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The Asiago Supernova Catalogue

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Summary. — A Catalogue of Supernovae (SNe) is presented which tabulates the main data relative to all extragalactic SNe discovered up to 1988 December 31, and to their parent galaxies. In total 661 SNe are listed of which 267 are classified. For an easier consultation, two lists are given where the SNe are ordered chronologically and by Right Ascension, respectively. The overall distribution of classified supernovae over the morphological types of their parent galaxies is also presented in a summary table.

Key words : catalogues and dictionaries — supernovae and supernova remnants — galaxies.

1. Introduction.

Since the publication of the Revised Supernova Catalogue (Barbon *et al.*, 1984), which listed 568 objects discovered up to 1983, supernova searches throughout the world have increased, by the end of 1988, the number of known supernovae up to 661. Since the Catalogue has been intended as a quick reference for statistical studies and as a data source for supernovae and their parent galaxies, its updating seems by now necessary. We firstly thought to just publish the same set of data for the 91 supernovae discovered in the period January 1, 1984 — December 31, 1988, together with a section providing new information on past supernovae and correcting errors of the previous edition as, for example, the inclusion of three more supernovae and the exclusion of one object from the past sample. The large body of new data on past supernovae and their parent galaxies (mainly improved photometry, new radial velocities, more accurate SN type codes and parent galaxy classifications) led us, on the contrary, to think it worthwhile to publish a complete new version of the whole Catalogue with some differences in the data presentation, with respect to the 1984 edition. These have been suggested us by the experience of investigators in the field, in order to improve the quality of the information. This Catalogue supersedes also the July 1988 preliminary version which was circulated during the IAU XX General Assembly in Baltimore.

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2. The Catalogue.

The data for 661 supernovae are presented in tables I and II by date and R. A. respectively. The main differences with respect of the past version are as follows :

- asterisks preceding the SN designation denote now all supernovae in that same parent galaxy ;
 - morphological types of the parent galaxies include *S_m* subtypes. The intermediate spirals SAB, have been now classified SA or SB depending on available information in the literature. This will help when doing statistics with small numbers. Finally, peculiarity has been also marked ;
 - anonymous galaxies are coded as in the RC2 (de Vaucouleurs *et al.*, 1976) for easier identification ;
 - when available, the integrated *B_T* magnitudes (not corrected for galactic absorption) of the parent galaxies are given, instead of the *m_{pg}* from Zwicky *et al.* (1960-68) which are not of high accuracy and, moreover, present systematic errors especially for low latitude fields (see Fasano, 1985) ;
 - supernova types include the recent subclasses Ia and Ib, whereas type III, IV and V have been kept mostly for historical reasons, although they are very likely spectroscopically similar to type II ;
 - to better discriminate between *epoch of maximum* and *date of discovery*, the latter is marked by an asterisk (for supernovae without known epoch of maximum).
 - name(s) of the discoverer(s) is given.
- Besides the inclusion of the newly discovered supernovae,

a great effort has been devoted to update the information relative to all objects already included in the 1984 edition of the Catalogue by collecting new data either from the literature, private communications, further inspection of archival material and by new observations. The Catalogue has also been cross-checked with all major extragalactic files in order to improve data on parent galaxies. For this purpose the DIRA package developed by the *Astronet Working Group on Database and Documentation*, has been extensively used. For galaxies in the Virgo Cluster region, we have preferred to include the data reported by Binggeli *et al.* (1985) which constitute a homogeneous and accurate sample. The symbol “-” in the first column indicates that some modification with respect to the previous version, either correction or implementation, has been applied to that data line.

The meaning of the different columns in table I and II is briefly summarized as follows :

Column 1 : the symbol “-” checks whether the line has changed in comparison with the old version. Of course all SNe occurred after 1983 will show this symbol.

Column 2 : supernova designation. The symbols “**” and “?” mean *multiple explosions in the same galaxy and not confirmed event* respectively.

Column 3 : Parent galaxy identification from NGC, IC, MCG, UCG and ESO-Uppsala Catalogues.

Column 4 : Right Ascension at epoch 1950.0 for the parent galaxy.

Column 5 : Declination at epoch 1950.0 for the parent galaxy.

Column 6 : Morphological type of the parent galaxy as from the main sources reported in the old version, with the major inclusion of Binggeli *et al.* (1985) for the Virgo Cluster region.

Column 7 : Luminosity class of the parent galaxy.

Column 8 : Inclination angle, for disk-like systems, of the fundamental plane of the parent galaxy ($i = 0$ for face on systems) derived mainly from data in the RC2.

Column 9 : Heliocentric recession velocity of the parent galaxy. Main sources have been the catalogues of Palumbo *et al.* (1983), Huchra *et al.* (1983) and the ESO-Uppsala (Lauberts, 1982) together with individual data from the literature.

Column 10 : Apparent magnitude of the parent galaxy, *B* meaning a blue magnitude, otherwise photographic.

Column 11 : Decimal log of the apparent isophotal major diameter, in units of 0.1 arcmin.

Column 12 : E/W offset in arcsec, of the supernova from the nucleus of the parent galaxy as reported by observers or derived by precise positions. Note that in some cases there may be large discrepancies in these data from different authors. The data reported in such cases, e.g. 1984H?, 1984J, 1985F, 1987M and 1987L, should be the best

estimates.

Column 13 : same as column 12 for N/S offset.

Column 14 : Photographic magnitude of the supernova at maximum. B, V or other symbols denote observations in standard bands. The asterisk “*” means *brighter than or equal to* and usually refers to discovery magnitudes.

Column 15 : Type of the supernova, mostly from spectroscopy.

Column 16 : Epoch of maximum with different degrees of accuracy : when day of the month is indicated, the information comes from a reliable photometry, otherwise the epoch has been inferred by the spectra or by extrapolating sparse photometric observations. The asterisk “*” refers to the discovery period only.

Column 17 : Name(s) of the discoverer(s)

Finally, as usual, the symbol “:” following the data means approximation or uncertainty.

3. Comments on individual supernovae.

SN 1935C in NGC 1511. This object, earlier believed to be a nova in the Magellanic Clouds, has been included following van den Bergh and Hazen (1988).

SN 1954J in NGC 2403. This intrinsically faint object has been classified as a type V SN by Kowal *et al.* (1972). Its photometric history is mentioned in Tamman and Sandage (1968) where it is listed as variable star n. 12.

SN 1976K in NGC 3226. This supernova, reported as Type II (Klemola, 1986), would be rather unique considering the E2 classification of its parent galaxy. A careful investigation of two spectra kindly put at our disposal by M. Cohen (private communication), led, however, to classify the object as type I:

SN 1979G? in MCG+01-08-023. This object, which also was missing in the 1984 edition of the Catalogue, has been included following Klemola and Francic (1988).

SN 1983H in NGC 6217. This object turned out to be a galactic star projected on NGC 6217 (Tsvetkov, D.Yu., private communication).

SN 1983aa in QSO 1059+07. Campbell *et al.* (1985) reported the discovery on multiple CCD frames of this object, which was not included in the past version of the Catalogue.

SNe 1984T? in Anon0548-24, 1984U? in NGC 4246 and 1984V? in NGC 6907. These not confirmed objects have been coded in the Catalogue at the end of the annual listing.

SN 1984Z? in NGC 5548. This event, earlier believed to be the first evidence for accretion in the nucleus of an active galaxy (Peterson and Ferland, 1986), has been recently interpreted as a type II SN (Terlevich and Melnick, 1988).

SN 1986J in NGC 891. The magnitude reported in Column 14 of table I and II refers to the Gunn *r* band.

SN 1987A in LMC. For this close supernova, no offset from the nucleus is given, instead the position is provided

in Columns 4 and 5. Magnitude and epoch, reported in Columns 14 and 16 respectively, refer to the brightest value in the *B* light curve (Catchpole *et al.*, 1987). However, the spectral evolution and the subsequent photometric behaviour of this object match better those of other type II SNe if the earlier maximum $B = 4.8$ on Feb. 27 is assumed (Turatto *et al.* 1989).

SN 1987K in NGC 4651. Its spectroscopic evolution is uncommon. The classification IIb comes from Filippenko (1988).

SNe 1988T in Anon1341-00 and 1988U in Anon0011-30. These objects have been found during the CCD search in distant clusters of galaxies (Hansen *et al.*, 1988, 1989). The listed offsets are as reported by the authors.

Finally it is worthwhile to remark that when inspecting the Catalogue by date, some SNe appear to be missing ; these refer to cases in which the object turned out to be not a supernova, except SN 1987G which was later on identified with SN 1987D.

4. Numerology.

Table III reports the frequency distributions of the various types of classified supernovae with respect to the different morphological types of their parent galaxies, *nc* meaning objects without classification. In the table, normal and

barred spirals have been binned together. The two type Ib SNe occurring in S0 galaxies, which appears rather puzzling since these objects are thought to be associated with bright HII regions, have an uncertain classification.

Figure 1 shows the Sky Distribution, in R.A. and Declination, of the 661 SNe of the Catalogue.

In figure 2 finally, the productivity of the worldwide SN search since 1970 is shown ; the shaded region refers to classified SNe. From this figure the effort of the observers to provide full information on each new SN is evident, thus revealing the growing interest in this field of research.

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Note added in proof: A further 1988 supernova has been announced after the submission of this paper. This object, named SN 1988ab, has been discovered by Richmond (IAU Circular 4836) 33° West and 5° North of the nucleus of NGC 762 at a *R* magnitude 15.6 on 1988 Dec. 4.2 U.T.

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TABLE I — *The Asiago Supernova Catalogue by date.*

SN	Galaxy	α (1950.0)		δ	type	GALAXY DATA					SUPERNOVA DATA				discoverer		
		h	m	°		Lc	inc	V _{hel}	mag	log D	offset	mag	type	date			
- 1885 A	NGC 224	00	40.0	+41	00	Sb	2	69	-299	B 4.4	3.25	15W	4S	V 5.9	I	Aug21	Hartwig (S And)
- 1895 A	NGC4424	12	24.7	+09	42	Sa p	5:	59	439	B12.3	1.57	75E	11S	12.5*	Mar *	Wolf (VW Vir)	
- * 1895 B	NGC5253	13	37.1	-31	23	I0 p	-	403	B11.0	1.60	16E	23N	8.0	I	Jul 6	Fleming (Z Cen)	
- 1901 A	NGC2535	08	08.2	+25	21	Sc p	1:	54	4135	B13.1	1.47	19E	7N	14.7*	Jan *	Reinmuth	
- * 1901 B	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	110W	4N	15.6*	I	Mar	Curtis
- 1907 A	NGC4674	12	43.5	-08	23	SB0	67	1301	14.5	1.28	10W	11N	13.5:	I	May10	Luyten	
- * 1909 A	NGC5457	14	01.5	+54	36	Sc	1	12	266	B 8.2	2.43	620W	408N	B13.5	Pec	Feb:	Wolf (SS UMa)
- * 1912 A	NGC2841	09	18.5	+51	11	Sb	1	62	631	B10.1	1.91	50W	20N	13.0*	Feb *	Pease, Curtis	
- * 1914 A	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	24E	11S	15.7*	Mar *	Curtis	
- 1915 A	NGC4527	12	31.6	+02	56	Sb	3	69	1738	B11.3	1.80	44E	8S	15.5*	Mar *	Curtis	
- * 1917 A	NGC6946	20	33.8	+59	59	Scd	1	27	46	B 9.6	2.04	37W	105S	14.6*	II	Jul	Ritchey
- 1919 A	NGC4486	12	28.3	+12	40	E0 p	-	1258	B 9.6	1.86	15W	100N	12.3	I	Feb26	Balanowsky	
- 1920 A	NGC2608	08	32.2	+28	39	SBb:	3	50	2119	B12.8	1.40	19W	5N	11.8*	I	Jan	Wolf
- * 1921 A	NGC4038	11	59.3	-18	35	SBm p	46	1650	B11.3	1.41	-	-	-	-	Mar *	Hubble, Duncan	
- * 1921 B	NGC3184	10	15.3	+41	40	Scd	3	12	418	B10.4	1.84	32E	160S	13.5	II:	Apr:	Zwicky, Hubble
- * 1921 C	NGC3184	10	15.3	+41	40	Scd	3	12	418	B10.4	1.84	79E	236S	11.0	I	Dec11	Jones
- * 1923 A	NGC5236	13	34.3	-29	37	SBc	2	24	506	B 8.2	2.05	109E	58N	B12.4:	II	Feb20:	Lampland
- * 1926 A	NGC4303	12	19.4	+04	45	Sc	1	24	1566	B10.2	1.78	11W	69N	14.2	II	May 5	Wolf, Reinmuth
- * 1926 B	NGC6181	16	30.1	+19	56	Sc	1	60	2158	B12.5	1.41	0	48N	14.8*	Jun *	Van Maanen	
- 1934 A	IC4719	18	29.0	-56	46	I	-	-	-	-	-	6E	13S	13.6:	Oct11	Boyd	
- 1935 A	IC4652	17	22.0	-59	41	Sbc	-	-	-	-	-	-	-	15.0*	Jun *	Boyd, Huruhata	
- 1935 B?	NGC3115	10	02.7	-07	29	S0	68	698	B10.1	1.92	36W	60N	-	-	Apr *	Samaha	
- 1935 C	NGC1511	03	59.3	-67	46	Sab	27	1525	B12.1	1.52	55E	8S	12.5:	Sep19:	Boyce		
- 1936 A	NGC4273	12	17.4	+05	37	SBc:	3	47	2378	B12.4	1.36	0	29N	14.9	II	Jan26	Hubble, Moore
- 1936 B	M+02-04-29	01	18.4	+15	26	SBc:	41	-	-	15.6	1.03	-	-	14.0*	Sep *	Zwicky	
- * 1937 A	NGC4157	12	08.6	+50	47	Sbc	3:	76	916	B11.6	1.84	42E	42N	15.5	II	Jan19	Zwicky
- 1937 B	M-04-52-18	22	07.8	-22	54	Sbc	17	9337	14.8	1.28	29E	31S	15.3*	Aug *	Zwicky		
- 1937 C	IC4182	13	03.5	+37	52	SIm	8	21	225	B11.5	1.76	30E	40N	8.4	Ia	Aug24	Zwicky
- 1937 D	NGC1003	02	36.1	+40	39	Scd	5	67	585	B12.1	1.73	48E	1S	12.9	Ia	Sep18	Zwicky
- 1937 E	NGC1482	03	52.4	-20	39	S0	3	42	1655	14.4	1.19	24W	51N	15.0*	I:	Dec:	Zwicky
- * 1937 F	NGC3184	10	15.3	+41	40	Scd	3	12	418	B10.4	1.84	5E	149S	13.7	II	Dec15	Zwicky, Jones
- 1938 A	M+06-06-68	02	34.6	+34	13	SBa	5:	45	4800	B14.2	1.17	8W	28S	15.2:	I:	Nov	Zwicky
- 1938 B	NGC2672	08	46.5	+19	16	E1	-	4223	B12.6	1.41	-	-	-	15.5*	-	Wachmann	
- 1938 C	Anon1313+25	13	13.7	+25	26	I:	-	-	-	-	-	31E	20S	17.7*	May *	Klein	
- 1939 A	NGC4636	12	40.3	+02	58	E1	-	979	B10.5	1.79	26W	20N	12.6	I	Jan25	Zwicky	
- 1939 B	NGC4621	12	39.5	+11	55	E4	-	424	B10.8	1.71	0	53S	12.0	I	May 1	Zwicky	
- * 1939 C	NGC6946	20	33.8	+59	59	Scd	1	27	46	B 9.6	2.04	215W	24N	13.4*	I:	Jun:	Zwicky
- 1939 D	NGC 321	00	54.9	-05	18	SBcd	3:	46	5775	14.5	-	9W	11N	16.0*	Nov *	Zwicky	
- 1940 A	NGC5907	15	14.6	+56	30	Sc	3:	82	535	B11.0	2.09	137E	310S	14.3	II	Feb22	Johnson
- * 1940 B	NGC4725	12	48.0	+25	46	Sab p	1	44	1114	B10.0	2.04	95E	118N	13.1	II	May 8	Johnson
- 1940 C	IC1099	15	05.6	+56	42	Sbc	3	32	-	15.0	1.15	-	-	16.3*	II:	Apr:	Zwicky
- 1940 D	NGC4545	12	32.4	+63	48	Sc	3	52	2721	B12.9	1.44	9W	20N	15.0*	Jul *	Johnson	
- 1940 E	NGC 253	00	45.1	-25	34	Sc	6	73	248	B 8.0	2.40	51W	17S	14.0*	I	Nov	Zwicky
- 1941 A	NGC4559	12	33.4	+28	14	Scd	4	62	856	B10.3	2.02	30W	26N	13.2	II	Mar	Jones
- 1941 B	NGC3254	10	26.5	+29	45	Sbc	3	69	1228	B12.2	1.71	10W	34S	15.1*	Mar *	Johnson	
- 1941 C	NGC4136	12	06.8	+30	12	Sc	5	17	445	B11.6	1.61	44E	67S	16.8*	II	Apr	Jones
- 1945 A	NGC5195	13	27.9	+47	31	I0 p	-	527	B10.5	1.73	6W	4S	V14.0*	I	Feb:	Humason	
- 1946 A	NGC3977	11	53.5	+55	40	Sab:	21	5707	14.7	1.24	-	-	-	18.0*	May *	Hubble	
- 1946 B	NGC4632	12	40.0	+00	10	Sc	4	65	1693	B12.2	1.50	16E	6N	15.7*	II:	May:	Hubble
- 1947 A	NGC3177	10	13.8	+21	22	Sb	4	36	1220	B13.0	1.22	17E	40S	16.8*	II	Mar:	Hubble
- * 1948 A	NGC4699	12	46.5	-08	24	Sb	41	1511	B10.5	1.55	0	46N	17.0*	Mar *	Hubble		
- * 1948 B	NGC6946	20	33.8	+59	59	Scd	1	27	46	B 9.6	2.04	222E	60N	14.0:	II	Jun15:	Mayall
- 1950 A	IC4051	12	58.5	+28	17	E0	-	4932	B14.4	1.12	2W	13N	15.0	I:	Feb18	Humason	
- * 1950 B	NGC5236	13	34.3	-29	37	SBc	2:	24	506	B 8.2	2.05	105W	0	14.5*	Mar *	Haro	
- * 1950 C	NGC5033	13	11.2	+36	52	Sc	2:	58	916	B10.6	2.02	225E	50S	18.2*	May *	Zwicky	
- 1950 D	Anon0840+18	08	40.3	+18	21	Sc	-	-	-	17.	-	8W	12S	16.6*	Mar *	Chai	
- 1950 E	Anon1017+13	10	17.5	+13	35	Sb	-	-	-	15.7	-	74W	0	17.8*	Apr *	Chai	
- 1950 F	M+02-36-31	14	02.3	+09	04	Sdm	56	-	-	14.9	1.36	11W	1N	16.2*	Feb *	Zwicky	
- 1950 G	Anon0941+09	09	41.4	+09	35	Sc	-	-	-	17.5	-	3E	2N	18.3*	Feb *	Zwicky	
- * 1950 H	NGC5857	15	05.2	+19	47	SBb	57	4705	B13.8	1.15	11E	22S	18.1*	Mar *	Zwicky		
- 1950 I	M+03-39-08	15	06.0	+19	23	Sa	-	-	-	15.6	-	11W	1S	20.2*	Apr *	Zwicky	
- 1950 J	Anon1515+19	15	15.2	+19	57	Sb:	-	-	-	17.4	-	5W	3N	20.3*	Apr *	Zwicky	
- 1950 K	Anon1519+17	15	19.5	+17	37	E:	-	-	-	16.9	-	6W	3N	20.0*	Apr *	Zwicky	
- 1950 L	Anon1540+22	15	40.0	+22	07	Sa:	-	-	-	15.9	-	7W	8S	19.9*	May *	Zwicky	
- 1950 M?	NGC3266	10	29.8	+65	01	SO:	81	1900	B13.3	1.23	2E	3N	14.5*	Mar *	Deutsch		
- 1951 A	Anon2152-04	21	52.7	-04	32	SBb	-	17098:	-	15.6	-	8E	8S	16.6*	Aug *	Chai	
- 1951 B	M+02-36-26	14	01.2	+11	37	Sb	54	-	-	15.1	1.16	10W	15N	18.2*	Apr *	Zwicky	
- 1951 C	Anon1016+08	10	16.5	+08	21	E:	-	-	-	17.8	-	12W	8S	18.2*	Feb *	Zwicky	
- 1951 D	Anon1109+03	11	09.2	+03	58	E:	-	-	-	18.5	-	6E	1S	19.6*	May *	Zwicky	
- 1951 E	Anon1522+08	15	22.5	+08	30	Sc:	-	-	-	18.4	-	7W	2S	20.0*	May *	Zwicky	
- 1951 F	M-01-01-16	23	57.5	-06	39	Sc:	7:	6493	15.4	-	-	18E	9S	17.3*	Aug *	Zwicky	
- 1951 G	Anon0008-06	00	08.0	-06	34	E1	-	25244	17.6	-	-	6E	2N	18.8*	Aug *	Zwicky	
- * 1951 H	NGC5457	14	01.5	+54	36	Sc	1	12	266	B 8.2	2.43	350E	45N	17.5*	II:	Oct 1950	Humason
- * 1951 I?	NGC6181	16	30.1	+19	56	Sc	1	60	2158	B12.5	1.41	-	5W	12N	18.6*	Apr *	Deutsch
- 1952 A	M+06-05-32	01	49.8	+36	22	Sc	2	29	5514	13.9	1.19	-	-	-	Sep *	Zwicky	

TABLE I (*continued*).

SN	Galaxy	α (1950.0)			δ ° '	type	GALAXY DATA				SUPERNOVA DATA				discoverer	
		h	m	s			Lc	inc	V_{hel}	mag	log D	offset	mag	type		
1952 B	Anon0923+29	09	23.0	+29 40	Sc					16.		9E	11S	17.8*	Jan *	Chai
- 1952 C	Anon1257-03	12	57.6	-03 05	I:		-			18.1		5W	10S	18.7*	Feb *	Zwicky
1952 D	Anon1114-02	11	14.9	-02 48	Sc:					16.7		11W	15N	19.5*	Apr *	Zwicky
1952 E	Anon1307-03	13	07.2	-03 13	S:					18.0		10E	10S	19.8*	Apr *	Zwicky
1952 F	Anon1225+13	12	25.9	+13 37	Sb:					18.5		2E	2S	16.9*	Jan *	Zwicky
- * 1952 G	NGC5668	14	30.9	+04 40	Sd	4	21	1584	B12.2	1.52		19W	25S	17.9*	Apr *	Zwicky
1952 H	Anon1446+07	14	46.1	+07 02	Sb	3:				15.3		5E	12N	18.9*	Apr *	Zwicky
- 1953 A	NGC3561A	11	08.5	+28 59	Sa p	29	8825		16.3	1.03		5E	1N	16.0*	Apr *	Arp
1953 B	M-07-34-01	16	19.2	+40 14	SBab	65	10143		15.2	1.21		20E	6S	17.5*	May *	Zwicky
1953 C	M-08-33-45	18	27.4	+48 13	Sc	63	4925		14.9	1.14		15W	35N	19.0*	Jul *	Chai
- 1953 D	NGC3200	10	16.2	-17 44	Sab	3	68	3567	B12.3	1.68		15E	56N	19.5*	Mar *	Chai
- 1953 E	M-05-55-36	23	31.2	+29 46	Sbd	6:	39	4904	15.1	1.14		11E	16S	19.5*	Dec *	Zwicky
1953 F	M-05-55-42	23	35.4	+31 43	Sb:	00	4976		14.1	0.88		1E	10N	19.0*	Dec *	Zwicky
1953 G	Anon1056+50	10	56.3	+50 32	S:					16.		8E	6N	16.5*	Feb *	Notni,Oleak
1953 H?	Anon1100+50	11	00.8	+50 07						19.5		1E	3S	17.0*	Mar *	Notni,Oleak
- 1953 I	M-01-56-15	22	05.7	+04 27	S p	7:	44	4057	14.7	1.16		1W	9N	18.5*	Aug *	Kowal
- 1954 A	NGC4214	12	13.1	+36 37	Im	6	-	290	B10.2	1.90		84E	216S	9.8: Ib	Apr19:	Wild
- * 1954 B	NGC5668	14	30.9	+04 40	Sd	4	21	1584	B12.2	1.52		2W	20S	12.5 I	May 2	Wild
- 1954 C	NGC5879	15	08.4	+57 12	Sb	3	68	876	B12.1	1.64		14W	11S	14.9: II:	Oct 4:	Wild
- 1954 D	M-05-02-22	00	29.5	+31 24	Sbc	3:	47		15.1	1.21		12W	17S	17.4*	Oct *	Kowal
- 1954 E	NGC753	01	54.8	+35 40	Sbc	3	42	4766	B13.0	1.46		42W	25S	18.5*	Sep *	Zwicky
1954 F	Anon0018+26	00	18.5	+26 14	Sbc	1	11598		15.5			6W	7N	18.8*	Aug *	Zwicky
1954 G	Anon1232-18	12	32.8	-18 58	Sc:					17.5		13W	5S	16.6*	Mar *	Zwicky
- 1954 H	M-01-34-10	13	07.9	-07 23	I:		-	6693	14.5	0.93		27E	17S	17.4*	May *	Zwicky
1954 I	Anon1112-20	11	12.1	-20 38	S:					17.5		6E	2N	17.3*	Jan *	Zwicky
- 1954 J	NGC2403	07	32.0	+65 43	Scd	5	52	136	B 8.9	2.25		36E	100N	B16.5: V	Oct	Zwicky
1954 K	Anon0841+61	08	41.5	+61 19	Sb					16.0		3E	4N	15.0*	Nov *	Zwicky
- 1954 L	Anon1058+12	10	58.5	+12 36	Sb			9904		15.7		20W	6N	19.3*	Feb *	Zwicky
1954 M	Anon1447+10	14	47.2	+10 29	S					17.7		3W	0	17.5*	Jun *	Zwicky
1954 N	Anon1443+10	14	43.4	+10 23	S:					16.0		2W	6N	18.0*	Jun *	Zwicky
1954 O	Anon1417+13	14	17.3	+13 34	Sc					16.8		15E	2S	17.6*	May *	Zwicky
1954 P	Anon1345+09	13	45.5	+09 36	E:		-			19.2		2W	2S	19.5*	May *	Zwicky
1954 Q	Anon1351+09	13	51.0	+09 58						20.0		12W	8N	18.5*	May *	Zwicky
- 1954 R	NGC 210	00	38.0	-14 09	Sb	1	46	1768	B11.7	1.73		86E	80S	15.9*	Sep *	Zwicky
1954 S	Anon0033-08	00	33.2	-08 47	I:		-	17050:	18.5			1W	6S	17.4*	Sep *	Zwicky
1954 T	Anon2234+03	22	34.7	+03 28	S	7:		12883	16.5			7E	7S	19.0*	Jul *	Zwicky
1954 U	Anon2356-05	23	56.3	-05 53	I:		-			18.7		6W	6N	17.8*	Sep *	Zwicky
1954 V	Anon0010-07	00	10.6	-07 52	E1		-			19.0		4W	7N	20.0*	Sep *	Zwicky
- 1954 W	Anon1426+00	14	26.1	+00 46	Sa:			1540		15.2		15E	5N	19.4*	May *	Zwicky
1954 X	Anon1348+17	13	48.8	+17 53	Sbc					16.7		3E	9S	18.5*	Apr *	Zwicky
- 1954 Y	M-03-35-37	13	52.1	+15 17	SB0			5700		14.1	1.14	13W	0	19.4*	Apr *	Zwicky
- 1954 Z	M-02-25-30	09	42.6	+09 20	Sbc	5:	56	5626	B13.4	1.27		14W	19S	16.0*	Feb *	Zwicky
- 1954 aa	NGC4129	12	06.3	-08 45	Sc	3	72	1210	B13.2	1.41		53W	6N	19.9*	Apr *	Zwicky
1954 ab	Anon1155-05	11	55.7	-05 39	Sc:					18.9		0	1N	17.5*	Apr *	Zwicky
- * 1955 A	NGC4157	12	08.6	+50 47	Sbc	3:	76	916	B11.6	1.84		103E	40N	16.0*	Apr *	Zwicky
1955 B	M-02-03-74	01	05.0	-13 30	SBa			16024		15.7		2W	5N	15.8 I:	Oct 3	Zwicky
- 1955 C?	NGC 23	00	07.3	+25 39	SBa	2	46	4568	B12.8	1.37		10E	10N	V16.0*	Oct *	Sandage
1955 D	M-03-03-06	00	49.5	-16 41	SBb	3	00	6392	15.1	1.19		1E	12N	15.5*	Nov *	Haro
- 1955 E	NGC4335	12	20.6	+58 44	E2			4615		13.7	1.35	19W	7S	16.3*	May *	Zwicky
- 1955 F	M-00-31-25	12	01.2	+01 59	Sb	66		5521		15.0	1.16	15E	17N	19.5*	Apr *	Zwicky
- 1955 G	Anon1123+03	11	23.5	+03 46	S			10544		15.2		8E	10S	19.4*	Apr *	Zwicky
1955 H	Anon1108+03	11	08.2	+03 12	I:		-			19.4		3E	3S	18.8*	Apr *	Zwicky
- 1955 I	Anon1409+01	14	09.0	+01 23	Sa:			7128		15.8		1E	6S	19.3*	May *	Zwicky
- 1955 J	Anon1409+00	14	09.2	+00 57	Sa:			7442		15.6		3E	2N	17.9*	May *	Zwicky
- 1955 K	M-03-37-10	14	20.0	+15 18	P		-	2304		14.2	0.98	3W	7S	18.4*	May *	Zwicky
1955 L	M-05-26-47	11	02.2	+30 18	S					14.7		8E	14N	16.5*	Mar *	Lovas
- * 1955 M	NGC5857	15	05.2	+19 47	SBb	57		4705	B13.8	1.15		27W	25N	14.5*	May *	Zwicky
1955 N	Anon1108+24	11	08.6	+24 27	I:		-			17.7		4E	1S	19.8*	Mar *	Zwicky
1955 O	Anon1109+22	11	09.8	+22 03	Sa:					17.0		1E	6N	19.3*	Mar *	Zwicky
1955 P	Anon1129+25	11	29.5	+25 15	Sb:					17.2		13W	3S	18.5*	Mar *	Zwicky
- 1956 A	NGC3992	11	55.0	+53 39	SBbc	1	50	1059	B10.6	1.88		67E	9S	12.5: I	Mar17:	Gates
- 1956 B	NGC4782	12	52.0	-12 16	E0 p		-	3997	B12.8	1.19		40W	15S	18.6*	Apr *	Zwicky
- 1956 C	Anon1240+04	12	40.6	+04 05	S					16.7		5E	27S	17.6*	Feb *	Zwicky
- 1956 D	IC 850	13	05.2	-00 35	S:			75	5458	14.8	0.89	12E	6N	19.2*	Feb *	Zwicky
1956 E	Anon1128-15	11	28.5	-15 52	Sc:					17.5		3E	4S	19.5*	Feb *	Zwicky
1956 F	Anon1320+07	13	20.5	+07 04	I:		-			19.5		1E	1S	19.6*	Mar *	Zwicky
1956 G	Anon1314+02	13	14.6	+02 36	Sc:					17.5		9W	5N	19.3*	Mar *	Zwicky
1956 H	Anon1318+02	13	18.2	+02 32	Sc:					17.5		2W	11N	19.3*	Feb *	Zwicky
1956 I	Anon1315-01	13	15.2	-01 18	I:		-			18.7		4W	0	20.2*	Apr *	Zwicky
- 1956 J	Anon1308+00	13	08.2	+00 18	Sc:			11839:		15.4		9E	5S	19.8*	Apr *	Zwicky
- 1956 K	Anon1311-03	13	11.2	-03 20	Sb	5:		9087		15.1		12W	1S	19.6*	Feb *	Zwicky
- * 1957 A	NGC2841	09	18.5	+51 11	Sb	1	62	631	B10.1	1.91		106W	73N	14.0 I	Mar 1	Schurer
- 1957 B	NGC4374	12	22.5	+13 10	E1		-	1000	B10.3	1.70		8W	47N	12.2 I	May 8	Romano, Gates
- * 1957 C	NGC1365	03	31.7	-36 18	SBb	2	56	1724	B10.1	1.99		54W	75N	16.5*	Oct *	Gates
- * 1957 D	NGC5236	13	34.3	-29 37	SBc	2	24	506	B 8.2	2.05		20E	127N	15.0*	Dec *	Gates

TABLE I (*continued*).

SN	Galaxy	α (1950.0)		δ	type	GALAXY DATA				SUPERNOVA DATA			discoverer		
		h	m	$^\circ$		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type		
1958 A	M+03-41-27	15	58.6	+19 52	Sa:				17.5		1W	5S	19.0*	Aug *	Zwicky
1958 B	Anon0234+01	02	34.5	+01 07	Sb				16.0		1W	7N	18.0*	Dec *	Humason
- 1958 C	E443-G18	12	55.4	-30 19	Sb				17.5		21W	22N	19.6*	Apr *	Zwicky
1958 D	Anon1151-30	11	51.2	-30 28	Sc				16.0		6W	13S	19.5*	Apr *	Zwicky
1958 E?	M+07-07-72	03	17.4	+42 36	Sb				16.0		11W	0	17.5*	Feb *	Gates
- 1958 F?	NGC5082	13	18.0	-43 26	SB0	70			15.0	1.49	25W	0	16.0*	Jun *	Humason
- 1959 A	NGC1350	03	29.2	-33 48	SBab	3	56	1802	B11.4	1.63	22E	70N	16.0*	Jan *	Gates
- 1959 B	NGC4921	12	59.0	+28 09	SBab	27	5459	B13.0	1.43		16E	48S	18.5*	Pec Feb	Humason
- 1959 C	M+01-34-05	13	08.8	+03 40	SBc: p	81	2990	15.4	1.17		7E	3S	B14.1 I	Jun28	Humason
- 1959 D	NGC7331	22	34.8	+34 10	Sbc	2	68	794	B10.4	2.03	32W	13N	B13.9 II	Jul 3	Humason
- * 1959 E	NGC4321	12	20.4	+16 06	Sc	1	27	1568	B10.1	1.84	58E	21S	17.5* I	Sep:	Humason
1959 F	M-00-08-25	02	47.2	-00 44	SBbc:	47	6521	15.1	1.12		28E	20N	18.5*	Dec *	Humason
1959 G	Anon2007-44	20	07.2	-44 05					15.6		4E	4S	14.5*	Sep *	Hoffmeister
1960 A	Anon0232+01	02	32.8	+01 53	S				16.5		5E	8S	16.0*	Jan *	Humason
- 1960 B	M+02-32-144	12	32.2	+09 17	S0:		12861	B14.9			5E	6S	16.0*	Feb *	Kearns
- 1960 C	M+03-31-41	12	04.6	+17 16	SBb	00	6740	14.9	0.83		4W	9N	17.0*	Feb *	Humason
- 1960 D	M+04-20-30	08	17.4	+21 02	Sdm	21	5008	15.5	1.23		18E	26S	16.4*	Mar *	Humason
- 1960 E	Anon1215+48	12	15.1	+48 10	Sb:				17.8		1E	8S	16.5*	Mar *	Humason
- 1960 F	NGC4496A	12	29.1	+04 13	Sbc	6	37	1730	B12.0	1.59	38E	24N	B11.6 Ia	Apr20	Humason
1960 G	M+03-29-60	11	28.5	+18 40	Sc				16.0		14E	6S	17.5*	Apr *	Humason
- 1960 H	NGC4096	12	03.4	+47 45	Sc	3	72	494	B11.0	1.81	67E	114N	14.5* Ia	Jun:	Wild, Humason
- 1960 I	M+08-23-37	12	24.6	+48 33	SB	17	7800	14.7	1.05		5E	11S	15.7 I	May15	Humason
- 1960 J	NGC4375	12	22.5	+28 50	SBab p	32	9165	13.9	1.21		37E	17N	18.5*	Jun *	Humason
1960 K	M+06-49-68	22	37.4	+34 07	S	7	00	7386	15.2	0.87	10W	6S	19.0*	Jun *	Humason
- * 1960 L	NGC7177	21	58.3	+17 30	Sab	3	46	1105	B12.0	1.52	6E	54S	16.0*	Aug *	Humason
- 1960 M	NGC2565	08	16.9	+22 11	SBbc:	3:	62	3684	B13.4	1.28	13W	34N	15.7* I	Sep	Gomes
- 1960 N	M+04-20-51	08	23.2	+21 37	Sdm:	67	5344	15.5	1.05		11E	12N	16.6* I	Oct	Gomes
- 1960 O	M+05-55-40	23	33.9	+27 39	Sc				16.5		1W	10N	18.5*	Nov *	Humason
1960 P	M+05-03-47	01	03.4	+31 08	Sbc:	6:	70	9322	15.5	1.31	4E	2N	17.5* I	Nov	Gomes
1960 Q	Anon0133-05	01	33.4	-05 45	Sc		15744		18.5		1E	2S	17.5*	Dec *	Humason
- 1960 R	NGC4382	12	22.9	+18 28	S0 p	42	760	B10.1	1.85		8E	132S	B11.9 I	Dec19	Gates, Rosino
1961 A	M+00-08-02	02	41.5	+00 34	SBc	2			16.1		9E	27N	19.0*	Jan *	Humason
1961 B	IC2363	08	22.9	+19 37	SBbc:	2		7616	15.0		9E	18N	18.5*	Jan *	Humason
1961 C	M+07-05-29	02	12.3	+40 53	Sc:				16.4		3E	8S	18.2*	Jan *	Humason
- 1961 D	M+05-30-101	12	48.3	+28 06	E0		7638		14.8		32E	12S	16.0 I	Jan 5	Kearns
1961 E	Anon1515+05	15	15.1	+05 14	Sa		12900		15.7		10W	2S	17.0*	Jan *	Gomes
- 1961 F	NGC3003	09	45.6	+33 39	Sbc	6:	73	1476	B12.2	1.77	34E	17N	13.0 IV	Feb23	Wild
1961 G	M+04-25-12	10	19.6	+21 29	Sb		16125		16.3		9W	2S	18.2*	Apr *	Humason
- 1961 H	NGC4564	12	33.9	+11 43	E6		1111	B12.0	1.49	0	5N	B11.8 Ia	May 8	Romano	
- * 1961 I	NGC4303	12	19.4	+04 45	Sc	1	24	1566	B10.2	1.78	82E	12S	B13.5* III	Jun	Humason
1961 J	M+05-38-27	16	09.8	+29 42	Sa				19.5		1W	1S	16.0* III	Jun:	Kearns
- 1961 K	M+03-31-25	12	00.8	+16 47	Sbc:		24	3510	14.6	0.77	10W	5S	16.3*	Jun *	Humason
1961 L	NGC3221	10	19.6	+21 50	SBc:	6	74	4103	14.3	1.52	19W	53N	17.5*	Jul *	Wild
1961 M	M+05-03-75	01	07.2	+32 05	S	32	5246	14.0	1.36		16E	37N	17.0*	Aug *	Kearns
1961 N	IC5342	23	36.2	+26 44	E0		9221		15.4	0.57	1E	7S	16.8*	Sep *	Humason
1961 O	M+07-06-19	02	23.5	+43 24	Sc				17.0		2W	10N	17.0*	Sep *	Humason
- 1961 P	M+06-06-62	02	32.5	+37 25	Sd	6	50	3665	B12.9	1.38	0	36S	14.3 Ia	Sep12	Wild
- 1961 Q	NGC 550	01	24.1	+01 45	Sa	61	5962	B13.3	1.24		20W	13N	17.2*	Nov *	Humason
- * 1961 R	M+05-03-76	01	07.2	+32 38	S				15.5		11W	5N	17.0*	Nov *	Humason
1961 S	M+04-25-05	10	18.3	+21 58	E1:				15.8		19E	6S	18.3*	Nov *	Kearns
1961 T	M+06-21-66	09	36.0	+33 40	I:				19.5		3W	5N	17.5*	Nov *	Gates
- * 1961 U	NGC3938	11	50.2	+44 23	Sc	1	24	874	B10.9	1.73	81E	104N	13.8 II	Jan 1, 1962	Wild
- * 1961 V	NGC1058	02	40.3	+37 08	Sc	4	17	519	B12.2	1.48	76E	17N	12.7 V	Dec11	Wild
- 1962 A	M+05-31-132	13	04.3	+28 08	S0:	49	6137	16.0	1.19		11W	7N	15.2 I	Jan20	Zwicky
1962 B	M+05-36-25	15	20.7	+29 57	Sa	37	6907		14.9	0.99	5E	1S	17.0* I	Jan	Zwicky
1962 C	M+03-41-85	16	02.8	+17 43	S				18.5		12E	6N	18.0*	Jan *	Zwicky
1962 D	M-05-25-12	10	30.8	-27 39	I:				17.4		0	2S	16.0*	Feb *	Zwicky
- 1962 E	M+04-27-10	11	12.5	+26 10	E1		14250		15.5		4W	14S	16.8: I:	Feb20:	Rudnicki
1962 F	M+04-20-13	08	14.5	+21 50	SBc	1	34	3617	14.5	1.37	38E	40S	16.5*	May *	Berger
1962 G	M+05-36-34	15	26.0	+29 11	Sa:				16.5		4E	4S	19.0*	May *	Zwicky
1962 H	IC4237	13	21.8	-20 52	SBb	42	2731	13.8	1.29		19W	3S	13.0: II	Jun	Chavira, Haro
- 1962 I	M+05-31-112	13	00.5	+27 47					19.0		8W	7N	16.6 I:	May18	Berger
1962 J	NGC6835	19	51.8	-12 41	I0		1557	B13.4	1.43		42W	23S	13.7 Ia	Aug30	Wild, Bertaud
- * 1962 K	NGC1090	02	44.0	-00 27	SBbc	7:	62	2729	B12.6	1.58	52W	10N	18.2*	Sep *	Rudnicki
- 1962 L	NGC1073	02	41.1	+01 10	SBc	3	21	1874	B11.6	1.69	0	150S	11.4: II	Nov29	Sersic
- 1962 M	NGC1313	03	17.6	-66 40	SBd	6	39	450	B 9.4	1.93	0	150S	11.4: II	Nov29	Sersic
1962 N	M+05-36-13	15	19.0	+26 31	Sb	5:			15.6		0	3N	17.0*	Dec *	Zwicky
1962 O	M+07-08-01	03	21.2	+39 51	E:		14150		18.6		15E	11N	19.8*	Nov *	Zwicky
1962 P	NGC1654	04	43.3	-02 11	S	00	4540	14.2	0.99		25SE		14.5: I	Nov 1:	Rosino
- * 1962 Q	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	34W	11S	16.9*	Feb *	Shachbasian, Iskudarian
1963 A	M+05-36-32	15	24.9	+26 37	Sc:		10400		17.5		10W	1N	18.1*	Jan *	Zwicky
1963 B	Anon1509+05	15	09.0	+05 26	S		11800		15.3		3E	6S	17.0* I	Jan	Zwicky
- 1963 C	M+05-31-32	12	55.3	+28 09	E3		6050		15.3	0.75	5W	6N	15.6 I	Jan26	Zwicky
- 1963 D	NGC4146	12	07.8	+26 42	SBab:	21	6930	B13.4	1.20		19E	27S	B15.8 I	Jan23	Rosino
1963 E	IC1703	01	23.8	-01 54	SB0:	52	5688	14.9	1.36		2E	11S	16.5* I	Jan	Mendez

TABLE I (*continued*).

SN	Galaxy	α (1950.0)			δ ° '	type	GALAXY DATA				SUPERNOVA DATA				discoverer	
		h	m	s			Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type		
1963 F	M+05-36-18	15	20.3	+28 01	E2	—	—	—	—	17.7	—	1W	7S	V17.6*	Mar *	Zwicky
- 1963 G	IC3112	12	15.3	+26 18	Sb:	56	7741	15.3	1.12	—	7E	17S	15.8*	Feb *	Kurochkin	
- 1963 H	Anon1519+05	15	19.9	+05 34	E3	—	4994:	15.2	—	—	6W	5N	18.5*	Mar *	Zwicky	
- 1963 I	NGC4178	12	10.2	+11 09	Sbc	3	67	355	B11.9	1.70	10W	22S	B13.3 I	May 5	Zaytseva	
- * 1963 J	NGC3913	11	48.0	+55 37	Sd:	5:	17	855	14.2	1.42	5W	12S	B13.3 Ia	May 24	Zwicky, Wild	
- * 1963 K	NGC3656	11	20.8	+54 07	I0: p	—	2828	B13.1	1.24	11E	19S	15.0*	I:	Bertaud		
- 1963 L	M+06-07-09	02	44.8	+37 20	SBdm	6	42	623	14.3	1.43	21W	27S	15.0* I	Jun	Reaves	
- 1963 M	M+05-31-35	12	55.5	+28 20	Sa:	—	8163	16.3	—	—	2W	7S	15.7 I	Jun 14	Reaves	
- 1963 N	NGC 536	01	23.6	+34 27	Sbb	3	59	5160	B12.9	1.57	28W	7S	17.7* II	Jun	Gates	
- 1963 O	NGC5905	15	14.0	+55 42	Sbb	1	37	3200	B12.3	1.62	60W	9S	15.6 I	Aug 10	Wild	
- 1963 P	NGC1884	02	43.5	-07 47	Sc	2	58	1465	B11.2	1.46	33E	8S	B14.0 Ia	Sep 30	Wild	
- 1963 Q	IC1195	16	04.4	+17 19	Sb	1	42	12121	15.4	0.76	8W	3N	17.0* Sep	* Reaves		
1963 R	M+06-06-64	02	33.2	+35 44	Sb	—	—	—	—	17.5	—	2W	1S	16.8* Oct	* Kowal	
1963 S	Anon0121+01	01	21.0	+01 18	Sa	—	9710	15.7	—	—	5E	5S	15.0* Dec	* Chavira		
1963 T	Anon0121+33	01	21.6	+33 47	Sbc	—	—	—	—	17.7	—	0	0	17.5* Oct	* Kowal	
1963 U	M+06-22-24	09	50.3	+36 18	I	—	5482	14.9	0.87	2W	9N	15.0* Pec	Dec	Kowal		
1963 V	Anon0232-06	02	32.0	-06 18	I:	—	—	—	—	16.5	—	6W	5S	16.0* Sep	* Kowal	
1963 W	Anon0227+43	02	27.8	+43 44	Sa:	—	—	—	—	17.	—	8E	3S	17.0* Aug	* Kowal	
1963 X	Anon1210+21	12	10.5	+21 17	E:	—	—	—	—	15.8	—	—	—	16. * Mar	Hoffmeister	
- * 1964 A	NGC3631	11	18.2	+53 27	Sc	1	27	1087	B11.0	1.66	74W	92N	17.0* V	Feb	Wild	
1964 B	UGC2646	03	14.8	+40 11	S:	—	5388	16.3	—	—	22W	12S	16.7* I	Feb	Kowal	
1964 C	Anon1603+17	16	03.8	+17 35	Sb	—	—	—	—	16.5	—	7W	5S	17.3* I	Feb	Zwicky
- 1964 D	NGC4887	12	58.1	-14 24	SO:	61	2696	14.8	1.20	—	11E	4S	16.5*	Feb *	Haro	
- 1964 E	M+09-20-51	11	56.6	+52 59	SBcd	5	42	1068	14.5	1.58	83W	44S	B12.5 I	Mar 3	Lovas	
- * 1964 F	NGC4303	12	19.4	+04 45	Sc	1	24	1566	B10.2	1.78	28W	1S	12.0: II	Jun 13	Rosino	
- 1964 G	Anon1621+39	16	21.9	+39 20	S	—	—	8365	15.7	—	3E	11N	16.0* Jun	* Kowal		
- 1964 H	NGC7292	22	26.1	+30 03	Im	7	—	934	B12.8	1.33	28W	9S	14.8* II	Jun	Gates	
1964 I	Anon1621+41	16	21.4	+41 20	SB	7	—	—	18.0	—	17E	18N	18.0* Sep	* Kowal		
1964 J	M-02-02-64	00	33.6	-10 10	Sc	—	00	4866	14.9	1.19	4E	10S	17.0* Oct	* Chavira		
1964 K	M+01-59-19	23	12.2	+07 26	Sc:	7:	60	4648	15.7	0.93	1W	8S	18.0* Nov	* Kowal		
- * 1964 L	NGC3938	11	50.2	+44 23	Sc	1	24	874	B10.9	1.73	3W	31N	13.4 Ib	Dec 8	Wild	
1964 M	Anon1024+20	10	24.5	+20 42	Sc	—	—	5763	16.3	—	14W	5S	18.0* Dec	* Zwicky		
1964 N	M+05-06-42	02	23.6	+29 36	Sb	—	10780	15.7	—	—	24W	0	16.0* Sep	* Kowal		
1964 O	Intergalactic	15	07.5	+55 39	Intergalactic				—	—	—	—	15.0*	Sep	Wild	
- 1965 A	NGC4410B	12	23.9	+09 18	SO p	—	7533	B14.2	—	—	17E	10N	16.0* I	Jan *	Chavira	
- 1965 B	NGC4727	12	48.3	-14 05	SBbc:	32	5169:	14.2	1.21	—	6W	8N	16.0* Jan	* Chavira		
1965 C	Anon1140+18	11	40.7	+18 48	S:	—	—	—	16.3	—	1E	8S	18.0* Jan	* Zwicky		
1965 D	M-05-25-32	10	37.1	-27 39	Sc	29	3208	14.5	0.87	—	17E	29N	14.0* Feb	* Zwicky		
1965 E	Anon0947+34	09	47.2	+34 39	Sb	—	6595	16.9	—	—	36W	5N	16.4* Mar	* Zwicky		
1965 F	Anon1608+19	16	08.4	+19 11	Sc	—	—	—	16.6	—	11W	2N	18.0* Mar	* Zwicky		
- 1965 G	NGC4162	12	09.3	+24 24	Sbc	3	51	2546	B12.3	1.40	19E	23S	14.0* Mar	* Haro, Hoffmeister		
- 1965 H	NGC4666	12	42.6	-00 10	Sbc	3	70	1645	B11.6	1.65	22W	29S	14.1* II	May:	Chavira	
- * 1965 I	NGC4753	12	49.8	-00 56	I0	—	1255	B10.9	1.73	98W	68N	B12.5 Ia	Jun 17	Rosino		
1965 J	NGC1310	03	19.1	-37 19	Sc:	41	1715	14.8	1.37	—	14E	7S	18.0* Aug	* Reaves		
- 1965 K	M+05-06-51	02	26.4	+31 15	Sab	3	37	5098	14.5	1.16	18W	8S	16.0* Sep	* Hoffmeister		
- * 1965 L	NGC3631	11	18.2	+53 27	Sc	1	27	1087	B11.0	1.66	38W	58N	14.7: II	Aug 5:	Wild	
- * 1965 M	NGC7606	23	16.5	-08 46	Sb	1	63	2341	B11.6	1.76	30W	50N	16.0* Oct	* Wild		
- 1965 N	NGC3074	09	56.7	+35 38	Sc	3	24	5144	14.8	1.40	6E	9N	15.4: II	Jan 2, 1966	Rudnicki	
1965 O?	Anon1159+50	11	59.8	+50 12	—	—	—	—	—	—	13W	17N	17.5* Jan	* Lovas		
1965 P	NGC2599	08	29.2	+22 44	Sa	—	00	4532	B13.0	1.38	13E	5N	15.7* Mar	* Gates		
1966 A	M+08-17-63	09	11.6	+47 07	S	56	4212	14.0	1.08	—	3E	10S	15.5* I	Jan	Rosino	
- 1966 B	NGC4688	12	45.2	+04 36	SBcd	7	21	977	B12.7	1.52	24W	38S	B14.9 II	Jan 29	Yakimov, Gates	
1966 C	Anon1627+41	16	27.5	+41 06	Sa	—	10334	16.0	—	—	12E	4N	16.8* Jan	* Rudnicki		
1966 D	Anon1133+20	11	33.6	+20 48	Sa:	—	6533	15.5	—	—	12W	8S	19.5* Jun	* Rudnicki		
- 1966 E	NGC4189	12	11.3	+13 42	Sbc	3	29	2115	B12.5	1.39	20W	36N	14.6: II	Jul:	Wild	
- 1966 F	NGC4453	12	26.2	+06 47	Sc p	62	11568	B15.7	0.79	7E	6S	V17.5* Jul	* Rudnicki			
- * 1966 G	NGC 521	01	22.0	+01 28	SBbc:	1	21	5003	B12.5	1.53	60E	13N	15.5* Aug	* Reaves, Lovas		
1966 H	Anon0118+03	01	18.0	+03 10	Sc:	—	—	—	17.0	—	6E	1S	19.0* Sep	* Kowal		
1966 I	Anon0031+30	03	31.8	+30 07	S	—	6062	17.0	—	—	1W	0	16.0: Sep	* Kowal		
- 1966 J	NGC3198	10	16.9	+45 49	Sbc	3	63	649	B10.9	1.92	100W	165S	B11.4: Ib	Nov 30:	Wild	
* 1966 K	M+05-27-53	11	15.6	+28 33	SO:	00	9808	14.7	1.22	—	26W	15N	17.8* Dec	* Rudnicki		
1966 L	M+06-03-19	01	08.3	+33 35	Sc	—	—	—	15.5	—	7W	3S	17.6* Dec	* Rudnicki		
1966 M	Anon0234+37	02	34.0	+37 56	Sb	—	—	—	16.5	—	1E	5N	18.5* Dec	* Kowal		
1966 N	M-01-12-37	04	34.3	-03 08	Sc	—	4713	16.0	—	—	19E	17N	14.7: I	Oct 15:	Rosino	
1966 O?	Intergalactic	11	13.5	+29 38	Intergalactic				—	—	—	—	15.5*	Feb *	Anderson, Luyten, Sandage	
1967 A	Anon0113+02	01	13.9	+02 45	I:	—	—	—	18.5	—	5E	0	17.0* Jan	* Kowal		
1967 B	Anon1115+04	11	15.8	+04 08	I:	—	—	—	18.5	—	3E	0	14.5* Jan	* Chavira		
- 1967 C	NGC3389	10	45.8	+12 48	Sc	5	56	1267	B12.4	1.43	43W	44N	B13.0 Ia	Feb 24	Chuadse, Lovas	
1967 D	Anon1151+20	11	51.7	+20 18	Sc	—	—	—	15.6	—	12W	9N	19.5* Feb	* Rudnicki		
- 1967 E	M+07-06-18	02	23.2	+42 38	Sa:	—	26544	17.	—	—	18W	6N	18.0* Mar	* Rudnicki		
1967 F	Anon1603+18	16	03.9	+18 28	S:	—	—	—	18.	—	1E	5N	19. *	May *	Kowal	
- * 1967 H	NGC4254	12	16.3	+14 42	Sc	1	27	2413	B10.4	1.73	80E	19S	14.0: II	Jul	Zwicky	
1967 I	Anon1526+28	15	26.0	+28 49	Sa	—	—	—	16.5	—	3W	6N	18.5* Jun	* Zwicky		
1967 J	Anon0108+32	01	08.3	+32 58	Sb	—	—	—	15.7	—	9W	9N	17.5* Nov	* Zwicky		
1967 K	M+06-04-32	01	26.9	+33 35	Sc	—	—	—	15.6	—	13W	14S	15.0* Dec	* Kowal		

TABLE I (*continued*).

SN	Galaxy	α (1950.0)			type	GALAXY DATA				SUPERNOVA DATA				discoverer		
		h	m	δ		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type			
- 1968 A	NGC1275	03	16.5	+41 20	E p	-	5160	B12.4	1.41	7E	24S	15.5*	I	Jan	Lovas	
- * 1968 B	NGC4874	12	57.2	+28 14	E0	-	7171	B12.9	1.43	12W	1N	17.4*		Feb *	Zwicky	
- 1968 C	Anon1057+26	10	57.5	+26 59	I:	-		18.0		1E	2S	17.8*		Feb *	Zwicky	
- * 1968 D	NGC6946	20	33.8	+59 59	Scd	1	27	46	B 9.6	2.04	45E	20N	13.5*	II	Feb	Wild, Dunlap
- 1968 E	NGC2713	08	54.7	+03 06	SBab	3	63	3961	B12.6	1.59	6E	14S	B14.4	Ia	Mar 8	Chavira
- 1968 F	NGC3834	11	41.0	+19 22	Sa	42	6533	15.1	1.27	8W	11N	V16.2*		Feb *	Hersog	
1968 G	Anon0813+20	08	13.0	+20 37	Sc		12800	17.5		12E	2S	17.4*	I	Apr	Zwicky	
1968 H	Anon1255+27	12	55.9	+27 24	E	-	12050	16.6		9W	2N	16.6	I	May 1:	Zwicky	
- 1968 I	NGC4981	13	06.1	-06 31	SBbc	4	37	1797	B11.8	1.44	2E	7N	13.5*	I	Apr	Lovas
1968 J?	Anon1404+53	14	04.1	+53 22	Sa			15.4			2W	12S	16.6:		May	Jankovitch
1968 K	Anon1600+17	16	00.8	+17 19	S:			18.			8E	0	17.5*		May *	Kowal
- * 1968 L	NGC5236	13	34.3	-29 37	Sbc	2	24	506	B 8.2	2.05	5W	0	B12.0	II	Jul15	Bennett
1968 M	Anon2318+14	23	18.5	+14 57	Sb:	7:		18.			5W	7S	15.4		Jul31	Kowal
1968 N	M+05-02-11	00	22.6	+29 47	SBc	00	4773	15.5	1.12	34E	19S	19.0:		Jul	Kowal	
- 1968 O	Anon0022+29	00	22.0	+29 00	Sb		4749	14.8		7W	6N	15.8*		Jul *	Kowal	
1968 P	Anon2335+26	23	35.1	+26 32	Sa			16.5			5E	3S	V16.8*		Jul *	Zwicky
1968 Q	Anon0116+04	01	16.3	+04 40	Sc			17.			5W	5N	18.5*		Aug *	Kowal
1968 R	Anon0127-02	01	27.3	-02 57	Sc						9W	13S	15.5*		Aug *	Kowal
1968 S?	Anon2142+02	21	42.3	+02 51	S	6:		16.5			2E	2S	16.5*		Sep *	Jankovitch
1968 T	M+07-34-35	16	25.3	+41 22	Sc	6:	00	8580	15.2	1.12	2E	14S	V18.0*		Oct *	Zwicky
- 1968 U?	NGC4183	12	10.7	+43 58	Scd	7	80	928	B12.4	1.70	20W	95N	14.5*		Oct *	Dunlap
- * 1968 V	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	35W	36N	V15.7*	II:	Jan	Shachbasian
- * 1968 W	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	7W	7N	16.6*		Mar *	Iskudarian
- * 1968 X?	NGC4939	13	01.7	-10 05	Sbc	1	57	3096:	B11.6	1.76	35W	8N	16.0*		Nov *	Wild
1968 Y	Anon0129+32	01	29.7	+32 03	S:			15.7			1W	5N	18.5*		Dec *	Kowal
1968 Z?	NGC7768	23	48.4	+26 53	E2	-	7955	14.0	1.22	24W	61N	17.9*		Sep *	Priser	
- 1968 aa	NGC4975	13	05.4	-04 45			5302	15.5	0.70	12E	36N	15. *		Apr *	Mnatskanian	
- 1969 A?	M-08-09-04	03	34.9	-36 25	SBb:	3:		16.0					17. *		Jan *	Chavira
- 1969 B	NGC3556	11	08.5	+55 56	SBcd	5	72	680	B10.7	1.92	84W	12S	B13.9	II	Jan23	Wild, Balass
- * 1969 C	NGC3811	11	38.6	+47 58	SBcd:	p 5	39	3120	B12.7	1.38	9E	6N	B14.4	Ia	Feb 2	Rosino, Jankovich
1969 D	Anon0515+05	05	15.0	+05 47	I		18154	16.5		2W	5N	17.5*		Feb *	Kowal	
- 1969 E	NGC4526	12	31.5	+07 58	S0:	71	533	B10.6	1.86		11W	27S	16.0*		Mar *	Chavira
- 1969 F	M-03-34-48	13	17.4	-16 52	E0:	-	6168	16.0		4W	10S	16.0*		Apr *	Zwicky	
1969 G	Anon1231+06	12	31.2	+06 10	S:			17.0			4E	7N	18.0*		Apr *	Kowal
- * 1969 H	NGC4725	12	48.0	+25 46	Sab p	1	44	1114	B10.0	2.04	18E	10N	15.0*	I	Jun:	Fairall
1969 I	Anon1555+19	15	55.6	+19 37	S:			18.			0	9N	17.0*		Jun *	Kowal
1969 J	M+05-04-59	01	23.7	+31 21	SBb	1:	37	13524:	15.0	1.08	5E	7N	17.0*		Oct *	Kowal
1969 K	M+04-55-43	23	38.2	+26 33	E2	-	11840	15.1	1.04	13E	19S	17.5*		Nov *	Kowal	
- * 1969 L	NGC1058	02	40.3	+37 08	Sc	4	17	519	B12.2	1.48	190E	110S	B13.3	II	Dec 6	Rosino, Gallivan
1969 M	Anon0326+39	03	26.5	+39 51	S:		6818	16.5		15E	1S	17.5*		Dec *	Kowal	
1969 N	Anon0127-01	01	27.8	-01 12	I:	-		19.			9W	4S	16.0*		Dec *	Kowal
1969 O	Anon0103+02	01	03.8	+02 53				18.0			6W	7S	18.2*		Sep *	van den Bergh
- * 1969 P	NGC6946	20	33.8	+59 59	Scd	1	27	46	B 9.6	2.04	5W	180S	13.9*		Dec *	Rosino
- 1969 Q?	NGC4472	12	27.2	+08 17	E2	-	969	B 9.3	1.95	120E	0	13.0*		Jun *	Evans	
- 1970 A	IC3476	12	30.2	+14 20	Sc	3	29	-225	B13.3	1.34	17W	26S	15.4*	II:	Feb *	Grisunova
1970 B	Anon1050+14	10	50.4	+14 21	S:			16.5			1E	7N	15. *		Mar *	Kowal
- 1970 C?	M-01-33-68	12	58.0	-06 12	Sc:	7:	42	5038	14.5	1.19	9W	29N	16. *		Mar *	Wild
- 1970 D	Anon1035+11	10	35.2	+11 01	Sc			15407	15.1		6E	12N	17. *		Apr *	Kowal
1970 E	Anon1201+52	12	01.5	+52 12	Sa:			17.5			2E	5S	18.5*		May *	Kowal
1970 F	Anon1148+53	11	48.1	+53 20	S:			16.5			4E	5N	19.0*		May *	Kowal
- * 1970 G	NGC5457	14	01.5	+54 36	Sc	1	12	266	B 8.2	2.43	97W	370S	B11.7	II	Aug 2	Lovas
1970 H	UGC12005	22	20.2	+35 46	SB	7			16.5		13W	15N	17. *		Aug *	Priser
1970 I	Anon2315+05	23	15.1	+05 44	Sbc			13339	16.0		12W	5S	18.0*		Sep *	Kowal
- 1970 J	NGC7619	23	17.7	+07 55	E2	-	3757	B12.1	1.46	27W	30S	B14.4	Ia	Oct 6	Rosino	
1970 K	M+06-06-77	02	39.4	+36 20	Sc			16.7			1E	8S	18.5*		Oct *	Kowal
- 1970 L	NGC2968	09	40.2	+32 10	IO	-	1608	B12.8	1.34	120E	75N	13.3*	I	Oct	Wild	
1970 M?	Anon1045+14	10	45.6	+14 19				16.5			13E	1N	16.5*		Nov *	Lovas
- 1970 N	NGC 365	01	01.8	-35 23	Sc						0	17N	18.8*		Aug *	van Agt
1970 O	Anon1223+28	12	23.8	+28 02	S:						0	7N	13.7*		Feb *	Romano
- 1970 P	NGC5230	13	33.1	+13 56	Sc	2	27	6893	B12.8	1.35	12W	34S	17.2*		Jun *	Mnatskanian
* 1971 A	M+05-27-53	11	15.6	+28 33	S0:	00	9808	14.7	1.22	18E	13S	16.5*		Jan *	Kowal	
1971 B	M+08-22-25	11	49.9	+49 24	Sc				16.0		22W	20S	17.5*		Jan *	Kowal
- 1971 C	NGC3904	11	46.7	-29 02	E2:	-	1613	B12.0	1.35	167W	60S	V15.3*		Jan *	Jolly	
- 1971 D?	NGC5861	15	06.6	-11 08	S:	1	54	1851	B12.3	1.48	33E	2N	V15.5*		Feb *	Dunlap, Jolly
1971 E	Anon1523+26	15	23.1	+26 33	S			16.5			9E	8S	17.5*		Mar *	Kowal
- 1971 F	E446-G33	14	11.0	-32 22	Sb:	9		11254	16.0		44W	6N	17.3*		Mar *	Zwicky
- 1971 G	NGC4165	12	09.7	+13 31	Sa	44	1849	B14.2	1.18		3E	30S	B13.7	I	April 11	Rosino
1971 H	Anon1118+28	11	18.2	+28 34	Sc			18.0			11E	30S	18. *		Apr *	Kowal
- 1971 I	NGC5055	13	13.5	+42 18	Sbc	3	52	519	B 9.3	2.09	2W	147S	B11.9	Ia	May 29	Jolly, Clark
1971 J	Anon1203+14	12	03.5	+14 06	Sa			18.5			1E	1N	18. *		May *	Kowal
- * 1971 K	NGC3811	11	38.6	+47 58	SBcd:	p 5	39	3120	B12.7	1.38	30W	17S	B16.2	II:	Jun19	Kulikovskij
- 1971 L	NGC6384	17	30.0	+07 06	Sbc	1	45	1751	B11.3	1.78	27E	20N	B13.2	Ia	Jun30	Logan
1971 M	Anon1658+66	16	58.6	+66 16	S:			17.0			13E	6S	19.0*		Aug *	Kirshner
1971 N	Anon0009+28	09	09.7	+28 22	Sc		7286	16.5		5W	5N	17.0*		Aug *	Kirshner	
1971 O?	M+03-59-59	23	25.9	+18 11	Sc:			16.5			7E	2S	16.8*		Aug *	Kormendy

TABLE I (*continued*).

SN	Galaxy	α (1950.0) δ			type	GALAXY DATA				SUPERNOVA DATA				discoverer	
		h	m	s		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type		
- 1971 P	NGC7319	22	33.8	+33 43	SBbc p	39	6657	B14.0	1.24	27E	18S	16.8*	Ia	Rosino	
1971 Q?	Anon0107+31	01	07.9	+31 18	S:				16.5		8W	3N	18.5*	Ia	Kormendy
- 1971 R	IC4798	18	53.6	-62 10	Sa		4182				12SE		13. *	Oct *	Fairall
- 1971 S	NGC 493	01	19.6	+00 41	SBcd:	68	2338	B13.0	1.58	48E	38N	B15.7	II	Nov16	
- * 1971 T	NGC1090	02	44.0	-00 27	SBbc	7:	62	2729	B12.6	1.58	17W	13S	V16.0*	Nov *	Pigatto
- * 1971 U	M+05-26-14	10	45.7	+26 51	Sc p	5:	17	6293	14.5	1.18	10E	3S	V15.5*	I	Dec
1971 V	Anon0126+31	01	26.0	+31 56	Sc:				16.0		8E	21N	17.0*	Ia	Rosino, Bianchini
1972 A	Anon1512+27	15	12.6	+27 50	S:				16.5		1E	1N	17.0*	Jan *	Kowal
1972 B	Anon1111+54	11	11.9	+54 46	S:				17.0		6E	3N	V18.5*	Jan *	Kowal
1972 C	NGC3947	11	50.8	+21 02	SBbc	3	00	6242	14.2	1.20	28E	9N	16.0*	Jan *	Kowal
1972 D	Anon1039+12	10	39.0	+12 26	Sc				18.5		2E	1N	18.5*	Apr *	Kowal
- * 1972 E	NGC5253	13	37.1	-31 23	I0 p	-	403	B11.0	1.60	38W	100S	B 8.4	Ia	May10	
1972 F?	M+09-20-97	12	04.6	+53 57	Sa				16.0		17E	15S	16. *	May *	Lovas
1972 G	Anon1719+65	17	19.8	+65 58	E:				18.5		7W	6N	18.0*	May *	Kowal
- 1972 H	NGC3147	10	12.7	+73 38	Sbc	2	27	2721	B11.5	1.60	31E	37N	B15.0	I	Jul29
1972 I	Anon2312+14	23	12.7	+14 42	S:			12194	16.0		7W	9N	17.5*	Jul *	Kowal
- 1972 J	NGC7634	23	19.1	+08 36	SB0	41	3150	B13.4	1.17	5W	30S	B14.3	I	Aug20	
1972 K	Anon0106+31	01	06.2	+31 57	E1				16.5		1W	28N	16.0*	Sep *	Huchra
1972 L	NGC 735	01	53.7	+33 56	Sb	1	59	4748	13.9	1.30	28E	21S	15.0*	Sep *	Huchra
1972 M	NGC7564	23	13.1	+07 01	S			10241	15.6		3E	6S	18.0*	Oct *	Kowal
1972 N	M+05-02-16	00	25.7	+30 32	SB:	70	6418	14.3	1.28	41W	22N	V17.0*	Oct *	Kowal	
1972 O	Anon0516+05	05	16.4	+05 57	S:				18.0		1W	5S	V18.5*	Oct *	Kowal
1972 P	Anon0116+00	01	16.9	+00 16	S				17.5		1E	6N	V18.0*	Oct *	Kowal
- * 1972 Q	NGC4254	12	16.3	+14 42	Sc	1	27	2413	B10.4	1.73	15E	97N	B15.8	II	Dec16
- * 1972 R	NGC2841	09	18.5	+51 11	Sb	1	62	631	B10.1	1.91	46W	70S	16.0*	Ipec	Dec:
1972 S	Anon1214+24	12	14.8	+24 12	Sa:				17.7		1W	1S	16.3*	Apr *	Erastova
1972 T?	M+05-32-01	13	18.0	+31 47			5146	14.9		4W	0	14.0*	Mar *	Lovas	
1973 A	NGC3574	11	09.5	+27 53	E2				15.7	0.68	2W	30N	V18.0*	Jan *	Kowal
1973 B	Anon1512+02	15	12.7	+02 55					16.5		27W	16S	V15.0*	I	Kowal
- * 1973 C	NGC3656	11	20.8	+54 07	I0: p		2828	B13.1	1.24	11W	6S	V17.0*	Jan *	Kowal, Shakhbasyan	
1973 D	NGC3570	11	09.4	+27 51	SO	00			15.0	1.10	16E	10S	V17.0*	Jan *	Kowal
1973 E	Anon1254-04	12	54.5	-04 45	I:				16.4		0	4S	16.2*	Apr *	Zwicky
- 1973 F	NGC4944	13	01.5	+28 28	SO:	68	6993	B12.9	1.28	27E	3N	B15.7	I	Apr 9	
- 1973 H	M-01-31-04	12	02.9	-04 02	SBb:		9304	15.7		3E	16S	18.5*	Apr *	Zwicky	
1973 I	Anon1315-06	13	15.7	-06 40	I:				19.5		6E	14S	20.5*	Apr *	Zwicky
- * 1973 J	NGC4939	13	01.7	-10 05	Sbc	1	57	3096:	B11.6	1.76	17E	6S	16. *	May *	Wild
1973 K	Anon1211-05	12	11.1	-05 42	S:				18.3		6E	4N	19.1*	Apr *	Zwicky
1973 L	Anon2325+14	23	25.2	+14 16	Sb:			9278	15.7		5W	6S	V18.5*	Jun *	Kowal
- 1973 M	NGC7609	23	17.0	+09 13	P		11750	15.3	1.19	10E	2N	V19.0*	Jun *	Kowal	
- 1973 N	NGC7495	23	06.5	+11 48	Sc	5:	24	4892	14.7	1.33	14W	7S	15.:	Ia	Sep:
1973 O?	NGC7337	22	35.1	+34 07	SBb	39	6900	15.7	1.12	26W	28S	V19.0*	Sep *	Kormendy	
1973 P	M+06-06-49	02	28.5	+39 10	Sb	73	8005	14.3	1.41	13W	6N	V18.0*	Sep *	Kowal	
1973 Q	Anon2322+06	23	22.7	+06 04	I:				19.0		3W	5N	V18.5*	Sep *	Kowal
- 1973 R	NGC3627	11	17.6	+13 16	Sb	3	60	697	B 9.7	1.94	49W	25N	B15.0	II	Dec12
1973 S?	Anon2342+25	23	42.3	+25 27	E:				16.0		8E	3N	V18.5*	Dec *	Kowal
1973 T	Anon2316+13	23	16.8	+13 38	Sb		15708	15.7		4W	3N	V18.0*	Dec *	Kowal	
- 1973 U	IC 43	00	39.7	+29 22	Sc	5:	73	4861	14.4	1.41	21W	18N	V16.5*	II	Dec:
1973 V	M+09-18-102	11	09.4	+54 18	Sc	3:			15.4		18W	3S	V17.0*	II	Dec:
- 1974 A?	NGC4156	12	08.3	+39 45	SBb	1	32	6765	B13.9	1.19	15W	15N	20.0*	Jan *	Arp
- 1974 B	NGC5161	13	26.3	-32 54	Sc	1	64	2212	B12.0	1.73	13W	62N	14.5*	Jan *	Kowal
- 1974 C	NGC3310	10	35.7	+53 45	Sbc p	3	83	1019	B11.2	1.56	8E	14S	16.5*	Feb *	Kormendy
1974 D?	NGC3916	11	48.2	+55 25	Sb	5	72		14.8	1.25	34E	31N	15.5*	Mar *	Lovas
- * 1974 E	NGC4038	11	59.3	-18 35	SBm p	46	1650	B11.3	1.41		62E	42S	14.0*	Mar *	Lovas
1974 F	Anon1041+14	10	41.2	+14 17	E:				18.0		1W	5N	18.0*	Mar *	Kowal
- 1974 G	NGC4414	12	24.0	+31 30	Sc	3	53	715	B11.0	1.56	27E	56S	B12.4	Ia	May 2
1974 H	Anon2322+13	23	22.0	+13 42	SO		13140	16.0		24E	9S	V17.5*	Jul *	Kowal	
1974 I	Anon1730+43	17	30.0	+43 25	SBb	3					11W	23N	V18.0*	Jul *	Mnatsakanian
- 1974 J	NGC7343	22	36.3	+33 48	SBbc:	2	34	6500:	B14.3	1.09	10E	17S	B16.0	Ia	Oct14
1974 K	Anon0128+32	01	28.2	+32 04	S:				16.5		2W	6S	17.5*	Nov *	Kowal
- 1975 A	NGC2207	06	14.3	-21 21	Sbc p	1:	47	2680	B11.4	1.63	59E	55N	B14.6	Ia	Jan20
- 1975 B	Anon0316+41	03	16.4	+41 27	SO:			8568	16.0		1E	10N	15.:	Ib:	Mar:
- * 1975 C	NGC4246	12	15.4	+07 28	Sc	2	54	3724	B13.4	1.40	46W	18S	V18. *	Mar *	Kowal
1975 D	UGC5793	10	36.6	+15 06	S:				15.2		2E	11N	17.0*	Mar *	Kowal
- 1975 E	NGC4102	12	03.8	+53 00	Sb	3	52	897	B12.3	1.50	21E	27N	V16.7*	May *	Dunlap, Dunlap
- 1975 F	NGC2935	09	34.5	-20 54	SBb	1	34	2204	B11.0	1.55	5E	10S	V15. *	Pec	Dunlap, Dunlap
- 1975 G	M+09-23-25	13	59.5	+54 40	SO:		1900	14.9			14E	2S	B14.8	Ia	Jun11
1975 H	Anon1506+07	15	06.4	+07 08	SBb:				16.5		5W	9S	V18.5*	Jul *	Marcario
1975 I	Anon2316+14	23	16.5	+14 45	S:				18.		1W	10S	V18. *	Jun *	Kowal
1975 J	Anon0308+41	03	08.8	+41 58	S:				16.0		20W	6S	V15.5*	Aug *	Huchra
1975 K	NGC6195	16	34.8	+39 08	Sb	45	9000	14.7	1.25		3E	8N	V17.8*	Aug *	Kowal
1975 L	Anon0059+31	00	59.4	+31 15					18.7		1W	6S	V18.0*	Aug *	Kowal
- * 1975 M	M+05-03-76	01	07.2	+32 38	S:				15.5		7E	1S	V18.2*	Sep *	Kowal
- 1975 N	NGC7723	23	36.4	-13 14	SBb	2	44	1860	B11.9	1.56	30W	25N	B13.7	Ia	Nov 4
1975 O	NGC2487	07	55.3	+25 16	SBb	34	4864	14.0	1.44		26E	15N	B15.2	I	Nov28
- 1975 P	NGC3583	11	11.3	+48 36	SBb	3	45	2160	B12.2	1.45	51E	37S	B14.5:	I	Nov13

TABLE I (*continued*).

SN	Galaxy	α (1950.0)			δ	type	GALAXY DATA				SUPERNOVA DATA			discoverer	
		h	m	s	$^{\circ}$		Lc	inc	V_{hel}	mag	log D	offset	mag	type	
1975 Q	Anon0100+31	01	00.9	+31 46	S:					16.0		10W	4N	V15.5*	Nov *
1975 R?	Anon0137+32	01	37.0	+32 03	S:					16.0		2E	21N	15.0*	Dec *
- 1975 S	NGC1325	03	22.2	-21 43	Sbc	3	67	1670	B12.3	1.66	53E	77N	V14.6*	II: Dec:	
- 1975 T	NGC3756	11	34.0	+54 34	Sbc	3	57	1071	B12.2	1.64	54W	34S	B15.7	Jan 1976	
- 1976 A?	NGC5004A	13	08.7	+29 50	SBar	57	7163	15.3	1.20	7W	18N	16.5*	Feb *		
- 1976 B	NGC4402	12	23.6	+13 23	Sc	71	232	B12.6	1.61	63E	2S	B15.2	Ib: Apr 5		
- 1976 C?	IC1231	16	46.1	+58 32	Sb:		5107	13.7		35E	35S	14.5*	Jun *		
- 1976 D	NGC5427	14	00.8	-05 47	Sc p	1	21	2588	B12.1	1.40	35E	34N	V14.5*	Ia: Wade	
- * 1976 E	NGC7177	21	58.3	+17 30	Sab	3	46	1105	B12.0	1.52	7W	13S	V16.5*	Dunlap	
- 1976 F	Anon0234+33	02	34.6	+33 27						0	12S	B16.9	II: Sep 23		
- 1976 G	NGC 488	01	19.2	+05 00	Sb	1	39	2264	B11.2	1.72	0	111S	15.0*	Oct *	
- 1976 H?	IC1801	02	25.4	+19 21	SBb:		4034	14.8		5W	16S	15.0*	Oct *		
- 1976 I?	M-01-03-59	00	58.2	-07 21	S				15.0	17E	10N	17.5*	Oct *		
- 1976 J	NGC 977	02	31.6	-10 58	S:		4546	13.0		10W	25S	B15.1	I Dec 15		
- 1976 K	NGC3226	10	20.7	+20 09	E2: p	-	1362	B12.3	1.44	28E	21N	17. *	I: Dec:		
- 1976 L	NGC1411	03	37.1	-44 15	S0:	83	991	B11.7	1.45	170E	0	17. *	I Oct:		
1976 M?	Anon1644+58	16	44.0	+58 24						7W	0	17.0*	Jul *		
1976 N?	Anon0727+65	07	27.2	+65 19						7E	6S	15.0*	Oct *		
- 1977 A	NGC4340	12	21.1	+17 00	SB0		37	930	B12.0	1.61	11W	41N	16.2*	Jan *	
- 1977 B	NGC5406	13	58.2	+39 09	Sc	1	39	5278	B13.0	1.32	33W	23S	14.0*	Mar *	
- 1977 C	M+11-10-52	07	58.6	+67 17	S:				15.4	3E	17N	16. *	I Oct:		
- 1977 D	M+03-06-19	02	01.2	+11 44	S:					16W	5N	V16.5*	Oct *		
- 1977 E	Anon0743+85	07	43.0	+85 50	S:					2W	3N	15.0*	Nov *		
- * 1977 F	M+05-26-14	10	45.7	+26 51	Sc p	5:	17	6293	14.5	1.18	10E	19S	B15.5: I	Jan 4:	
- 1977 G?	NGC7704	23	32.6	+04 38	E:				14.8	17W	0	15.5*	Aug *		
- 1977 H?	M+05-42-11	17	52.1	+30 42	I				15.6	27E	0	19.0*	Apr *		
- 1978 A	M-04-32-23	13	27.5	-21 29	Sb		7377	15.0		15W	0	17.0*	IIpec May *		
- 1978 B	M+10-16-117	11	16.8	+59 34	Sc:				15.1	1W	24S	14.0*	II Jul		
1978 C	M-05-09-22	03	40.1	-28 01	S:		4060	14.0		15E	10N	B18.5*	II Aug		
1978 D	Anon2303-44	23	03.8	-44 43			21000			11E	6S	V20.0*	I Sep:		
- 1978 E	M+06-49-36	22	32.8	+36 57					15.3	7E	7N	B15.4	Ia Oct 29:		
- 1978 F	Anon0747+73	07	47.0	+73 27			4500:			8W	1S	18.0*	Pec Nov *		
- 1978 G	IC5201	22	18.3	-46 19	SBcd	3	60	2112	B11.3	1.93	96W	42N	V12.9*	II Nov:	
- 1978 H	NGC3780	11	36.6	+56 32	Sc	3	34	2392	B12.3	1.49	14E	13S	V16.5*	II Nov:	
- 1978 I	Anon2138-43	21	38.3	-43 25	E:				122.2	1W	0	B21.4*	Jul Hawkins		
- 1979 A	NGC4647	12	41.0	+11 51	Sc	5	36	1422	B12.0	1.48	50W	30N	V15.0*	I Jan Kimeridse	
- * 1979 B	NGC3913	11	48.0	+55 37	Sd:	5:	17	855	14.2	1.42	40E	20N	B12.3	Ia Mar 15 Rosino	
- * 1979 C	NGC4321	12	20.4	+16 06	Sc	1	27	1568	B10.1	1.84	56E	87S	B11.6	II Apr 15 Johnson	
- 1979 D?	E153-G27	02	08.8	-54 04	S0		5704			6E	15N	18.5*	Aug *		
- 1979 E?	NGC4902	12	58.4	-14 15	SBb	1	21	2724	B11.9	1.48	2W	62N	16.0*	Aug *	
- 1979 F?	Anon0237-33	02	37.7	-33 39						0	4N	18.0*	Aug *		
- 1979 G?	M+01-08-023	02	55.8	-05 01					15.5	9E	4S	15.5*	Dec *		
1980 A?	M+05-29-64A	12	17.9	+31 27			6697	14.5		9E	9S	15.5*	Feb *		
1980 B?	M+09-19-42	11	17.0	+54 44	S:				15.4	16E	0	16.0*	Feb *		
1980 C?	Anon1343+48	13	43.4	+48 00						7W	0	17.5*	Feb *		
- 1980 D	NGC3733	11	32.3	+55 08	Sc:	61	1188	13.2	1.68	32W	113N	15.0*	II Mar: Wild		
1980 E?	Anon1317+34	13	17.4	+34 30						8W	7S	16.0*	Apr *		
1980 F	M-03-34-61	13	19.2	-17 04	E		7700:			37E	32N	17.0*	I May: Masa, Gonzales		
1980 G	Anon1331-33	13	31.2	-33 15						5W	5N	18.0*	Jun * Masa, Torres		
1980 H	Anon1345-32	13	45.0	-32 17						14W	6N	18.0*	Jun * Masa		
- 1980 I	N 4374-4406	12	23.1	+13 10								B12.7	Ia Jun 24 Rosker		
1980 J	Anon2309-42	23	09.6	-42 06						3W	5S	16.5*	May * Gonsales, Masa		
- * 1980 K	NGC6946	20	33.8	+59 59	Scd	1	27	46	B 9.6	2.04	280E	16SS	B11.6	II Oct 29 Wild	
- 1980 L	NGC7448	22	57.6	+15 43	Sbc	3	61	2199	B12.2	1.43	27W	4N	13.5*	Oct * Inasaridse	
- 1980 M	E366-G05	06	37.2	-36 38	Sc:					23W	46S	17.0*	Nov * Wischnewsky		
- * 1980 N	NGC1316	03	20.8	-37 23	Sp p		39	1774	B 9.7	1.85	220E	20S	B12.5:	Ia Dec 11 Wischnewsky	
- 1980 O	NGC1255	03	11.4	-25 55	Sbc	3	46	1836	B11.6	1.61	73W	59S	17. *	II Oct Schuster	
- 1980 P	NGC5854	15	05.3	+02 45	SB0		72	1626	B12.7	1.43			15.0*	I Mar: Faber	
- 1981 A	NGC1532	04	10.2	-33 00	SBar	4:	71	1184	B11.5	1.75	70E	15N	V13.0:	II Feb 28: Evans	
- 1981 B	NGC4536	12	31.9	+02 28	Sc	1	62	1809	B11.0	1.87	41E	41N	B12.0	Ia Mar 9 Tsvetkov	
- 1981 C?	NGC5090	13	18.2	-43 28	E2			3067	B12.6	1.41	15E	20S	14.5*	Mar * Masa	
- * 1981 D	NGC1316	03	20.8	-37 23	S0 p		39	1774	B 9.7	1.85	20W	100S	B13.0	Ia Mar 13 Evans	
- 1981 E	NGC5597	14	21.7	-16 32	SBc	3	29	2624	B12.6	1.31	17W	13S	17.0*	II May: Wischnewsky	
- 1981 F	NGC4716	12	47.9	-09 10				4705	15.0		1W	11N	15.0*	I May: Wischnewsky, Gonsales	
- * 1981 G	NGC4874	12	57.2	+28 14	E0			7171	B12.9	1.43	15E	10N	15.0*	I Jun Lovas	
- 1981 H?	Anon2016-23	20	16.0	-23 49						1E	8N	18.5*	Jun * Gonsales		
- 1981 I	E356-G20	02	55.4	-35 46	Sa:					14E	7S	15.0*	Aug * Wischnewsky		
- 1981 J	M+07-29-43	14	01.2	+38 46	S			5733	14.2		12W	8S	15.0*	I Mar Sanduleak	
- 1981 K	NGC4258	12	16.5	+47 35	Sb	3	64	465	B 9.0	2.26	17E	76N	16.0*	Aug * Hummel, Wild	
- 1982 A?	M-05-28-17	11	55.5	-28 46					16.0		14W	1N	16.5*	Jan * Wischnewsky	
- 1982 B	NGC2268	07	00.8	+84 28	Sbc	3	50	2261	B12.2	1.53	23E	16N	B13.7	Ia Feb 16 Wild	
- 1982 C	NGC4185	12	10.8	+28 47	Sb		40	4074	B13.1	1.46	28E	47S	B16.4*	Feb * Lovas	
- 1982 D?	NGC5679B	14	32.6	+05 34	Sb					14.5	18W	0	V18. *		
- 1982 E	NGC1332	03	24.1	-21 31	S0:		68	1564	B11.2	1.66	318E	171N	14. *	Mar * Wischnewsky	
- 1982 F	NGC4490	12	28.2	+41 54	SBd p	5	58	625	B10.2	1.77	35E	20S	B15.5:	II Mar Wild	

TABLE I (*continued*).

SN	Galaxy	α (1950.0)			δ ° ,	type	GALAXY DATA				SUPERNOVA DATA				discoverer		
		<i>h</i>	<i>m</i>	<i>s</i>			Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type			
1982 G?	Anon1319-35	13	18.7	-35 32						15156		3E	14S	18.	*	Apr *	
1982 H?	Anon2256-40	22	56.2	-40 53								7E	5N	18.0*		May *	
1982 I?	E285-G10	20	22.3	-46 19	S							10E	10N	18.5*		Jun *	
1982 J?	Anon1336-31	13	36.9	-31 28	S							32W	1N	16.5*		Jun *	
1982 K?	Anon2007-55	20	07.2	-55 46								9W	9S	18.5*		Jun *	
- 1982 L	NGC7713	23	33.8	-38 13	Sc	4	62	672	B11.7	1.63		28E	32N	16.0*	II:	Jul	
1982 M	Anon0004-41	00	04.3	-41 42								2W	7N	19.5*		Jul *	
1982 N?	Anon2111-66	21	11.0	-66 08								16E	18N	17.0*		Aug *	
- * 1982 O?	NGC 521	01	22.0	+01 28	SBbc	1	21	5003	B12.5	1.53		22W	16S	15.0*		Aug *	
1982 P?	E194-G24	00	29.0	-49 52	S							10W	14S	18.0*		Aug *	
1982 Q	Anon0230-35	02	30.1	-35 02								2E	9S	19.0*		Sep *	
- 1982 R	NGC1187	03	00.4	-23 04	SBc	1	36	1413	B10.9	1.70		27E	61N	B14.8*	Ib:	Oct 6	
1982 S	E150-G20	00	41.1	-55 36	Sc							9W	6N	18.5*		Gonzalez	
1982 T	Anon0638-37	06	38.8	-37 00								1E	7N	17.	*	Gonzalez	
1982 U	E308-G16	06	34.0	-39 13	Sc							4E	9S	16.	*	Wischnjewsky	
- 1982 V	M+05-07-29	02	37.3	+32 02	Sc							3W	14N	B15.1	I	Nov19	
- 1982 W	NGC5485	14	05.5	+55 14	S0 p	36	1985	B12.4	1.41			19W	63N	B14.5	Ia	Nov22	
- 1982 X?	UGC4778	09	03.6	+50 55	Sb			11293	14.2			92W	23N	V16.5*		Feb *	
1982 Y?	UGC5449	10	04.0	+68 36	SBc:							12E	5N	V17.0*		Feb *	
1983 A	E323-G25	12	49.9	-38 45	Sc			4060	13.0			15W	15S	17.5*		Jan *	
1983 B	Anon1107+58	11	07.5	+58 40	S:							12W	10S	17.0*		Feb *	
1983 C	Anon1151-28	11	51.7	-28 47	S							16E	16N	18.0*		Masa	
1983 D	Anon0325-55	03	25.5	-55 15								2E	12N	17.5*		Gonzales	
- 1983 E	NGC3044	09	51.1	+01 49	SBc	79	1335	B12.6	1.68			29E	11S	B14.9	II:	Mar15:	
1983 F?	Anon1837-67	18	37.2	-67 05	S							0	0	18.0*		Mar *	
- * 1983 G	NGC4753	12	49.8	-00 56	I0							17W	14S	B12.9	Ia	Apr 6	
- 1983 I	NGC4051	12	00.6	+44 49	Sbc	3	37	674	B11.0	1.70		22E	52S	B13.7	Ib	Apr25:	
- 1983 J	NGC3106	10	01.2	+31 26	SO							11E	12S	B16.2*		Apr *	
- * 1983 K	NGC4699	12	46.5	-08 24	Sb			41	1511	B10.5	1.55	148E	131N	B12.4	II	Jun23	
- 1983 L	NGC7038	21	11.8	-47 25	SBc	3	51	4802	B12.4	1.48		26E	24S	B14.5:	I	May 1:	
1983 M?	NGC7418A	22	53.9	-37 02	Sc:							84E	40N	16.0*		Jun *	
- * 1983 N	NGC5236	13	34.3	-29 37	SBc	2	24	506	B 8.2	2.05		111W	120S	B11.6	Ib	Jul17	
- 1983 O	NGC4220	12	13.7	+48 09	S0			68	979	B12.2	1.61	19E	15S	V14.5*		Jun *	
- 1983 P	NGC5746	14	42.4	+02 10	Sb			77	1801	B11.4	1.90	7E	5S	V13.0*	I	Jul 5:	
- 1983 Q	E294-G02	00	15.6	-37 59	S							4E	18S	18.0*		Jul *	
- 1983 R	IC1731	01	47.4	+26 57	Sc			49	3461	14.2	1.24	9E	10N	B14.4	Ia	Sep30	
- 1983 S	NGC1448	03	42.9	-44 48	Scd:	5	77	1182	B11.3	1.91		30E	5N	V14.5*	II	Oct	
- 1983 T	M+06-36-55	16	35.1	+36 31	Sba							7E	5S	B16.0	I	Sep20	
- 1983 U	NGC3227	10	20.8	+20 08	Sa p	5	45	1152	B11.6	1.75		19W	1N	B13.4	Ia	Nov 1	
- * 1983 V	NGC1365	03	31.7	-36 18	SBb	2	56	1724	B10.1	1.99		57W	30S	V13.5*	Ib	Nov	
- 1983 W	NGC3625	11	17.6	+58 03	SBb			69	1966	13.9	1.34	10E	2N	B13.3	Ia	Dec23	
1983 X?	E270-G05	13	18.7	-45 40	Sba							18W	10S	18.0*		Apr *	
- 1983 Y?	NGC7083	21	31.8	-64 07	SBc	3	50	3049	B11.8	1.65		57E	10S	18.0*		Apr *	
- 1983 Z?	NGC7418	22	53.8	-37 18	Scd:	3	34	1510	B12.0	1.52		11W	52S	15.5*		Sep *	
- 1983 aa	QSO1059+07	10	59.0	+07 30								3SE		V19.6*		May *	
- 1984 A	NGC4419	12	24.4	+15 19	Sa			68	-196	B12.1	1.53	15W	30N	B12.5	Ia	Jan17	
- 1984 B	M+09-19-19	11	12.7	+56 11	S							8E	5S	B16.9:	II:	Jan28:	
- 1984 C	Anon1335-27	13	35.7	-27 40								8E	0	17.5*		Mar *	
- 1984 D	M+03-22-14	08	25.7	+17 38	S p			37				5W	19N	16.6*		Jan *	
- 1984 E	NGC3169	10	11.6	+03 43	Sa p	2	49	1248	B11.3	1.68		60W	15N	B15.2	II	Apr 1	
- 1984 F	M+08-15-47	08	07.6	+46 37	Im	8:	-	2254	14.3	1.27		24E	19S	16.0*		Mar *	
- 1984 G	Anon1207-26	10	27.1	-26 12	Soa							2W	8S	18.5*		Gonzales	
- 1984 H?	E308-G05	06	23.6	-37 46								18W	3S	18.5*		Wischnjewsky	
- 1984 I	E323-G99	13	11.8	-42 25	Sc							32W	29N	15.5:	I:	May *	
- * 1984 J	NGC1559	04	17.0	-62 54	SBcd	3	51	1352	B10.9	1.52		25W	10S	V13.2	II	Jul31	
- 1984 K	NGC6850	19	59.6	-54 59	SB0:							3E	35N	16.0*		Aug *	
- 1984 L	NGC 991	02	33.1	-07 22	Sc	3	21	1515	B12.4	1.43		32W	22S	B14.0	Ib	Aug20	
- 1984 M	IC 121	01	25.8	+02 15	Sbc							4W	15N	14.0*		Aug *	
- 1984 N	NGC7184	21	59.9	-21 03	SBc	4	72	2747	B12.1	1.76		69E	54N	V14.	* Pec	Jul	
- 1984 O	IC4839	19	11.6	-54 43	SBb			56	2700	B14.7	1.48	22E	82S	15.0*	I	Oct	
- 1984 P	M+00-09-60	03	17.5	+01 11	Sbc							10W	6N	B18.	*	Sep *	
- 1984 Q	M+09-19-109	11	29.5	+54 11	S							2W	12N	16.8*		Dec *	
- 1984 R	NGC3675	11	23.4	+43 52	Sb	3	57	738	B10.9	1.77		14W	6N	V13.	*	Dec *	
- 1984 S	NGC3336	10	37.9	-27 31	Sc							2E	8N	V15.0*		Dec *	
- 1984 T?	Anon0548-24	05	48.0	-24 02								1E	6S	18.0*		Jan *	
- * 1984 U?	NGC4246	12	15.4	+07 28	Sc	2	54	3724	B13.4	1.40		33E	14S	18.0*		Mar *	
- 1984 V?	NGC6907	20	22.1	-24 58	SBbc	2:	29	3155	B12.0	1.53		50W	20S	15.0*		May *	
- 1984 Z?	NGC5548	14	15.7	+25 22	Soa			29	5060	B13.2	1.28				V16.1*	II	Jun *
- 1985 A	NGC2748	09	08.0	+76 41	Sbc	3	65	1489	B12.4	1.49		3W	10S	14.5*	Ia	Jan	
- 1985 B	NGC4045	12	00.2	+02 16	Sbc	2	42	1921	B12.7	1.44		27E	8N	V13.0*	Ia	Jan	
- 1985 C	E436-G36	10	31.5	-27 45	Sb:									B16.5*	I:	Feb	
- 1985 D	E264-G32	10	38.5	-46 03	Sc							1W	5S	B18.2*		Spanhauer, Cameron	
- 1985 E	E510-G48	14	00.1	-25 56	Sa:							12W	17S	B17.5*	II	Cameron, Spanhauer	
- 1985 F	NGC4618	12	39.1	+41 26	SBm			29	540	B11.3	1.64		14NE	B12.1	Ib	Fillippenko, Sargent	
- 1985 G	NGC4451	12	26.1	+09 32	Sc	5	45	860	B13.3	1.17		2W	7N	B15.0	II	Horiguchi	

TABLE I (*continued*).

SN	Galaxy	α (1950.0)		δ	type	GALAXY DATA				SUPERNOVA DATA			discoverer		
		h	m	$^\circ$		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type		
- 1985 H	NGC3359	10	43.4	+63 29	SBc	3	51	1010	B11.0	1.83	35W	22N	V16.4*	II Feb	
- 1985 I	Anon1346-29	13	46.0	-29 47				8600			2W	7S	17.5*	I May	
- 1985 K?	Anon1256+28	12	56.9	+28 15				6412					V17.7*	May *	
- * 1985 L	NGC5033	13	11.2	+36 52	Sc	2:	58	916	B10.6	2.02	70W	55N	12.5*	II Jun	
- 1985 M	Anon2205-48	22	05.3	-48 45							1W	8S		Jun *	
- 1985 N	Anon2150-55	21	50.1	-55 38							14E	0	18. *	Aug *	
- 1985 O	UGC 511	00	47.4	+31 28	Sc				15.6		12E	8S	16.5*	II Sep	
- 1985 P	NGC1433	03	40.5	-47 23	SBa	2	27	1038	B10.7	1.83	49E	42N	B13.5:	II Oct10:	
- 1985 Q?	MRK516	21	53.9	+07 08				8922	15.4		0	45	15. *	I: Oct	
- 1985 R	IC1809	02	28.8	+22 42	SBb			5870	15.0		21W	8N	V17.4*	II Oct/Nov	
- 1986 A	NGC3367	10	43.9	+14 01	SBc	1	24	2960	B12.1	1.37	25E	3N	B14.4	Ia Feb 7	
- 1986 B	NGC5101	13	19.0	-27 10	SB0		27	1850	B11.6	1.74	50W	116S	B17. *	I Nov 1985:	
- 1986 C	M+03-30-66	11	41.2	+20 15	I			6649	14.3		60W	60N	B18. *	II Feb	
- 1986 E	NGC4302	12	19.2	+14 53	Sc		77	1149	B12.6	1.72	17W	117N	B13.4	II Mar28	
- 1986 G	NGC5128	13	22.5	-42 46	S0 p	37	532	B 8.0	2.26		120E	60S	B12.5	Ia May11	
- * 1986 I	NGC4254	12	16.3	+14 42	Sc	1	27	2413	B10.4	1.73	36E	16S	V14.2	II May20	
- 1986 J	NGC 891	02	19.4	+42 07	Sb		78	529	B10.9	1.97	20W	60S	r18.4*	II Aug *	
- 1986 K	Anon0052-07	00	52.5	-07 36				1200:			45E	3S	16.5*	II Aug	
- * 1986 L	NGC1559	04	17.0	-62 54	SBcd	3	51	1352	B10.9	1.52	44W	4S	V13.3	II Oct12	
- 1986 M	NGC7499	23	07.8	+07 19	S0		53	11756	B14.8	1.16	15E	33N	16.5*	Ib Dec	
- 1986 N	NGC1667	04	46.2	-06 24	Sc	2	36	4600	B12.8	1.17	12W	9S	15. *	Ia Nov	
- 1986 O	NGC2227	06	23.8	-21 57	SBcd		58	2241	B12.6	1.30	0	25S	V14.0:	Ia Dec20:	
- 1987 A	LMC	05	24.0	-69 48	SBm	5	32	270	B 0.6	3.81		-	- B 4.5	II May12	
- 1987 B	NGC5850	15	04.6	+01 44	SBb	1	24	2445	B11.8	1.63	71W	145S	B15.0	II Feb25	
- 1987 C	MRK 90	08	26.1	+52 52	S: p		27	4270		0.93	12E	16S	V17.3:	II Mar 1:	
- 1987 D	M+00-32-01	12	17.2	+02 22	Sbc		79	2227		14.6	12E	23S	B13.7	Ia Apr17	
- 1987 F	NGC4615	12	39.1	+26 18	Sc		49	4746	B13.4	1.22	20E	5S	B15.3	IIPec Mar30	
- 1987 I	IC4963	20	08.2	-55 24	S0a			5100:			2E	2N	16. *	I Jul	
- 1987 J	ESO 601-26	22	07.6	-19 07	Sc						18W	2S	V17.2*	II Jun	
- 1987 K	NGC4651	12	41.2	+16 40	Sc	3	45	814	B11.3	1.58	22W	5N	V14.2:	IIb Jul31	
- 1987 L	NGC2336	07	18.5	+80 17	SBbc	1	55	2172	B11.2	1.84	59E	70S	V13.0:	Ia Jul27:	
- 1987 M	NGC2715	09	01.9	+78 17	Sc		3	67	1233	B12.0	1.70	4E	18N	15. *	Ib Sep
- * 1987 N	NGC7606	23	16.5	-08 46	Sb	1	63	2341	B11.6	1.76	17W	29N	V13.4*	Ia Dec	
- 1987 O	M+02-20-009	07	48.7	+14 09	S				14.6		30W	0	17. *	Ia Nov:	
- 1987 P	Anon0752+14	07	52.4	+14 30							8W	1S	V17.5*	Ia Dec:	
- 1988 A	NGC4579	12	35.2	+12 06	Sab	3	36	1567	B10.6	1.73	1W	46S	V13.5	II Jan18	
- 1988 B	NGC3191	10	16.0	+46 43	SBbc p		45	9145	13.9	0.89	0	10N	15.5*	Ia Jan	
- 1988 C	M+07-16-008	07	34.0	+42 03	Sbc		42	5880	14.5	1.16	21E	10N	V17. *	Ia Jan *	
- 1988 D	M+00-20-006	07	49.2	+02 57					14.7		6E	15S	15.5*	Ia Jan	
- 1988 E	NGC4772	12	50.9	+02 26	Sa	1	60	1040	B12.4	1.52	0	20N	17. *	II Jan *	
- 1988 F	M+02-37-15a	14	26.6	+15 05	So			5274	14.4		27W	24S	16. *	Ia Jan/Feb	
- 1988 G	Anon1328+32	13	28.4	+32 11							7W	3S	B15.8*	Ia Feb	
- 1988 H	NGC5878	15	11.0	-14 05	Sb	1	61	2111	B12.3	1.54	22W	55N	15.5*	II Feb	
- 1988 I	Anon1018+35	10	18.3	+35 55				11260			5E	1N	19. *	IIPec Mar *	
- 1988 J	Anon1141+60	11	41.4	+60 29							1W	8S	17. *	Ia Mar	
- 1988 K	M+05-31-123	13	02.9	+32 16	Sb p		65	15900:	15.1	1.24	3E	35N	18. *	Ia Apr	
- 1988 L	NGC5480	14	04.5	+50 58	Sc	5	46	1879	B12.9	1.26	3E	14N	16.5*	Ib Apr	
- 1988 M	NGC4496B	12	29.1	+04 12	Sc:		29	4548	B14.5	1.00	0	13S		Perlmutter, Pennypacker	
- 1988 N	Anon1311+57	13	11.1	+57 37	S			24000:			10E	6S	18. *	Ia May	
- 1988 O	Anon1507+07	15	07.7	+07 49	S			13500			2E	7N	15. *	Ia May	
- 1988 P	Anon1530+01	15	30.0	+01 48							4E	4N	18.5*	I: Jun *	
- 1988 Q	Anon1631+34	16	31.5	+34 55				6600			1E	5S	18. *	II Jun	
- 1988 R	M+09-23-9	13	46.4	+55 03				7200:			7E	3N	15.5*	Ia Aug	
- 1988 S	M+01-60-40	23	48.4	+08 24				12900:			3W	19S	19. *	II Aug	
- 1988 T	Anon1341-00	13	41.1	-00 17				84000:	V21.3		0	0.4N	V23.4*	Feb *	
- 1988 U	Anon0011-30	00	11.8	-30 42				93000:	V22.6		0.5E	0.7S	V22.3*	Aug *	
- 1988 V	Anon2336+26	23	36.7	+26 58	S0a:			9600:			7N	1E	V17.2*	Ia Oct	
- 1988 W	Anon0939+26	09	39.8	+26 58							17W	5N	20.2*	Nov *	
- 1988 Y	Anon0242-08	02	42.5	-08 37				8850					V16.0*	Ia Nov	
- 1988 Z	M+03-28-022	10	49.2	+16 16				6600	15.6		11E	2S	B16.4*	IIPec Dec	
- 1988 aa	Anon0010-00	00	10.1	-00 19								B19.7*	Dec *		

THE ASIAGO SUPERNOVA CATALOGUE

TABLE II. — *The Asiago Supernova Catalogue by R.A..*

SN	Galaxy	α (1950.0)		δ	type	GALAXY DATA				SUPERNOVA DATA			discoverer			
		h	m	°		Lc	inc	V _{hel}	mag	log D	offset	mag	type			
1982 M	Anon0004-41	00	04.3	-41	42	SBa	2	46	4568	B12.8	1.37	2W	7N	19.5*	Jul *	Gonzales
- 1955 C?	NGC 23	00	07.3	+25	39	SBa	-	25244	17.6	6E	10N	V16.0*	Oct *	Sandage		
1951 G	Anon0008-06	00	08.0	-06	34	E1	-	7286	16.5	5W	2N	18.8*	Aug *	Zwicky		
1971 N	Anon0009+28	00	09.7	+28	22	Sc	-	-	-	-	5N	17.0*	Aug *	Kirshner		
- 1988 aa	Anon0010-00	00	10.1	-00	19	-	-	-	-	-	-	B19.7*	Dec *	Comte		
1954 V	Anon0010-07	00	10.6	-07	52	E1	-	-	19.0	4W	7N	20.0*	Sep *	Zwicky		
- 1988 U	Anon0011-30	00	11.8	-30	42	-	93000:	V22.6	0.5E	0.7S	V22.3*	Aug *	Hansen			
- 1983 Q	E294-G02	00	15.6	-37	59	S	1	11598	15.5	4E	18S	18.0*	Jul *	Gonzales		
1954 F	Anon0018+26	00	18.5	+26	14	Sbc	-	4749	14.8	6W	7N	18.8*	Aug *	Zwicky		
- 1968 O	Anon0022+29	00	22.0	+29	00	Sb	00	4773	15.5	1.12	34E	19S	19.0:	Jul *	Kowal	
1968 N	M+05-02-11	00	22.6	+29	47	SBc	70	6418	14.3	1.28	41W	22N	V17.0*	Jul *	Kowal	
1972 N	M+05-02-16	00	25.7	+30	32	SB:	-	-	-	-	-	-	-	Oct *	Kowal	
1982 P?	E194-G24	00	29.0	-49	52	S	-	-	-	-	-	10W	14S	18.0*	Aug *	Wischnjewsky
- 1954 D	M+05-02-22	00	29.5	+31	24	Sbc	3:	47	15.1	1.21	12W	17S	17.4*	Oct *	Kowal	
1966 I	Anon0031+30	00	31.8	+30	07	S	-	6062	17.0	1W	0	16.0:	Sep	Kowal		
1954 S	Anon0033-08	00	33.2	-08	47	I:	-	17050:	18.5	1W	6S	17.4*	Sep *	Zwicky		
1964 J	M-02-02-64	00	33.6	-10	10	Sc	00	4866	14.9	1.19	4E	10S	17.0*	Oct *	Chavira	
- 1954 R	NGC 210	00	38.0	-14	09	Sb	1	46	1768	B11.7	1.73	86E	80S	15.5*	Sep *	Zwicky
- 1973 U	IC 43	00	39.7	+29	22	Sc	5:	73	4861	14.4	1.41	21W	18N	V16.5* II	Dec:	Kowal
- 1885 A	NGC 224	00	40.0	+41	00	Sb	2	69	-299	B 4.4	3.25	15W	4S	V 5.9 I	Aug21	Hartwig (S And)
1982 S	E150-G20	00	41.1	-55	36	Sc	-	-	-	-	-	9W	6N	18.5*	Oct *	Gonzales
- 1940 E	NGC 253	00	45.1	-25	34	Sc	6	73	248	B 8.0	2.40	51W	17S	14.0* I	Nov	Zwicky
- 1985 O	UGC 511	00	47.4	+31	28	Sc	-	-	-	-	-	12E	8S	16.5* II	Sep	Lovas
1955 D	M-03-03-06	00	49.5	-16	41	SBb	3	00	6392	15.1	1.19	1E	12N	15.5*	Nov *	Haro
- 1986 K	Anon0052-07	00	52.5	-07	36	-	-	1200:	-	-	-	45E	3S	16.5* II	Aug	Schildknecht
- 1939 D	NGC 321	00	54.9	-05	18	SBcd	3:	46	5775	14.5	-	9W	11N	16.0*	Nov *	Zwicky
1976 I?	M-01-03-59	00	58.2	-07	21	S	-	-	-	-	-	17E	10N	17.5*	Oct *	Lovas
1975 L	Anon0059+31	00	59.4	+31	15	-	-	-	-	-	-	1W	6S	V18.0*	Aug *	Kowal
1975 Q	Anon0100+31	01	00.9	+31	46	S:	-	-	-	-	-	10W	4N	V15.5*	Nov *	Kowal
- 1970 N	NGC 365	01	01.8	-35	23	Sc	-	-	-	-	-	0	17N	18.8*	Aug *	van Agt
1960 P	M+05-03-47	01	03.4	+31	08	Sbc:	6:	70	9322	15.5	1.31	4E	2N	17.5* I	Nov	Gomes
1969 O	Anon0103+02	01	03.8	+02	53	-	-	-	-	-	-	6W	7S	18.2*	Sep *	van den Bergh
1955 B	M-02-03-74	01	05.0	-13	30	SBa	-	16024	15.7	-	2W	5N	15.8	I: Oct 3	Zwicky	
1972 K	Anon0106+31	01	06.2	+31	57	E1	-	-	-	-	-	1W	28N	16.0*	Sep *	Huchra
1961 M	M+05-03-75	01	07.2	+32	05	S	32	5246	14.0	1.36	16E	37N	17.0*	Aug *	Kearns	
- * 1961 R	M+05-03-76	01	07.2	+32	38	S	-	-	-	-	-	11W	5N	17.0*	Nov *	Humason
- * 1975 M	M+05-03-76	01	07.2	+32	38	S	-	-	-	-	-	7E	1S	V18.2*	Sep *	Kowal
1971 Q?	Anon0107+31	01	07.9	+31	18	S:	-	-	-	-	-	8W	3N	18.5*	Aug *	Kormendy
1967 J	Anon0108+32	01	08.3	+32	58	Sb	-	-	-	-	-	9W	9N	17.5*	Nov *	Zwicky
1966 L	M+06-03-19	01	08.3	+33	35	Sc	-	-	-	-	-	7W	3S	17.6*	Dec *	Rudnicki
1967 A	Anon0113+02	01	13.9	+02	45	I:	-	-	-	-	-	5E	0	17.0*	Jan *	Kowal
1968 Q	Anon0116+04	01	16.3	+04	40	Sc	-	-	-	-	-	5W	5N	18.5*	Aug *	Kowal
1972 P	Anon0116+00	01	16.9	+00	16	S	-	-	-	-	-	1E	6N	V18.0*	Oct *	Kowal
1966 H	Anon0118+03	01	18.0	+03	10	Sc:	-	-	-	-	-	6E	1S	19.0*	Sep *	Kowal
- 1936 B	M+02-04-29	01	18.4	+15	26	SBc:	41	-	15.6	1.03	-	-	-	14.0*	Sep *	Zwicky
- 1976 G	NGC 488	01	19.2	+05	00	Sb	1	39	2264	B11.2	1.72	0	111S	15.0*	Oct *	Lovas, Wild
- 1971 S	NGC 493	01	19.6	+00	41	SBcd:	68	2338	B13.0	1.58	48E	38N	B15.7	II Nov16	Pigatto	
1963 S	Anon0121+01	01	21.0	+01	18	Sa	-	9710	15.7	-	5E	5S	15.0*	Dec *	Chavira	
1963 T	Anon0121+33	01	21.6	+33	47	Sbc:	-	-	17.7	-	0	0	17.5*	Oct *	Kowal	
- * 1966 G	NGC 521	01	22.0	+01	28	SBbc	1	21	5003	B12.5	1.53	60E	13N	15.5*	Aug *	Reaves, Lovas
- * 1982 O?	NGC 521	01	22.0	+01	28	SBbc	1	21	5003	B12.5	1.53	22W	16S	15.0*	Aug *	Lovas
- 1963 N	NGC 536	01	23.6	+34	27	SBb	3	59	5160	B12.9	1.57	28W	7S	17.7* II	Jun	Gates
1969 J	M+05-04-59	01	23.7	+31	21	SBb	1:	37	13524:	15.0	1.08	5E	7N	17.0*	Oct *	Kowal
1963 E	IC1703	01	23.8	-01	54	SB0:	52	5688	14.9	1.36	2E	11S	16.5*	I Jan	Mendez	
- 1961 Q	NGC 550	01	24.1	+01	45	Sa	61	5962	B13.3	1.24	20W	13N	17.2*	Nov *	Humason	
- 1984 M	IC 121	01	25.8	+02	15	Sbc	-	9024	14.3	-	4W	15N	14.0*	Aug *	Lovas	
1971 V	Anon0126+31	01	26.0	+31	56	Sc:	-	-	-	-	-	8E	21N	17.0*	Jul *	Rosino, Bianchini
1967 K	M+06-04-32	01	26.9	+33	35	Sc	-	-	-	-	-	13W	14S	15.0*	Dec *	Kowal
1968 R	Anon0127-02	01	27.3	-02	57	Sc	-	-	-	-	-	9W	13S	15.5*	Aug *	Kowal
1969 N	Anon0127-01	01	27.8	-01	12	I:	-	-	19.	-	-	9W	4S	16.0*	Dec *	Kowal
1974 K	Anon0128+32	01	28.2	+32	04	S:	-	-	-	-	-	2W	6S	17.5*	Nov *	Kowal
1968 Y	Anon0129+32	01	29.7	+32	03	S:	-	-	-	-	-	1W	5N	18.5*	Dec *	Kowal
1960 Q	Anon0133-05	01	33.4	-05	45	Sc	-	15744	18.5	-	1E	2S	17.5*	Dec *	Humason	
1975 R?	Anon0137+32	01	37.0	+32	03	S:	-	-	-	-	-	2E	21N	15.0*	Dec *	Lovas
- 1983 R	IC1731	01	47.4	+26	57	Sc	49	3461	14.2	1.24	9E	10N	B14.4 Ia	Sep30	Wild, Metlova	
- 1952 A	M+06-05-32	01	49.8	+36	22	Sc	2	29	5514	13.9	1.19	5W	12N	18.6*	Sep *	Zwicky
1972 L	NGC 735	01	53.7	+33	56	Sb	1	59	4748	13.9	1.30	28E	21S	15.0*	Sep *	Huchra
- 1954 E	NGC 753	01	54.8	+35	40	Sbc	3	42	4766	B13.0	1.46	42W	25S	18.5*	Sep *	Zwicky
- 1977 D	M+03-06-19	02	01.2	+11	44	S:	-	5704	-	-	-	16W	5S	V16.5*	Oct *	Shao
- 1979 D?	E153-G27	02	08.8	-54	04	SO	-	-	-	-	-	6E	15N	18.5*	Aug *	Maza
1961 C	M+07-05-29	02	12.3	+40	53	Sc:	-	-	-	-	-	3E	8S	18.2*	Jan *	Humason
- 1986 J	NGC 891	02	19.4	+42	07	Sb	78	529	B10.9	1.97	20W	60S	r18.4* II	Aug *	van Gorkom, Rupen, Knapp,	
- 1967 E	M+07-06-18	02	23.2	+42	38	Sa:	-	26544	17.	-	-	18W	6N	18.0*	Mar *	Rudnicki
1961 O	M+07-06-19	02	23.5	+43	24	Sc	-	-	-	-	-	2W	10N	17.0*	Sep *	Humason
1964 N	M+05-06-42	02	23.6	+29	36	Sb	-	10780	15.7	-	24W	0	16.0*	Sep *	Kowal	
1976 H?	IC1801	02	25.4	+19	21	SBb:	-	4034	14.8	-	5W	16S	15.0*	Oct *	Lovas	

TABLE II (*continued*).

SN	Galaxy	α (1950.0)			δ ° '	type	GALAXY DATA					SUPERNOVA DATA					discoverer
		h	m	s			Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type	date		
- 1965 K	M+05-06-51	02	26.4	+31 15	Sab	3	37	5098	14.5	1.16	18W	8S	16.0*	Sep *	Hoffmeister		
1963 W	Anon0228+43	02	27.8	+43 44	Sa:				17.		8E	3S	17.0*	Aug *	Kowal		
1973 P	M+06-06-49	02	28.5	+39 10	Sb		73	8005	14.3	1.41	13W	6N	V18.0*	Sep *	Kowal		
- 1985 R	IC1809	02	28.8	+22 42	SBb			5870	15.0		21W	8N	V17.4* II	Oct/Nov	Peters		
1982 Q	Anon0230-35	02	30.1	-35 02	S:						2E	9S	19.0*	Sep *	Gonzales		
1976 J	NGC 977	02	31.6	-10 58	S:			4546	13.0		10W	25S	B15.1 I	Dec15	Rosino		
1963 V	Anon0232-06	02	32.0	-06 18	I:				16.5		6W	5S	16.0*	Sep *	Kowal		
- 1961 P	M+06-06-62	02	32.5	+37 25	Sd	6	50	3665	B12.9	1.38	0	36S	14.3 Ia	Sep12	Wild		
1960 A	Anon0232+01	02	32.8	+01 53	S				16.5		5E	8S	16.0*	Jan *	Humason		
- 1984 L	NGC 991	02	33.1	-07 22	Sc	3	21	1515	B12.4	1.43	32W	22S	B14.0 Ib	Aug20	Evans		
1963 R	M+06-06-64	02	33.2	+35 44	Sb				17.5		2W	1S	16.8*	Oct *	Kowal		
1966 M	Anon0234+37	02	34.0	+37 56	Sb				16.5		1E	5S	18.5*	Dec *	Kowal		
1958 B	Anon0234+01	02	34.5	+01 07	Sb				16.0		1W	7N	18.0*	Dec *	Humason		
- 1976 F	Anon0234+33	02	34.6	+33 27	SBa	5:	45	4800	B14.2	1.17	0	12S	B16.9 II	Sep23	Kurochkin		
- 1938 A	M+06-06-68	02	34.6	+34 13	Scd	5	67	585	B12.1	1.73	48E	1S	12.9 Ia	Sep18	Zwicky		
- 1937 D	NGC1003	02	36.1	+40 39	Sc				14.5		3W	14N	B15.1 I	Nov19	Wild		
- 1982 V	M+05-07-29	02	37.3	+32 02	Sc						0	4N	18.0*	Aug *	Masa		
1979 F?	Anon0237-33	02	37.7	-33 39	S:												
1970 K	M+06-06-77	02	39.4	+36 20	Sc				16.7		1E	8S	18.5*	Oct *	Kowal		
- * 1961 V	NGC1058	02	40.3	+37 08	Sc	4	17	519	B12.2	1.48	76E	17N	12.7 V	Dec11	Wild		
- * 1969 L	NGC1058	02	40.3	+37 08	Sc	4	17	519	B12.2	1.48	190E	110S	B13.3 II	Dec 6	Rosino, Gallivan		
- 1962 L	NGC1073	02	41.1	+01 10	SBC	3	21	1874	B11.6	1.69	10E	77N	B14.0 Ib	Dec 6	Rosino, Haro, Chavira		
1961 A	M+00-08-02	02	41.5	+00 34	SBC	2			16.1		9E	27N	19.0*	Jan *	Humason		
- 1988 Y	Anon0242-08	02	42.5	-08 37	S:			8850					V16.0* Ia	Nov	Wild		
- 1963 P	NGC1084	02	43.5	-07 47	Sc	2	58	1465	B11.2	1.46	33E	8S	B14.0 Ia	Sep30	Wild		
- * 1962 K	NGC1090	02	44.0	-00 27	SBbc	7:	62	2729	B12.6	1.58	52W	10N	18.2*	Sep *	Rudnicki		
- * 1971 T	NGC1090	02	44.0	-00 27	SBbc	7:	62	2729	B12.6	1.58	17W	13S	V16.0*	Nov *	Kowal		
- 1963 L	M+06-07-09	02	44.8	+37 20	SBdm	6	42	623	14.3	1.43	21W	27S	15.0* I	Jun	Reaves		
1959 F	M-00-08-25	02	47.2	-00 44	SBbc:	47	6521	15.1	1.12		28E	20N	18.5*	Dec *	Humason		
1981 I	E356-G20	02	55.4	-35 46	Sa:						14E	7S	15.0*	Aug *	Wischnjewsky		
- 1979 G?	M+01-08-023	02	55.8	-05 01	S:				15.5		9E	4S	15.5*	Dec *	Francic		
- 1982 R	NGC1187	03	00.4	-23 04	SBC	1	36	1413	B10.9	1.70	27E	61N	B14.8* Ib:	Oct 6	Muller, Pizarro		
1975 J	Anon0308+41	03	08.8	+41 58	S:				16.0		20W	6S	V15.5*	Aug *	Huchra		
- 1980 O	NGC1255	03	11.4	-25 55	Sbc	3	46	1836	B11.6	1.61	73W	59S	17. * II	Oct	Schuster		
1964 B	UGC2646	03	14.8	+40 11	S:			5388	16.3		22W	12S	16.7* I	Feb	Kowal		
- 1975 B	Anom0316+41	03	16.4	+41 27	S0:			8568	16.0		1E	10N	15.5: Ib:	Mar:	Lovas		
- 1968 A	NGC1275	03	16.5	+41 20	E p	-	5160	B12.4	1.41	7E	24S	15.5* I	Jan	Lovas			
1958 E?	M+07-07-72	03	17.4	+42 36	Sb				16.0		11W	0	17.5*	Feb *	Gates		
- 1984 P	M+00-09-60	03	17.5	+01 11	Sbc				15.4		10W	6N	B18. *	Sep *	Pollas		
- 1962 M	NGC1313	03	17.6	-66 40	SBd	6	39	450	B 9.4	1.93	0	150S	11.4: II	Nov29	Sersic		
1965 J	NGC1310	03	19.1	-37 19	Sc:		41	1715	14.8	1.37	14E	7S	18.0*	Aug *	Reaves		
- * 1980 N	NGC1316	03	20.8	-37 23	S0 p	39	1774	B 9.7	1.85	220E	20S	B12.5: Ia	Dec11	Wischnjewsky			
- * 1981 D	NGC1316	03	20.8	-37 23	S0 p	39	1774	B 9.7	1.85	20W	100S	B13.0 Ia	Mar13	Evans			
1962 O	M+07-08-01	03	21.2	+39 51	E:	-	14150	18.6		15E	11N	19.8*	Nov *	Zwicky			
- 1975 S	NGC1325	03	22.2	-21 43	Sbc	3	67	1670	B12.3	1.66	53E	77N	V14.6* II	Dec:	Dunlap, Dunlap		
- 1982 E	NGC1332	03	24.1	-21 31	S0:	68	1564	B11.2	1.66		318E	171N	14. *	Mar *	Wischnjewsky		
1983 D	Anon0325-55	03	25.5	-55 15	S:			6818	16.5		2E	12N	17.5*	Feb *	Gonzales		
1969 M	Anon0326+39	03	26.5	+39 51	S:						15E	1S	17.5*	Dec *	Kowal		
- 1959 A	NGC1350	03	29.2	-33 48	SBab	3	56	1802	B11.4	1.63	22E	70N	16.0*	Jan *	Gates		
- * 1957 C	NGC1365	03	31.7	-36 18	SBb	2	56	1724	B10.1	1.99	54W	75N	16.5*	Oct *	Gates		
- * 1983 V	NGC1365	03	31.7	-36 18	SBb	2	56	1724	B10.1	1.99	57W	30S	V13.5* Ib	Nov	Evans, Lindblad, Grosbol		
- 1969 A?	M-06-09-04	03	34.9	-36 25	SBb:	3:			16.0				17. *	Jan *	Chavira		
- 1976 L	NGC1411	03	37.1	-44 15	S0:	83	991	B11.7	1.45	170E	0	17. * I	Oct:	Arp, Madore			
1978 C	M-05-09-22	03	40.1	-28 01	S:		4060	14.0		15E	10N	B18.5* II	Aug	Schweizer, Phillips			
- 1985 P	NGC1433	03	40.5	-47 23	SBa	2	27	1038	B10.7	1.83	49E	42N	B13.5: II	Oct10:	Evans		
- 1983 S	NGC1448	03	42.9	-44 48	Scd:	5	77	1182	B11.3	1.91	30E	5N	V14.5* II	Oct	Evans		
- 1937 E	NGC1482	03	52.4	-20 39	S0	42	1655	14.4	1.19	24W	51N	15.0* I:	Dec:	Zwicky			
- 1935 C	NGC1511	03	59.3	-67 46	Sab	27	1525	B12.1	1.52	55E	8S	12.5:	Sep19:	Boyce			
- 1981 A	NGC1532	04	10.2	-33 00	SBab	4:	71	1184	B11.5	1.75	70E	15N	V13.0: II	Feb28:	Evans		
- * 1984 J	NGC1559	04	17.0	-62 54	SBcd	3	51	1352	B10.9	1.52	25W	10S	V13.2 II	Jul31	Evans		
- * 1986 L	NGC1559	04	17.0	-62 54	SBcd	3	51	1352	B10.9	1.52	44W	4S	V13.3 II	Oct12	Evans		
1966 N	M-01-12-37	04	34.3	-03 08	Sc			4713	16.0		19E	17N	14.7: I	Oct15:	Rosino		
1962 P	NGC1654	04	43.3	-02 11	S:	00	4540	14.2	0.99		25E		14.5: I	Nov 1:	Rosino		
- 1986 N	NGC1667	04	46.2	-06 24	Sc	2	36	4600	B12.8	1.17	12W	9S	15. * Ia	Nov	Pennypacker et al.		
1969 D	Anon0515+05	05	15.0	+05 47	I		-	18154	16.5		2W	5N	17.5*	Feb *	Kowal		
1972 O	Anon0516+05	05	16.4	+05 57	S:				18.0		1W	5S	V18.5*	Oct *	Kowal		
- 1987 A	LMC	05	24.0	-69 48	SBm	5	32	270	B 0.6	3.81	-	-	B 4.5 II	May12	Shelton, Duhalde, Jones		
- 1984 T?	Anon0548-24	05	48.0	-24 02	S:						1E	6S	18.0*	Jan *	Gonzales		
- 1975 A	NGC2207	06	14.3	-21 21	Sbc p	1:	47	2680	B11.4	1.63	59E	55N	B14.6 Ia	Jan20	Dunlap, Dunlap		
- 1984 H?	E308-G05	06	23.6	-37 46	S0a						18W	3S	18.5*	May *	Wischnjewsky		
- 1986 O	NGC2227	06	23.8	-21 57	SBcd	58	2241	B12.6	1.30	0	25S	V14.0: Ia	Dec20:	Pennypacker et al.			
1982 U	E308-G16	06	34.0	-39 13	Sc						4E	9S	16. *	Nov *	Wischnjewsky		
1980 M	E366-G05	06	37.2	-36 38	Sc:						23W	46S	17.0*	Nov *	Wischnjewsky		
1982 T	Anon0638-37	06	38.8	-37 00	S:						1E	7N	17. *	Oct *	Gonzales		
- 1982 B	NGC2268	07	00.8	+84 28	Sbc	3	50	2261	B12.2	1.53	23E	16N	B13.7 Ia	Feb16	Wild		

TABLE II (*continued*).

SN	Galaxy	α (1950.0)			type	GALAXY DATA				SUPERNOVA DATA				discoverer	
		h	m	$^\circ$		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type		
- * 1962 Q	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	34W	11S	16.9*	Feb *	Shachbazian, Iskudarian
- * 1968 V	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	35W	36N	V15.7*	II: Jan	Shachbazian
- * 1968 W	NGC2276	07	10.5	+85 51	Sc	1:	17	2369	B12.0	1.42	7W	7N	16.6*	Mar *	Iskudarian
- 1987 L	NGC2336	07	18.5	+80 17	SBbc	1	55	2172	B11.2	1.84	59E	70S	V13.0: Ia	Jul27:	Patchick
1976 N?	Anon0727+65	07	27.2	+65 19							7E	6S	15.0*	Oct *	
- 1954 J	NGC2403	07	32.0	+65 43	Scd	5	52	136	B 8.9	2.25	36E	100N	B16.5: V	Oct	Zwicky
- 1988 C	M+07-16-008	07	34.0	+42 03	Sbc	42	5880	14.5	1.16		21E	10N	V17. *	Ia	Pollas
- 1977 E	Anon0743+85	07	43.0	+85 50	S:						2W	3N	15.0*	Nov *	Lovas
- 1978 F	Anon0747+73	07	47.0	+73 27							8W	1S	18.0*	Pec	Lovas
- 1987 O	M+02-20-009	07	48.7	+14 09	S						30W	0	17. *	Ia	Nov:
- 1988 D	M+00-20-006	07	49.2	+02 57							6E	15S	15.5*	Ia	Maury, Mueller
- 1987 P	Anon0752+14	07	52.4	+14 30							8W	1S	V17.5*	Ia	Pollas
1975 O	NGC2487	07	55.3	+25 16	SBb	34	4864	14.0	1.44		26E	15N	B15.2	I	Nov28
1977 C	M+11-10-52	07	58.6	+67 17	S:				15.4		3E	17N	16. *	I	Oct:
- 1984 F	M+08-15-47	08	07.6	+46 37	Im	8:	-	2254	14.3	1.27	24E	19S	16.0*	Mar *	Metlova
- 1901 A	NGC2535	08	08.2	+25 21	Sc p	1:	54	4135	B13.1	1.47	19E	7N	14.7*	Jan *	Reinmuth
1968 G	Anon0813+20	08	13.0	+20 37	Sc			12800	17.5		12E	2S	17.4*	I	Zwicky
1962 F	M+04-20-13	08	14.5	+21 50	SBc	1	34	3617	14.5	1.37	38E	40S	16.5*	May *	Berger
- 1960 M	NGC2565	08	16.9	+22 11	SBbc:	3:	62	3684	B13.4	1.28	13W	34N	15.7*	I	Gomes
- 1960 D	M+04-20-30	08	17.4	+21 02	Sdm	21	5008	15.5	1.23		18E	26S	16.4*	Mar *	Humason
1961 B	IC2363	08	22.9	+19 37	SBbc:	2		7616	15.0		9E	18N	18.5*	Jan *	Humason
- 1960 N	M+04-20-51	08	23.2	+21 37	Sdm:	67	5344	15.5	1.05		11E	12N	16.6*	I	Gomes
- 1984 D	M+03-22-14	08	25.7	+17 38	S p	37		14.3	1.12		5W	19N	16.6*	Jan *	Tsvetkov
- 1987 C	MRK 90	08	26.1	+52 52	S: p	27	4270		0.93		12E	16S	V17.3: II	Mar 1:	Petrosian, Oganian
- 1965 P	NGC2599	08	29.2	+22 44	Sa	00	4532	B13.0	1.38		13E	5N	15.7*	Mar *	Gates
- 1920 A	NGC2608	08	32.2	+28 39	SBb:	3	50	2119	B12.8	1.40	19W	5N	11.8*	I	Wolf
1950 D	Anon0840+18	08	40.3	+18 21	Sc			17.			8W	12S	16.6*	Mar *	Chai
1954 K	Anon0841+61	08	41.5	+61 19	Sb			16.0			3E	4N	15.0*	Nov *	Zwicky
- 1933 B	NGC2672	08	46.5	+19 16	E1	-	4223	B12.6	1.41				15.5*		Wachmann
- 1968 E	NGC2713	08	54.7	+03 06	SBab	3	63	3961	B12.6	1.59	6E	14S	B14.4: Ia	Mar 8	Chavira
- 1987 M	NGC2715	09	01.9	+78 17	Sc	3	67	1233	B12.0	1.70	4E	18N	15. *	Ib	Sep
- 1982 X?	UGC4778	09	03.6	+50 55	Sb			11293	14.2		92W	23N	V16.5*	Feb *	Lovas
- 1985 A	NGC2748	09	08.0	+76 41	Sbc	3	65	1489	B12.4	1.49	3W	10S	14.5*	Ia	Schildknecht
1966 A	M+08-17-63	09	11.6	+47 07	S	56	4212	14.0	1.08		3E	10S	15.5*	I	Rosino
- * 1912 A	NGC2841	09	18.5	+51 11	Sb	1	62	631	B10.1	1.91	50W	20N	13.0*	Feb *	Pease, Curtis
- * 1957 A	NGC2841	09	18.5	+51 11	Sb	1	62	631	B10.1	1.91	106W	73N	14.0	I	Schurer
- * 1972 R	NGC2841	09	18.5	+51 11	Sb	1	62	631	B10.1	1.91	46W	70S	16.0*	Ipec	Wild
1952 B	Anon0923+29	09	23.0	+29 40	Sc			16.			9E	11S	17.8*	Jan *	Chai
- 1975 F	NGC2935	09	34.5	-20 54	SBb	1	34	2204	B11.0	1.55	5E	10S	V15. *	Pec	May
1961 T	M+06-21-66	09	36.0	+33 40	I:	-		19.5			3W	5N	17.5*	Nov *	Gates
- 1988 W	Anon0939+26	09	39.8	+26 58							17W	5N	20.2*	Nov *	Pollas
- 1970 L	NGC2968	09	40.2	+32 10	I0	-	1608	B12.3	1.34	120E	75N	13.3*	I	Oct	
1950 G	Anon0941+09	09	41.4	+09 35	Sc				17.5		3E	2N	18.3*	Feb *	Zwicky
- 1954 Z	M+02-25-30	09	42.6	+09 20	Sbc	5:	56	5626	B13.4	1.27	14W	19S	16.0*	Feb *	Zwicky
- 1961 F	NGC3003	09	45.6	+33 39	SBc	6:	73	1476	B12.2	1.77	34E	17N	13.0	IV	Feb23
1965 E	Anon0947+34	09	47.2	+34 39	Sb			6595	16.9		36W	5N	16.4*	Mar *	Zwicky
1963 U	M+06-22-24	09	50.3	+36 18	I	-	5482	14.9	0.87	2W	9N	15.0*	Pec	Dec	
- 1983 E	NGC3044	09	51.1	+01 49	SBc	79	1335	B12.6	1.68		29E	11S	B14.9	II:	Mar15:
- 1965 N	NGC3074	09	56.7	+35 38	Sc	3	24	5144	14.8	1.40	6E	9N	15.4:	II	Rudnicki
- 1983 J	NGC3106	10	01.2	+31 26	S0			6204	14.0		11E	12S	B16.2*	Apr *	Metlova
- 1935 B?	NGC3115	10	02.7	-07 29	SO	68	698	B10.1	1.92		36W	60N		Apr *	Samaha
1982 Y?	UGC5449	10	04.0	+68 36	SBc:			15.3			12E	5N	V17.0*	Feb *	Lovas
- 1984 E	NGC3169	10	11.6	+03 43	Sa p	2	49	1248	B11.3	1.68	60W	15N	B15.2	II	Apr 1
- 1972 H	NGC3147	10	12.7	+73 38	Sbc	2	27	2721	B11.5	1.60	31E	37N	B15.0	I	Jul29
- 1947 A	NGC3177	10	13.8	+21 22	Sb	4	36	1220	B13.0	1.22	17E	40S	16.8*	II	Hubble
- * 1921 B	NGC3184	10	15.3	+41 40	Scd	3	12	418	B10.4	1.84	32E	160S	13.5	II:	Zwicky, Hubble
- * 1921 C	NGC3184	10	15.3	+41 40	Scd	3	12	418	B10.4	1.84	79E	236S	11.0	I	Jones
- * 1937 F	NGC3184	10	15.3	+41 40	Scd	3	12	418	B10.4	1.84	5E	149S	13.7	II	Dec15
- 1988 B	NGC3191	10	16.0	+46 43	SBbc p	45	9145	13.9	0.89	0	10N	15.5*	Ia	Wild	
- 1953 D	NGC3200	10	16.2	-17 44	Sab	3	68	3567	B12.3	1.68	15E	56N	19.5*	Mar *	Chai
1951 C	Anon1016+08	10	16.5	+08 21	E1:	-		17.8			12W	8S	18.2*	Feb *	Zwicky
- 1966 J	NGC3198	10	16.9	+45 49	SBc	3	63	649	B10.9	1.92	100W	165S	B11.4: Ib	Nov30:	Wild
1950 E	Anon1017+13	10	17.5	+13 35	Sb				15.7		74W	0	17.8*	Apr *	Chai
1961 S	M+04-25-05	10	18.3	+21 58	E1:	-		15.8			19E	6S	18.3*	Nov *	Kearns
- 1988 I	Anon1018+35	10	18.3	+35 55				11260			5E	1N	19. *	Ipec	Pollas
1961 G	M+04-25-12	10	19.6	+21 29	Sb			16125	16.3		9W	2S	18.2*	Apr *	Humason
1961 L	NGC3221	10	19.6	+21 50	SBc:	6	74	4103	14.3	1.52	19W	53N	17.5*	Jul *	Wild
- 1976 K	NGC3226	10	20.7	+20 09	E2: p	-		1362	B12.3	1.44	28E	21N	17. *	I:	Klemola, Arlan
- 1983 U	NGC3227	10	20.8	+20 08	Sa p	5	45	1152	B11.6	1.75	19W	1N	B13.4	Ia	Pronik
1964 M	Anon1024+20	10	24.5	+20 42	Sc			5763	16.3		14W	5S	18.0*	Dec *	Zwicky
- 1941 B	NGC3254	10	26.5	+29 45	Sbc	3	69	1228	B12.2	1.71	10W	34S	15.1*	Mar *	Johnson
- 1984 G	Anon1027-26	10	27.1	-26 12	I:	-		17.4			2W	8S	18.5*	Mar *	Gonzales
- 1950 M?	NGC3266	10	29.8	+65 01	S0:	81	1900	B13.3	1.23		2E	3N	14.5*	Mar *	Deutsch
1962 D	M-05-25-12	10	30.8	-27 39	I:	-		17.4			0	2S	16.0*	Feb *	Zwicky
- 1985 C	E436-G36	10	31.5	-27 45	Sb:						B16.5*	I:	Feb	Spanhauer, Cameron	
- 1970 D	Anon1035+11	10	35.2	+11 01	Sc			15407	15.1		6E	12N	17. *	Apr *	Kowal

TABLE II (*continued*).

SN	Galaxy	α (1950.0) δ			type	GALAXY DATA					SUPERNOVA DATA			discoverer	
		h	m	s		Lc	inc	V_{hel}	mag	log D	offset	mag	type		
- 1974 C	NGC3310	10	35.7	+53 45	Sbc p	3	83	1019	B11.2	1.56	8E	14S	16.5*	Feb *	Kormendy
1975 D	UGC5793	10	36.6	+15 06	S:				15.2		2E	11N	17.0*	Mar *	Kowal
1965 D	M-05-25-32	10	37.1	-27 39	Sc	29	3208		14.5	0.87	17E	29N	14.0*	Feb *	Zwicky
- 1984 S	NGC3336	10	37.9	-27 31	Sc						2E	8N	V15.0*	Dec *	Wischnjewsky
- 1985 D	E264-G32	10	38.5	-46 03	Sc			6968			1W	5S	B18.2*	Feb *	Spanhauer, Cameron
1972 D	Anon1039+12	10	39.0	+12 26	Sc				18.5		2E	1N	18.5*	Apr *	Kowal
1974 F	Anon1041+14	10	41.2	+14 17	E:				18.0		1W	5N	18.0*	Mar *	Kowal
- 1985 H	NGC3359	10	43.4	+63 29	SBc	3	51	1010	B11.0	1.83	35W	22N	V16.4* II	Feb	Nemec
- 1986 A	NGC3367	10	43.9	+14 01	SBc	1	24	2960	B12.1	1.37	25E	3N	B14.4 Ia	Feb 7	Evans,Cameron,Leibundgut
1970 M?	Anon1045+14	10	45.6	+14 19	Sc p				16.5		13E	1N	16.5*	Nov *	Lovas
- * 1971 U	M+05-26-14	10	45.7	+26 51	Sc p	5:	17	6293	14.5	1.18	10E	3S	V15.5* I	Dec	Ford, Rubin
- * 1977 F	M+05-26-14	10	45.7	+26 51	Sc p	5:	17	6293	14.5	1.18	10E	19S	B15.5* I	Jan 4:	Rosino
- 1967 C	NGC3389	10	45.8	+12 48	Sc	5	56	1267	B12.4	1.43	43W	44N	B13.0 Ia	Feb 24	Chuadze,Lovas
- 1988 Z	M+03-28-022	10	49.2	+16 16				6600	15.6		11E	23	B16.4* IIpec	Dec	Candeo,Pollas
1970 B	Anon1050+14	10	50.4	+14 21	S:				16.5		1E	7N	15. *	Mar *	Kowal
1953 G	Anon1056+50	10	56.3	+50 32	S:				16.		8E	6N	16.5*	Feb *	Notni,Oleak
- 1968 C	Anon1057+26	10	57.5	+26 59	I:				18.0		1E	2S	17.8*	Feb *	Zwicky
- 1954 L	Anon1058+12	10	58.5	+12 36	Sb			9904	15.7		20W	6N	19.3*	Feb *	Zwicky
- 1983 aa	QSO1059+07	10	59.0	+07 30				27000:			3SE		V19.6*	May *	Campbell <i>et al.</i>
1953 H?	Anon1101+50	11	00.8	+50 07					19.5		1E	3S	17.0*	Mar *	Notni,Oleak
1955 L	M+05-26-47	11	02.2	+30 18	S				14.7		8E	14N	16.5*	Mar *	Lovas
1983 B	Anon1107+58	11	07.5	+58 40	S:						12W	10S	17.0*	Feb *	Turatto
1955 H	Anon1108+03	11	08.2	+03 12	I:				19.4		3E	3S	18.8*	Apr *	Zwicky
- 1953 A	NGC3561A	11	08.5	+28 59	Sa p	29	8825	16.3	1.03		5E	1N	16.0*	Apr *	Arp
- 1969 B	NGC3556	11	08.5	+55 56	SBcd	5	72	680	B10.7	1.92	84W	12S	B13.9 II	Jan 23	Wild, Balasz
1955 N	Anon1108+24	11	08.6	+24 27	I:				17.7		4E	1S	19.8*	Mar *	Zwicky
1951 D	Anon1109+03	11	09.2	+03 58	E:				18.5		6E	1S	19.6*	May *	Zwicky
1973 D	NGC3570	11	09.4	+27 51	S0	00			15.0	1.10	16E	10S	V17.0*	Jan *	Kowal
1973 V	M+09-18-102	11	09.4	+54 18	Sc	3:			15.4		18W	3S	V17.0* II	Dec:	Kowal
1973 A	NGC3574	11	09.5	+27 53	E2				15.7	0.68	2W	30N	V18.0*	Jan *	Kowal
1955 O	Anon1109+22	11	09.8	+22 03	Sa				17.0		1E	6N	19.3*	Mar *	Zwicky
- 1975 P	NGC3583	11	11.3	+48 36	SBb	3	45	2160	B12.2	1.45	51E	37S	B14.5: I	Nov 13	Kowal
1972 B	Anon1111+54	11	11.9	+54 46	S:				17.0		6E	3N	V18.5*	Jan *	Kowal
1954 I	Anon1112-20	11	12.1	-20 38	S:				17.5		6E	2N	17.3*	Jan *	Zwicky
1962 E	M+04-27-10	11	12.5	+26 10	E1		14250		15.5		4W	14S	16.8: I	Feb 20:	Rudnicki
- 1984 B	M+09-19-19	11	12.7	+56 11	S				16.0		8E	5S	B16.9: II	Jan 28:	Metlova
1966 O?	Intergalactic	11	13.5	+29 38									15.5*	Feb *	Anderson,Luyten,Sandage
1952 D	Anon1114-02	11	14.9	-02 48	Sc:				16.7		11W	15N	19.5*	Apr *	Zwicky
* 1966 K	M+05-27-53	11	15.6	+28 33	S0:	00	9808	14.7	1.22		26W	15N	17.8*	Dec *	Rudnicki
* 1971 A	M+05-27-53	11	15.6	+28 33	S0:	00	9808	14.7	1.22		18E	13S	16.5*	Jan *	Kowal
1967 B	Anon1115+04	11	15.8	+04 08	I:				18.5		3E	0	14.5*	Jan *	Chavira
1978 B	M+10-16-117	11	16.8	+59 34	Sc:				15.1		1W	24S	14.0* II	Jul	Young, Ritchie
1980 B?	M+09-19-42	11	17.0	+54 44	S:				15.4		16E	0	16.0*	Feb *	Lovas
- 1973 R	NGC3627	11	17.6	+13 16	Sb	3	60	697	B 9.7	1.94	49W	25N	B15.0 II	Dec 12	Rosino
- 1983 W	NGC3625	11	17.6	+58 03	SBb	69	1966	13.9	1.34		10E	2B	B13.3 Ia	Dec 23	Schildknecht
1971 H	Anon1118+28	11	18.2	+28 34	Sc				18.0		11E	30S	18. *	Apr *	Kowal
- * 1964 A	NGC3631	11	18.2	+53 27	Sc	1	27	1087	B11.0	1.66	74W	92N	17.0* V	Feb	Wild
- * 1965 L	NGC3631	11	18.2	+53 27	Sc	1	27	1087	B11.0	1.66	38W	58N	14.7: II	Aug 5:	Wild
- * 1963 K	NGC3656	11	20.8	+54 07	Io: p			2828	B13.1	1.24	11E	19S	15.0* I:	Jul *	Bertaud
- * 1973 C	NGC3656	11	20.8	+54 07	Io: p			2828	B13.1	1.24	11W	6S	V17.0*	Jan *	Kowal, Shakhabyan
- 1984 R	NGC3675	11	23.4	+43 52	Sb	3	57	738	B10.9	1.77	14W	6N	V13. *	Dec *	Ikeya,Maisaka,Shisuka
- 1955 G	Anon1123+03	11	23.5	+03 46	S			10544	15.2		8E	10S	19.4*	Apr *	Zwicky
1956 E	Anon1128-15	11	28.5	-15 52	Sc:				17.5		3E	4S	19.5*	Feb *	Zwicky
1960 G	M+03-29-60	11	28.5	+18 40	Sc:				16.0		14E	6S	17.5*	Apr *	Humason
1955 P	Anon1129+25	11	29.5	+25 15	Sb:				17.2		13W	3S	18.5*	Mar *	Zwicky
- 1984 Q	M+09-19-109	11	29.5	+54 11	S				14.6		2W	12N	16.8*	Dec *	Wild
- 1980 D	NGC3733	11	32.3	+55 08	Sc:	61	1188	13.2	1.68		32W	113N	15.0* II	Mar:	Wild
1966 D	Anon1133+20	11	33.6	+20 48	Sa:			6533	15.5		12W	8S	19.5*	Jun *	Rudnicki
- 1975 T	NGC3756	11	34.0	+54 34	Sbc	3	57	1071	B12.2	1.64	54W	34S	B15.7 II	Jan 1976	Wild
- 1978 H	NGC3780	11	36.6	+56 32	Sc	3	34	2392	B12.3	1.49	14E	13S	V16.5* II	Nov:	Wild
- * 1969 C	NGC3811	11	38.6	+47 58	SBcd: p	5	39	3120	B12.7	1.38	9E	6N	B14.4 Ia	Feb 2	Rosino, Jankovich
- * 1971 K	NGC3811	11	38.6	+47 58	SBcd: p	5	39	3120	B12.7	1.38	30W	17S	B16.2 II:	Jun 19	Kulikovskij
1965 C	Anon1140+18	11	40.7	+18 48	S:				16.3		1E	8S	18.0*	Jan *	Zwicky
- 1968 F	NGC3834	11	41.0	+19 23	Sa	42	6533	15.1	1.27		8W	11N	V16.2*	Feb *	Herszog
- 1986 C	M+03-30-66	11	41.2	+20 15	I		6649		14.3		60W	60N	B18. * II	Feb	Leibundgut, Binggeli
- 1988 J	Anon1141+60	11	41.4	+60 29							1W	8S	17. *	Ia	Kimeridze
- 1971 C	NGC3904	11	46.7	-29 02	E2:			1613	B12.0	1.35	167W	60S	V15.3*	Jan *	Jolly
- * 1963 J	NGC3913	11	48.0	+55 37	Sd:	5:	17	855	14.2	1.42	5W	12S	B13.3 Ia	May 24	Zwicky, Wild
- * 1979 B	NGC3913	11	48.0	+55 37	Sd:	5:	17	855	14.2	1.42	40E	20N	B12.3 Ia	Mar 15	Rosino
1970 F	Anon1148+53	11	48.1	+53 20	S:				16.5		4E	5N	19.0*	May *	Kowal
1974 D?	NGC3916	11	48.2	+55 25	Sb	5	72		14.8	1.25	34E	31N	15.5*	Mar *	Lovas
1971 B	M+08-22-25	11	49.9	+49 24	Sc	1	24	874	B10.9	1.73	22W	20S	17.5*	Jan *	Kowal
- * 1961 U	NGC3938	11	50.2	+44 23	Sc	1	24	874	B10.9	1.73	3W	31N	13.4 Ib	Jan 1, 1962	Wild
- * 1964 L	NGC3938	11	50.2	+44 23	Sc	1	24	874	B10.9	1.73	28E	9N	16.0*	Dec 8	Wild
- 1972 C	NGC3947	11	50.8	+21 02	SBbc	3	00	6242	14.2	1.20					Kowal

TABLE II (*continued*).

SN	Galaxy	α (1950.0)			δ ° '	type	GALAXY DATA				SUPERNOVA DATA				discoverer		
		h	m	s			Lc	inc	V_{hel}	mag	log D	offset	mag	type			
1958 D	Anon1151-30	11	51.2	-30	28	Sc				16.0		6W	13S	19.5*	Apr *	Zwicky	
1983 C	Anon1151-28	11	51.7	-28	47	S						16E	16N	18.0*	Jan *	Masa	
1967 D	Anon1151+20	11	51.7	+20	18	Sc				15.6		12W	9N	19.5*	Feb *	Rudnicki	
1946 A	NGC3977	11	53.5	+55	40	Sab:	21	5707	14.7	1.24					18.0*	May *	Hubble
- 1956 A	NGC3992	11	55.0	+53	39	SBbc	1	50	1059	B10.6	1.88	67E	9S	12.5: I	Mar17:	Gates	
1982 A?	M-05-28-17	11	55.5	-28	46					16.0		14W	1N	16.5*	Jan *	Wischnjewsky	
1954 ab	Anon1155-05	11	55.7	-05	39	Sc:				18.9		0	1N	17.5*	Apr *	Zwicky	
- 1964 E	M+09-20-51	11	56.6	+52	59	SBcd	5	42	1068	14.5	1.58	83W	44S	B12.5 I	Mar 3	Lovas	
- * 1921 A	NGC4038	11	59.3	-18	35	SBm p	46	1650	B11.3	1.41		62E	42S	14.0*	Mar *	Hubble, Duncan	
- * 1974 E	NGC4038	11	59.3	-18	35	SBm p	46	1650	B11.3	1.41		13W	17N	17.5*	Jan *	Lovas	
1965 O?	Anon1159+50	11	59.8	+50	12											Lovas.	
- 1985 B	NGC4045	12	00.2	+02	16	Sbc	2	42	1921	B12.7	1.44	27E	8N	V13.0* Ia	Jan	Horiguchi, Tokorozawa, Saitama	
- 1983 I	NGC4051	12	00.6	+44	49	Sbc	3	37	674	B11.0	1.70	22E	52S	B13.7 Ib	Apr25:	Kielkopf et al., Tsvetkov	
- 1961 K	M+03-31-25	12	00.8	+16	47	Sbc:	24	3510	14.6	0.77	10W	5S	16.3*	Jun *	Humason		
- 1955 F	M+00-31-25	12	01.2	+01	59	Sb:	66	5521	15.0	1.16	15E	17N	19.5*	Apr *	Zwicky		
1970 E	Anon1201+52	12	01.5	+52	12	Sa:				17.5		2E	5S	18.5*	May *	Kowal	
- 1973 H	M-01-31-04	12	02.9	-04	02	Sbb:				9304	15.7	3E	16S	18.5*	Apr *	Zwicky	
- 1960 H	NGC4096	12	03.4	+47	45	Sc	3	72	494	B11.0	1.81	67E	114N	14.5* Ia	Jun:	Wild, Humason	
1971 J	Anon1203+14	12	03.5	+14	06	Sa				18.5		1E	1N	18. *	May *	Kowal	
- 1975 E	NGC4102	12	03.8	+53	00	Sb	3	52	897	B12.3	1.50	21E	27N	V16.7* Ia	May *	Dunlap, Dunlap	
- 1960 C	M+03-31-41	12	04.6	+17	16	SBb	00	6740	14.9	0.83	4W	9N	17.0*	Feb *	Humason		
1972 F?	M+09-20-97	12	04.6	+53	57	Sa				16.0		17E	15S	16. *	May *	Lovas	
- 1954 aa	NGC4129	12	06.3	-08	45	Sc	3	72	1210	B13.2	1.41	53W	6N	19.9*	Apr *	Zwicky	
- 1941 C	NGC4136	12	06.8	+30	12	Sc	5	17	445	B11.6	1.61	44E	67S	16.8* II	Apr	Jones	
- 1963 D	NGC4146	12	07.8	+26	42	SBab:	21	6930	B13.4	1.20	19E	27S	B15.8 I	Jan23	Rosino		
- 1974 A?	NGC4156	12	08.3	+39	45	Sbb:	1	32	6765	B13.9	1.19	15W	15N	20.0*	Jan *	Arp	
- * 1937 A	NGC4157	12	08.6	+50	47	Sbc	3:	76	916	B11.6	1.84	42E	42N	15.5 II	Jan19	Zwicky	
- * 1955 A	NGC4157	12	08.6	+50	47	Sbc	3:	76	916	B11.6	1.84	103E	40N	16.0*	Apr *	Zwicky	
- 1965 G	NGC4162	12	09.3	+24	24	Sbc	3	51	2546	B12.3	1.40	19E	23S	14.0*	Mar *	Haro, Hoffmeister	
- 1971 G	NGC4165	12	09.7	+13	31	Sa	44	1849	B14.2	1.18	3E	30S	B13.7 I	Apr11	Rosino		
- 1963 I	NGC4178	12	10.2	+11	09	Sbc	3	67	355	B11.9	1.70	10W	22S	B13.3 I	May 5	Zaytseva	
- 1963 X	Anon1210+21	12	10.5	+21	17	E:				15.8				16. *	Mar *	Hoffmeister	
- 1968 U?	NGC4183	12	10.7	+43	58	Scd	7	80	928	B12.4	1.70	20W	95N	14.5* Ia	Oct *	Dunlap	
- 1982 C	NGC4185	12	10.8	+28	47	Sb	40	4074	B13.1	1.46	28E	47S	B16.4* Ia	Feb *	Lovas		
1973 K	Anon1211-05	12	11.1	-05	42	S:				18.3		6E	4N	19.1*	Apr *	Zwicky	
- 1966 E	NGC4189	12	11.3	+13	42	SBc	3	29	2115	B12.5	1.39	20W	36N	14.6* II	Jul:	Wild	
- 1954 A	NGC4214	12	13.1	+36	37	Im	6	-	290	B10.2	1.90	84E	216S	9.8: Ib	Apr19:	Wild	
- 1983 O	NGC4220	12	13.7	+48	09	S0	68	979	B12.2	1.61	19E	15S	V14.5* Ia	Jun *	Wild		
1972 S	Anon1214+24	12	14.8	+24	12	Sa:				17.7		1W	1S	16.3*	Apr *	Erastova	
1980 E	Anon1215+48	12	15.1	+48	10	Sb:				17.8		1E	8S	16.5*	Mar *	Humason	
- 1963 G	IC3112	12	15.3	+26	18	Sb:	56	7741	15.3	1.12	7E	17S	15.8*	Feb *	Kurochkin		
- * 1975 C	NGC4246	12	15.4	+07	28	Sc	2	54	3724	B13.4	1.40	46W	18S	V18. *	Mar *	Kowal	
- * 1984 U?	NGC4246	12	15.4	+07	28	Sc	2	54	3724	B13.4	1.40	33E	14S	18.0*	Mar *	Gonzales	
- * 1967 H	NGC4254	12	16.3	+14	42	Sc	1	27	2413	B10.4	1.73	80E	19S	14.0* II	Jul:	Zwicky	
- * 1972 Q	NGC4254	12	16.3	+14	42	Sc	1	27	2413	B10.4	1.73	15E	97N	B15.8 II	Dec16	Rosino	
- * 1986 I	NGC4254	12	16.3	+14	42	Sc	1	27	2413	B10.4	1.73	36E	16S	V14.2 II	May20	Pennypacker et al.	
- 1981 K	NGC4258	12	16.5	+47	35	Sb	3	64	465	B 9.0	2.26	17E	76N	16.0*	Aug *	Hummel, Wild	
- 1987 D	M+00-32-01	12	17.2	+02	22	Sbc	79	2227	14.6		12E	23S	B13.7 Ia	Apr17	Metlova		
- 1936 A	NGC4273	12	17.4	+05	37	SBc	3	47	2378	B12.4	1.36	0	29N	14.9 II	Jan26	Hubble, Moore	
1980 A?	M+05-29-64A	12	17.9	+31	27					6697	14.5	9E	9S	15.5*	Feb *	Lovas	
- 1986 E	NGC4302	12	19.2	+14	53	Sc	77	1149	B12.6	1.72	17W	117N	B13.4 II	Mar28	Candeo		
- * 1926 A	NGC4303	12	19.4	+04	45	Sc	1	24	1566	B10.2	1.78	11W	69N	14.2 II	May 5	Wolf, Reinmuth	
- * 1961 I	NGC4303	12	19.4	+04	45	Sc	1	24	1566	B10.2	1.78	82E	12S	B13.5* III	Jun	Humason	
- * 1964 F	NGC4303	12	19.4	+04	45	Sc	1	24	1566	B10.2	1.78	28W	1S	12.0: II	Jun13	Rosino	
- * 1901 B	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	110W	4N	15.6* I	Mar	Curtis	
- * 1914 A	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	24E	111S	15.7*	Mar *	Curtis	
- * 1959 E	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	58E	21S	17.5* I	Sep:	Humason	
- * 1979 C	NGC4321	12	20.4	+16	06	Sc	1	27	1568	B10.1	1.84	56E	87S	B11.6 II	Apr15	Johnson	
- 1955 E	NGC4335	12	20.6	+58	44	E2	-	4615	13.7	1.35	19W	7S	16.3*	May *	Zwicky		
- 1977 A	NGC4340	12	21.1	+17	00	SB0	37	930	B12.0	1.61	11W	41N	16.2*	Jan *	Kulikovskij		
- 1957 B	NGC4374	12	22.5	+13	10	E1	-	1000	B10.3	1.70	8W	47N	12.2 I	May 8	Romano, Gates		
- 1960 J	NGC4375	12	22.5	+28	50	SBab p	32	9165	13.9	1.21	37E	17N	18.5*	Jun *	Humason		
- 1960 R	NGC4382	12	22.9	+18	28	S0 p	42	760	B10.1	1.85	8E	132S	B11.9 I	Dec19	Gates, Rosino		
- 1980 I	N 4374-4406	12	23.1	+13	10										Rosker		
- 1976 B	NGC4402	12	23.6	+13	23	Sc	71	232	B12.6	1.61	63E	2S	B15.2 Ib:	Apr 5	Lovas		
1970 O	Anon1223+28	12	23.8	+28	02	S:					0	7N	13.7*	Feb *	Romano		
- 1965 A	NGC4410B	12	23.9	+09	18	S0 p		7533	B14.2		17E	10N	16.0* I:	Jan *	Chavira		
- 1974 G	NGC4414	12	24.0	+31	30	Sc	3	53	715	B11.0	1.56	27E	56S	B12.4 Ia	May 2	Burgat	
- 1984 A	NGC4419	12	24.4	+15	19	Sa	68	-196	B12.1	1.53	15W	30N	B12.5 Ia	Jan17	Kimeridze, Rosino		
- 1960 I	M+08-23-37	12	24.6	+48	33	SB	17	7800	14.7	1.05	5E	11S	15.7 I:	May15	Humason		
- 1895 A	NGC4424	12	24.7	+09	42	Sa p	5:	59	439	B12.3	1.57	75E	11S	12.5* Mar *	Wolf (VW Vir)		
- 1952 F	Anon1225+13	12	25.9	+13	37	Sb:				18.5		2E	2S	16.9*	Jan *	Zwicky	
- 1985 G	NGC4451	12	26.1	+09	32	Sc	5	45	860	B13.3	1.17	2W	7N	B15.0 II	Mar10	Horiguchi	
- 1966 F	NGC4453	12	26.2	+06	47	Sc p	62	11568	B15.7	0.79	7E	6S	V17.5* Ia	Jul *	Rudnicki		
- 1969 Q?	NGC4472	12	27.2	+08	17	E2	-	969	B 9.3	1.95	120E	0	13.0*	Jun *	Evans		

TABLE II (*continued*).

SN	Galaxy	α (1950.0) δ			type	GALAXY DATA					SUPERNOVA DATA					discoverer	
		h	m	$^{\circ}$		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type	date			
- 1982 F	NGC4490	12	28.2	+41	54	SBd p	5	58	625	B10.2	1.77	35E	20S	B15.5:	II	Mar	Wild
- 1919 A	NGC4486	12	28.3	+12	40	E0 p	-	1258	B 9.6	1.86	15W	100N	12.3	I	Feb26	Balanowsky	
- 1988 M	NGC4496B	12	29.1	+04	12	Sc:	29	4548	B14.5	1.00	0	13S	-	II	Apr *	Filippenko, Sargent	
- 1960 F	NGC4496A	12	29.1	+04	13	SBc	6	37	1730	B12.0	1.59	38E	24N	B11.6	Ia	Apr20	Humason
- 1970 A	IC3476	12	30.2	+14	20	Sc	3	29	-225	B13.3	1.34	17W	26S	15.4*	II:	Feb *	Grisunova
1969 G	Anon1231+06	12	31.2	+06	10	S:	-	-	-	17.0	-	4E	7N	18.0*	Apr *	Kowal	
- 1969 E	NGC4526	12	31.5	+07	58	SO:	-	71	533	B10.6	1.86	11W	27S	16.0*	Mar *	Chavira	
- 1915 A	NGC4527	12	31.6	+02	56	Sb	3	69	1738	B11.3	1.80	44E	8S	15.5*	Mar *	Curtis	
- 1981 B	NGC4536	12	31.9	+02	28	Sc	1	62	1809	B11.0	1.87	41E	41N	B12.0	Ia	Mar 9	Tsvetkov
- 1960 B	M+02-32-144	12	32.2	+09	17	S0:	-	-	12861	B14.9	-	5E	6S	16.0*	Feb *	Kearns	
- 1940 D	NGC4545	12	32.4	+63	48	Sc	3	52	2721	B12.9	1.44	9W	20N	15.0*	Jul *	Johnson	
1954 G	Anon1232-18	12	32.8	-18	58	Sc:	-	-	-	17.5	-	13W	5S	16.6*	Mar *	Zwicky	
- 1941 A	NGC4559	12	33.4	+28	14	Scd	4	62	856	B10.3	2.02	30W	26N	13.2	II	Mar	Jones
- 1961 H	NGC4564	12	33.9	+11	43	E6	-	1111	B12.0	1.49	0	5N	B11.8	Ia	May 8	Romano	
- 1988 A	NGC4579	12	35.2	+12	06	Sab	3	36	1567	B10.6	1.73	1W	46S	V13.5	II	Jan18	Ikeya et al., Evans, Pollas
- 1987 F	NGC4615	12	39.1	+26	18	Sc	49	4746	B13.4	1.22	20E	5S	B15.3	Ipec	Mar30	Metlova, Schildknecht	
- 1985 F	NGC4618	12	39.1	+41	26	SBm	29	540	B11.3	1.64	-	14NE	B12.1	Ib	Jun12:	Filippenko, Sargent	
- 1939 B	NGC4621	12	39.5	+11	55	E4	-	424	B10.8	1.71	0	53S	12.0	I	May 1	Zwicky	
- 1946 B	NGC4632	12	40.0	+00	10	Sc	4	65	1693	B12.2	1.50	16E	6N	15.7*	II:	Hubble	
- 1939 A	NGC4636	12	40.3	+02	58	E1	-	979	B10.5	1.79	26W	20N	12.6	I	Jan25	Zwicky	
1956 C	Anon1240+04	12	40.6	+04	05	S	-	-	-	16.7	-	5E	27S	17.6*	Feb *	Zwicky	
- 1979 A	NGC4647	12	41.0	+11	51	Sc	5	36	1422	B12.0	1.48	50W	30N	V15.0*	I	Jan	Kimeridze
- 1987 K	NGC4651	12	41.2	+16	40	Sc	3	45	814	B11.3	1.58	22W	5N	V14.2:	IIb	Jul31	Pennypacker et al.
- 1965 H	NGC4666	12	42.6	-00	10	Sbc	3	70	1645	B11.6	1.65	22W	29S	14.1*	II	May:	Chavira
- 1907 A	NGC4674	12	43.5	-08	23	SB0	-	67	1301	14.5	1.28	10W	11N	13.5:	I	May10	Luyten
- 1966 B	NGC4688	12	45.2	+04	36	SBcd	7	21	977	B12.7	1.52	24W	38S	B14.9	II	Jan29	Yakimov, Gates
* 1948 A	NGC4699	12	46.5	-08	24	Sb	-	41	1511	B10.5	1.55	0	46N	17.0*	Mar *	Hubble	
* 1983 K	NGC4699	12	46.5	-08	24	Sb	-	41	1511	B10.5	1.55	148E	131N	B12.4	II	Jun23	Wischnjewsky
- 1981 F	NGC4716	12	47.9	-09	10	-	-	4705	15.0	-	1W	11N	15.0*	I	May:	Wischnjewsky, Gonzales	
* 1940 B	NGC4725	12	48.0	+25	46	Sab p	1	44	1114	B10.0	2.04	95E	118N	13.1	II	May 8	Johnson
* 1965 H	NGC4725	12	48.0	+25	46	Sab p	1	44	1114	B10.0	2.04	18E	10N	15.0*	I	Jun:	Fairall
- 1965 B	NGC4727	12	48.3	-14	05	SBbc:	-	32	5169:	14.2	1.21	6W	8N	15.0*	Jan *	Chavira	
- 1961 D	M+05-30-101	12	48.3	+28	06	E0	-	7638	14.8	-	32E	12S	16.0	I	Jan 5	Kearns	
* 1965 I	NGC4753	12	49.8	-00	56	I0	-	1255	B10.9	1.73	98W	68N	B12.5	Ia	Jun17	Rosino	
* 1983 G	NGC4753	12	49.8	-00	56	I0	-	1255	B10.9	1.73	17W	14S	B12.9	Ia	Apr 6	Okazaki, Evans, Tsvetkov	
1983 A	E323-G25	12	49.9	-38	45	Sc	-	4060	13.0	-	15W	15S	17.5*	Jan *	Wischnjewsky		
- 1988 E	NGC4772	12	50.9	+02	26	Sa	1	60	1040	B12.4	1.52	0	20N	17. *	II	Jan *	Taniguchi
- 1956 B	NGC4782	12	52.0	-12	16	E0 p	-	3997	B12.8	1.19	40W	15S	18.6*	Apr *	Zwicky		
- 1973 E	Anon1254-04	12	54.5	-04	45	I:	-	-	16.4	-	0	4S	16.2*	Apr *	Zwicky		
- 1963 C	M+05-31-32	12	55.3	+28	09	E3	-	6050	15.3	0.75	5W	6N	15.6	I	Jan26	Zwicky	
- 1958 C	E443-G18	12	55.4	-30	19	Sb	-	-	-	17.5	-	21W	22N	19.6*	Apr *	Zwicky	
- 1963 M	M+05-31-35	12	55.5	+28	20	Sa:	-	8163	16.3	-	2W	7S	15.7	I:	Jun14	Reaves	
- 1968 H	Anon1255+27	12	55.9	+27	24	E	-	12050	16.6	-	9W	2N	16.6	I	May 1:	Zwicky	
- 1985 K?	Anon1256+28	12	56.9	+28	15	-	-	6412	-	-	-	-	V17.7*	May *	Arganbright		
* 1968 B	NGC4874	12	57.2	+28	14	E0	-	7171	B12.9	1.43	12W	1N	17.4*	Feb *	Zwicky		
* 1981 G	NGC4874	12	57.2	+28	14	E0	-	7171	B12.9	1.43	15E	10N	15.0*	I	Jun	Lovas	
- 1952 C	Anon1257-03	12	57.6	-03	05	I:	-	-	18.1	-	5W	10S	18.7*	Feb *	Zwicky		
- 1970 C?	M-01-33-68	12	58.0	-06	12	Sc:	7:	42	5038	14.5	1.19	9W	29N	16. *	Mar *	Wild	
- 1964 D	NGC4887	12	58.1	-14	24	S0:	-	61	2696	14.8	1.20	11E	4S	16.5*	Feb *	Haro	
- 1979 E?	NGC4902	12	58.4	-14	15	SBb	1	21	2724	B11.9	1.48	2W	62N	16.0*	Aug *	Wischnjewsky	
- 1950 A	IC4051	12	58.5	+28	17	E0	-	4932	B14.4	1.12	2W	13N	15.0	I:	Feb18	Humason	
- 1959 B	NGC4921	12	59.0	+28	09	SBab	27	5459	B13.0	1.43	16E	48S	18.5*	Pec	Feb:	Humason	
- 1962 I	M+05-31-112	13	00.5	+27	47	S:	-	-	-	19.0	-	8W	7N	16.6	I:	May18	Berger
- 1973 F	NGC4944	13	01.5	+28	28	S0:	68	6993	B12.9	1.28	27E	3N	B15.7	I	Apr 9	Kohoutek	
* 1968 X?	NGC4939	13	01.7	-10	05	Sbc	1	57	3096:	B11.6	1.76	35W	8N	16.0*	Nov *	Wild	
* 1973 J	NGC4939	13	01.7	-10	05	Sbc	1	57	3096:	B11.6	1.76	17E	6S	16. *	May *	Wild	
- 1988 K	M+05-31-123	13	02.9	+32	16	Sb p	65	15900:	15.1	1.24	3E	35N	18. *	Ia	Apr	Mueller, Maury	
- 1937 C	IC4182	13	03.5	+37	52	Sm	8	21	225	B11.5	1.76	30E	40N	8.4	Ia	Aug24	Zwicky
- 1962 A	M+05-31-132	13	04.3	+28	08	S0:	49	6137	16.0	1.19	11W	7N	15.2	I	Jan20	Zwicky	
- 1956 D	IC 850	13	05.2	-00	35	S:	75	5458	14.8	0.89	12E	6N	19.2*	Feb *	Zwicky		
- 1968 aa	NGC4975	13	05.4	-04	45	-	-	5302	15.5	0.70	12E	36N	15. *	Apr *	Mnatskanian		
- 1968 I	NGC4981	13	06.1	-06	31	SBbc	4	37	1797	B11.8	1.44	2E	7N	13.5*	I	Apr	Lovas
- 1952 E	Anon1307-03	13	07.2	-03	13	S:	-	-	-	18.0	-	10E	10S	19.8*	Apr *	Zwicky	
- 1954 H	M-01-34-10	13	07.9	-07	23	I:	-	6693	14.5	0.93	27E	17S	17.4*	May *	Zwicky		
- 1956 J	Anon1308+00	13	08.2	+00	18	Sc:	-	11839:	15.4	-	9E	5S	19.8*	Apr *	Zwicky		
- 1976 A?	NGC5004A	13	08.7	+29	50	SBab	57	7163	15.3	1.20	7W	18N	16.5*	Feb *	Lovas		
- 1959 C	M+01-34-05	13	08.8	+03	40	SBc: p	81	2990	15.4	1.17	7E	3S	B14.1	I	Jun28	Humason	
- 1988 N	Anon1311+57	13	11.1	+57	37	S:	-	24000:	-	-	10E	6S	18. *	Ia:	May	Maury, Phinney, Reid	
- 1956 K	Anon1311-03	13	11.2	-03	20	Sb	5:	9087	15.1	-	12W	1S	19.6*	Feb *	Zwicky		
* 1950 C	NGC5033	13	11.2	+36	52	Sc	2:	58	916	B10.6	2.02	225E	50S	18.2*	May *	Zwicky	
* 1985 L	NGC5033	13	11.2	+36	52	Sc	2:	58	916	B10.6	2.02	70W	55N	12.5*	II	Jun	Metlova
- 1984 I	E323-G99	13	11.8	-42	25	Sc	-	2922:	-	-	32W	29N	15.5:	I:	May *	Binggeli, Leibundgut, Tamman	
- 1971 I	NGC5055	13	13.5	+42	18	Sbc	3	52	519	B 9.3	2.09	2W	147S	B11.9	Ia	May29	Jolly, Clark
1938 C	Anon1313+25	13	13.7	+25	26	I:	-	-	-	17.5	-	31E	20S	17.7*	May *	Klein	
1956 G	Anon1314+02	13	14.6	+02	36	Sc:	-	-	-	17.5	-	9W	5N	19.3*	Mar *	Zwicky	
1956 I	Anon1315-01	13	15.2	-01	18	I:	-	-	-	18.7	-	4W	0	20.2*	Apr *	Zwicky	

TABLE II (*continued*).

SN	Galaxy	α (1950.0)			δ	type	GALAXY DATA			SUPERNOVA DATA			discoverer				
		h	m	s	'		Lc	inc	V_{hel}	mag	$\log D$	offset	mag	type	date		
1973 I	Anon1315-06	13	15.7	-06	40	I:		-		19.5		6E	14S	20.5*	Apr *	Zwicky	
- 1969 F	M-03-34-48	13	17.4	-16	52	E0:		-	6168	16.0		4W	10S	16.0*	Apr *	Zwicky	
1980 E?	Anon1317+34	13	17.4	+34	30							8W	7S	16.0*	Apr *	Lovas	
- 1958 F?	NGC5082	13	18.0	-43	26	SB0	70			15.0	1.49	25W	0	16.0*	Jun *	Humason	
1972 T?	M+05-32-01	13	18.0	+31	47				5146	14.9		4W	0	14.0*	Mar *	Lovas	
- 1981 C?	NGC5090	13	18.2	-43	28	E2		-	3067	B12.6	1.41	15E	20S	14.5*	Mar *	Masa	
1956 H	Anon1318+02	13	18.2	+02	32	Sc:				17.5		2W	11N	19.3*	Feb *	Zwicky	
1983 X?	E270-G05	13	18.7	-45	40	SBa			4550			18W	10S	18.0*	Apr *	Wischnjewsky	
1982 G?	Anon1319-35	13	18.7	-35	32				15156			3E	14S	18.*	Apr *	Wischnjewsky	
- 1986 B	NGC5101	13	19.0	-27	10	SB0	27	1850	B11.6	1.74		50W	11S	B17. *	I	Nov 1985:	
1980 F	M-03-34-61	13	19.2	-17	04	E		-	7700:			37E	32N	17.0*	I	May:	
1956 F	Anon1320+07	13	20.5	+07	04	I:		-		19.5		1E	.1S	19.6*	Mar *	Zwicky	
- 1962 H	IC4237	13	21.8	-20	52	Sbb	42	2731	13.8	1.29		19W	3S	13.0:	II	Jun	
- 1986 G	NGC5128	13	22.5	-42	46	S0 p	37	532	B 8.0	2.26		120E	60S	B12.5	Ia	May11	
- 1974 B	NGC5161	13	26.3	-32	54	Sc	1	64	2212	B12.0	1.73	13W	62N	14.5*	Jan *	Kowal	
- 1978 A	M-04-32-23	13	27.5	-21	29	Sb			7377	15.0		15W	0	17.0*	IIpec	Gilmore	
- 1945 A	NGC5195	13	27.9	+47	31	I0 p		-	527	B10.5	1.73	6W	4S	V14.0*	I	Feb:	
- 1988 G	Anon1328+32	13	28.4	+32	11							7W	3S	B15.8*	Ia	Feb	
1980 G	Anon1331-33	13	31.2	-33	15							5W	5N	18.0*	Jun *	Masa, Torres	
- 1970 P	NGC5230	13	33.1	+13	56	Sc	2	27	6893	B12.8	1.35	12W	34S	17.2*	Jun *	Mnatskanian	
- * 1923 A	NGC5236	13	34.3	-29	37	Sbc	2	24	506	B 8.2	2.05	109E	58N	B12.4:	II	Feb20:	
- * 1950 B	NGC5236	13	34.3	-29	37	Sbc	2	24	506	B 8.2	2.05	105W	0	14.5*	Mar *	Lampland	
- * 1957 D	NGC5236	13	34.3	-29	37	Sbc	2	24	506	B 8.2	2.05	20E	127N	15.0*	Dec *	Haro	
- * 1968 L	NGC5236	13	34.3	-29	37	Sbc	2	24	506	B 8.2	2.05	5W	0	B12.0	II	Gates	
- * 1983 N	NGC5236	13	34.3	-29	37	Sbc	2	24	506	B 8.2	2.05	111W	120S	B11.6	Ib	Bennett	
- 1984 C	Anon1335-27	13	35.7	-27	40							8E	0	17.5*	Mar *	Chavira, Haro	
1982 J?	Anon1336-31	13	36.9	-31	28	S						32W	1N	16.5*	Jun *	Evans	
- * 1895 B	NGC5253	13	37.1	-31	23	I0 p	-	403	B11.0	1.60		16E	23N	8.0	I	Fleming (Z Cen)	
- * 1972 E	NGC5253	13	37.1	-31	23	I0 p	-	403	B11.0	1.60		38W	10S	B 8.4	Ia	May10	
- 1988 T	Anon1341-00	13	41.1	-00	17				84000:	V21.3		0	0.4N	V23.4*	Feb *	Kowal	
1980 C?	Anon1343+48	13	43.4	+48	00							7W	0	17.5*	Feb *	Hansen	
1980 H	Anon1345-32	13	45.0	-32	17							14W	6N	18.0*	Jun *	Lovas	
1954 P	Anon1346+09	13	45.5	+09	36	E:		-		19.2		2W	2S	19.5*	May *	Masa	
- 1985 I	Anon1346-29	13	46.0	-29	47				8600			2W	7S	17.5*	I	Zwicky	
- 1988 R	M+09-23-9	13	46.4	+55	03				7200:			7E	3N	15.5*	Ia	Leibungut, Albert	
1954 X	Anon1348+17	13	48.8	+17	53	Sbc				16.7		3E	9S	18.5*	Aug *	Lovas	
1954 Q	Anon1351+09	13	51.0	+09	58					20.0		12W	8N	18.5*	Apr *	Zwicky	
- 1954 Y	M+03-35-37	13	52.1	+15	17	SB0		5700	14.1	1.14		13W	0	19.4*	Apr *	Zwicky	
- 1977 B	NGC5406	13	58.2	+39	09	Sc	1	39	5278	B13.0	1.32	33W	23S	14.0*	Mar *	Terlevich, Melnick	
- 1975 G	M+09-23-25	13	59.5	+54	40	S0:			1900	14.9		14E	2S	B14.8	Ia	Jun11	
- 1985 E	E510-G48	14	00.1	-25	56	Sa:						12W	17S	B17.5*	II	Cameron, Spanhauer	
- 1976 D	NGC5427	14	00.8	-05	47	Sc p	1	21	2588	B12.1	1.40	35E	34N	V14.5*	Ia	Wade	
1951 B	M+02-36-26	14	01.2	+11	37	Sb		54		15.1	1.16	10W	15N	18.2*	Apr *	Zwicky	
- 1981 J	M+07-29-43	14	01.2	+38	46	S			5733	14.2		12W	8S	15.0*	I	Sanduleak	
- * 1909 A	NGC5457	14	01.5	+54	36	Sc	1	12	266	B 8.2	2.43	620W	408N	B13.5	Pec	Wolf (SS UMa)	
- * 1951 H	NGC5457	14	01.5	+54	36	Sc	1	12	266	B 8.2	2.43	350E	45N	17.5*	II:	Humason	
- * 1970 G	NGC5457	14	01.5	+54	36	Sc	1	12	266	B 8.2	2.43	97W	370S	B11.7	II	Oct 1950	
- 1950 F	M+02-36-31	14	02.3	+09	04	Sdm		56		14.9	1.36	11W	1N	16.2*	Feb *	Lovas	
- 1968 J?	Anon1404+53	14	04.1	+53	22	Sa				15.4		2W	12S	16.6:	Feb *	Jankovitch	
- 1988 L	NGC5480	14	04.5	+50	58	Sc	5	46	1879	B12.9	1.26	3E	14N	16.5*	Ib	Perlmutter, Pennypacker	
- 1982 W	NGC5485	14	05.5	+55	14	S0 p	36	1985	B12.4	1.41		19W	63N	B14.5	Ia	Nov22	
- 1955 I	Anon1409+01	14	09.0	+01	23	Sa:			7128	15.8		1E	6S	19.3*	May *	Zwicky	
- 1955 J	Anon1409+00	14	09.2	+00	57	Sa:			7442	15.6		3E	2N	17.9*	May *	Zwicky	
- 1971 F	E446-G33	14	11.0	-32	22	Sb:	9		11254	16.0		44W	6N	17.3*	Mar *	Zwicky	
- 1984 Z?	NGC5548	14	15.7	+25	22	S0a	29	5060	B13.2	1.28		V16.1*	II		Terlevich, Melnick		
1954 O	Anon1417+13	14	17.3	+13	34	Sc				16.8		15E	2S	17.6*	May *	Zwicky	
- 1955 K	M+03-37-10	14	20.0	+15	18	P		2304	14.2	0.98		3W	7S	18.4*	May *	Zwicky	
- 1981 E	NGC5597	14	21.7	-16	32	Sbc	3	29	2624	B12.6	1.31	17W	13S	17.0*	II	Wischnjewsky	
- 1954 W	Anon1426+00	14	26.1	+00	46	Sa:			1540	15.2		15E	5N	19.4*	May *	Zwicky	
- 1988 F	M+02-37-15a	14	26.6	+14	05	SO			5274	14.4		27W	24S	16. *	Ia	Mueller	
- * 1952 G	NGC5668	14	30.9	+04	40	Sd	4	21	1584	B12.2	1.52	19W	25S	17.9*	Apr *	Zwicky	
- * 1954 B	NGC5668	14	30.9	+04	40	Sd	4	21	1584	B12.2	1.52	2W	20S	12.5	I	Wild	
1982 D?	NGC5679B	14	32.6	+05	34	Sb				14.5		18W	0	V18. *	Mar *	Arp, Sulentic	
- 1983 P	NGC5746	14	42.4	+02	10	Sb	77	1801	B11.4	1.90		7E	5S	V13.0*	I	Nunes, Pellegrini et al.	
1954 N	Anon1443+10	14	43.4	+10	23	S:				16.0		2W	6N	18.0*	Jun *	Zwicky	
1952 H	Anon1446+07	14	46.1	+07	02	Sb	3:			15.3		5E	12N	18.9*	Apr *	Zwicky	
1954 M	Anon1447+10	14	47.2	+10	29	S:				17.7		3W	0	17.5*	Jun *	Zwicky	
- 1987 B	NGC5850	15	04.6	+01	44	Sbb	1	24	2445	B11.8	1.63	71W	145S	B15.0	II	Evans	
- * 1950 H	NGC5857	15	05.2	+19	47	Sbb	57	4705	B13.8	1.15		27W	25N	14.5*	May *	Zwicky	
- * 1955 M	NGC5857	15	05.2	+19	47	Sbb								15.0*	I	Faber	
- 1980 P	NGC5854	15	05.3	+02	45	SBO	72	1626	B12.7	1.43				16.3*	II:	Zwicky	
- 1940 C	IC1099	15	05.6	+56	42	Sbc	3	32		15.0	1.15		11W	1S	20.2*	Apr *	Zwicky
1950 I	M+03-39-08	15	06.0	+19	23	Sa				15.6		5W	9S	V18.5*	Jul *	Marcaro	
1975 H	Anon1506+07	15	06.4	+07	08	SBb:				16.5					Dunlap, Jolly		
- 1971 D?	NGC5861	15	06.6	-11	08	Sc	1	54	1851	B12.3	1.48	33E	2N	V15.5*	Feb *		

TABLE II (*continued*).

SN	Galaxy	α (1950.0)	δ ° '	type	GALAXY DATA				SUPERNOVA DATA				discoverer	
					Lc	inc	V _{hel}	mag	log D	offset	mag	type	date	
1964 O	Intergalactic	15 07.5	+55 39		Intergalactic					15.0*		Sep *	Wild	
- 1988 O	Anon1507+07	15 07.7	+07 49	S	13500				2E	7N	15. *	Ia	May	
- 1954 C	NGC5879	15 08.4	+57 12	Sb	3	68	876	B12.1	1.64	14W	11S	14.9: II:	Oct 4:	
- 1963 B	Anon1509+05	15 09.0	+05 26	S		11800				3E	6S	17.0*	I	Jan
- 1988 H	NGC5878	15 11.0	-14 05	Sb	1	61	2111	B12.3	1.54	22W	55N	15.5* II	Feb	
1972 A	Anon1512+27	15 12.6	+27 50	S:		16.5				1E	1N	17.0*	Jan *	
1973 B	Anon1512+02	15 12.7	+02 55			16.5				27W	16S	V15.0* I	Jan:	
- 1963 O	NGC5905	15 14.0	+55 42	SBb	1	37	3200	B12.3	1.62	60W	9S	15.6 I	Aug 10	
- 1940 A	NGC5907	15 14.6	+56 30	Sc	3:	82	535	B11.0	2.09	137E	310S	14.3 II	Feb 22	
1961 E	Anon1515+05	15 15.1	+05 14	Sa		12900				10W	2S	17.0*	Jan *	
1950 J	Anon1515+19	15 15.2	+19 57	Sb:		17.4				5W	3N	20.3*	Apr *	
1962 N	M+05-36-13	15 19.0	+26 31	Sb	5:	15.6				0	3N	17.0*	Dec *	
1950 K	Anon1519+17	15 19.5	+17 37	E:	-	16.9				6W	3N	20.0*	Apr *	
- 1963 H	Anon1519+05	15 19.9	+05 34	E3		4994:				6W	5N	18.5*	Zwicky	
1963 F	M+05-36-18	15 20.3	+28 01	E2		15.2				1W	7S	V17.6*	Mar *	
1962 B	M+05-36-25	15 20.7	+29 57	Sa	37	6907	14.9	0.99		5E	1S	17.0* I	Jan	
1951 E	Anon1522+08	15 22.5	+08 30	Sc:		18.4				7W	2S	20.0*	May *	
1971 E	Anon1523+26	15 23.1	+26 33	S		16.5				9E	8S	17.5*	Zwicky	
1963 A	M+05-36-32	15 24.9	+26 37	Sc:		10400				10W	1N	18.1*	Kowal	
1967 I	Anon1526+28	15 26.0	+28 49	Sa		16.5				3W	6N	18.5*	Zwicky	
1962 G	M+05-36-34	15 26.0	+29 11	Sa:		16.5				4E	4S	19.0*	Zwicky	
- 1988 P	Anon1530+01	15 30.0	+01 48	Sa:		15.9				4E	4N	18.5* I:	Jun *	
1950 L	Anon1540+22	15 40.0	+22 07	Sa:		15.9				7W	8S	19.9*	Pollas	
1969 I	Anon1555+19	15 55.6	+19 37	S:		18.				0	9N	17.0*	Kowal	
1958 A	M+03-41-27	15 58.6	+19 52	Sa:		17.5				1W	5S	19.0*	Zwicky	
1968 K	Anon1600+17	16 00.8	+17 19	S:		18.				8E	0	17.5*	Kowal	
1962 C	M+03-41-85	16 02.8	+17 43	S		18.5				12E	6N	18.0*	Zwicky	
1964 C	Anon1603+17	16 03.8	+17 35	Sb		16.5				7W	5S	17.3* I	Feb	
1967 G	Anon1603+18	16 03.9	+18 28	S:		18.				1E	5N	19. *	Zwicky	
- 1963 Q	IC1195	16 04.4	+17 19	Sb	1	42	12121	15.4	0.76	8W	3N	17.0*	Reaves	
1965 F	Anon1608+19	16 08.4	+19 11	Sc		16.6				11W	2N	18.0*	Zwicky	
1961 J	M+05-38-27	16 09.8	+29 42	Sa		19.5				1W	1S	16.0* III	Kearns	
1953 B	M+07-34-01	16 19.2	+40 14	SBab		65	10143	15.2	1.21	20E	6S	17.5*	Zwicky	
1964 I	Anon1621+41	16 21.4	+41 20	SB	7	18.0				17E	18N	18.0*	Kowal	
- 1964 G	Anon1621+39	16 21.9	+39 20	S		8365				3E	11N	16.0*	Jun *	
1968 T	M+07-34-35	16 25.3	+41 22	Sc	6:	00	8580	15.2	1.12	2E	14S	V18.0*	Zwicky	
1966 C	Anon1627+41	16 27.5	+41 06	Sa		10334				12E	4N	16.8*	Rudnicki	
- * 1926 B	NGC6181	16 30.1	+19 56	Sc	1	60	2158	B12.5	1.41	0	48N	14.8*	Van Maanen	
- * 1951 I?	NGC6181	16 30.1	+19 56	Sc	1	60	2158	B12.5	1.41			15.7*	Deutsch	
- 1988 Q	Anon1631+34	16 31.5	+34 55			6600				1E	5S	18. * II	Pollas	
1975 K	NGC6195	16 34.8	+39 08	Sb		45	9000	14.7	1.25	3E	8N	V17.8*	Kowal	
- 1983 T	M+06-36-55	16 35.1	+36 31	SBa		15.0				7E	5S	B16.0 I	Sep 20	
1976 M?	Anon1644+58	16 44.0	+58 24			5107				7W	0	17.0*	Lovas	
1976 C?	IC1231	16 46.1	+58 32	Sb:		13.7				35E	35S	14.5*	Paparo	
1971 M	Anon1658+66	16 58.6	+66 16	S:		17.0				13E	6S	19.0*	Kirshner	
1972 G	Anon1719+65	17 19.8	+65 58	E:	-	18.5				7W	6N	18.0*	Kowal	
1935 A	IC4652	17 22.0	-59 41	Sbc		4182						15.0*	Boyd, Huruhata	
- 1971 L	NGC6384	17 30.0	+07 06	Sbc	1	45	1751	B11.3	1.78	27E	20N	B13.2 Ia	Jun 30	
1974 I	Anon1730+43	17 30.0	+43 25	SBb	3	15.6				11W	23N	V18.0*	Logan	
1977 H?	M+05-42-11	17 52.1	+30 42	I		15.6				27E	0	19.0*	Mnatsakanian	
1953 C	M+08-33-45	18 27.4	+48 13	Sc	63	4925	14.9	1.14		15W	35N	19.0*	Karachentsev, Kopylov	
1934 A	IC4719	18 29.0	-56 46	I		B14.6				6E	13S	13.6:	Chai	
1983 F?	Anon1837-67	18 37.2	-67 05	S		0				0	0	18.0*	Boyd	
- 1971 R	IC4798	18 53.6	-62 10	Sa		4182				12SE		13. *	Gonzales	
- 1984 O	IC4839	19 11.6	-54 43	SBb	56	2700	B14.7	1.48		22E	82S	15.0* I	Fairall	
- 1962 J	NGC6835	19 51.8	-12 41	I0	-	1557	B13.4	1.43		42W	23S	13.7 Ia	Wischnjewsky	
- 1984 K	NGC6850	19 59.6	-54 59	SB0:		4950	B14.1			3E	35N	16.0*	Bertaud	
1982 K?	Anon2007-55	20 07.2	-55 46			15.6				9W	9S	18.5*	Metlova	
1955 G	Anon2007-44	20 07.2	-44 05			4E				4E	4S	14.5*	Wischnjewsky	
- 1987 I	IC4963	20 08.2	-55 24	S0a		5100:				2E	2N	16. * I	Hoffmeister	
1981 H?	Anon2016-23	20 16.0	-23 49			1E					8N	18.5*	Gonzales	
- 1984 V?	NGC6907	20 22.1	-24 58	SBbc	2:	29	3155	B12.0	1.53	50W	20S	15.0*	Gonzales	
1982 I?	E285-G10	20 22.3	-46 19	S		10E				10E	10N	18.5*	Wischnjewsky	
- * 1917 A	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	215W	24N	13.4* I:	Jun:	
- * 1939 C	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	222E	60N	14.0: II	Zwicky	
- * 1948 B	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	45E	20N	13.5* II	Mayall	
- * 1968 D	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	5W	180S	13.9*	Wild, Dunlap	
- * 1969 P	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	280E	165S	B11.6 II	Rosino	
- * 1980 K	NGC6946	20 33.8	+59 59	Scd	1	27	46	B 9.6	2.04	16E	18N	17.0*	Wild	
1982 N?	Anon2111-66	21 11.0	-66 08			16.5						Aug *	Pizarro, Schild	
- 1983 L	NGC7038	21 11.8	-47 25	Sbc	3	51	4802	B12.4	1.48	26E	24S	B14.5: I	Wischnjewsky	
- 1983 Y?	NGC7083	21 31.8	-64 07	Sbc	3	50	3049	B11.8	1.65	57E	10S	18.0*	Hawkins	
- 1978 I	Anon2138-43	21 38.3	-43 25	E:		B22.2				1W	0	B21.4*	Jankovitch	
1968 S?	Anon2142+02	21 42.3	+02 51	S	6:	16.5				2E	2S	16.5*	Gautschy	
- 1985 N	Anon2150-55	21 50.1	-55 38			14E				14E	0	18. *	Singer	

TABLE II (*continued*).

SN	Galaxy	α (1950.0) δ				type	GALAXY DATA				SUPERNOVA DATA				discoverer		
		<i>h</i>	<i>m</i>	$^\circ$,		Lc	inc	V _{hel}	mag	log D	offset	mag	type	date		
- 1951 A	Anon2152-04	21	52.7	-04	32	SBb		17098:	15.6			8E	8S	16.6*	Aug *	Chai	
- 1985 Q?	MRK516	21	53.9	+07	08			8922	15.4			0	4S	15. *	I	Oct	
- * 1960 L	NGC7177	21	58.3	+17	30	Sab	3	46	1105	B12.0	1.52	6E	54S	16.0*	Aug *	Humason	
- * 1976 E	NGC7177	21	58.3	+17	30	Sab	3	46	1105	B12.0	1.52	7W	13S	V16.5*	Sep *	Dunlap	
- 1984 N	NGC7184	21	59.9	-21	03	SBc	4	72	2747	B12.1	1.76	69E	54N	V14. *	Pec	Evans	
- 1985 M	Anon2205-48	22	05.3	-48	45							1W	8S		Jun *	Leibundgut, Albert	
- 1953 I	M+01-56-15	22	05.7	+04	27	S p	7:	44	4057		14.7	1.16	1W	9N	18.5*	Aug *	Kowal
- 1987 J	ESO 601-26	22	07.6	-19	07	Sc						18W	2S	V17.2*	II	Jun	
- 1937 B	M-04-52-18	22	07.8	-22	54	Sbc		17	9337		14.8	1.28	29E	31S	15.3*	Aug *	Zwicky
- 1978 G	IC5201	22	18.3	-46	19	SBcd	3	60	2112	B11.3	1.93	96W	42N	V12.9*	II	Blades, Griffiths, Ward	
- 1970 H	UGC12005	22	20.2	+35	46	SB	7				16.5		13W	15N	17. *	Aug *	Priser
- 1964 H	NGC7292	22	26.1	+30	03	Im	7	-	934	B12.8	1.33	28W	9S	14.8*	II	Gates	
- 1978 E	M+06-49-36	22	32.8	+36	57						15.3		7E	7N	B15.4	Ia	Wild
- 1971 P	NGC7319	22	33.8	+33	43	SBbc p	39	6657	B14.0	1.24		27E	18S	16.8*	Aug *	Rosino	
- 1954 T	Anon2234+03	22	34.7	+03	28	S	7:		12883		16.5		7E	7S	19.0*	Jul *	Zwicky
- 1959 D	NGC7331	22	34.8	+34	10	Sbc	2	68	794	B10.4	2.03	32W	13N	B13.9	II	Humason	
- 1973 O?	NGC7337	22	35.1	+34	07	SBb		39	6900		15.7	1.12	26W	28S	V19.0*	Sep *	Kormendy
- 1974 J	NGC7343	22	36.3	+33	48	SBbc:	2	34	6500:	B14.3	1.09	10E	17S	B16.0	Ia	Oct14	
- 1960 K	M+06-49-68	22	37.4	+34	07	S	7	00	7386		15.2	0.87	10W	6S	19.0*	Jun *	Humason
- 1963 Z?	NGC7418	22	53.8	-37	18	Sed	3	34	1510	B12.0	1.52	11W	52S	15.5*	Sep *	Gonzales	
- 1983 M?	NGC7418A	22	53.9	-37	02	Sc:			2050				84E	40N	16.0*	Jun *	Wischnjewsky, Gonzales
- 1982 H?	Anon2256-40	22	56.2	-40	53							7E	5N	18.0*	May *	Gonzales	
- 1980 L	NGC7448	22	57.6	+15	43	Sbc	3	61	2199	B12.2	1.43	27W	4N	13.5*	Oct *	Inasaridse	
- 1978 D	Anon2303-44	23	03.8	-44	43			21000				11E	6S	V20.0*	I	Sep:	
- 1973 N	NGC7495	23	06.5	+11	48	Sc	5:	24	4892		14.7	1.33	14W	7S	15.5:	Ia	Sep:
- 1986 M	NGC7499	23	07.8	+07	19	S0		53	11756	B14.8	1.16	15E	33N	16.5*	Ib:	Candeo	
- 1980 J	Anon2309-42	23	09.6	-42	06	Sc:			13339			3W	5S	16.5*	May *	Gonzales, Masa	
- 1964 K	M+01-59-19	23	12.2	+07	26	Sc:	7:	60	4648		15.7	0.93	1W	8S	18.0*	Nov *	Kowal
- 1972 I	Anon2312+14	23	12.7	+14	42	S:			12194		16.0		7W	9N	17.5*	Jul *	Kowal
- 1972 M	NGC7564	23	13.1	+07	01	S			10241		15.6		3E	6S	18.0*	Oct *	Kowal
- 1970 I	Anon2315+05	23	15.1	+05	44	Sbc						12W	5S	18.0*	Sep *	Kowal	
- * 1965 M	NGC7606	23	16.5	-08	46	Sb	1	63	2341	B11.6	1.76	30W	50N	16.0*	Oct *	Wild	
- * 1987 N	NGC7606	23	16.5	-08	46	Sb	1	63	2341	B11.6	1.76	17W	29N	V13.4*	Ia	Dec	
- 1975 I	Anon2316+14	23	16.5	+14	45	S:					18.		1W	10S	V18. *	Jun *	Kowal
- 1973 T	Anon2316+13	23	16.8	+13	38	Sb			15708		15.7		4W	3N	V18.0*	Dec *	Kowal
- 1973 M	NGC7609	23	17.0	+09	13	P		-	11750		15.3	1.19	10E	2N	V19.0*	Jun *	Kowal
- 1970 J	NGC7619	23	17.7	+07	55	E2		-	3757	B12.1	1.46	27W	30S	B14.4	Ia	Oct 6	
- 1968 M	Anon2318+14	23	18.5	+14	57	Sb:	7:				18.		5W	7S	15.4	Jul31	Kowal
- 1972 J	NGC7634	23	19.1	+08	36	SB0		41	3150	B13.4	1.17	5W	30S	B14.3	I	Aug20	
- 1974 H	Anon2322+13	23	22.0	+13	42	S0			13140		16.0		24E	9S	V17.5*	Jul *	Kowal
- 1973 Q	Anon2322+06	23	22.7	+06	04	I:		-			19.0		3W	5N	V18.5*	Sep *	Kowal
- 1973 L	Anon2325+14	23	25.2	+14	16	Sb:			9278		15.7		5W	6S	V18.5*	Jun *	Kowal
- 1971 O?	M+03-59-59	23	25.9	+18	11	Sc:					16.5		7E	2S	16.8*	Aug *	Kormendy
- 1953 E	M+05-55-36	23	31.2	+29	46	SBd	6:	39	4904		15.1	1.14	11E	16S	19.5*	Dec *	Zwicky
- 1977 G?	NGC7704	23	32.6	+04	38	E:		-			14.8		17W	0	15.5*	Aug *	
- 1982 L	NGC7713	23	33.8	-38	13	Sc	4	62	672	B11.7	1.63	28E	32N	16.0*	II:	Jul	
- 1960 O	M+05-55-40	23	33.9	+27	39	Sc:					16.5		1W	10N	18.5*	Nov *	Humason
- 1968 P	Anon2335+26	23	35.1	+26	32	Sa:					16.5		5E	3S	V16.8*	Jul *	Zwicky
- 1953 F	M+05-55-42	23	35.4	+31	43	Sb:		00	4976		14.1	0.88	1E	10N	19.0*	Dec *	Zwicky
- 1961 N	IC5342	23	36.2	+26	44	E0		-	9221		15.4	0.57	1E	7S	16.8*	Sep *	Humason
- 1975 N	NGC7723	23	36.4	-13	14	SBb	2	44	1860	B11.9	1.56	30W	25N	B13.7	Ia	Nov 4	
- 1988 V	Anon2336+26	23	36.7	+26	58	S0a:			9600:				7N	1E	V17.2*	Ia	Oct
- 1969 K	M+04-55-43	23	38.2	+26	33	E2		-	11840		15.1	1.04	13E	19S	17.5*	Nov *	Kowal
- 1973 S?	Anon2342+25	23	42.3	+25	27	E:		-			16.0		8E	3N	V18.5*	Dec *	Kowal
- 1988 S	M+01-60-40	23	48.4	+08	24				12900:				3W	19S	19. *	II	Pollas
- 1968 Z?	NGC7768	23	48.4	+26	53	E2		-	7955		14.0	1.22	24W	61N	17.9*	Sep *	Priser
- 1954 U	Anon2356-05	23	56.3	-05	53	I:		-			18.7		6W	6N	17.8*	Sep *	Zwicky
- 1951 F	M-01-01-16	23	57.5	-06	39	Sc:	7:		6493		15.4		18E	9S	17.3*	Aug *	Zwicky

TABLE III. — *Distribution of classified SNe according to the morphological type of their parent galaxy.*

	<i>E</i>	<i>S0</i>	<i>S0a</i>	<i>Sa</i>	<i>Sab</i>	<i>Sb</i>	<i>Sbc</i>	<i>Sc</i>	<i>Scd</i>	<i>Sd</i>	<i>Sdm</i>	<i>Sm</i>	<i>S</i>	<i>I0</i>	<i>Im</i>	<i>I</i>	<i>P</i>	<i>nc</i>	Total
I, I:Ipec	13	11	1	6	2	11	6	12	3	1	2	—	8	4	—	—	—	7	87
Ia, Ia:	2	6	1	2	1	4	11	11	3	3	—	1	3	4	—	—	—	8	60
Ib, Ib:	—	2	—	—	—	1	1	9	—	—	—	1	—	—	1	—	—	—	15
all I	15	19	2	8	3	16	18	32	6	4	2	2	11	8	1	—	—	15	162
II, II:	—	—	1	4	3	10	7	36	15	2	—	1	3	—	1	1	—	4	88
IIpec, IIb	—	—	—	—	—	1	—	2	—	—	—	—	—	—	—	—	—	2	5
all II	—	—	1	4	3	11	7	38	15	2	—	1	3	—	1	1	—	6	93
Others	—	—	—	1	1	1	—	6	1	—	—	—	—	—	—	1	—	1	12
<i>nc</i>	29	17	1	30	10	61	30	76	4	2	2	2	62	1	1	22	2	42	394
Total	44	36	4	43	17	89	55	152	26	8	4	5	76	9	3	24	2	64	661

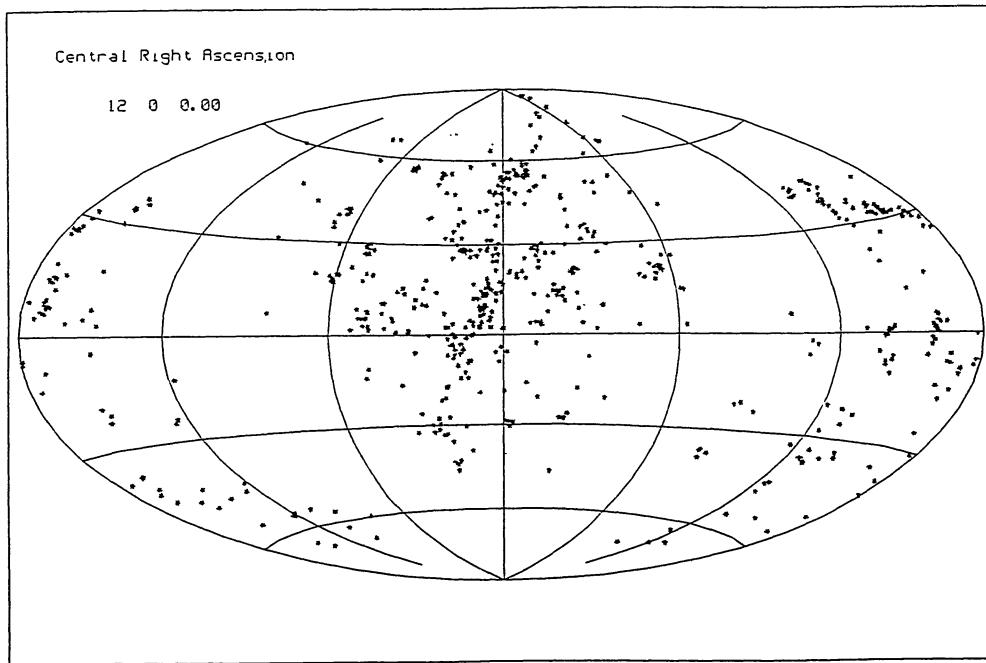


FIGURE 1. — Sky Distribution in Right Ascension and Declination of the 661 SNe of the Catalogue. North Pole is at the top and R.A. increases toward the left.

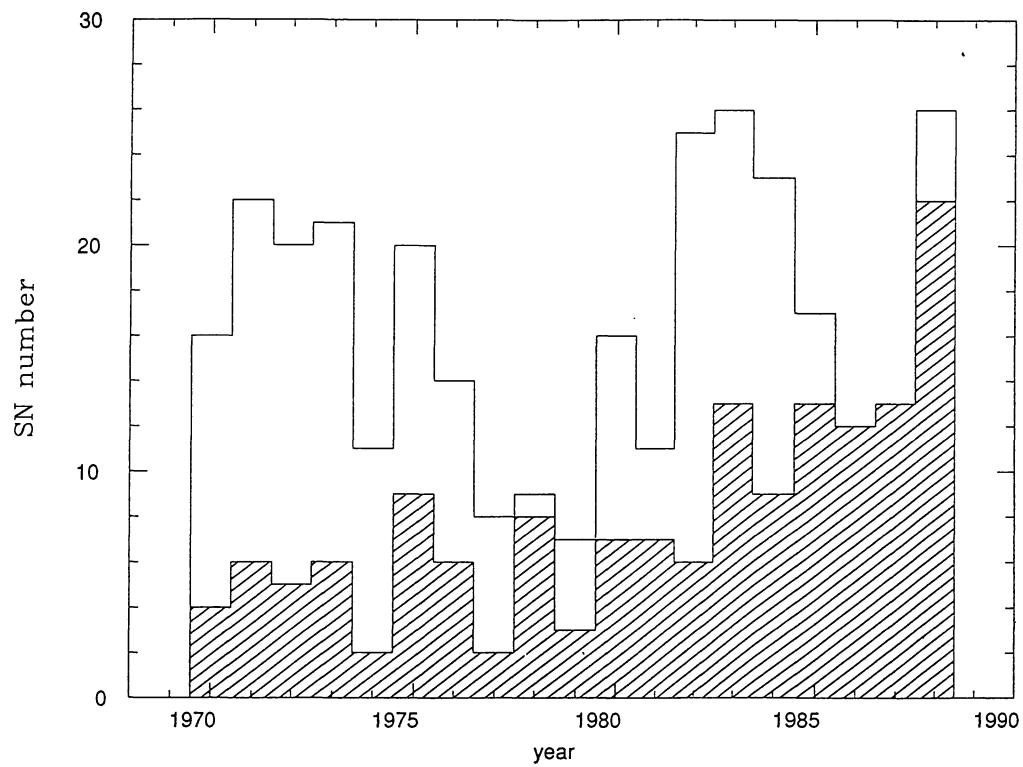


FIGURE 2. — Productivity of the worldwide SN search since 1970. The dashed area represents the number of classified objects.