

Table 1. Parameters for a subset of the sample galaxies. Coordinates of galaxies (RA and Dec), the magnitude of light absorption in the direction of the galaxies (A_B and $E(V - I)$) and apparent magnitudes of galaxies (B_t) are taken from the NED (<https://ned.ipac.caltech.edu/>) and HyperLEDA (<http://leda.univ-lyon1.fr/>) databases, and the moduli of the distances ($m - M$), the distances to galaxies (D) and the absolute luminosities of the galaxies (M_B) were obtained by us

Number	Galaxy	α	δ	$(m - M)$	D	A_B	$E(V - I)$	B_t	M_B^{gal}
1	AGC 102728	00 00 21.4	+31 01 18.7	29.73	8.84	0.17	0.057	19.45	−10.45
2	ESO 349-031	00 08 13.5	−34 34 43.6	27.21	2.77	0.04	0.015	15.69	−11.56
3	NGC 24	00 09 56.4	−24 57 49.8	29.35	7.42	0.07	0.024	12.08	−17.34
4	UGC 288	00 29 04.1	+43 25 50.7	29.17	6.82	0.28	0.138	16.00	−13.45
5	IC 1574	00 43 03.7	−22 14 51.4	27.85	3.73	0.06	0.019	14.47	−13.44
6	DDO 6	00 49 49.7	−21 00 47.1	27.52	3.19	0.06	0.021	14.99	−12.59
7	IC 1613	01 04 47.8	+02 07 03.6	24.48	0.79	0.09	0.030	10.01	−14.56
8	UGC 685	01 07 22.4	+16 41 02.0	28.27	4.51	0.21	0.071	14.37	−14.11
9	KKH 6	01 34 51.6	+52 05 30.0	27.91	3.81	1.27	0.434	17.00	−12.18
10	PGC 6430	01 45 03.9	−43 35 54.9	28.30	4.57	0.06	0.020	12.80	−15.55
11	UGC 1281	01 49 31.6	+32 35 19.8	28.57	5.17	0.17	0.059	13.07	−15.67
12	NGC 784	02 01 16.9	+28 50 13.9	28.53	5.09	0.21	0.073	12.22	−16.52
13	Cas 1	02 06 05.4	+69 00 11.8	28.19	4.34	3.69	1.268	15.84	−16.04
14	PGC 9962	02 37 49.6	−61 19 53.9	28.43	4.85	0.11	0.032	13.17	−15.37
15	NGC 1087	02 46 25.2	−00 29 55.4	30.09	10.41	0.13	0.043	11.52	−18.70
16	AGC 123352	02 48 39.2	+23 16 27.1	29.64	8.47	0.90	0.305	18.86	−11.68
17	ESO 154-023	02 56 50.20	−54 34 14.5	28.75	5.62	0.06	0.020	12.75	−16.06
18	ESO 199-007	02 58 04.14	−49 22 56.6	28.95	6.18	0.08	0.027	16.45	−12.58
19	NGC 1311	03 20 06.97	−52 11 08.1	28.59	5.22	0.08	0.027	13.40	−15.27
20	IC 1954	03 31 31.41	−51 54 17.6	30.59	13.12	0.06	0.021	12.13	−18.52
21	IC 1959	03 33 12.65	−50 24 51.5	28.87	5.95	0.04	0.013	13.19	−15.72
22	NGC 1569	04 30 49.16	+64 50 53.3	27.40	3.03	2.52	0.859	11.79	−18.13
23	NGC 1560	04 32 49.05	+71 52 59.0	27.80	3.63	0.68	0.231	12.11	−16.37
24	ESO 252-001	04 56 58.72	−42 48 13.9	29.11	6.63	0.05	0.016	14.40	−14.76
25	ESO 553-046	05 27 05.75	−20 40 40.3	29.11	6.64	0.16	0.056	14.64	−14.63
26	ESO 364-029	06 05 44.97	−33 04 53.8	29.74	8.87	0.16	0.056	13.61	−16.30
27	PGC 18431	06 07 19.74	−34 12 15.7	29.87	9.41	0.13	0.045	15.66	−14.34
28	ESO 121-020	06 15 54.34	−57 43 32.0	28.68	5.44	0.15	0.051	15.73	−13.10
29	ESO 489-056	06 26 17.01	−26 15 56.3	28.99	6.29	0.23	0.078	16.55	−12.67
30	ESO 490-017	06 37 57.08	−26 00 00.7	28.90	6.03	0.28	0.095	13.62	−15.56
31	KKH 37	06 47 45.66	+80 07 26.2	27.57	3.27	0.27	0.092	16.40	−11.44
32	UGC 3600	06 55 39.99	+39 05 42.7	30.33	11.67	0.34	0.115	16.47	−14.06

Table 1. (To be continued)

Number	Galaxy	α	δ	$(m - M)$	D	A_B	$E(V - I)$	B_t	M_B^{gal}
33	UGC 3698	07 09 18.25	+44 22 48.1	30.42	12.11	0.35	0.119	15.73	-14.96
34	NGC 2337	07 10 13.57	+44 27 26.4	30.07	10.33	0.32	0.108	13.02	-17.53
35	UGC 3755	07 13 51.67	+10 31 16.7	29.38	7.51	0.32	0.020	14.60	-15.10
36	NGC 2366	07 28 54.04	+69 12 54.0	27.60	3.34	0.13	0.045	11.56	-16.17
37	ESO 059-001	07 31 18.48	-68 11 15.0	28.31	4.60	0.54	0.182	13.75	-15.10
38	AGC 174585	07 36 10.29	+09 59 11.2	29.48	7.86	0.14	0.047	18.21	-11.41
39	NGC 2403	07 36 51.40	+65 36 08.8	27.54	3.22	0.15	0.050	8.83	-18.86
40	UGC 3966	07 41 25.89	+40 06 42.9	30.13	10.64	0.18	0.062	14.44	-15.87
41	UGC 3974	07 41 55.40	+16 48 09.1	29.50	7.93	0.12	0.041	13.74	-15.88
42	UGC 4115	07 57 02.17	+14 23 27.7	29.36	7.46	0.10	0.051	14.68	-14.78
43	IC 2233	08 13 58.88	+45 44 30.7	30.13	10.61	0.19	0.061	12.45	-17.87
44	Ho II	08 19 04.32	+70 43 18.2	27.59	3.28	0.12	0.039	11.16	-16.55
45	DDO 52	08 28 28.48	+41 51 24.3	29.95	9.78	0.13	0.045	15.17	-14.91
46	DDO 53	08 34 06.48	+66 10 48.1	27.69	3.46	0.14	0.046	14.76	-13.07
47	UGC 4459	08 34 06.48	+66 10 48.1	27.70	3.46	0.14	0.046	14.76	-13.08
48	LSBCD 564-08	09 02 53.73	+20 04 30.7	29.62	8.40	0.11	0.038	17.12	-12.61
49	LSBCD 634-03	09 08 53.67	+14 34 58.3	29.39	7.54	0.14	0.048	18.27	-11.26
50	AGC 739005	09 13 38.98	+19 37 07.8	29.47	7.83	0.16	0.054	17.34	-12.29
51	AGC 198507	09 15 25.79	+25 25 10.4	30.37	11.85	0.12	0.041	18.80	-11.69
52	NGC 2835	09 17 52.89	-22 21 16.3	26.47	12.22	0.36	0.123	11.06	-15.77
53	LSBCD 565-06	09 19 30.36	+21 36 12.9	29.69	8.68	0.14	0.047	17.08	-12.75
54	AGC 198508	09 22 56.97	+24 56 48.5	30.09	9.97	0.13	0.044	17.96	-12.26
55	Ho I	09 40 32.28	+71 11 00.1	28.00	3.99	0.18	0.062	13.37	-14.81
56	NGC 2976	09 47 15.50	+67 54 58.7	27.76	3.57	0.26	0.088	10.81	-17.21
57	UGC 5288	09 51 17.20	+07 49 33.9	30.50	12.62	0.12	0.042	14.45	-15.94
58	6dF J0956376	09 56 37.57	-09 29 10.5	29.90	9.54	0.23	0.080	15.89	-14.24
59	AGC 205590	10 00 36.56	+30 32 10.1	29.95	9.34	0.07	0.023	18.09	-11.93
60	NGC 3109	10 03 06.89	-26 09 34.0	25.67	1.36	0.24	0.083	10.39	-15.52
61	UGC 5427	10 04 40.93	+29 21 51.9	30.27	11.29	0.08	0.028	15.07	-15.28
62	UGC 5423	10 05 30.82	+70 21 52.2	29.82	9.21	0.30	0.101	15.06	-15.06
63	UGC 5456	10 07 19.47	+10 21 45.9	30.00	10.00	0.15	0.050	13.73	-16.50
64	AGC 200232	10 17 26.50	+29 22 11.0	30.01	10.06	0.11	0.037	16.72	-13.40
65	AGC 731448	10 23 44.97	+27 06 39.8	29.94	9.73	0.10	0.034	17.01	-13.03
66	DDO 82	10 30 34.79	+70 37 17.2	28.00	3.99	0.15	0.051	13.51	-14.64

Table 1. (To be continued)

Number	Galaxy	α	δ	$(m - M)$	D	A_B	$E(V - I)$	B_t	M_B^{gal}
67	UGC 5797	10 39 25.21	+01 43 07.4	29.99	9.97	0.12	0.039	14.86	-15.25
68	ESO 376-016	10 43 27.26	-37 02 37.7	29.20	6.93	0.21	0.072	15.45	-13.96
69	ESO 318-013	10 47 41.60	-38 51 13.0	29.17	6.83	0.28	0.095	15.03	-14.42
70	AGC 740112	10 49 55.40	+23 04 06.2	29.98	9.90	0.16	0.055	17.92	-12.22
71	ESO 215-009	10 57 30.00	-48 11 01.7	28.44	4.88	0.80	0.257	16.08	-13.16
72	VII Zw 403	11 27 59.66	+78 59 38.3	28.09	4.15	0.14	0.047	15.25	-12.98
73	HIPASS 1133-32	11 33 10.96	-32 57 44.7	28.80	5.74	.23	0.077	17.04	-11.99
74	NGC 3738	11 35 48.81	+54 31 28.2	28.60	5.25	0.04	0.012	11.55	-17.09
75	ESO 320-014	11 37 53.19	-39 13 13.6	28.57	5.18	0.52	0.177	15.95	-13.14
76	ESO 379-007	11 54 43.24	-33 33 32.1	28.61	5.27	0.27	0.092	16.61	-12.27
77	LV J1157+5638	11 57 54.16	+56 38 17.0	29.47	7.83	0.07	0.021	17.18	-12.36
78	ESO 572-034	11 58 58.12	-19 01 47.7	30.19	10.91	0.14	0.049	14.26	-16.07
79	NGC 4068	12 04 01.98	+52 35 21.1	28.15	4.27	0.08	0.027	13.07	-15.16
80	AGC 731921	12 05 34.27	+28 13 56.2	29.98	9.89	0.08	0.026	16.64	-13.42
81	AGC 747826	12 07 49.99	+31 33 07.9	30.40	12.01	0.07	0.025	17.67	-12.80
82	NGC 4144	12 09 58.48	+46 27 26.6	29.28	7.17	0.05	0.019	12.04	-17.29
83	NGC 4163	12 12 09.09	+36 10 06.8	27.28	2.85	0.07	0.025	13.70	-13.65
84	PGC 39032	12 13 49.69	-38 13 51.3	27.42	3.05	0.34	0.117	15.22	-12.54
85	UGC 7242	12 14 08.42	+66 05 41.1	28.55	5.14	0.07	0.033	14.92	-13.70
86	AGC 229053	12 18 15.49	+25 34 05.1	30.21	11.02	0.01	0.035	17.90	-12.32
87	UGC 7408	12 21 15.24	+45 48 43.4	29.44	7.75	0.04	0.014	13.55	-15.93
88	AGC 223231	12 22 52.68	+33 49 44.4	29.26	7.13	0.05	0.014	17.50	-11.81
89	NGC 4321	12 22 54.89	+15 49 20.3	26.97	15.44	0.10	0.033	10.01	-17.06
90	NGC 4395	12 25 48.91	+33 32 48.7	28.54	5.17	0.06	0.021	10.84	-17.76
91	UGCA 281	12 26 16.24	+48 29 38.1	28.61	5.27	0.05	0.018	14.55	-14.11
92	AGC 223254	12 28 05.07	+22 17 28.2	28.94	6.15	0.08	0.026	16.55	-12.47
93	NGC 4449	12 28 11.11	+44 05 37.3	28.11	4.19	0.07	0.024	9.50	-18.68
94	PGC 41093	12 28 52.33	+42 10 40.8	29.76	8.97	0.09	0.030	15.48	-14.24
95	AGC 229379	12 30 34.01	+23 12 20.2	29.03	6.40	0.06	0.022	18.70	-10.39
96	PGC 42134	12 37 21.82	+38 44 37.8	28.89	6.00	0.05	0.017	15.70	-13.24
97	NGC 4605	12 39 59.35	+61 36 33.2	28.71	5.53	0.05	0.018	10.82	-17.94
98	ESO 381-018	12 44 42.53	-35 57 59.7	28.42	4.84	0.28	0.096	15.77	-12.93
99	ESO 381-020	12 46 00.40	-33 50 17.0	28.67	5.43	0.24	0.081	14.23	-14.68
100	HIPASS 1247-77	12 47 33.80	-77 34 57.2	27.32	2.92	2.79	1.050	17.00	-13.11

Table 1. (To be continued)

Number	Galaxy	α	δ	$(m - M)$	D	A_B	$E(V - I)$	B_t	M_B^{gal}
101	AGC 742601	12 49 36.87	+21 55 05.6	29.00	6.31	0.13	0.043	17.46	-11.67
102	ESO 443-009	12 54 53.57	-28 20 26.7	28.72	5.55	0.23	0.079	17.09	-11.86
103	GR 8	12 58 40.21	+14 13 02.5	26.65	2.14	0.09	0.032	14.69	-12.05
104	KK 182	13 05 02.25	-40 04 56.7	28.77	5.66	0.37	0.127	16.20	-12.94
105	DDO 165	13 06 24.94	+67 42 25.2	28.27	4.51	0.09	0.029	12.93	-15.43
106	UGC 8215	13 08 03.58	+46 49 40.9	27.88	3.76	0.04	0.013	15.94	-11.98
107	UGC 8245	13 08 36.28	+78 56 14.5	28.35	4.68	0.12	0.040	14.62	-13.85
108	ESO 269-058	13 10 32.95	-46 59 32.7	27.89	3.78	0.39	0.134	13.21	-15.07
109	NGC 5023	13 12 11.74	+44 02 15.9	29.02	6.38	0.07	0.022	12.82	-16.27
110	NGC 5011c	13 13 11.43	-43 15 54.0	27.90	3.80	0.44	0.150	14.34	-14.00
111	UGC 8331	13 15 29.78	+47 29 58.9	28.06	4.10	0.03	0.012	14.62	-13.47
112	NGC 5068	13 18 54.89	-21 02 20.3	28.55	5.14	0.37	0.127	10.64	-18.28
113	KK 196	13 21 47.04	-45 03 44.9	27.87	3.75	0.30	0.103	16.05	-12.12
114	IC 4247	13 26 44.44	-30 21 45.1	28.50	5.01	0.24	0.081	14.43	-14.31
115	AGC 238890	13 32 30.35	+25 07 24.5	28.53	5.08	0.05	0.016	17.26	-11.32
116	NGC 5238	13 34 42.52	+51 36 49.4	28.15	4.25	0.04	0.023	13.94	-14.25
117	ESO 444-078	13 36 30.88	-29 14 06.8	28.62	5.30	0.19	0.066	15.48	-13.33
118	NGC 5237	13 37 39.03	-42 50 49.0	27.60	3.31	0.36	0.122	13.23	-14.73
119	UGC 8638	13 39 19.33	+24 46 27.9	28.03	4.03	0.05	0.016	14.48	-13.60
120	UGC 8651	13 39 53.83	+40 44 21.1	27.44	3.07	0.02	0.008	14.65	-12.81
121	NGC 5253	13 39 56.00	-31 38 23.9	27.83	3.68	0.20	0.069	10.80	-17.23
122	NGC 5264	13 41 36.74	-29 54 45.6	28.43	4.84	0.18	0.076	12.59	-16.05
123	HIPASS 1348-37	13 48 33.55	-37 58 04.6	28.73	5.56	0.28	0.097	17.21	-11.80
124	UGC 8760	13 50 51.17	+38 01 16.2	27.41	3.04	0.06	0.020	14.49	-12.98
125	HIPASS 1351-47	13 51 21.98	-47 00 03.3	28.57	5.17	0.52	0.179	17.75	-11.34
126	Ho IV	13 54 45.77	+53 54 09.3	29.24	7.06	0.05	0.018	13.78	-15.51
127	UGC 8833	13 54 48.52	+35 50 15.9	27.44	3.08	0.04	0.014	15.30	-12.18
128	ESO 384-016	13 54 48.52	+35 50 15.9	28.25	4.47	0.27	0.092	14.92	-13.60
129	DDO 187	14 15 56.51	+23 03 20.2	26.73	2.22	0.08	0.028	14.56	-12.25
130	DDO 190	14 24 43.57	+44 31 33.5	27.22	2.78	0.05	0.016	13.40	-13.87
131	ESO 223-009	15 01 08.59	-48 17 30.5	28.96	6.20	0.94	0.321	13.82	-16.08
132	ESO 274-001	15 14 13.40	-46 48 32.9	27.30	2.89	0.91	0.312	11.72	-16.49
133	ESO 137-018	16 20 59.18	-60 29 12.9	28.89	5.99	0.89	0.302	12.32	-17.46
134	IC 4662	17 47 09.10	-64 38 24.2	26.74	2.23	0.25	0.087	11.80	-15.19

Table 1. (To be continued)

Number	Galaxy	α	δ	$(m - M)$	D	A_B	$E(V - I)$	B_t	M_B^{gal}
135	NGC 6503	17 49 26.56	+70 08 39.6	28.95	6.16	0.12	0.040	10.86	-18.21
136	ESO 104-022	18 55 41.14	-64 48 41.1	29.82	9.19	0.30	0.102	15.63	-14.49
137	UGC 11411	19 08 43.14	+70 17 01.5	28.83	5.83	0.43	0.148	14.37	-14.89
138	NGC 6789	19 16 41.63	+63 58 19.8	27.86	3.74	0.25	0.084	13.83	-14.28
139	SagDIG	19 29 59.01	-17 40 44.5	25.26	1.13	0.45	0.152	13.89	-11.82
140	KK 246	20 03 56.29	-31 41 03.6	29.34	7.38	1.10	0.376	17.07	-13.37
141	NGC 4244	20 52 04.48	-69 12 00.4	28.16	4.29	0.08	0.026	10.44	-17.80
142	IC 5052	20 52 04.48	-69 12 00.4	28.78	5.70	0.18	0.063	11.69	-17.27
143	ESO 238-05	22 22 30.48	-48 24 14.6	29.54	8.08	0.05	0.016	15.30	-14.29
144	UGCA 438	23 26 27.87	-32 23 19.1	26.73	2.21	0.05	0.018	14.03	-12.75
145	IC 5332	23 34 27.49	-36 06 05.6	29.90	9.56	0.06	0.021	11.27	-18.69
146	LV J2335-3713	23 35 04.26	-37 13 14.2	29.39	7.53	0.06	0.020	17.09	-12.36
147	UGCA 442	23 43 46.35	-31 57 25.2	28.36	4.69	0.06	0.021	13.60	-14.82
148	KKH 98	23 45 34.40	+38 43 04.0	27.04	2.56	0.45	0.152	16.70	-10.79
149	ESO 149-003	23 52 02.87	-52 34 38.2	29.05	6.46	0.05	0.017	15.02	-14.08