

Table 1. Basic information

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Galaxy	Other names			R.A. J2000	Dec. J2000	Original Publication	Comments
<i>The Milky Way sub-group (in order of distance from the Milky Way)</i>							
The Galaxy	The Milky Way	G	S(B)bc	17h45m40.0s	-29d00m28s	—	Position refers to Sgr A*
Canis Major		G	????	07h12m35.0s	-27d40m00s	Martin et al. (2004)	MW disk substructure?
Sagittarius dSph		G	dSph	18h55m19.5s	-30d32m43s	Ibata et al. (1994)	Tidally disrupting
Hydra 1		G	????	8h55m36.0s	3m36m0.0s	Grillmair (2011)	Possible disrupting dwarf
Tucana III	DES J2356-5935	G	dSph?	23h56m36.0s	-59d36m00s	Drlica-Wagner et al. (2015)	Cluster? Tidally disrupting?
Hydrus 1		G	dSph	2h29m33.4s	-79m18m32.0s	Koposov et al. (2018)	
Draco II		G	dSph?	15h52m47.6s	+64d33m55s	Laevens et al. (2015a)	
Segue (I)		G	dSph	10h07m04.0s	+16d04m55s	Belokurov et al. (2007)	
Carina 3		G	dSph	7h38m31.2s	-57m53m59.0s	Torrealba et al. (2018)	
Reticulum 2	DES J0335.6-5403	G	dSph?	3h35m42.1s	-54d02m57s	Bechtol et al. (2015) Koposov et al. (2015)	Cluster? LMC subgroup?
Cetus II	DES J0117-1725	G	dSph?	1h17m52.8s	-17d25m12s	Drlica-Wagner et al. (2015)	Part of Sgr stream? (Conn et al. 2018b)
Triangulum II	Laevens 2	G	dSph?	2h13m17.4s	+36d10m42s	Laevens et al. (2015b)	Cluster?
Carina 2		G	dSph	7h36m25.6s	-57m59m57.0s	Torrealba et al. (2018)	
Ursa Major II		G	dSph	08h51m30.0s	+63d07m48s	Zucker et al. (2006a)	
Bootes II		G	dSph	13h58m00.0s	+12d51m00s	Walsh et al. (2007)	
Segue II		G	dSph	02h19m16.0s	+20d10m31s	Belokurov et al. (2009)	
Willman 1	SDSS J1049+5103	G	dSph	10h49m21.0s	+51d03m00s	Willman et al. (2005a)	Cluster?
Coma Berenices		G	dSph	12h26m59.0s	+23d54m15s	Belokurov et al. (2007)	
Tucana IV	DES J0002-6051	G	dSph?	0h02m55.2s	-60d51m00s	Drlica-Wagner et al. (2015)	LMC subgroup? Cluster?
Bootes III		G	dSph?	13h57m12.0s	+26d48m00s	Grillmair (2009)	Very diffuse. Tidal remnant?
Pictor 2		G	dSph	6h44m43.2s	-59m53m49.0s	Drlica-Wagner et al. (2016)	
Grus II	DES J2204-4626	G	dSph?	22h04m04.8s	-46d26m24s	Drlica-Wagner et al. (2015)	LMC subgroup?
LMC	Nubecula Major	G	Irr	05h23m34.5s	-69d45m22s	—	
Tucana V	DES J2337-6316	G	dSph?	23h37m24.0s	-63d16m12s	Drlica-Wagner et al. (2015)	Possibly non-existent? (Conn et al. 2018a)
Tucana 2	DES J2251.2-5836	G	dSph?	22h51m55.1s	-58d34m08s	Bechtol et al. (2015) Koposov et al. (2015)	LMC subgroup?
Sagittarius II		G	dSph?	19h52m40.5s	-22d04m05s	Laevens et al. (2015a)	
SMC	Nubecula Minor NGC 292	G	dIrr	00h52m44.8s	-72d49m43s	—	
Bootes (I)		G	dSph	14h00m06.0s	+14d30m00s	Belokurov et al. (2006)	
Draco	UGC 10822	G	dSph	17h20m12.4s	+57d54m55s	Wilson (1955)	

Table 1—Continued

(1) Galaxy	(2) Other names	(3)	(4)	(5) R.A. J2000	(6) Dec. J2000	(7) Original Publication	(8) Comments
Ursa Minor	DDO 208 UGC 9749	G	dSph	15h09m08.5s	+67d13m21s	Wilson (1955)	
Horologium II	DDO 199	G	dSph?	3h16m32.1s	-50d01m05s	Kim & Jerjen (2015)	
Horologium 1	DES J0255.4-5406	G	dSph?	2h55m31.7s	-54d07m08s	Bechtol et al. (2015) Koposov et al. (2015)	Cluster?
Phoenix 2	DES J2339.9-5424	G	dSph?	23h39m59.4s	-54d24m22s	Bechtol et al. (2015) Koposov et al. (2015)	Cluster? LMC subgroup?
Sculptor		G	dSph	01h00m09.4s	-33d42m33s	Shapley (1938a)	The prototypical dSph
Eridanus 3	DES J0222.7-5217	G	dSph?	2h22m45.5s	-52d17m01s	Bechtol et al. (2015) Koposov et al. (2015)	Cluster? (Conn et al. 2018a)
Sextans (I)		G	dSph	10h13m03.0s	-01d36m53s	Irwin et al. (1990)	
Virgo 1		G	dSph	12h0m9.1s	0m40m51.6s	Homma et al. (2016)	
Reticulum III	DES J0345-6026	G	dSph?	3h45m26.4s	-60d27m00s	Drlica-Wagner et al. (2015)	
Indus 1	Kim 2 DES J2108.8-5109	G	dSph?	21h08m49.1s	-51d09m56s	Kim et al. (2015b) Bechtol et al. (2015) Koposov et al. (2015)	Cluster?
Ursa Major (I)		G	dSph	10h34m52.8s	+51d55m12s	Willman et al. (2005b)	
Aquarius 2		G	dSph	22h33m55.5s	-9m19m39.0s	Torrealba et al. (2016b)	
Carina		G	dSph	06h41m36.7s	-50d57m58s	Cannon et al. (1977)	
Grus 1		G	dSph?	22h56m42.4s	-50d09m48s	Koposov et al. (2015)	
Crater 2		G	dSph	11h49m14.4s	-18m24m47.0s	Torrealba et al. (2016a)	
Pictoris 1	DES J0443.8-5017	G	dSph?	4h43m47.4s	-50d16m59s	Bechtol et al. (2015) Koposov et al. (2015)	Cluster?
Hercules		G	dSph	16h31m02.0s	+12d47m30s	Belokurov et al. (2007)	Tidally disrupting? Remnant? Cluster?
Hydra II		G	dSph?	12h21m42.1s	-31d59m07s	Martin et al. (2015)	
Antlia 2		G	dSph	9h35m32.8s	-36m46m2.0s	Torrealba et al. (2019)	
Fornax		G	dSph	02h39m59.3s	-34d26m57s	Shapley (1938b)	
Leo IV		G	dSph	11h32m57.0s	-00d32m00s	Belokurov et al. (2007)	Binary w/ Leo V?
Canes Venatici II	SDSS J1257+3419	G	dSph	12h57m10.0s	+34d19m15s	Sakamoto & Hasegawa (2006) Belokurov et al. (2007)	
Leo V		G	dSph	11h31m09.6s	+02d13m12s	Belokurov et al. (2008)	Cluster? Binary w/ Leo IV?
Pisces II		G	dSph	22h58m31.0s	+05d57m09s	Belokurov et al. (2010)	Awaiting spectr. confirmation

Table 1—Continued

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Galaxy	Other names			R.A. J2000	Dec. J2000	Original Publication	Comments
Columba I	DES J0531-2801	G	dSph?	5h31m26.4s	-28d01m48s	Drlica-Wagner et al. (2015)	Cluster?
Pegasus 3		G	dSph?	22h24m22.6s	+5d25m12s	Kim et al. (2015a)	
Indus 2	DES J2038-4609	G	dSph?	20h38m52.8s	-46d09m36s	Drlica-Wagner et al. (2015)	Cluster?
Bootes 4		G	dSph	15h34m45.4s	43m43m34.0s	Homma et al. (2019)	
Canes Venatici (I)		G	dSph	13h28m03.5s	+33d33m21s	Zucker et al. (2006b)	
Leo II	Leo B UGC 6253 DDO 93	G	dSph	11h13m28.8s	+22d09m06s	Harrington & Wilson (1950)	
Cetus 3		G	dSph	2h5m19.4s	-4m16m12.0s	Homma et al. (2018)	
Leo I	UGC 5470 DDO 74 Regulus Dwarf	G/L	dSph	10h08m28.1s	+12d18m23s	Harrington & Wilson (1950)	
<i>The M31 sub-group (in order of distance from M31)</i>							
Andromeda	M31 NGC 224 UGC 454	A	Sb	00h42m44.3s	+41d16m09s	—	
M32	NGC 221 UGC 452	A	cE	00h42m41.8s	+40d51m55s	Legentil (1755)	
Andromeda IX		A	dSph	00h52m53.0s	+43d11m45s	Zucker et al. (2004)	
NGC 205	M110 UGC 426	A	dE/dSph	00h40m22.1s	+41d41m07s	Messier (1798)	
Andromeda I		A	dSph	00h45m39.8s	+38d02m28s	van den Bergh (1972)	
Andromeda XVII		A	dSph	00h37m07.0s	+44d19m20s	Irwin et al. (2008)	
Andromeda XXVII		A	dSph	00h37m27.1s	+45d23m13s	Richardson et al. (2011)	Tidally disrupting? Remnant?
Andromeda III		A	dSph	00h35m33.8s	+36d29m52s	van den Bergh (1972)	
Andromeda XXV		A	dSph	00h30m08.9s	+46d51m07s	Richardson et al. (2011)	
Andromeda XXVI		A	dSph	00h23m45.6s	+47d54m58s	Richardson et al. (2011)	
Andromeda V		A	dSph	01h10m17.1s	+47d37m41s	Armandroff et al. (1998)	
Andromeda XI		A	dSph	00h46m20.0s	+33d48m05s	Martin et al. (2006)	
Andromeda XIX		A	dSph	00h19m32.1s	+35d02m37s	McConnachie et al. (2008)	
Andromeda XXIII		A	dSph	01h29m21.8s	+38d43m08s	Richardson et al. (2011)	
Andromeda XX		A	dSph	00h07m30.7s	+35d07m56s	McConnachie et al. (2008)	

Table 1—Continued

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Galaxy	Other names			R.A. J2000	Dec. J2000	Original Publication	Comments
Andromeda XIII		A	dSph	00h51m51.0s	+33d00m16s	Martin et al. (2006)	In Pisces
Andromeda X		A	dSph	01h06m33.7s	+44d48m16s	Zucker et al. (2007)	
Andromeda XXI		A	dSph	23h54m47.7s	+42d28m15s	Martin et al. (2009)	
Andromeda XXXII	Casseopeia III	A	dSph?	00h35m59.4s	+51d33m35s	Martin et al. (2013b)	
NGC 147	UGC 326	A	dE/dSph	00h33m12.1s	+48d30m32s	Herschel (1833)	Binary w/ NGC185? Tidal stream
	DDO 3						
Andromeda XXX	Casseopeia II	A	dSph?	00h36m34.9s	+49d38m48s	Irwin et al. <i>in preparation</i> <sup>k</sup>	
Andromeda XIV		A/L	dSph	00h51m35.0s	+29d41m49s	Majewski et al. (2007)	Unbound to M31? In Pisces
Andromeda XII		A/L	dSph	00h47m27.0s	+34d22m29s	Martin et al. (2006)	Unbound to M31?
Andromeda XV		A	dSph	01h14m18.7s	+38d07m03s	Ibata et al. (2007)	
Andromeda II		A	dSph	01h16m29.8s	+33d25m09s	van den Bergh (1972)	In Pisces
NGC 185	UGC 396	A	dE/dSph	00h38m58.0s	+48d20m15s	Herschel (1789)	Binary w/ NGC147?
Andromeda XXIX		A	dSph	23h58m55.6s	+30d45m20s	Bell et al. (2011)	In Pegasus
Triangulum	M33	A	Sc	01h33m50.9s	+30d39m37s	Discovered by Hodierna, 1854	
	NGC 598						
	UGC 1117						
Andromeda XXIV		A	dSph	01h18m30.0s	+46d21m58s	Richardson et al. (2011)	
Andromeda VII	Casseopeia dSph	A	dSph	23h26m31.7s	+50d40m33s	Karachentsev & Karachentseva (1999)	
IC 10	UGC 192	A	dIrr	00h20m17.3s	+59d18m14s	Swift (1888)	
Andromeda XXXI	Lacerta I	A	dSph?	22h58m16.3s	+41d17m28s	Martin et al. (2013b)	
LGS 3 (Local Group Suspect 3)	Pisces (I)	A	dIrr/dSph	01h03m55.0s	+21d53m06s	Karachentseva (1976) Kowal et al. (1978)	
Andromeda VI	Pegasus dSph	A	dSph	23h51m46.3s	+24d34m57s	Karachentsev & Karachentseva (1999) Armandroff et al. (1999)	
Andromeda XXII		A	dSph	01h27m40.0s	+28d05m25s	Martin et al. (2009)	M33 satellite? In Pisces
<i>The rest of the Local Group and its neighbours (in order of distance from the barycenter of the Local Group)</i>							
Andromeda XVI		A/L	dSph	00h59m29.8s	+32d22m36s	Ibata et al. (2007)	In Pisces
Andromeda XXVIII		A/L	dSph?	22h32m41.2s	+31d12m58s	Slater et al. (2011)	In Pegasus
Andromeda XXXIII	Perseus I	A/L	dSph?	03h01m23.6s	+40d59m18s	Martin et al. (2013a)	
IC 1613	DDO 8	L	dIrr	01h04m47.8s	+02d07m04s	Wolf (1906)	
	UGC 668						
Phoenix		L/G	dIrr/dSph	01h51m06.3s	-44d26m41s	Schuster & West (1976) <sup>a</sup>	

Table 1—Continued

(1) Galaxy	(2) Other names	(3)	(4)	(5) R.A. J2000	(6) Dec. J2000	(7) Original Publication	(8) Comments
Eridanus 2	DES J0344.3-4331	L/G	dSph?	3h44m21.1s	-43d32m00s	Bechtol et al. (2015) Koposov et al. (2015)	
NGC 6822	IC 4895 DDO 209 Barnard’s Galaxy	L/G	dIrr	19h44m56.6s	-14d47m21s	Barnard (1884)	Polar ring morph.
Cetus		L	dSph	00h26m11.0s	-11d02m40s	Whiting et al. (1999)	Isolated dSph
Pegasus dIrr	UGC 12613 DDO 216	L/A	dIrr/dSph	23h28m36.3s	+14d44m35s	A.G. Wilson. Reported in Holmberg (1958)	
Leo T		L/G	dIrr/dSph	09h34m53.4s	+17d03m05s	Irwin et al. (2007)	
WLM (Wolf-Lundmark- -Melotte)	UGCA 444 DDO 221	L	dIrr	00h01m58.2s	-15d27m39s	Wolf (1910) Melotte (1926), including K.E. Lundmark	Defines $R_{LG}$
Andromeda XVIII		L	dSph	00h02m14.5s	+45d05m20s	McConnachie et al. (2008)	Isolated dSph
Leo A	Leo III UGC 5364 DDO 69	L	dIrr	09h59m26.5s	+30d44m47s	Zwicky (1942)	Defines $R_{LG}$
Aquarius	DDO 210	L	dIrr/dSph	20h46m51.8s	-12d50m53s	van den Bergh (1959)	Defines $R_{LG}$
Tucana		L	dSph	22h41m49.6s	-64d25m10s	Lavery (1990) <sup>b</sup>	Isolated dSph; defines $R_{LG}$
Sagittarius dIrr	UKS 1927-177	L	dIrr	19h29m59.0s	-17d40m41s	Cesarsky et al. (1977) Longmore et al. (1978)	Defines $R_{LG}$
UGC 4879	VV 124	L	dIrr/dSph	09h16m02.2s	+52d50m24s	Kopylov et al. (2008) <sup>c</sup>	Defines $R_{LG}$
Antlia B		N	dSph?	9h48m56.1s	-25d59m24s	Sand et al. (2015)	Loose NGC3109 subgroup
NGC 3109	DDO 236 UGCA 194	N	dIrr	10h03m06.9s	-26d09m35s	Herschel (1847)	Loose NGC 3109 subgroup. Interacting with Antlia?
Sextans B	UGC 5373 DDO 70	N	dIrr	10h00m00.1s	+05d19m56s	A.G. Wilson? See Holmberg (1958) <sup>d</sup>	Loose NGC 3109 subgroup
Antlia		N	dIrr	10h04m04.1s	-27d19m52s	Whiting et al. (1997) <sup>e</sup>	Loose NGC 3109 subgroup. Interacting with NGC3109?
Sextans A	UGCA 205 DDO 75	N	dIrr	10h11m00.8s	-04d41m34s	Zwicky (1942)	Loose NGC 3109 sub-group
HIZSS 3(A)		N	(d)Irr?	07h00m29.3s	-04d12m30s	Henning et al. (2000) <sup>f</sup>	Zone of obscuration. Binary with B?
HIZSS 3B		N	(d)Irr?	07h00m29.3s	-04d12m30s	Henning et al. (2000) <sup>g</sup>	Zone of obscuration. Binary with A?
ESO 410- G 005	UKS 0013-324	N	dIrr/dSph	00h15m31.6s	-32d10m48s	Lauberts (1982) Longmore et al. (1982)	NGC 55 sub-group, forming “bridge” to Sculptor?
KKR 25		N	dIrr/dSph	16h13m48.0s	+54d22m16s	Karachentsev et al. (2001b)	

Table 1—Continued

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Galaxy	Other names			R.A. J2000	Dec. J2000	Original Publication	Comments
NGC 55		N	Irr	00h14m53.6s	-39d11m48s	Dunlop (1828)	NGC 55 sub-group, forming “bridge” to Sculptor?
Leo P		N	dIrr	10h21m45.1s	+18d05m17s	Giovanelli et al. (2013)	
ESO 294- G 010		N	dIrr/dSph	00h26m33.4s	-41d51m19s	Lauberts (1982)	NGC 55 sub-group, forming “bridge” to Sculptor?
NGC 300		N	Sc	00h54m53.5s	-37d41m04s	Dunlop (1828)	NGC 55 sub-group, forming “bridge” to Sculptor?
IC 5152		N	dIrr	22h02m41.5s	-51d17m47s	D. Stewart. Reported in Pickering (1899)	
KKH 98		N	dIrr	23h45m34.0s	+38d43m04s	Karachentsev et al. (2001a)	
UKS 2323-326	UGCA 438	N	dIrr	23h26m27.5s	-32d23m20s	Longmore et al. (1978)	NGC 55 sub-group, forming “bridge” to Sculptor?
KK 258	ESO468-020	N	dSph	22h40m43.9s	-30d47m59s	Karachentsev et al. (2014)	
KKR 3	KK 230	N	dIrr	14h07m10.5s	+35d03m37s	Karachentseva & Karachentsev (1998) <sup>b</sup>	Member of the Canes Venatici I cloud
KKs3	[KK2000] 03	N	dIrr/dSph	2h24m44.4s	-73d30m51s	Karachentsev et al. (2015)	
GR 8	UGC 8091	N	dIrr	12h58m40.4s	+14d13m03s	Reaves (1956) <sup>i</sup>	Gibson Reaves gave this galaxy his initials
	VV 558						
	DDO 155						
UGC 9128	DDO 187	N	dIrr	14h15m56.5s	+23d03m19s	van den Bergh (1959)	
UGC 8508		N	dIrr	13h30m44.4s	+54d54m36s	Vorontsov-Vel’Yaminov & Krasnogorskaya (1962)	
IC 3104	ESO 020- G 004	N	dIrr	12h18m46.0s	-79d43m34s	D. Stewart. Reported in Pickering (1908)	
	UKS 1215-794						
DDO 125	UGC 7577	N	dIrr	12h27m40.9s	+43d29m44s	van den Bergh (1959)	
UGCA 86		N	dIrr	03h59m48.3s	+67d08m19s	Nilson (1974)	Companion of IC 342
DDO 99	UGC 6817	N	dIrr	11h50m53.0s	+38d52m49s	van den Bergh (1959)	
IC 4662	ESO 102- G 014	N	dIrr	17h47m08.8s	-64d38m30s	R. Innes. Reported in Lunt (1902)	
DDO 190	UGC 9240	N	dIrr	14h24m43.4s	+44d31m33s	van den Bergh (1959)	
KKH 86		N	dIrr	13h54m33.5s	+04d14m35s	Karachentsev et al. (2001a)	
NGC 4163	UGC 7199	N	dIrr	12h12m09.1s	+36d10m09s	Herschel (1789)	
	NGC 4167 <sup>j</sup>						
DDO 113	UGCA 276	N	dIrr	12h14m57.9s	+36d13m08s	van den Bergh (1959)	
	KDG 90						

<sup>a</sup>Originally thought to be a globular cluster. Canterna & Flower (1977) subsequently identified its galactic nature.

<sup>b</sup>This author first suggested that this object is a member of the Local Group, but it had previously been cataloged by Corwin et al. (1985).

<sup>c</sup>These authors calculate a new distance to UGC 4879 and show it is on the periphery of the Local Group. While included in the “Atlas and Catalog of Interacting Galaxies” by Vorontsov-Velyaminov (1959), earlier references to this object have not been found.

<sup>d</sup>Holmberg (1958) credits Wilson (1955) with discovery, but this object is not listed in this manuscript.

<sup>e</sup>These authors rediscovered this galaxy and showed that it was in the periphery of the Local Group, but it had earlier been catalogued by Corwin et al. (1985), Feitzinger & Galinski (1985) and Arp & Madore (1987).

<sup>f</sup>HIZSS 3 resolved into two sources by Begum et al. (2005). Position corresponds to the “HIZSS3 system”.

<sup>g</sup>HIZSS 3 resolved into two sources by Begum et al. (2005). Position corresponds to the “HIZSS3 system”.

<sup>h</sup>See also Karachentseva et al. (1999).

<sup>i</sup>Discovered on inspection of photographic plates from a survey discussed in Shane (1947). C.D. Shane speculated that some of the nebulae that were visible could be Local Group dwarf galaxies.

<sup>j</sup>The original coordinates of NGC 4167 are coincident with the coordinates of NGC 4163, but Sulentic & Tift (1973) note that NGC 4167 is “non-existent.”

<sup>k</sup>See Conn et al. (2012) and Collins et al. (2013) for more details.

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