

The Galaxy Morphology Website  
<http://bama.ua.edu/~rbuta/devatlas/>

*The de Vaucouleurs Atlas of Galaxies*

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List of Galaxy Classifications

(Table 4 of book)

TABLE 4  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 1	SA(s)b	R. Buta, E. Laurikainen, L. Pelttari
NGC 45	SA(s)d	Larsen and Richtler (1999)
NGC 53	(R')SB(r)ab	D. A. Crocker, G. B. Purcell
NGC 150	SB(s)b pec	Eskridge et al. (2002)
NGC 151	SB(rs)bc	SDSS
NGC 157	SA(s)c	S. D. Ryder, M. L. Cobb
NGC 210	(R' <sub>2</sub> )SAB(s)b	D. A. Crocker, L. V. Jones
NGC 221	cE2	S. C. Odewahn
NGC 224	SA(s)b	A. Block
NGC 244	Clumpy Irr/BCD	D. A. Hunter
NGC 247	SAB(s)d	Larsen and Richtler (1999)
NGC 253	SAB(s)c	J.-C. Cuillandre/B. Madore/2MASS
NGC 266	SB(rs)ab	B. Canzian
NGC 278	SA(rs)b	Eskridge et al. (2002)
NGC 289	SB(rs)bc	R. B. Tully
NGC 300	SA(s)d	Larsen and Richtler (1999)
NGC 309	SAB(r)c	SDSS
NGC 428	SAB(s)m	Eskridge et al. (2002)
NGC 536	(R' <sub>1</sub> )SAB(r)ab	R. B. Tully
NGC 578	SB(s)cd	Eskridge et al. (2002)
NGC 584	SA0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 598	SA(s)cd	A. Block
NGC 613	SB(rs)bc	Eskridge et al. (2002)
NGC 619	(R' <sub>1</sub> )SB(rs)ab	D. A. Crocker, L. V. Jones
NGC 625	IB:(s)m sp	Eskridge et al. (2002)
NGC 628	SA(s)c	Kennicutt et al. (2003)
NGC 678	Sa sp	Tonry et al. (1997, 2001)
NGC 685	SB(rs)cd	Eskridge et al. (2002)
NGC 718	(R')SAB(rs)a	E. Laurikainen
NGC 720	E5	Tonry et al. (1997, 2001)
NGC 779	SAB(rs)b	Eskridge et al. (2002)
NGC 799	SAB(l)a	SDSS
NGC 864	SAB(rs)c	Eskridge et al. (2002)
NGC 891	Sb sp	C. Howk, B. Savage
NGC 908	SA(s)c	Eskridge et al. (2002)
NGC 925	SAB(s)d	Kennicutt et al. (2003)
NGC 936	SB(rs)0 <sup>+</sup>	E. Laurikainen
NGC 1003	SAB(s):d	Eskridge et al. (2002)
NGC 1022	(R)SB(rs)a pec	E. Laurikainen
NGC 1023	SB0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 1042	SAB(s)c	Eskridge et al. (2002)
NGC 1052	E4	Tonry et al. (1997, 2001)
NGC 1055	Sab sp	SDSS
NGC 1068	(R)SA(rs)b	R. Grouchy, R. Buta
NGC 1073	SB(rs)cd	Eskridge et al. (2002)

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 1079	(R <sub>1</sub> R' <sub>2</sub> )SAB(rs)a	D. A. Crocker, L. V. Jones
NGC 1084	SA(s)c	Eskridge et al. (2002)
NGC 1087	SAB(rs)c	Eskridge et al. (2002)
NGC 1097	(R' <sub>1</sub> )SB(rs)b	Kennicutt et al. (2003)
NGC 1156	IB(s)m	D. A. Hunter
NGC 1161	SA(r)0 <sup>+</sup>	E. Laurikainen
NGC 1187	SB(rs)c	Eskridge et al. (2002)
NGC 1199	E3	Tonry et al. (1997, 2001)
NGC 1209	E <sup>+</sup> 6	Tonry et al. (1997, 2001)
NGC 1211	(R <sub>1</sub> R' <sub>2</sub> )SB(rl)0/a	SDSS
NGC 1241	SAB(rs)b	Eskridge et al. (2002)
NGC 1288	SAB(rs)bc	G. B. Purcell
NGC 1291	(R)SAB(l)0/a	R. Grouchy, R. Buta
NGC 1297	SA0 <sup>+</sup> pec	Tonry et al. (1997, 2001)
NGC 1300	SB(s)b	R. B. Tully
NGC 1302	(R' <sub>2</sub> )SAB(rs)0/a	Eskridge et al. (2002)
NGC 1313	SB(s)dm	Kuchinski et al. (1999)
NGC 1317	(R')SAB(rl)a	Kennicutt et al. (2003)
NGC 1326	(R <sub>1</sub> )SAB(r)0/a	E. Laurikainen, T. Speltincox
NGC 1350	(R' <sub>1</sub> )SAB(r)ab	Eskridge et al. (2002)
NGC 1358	(R')SB(s)a	C. Cardemone
NGC 1365	SB(s)bc	Kuchinski et al. (2000)
NGC 1369	SAB(s)a	D. A. Crocker, L. V. Jones
NGC 1371	(R')SAB(rs)a	Eskridge et al. (2002)
NGC 1374	E <sup>+</sup> 0	Tonry et al. (1997, 2001)
NGC 1379	E0	Tonry et al. (1997, 2001)
NGC 1387	SB0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 1398	(R')SB(rs)ab	D. A. Crocker, L. V. Jones
NGC 1399	E0	Tonry et al. (1997, 2001)
NGC 1400	SA0 <sup>-</sup>	E. Laurikainen
NGC 1404	E1	Tonry et al. (1997, 2001)
NGC 1407	E0	Tonry et al. (1997, 2001)
NGC 1411	SA(l)0 <sup>o</sup>	Tonry et al. (1997, 2001)
NGC 1415	(R)SAB(rs)a	E. Laurikainen
NGC 1421	SB(s)c	Eskridge et al. (2002)
NGC 1426	E4	Tonry et al. (1997, 2001)
NGC 1433	(R' <sub>1</sub> )SB(r)ab	D. A. Crocker, L. V. Jones
NGC 1452	(R')SB(r)a	E. Laurikainen
NGC 1493	SB(rs)cd	Eskridge et al. (2002)
NGC 1510	SA(s)0/a pec	Kennicutt et al. (2003)
NGC 1511	SB(s)dm: pec sp	Eskridge et al. (2002)
NGC 1512	(R')SB(r)ab pec	Kuchinski et al. (2000), Kennicutt et al. (2003)
NGC 1527	SAB0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 1530	SB(rs)b	E. Laurikainen, R. Buta, L. Pelttari
NGC 1531	l0 pec or SB0 pec	Tonry et al. (1997, 2001)

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 1532	SB(s)b pec sp	Tonry et al. (1997, 2001)
NGC 1533	(RL)SB0 <sup>o</sup>	Tonry et al. (1997, 2001)
NGC 1537	E5 (twist) or SAB0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 1543	(R)SB(l)0/a	D. A. Crocker, L. Jones
NGC 1553	SA( <u>rl</u> )0 <sup>+</sup>	R. Grouchy, R. Buta, Tonry et al. (1997, 2001)
NGC 1559	SB(s)cd	Eskridge et al. (2002)
NGC 1560	Sd/Sm sp	R. B. Tully
NGC 1566	(R' <sub>1</sub> )SAB(s)bc	Grouchy and Buta, Kennicutt et al (2003)
NGC 1569	IB(s)m	R. B. Tully
NGC 1574	SB0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 1596	S0 <sup>-</sup> sp	Tonry et al. (1997, 2001)
NGC 1602	IB(s)m	Tonry et al. (1997, 2001)
NGC 1617	(R')SAB(rs)a	Tonry et al. (1997, 2001)
NGC 1637	SAB( <u>rs</u> )c	Eskridge et al. (2002)
NGC 1640	(R')SB(r)b	D. A. Crocker, L. V. Jones
NGC 1703	SA(s)c	Eskridge et al. (2002)
NGC 1705	I0 pec/BCD	Gil de Paz et al. (2003)
NGC 1792	SA(s)c	Eskridge et al. (2002)
NGC 1808	(R <sub>1</sub> )SAB(s)b pec	Eskridge et al. (2002)
NGC 2090	SA(rs)c	R. B. Tully
NGC 2139	SB(s)d	Eskridge et al. (2002)
NGC 2196	SA(rs)ab	E. Laurikainen
NGC 2207	SAB(rs)bc	Eskridge et al. (2002)
NGC 2217	(R)SB( <u>rs</u> )0/a	S. C. Odewahn
NGC 2227	SB( <u>rs</u> )cd	R. B. Tully
NGC 2268	SAB(rs)bc	R. B. Tully
NGC 2273	(RR)SAB(rs)a	Erwin and Sparke (2003)
NGC 2307	SB( <u>rs</u> )ab	D. A. Crocker, L. V. Jones
NGC 2336	SAB( <u>rs</u> )bc	R. B. Tully
NGC 2403	SAB(s)d	A. Block/Larsen and Richtler (1999)
NGC 2442	SAB(s)bc pec	Eskridge et al. (2002)
NGC 2445	Pec	SDSS
NGC 2523	SB(r)b	E. Laurikainen, R. Buta, L. Pelttari
NGC 2537	SB(s)m pec/BCD	SDSS
NGC 2665	(R' <sub>1</sub> )SAB(rs)ab	R. Buta, D. A. Crocker
NGC 2672	E1-2	Tonry et al. (1997, 2001)
NGC 2681	(R)SAB( <u>rs</u> )0/a	E. Laurikainen
NGC 2685	(R)SB0 <sup>+</sup> pec/PRG	SDSS
NGC 2713	(R' <sub>1</sub> )SB(rs)ab	R. B. Tully
NGC 2748	SAB:(s):c	R. B. Tully
NGC 2768	SA0 <sup>-</sup>	SDSS
NGC 2775	SA(l)ab	Eskridge et al. (2002)
NGC 2784	SA(l)0 <sup>o</sup>	Tonry et al. (1997, 2001)
NGC 2835	SAB(rs)cd	D. A. Crocker, L. V. Jones
NGC 2841	SA(r)b	Murphy, Dale, Smith

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 2855	(R)SA(r)0/a	E. Laurikainen
NGC 2859	(R)SB(rl)0 <sup>+</sup>	E. Laurikainen
NGC 2865	Pec or E(shell)	Tonry et al. (1997, 2001)
NGC 2935	(R' <sub>2</sub> )SAB(s)b	R. Buta, D. A. Crocker
NGC 2962	(R')SAB(rs)0/a	Tonry et al. (1997, 2001)
NGC 2964	SAB(rs)b	Eskridge et al. (2002)
NGC 2976	SAd pec	Kennicutt et al. (2003)
NGC 2983	(L)SB(s)0 <sup>+</sup>	R. Buta, D. A. Crocker
NGC 2997	SAB(s)c	Larsen and Richtler (1999)
NGC 3021	SA(s)bc	R. B. Tully
NGC 3031	SA(s)ab	B. Canzian
NGC 3034	I0 sp	Cheng et al. (1997)
NGC 3059	(R' <sub>2</sub> )SB(s)cd	Eskridge et al. (2002)
NGC 3077	I0 pec	Tonry et al. (1997, 2001)
NGC 3081	(R <sub>1</sub> R' <sub>2</sub> )SAB(r)0/a	R. Buta, G. B. Purcell
NGC 3115	S0 <sup>-</sup> sp	Tonry et al. (1997, 2001)
NGC 3124	SB(r)bc	R. Buta, G. B. Purcell
NGC 3166	SAB(rs)0/a pec	Eskridge et al. (2002)
NGC 3184	SAB(rs)c	Kennicutt et al. (2003)
NGC 3190	Sa pec sp	Tonry et al. (1997, 2001)
NGC 3193	E2	Tonry et al. (1997, 2001)
NGC 3223	SA(r)bc	Eskridge et al. (2002)
NGC 3226	E1	Eskridge et al. (2002)
NGC 3227	SAB(s)a pec	Eskridge et al. (2002)
NGC 3245	SA(l)0 <sup>o</sup>	E. Laurikainen
NGC 3261	SB(rs)b	Eskridge et al. (2002)
NGC 3269	(R' <sub>2</sub> )SAB(rl)a	R. Buta, D. A. Crocker
NGC 3275	SB(r)ab	Eskridge et al. (2002)
NGC 3294	SA(s)c	R. B. Tully
NGC 3310	SA(rs)bc pec	SDSS
NGC 3313	SB(r)b	D. A. Crocker, L. V. Jones
NGC 3314	SA(s)c pec + Sb	D. Bennett
NGC 3319	SB(s)cd	Eskridge et al. (2002)
NGC 3338	SA(rs)bc	Eskridge et al. (2002)
NGC 3351	SB(r)b	S. Malhotra
NGC 3358	(R' <sub>2</sub> )SAB(l)a	R. Buta, D. A. Crocker
NGC 3359	SB(rs)c	SDSS
NGC 3368	(R)SAB(rs)ab	J. H. Knapen, S. Stedman
NGC 3370	SA(s)c	R. B. Tully
NGC 3377	E5-6	Tonry et al. (1997, 2001)
NGC 3389	SA(s)c	R. B. Tully
NGC 3414	S0 <sup>o</sup> pec	E. Laurikainen
NGC 3423	SA(s)cd	Eskridge et al. (2002)
NGC 3434	SAB(rs)b	R. Grouchy
NGC 3450	SB(rs)b	D. A. Crocker, L. V. Jones

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 3482	(R <sub>1</sub> R' <sub>2</sub> )SAB( <u>rs</u> )a	R. Buta, D. A. Crocker
NGC 3486	SAB(r)c	J. H. Knapen, S. Stedman
NGC 3504	(R' <sub>1</sub> )SAB(rs)ab	Eskridge et al. (2002)
NGC 3507	SB(s)b	Eskridge et al. (2002)
NGC 3511	SAB(s) <u>cd</u>	Eskridge et al. (2002)
NGC 3513	SB(s)c	Eskridge et al. (2002)
NGC 3583	SAB(rs)b	Eskridge et al. (2002)
NGC 3593	I0 pec or S0/a pec	Eskridge et al. (2002)
NGC 3596	(R')SA(rs)bc	Eskridge et al. (2002)
NGC 3608	E2	Tonry et al. (1997, 2001)
NGC 3610	S0 pec/E(shell)	SDSS
NGC 3627	SAB(s)b	Kennicutt et al. (2003)
NGC 3628	Sb sp	C. Howk, B. Savage
NGC 3631	SA(s)bc	SDSS
NGC 3642	SA(rs)bc	SDSS
NGC 3646	(R')SA(rs)bc pec	Eskridge et al. (2002)
NGC 3660	SB(r)bc	D. A. Crocker, L. V. Jones
NGC 3665	E(dust-lane)	E. Laurikainen
NGC 3690	Pec	R. B. Tully
NGC 3718	Sa pec	UMa cl. (Tully et al. 1996)
NGC 3726	SAB(r)c	Eskridge et al. (2002)
NGC 3782	SB(r)d	R. B. Tully
NGC 3810	SA(rs)c	Eskridge et al. (2002)
NGC 3877	SA(s)c	UMa cl. (Tully et al. 1996)
NGC 3887	SB(rs)bc	Eskridge et al. (2002)
NGC 3893	SA(rs)c	Eskridge et al. (2002)
NGC 3896	Im pec/I0 pec	R. B. Tully
NGC 3898	(R')SA(s)ab	R. B. Tully
NGC 3900	SA( <u>rs</u> )a <u>b</u>	E. Laurikainen
NGC 3906	SB(rs)dm	UMa cl. (Tully et al. 1996)
NGC 3913	SA(s)c	R. B. Tully
NGC 3917	SA(s)c	UMa cl. (Tully et al. 1996)
NGC 3928	SA(r)ab	UMa cl. (Tully et al. 1996)
NGC 3931	SA0°	UMa cl. (Tully et al. 1996)
NGC 3938	SA(s)c	R. B. Tully
NGC 3945	(R)SB(rl)0 <sup>+</sup>	R. Buta, G. B. Purcell, P. Erwin
NGC 3953	SB(r)bc	UMa cl. (Tully et al. 1996)
NGC 3972	SA(s)bc	UMa cl. (Tully et al. 1996)
NGC 3992	SB(rs) <u>bc</u>	R. B. Tully
NGC 3998	SA(r)0°	UMa cl. (Tully et al. 1996)
NGC 4010	Sc sp	R. B. Tully
NGC 4013	Sb sp	C. Howk, B. Savage
NGC 4026	S0° sp	UMa cl. (Tully et al. 1996)
NGC 4027	SB(s)dm	Eskridge et al. (2002)
NGC 4030	SA(r)bc	Eskridge et al. (2002)

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 4036	SAB(s)0 <sup>+</sup>	SDSS
NGC 4038	Pec	Eskridge et al. (2002)
NGC 4039	Pec	Eskridge et al. (2002)
NGC 4045	(R <sub>1</sub> ')SAB(rs)b	SDSS
NGC 4051	SAB(rs)c	Eskridge et al. (2002)
NGC 4062	SA(s)c	Eskridge et al. (2002)
NGC 4085	SA(s)c	UMa cl. (Tully et al. 1996)
NGC 4088	SAB(s)c pec	UMa cl. (Tully et al. 1996)
NGC 4100	(R')SA(s)bc	Eskridge et al. (2002)
NGC 4111	S0 <sup>o</sup> sp	UMa cl. (Tully et al. 1996)
NGC 4136	SA(r)c	Eskridge et al. (2002)
NGC 4138	SA(r)a	UMa cl. (Tully et al. 1996)
NGC 4143	SAB0 <sup>-</sup>	UMa cl. (Tully et al. 1996)
NGC 4145	SAB(rs)d	Eskridge et al. (2002)
NGC 4151	(R <sub>2</sub> ')SAB(s)ab	Eskridge et al. (2002)
NGC 4157	Sc sp	R. B. Tully
NGC 4178	SB(s)d	Gavazzi et al. (2003)
NGC 4183	SA(s)cd sp	UMa cl. (Tully et al. 1996)
NGC 4192	(R <sub>1</sub> ')SAB(rs)ab	Gavazzi et al. (2003)
NGC 4212	SA(s:)bc	Eskridge et al. (2002)
NGC 4214	SAB(s)m	D. A. Hunter
NGC 4216	(R')SABb sp	Gavazzi et al. (2003)
NGC 4217	Sb sp	UMa cl. (Tully et al. 1996)
NGC 4220	SA:(r)0/a	UMa cl. (Tully et al. 1996)
NGC 4236	SB(s)dm	Kennicutt et al. (2003)
NGC 4242	SAB(s)m	Eskridge et al. (2002)
NGC 4245	SB(r)0/a	E. Laurikainen
NGC 4254	SA(s)c	Gavazzi et al. (2003)
NGC 4258	(R')SAB(rs)b	Frei et al. (1996)
NGC 4260	SB(rs)a	SDSS
NGC 4264	SB(r)0 <sup>+</sup>	SDSS
NGC 4274	(R')SB(r)ab	SDSS
NGC 4293	(R)SB(s)0/a	Eskridge et al. (2002)
NGC 4298	SA(s)c	C. Howk, B. Savage
NGC 4302	Sc sp	C. Howk, B. Savage
NGC 4303	SAB(rs)bc	J. H. Knapen, S. Stedman
NGC 4305	SA(s)a	SDSS
NGC 4314	(R <sub>1</sub> ')SB(r'l)a	Eskridge et al. (2002)/G. F. Benedict
NGC 4321	SAB(s)bc	B. Canzian
NGC 4340	SB(r)0 <sup>+</sup>	E. Laurikainen
NGC 4371	SB(r)0 <sup>o</sup>	SDSS
NGC 4378	(R')SA(s)a	G. B. Purcell
NGC 4388	SA:(r)ab sp	Gavazzi et al. (2003)
NGC 4394	(R')SB(rs)ab	Eskridge et al. (2002)
NGC 4395	SAB(s)dm	Larsen and Richtler (1999)

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 4402	Sb sp pec	Gavazzi et al. (2003)
NGC 4406	E <sup>+3</sup>	Gavazzi et al. (2003)
NGC 4425	SB0 <sup>+</sup> : sp	SDSS
NGC 4429	(R:)SA(r)0 <sup>+</sup>	R. Buta, G. B. Purcell
NGC 4438	Pec	Gavazzi et al. (2003)
NGC 4440	SB(rs)a	SDSS
NGC 4448	(R)SB(r)ab	Eskridge et al. (2002)
NGC 4449	IB(s)m	D. A. Hunter
NGC 4450	SAB(s)ab	Gavazzi et al. (2003)
NGC 4454	(R)SAB(r)0/a	SDSS
NGC 4457	(R)SAB(s)a	Eskridge et al. (2002)
NGC 4472	E <sup>+2</sup>	Gavazzi et al. (2003)
NGC 4477	(RL)SB0/a	Gavazzi et al. (2003)
NGC 4485	IAB(s)m pec	Eskridge et al. (2002)
NGC 4486	E <sup>+0-1</sup>	Gavazzi et al. (2003)
NGC 4490	SAB(s)d pec	Eskridge et al. (2002)
NGC 4494	E1-2	Tonry et al. (1997, 2001)
NGC 4496	SB(rs)d	Eskridge et al. (2002)
NGC 4501	SA(rs)b	S. C. Odewahn
NGC 4504	SAB(s)cd	Eskridge et al. (2002)
NGC 4517	Sc sp	C. Howk, B. Savage
NGC 4519	SB(rs)d	S. C. Odewahn
NGC 4526	SAB0 <sup>o</sup> sp	Gavazzi et al. (2003)
NGC 4527	SAB(s)bc	Gavazzi et al. (2003)
NGC 4532	SB(s)m	Gavazzi et al. (2003)
NGC 4535	SAB(s)c	Gavazzi et al. (2003)
NGC 4536	SAB(rs)bc	Gavazzi et al. (2003)
NGC 4548	SB(rs)b	Gavazzi et al. (2003)
NGC 4553	SA(r)0 <sup>+</sup>	R. Buta, D. A. Crocker
NGC 4565	Sb sp	C. Howk, B. Savage
NGC 4567	SA(rs)bc	Gavazzi et al. (2003)
NGC 4568	SA(s)c	Gavazzi et al. (2003)
NGC 4569	SAB(rs:)ab pec	Gavazzi et al. (2003)
NGC 4571	SA(r)c	SDSS
NGC 4579	SAB(rs)ab	Eskridge et al. (2002)
NGC 4580	SA(rs)ab	Eskridge et al. (2002)
NGC 4593	(R')SB(rs)ab	Eskridge et al. (2002)
NGC 4594	SAa sp	T. Boroson, W. Keel, et al.
NGC 4596	SB(rs)0/a	E. Laurikainen
NGC 4608	SB(r)0/a	E. Laurikainen
NGC 4618	(R')SB(rs)m	S. C. Odewahn
NGC 4621	E5	SDSS
NGC 4622	SA(r)a	R. Buta, G. Byrd, T. Freeman
NGC 4623	E <sup>+7</sup>	SDSS



TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 4625	SAB(rs)m pec	SDSS
NGC 4627	dE <sup>+</sup> 5 pec	C. Howk, B. Savage
NGC 4631	SB(s)d sp or Sc sp	C. Howk, B. Savage
NGC 4643	SB(rl)0/a	Eskridge et al. (2002)
NGC 4647	SAB(rs)c	Gavazzi et al. (2003)
NGC 4649	E <sup>+</sup> 2/SA0 <sup>-</sup>	Gavazzi et al. (2003)
NGC 4650A	PRG	Hubble Heritage
NGC 4651	SA(rs)bc	R. Grouchy, R. Buta
NGC 4654	SAB(rs)cd	Gavazzi et al. (2003)
NGC 4665	SB(s)0 <sup>+</sup>	SDSS
NGC 4666	SAB(s)c sp	Eskridge et al. (2002)
NGC 4668	IB(s)m	Eskridge et al. (2002)
NGC 4689	(R)SA(rs)bc	Eskridge et al. (2002)
NGC 4691	(R')SB(s)a pec	Eskridge et al. (2002)
NGC 4698	(R)SA(r)a	Gavazzi et al. (2003)
NGC 4699	SAB(rs)ab	Eskridge et al. (2002)
NGC 4725	(R')SAB(r)ab pec	Knapen et al. (2004)
NGC 4736	(R)SAB(rs)ab	S. D. Ryder, M. L. Cobb
NGC 4753	I0 or S0 <sup>-</sup> pec	Tonry et al. (1997, 2001)
NGC 4762	S0 <sup>o</sup> sp	Gavazzi et al. (2003)
NGC 4772	(R' <sub>1</sub> )SAB(r)a pec	Eskridge et al. (2002)
NGC 4775	SA(s)d	Eskridge et al. (2002)
NGC 4781	SB(s)d	Eskridge et al. (2002)
NGC 4818	I0/SB0 pec	Eskridge et al. (2002)
NGC 4826	(R')SA(r)ab pec	W. van Driel et al.
NGC 4874	E <sup>+</sup> 0 (gE)	C. Mihos
NGC 4889	E <sup>+</sup> 4 (gE)	C. Mihos
NGC 4897	SAB(r)bc	G. B. Purcell
NGC 4900	(R')SB(s)cd	Eskridge et al. (2002)
NGC 4902	SB(rs)b	Eskridge et al. (2002)
NGC 4909	(R')SA(l)a	R. Buta, D. A. Crocker
NGC 4930	SB(rs)bc	G. B. Purcell
NGC 4939	SAB(r)bc	Eskridge et al. (2002)
NGC 4995	SAB(rs)b	Eskridge et al. (2002)
NGC 5005	SAB(s)b	Eskridge et al. (2002)
NGC 5032	(R')SAB(rs)b	R. B. Tully
NGC 5054	SA(s)bc	Eskridge et al. (2002)
NGC 5078	SAa sp	Eskridge et al. (2002)
NGC 5081	SA(r)b	R. B. Tully
NGC 5085	SA(rs)c	Eskridge et al. (2002)
NGC 5101	(R <sub>1</sub> R' <sub>2</sub> )SB(rs)a	Eskridge et al. (2002)
NGC 5102	SA0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 5121	(R')SA(rl)a	Eskridge et al. (2002)
NGC 5161	SB(s)cd	Eskridge et al. (2002)

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 5194	SA(s)bc	B. Canzian
NGC 5195	I0/SB(r)0 <sup>+</sup> pec	B. Canzian
NGC 5204	SA(s)m	R. B. Tully
NGC 5236	SAB(s)c	A. Andersson
NGC 5247	SA(s)c	Eskridge et al. (2002)
NGC 5248	(R')SAB(rs)bc	Jogee et al. (2002b)
NGC 5253	I0 pec	R. B. Tully
NGC 5273	SA(s)0 <sup>o</sup>	SDSS
NGC 5322	E3-4	Tonry et al. (1997, 2001)
NGC 5334	SB(rs)cd	Eskridge et al. (2002)
NGC 5363	I0 pec or E(dust-lane)	SDSS
NGC 5364	SA(r)bc	R. Grouchy, R. Buta
NGC 5365	(R)SB0 <sup>-</sup>	E. Laurikainen, T. Speltinckx
NGC 5371	SAB(rs)bc	Eskridge et al. (2002)
NGC 5377	(R' <sub>1</sub> )SAB(rs)a	S. C. Odewahn
NGC 5409	(R' <sub>2</sub> )SAB(r)b	R. Buta, G. B. Purcell
NGC 5426	SA(s)c	Eskridge et al. (2002)
NGC 5427	SA(rs)bc	Eskridge et al. (2002)
NGC 5430	(R' <sub>1</sub> :)SB(s)b	R. Buta, G. B. Purcell
NGC 5448	(R' <sub>1</sub> )SAB(rs)ab	Eskridge et al. (2002)
NGC 5457	SAB(rs)cd	B. Canzian
NGC 5483	SAB(s)c	Eskridge et al. (2002)
NGC 5585	(R')SAB(s)d	R. B. Tully
NGC 5610	(R' <sub>1</sub> )SB(s)ab	R. Buta, G. B. Purcell
NGC 5643	SAB(rs)c	Eskridge et al. (2002)
NGC 5701	(R <sub>1</sub> R' <sub>2</sub> )SB(l)a	S. D. Ryder, M. L. Cobb
NGC 5728	(R <sub>1</sub> )SAB(r)a	R. Buta, G. B. Purcell
NGC 5756	(R <sub>1</sub> )SAB(rs)b	R. Buta, G. B. Purcell
NGC 5792	(R' <sub>1</sub> )SB(rs)b	S. D. Ryder, M. L. Cobb
NGC 5813	E1-2	Tonry et al. (1997, 2001)
NGC 5850	SB(r)b	S. C. Odewahn
NGC 5866	S0 <sup>+</sup> sp	Tonry et al. (1997, 2001), Kennicutt et al. (2003)
NGC 5905	SB(rs)bc	S. D. Ryder, M. L. Cobb
NGC 5907	Sc sp	C. Howk, B. Savage
NGC 5921	SB(rs)bc	S. D. Ryder, M. L. Cobb
NGC 5945	(R <sub>1</sub> )SB(rs)ab	R. Buta, G. B. Purcell
NGC 5962	SA(rs:c)	Eskridge et al. (2002)
NGC 5985	SAB(r)b	S. C. Odewahn
NGC 6012	(R)SB(r)b pec	S. D. Ryder, M. L. Cobb
NGC 6040A	SAB(rs)bc	Blakeslee (1999)
NGC 6040B	SA(rs)a	Blakeslee (1999)
NGC 6041	E <sup>+</sup> 2 (gE)	Blakeslee (1999)
NGC 6042	E <sup>+</sup> 1 (gE)	Blakeslee (1999)
NGC 6050	SA(s)bc	V. Andersen

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 6070	SA(r)cd	S. C. Odewahn
NGC 6215	SA(s)c	Eskridge et al. (2002)
NGC 6217	(R <sub>1</sub> R <sub>2</sub> ')SAB(rs)bc	R. Buta, G. B. Purcell
NGC 6221	SB(s)bc pec	Eskridge et al. (2002)
NGC 6300	SB( <u>rs</u> )b	Eskridge et al. (2002)
NGC 6340	(R')SA(r:)0/a	E. Laurikainen, R. Buta, L. Pelttari
NGC 6384	SAB(r)bc	S. C. Odewahn
NGC 6398	(R)SB(l)a	D. A. Crocker, L. V. Jones
NGC 6570	SB(s)dm	S. C. Odewahn
NGC 6632	(R')SA( <u>rs</u> )b	B. Canzian
NGC 6643	SA(rs)c	S. C. Odewahn
NGC 6654	(R')SBa	S. D. Ryder, M. L. Cobb
NGC 6684	(R')SB(r)0 <sup>+</sup>	E. Laurikainen, T. Speltincox
NGC 6744	SAB(r)bc	Larsen and Richtler (1999)
NGC 6753	(R)SA(r)b	D. A. Crocker, G. B. Purcell
NGC 6782	(R <sub>1</sub> R <sub>2</sub> ')SB(r)a	E. Laurikainen, T. Speltincox
NGC 6822	IB(s)m	D. A. Hunter
NGC 6902	SA(r)b	Eskridge et al. (2002)
NGC 6907	SAB(s)bc	B. Canzian
NGC 6935	SA( <u>rs</u> )a	D. A. Crocker, G. B. Purcell
NGC 6937	SB(r)bc	D. A. Crocker, G. B. Purcell
NGC 6942	(R')SB( <u>rs</u> )a	D. A. Crocker, L. V. Jones
NGC 6946	SAB(rs)cd	S. C. Odewahn
NGC 6951	SAB(rs)bc	S. C. Odewahn
NGC 7020	(R)SAB(r?)0/a	Grouchy, Buta, Crocker, Jones
NGC 7042	SA(s)b	B. Canzian
NGC 7079	(RL)SB(s)0 <sup>o</sup>	E. Laurikainen, T. Speltincox
NGC 7083	SA(s)bc	Eskridge et al. (2002)
NGC 7098	(R <sub>1</sub> R <sub>2</sub> ')SAB( <u>rs</u> )ab	E. Laurikainen, T. Speltincox, D. A. Crocker, L. V. Jones
NGC 7144	SA0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 7184	SB(r)b	E. Laurikainen, R. Buta, L. Pelttari
NGC 7187	(R)SAB(r)0 <sup>+</sup>	R. Grouchy, R. Buta
NGC 7192	SA0 <sup>-</sup>	Tonry et al. (1997, 2001)
NGC 7205	SA(s)bc	Eskridge et al. (2002)
NGC 7213	SA( <u>rs</u> )a	Eskridge et al. (2002)
NGC 7217	(R)SA(r)ab	R. Buta, G. B. Purcell
NGC 7329	SB(r)b	G. B. Purcell
NGC 7331	SA(r:)b	B. Canzian
NGC 7332	S0 <sup>o</sup> sp	B. Canzian
NGC 7339	Sbc sp	B. Canzian
NGC 7377	SA(s)0/a pec	E. Laurikainen, R. Buta, L. Pelttari
NGC 7412	SAB(s)bc	Eskridge et al. (2002)
NGC 7418	SAB(rs)cd	Eskridge et al. (2002)
NGC 7424	SAB( <u>rs</u> )cd	Larsen and Richtler (1999)
NGC 7457	SA0 <sup>-</sup>	S. C. Odewahn

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
NGC 7479	SB(s)c	S. C. Odewahn/G. F. Benedict
NGC 7531	SAB(r)bc	R. Grouchy, R. Buta
NGC 7552	(R <sub>1</sub> ')SB(s)ab	Kennicutt et al. (2003)
NGC 7582	(R <sub>1</sub> ')SB(s)ab	Eskridge et al. (2002)
NGC 7633	(R <sub>1</sub> )SB(r)0 <sup>+</sup>	D. A. Crocker, L. V. Jones
NGC 7640	SB(s)c	B. Canzian
NGC 7702	(R)SAB(r)0 <sup>+</sup>	R. Grouchy, R. Buta
NGC 7713	SAB(s)d	Eskridge et al. (2002)
NGC 7723	SB(rs)b	E. Laurikainen, R. Buta, L. Peltari
NGC 7741	(R <sub>2</sub> ')SB(s)cd	S. C. Odewahn
NGC 7742	SA(r)ab	Hubble Heritage
NGC 7743	(R)SAB(s)a	E. Laurikainen, R. Buta, L. Peltari
NGC 7752	I0 pec	B. Canzian
NGC 7753	SAB(rs)bc	B. Canzian
NGC 7769	SA(rs)b	B. Canzian
NGC 7770	SA(r)a: pec	B. Canzian
NGC 7771	SB(s)a pec	B. Canzian
NGC 7793	SA(s)d	Kennicutt et al. (2003)
NGC 7814	Sa sp	B. Canzian
IC 10	Im/BCD	D. A. Hunter
IC 342	SAB(rs)cd	Buta and McCall (1999)
IC 879	SB(s)a pec	Eskridge et al. (2002)
IC 1179	SB(rs)cd	V. Andersen
IC 1181A	E pec	V. Andersen
IC 1181B	SB(s)a pec	V. Andersen
IC 1438	(R <sub>1</sub> R <sub>2</sub> ')SAB(r)a	D. A. Crocker, L. V. Jones
IC 1459	E3-4	Tonry et al. (1997, 2001)
IC 1613	IB(s)m	D. A. Hunter
IC 1993	(R')SA(s)b	R. Buta, D. A. Crocker
IC 2006	(R)SA0/a or (R)E1	Tonry et al. (1997, 2001)
IC 2036	(R <sub>2</sub> ')SB(s)ab	D. A. Crocker, L. V. Jones
IC 2163	SA(s)cd pec	Eskridge et al. (2002)
IC 2233	Sd sp	SDSS
IC 2574	SAB(s)m	Kennicutt et al. (2003)
IC 4182	SA(s)m	Tonry et al. (1997, 2001)
IC 4290	(R')SB(r)a	R. Buta, D. A. Crocker
IC 4444	SA(s)bc pec	Eskridge et al. (2002)
IC 5052	Sd sp	Eskridge et al. (2002)
IC 5169	(R <sub>1</sub> )SA(r)0 <sup>+</sup>	D. A. Crocker, L. V. Jones
IC 5240	SB(r)a	D. A. Crocker, L. V. Jones
IC 5325	SA(rs)bc	Eskridge et al. (2002)
UGC 6344	SB(rs):m	R. B. Tully
UGC 6614	SA(r)a (giant LSB)	McGaugh et al. (1995)
UGC 12646	(R <sub>1</sub> ')SB(r)ab	R. Buta, G. B. Purcell
ESO 34-11	RG	Hubble Heritage

TABLE 4 (CONT.)  
ATLAS CLASSIFICATIONS AND IMAGE SOURCES<sup>a</sup>

Name	Classification	Image Source
ESO 111-22	(R)SA(r)b	R. Grouchy, R. Buta
ESO 153-20	(R <sub>1</sub> ')SB( <u>rs</u> )ab	D. A. Crocker, L. V. Jones
ESO 198-13	(R)SA(r)ab	R. Grouchy, R. Buta
ESO 235-58	PRG-related	Buta and Crocker (1993b)
ESO 236-29	(R)SA(r)a	R. Grouchy, R. Buta
ESO 239-4	(R <sub>1</sub> 'R <sub>2</sub> ')SAB(rs)a	D. A. Crocker, L. V. Jones
ESO 245-1	(R <sub>1</sub> 'R <sub>2</sub> ')SAB(rl)a	D. A. Crocker, L. V. Jones
ESO 286-10	(R')SA(r)a	D. A. Crocker, L. V. Jones
ESO 294-16	(R <sub>1</sub> 'R <sub>2</sub> ')SAB(rl)a	D. A. Crocker, L. V. Jones
ESO 325-28	(R <sub>2</sub> ')SB(r)b	R. Buta, D. A. Crocker
ESO 350-40	RG	Hubble Heritage
ESO 365-35	(R <sub>2</sub> ')SAB(1)0/a	R. Buta, D. A. Crocker
ESO 426-2	(R <sub>1</sub> )SB(r)0/a	R. Buta, D. A. Crocker
ESO 437-67	(R <sub>1</sub> ')SB(r)ab	R. Buta, D. A. Crocker
ESO 509-98	(R <sub>1</sub> 'R <sub>2</sub> ')SB(s)a	R. Buta, D. A. Crocker
ESO 526-7	SA(r)b	R. Grouchy, R. Buta
ESO 565-11	(R <sub>1</sub> ')SB( <u>rs</u> )a	R. Buta, G. B. Purcell
ESO 566-24	(R)SB(r)b	R. Buta, D. A. Crocker
ESO 575-47	(R <sub>1</sub> ')SB( <u>rs</u> )ab	R. Buta, D. A. Crocker
DDO 50	IAB(s)m	D. A. Hunter
DDO 155	Im	D. A. Hunter
DDO 165	Im	D. A. Hunter
DDO 180	SB(rs)dm	D. A. Hunter
DDO 216	Im/dSph	D. A. Hunter
A2359-15 (WLM)	IAB(s)m	D. A. Hunter
Hoag's Object	(R)SA0/a or (R)E0	Hubble Heritage
Leo I	dSph	DSS
Leo II	dSph	DSS
Maffei 1	E3	Buta and McCall (1999, 2003)
Maffei 2	SAB( <u>rs</u> )bc	Buta and McCall (1999)
Dwingeloo 1	SB(s)cd	Buta and McCall (1999)

<sup>a</sup>For full information on the image sources, see the printed atlas.