601	923	094053+314439	.96	.11	254	6777	6718	7040	7411	−136	−233	1
1603	927	094132+112448	2.67	.34	471	6238	6075	6560	5460	−39	1140	3
1606	926	094202+480531	.93	.10	206	7736	7766	7928	6387	−202	1743	2
1608	930	094331+340232	1.32	.16	351	8506	8459	8762	8711	−145	196	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1612	929	094402+682212	.74	.09	207	4465	4603	4548	7095	−260	−2286	2
1613	768E	094405−251211	.69	.09	103	2504	2211	2830	3157	139	−466	5
1616	769E	094433−235703	.90	.09	169	5778	5488	6106	4574	134	1397	5
1617	771E	094440−211545	.95	.09	197	4547	4263	4880	5629	122	−872	5
1619	934	094509+303828	.60	.08	213	10373	10308	10642	9177	−129	1594	1
1620	937	094522−134453	1.79	.10	158	2352	2089	2693	3082	88	−477	5
1624	935	094625+685726	2.13	.22	289	4441	4581	4521	4091	−260	691	3
1625	940	094650−063618	1.01	.09	148	4387	4148	4731	4353	54	322	5
1626	931	094650+794839	2.49	.22	179	1551	1742	1567	2128	−279	−282	3
1627	939	094653+230124	1.52	.13	364	7290	7184	7586	7625	−92	53	1
1628	942	094721+254444	1.32	.17	316	6929	6838	7217	6696	−105	625	3
1629	944	094733−020157	2.80	.34	144	1425	1203	1768	1475	32	260	3
1630	943	094735+235423	1.01	.09	240	7143	7042	7437	6836	−96	696	1
1633	945	094750+155107	1.70	.19	497	5850	5708	6166	8455	−57	−2231	1
1639	950	094856+330236	.99	.11	211	6618	6566	6880	6409	−137	608	1
1640	952	094926+143929	1.75	.15	304	5922	5774	6242	5768	−50	524	1
1645	957	095126−014457	1.06	.11	145	2865	2644	3210	3897	33	−721	5
1647	958	095243+425241	.81	.10	204	4685	4687	4907	6897	−176	−1813	2
1650	964	095312−062854	1.47	.10	141	5675	5436	6022	2960	58	3004	5
1651	961	095312+450851	.91	.09	185	8344	8358	8555	5711	−185	3029	2
1652	962	095321+425041	1.46	.16	259	4873	4875	5095	5227	−176	43	2
1654	965	095340+013446	5.71	.63	312	1292	1085	1635	1801	18	−184	3
1657	967	095350+085242	1.12	.12	273	6410	6235	6744	7177	−18	−415	1
1660	969	095439+294259	1.21	.11	240	6461	6391	6738	6530	−118	327	1
1670	976	095636+203846	3.10	.21	580	7569	7451	7877	6626	−74	1325	1
1672	979	095716+043141	1.77	.15	207	2156	1962	2498	3641	6	−1149	1
1674	980	095743+360409	.95	.09	193	5700	5665	5954	5789	−145	310	1
1678	783E	095904−301500	3.26	.44	258	2813	2511	3136	2120	171	844	4
1682	786E	095955−293702	6.06	.70	466	2477	2176	2802	1873	169	759	4
1683	985	100006+341017	.78	.11	194	5112	5066	5375	6577	−135	−1066	1
1685	986	100031+350929	1.01	.10	167	5877	5837	6136	5139	−139	1136	1
1687	987	100048+352844	1.19	.10	372	11418	11380	11676	9378	−141	2439	1
1690	788E	100132−202259	2.12	.22	228	3699	3418	4041	3623	130	288	4
1691	992	100135+213626	1.23	.12	361	6208	6096	6516	8189	−75	−1597	1
1692	990	100137+393738	2.06	.20	334	6980	6964	7220	5079	−158	2299	3
1693	984	100143+765731	.65	.08	158	7554	7733	7589	5928	−272	1933	2
1695	993	100148+362954	1.68	.20	137	1433	1400	1687	2333	−144	−502	5
1696	988	100154+635334	.93	.09	103	1723	1838	1836	2519	−243	−439	2
1700	998	100236−060049	4.31	.30	122	662	426	1014	824	63	127	3
1703	1000	100329+130612	1.12	.11	310	8304	8150	8634	8235	−32	431	1
1710	1005	100429+144610	1.40	.11	394	6972	6826	7299	8648	−39	−1309	1
1711	1002	100439+602759	.88	.10	95	2243	2341	2376	2357	−233	252	2
1714	1008	100459+213216	1.25	.16	177	3963	3851	4272	4175	−73	170	1
1716	1006	100507+443109	1.44	.11	379	7924	7936	8142	8996	−176	−677	2
1719	999	100521+774645	.93	.11	219	1956	2138	1986	6658	−273	−4397	5
1723	1016	100615−160128	1.70	.20	322	4997	4728	5347	5150	114	82	4
1727	1017	100809+530502	5.04	.67	253	1111	1170	1286	1383	−207	110	3
1731	798E	100825−305943	1.11	.13	137	2199	1897	2524	2945	180	−602	5
1735	1021	101001+715221	.88	.10	277	6342	6497	6409	8266	−261	−1595	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1738	1026	101045+331654	.92	.10	291	8287	8238	8557	8612	−125	70	1
1739	800E	101050−302526	1.72	.15	165	2721	2420	3048	2624	179	244	4
1743	1031	101153+162624	2.97	.32	533	8250	8113	8576	6489	−42	2130	1
1744	1028	101212+620548	1.12	.11	82	3168	3275	3294	1627	−235	1901	2
1745	802E	101219−471742	3.17	.27	331	2525	2210	2798	2562	238	-2	3
1747	803E	101247−275028	2.89	.28	336	2612	2316	2946	3345	170	−570	4
1748	1035	101249+070613	1.90	.22	139	1545	1364	1891	2097	4	−211	3
1754	1037	101332+201030	1.77	.22	536	8351	8233	8668	8882	−60	−153	3
1756	1038	101342+180731	1.65	.20	168	3662	3533	3985	2964	−50	1070	1
1758	1040	101421+220730	1.83	.22	175	1640	1532	1951	2513	−69	−492	1
1761	1043	101542+071939	2.91	.17	284	3755	3575	4101	3506	5	589	1
1765	1047	101728+321102	.78	.11	289	8655	8600	8932	9530	−115	−482	1
1766	1045	101739+642330	1.01	.10	207	4475	4594	4588	5681	−240	−852	2
1767	1048	101750+192747	.68	.09	293	10832	10711	11152	11074	−53	132	1
1769	1050	101907+343922	.73	.10	238	4512	4471	4780	8433	−126	−3527	1
1774	1051	102046+731704	1.10	.13	138	2724	2886	2783	3155	−262	−109	2
1775	1054	102056+304544	.77	.10	235	7196	7134	7480	9712	−106	−2125	1
1777	1055	102109+353929	1.10	.12	395	11302	11267	11566	9886	−129	1809	1
1782	1058	102322+095616	1.27	.11	385	9722	9555	10067	8796	−1	1272	1
1787	1063	102437+115430	1.10	.11	142	2431	2274	2772	3948	−10	−1164	1
1789	1065	102526−152100	1.75	.12	230	2028	1764	2386	4329	124	−2068	5
1790	1064	102541+114422	2.02	.22	236	2358	2200	2700	3448	−9	−739	1
1791	1068	102628−211858	1.16	.09	294	5507	5227	5858	7403	152	−1697	5
1792	1067	102628+201341	1.81	.25	280	1170	1054	1491	4420	−51	−2877	1
1795	1071	102656−160445	1.20	.12	276	4272	4006	4629	6652	128	−2151	5
1796	1069	102701+283822	3.64	.34	163	1325	1253	1619	1599	−92	112	3
1798	1073	102809+090046	.69	.07	303	10054	9884	10402	10883	6	−487	1
1800	1075	102838+033338	1.66	.18	102	1153	959	1509	1520	34	−45	3
1804	1078	102915+060741	2.16	.22	251	3563	3380	3916	3484	21	409	1
1807	1082	103019+224348	1.32	.10	578	14817	14714	15132	14194	−61	999	1
1809	1081	103036+600029	1.14	.12	383	9376	9473	9517	9480	−222	259	2
1814	1087	103113+042823	3.64	.47	164	1175	985	1531	1316	31	183	3
1816	1089	103128+050126	.83	.11	324	11518	11330	11873	10291	29	1552	1
1822	817E	103309−243235	1.45	.17	263	3776	3490	4123	5293	170	−1340	4
1830	1100	103442+111151	2.86	.34	340	1394	1235	1740	3355	–	−1615	1
1841	1106	103741+460232	1.01	.10	294	5338	5362	5557	8224	−166	−2501	2
1842	826E	103752−304008	1.75	.24	260	3412	3115	3746	3992	197	−443	4
1851	1111	103847+290651	.88	.12	271	6314	6246	6609	7285	−87	−589	1
1857	1115	103957+153556	1.23	.11	347	6661	6524	6998	8373	−19	−1355	1
1863	1117	104126+694222	1.01	.11	163	2973	3120	3057	4260	−248	−955	2
1864	1121	104129+504846	1.27	.10	278	7499	7549	7693	6843	−184	1034	2
1867	1126	104248−204151	1.14	.13	158	3553	3278	3909	3829	160	-80	5
1869	834E	104338−285158	1.53	.21	287	3461	3168	3801	5205	194	−1598	4
1872	1128	104504+385902	1.88	.22	352	7772	7759	8026	5973	−131	2184	2
1874	1130	104516−085101	1.61	.10	289	4989	4750	5355	5982	107	−735	5
1875	835E	104521−223943	1.28	.17	212	3737	3457	4090	4400	170	−480	5
1876	1131	104612+014846	5.04	.67	220	986	788	1348	1318	55	-25	3
1880	1132	104657+595450	1.81	.13	288	5614	5713	5757	5090	−216	883	2
1884	1136	104846+190804	.90	.10	53	1856	1739	2185	874	−31	1342	5

Table 2: *A list of velocity-distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
1888	1139	105100+361135	1.32	.13	286	7133	7106	7401	6407	−114	1108	1
1890	1141	105119+140124	1.96	.24	243	3075	2934	3418	3655	−3	−233	1
1893	1143	105124−195324	4.26	.48	220	3108	2837	3466	1538	162	1766	3
1894	845E	105133−352834	1.58	.16	318	4755	4454	5078	5481	222	−625	4
1895	1145	105200+453159	.88	.11	455	13478	13501	13701	12880	−156	978	2
1896	1147	105233+100108	1.85	.22	330	6388	6228	6740	6189	18	532	1
1897	1146	105236+394814	.68	.08	107	8976	8969	9228	3581	−130	5776	2
1898	1148	105300+101236	1.53	.17	430	9398	9239	9749	8355	17	1376	1
1901	1150	105338+265436	1.48	.16	391	6342	6266	6647	8151	−67	−1436	1
1903	1152	105411+443728	1.69	.17	304	7371	7390	7599	5856	−151	1895	2
1904	1154	105414+210758	1.33	.15	575	9764	9659	10088	13404	−37	−3277	3
1906	1155	105428+172038	2.80	.36	204	1101	977	1436	2029	−18	−574	1
1913	849E	105614−315617	1.90	.24	318	3331	3036	3665	4121	213	−669	4
1928	1174	105845+250828	1.51	.17	383	6052	5968	6364	6706	−55	−287	3
1932	1177	105938−153137	2.17	.22	255	3041	2784	3405	3830	148	−573	3
1933	1179	110024+164132	1.57	.18	160	948	822	1285	2398	−10	−1101	1
1937	852E	110101−434042	1.72	.20	113	1301	994	1596	1533	253	−189	4
1940	1184	110157+470540	1.88	.15	342	6593	6627	6809	6161	−159	807	2
1945	1187	110247+175922	4.76	.54	292	1130	1011	1464	1793	−16	−312	1
1959	861E	110542−312738	1.06	.07	150	3718	3426	4054	4052	217	−215	5
1961	1195	110624−052054	1.44	.18	272	7554	7334	7923	5413	105	2404	5
1962	863E	110626−364149	1.43	.17	139	2749	2450	3069	2330	235	504	5
1963	1194	110629+672925	.93	.11	240	6215	6354	6314	7209	−235	−659	2
1966	1198	110830+104913	.72	.10	270	11071	10920	11422	9342	25	2055	1
1978	1204	111142+452103	1.05	.11	238	7036	7063	7261	6447	−146	961	2
1979	1205	111215+083745	1.18	.10	185	3309	3149	3664	5240	38	−1614	1
1981	1207	111235+315803	.84	.11	361	11162	11118	11449	11023	−81	507	1
1983	873E	111238−232743	.99	.13	59	1177	903	1531	856	190	484	5
1984	1209	111250+231523	1.51	.17	272	6337	6248	6656	5176	−37	1517	1
1988	1210	111327+072553	.73	.09	228	7911	7746	8268	7386	45	836	1
1990	1211	111357+651041	1.46	.18	284	3416	3545	3529	5667	−225	−1912	2
1991	1213	111403+283737	.76	.10	321	8700	8639	9000	10996	−63	−1932	1
2009	1226	111850+571500	.77	.09	437	13883	13973	14043	13905	−194	332	2
2010	1227	111916+613125	1.19	.08	187	4715	4827	4850	5055	−211	6	5
2015	1231	112031+061450	1.01	.11	223	6191	6023	6550	6061	56	432	1
2020	1234	112157+345656	1.46	.10	155	2035	2010	2309	3307	−91	−906	5
2026	1239	112405+243655	1.74	.15	430	7677	7599	7991	7888	−37	140	1
2035	1247	112613+075030	1.52	.10	335	6308	6150	6664	7021	52	−409	1
2037	1250	112719+383952	1.88	.17	266	6343	6339	6600	4643	−107	2064	2
2040	1248	112725+702844	.92	.11	344	9897	10052	9977	9627	−240	590	2
2042	1253	112831+090617	2.11	.21	404	6313	6161	6667	6087	47	532	1
2044	1254	112902+171355	2.35	.22	317	3895	3782	4231	4589	4	−362	1
2046	1255	112922+615836	1.23	.12	466	14607	14723	14739	11000	−209	3948	2
2049	1259	113007+530509	.91	.09	354	9924	9996	10107	10835	−173	−554	2
2051	892E	113019−410401	1.68	.16	165	3601	3304	3906	2908	260	736	4
2052	1257	113020+795748	.78	.09	272	12740	12936	12759	9489	−266	3537	2
2057	1265	113122+230656	2.37	.12	177	2915	2832	3233	2644	−25	614	1
2058	3177	113144+771529	1.18	.11	329	10191	10376	10227	11035	−259	−548	1
2060	894E	113207−412542	1.63	.20	320	4866	4570	5169	5312	262	−405	4

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2061	1267	113209+011227	1.32	.13	402	5801	5617	6165	8623	89	−2547	1
2062	1268	113245+525628	1.23	.12	428	8242	8314	8426	10439	−171	−1841	2
2065	1270	113326+095901	.73	.10	207	6310	6164	6662	7231	45	−614	1
2067	1272	113338−154619	1.46	.12	269	3657	3412	4020	5516	171	−1667	5
2068	1271	113343+172346	1.20	.16	268	5761	5651	6096	6315	6	−225	3
2070	1274	113407+364059	1.51	.16	269	6438	6426	6704	5417	−93	1380	1
2073	1276	113455+160658	1.75	.21	252	5440	5324	5778	4968	14	795	1
2077	1279	113509+155732	1.79	.11	260	5121	5004	5459	5166	14	278	1
2079	1282	113533+245747	1.10	.10	317	6943	6871	7255	7802	−32	−514	5
2083	1285	113738+163318	3.19	.39	147	1040	927	1376	1318	13	45	1
2086	1284	113807+792303	.80	.10	427	11147	11341	11170	12963	−264	−1528	2
2091	1289	114201+524321	.80	.09	352	14888	14961	15072	11074	−167	4165	2
2092	1290	114216+301348	1.74	.24	357	9685	9643	9976	6729	−56	3304	3
2093	1291	114227+513551	3.70	.45	166	979	1047	1169	1310	−161	20	3
2097	1295	114302+404939	1.49	.18	292	5182	5195	5427	5839	−110	−301	2
2100	1298	114321+162906	3.07	.34	383	6546	6435	6881	4609	17	2255	3
2101	1299	114322+104806	.90	.12	201	6101	5964	6449	6021	47	381	1
2106	1302	114500+072953	1.12	.11	195	5901	5749	6255	5068	65	1121	1
2109	1303	114608+125247	.93	.11	139	3290	3164	3633	3620	37	-25	1
2110	1304	114612+334402	1.01	.11	454	9347	9324	9623	12059	−72	−2363	1
2111	1305	114616−031042	1.46	.12	244	5246	5050	5610	5392	120	97	5
2116	1310	114836+434316	1.87	.20	146	719	749	949	2217	−122	−1145	2
2120	1312	114923+264427	2.43	.31	202	1852	1795	2155	2479	−34	−289	3
2126	1315	115007+515119	2.49	.24	130	1256	1327	1444	1443	−160	161	3
2127	1317	115012+065955	1.76	.15	289	5996	5845	6349	5216	71	1062	1
2128	1316	115017+662851	.67	.07	324	12014	12155	12117	12027	−221	311	2
2129	1318	115018+351515	1.81	.16	299	6363	6350	6632	6086	−78	624	1
2130	1319	115057+211149	1.34	.15	380	7909	7825	8230	8425	−3	−191	1
2132	1321	115152+183246	1.03	.10	327	5975	5878	6303	9275	11	−2982	3
2133	915E	115302−363820	2.44	.31	343	2940	2657	3256	3431	258	−433	4
2134	1322	115315+113803	1.37	.15	177	2739	2610	3083	3611	48	−576	1
2146	1331	115519+672409	1.23	.10	232	6644	6790	6741	5820	−223	1143	2
2147	1332	115543+245512	.94	.10	356	10153	10090	10461	10494	−21	-12	1
2148	1333	115548+295628	1.36	.13	332	6785	6747	7074	7437	−47	−314	3
2153	1339	115731−011511	1.85	.24	392	5536	5354	5896	6828	117	−1049	3
2162	919E	120107−243401	2.42	.31	174	1808	1552	2152	2186	222	−256	3
2164	1347	120109+140614	2.91	.34	185	1507	1394	1844	2134	40	−330	3
2165	1348	120116+311641	1.12	.10	185	2668	2639	2951	5084	−52	−2080	5
2169	1352	120226−041822	1.48	.19	283	5720	5528	6080	5591	135	353	4
2171	1354	120321+292511	1.79	.22	234	3573	3536	3862	3908	−41	−4	1
2174	1356	120409+201104	1.31	.12	448	7560	7477	7880	10346	9	−2474	1
2179	1359	120505−035235	1.01	.13	221	5712	5523	6071	6088	135	−152	5
2180	1360	120511+401451	.88	.09	280	6231	6249	6474	8604	−97	−2032	2
2189	1367	120702+401200	1.06	.12	443	11229	11248	11472	11439	−96	128	2
2194	927E	120815−320036	1.90	.24	170	2223	1954	2548	2244	252	52	4
2197	1372	120842+364811	5.21	.67	123	1071	1073	1329	640	−78	766	3
2203	933E	120924−284804	1.72	.20	146	2153	1891	2486	2335	242	−91	4
2204	1374	120928+661034	.90	.09	300	9484	9628	9586	9214	−215	587	2
2206	1376	120952+774435	1.39	.12	384	8400	8591	8431	8433	−255	254	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2210	1379	121036+184944	3.25	.28	204	2452	2366	2773	2046	19	707	1
2212	1380	121104+502907	7.95	1.06	391	774	845	965	1534	−146	−423	3
2214	936E	121143−383256	1.72	.23	292	3133	2855	3438	4739	272	−1573	4
2216	1382	121220+291228	5.04	.69	109	1104	1070	1391	535	−35	891	3
2218	1383	121240+344124	1.39	.10	213	6386	6380	6651	5003	−65	1713	1
2219	1385	121257+505107	.99	.12	343	9127	9201	9315	9452	−147	10	2
2220	1384	121259+071757	.73	.10	175	2197	2059	2542	5741	82	−3281	5
2222	1386	121317+434152	6.27	.67	221	932	971	1157	1205	−111	63	3
2223	940E	121321−421428	.93	.10	252	6515	6233	6807	7065	282	−540	4
2224	1388	121357+743007	1.53	.17	189	1744	1923	1795	3707	−245	−1666	2
2227	1390	121438+054824	4.26	.60	255	2065	1922	2412	1910	91	410	3
2232	1392	121533+515447	1.20	.13	252	4024	4104	4206	6313	−151	−1955	2
2233	1393	121545+104200	2.69	.25	196	1979	1858	2317	2369	66	−118	3
2234	944E	121547−424435	1.37	.19	308	6704	6423	6993	5956	284	752	4
2235	1394	121548+520734	1.06	.11	154	3487	3568	3668	4042	−152	−221	5
2239	1396	121622+131826	3.25	.45	214	230	121	563	1722	52	−1212	1
2241	1398	121642+460444	2.24	.26	123	712	764	924	1481	−122	−434	3
2242	1399	121709+122713	2.21	.30	202	2132	2020	2466	2638	57	−229	3
2243	1401	121717+492946	.94	.09	422	10660	10729	10854	12266	−139	−1272	2
2245	1402	121730+374831	19.38	2.13	194	243	254	493	324	−79	248	3
2246	1403	121733+223225	5.54	.36	200	409	345	717	1222	3	−508	3
2247	1404	121738+164337	2.35	.26	350	6692	6600	7016	5371	34	1610	1
2248	1405	121828+124146	1.18	.15	364	7595	7485	7928	9793	57	−1922	1
2249	1406	121838+064230	1.01	.11	135	1995	1858	2339	3454	88	−1204	1
2250	1407	121854+122812	1.57	.12	259	6399	6288	6732	6535	58	139	3
2254	1411	121918+431412	1.02	.11	341	7134	7173	7359	9659	−106	−2193	2
2255	1412	121925+001246	.95	.12	61	862	698	1213	989	122	101	5
2257	948E	122009−260401	2.42	.27	253	3960	3710	4295	2992	238	1064	3
2259	1413	122016+041207	2.07	.20	250	4969	4822	5315	3709	102	1504	1
2260	1415	122027+012805	1.99	.15	171	1598	1440	1947	2683	116	−852	1
2262	1418	122102+034320	4.93	.47	351	2541	2392	2888	2674	105	107	1
2266	1419	122251−161726	1.70	.10	385	6533	6311	6881	7331	201	−651	5
2269	1422	122313+285337	2.35	.32	150	569	539	853	1823	−28	−941	1
2270	1423	122316+112205	5.04	.67	239	1569	1455	1902	1487	66	348	3
2271	952E	122320−372256	1.37	.17	219	2760	2489	3065	3536	274	−746	4
2275	1426	122407+452605	.99	.11	396	7155	7207	7368	11116	−116	−3631	2
2277	1427	122414+083215	3.14	.39	202	1133	1007	1471	1909	82	−520	1
2279	1428	122507+042826	1.03	.12	381	7573	7430	7917	10467	103	−2654	1
2282	1431	122534+452554	1.12	.13	269	7229	7282	7441	6681	−115	876	2
2284	1432	122543+071304	4.03	.41	269	996	865	1336	2130	90	−884	3
2285	1433	122557+032547	3.02	.32	305	1426	1279	1771	3250	109	−1589	1
2286	1434	122602+254738	1.06	.15	197	6932	6888	7226	5147	−10	2089	5
2289	1436	122703−013058	1.18	.11	312	8820	8653	9168	7575	135	1458	5
2290	1437	122722+105159	1.99	.19	147	924	810	1256	2687	71	−1502	1
2291	958E	122751−255043	1.01	.10	240	7476	7230	7808	6981	240	585	4
2295	1440	122852+041735	2.24	.11	297	4240	4099	4582	4961	106	−486	1
2296	1441	122859+285143	1.12	.15	441	8019	7992	8301	10399	−26	−2072	3
2298	1443	122908+575454	1.34	.16	238	4683	4796	4829	5331	−175	−326	2
2310	1451	123202+462049	1.01	.11	310	7390	7450	7595	8582	−118	−868	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2312	1454	123229+393525	1.79	.21	446	6242	6269	6479	7542	−82	−980	2
2313	1453	123236+023941	2.52	.25	134	1733	1587	2075	1471	117	486	3
2315	1455	123245+000653	11.54	1.46	294	1121	965	1465	825	130	510	3
2317	968E	123321−284334	1.34	.10	169	3562	3313	3885	3879	253	−247	4
2322	1460	123416+272707	1.83	.13	338	6854	6823	7138	6474	−16	679	1
2323	1461	123436+422617	1.46	.15	319	5915	5957	6138	6223	−97	12	2
2324	1462	123443+465729	1.05	.12	333	7351	7415	7552	9068	−120	−1395	2
2327	1464	123459+360335	1.18	.09	275	9967	9978	10218	7460	−62	2820	5
2329	1466	123541+261712	1.06	.11	238	6415	6379	6702	6197	−8	514	3
2332	1469	123609+484916	.87	.10	306	8624	8697	8816	9083	−129	−138	2
2336	1472	123624+400018	3.54	.47	180	526	557	759	1514	−83	−671	3
2339	1474	123648+273256	1.64	.16	367	7340	7311	7622	6432	−15	1205	1
2340	1475	123655+013652	1.01	.12	90	591	443	932	2056	124	−1249	5
2342	975E	123725−401040	1.45	.13	104	2654	2386	2944	1839	287	817	4
2344	1479	123821+075328	2.41	.26	151	1788	1668	2120	1835	92	191	1
2345	1480	123836+012408	1.90	.21	285	5199	5052	5539	4746	126	666	1
2346	1481	123837+102834	4.03	.39	486	7280	7172	7607	5204	79	2324	1
2352	1486	124050+734308	1.27	.16	167	1850	2031	1902	3559	−238	−1419	5
2357	1488	124215+393354	1.01	.10	292	5570	5602	5803	8266	−78	−2384	2
2361	1492	124307+455120	1.04	.09	307	9493	9555	9696	8458	−111	1350	2
2367	981E	124409−363041	1.86	.20	215	3305	3046	3603	2975	280	346	4
2368	1496	124419−053211	2.02	.12	185	2672	2501	3012	3050	163	−200	5
2373	986E	124542−261437	2.89	.35	547	5260	5024	5582	4967	250	365	4
2374	1497	124700+323907	1.46	.18	85	519	520	778	1300	−39	−483	5
2375	1498	124709+090059	1.12	.16	496	14118	14009	14443	14355	90	-3	1
2376	1499	124712+264250	1.48	.19	373	6754	6727	7034	7240	−6	−200	1
2378	1500	124753−011109	1.40	.13	287	7007	6855	7343	6099	143	1100	4
2380	1502	124900−142356	2.40	.24	388	3693	3493	4028	5249	205	−1426	3
2387	1507	125039+012752	2.24	.21	180	1272	1133	1604	2397	131	−924	1
2391	1510	125109+284717	2.35	.26	439	4753	4738	5023	5258	−16	−218	1
2399	1513	125226−094513	2.55	.22	225	2258	2077	2593	2796	186	−389	3
2408	1002E	125324−420831	1.45	.20	215	2348	2085	2624	3959	297	−1632	4
2411	1518	125402+293614	2.22	.30	458	6316	6307	6582	6363	−19	238	3
2415	1519	125424−101243	1.12	.11	181	3821	3639	4155	4401	189	−435	5
2418	1006E	125538−223105	1.16	.16	424	8781	8561	9103	10179	240	−1317	5
2419	1523	125539−001551	1.57	.22	85	1116	973	1446	955	142	348	3
2420	1524	125547+592152	.97	.12	471	12876	13004	13005	12718	−175	462	2
2422	1008E	125633−441453	1.27	.17	390	9894	9630	10161	7832	302	2027	4
2424	1010E	125711−462234	2.58	.35	332	3389	3123	3648	3463	306	−121	4
2425	1525	125712−014225	2.46	.34	276	2839	2691	3169	3449	150	−430	3
2428	1527	125726+412823	1.23	.11	350	8208	8257	8425	8529	−83	-20	2
2429	1528	125746−093802	3.76	.32	239	1487	1310	1818	2093	188	−462	3
2430	1529	125826−090216	1.40	.11	211	3873	3698	4204	4673	186	−655	5
2431	1530	125836+014221	1.01	.11	36	2801	2668	3128	113	134	2880	5
2434	1533	125931+424532	1.12	.12	286	7200	7256	7410	7657	−90	−156	2
2441	1537	130149−082010	3.14	.36	367	3812	3642	4141	4159	184	−202	3
2443	1540	130207+584159	3.92	.32	152	669	797	800	1292	−170	−321	3
2444	1539	130226−174048	2.91	.39	238	4527	4326	4850	2445	225	2180	3
2447	1543	130255+554139	.93	.12	96	1366	1481	1512	2186	−156	−518	5

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2449	1542	130317−172523	8.01	1.06	107	744	544	1067	333	224	510	3
2453	1545	130352+105819	1.46	.12	161	2942	2853	3252	3664	87	−500	3
2466	1559	130615+533105	.82	.10	491	19386	19493	19541	14250	−144	5436	2
2467	1558	130621+293928	1.32	.13	239	7040	7039	7298	5476	−15	1837	1
2468	1562	130724+325146	1.70	.12	280	5299	5313	5545	5234	−33	344	1
2472	1563	130813−161421	.95	.12	139	2790	2597	3111	3782	221	−892	5
2473	1565	130814+435529	1.06	.12	443	10936	11002	11136	11099	−93	130	2
2474	1564	130815−210008	1.70	.11	113	1655	1448	1971	1596	240	134	3
2476	1566	130821+392740	1.57	.19	162	3282	3328	3501	3079	−69	491	2
2477	1568	130831+244203	2.02	.22	532	7121	7098	7394	7994	13	−614	1
2478	1022E	130848−434034	1.59	.16	167	3184	2927	3447	2626	305	515	4
2489	1573	131049+495334	1.23	.13	411	7578	7672	7749	8851	−124	−977	2
2492	1575	131151+405341	1.10	.13	174	3023	3077	3234	4552	−76	−1242	2
2495	1578	131211+440217	7.28	.78	169	407	476	604	679	−93	18	3
2501	1579	131305−195838	3.53	.50	299	2735	2534	3048	2476	238	333	3
2504	1581	131330−193249	2.51	.34	330	2991	2792	3304	3905	236	−837	4
2507	1583	131506+030243	1.59	.16	307	6517	6402	6830	6245	134	450	1
2515	1587	131642+260753	.96	.09	88	3964	3953	4226	2378	8	1840	5
2517	1588	131707−161518	2.46	.25	298	2628	2442	2942	3788	225	−1071	3
2520	1040E	131743−342114	1.74	.22	464	8489	8254	8773	7394	286	1091	4
2524	1591	131834−211757	1.88	.17	162	1953	1752	2260	2390	245	−374	4
2526	1592	131855−054730	1.27	.11	206	5690	5542	6005	4799	179	1027	5
2528	1594	131921−145038	4.14	.58	378	2744	2564	3057	2854	220	-17	3
2529	1597	131925+434927	.96	.10	388	8384	8455	8578	11256	−90	−2587	2
2531	1049E	131928−350607	1.97	.17	128	1729	1493	2010	1629	289	92	4
2541	1052E	132138−773158	2.89	.35	248	2566	2312	2676	2251	313	111	3
2548	1607	132314+442600	.84	.08	309	8267	8343	8456	10194	−92	−1646	2
2549	1058E	132331−300654	1.83	.16	223	4257	4035	4546	3685	276	584	4
2550	1059E	132335−265158	1.07	.08	273	12881	12667	13176	7396	266	5514	4
2551	1608	132343+303350	1.12	.11	321	7016	7030	7259	8628	−14	−1354	3
2552	1060E	132345−231048	1.22	.16	191	4767	4564	5068	4477	253	336	5
2554	1613	132413+703154	1.19	.12	225	3084	3263	3144	5779	−220	−2415	2
2555	1610	132424+170535	1.21	.11	299	7242	7195	7523	7562	61	−100	1
2556	1612	132426+435722	1.00	.10	496	12879	12954	13069	13185	−89	−26	2
2562	1616	132606+215622	1.06	.12	317	8448	8424	8715	8550	35	129	5
2568	1620	132731+205252	1.34	.18	383	5965	5938	6234	7016	41	−823	1
2569	1621	132735+151123	1.37	.11	364	7118	7065	7400	8346	73	−1019	1
2572	1065E	132755−255125	2.16	.22	648	10655	10447	10949	8973	264	1711	4
2574	1623	132820−114703	1.85	.24	637	3935	3772	4242	10321	210	−6289	3
2579	1626	132948−175757	9.91	1.23	502	1517	1334	1819	1704	236	−121	4
2581	1627	133038+490813	1.11	.10	255	4928	5028	5092	7131	−115	−1923	2
2590	1634	133314+455017	1.41	.11	108	1351	1439	1528	2147	−97	−522	2
2593	1633	133402−110634	.85	.09	160	4177	4021	4479	5085	209	−814	5
2594	1638	133403+475450	3.58	.45	119	364	461	531	819	−108	−179	3
2596	1639	133403+524208	1.70	.21	495	8879	8996	9024	8435	−134	723	2
2598	1637	133408+395101	.69	.08	371	14210	14272	14411	13023	−64	1451	2
2602	1070E	133433−830746	1.56	.20	213	4477	4232	4557	3698	304	554	4
2606	1641	133536+332846	1.40	.17	373	7464	7499	7687	7288	−27	427	1
2610	1642	133602+081105	1.21	.13	112	1243	1166	1531	2565	114	−1148	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2611	1643	133606+370517	1.76	.12	399	7579	7631	7789	7284	−48	552	1
2613	1645	133702+314558	1.65	.19	188	3004	3033	3232	3289	−17	-39	1
2620	1651	133929+460057	1.48	.18	153	2441	2533	2613	3002	−97	−292	2
2624	1091E	134013−510832	1.90	.24	436	3631	3381	3850	5392	323	−1866	3
2630	1657	134116+334623	1.68	.21	162	2034	2074	2252	2318	−27	-38	1
2633	1659	134226+035121	1.01	.13	337	7026	6936	7313	7238	139	-64	1
2635	1660	134328+220546	1.08	.10	257	8134	8124	8386	7489	39	856	5
2636	1095E	134338−325505	1.42	.17	219	4093	3878	4361	3727	290	343	4
2637	1661	134341+545708	.87	.08	498	19749	19879	19879	14598	−143	5424	2
2648	1099E	134633−305244	2.06	.24	219	5201	4993	5470	3115	285	2070	4
2652	1669	134825−185220	1.38	.11	121	1888	1717	2172	2631	245	−704	5
2657	1674	135002+155411	1.08	.11	272	6755	6723	7015	7211	76	−271	1
2660	1061E	135038−201232	.65	.08	380	13284	13110	13565	14018	251	−704	4
2662	1680	135154+682228	.84	.09	154	3865	4045	3927	5230	−207	−1095	5
2668	1679	135309+045738	1.12	.09	210	5073	4996	5348	5594	137	−382	1
2677	1685	135640+201016	1.06	.12	305	8251	8242	8495	7118	54	1322	1
2679	1115E	135719−281138	1.25	.13	268	5508	5315	5772	5894	280	−401	4
2680	1687	135740+254630	1.66	.22	446	8593	8610	8822	7675	22	1124	1
2682	1116E	135754−291857	6.11	.79	461	2663	2467	2925	1809	283	832	3
2686	1117E	135822−413308	.82	.09	413	10969	10744	11204	11789	313	−898	4
2687	1119E	135828−314630	1.31	.09	218	4289	4087	4546	4930	290	−674	4
2689	1691	135845+022724	1.38	.16	330	7215	7132	7487	7636	151	−300	1
2691	1695	135948+402255	1.66	.17	201	3767	3848	3946	3577	−61	430	2
2693	1120E	140011−481608	2.35	.28	302	2914	2679	3129	3332	324	−526	4
2694	1696	140031+083903	1.16	.11	201	4593	4538	4856	5107	119	−370	3
2695	1700	140040+494724	.99	.11	479	12603	12722	12745	13001	−113	−142	2
2697	1698	140045+020118	1.70	.24	234	3597	3514	3868	3908	154	−194	1
2699	1699	140057−163701	1.22	.10	344	9524	9370	9798	9370	239	187	5
2702	1703	140243+090952	1.23	.11	165	5863	5812	6123	4033	117	1972	3
2705	1705	140403+120018	1.34	.12	324	7233	7195	7487	7264	101	120	1
2706	1706	140407+062910	1.74	.22	354	7437	7376	7699	6971	131	596	1
2710	1710	140443+141648	2.35	.25	395	7185	7157	7434	6698	89	646	1
2715	1715	140656+720722	1.68	.17	527	10098	10293	10137	9242	−222	1117	2
2718	1714	140738+094031	1.12	.13	380	7070	7025	7324	9349	115	−2141	1
2721	1130E	140838−293419	2.51	.24	380	4727	4538	4978	4907	286	−215	4
2724	1717	140952+201836	.90	.10	121	2296	2299	2526	3395	56	−925	5
2725	1718	141007+462623	1.34	.12	296	7883	7994	8031	6929	−93	1195	2
2726	1722	141037+592130	1.56	.18	174	3081	3239	3176	2746	−162	591	2
2730	1133E	141135−302407	1.52	.17	450	6896	6707	7143	6677	289	176	4
2731	1721	141137−010928	5.49	.73	226	1541	1454	1802	1353	172	276	3
2734	1725	141216+295427	1.11	.13	191	4362	4408	4565	5050	1	−486	1
2743	1731	141433−042502	.76	.08	163	2689	2592	2949	5454	189	−2694	5
2747	1735	141534+361336	6.38	.69	554	2883	2957	3063	2866	−34	231	3
2749	1737	141647+230010	1.99	.22	299	4601	4621	4818	4094	42	681	1
2756	1141E	141749−312055	2.01	.22	304	2761	2574	3001	4050	293	−1342	4
2759	1143E	141903−345112	1.53	.16	271	3756	3561	3988	4777	302	−1091	4
2761	1744	141945+092147	5.15	.69	129	1279	1243	1519	667	119	732	3
2762	1146E	142052−290119	1.23	.16	260	7178	7000	7418	5267	287	1864	4
2768	1748	142355+344326	1.16	.11	309	8500	8574	8677	8735	−24	−33	1

Table 2: *A list of velocity-distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2774	1751	142521+393224	5.66	.34	176	1440	1534	1600	1035	−52	617	3
2776	1752	142700+084103	2.80	.31	138	1366	1333	1599	1375	124	99	3
2779	1155E	142732−311420	.99	.09	256	7128	6949	7358	7086	294	−22	5
2781	1157E	142814−235223	2.54	.27	424	7151	6995	7389	5774	272	1343	4
2783	1757	142848+591545	.76	.09	361	11411	11577	11495	12003	−160	−347	2
2792	1764	143138+524500	.88	.11	407	13681	13827	13789	11897	−125	2017	2
2801	1770	143346+440457	1.11	.12	130	3071	3188	3208	3209	−77	75	2
2802	1798	143346+851724	1.24	.10	378	6163	6390	6137	9184	−272	−2773	5
2805	1170E	143443−252635	1.41	.07	228	6793	6637	7023	5457	278	1287	4
2815	1782	143615+733024	.96	.10	480	12015	12221	12037	12639	−227	−374	2
2817	1775	143636+492502	.72	.10	67	2247	2385	2363	1299	−106	1170	5
2819	1776	143721+181456	1.99	.17	308	5832	5849	6036	5207	72	756	1
2826	1785	143812+463820	3.08	.36	317	2237	2366	2361	3171	−91	−718	3
2835	1179E	144012−254637	2.44	.27	199	1839	1686	2062	2197	279	−414	3
2838	1792	144044+142144	.96	.10	390	9104	9107	9311	10669	95	−1452	1
2840	1793	144112−173846	.65	.09	59	3422	3298	3650	1350	251	2048	5
2841	1795	144114+100325	1.03	.11	489	16679	16665	16893	15215	119	1558	1
2845	1796	144202+120412	1.49	.16	330	8620	8615	8830	6898	108	1823	1
2847	1800	144231+422832	1.03	.12	192	5254	5371	5388	5254	−67	201	2
2850	1801	144339+110822	1.57	.16	419	10940	10932	11149	8215	113	2820	1
2851	1809	144343+794604	.92	.10	108	2211	2430	2206	2818	−252	−359	2
2858	1188E	144543−222729	.77	.08	121	5638	5501	5858	3730	269	1858	5
2860	1804	144724−172644	3.70	.50	235	2210	2092	2431	1802	251	377	3
2864	1187E	144744−731819	2.85	.27	359	4417	4179	4522	3654	325	543	4
2870	1814	144912+294442	1.68	.17	424	9076	9149	9240	8486	7	746	3
2872	1816	144939+233340	1.46	.10	186	5280	5329	5458	4136	43	1279	1
2875	1830	145003+831814	1.00	.08	134	1816	2042	1796	3968	−265	−1906	5
2878	1822	145119+585841	3.38	.45	405	2138	2313	2209	3661	−157	−1295	3
2885	1826	145515+482155	1.39	.12	260	3439	3584	3543	6198	−99	−2555	2
2888	1828	145552+244311	1.62	.18	346	4844	4903	5012	6205	37	−1229	1
2893	1838	145715+383804	.84	.11	203	9445	9558	9576	6234	−43	3385	5
2895	1833	145729−182713	2.65	.36	252	3789	3676	3997	2851	255	890	3
2896	1836	145733+071245	.94	.11	420	10847	10835	11044	11872	136	−965	1
2897	1837	145802−192320	1.74	.17	154	3120	3004	3327	2400	259	667	3
2901	1841	145941+271936	1.10	.11	264	9632	9704	9790	7280	22	2488	1
2903	1842	150037+380033	.78	.10	121	2388	2501	2518	3714	−40	−1156	5
2906	1845	150255−131942	1.46	.11	163	2515	2426	2717	3417	235	−935	5
2908	1849	150339+420735	1.31	.13	224	5191	5321	5306	5019	−64	350	2
2912	1853	150415+480954	.82	.09	333	9413	9563	9509	10679	−98	−1071	2
2916	1855	150513+571908	1.01	.11	322	8880	9058	8947	8853	−148	241	2
2917	1856	150612+483749	.90	.11	251	5650	5803	5743	6502	−100	−657	2
2918	1854	150633−124301	1.34	.10	154	2331	2248	2528	3547	233	−1252	5
2928	1863	151202+014156	3.25	.22	134	2023	2002	2206	1317	165	723	1
2931	1202E	151228−420101	1.27	.08	135	4825	4649	4991	3312	322	1357	4
2934	1865	151357+372020	.95	.10	218	8988	9109	9105	6268	−35	2873	5
2937	1205E	151413−464836	10.86	1.05	167	522	334	679	374	329	−25	3
2940	1869	151502+055542	.83	.09	33	6870	6869	7044	12	143	6888	5
2945	1873	151548+182242	1.37	.18	643	11427	11477	11583	12383	74	−875	1
2946	1875	151552+561946	12.77	1.40	455	667	847	729	1239	−142	−368	3

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
2961	1888	151948+484301	.83	.10	398	11073	11234	11154	12070	−101	−815	2
2964	1889	152135+415418	.80	.09	152	5491	5632	5588	4874	−62	776	2
2966	1890	152231+191540	1.79	.15	426	6875	6935	7020	7558	69	−607	1
2967	1891	152301+043149	1.90	.22	157	1830	1831	1995	2748	151	−904	1
2974	1897	152533+181641	2.82	.36	401	4392	4451	4535	4527	75	−67	1
2975	1903	152541+661242	.93	.11	153	3482	3689	3507	4264	−192	−564	2
2976	1895	152543−171428	.93	.12	312	7072	6988	7243	8760	251	−1768	5
2977	1898	152605+091217	1.50	.20	165	1895	1918	2050	3085	126	−1160	1
2980	1899	152646−135800	.88	.09	211	7430	7360	7599	6615	238	746	5
2984	1906	152819+490716	.87	.09	232	7546	7714	7617	7418	−103	302	2
2986	1908	152920+622438	.83	.10	399	11920	12121	11954	12356	−174	−227	2
2989	1909	153010+490129	.83	.09	456	21511	21680	21581	13875	−102	7808	2
2991	1217E	153157−244623	1.34	.16	235	4412	4306	4572	4950	278	−656	4
2994	1918	153402+564113	6.16	.84	571	3412	3603	3458	3162	−144	440	3
2995	1913	153407+113936	.95	.10	336	13019	13059	13160	9720	112	3327	1
2999	1917	153430+335927	.91	.07	275	9492	9616	9593	8899	−16	710	5
3003	1923	153503+430825	.66	.08	442	18553	18708	18633	15078	−69	3624	2
3004	1920	153516+304811	1.70	.22	469	9430	9544	9537	8348	2	1186	1
3006	1921	153539+123622	1.58	.21	247	3183	3228	3320	3677	107	−463	1
3007	1926	153654+511720	1.10	.11	243	5853	6032	5911	6539	−115	−512	2
3012	1928	153914+141037	1.15	.11	221	5799	5854	5929	5028	98	803	1
3013	1930	153914+400842	1.12	.10	435	12795	12943	12877	11215	−52	1714	2
3014	1931	153916+465011	.76	.08	229	6089	6257	6156	7623	−91	−1376	2
3015	1932	153945+415224	.67	.07	205	8978	9132	9056	8153	−62	965	2
3020	1937	154144+453452	.81	.10	317	11099	11265	11166	10033	−84	1217	2
3021	1935	154200+004248	4.26	.40	241	1913	1916	2054	1810	169	73	1
3023	1940	154224+413726	1.09	.13	236	6955	7110	7030	6024	−61	1067	2
3025	1939	154259−135725	.78	.09	260	882	827	1028	8614	237	−7823	5
3026	1942	154348+331822	1.22	.13	367	9505	9634	9596	8699	−13	909	1
3027	1946	154407+471741	1.02	.08	223	5972	6145	6033	6582	−93	−456	2
3028	1943	154428+113300	1.70	.19	708	10294	10343	10420	11408	112	−1100	1
3031	1945	154449+035723	1.97	.20	202	3541	3560	3675	3610	153	-88	1
3035	1948	154624+025040	1.15	.12	110	1522	1538	1654	2586	158	−1089	1
3037	1224E	154636−210755	1.04	.08	245	6574	6494	6716	6944	265	−493	5
3043	1953	154841+215209	2.69	.35	313	2161	2254	2266	3608	53	−1395	1
3044	1954	154858+180612	1.29	.11	187	3313	3392	3424	4242	75	−893	1
3045	1958	154922+333833	.76	.08	379	8305	8440	8389	13999	−15	−5595	4
3051	1962	155107+502230	.77	.09	459	15367	15552	15414	14146	−111	1379	2
3054	1966	155341+452425	1.04	.09	293	8434	8607	8489	8618	−83	-45	2
3057	1967	155443+043101	1.10	.11	408	10360	10390	10478	10831	149	−501	1
3062	1970	155545+242938	1.12	.11	453	9754	9862	9845	11561	37	−1753	1
3064	1971	155813+131019	2.07	.19	455	10387	10455	10491	8976	101	1413	1
3069	1975	160114+140443	1.25	.11	426	11721	11795	11819	11341	96	382	1
3075	1987	160259+773624	1.66	.19	335	3951	4183	3930	6102	−244	−1927	2
3077	1988	160331+773133	.77	.06	273	15275	15507	15254	10041	−243	5457	2
3079	1235E	160349−605841	2.80	.20	494	5426	5232	5518	4852	334	330	3
3082	1982	160409+425320	1.10	.10	419	11744	11918	11793	10684	−70	1178	2
3085	1984	160502+134207	1.76	.17	309	4636	4712	4729	4622	97	8	1
3087	1986	160542+222724	1.23	.11	214	5694	5803	5774	5046	48	680	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3088	1990	160656+623214	.90	.09	414	9386	9603	9394	12285	−176	−2714	2
3092	1989	160817+073221	3.34	.45	198	1370	1425	1465	1721	131	−387	1
3093	1239E	160833−250111	1.67	.20	273	7114	7038	7225	5082	275	1866	4
3094	1992	160858+363638	2.18	.21	583	9032	9191	9086	8092	−35	1029	1
3098	1996	160951+223654	1.71	.18	398	9840	9953	9914	7038	46	2830	2
3099	1997	160957+224410	.72	.10	145	4451	4565	4525	4838	45	−358	2
3100	1998	161004+223900	1.65	.21	499	9959	10073	10033	8559	46	1428	2
3105	2001	161226+381433	1.47	.16	203	3883	4049	3930	4171	−44	−195	1
3106	2003	161250+315935	1.51	.20	376	9288	9436	9344	6588	−8	2765	2
3109	2005	161340+525224	.73	.09	375	10040	10243	10060	12789	−127	−2601	2
3111	2004	161425−001226	5.71	.58	321	2045	2074	2137	1851	170	115	3
3113	2008	161504+312746	.87	.11	279	9259	9407	9313	8648	−5	671	1
3114	2009	161528+185418	2.24	.29	212	2306	2411	2377	2765	66	−454	3
3115	2010	161555+164702	.97	.11	365	10378	10475	10451	10046	78	326	1
3116	2011	161603+112852	.75	.09	402	10604	10681	10683	15163	108	−4587	1
3118	2013	161640+143900	1.18	.11	258	9107	9197	9181	7909	90	1182	1
3119	2014	161709+195938	1.23	.11	340	10876	10986	10943	8783	60	2099	1
3124	2018	161829+220950	1.23	.17	248	4272	4391	4335	4959	47	−672	1
3126	2020	161901+154550	1.00	.10	366	10350	10446	10420	10071	83	265	1
3127	2022	161911+394441	.88	.10	275	9537	9712	9573	8413	−54	1215	2
3131	2025	162007+405707	.65	.08	262	10024	10203	10057	10308	−61	−188	2
3132	2028	162050+630716	1.01	.08	163	3075	3299	3072	4856	−180	−1603	5
3134	2030	162150+671735	1.24	.17	148	998	1227	988	3022	−200	−1833	5
3136	2027	162221+135113	1.12	.11	363	10104	10196	10171	10649	93	−572	3
3138	2034	162354+690457	.84	.10	235	7756	7987	7741	7313	−208	637	2
3139	2032	162421+405154	.78	.09	152	9037	9219	9066	5115	−61	4011	2
3142	2031	162450+093626	1.23	.15	455	10320	10398	10387	11363	116	−1092	1
3145	2036	162732+484255	.95	.10	183	4309	4512	4323	5641	−106	−1212	2
3146	2039	162858+422511	1.03	.11	368	9467	9656	9488	10155	−71	−596	2
3149	2040	162944+115050	1.10	.15	204	5142	5233	5200	4799	103	297	1
3154	2045	163231+674449	1.12	.12	266	3429	3662	3411	6913	−203	−3297	2
3156	2047	163433+435520	.67	.08	335	14377	14574	14389	11883	−80	2587	2
3159	2046	163455+203444	1.62	.17	261	4352	4480	4392	4896	53	−556	1
3160	2048	163507+405928	1.67	.12	525	9018	9208	9034	9720	−64	−621	2
3164	2053	163721+624428	1.57	.11	302	5669	5899	5655	6187	−180	−351	2
3167	2054	163921+292211	1.01	.11	351	12393	12553	12417	10979	1	1436	1
3173	2065	164113+771147	.66	.08	274	12449	12688	12416	10450	−244	2210	2
3174	2057	164135+092557	.97	.12	213	5591	5683	5633	5712	113	−193	1
3176	2059	164218+482738	.74	.09	175	7893	8104	7891	6109	−107	1889	2
3185	2066	164422+585034	1.00	.08	239	5407	5636	5392	6699	−162	−1144	2
3186	2067	164557+395910	1.12	.11	298	9078	9273	9082	7545	−60	1597	2
3187	2071	164636+692043	.80	.10	335	7587	7826	7559	10597	−212	−2825	2
3190	2068	164654+315307	1.12	.11	183	4433	4607	4444	4992	−14	−533	1
3197	2072	165000+092609	1.93	.24	561	9691	9791	9719	9289	111	319	1
3199	2074	165028+404713	.93	.11	258	8575	8775	8572	7576	−66	1062	2
3200	2075	165050+392204	1.11	.11	274	11839	12036	11837	7447	−58	4448	2
3201	2081	165054+471305	.83	.09	263	9231	9445	9222	8544	−102	779	2
3211	2084	165457+220856	1.34	.17	427	10648	10798	10657	10084	39	534	1
3212	2088	165521+583936	1.08	.09	148	4972	5206	4948	3850	−163	1260	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3215	2092	165638+594929	.76	.08	288	9093	9329	9067	10158	−168	−922	2
3216	2098	165704+770828	.80	.08	173	5086	5328	5048	6023	−245	−730	2
3217	2091	165723+384018	1.70	.22	117	2056	2255	2047	1753	−56	349	1
3219	2096	165807+585310	1.44	.10	245	5267	5502	5240	5192	−164	213	2
3223	1262E	165835−712735	1.36	.17	270	4931	4732	4980	5110	323	−452	4
3227	2100	170143+411344	1.44	.18	429	8516	8724	8500	7336	−71	1235	2
3229	2102	170332+435920	.92	.11	214	8014	8229	7993	6193	−87	1887	2
3232	2104	170455+431430	1.15	.08	266	8292	8507	8270	7285	−83	1068	2
3234	2108	170507+524222	1.15	.13	461	10289	10520	10260	10516	−134	−121	2
3238	1268E	170700−620459	4.98	.44	218	1508	1338	1552	1267	326	-42	4
3239	2109	170707+085538	1.46	.11	499	10625	10738	10627	11783	108	−1265	1
3240	2110	170726+301330	1.68	.19	443	9577	9761	9562	7644	−10	1927	2
3242	2111	170745+301934	1.40	.15	398	9674	9859	9658	9368	−11	301	2
3246	2114	171050+455114	1.30	.12	439	8267	8490	8237	9772	−99	−1436	2
3247	2113	171104+055108	1.97	.24	561	6719	6823	6717	7701	123	−1107	1
3249	2115	171149+473937	.85	.10	266	8329	8556	8297	8392	−109	14	2
3254	2122	171507+581426	1.10	.11	331	9305	9547	9265	8970	−164	459	2
3255	2120	171510+065930	1.03	.13	232	6321	6433	6312	6880	116	−684	1
3261	2126	171832+414007	.95	.11	408	10804	11024	10767	11160	−78	−314	2
3262	2128	171851+611326	1.22	.10	217	3939	4185	3895	5679	−179	−1604	2
3274	2131	172616+111905	1.33	.13	138	2781	2919	2751	2920	88	−258	1
3277	2139	172719+611037	1.34	.10	97	3050	3300	2999	1906	−180	1274	2
3279	2135	172723+133945	.88	.08	223	9059	9206	9026	8768	75	181	1
3283	2140	172857+291827	1.47	.16	237	6800	6998	6755	4882	−12	1886	1
3284	2138	172900+084957	1.16	.15	364	8762	8893	8729	8413	101	215	1
3285	2147	172902+741526	1.84	.15	167	1946	2196	1895	2739	−237	−606	2
3289	2145	173141+321355	1.88	.10	245	4549	4756	4499	4451	−30	78	1
3295	1285E	173623−773212	.82	.09	192	5065	4859	5100	5631	312	−842	4
3297	2152	173721+602537	1.12	.11	325	6191	6444	6132	8499	−179	−2187	2
3304	2159	174652+570405	1.20	.10	252	8528	8784	8461	6228	−165	2398	2
3309	2156	174750+054825	1.23	.12	507	6447	6581	6387	10178	109	−3900	1
3310	2161	174810+530908	.95	.10	246	6740	6993	6670	7018	−147	−200	2
3311	2165	174857+664302	.72	.09	222	7862	8120	7798	7902	−209	105	2
3313	2164	175040+144916	1.29	.17	275	4064	4233	3994	5346	59	−1411	1
3315	2167	175239+290332	1.46	.19	361	5187	5401	5110	7251	−20	−2120	2
3316	2168	175337+582103	1.79	.10	219	3448	3707	3375	4265	−173	−715	2
3320	2171	175731+114357	1.34	.19	144	2907	3071	2828	2592	72	163	1
3323	2174	180004+443141	1.20	.15	488	12071	12320	11986	8511	−107	3581	2
3324	2176	180151+065811	5.38	.68	298	1964	2114	1881	1613	96	172	1
3326	2179	180258+520653	1.28	.11	480	14591	14850	14506	10448	−146	4204	2
3328	2180	180412+450346	.91	.11	386	12001	12253	11911	10939	−111	1083	2
3331	2181	180501+200224	1.14	.10	279	6788	6985	6695	7591	23	−919	1
3335	2185	180805+163444	.99	.10	331	6548	6736	6451	9267	41	−2857	1
3341	2188	181138+253927	1.81	.24	319	4523	4741	4419	5468	−10	−1038	2
3342	2189	181201+253431	.81	.11	141	4433	4651	4329	4852	−9	−513	2
3343	2190	181207+253546	1.96	.27	259	4761	4979	4657	4213	−10	453	2
3344	2194	181227+611755	.83	.10	332	6720	6987	6635	10047	−191	−3220	2
3349	2195	181445+562953	1.29	.13	268	4289	4556	4197	6240	−170	−1871	2
3352	2196	181729+185412	1.28	.16	292	5285	5487	5174	5884	24	−734	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3353	2198	181857+525417	.75	.09	175	8245	8512	8146	5850	−155	2451	2
3355	1300E	182000−513219	1.58	.16	271	5329	5231	5298	4707	301	289	4
3362	2203	182616+251954	.90	.12	170	5297	5523	5173	5062	−15	126	1
3365	2204	182806+224234	1.23	.11	284	4357	4577	4230	6771	−2	−2538	5
3366	2205	182857+513905	1.49	.17	429	9729	10000	9619	7818	−152	1953	2
3367	2206	182943+302617	1.74	.16	232	4987	5228	4860	3647	−44	1257	1
3372	2209	183136+502117	.87	.08	358	10912	11183	10798	11025	−147	−79	2
3377	2212	183312+525655	1.34	.11	385	8345	8618	8233	8388	−160	4	2
3378	2211	183340+320823	1.95	.11	385	5456	5703	5325	7061	−55	−1681	1
3385	2217	183754+173202	2.63	.19	476	4500	4711	4359	5780	20	−1441	1
3388	1315E	183902−553703	1.45	.17	191	4765	4657	4725	3658	300	766	4
3393	2221	184050+380018	1.34	.15	275	5656	5918	5520	5529	−89	80	1
3396	2223	184155+495447	.96	.11	351	13365	13640	13241	9648	−149	3742	2
3399	2229	184349+814403	.99	.11	590	15780	16032	15715	14502	−269	1482	2
3405	1317E	184712−820744	1.79	.12	353	6482	6272	6506	6758	299	−551	4
3411	2334	185049+843500	1.28	.16	308	4074	4320	4015	7087	−276	−2796	3
3414	2230	185223+731140	1.70	.16	362	7475	7743	7387	6444	−245	1188	2
3415	1328E	185223−482118	.92	.10	325	10615	10545	10546	9717	284	544	4
3416	1329E	185236−512808	1.25	.15	215	4737	4653	4675	4469	289	-83	4
3420	1335E	185718−470331	1.46	.17	151	3220	3159	3142	2589	279	274	4
3421	2231	185801+421326	1.06	.11	183	4899	5175	4748	4596	−118	271	2
3428	1342E	190300−560936	3.71	.45	280	3182	3079	3124	2161	293	670	4
3430	2235	190336+273625	1.93	.22	349	4236	4490	4064	4784	−47	−672	3
3434	2237	190538+433813	.74	.09	371	16334	16614	16177	11700	−129	4606	2
3436	2238	190659+714558	1.06	.13	365	11897	12170	11799	10200	−243	1842	2
3437	1346E	190707−592801	2.71	.27	182	1841	1725	1790	1783	295	−288	4
3445	1354E	191147−210955	1.49	.16	374	8184	8257	8030	6751	189	1090	4
3447	2240	191207+421038	.88	.11	168	4494	4776	4328	4979	−125	−525	2
3453	1361E	191538−475310	1.65	.23	227	4935	4877	4842	4046	273	523	4
3455	2241	191545+432628	1.23	.15	305	4666	4950	4499	5804	−133	−1172	2
3465	2247	192102+544854	1.16	.08	266	4488	4779	4339	7430	−185	−2905	5
3469	2248	192350+344735	1.05	.11	162	2945	3222	2756	3578	−95	−726	5
3471	1374E	192410−351056	1.95	.24	296	5377	5386	5240	4413	234	593	4
3477	2251	192916+502602	1.18	.12	426	10767	11060	10601	9659	−170	1112	2
3479	2253	193045+535320	1.09	.13	156	3768	4062	3609	3149	−185	645	2
3480	2254	193116+421156	1.43	.17	561	11051	11340	10866	9604	−134	1397	2
3481	1378E	193136−533307	1.63	.16	201	3246	3165	3158	3540	278	−660	4
3489	1382E	193542−573106	3.34	.20	248	1928	1829	1850	2384	283	−817	4
3491	2260	193555+640419	1.00	.09	315	5617	5906	5483	8445	−225	−2737	2
3492	2261	193640+770607	.99	.12	271	6914	7181	6822	7369	−263	−283	2
3506	1392E	194300−595644	1.28	.16	225	4163	4054	4089	4747	284	−942	4
3507	1395E	194421−272425	3.27	.35	476	5798	5856	5618	4470	194	954	4
3512	1400E	194632−520559	.83	.09	333	9103	9034	8998	9996	268	−1267	4
3520	1408E	195255−250900	1.49	.13	287	5822	5894	5627	6167	179	−720	4
3523	1411E	195404−302902	1.45	.17	259	6665	6710	6483	4935	200	1348	4
3527	1416E	195812−554052	1.38	.13	298	5120	5035	5020	4982	271	−233	4
3531	2265	200111+530430	1.39	.17	197	3523	3825	3339	4280	−195	−745	5
3532	1422E	200240−640441	1.56	.12	261	5684	5559	5616	4995	283	337	4
3550	1438E	201200−470126	.91	.13	345	7755	7719	7611	8002	244	−635	4

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3556	1446E	201459−195119	.60	.05	211	4914	5021	4683	9260	142	−4720	5
3561	1450E	201712−405526	2.26	.16	203	2854	2851	2683	3126	223	−665	4
3562	1452E	201720−384026	1.97	.25	196	2583	2592	2404	2623	215	−434	4
3569	2267	202152+522429	1.48	.17	229	2960	3267	2760	3909	−201	−947	2
3572	1464E	202309−211138	.83	.09	240	8393	8496	8156	7558	142	455	5
3575	1459E	202328−713353	2.17	.20	242	4169	4011	4125	3217	286	622	4
3577	1465E	202350−482132	1.61	.19	293	5608	5567	5461	5137	242	81	4
3580	1470E	202443−413043	2.44	.24	359	5460	5456	5285	4023	221	1041	4
3595	2273	203148+013229	2.13	.26	431	5352	5561	5071	5831	27	−787	1
3600	1490E	203321−270553	1.78	.17	254	6115	6190	5884	4656	161	1066	4
3606	2277	203502−073708	.93	.11	136	3647	3818	3372	3480	70	−179	5
3607	2278	203504+015613	2.07	.22	328	4014	4226	3729	4758	23	−1052	1
3612	1497E	203647−451829	2.21	.31	479	6737	6715	6568	6491	226	−149	4
3614	2280	203748−031109	1.30	.17	407	6260	6451	5977	8638	46	−2708	5
3618	1503E	204013−504746	.78	.09	205	6381	6330	6233	6289	241	−297	4
3620	2282	204052+003909	1.57	.21	367	8047	8255	7757	6920	25	811	3
3621	1505E	204107−532949	1.33	.13	186	4358	4293	4222	3731	248	242	4
3631	2286	204243−024602	1.56	.12	242	3825	4019	3536	4876	41	−1380	5
3632	1513E	204325−561213	1.59	.16	225	4412	4333	4287	3947	253	85	4
3637	1510E	204459−765904	1.34	.16	366	6503	6322	6480	7083	286	−888	4
3643	1525E	204806−301335	1.99	.16	465	8305	8367	8071	7980	164	−73	4
3644	1519E	204827−780409	2.26	.19	212	2751	2565	2733	2769	286	−322	4
3658	2291	205412+174644	1.77	.16	459	8002	8272	7701	8286	−70	−514	1
3659	2292	205455+173942	.90	.08	172	5563	5832	5261	5573	−70	−242	1
3675	2299	210116−170759	1.04	.13	184	3463	3595	3182	4782	97	−1698	5
3678	2302	210215+150809	1.01	.11	191	5317	5580	5007	5279	−63	−209	5
3684	2303	210348−174623	.71	.07	63	3132	3261	2850	1472	98	1279	5
3711	1569E	211210−571643	2.89	.31	270	3252	3170	3118	3319	244	−446	4
3712	1571E	211210−373738	1.34	.07	232	7680	7705	7456	5730	179	1545	4
3723	2314	211545+172136	1.05	.10	395	8979	9250	8660	10313	−83	−1569	2
3724	1578E	211604−644901	2.80	.27	166	1791	1670	1695	1808	261	−373	4
3731	1588E	211821−634540	3.34	.44	534	3144	3028	3041	4098	258	−1314	4
3734	2316	211853+154052	1.40	.18	464	8547	8814	8224	10228	−77	−1926	1
3741	1593E	212116−460911	1.37	.19	226	2686	2665	2493	4279	206	−1991	4
3746	2323	212340+190744	.80	.10	231	5379	5656	5056	8082	−97	−2928	2
3752	1600E	212545−400726	.92	.09	431	5034	5046	4812	12221	181	−7590	5
3760	1610E	213034−333900	1.22	.16	319	7625	7673	7374	5937	151	1284	4
3762	2327	213057+135910	1.74	.24	599	8614	8877	8281	7711	−78	649	1
3763	2328	213112+031649	.76	.08	125	4137	4363	3803	4903	−26	−1073	1
3770	2329	213431+144050	.84	.10	329	8697	8962	8363	9644	−84	−1196	1
3771	2330	213433+185704	1.31	.16	425	6608	6885	6278	8344	−104	−1962	1
3793	1637E	214028−263141	2.44	.28	350	3401	3487	3119	4206	113	−1200	4
3803	2339	214439−064121	2.06	.11	185	3098	3282	2765	3147	13	−395	5
3820	2345	215143+113434	1.43	.11	342	8548	8803	8202	7372	−82	912	1
3824	2350	215236+281825	2.08	.17	239	3476	3774	3151	3504	−159	−194	1
3826	2349	215244+033236	.99	.10	287	8262	8489	7915	9278	−43	−1319	1
3829	1662E	215250−450918	.88	.09	227	9101	9086	8889	6787	185	1916	4
3833	1664E	215415−671951	1.81	.16	262	3988	3855	3896	3901	255	−259	4
3837	1670E	215538−545237	1.53	.17	452	8355	8286	8192	8395	219	−422	4

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3843	1674E	215740−402505	.90	.09	224	10126	10136	9890	6870	164	2855	4
3846	2354	215807+010033	3.47	.26	278	3014	3230	2665	3998	−35	−1297	3
3849	2356	215931+063319	.91	.11	305	11704	11941	11353	8550	−63	2865	2
3854	1683E	220110−323445	2.40	.17	174	2273	2326	2003	2275	127	−400	4
3855	2357	220128+033352	.80	.08	151	8163	8389	7811	5063	−50	2798	1
3858	2358	220229+025002	1.14	.10	237	3984	4207	3632	6067	−47	−2387	5
3863	2360	220407+355617	2.26	.27	580	5563	5871	5253	7812	−196	−2362	1
3865	1689E	220501−695835	1.08	.14	226	8560	8413	8482	5293	258	2930	4
3866	1690E	220515−604035	1.53	.20	211	4591	4491	4458	3468	233	756	4
3867	1693E	220520−203649	.80	.08	109	2755	2871	2442	3343	68	−969	5
3872	2364	220624+172602	.84	.11	271	10285	10557	9936	8135	−120	1921	1
3879	2367	220800+154306	1.06	.10	173	7827	8094	7475	5614	−113	1975	1
3880	2366	220804−101959	2.16	.10	180	2866	3032	2527	3045	14	−533	5
3890	2370	221100+224634	.94	.11	243	7208	7493	6864	6902	−147	109	1
3892	2372	221133+295136	.95	.13	264	6847	7146	6517	7839	−177	−1143	3
3893	2371	221138+154309	.78	.10	233	7827	8093	7474	7631	−116	-40	2
3894	2373	221238+055227	.84	.11	171	4451	4685	4094	5670	−69	−1506	1
3895	1712E	221252−253835	1.65	.16	125	2657	2746	2357	2456	87	−187	5
3896	1709E	221300−620405	2.63	.20	129	1693	1586	1566	1425	235	-93	4
3900	2375	221338+141309	2.24	.28	327	7632	7894	7277	6353	−110	1034	1
3903	1718E	221403−265617	2.28	.31	298	2584	2666	2288	3589	93	−1394	4
3904	1719E	221409−331406	1.86	.22	275	4287	4335	4014	3620	122	271	4
3907	2376	221448+142804	.80	.09	279	10475	10737	10120	9619	−112	613	1
3908	1717E	221455−665056	4.89	.61	352	1747	1615	1648	2084	247	−683	4
3911	2379	221528+191312	2.13	.30	211	1400	1676	1049	2860	−135	−1675	2
3912	2380	221534+333746	1.39	.19	255	5028	5332	4707	4895	−195	6	1
3914	2381	221552+140444	.76	.10	311	7615	7876	7259	10275	−111	−2904	2
3915	1723E	221603−473943	2.21	.22	196	2911	2880	2704	2551	183	-30	4
3916	1724E	221643−470705	1.99	.20	216	2773	2745	2563	3005	181	−622	4
3923	2402	221909+884844	.65	.08	499	19194	19431	19141	18703	−288	726	2
3926	2385	222052+331742	2.69	.30	415	4897	5200	4573	4342	−197	428	2
3929	2386	222150+425705	.86	.11	162	3298	3610	3005	4325	−230	−1089	5
3935	1739E	222316−285848	2.94	.27	129	1795	1865	1503	1362	96	44	4
3937	2388	222350+065353	.77	.10	125	4764	5000	4402	3861	−83	624	1
3941	2390	222533+185942	.92	.11	298	9284	9557	8930	8478	−141	592	1
3944	1745E	222722−310026	1.11	.09	142	3933	3992	3647	3779	104	−235	5
3945	2392	222740−074259	.96	.10	61	7234	7409	6883	1042	−12	5853	5
3959	2394	223309+722850	1.62	.22	265	2597	2881	2445	3960	−291	−1223	5
3963	2395	223529+191801	.66	.09	214	11402	11674	11045	8309	−149	2885	1
3964	2396	223540+031626	.71	.10	261	9335	9555	8971	8801	−73	243	1
3966	2398	223636+022348	1.68	.20	480	11525	11741	11161	8852	−70	2378	1
3967	2399	223648+185124	.78	.10	270	8424	8695	8066	8022	−148	192	1
3968	2400	223714+115704	1.23	.11	479	15366	15616	15002	12560	−116	2559	1
3971	2401	223753+251130	1.16	.13	184	4085	4371	3737	4047	−175	−133	1
3975	2405	223927+402721	.93	.08	496	17460	17768	17154	13043	−232	4344	2
3976	2404	223931+083646	1.88	.21	435	7422	7661	7056	7872	−102	−712	1
3977	2406	223937+333447	1.01	.10	210	6573	6874	6245	5635	−209	820	1
3979	2407	224014+190134	.78	.11	386	9797	10068	9439	11417	−151	−1826	1
3984	2408	224102+192010	.96	.08	371	8646	8917	8288	10615	−153	−2174	2

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
3985	2411	224250+325935	1.40	.18	326	6520	6819	6190	5301	−209	1097	1
3987	2412	224314+082605	1.01	.10	243	9809	10046	9442	8014	−104	1532	1
3989	2413	224351+082600	.63	.09	238	7968	8205	7601	9587	−104	−1881	1
3996	1776E	224609−370235	.73	.09	325	6673	6696	6409	10543	121	−4255	5
3998	1777E	224706−644948	3.53	.34	210	2364	2240	2249	1737	232	279	4
3999	2420	224714+754519	.93	.11	111	1551	1827	1417	2594	−295	−881	5
4004	2419	224807+281735	2.18	.22	553	7263	7553	6920	7772	−194	−657	3
4005	1780E	224833−393853	2.26	.27	113	2410	2418	2157	1156	132	869	4
4006	1781E	224857−575346	1.31	.17	368	10640	10551	10484	8026	208	2250	4
4008	2424	224924+401359	1.75	.19	369	6757	7063	6449	7102	−237	−416	2
4012	2425	225036+121410	.64	.09	295	11301	11549	10934	12073	−127	−1010	1
4013	2426	225100−201612	1.79	.17	220	3206	3316	2879	3769	35	−926	4
4016	1783E	225159−805009	1.08	.14	292	8000	7802	7986	7153	272	560	4
4023	1789E	225507−383459	1.56	.17	200	2689	2701	2431	3458	123	−1151	4
4025	2431	225519+282049	1.15	.10	294	7551	7839	7207	7335	−199	72	1
4026	2432	225543+314618	1.40	.18	287	7112	7406	6777	6440	−212	549	1
4031	1793E	225709−424818	4.13	.39	122	929	918	691	885	142	−336	3
4032	2435	225738+125458	1.32	.09	298	7974	8222	7607	7519	−135	223	1
4035	2437	225833+105852	.88	.09	336	7293	7535	6925	10227	−127	−3175	1
4036	2438	225840+190408	1.05	.11	371	9937	10203	9576	10623	−163	−882	1
4038	2439	225855+055853	.99	.11	456	12423	12647	12054	13669	−103	−1511	1
4039	2441	225912+133618	3.44	.20	251	2562	2812	2195	2508	−139	−172	1
4040	2442	225914+262320	.68	.09	173	7639	7922	7291	6631	−194	854	1
4043	2443	225938+245053	1.84	.22	435	7285	7565	6933	7081	−188	40	1
4044	2444	230003+150111	.88	.10	251	7310	7564	6944	8835	−146	−1743	1
4049	2446	230109+053914	1.68	.22	224	3491	3713	3122	3168	−103	56	1
4050	1799E	230132−463847	2.33	.30	396	5888	5856	5669	4170	157	1341	4
4051	2447	230204+304550	1.19	.12	315	6624	6915	6286	6958	−212	−460	1
4053	2449	230227+113807	.93	.09	318	9177	9420	8809	10119	−132	−1177	1
4054	2452	230253+260055	1.71	.11	372	13663	13945	13314	7710	−195	5798	1
4062	2456	230511+251316	.66	.06	163	9831	10110	9480	7504	−193	2169	2
4063	2457	230545+383849	.92	.11	208	5077	5378	4762	5582	−241	−578	2
4065	2459	230624+411906	.65	.07	354	16420	16723	16115	12347	−249	4017	2
4066	2458	230636+060649	1.21	.10	218	5928	6150	5558	5784	−109	−116	1
4072	2463	230755+050940	1.90	.18	263	3523	3741	3153	4904	−105	−1645	3
4076	2465	231150+310116	1.84	.17	418	7086	7375	6748	7715	−219	−748	1
4078	2467	231204+484858	1.93	.10	575	8645	8950	8369	9024	−271	−383	1
4080	2468	231302−011433	1.03	.10	82	6270	6461	5904	1594	−77	4387	5
4081	2469	231313+062548	4.70	.45	468	4839	5060	4469	3478	−115	1105	3
4082	2470	231333+063404	1.68	.17	229	4721	4942	4351	4438	−116	29	1
4083	2471	231343+290032	2.49	.27	186	3737	4021	3394	2172	−212	1435	2
4085	2473	231357+245342	1.12	.15	315	8383	8659	8031	8428	−197	−199	1
4086	2475	231410+341813	1.03	.11	180	5210	5503	4881	5477	−231	−364	1
4091	2476	231502+012605	2.11	.19	290	4961	5162	4593	4393	−92	292	1
4092	2477	231509+305649	1.08	.13	346	6884	7171	6546	8292	−220	−1525	1
4093	1814E	231509−331511	.89	.09	74	5999	6034	5716	1678	86	3951	5
4098	2479	231700+034235	1.88	.25	214	3133	3342	2764	4091	−104	−1222	1
4102	1817E	231830−682937	.78	.09	278	8607	8461	8514	9190	235	−912	4
4103	2484	231843+225230	1.59	.16	495	10887	11156	10531	10739	−192	-15	1

Table 2: *A list of velocity–distance data for the RFGC galaxies (continued)*

RFGC	FGC(E)	RA (2000) D	a_o	b_o	W_c	V_h	V_{LG}	V_{3K}	Hr	V_d	V_p	S
4106	2486	231930+160429	3.25	.28	447	7238	7489	6873	5143	−164	1894	1
4110	2489	232052+234827	1.40	.19	517	6001	6272	5647	9849	−197	−4004	2
4119	2495	232355+094848	1.03	.10	365	8274	8503	7905	10008	−138	−1964	1
4120	2496	232402+204113	1.40	.17	534	11766	12028	11407	10516	−186	1078	1
4121	2497	232433+235913	1.42	.19	250	5061	5331	4708	5224	−200	−316	1
4123	2498	232442−024730	.96	.09	111	2545	2725	2181	2901	−77	−643	5
4124	2500	232600+230000	1.10	.15	275	10946	11213	10591	6390	−197	4398	2
4134	2505	233119+091226	1.36	.12	361	8903	9127	8534	8436	−140	238	1
4136	2507	233202+322519	1.57	.22	290	5076	5360	4743	4647	−235	331	1
4140	2510	233243−014701	1.52	.15	279	5255	5436	4891	5821	−87	−843	5
4142	2512	233309+211413	2.02	.24	323	5789	6049	5432	4839	−194	787	1
4148	2517	233452+171753	1.37	.17	389	6714	6962	6352	8114	−178	−1583	1
4149	2518	233543+322306	2.37	.18	211	4957	5240	4624	3173	−237	1688	1
4152	1835E	233620−573745	2.26	.16	90	3197	3100	3039	1307	190	1541	4
4154	1837E	233636−215143	1.72	.16	102	1555	1641	1233	1616	15	−398	5
4156	1839E	233750−474337	5.52	.57	540	2843	2796	2630	2571	145	-86	4
4157	2519	233807+322125	1.01	.11	253	5081	5363	4749	7446	−238	−2459	2
4158	2520	233813+322006	2.13	.28	318	4842	5124	4510	4795	−238	-46	2
4160	2521	233900+493531	.83	.10	280	9344	9642	9073	8312	−284	1045	2
4163	2523	234024−064546	1.03	.07	192	6802	6958	6445	5730	−66	782	5
4165	2524	234038+202628	1.57	.21	495	6758	7012	6401	8678	−195	−2082	1
4169	2526	234231+280242	.95	.13	235	7168	7440	6825	6173	−225	878	1
4170	1846E	234236−445418	2.63	.34	230	1489	1455	1263	2592	130	−1459	4
4171	2527	234246+271750	1.36	.17	433	7436	7706	7092	8618	−223	−1303	3
4177	1849E	234345−315722	5.15	.70	90	266	298	-18	413	64	−496	4
4179	2532	234413+281619	.85	.10	208	7143	7415	6801	6504	−227	524	1
4180	1850E	234415−801038	1.99	.19	360	4243	4044	4225	5630	265	−1670	4
4182	2533	234440+051526	.90	.10	203	5582	5785	5216	6240	−129	−894	1
4190	2536	234757+280755	1.48	.09	322	9236	9506	8895	7933	−228	1191	5
4192	2537	234840+110126	.94	.10	205	8603	8825	8238	6811	−159	1586	1
4197	2539	234902+090418	1.04	.12	244	6364	6579	5999	7233	−150	−1083	1
4203	2543	235038+142852	1.25	.09	307	8011	8243	7649	7972	−175	−146	1
4205	2544	235100+354656	.92	.09	367	12341	12623	12021	10934	−255	1342	1
4206	2545	235121+490444	1.27	.15	351	5788	6082	5517	7068	−287	−1263	2
4209	2548	235221+075829	1.01	.09	146	3865	4075	3500	3892	−147	−244	1
4213	2551	235316+192331	1.27	.16	201	4349	4595	3993	4406	−198	−214	1
4214	2553	235321+860141	.96	.09	249	5836	6080	5766	7521	−294	−1461	2
4216	1867E	235411−174850	.77	.10	246	11177	11275	10847	6576	−16	4286	4
4224	2558	235519+034930	1.01	.10	182	5378	5571	5015	5167	−129	−23	1
4228	1872E	235655−383949	1.90	.17	149	4630	4622	4376	2900	92	1383	5
4233	2562	235919+311707	1.33	.17	217	5000	5271	4669	4620	−245	294	1