

The Second Kiso Survey for Ultraviolet-Excess Galaxies. III

Nagako MIYAUCHI-ISOBE and Hideo MAEHARA

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Abstract

The catalogue list and the identification chart of ultraviolet (UV)-excess galaxies which have been detected on two-color Kiso Schmidt plates are presented for 10 Schmidt fields. Catalogued are 710 objects, down to the photographic magnitude ~ 17.5 in the sky area of some 300 square degrees. The total number of KUGs newly detected in the second survey reaches 1,642.

Key words: Ultraviolet-excess galaxies, Survey with Schmidt telescope.

1. Introduction

We have been continuing the second survey of ultraviolet (UV)-excess galaxies with the Kiso 105-cm Schmidt telescope. This is a continuation and an extension of the original survey for Kiso UV-excess galaxies (KUGs) carried out by Takase and Miyauchi-Isobe (1984-1993a). Its comprehensive catalogue was published by Takase and Miyauchi-Isobe (1993b), where 8104 KUGs were included in the covered sky area of some 5,100 square degrees. (The data of the area A0432 must be replaced to Miyauchi-Isobe et al. 1997.) A variety of faint UV-excess galaxies were catalogued down to $V \sim 17$ mag in the first series of the survey.

In the course of follow-up observations of KUGs (e.g., Maehara et al. 1987, Comte et al. 1994, Tomita et al. 1997), it is clarified that the majority of them are spiral or irregular galaxies with intense star formation in their nuclei, bars, disks, or outer regions. These samples give us clues to the understanding of triggering mechanism of star formation, and of the evolution of some types of galaxies. In addition, Seyferts, LINERs, and active galaxies with some peculiarities are minor constituents of the catalogue. Thus it is a fainter extension of the catalogue of Markarian galaxies (MKG). In these circumstances, it is worth continuing and supplementing the first KUG survey, and we have started the second survey

(Miyauchi-Isobe and Maehara 1998, 2000).

The method of the second survey is, in principle, the same as that of the first one; U (ultraviolet) and R (red) double exposure 103a-E plates are used for the detection of KUGs. Exposure times being so set that the U and R images of early A-type stars are equally bright, the object whose U image is brighter than the R image is regarded to be bluer than early A-type stars. Typically, a field has several to ten those stars for the comparison. We pick up those galaxies as Kiso UV-excess galaxies (abbreviated as KUGs) with the visual inspection of the plate, and list their parameters in this paper. In some cases, a highly blue portion (e.g., knot, clump, shell, or ring) exists on or contacting the less blue main galaxy body. In this circumstance, the degree of UV-excess of a galaxy is estimated on the comparison of the integrated U and R brightness of the whole galaxy image on the plate, and the redder galaxy is discarded from the list.

The position, the brightness, and the morphological type of a KUG are estimated by referring to the object identified in the Palomar Sky Survey Print (PSS). Its degree of UV-excess is also confirmed by the comparison of the B (103aO) and R (103aE) print of the PSS. In this paper, catalogued are KUGs in the 10 fields, which have never been treated in the previous KUG surveys. As a result, 710 KUGs are detected in the sky area of some 300 square degrees. The data on the sky area,

Table III-1. The Data of Plates.

Area No.	Plate No.	Observation Date	Plate Center			No. of KUGs	
			R.A. (1950.0)	Dec.	l		b
			h	m	°	°	°
A0172	KL6961	1997 Mar. 7	7 28	+55	163	28	27
A0222	KL6949	1997 Mar. 4	7 36	+50	168	28	67
A0225	KL6954	1997 Mar. 5	8 48	+50	169	39	79
A0226	KL6955	1997 Mar. 5	9 12	+50	169	43	122(18)*
A0228	KL6950	1997 Mar. 4	10 00	+50	166	51	89
A0355	KL6963	1997 Mar. 8	12 48	+40	124	77	60
A0483	KL6962	1997 Mar. 7	9 20	+30	197	44	12
A0561	KL6956	1997 Mar. 6	11 20	+25	215	70	173(22)*
A0638	KL6957	1997 Mar. 6	13 00	+20	-38	82	51
A1065	KL6951	1997 Mar. 5	11 20	-10	270	47	30
							Total 710(40)*

* Parenthesized is the number of duplicated objects which are doubly listed in the present survey.

photographic plate, and the number of detected objects in this work are listed in table III-1.

2. Survey Catalogue

The list of detected objects and their identification charts are respectively given in table III-2 and figure III-1.

The evaluation procedures of detected objects, which are presented in table III-2, are the same as those of the first survey.

Column 1: The running number according to the right ascension.

Column 2: The KUG-name composed of the values of right ascension and declination.

Column 3 and 4: The right ascension and declination for the epoch 1950.0.

Column 5: The morphological type adopted in this work is different from the traditional morphological classification, because there exist conspicuous blue (UV-excess) portions on these KUGs. Thus we adopt another classification scheme, which pays attention to the blue structures on the galaxy images (Takase et al. 1983); it consists of seven types as follows;

- Ic : Irregular with blue clumps
- Ig : Irregular with a giant clump
- Pi : Pair of interacting components
- Pd : Pair of detached components
- Sk : Spiral with blue knots on the disk
- Sp : Spiral with blue bar and/or nucleus
- C : Compact.

The type is assigned through visual inspections of both Kiso plates and blue and red PSS prints. A colon (:) is attached to the type, when the type is not certainly assigned, and a question mark (?) means unclassifiable.

Column 6: The image size (along the major and the minor axis) in minutes of arc on the blue PSS print.

Column 7: The apparent (blue) magnitude, which is eye-estimated on the PSS blue print referring to the known magnitude of the catalogued objects. It is usually calibrated using Zwicky catalogues, and extended towards fainter objects.

Column 8: The degree of UV-excess estimated from Kiso plates. H, M, and L denote high, medium, and low degree, respectively. Further explanation on the UV-excess is referred to Takase et al. (1983).

Column 9: The names given in previous catalogues. The abbreviated notations used in this paper have the following correspondence to those adopted in MOL (abbreviation of the catalogue list compiled by Dixon and Sonneborn 1980).

A: ARP, H: HARO, I: IC, M: MCG, MK: MKG, N: RNGC, U: UGC, V: VV, Z: ZWG, nZ: nZE (n=1,2,...,8), K: KUG (the previous KUG survey), and KE: KUG errata (Miyauchi-Isobe et al. 1997).

Table III-2. List of KUGs (including notes)

Figure III-1. Finding Charts

According to the identification with the other catalogues, many objects have been listed before. Especially, a number of KUGs appear in the Zwicky catalogues, and bright KUGs are identified as Markarian galaxies. There are morphologically peculiar KUGs, which appear in the MCG catalogue. This sur-

vey picks up 48 objects listed in the first KUG catalogue in the adjacent sky areas to those of the first survey.

3. Discussion

The UV-excess is one of the major methods to detect active galaxies with conventional ground-based telescope. A number of Schmidt surveys have been carried out in the similar methods to us whose representative is the comprehensive work by Markarian et al. (1989). Even recently, a number of investigators have carried out new deep surveys for those objects applying the modern digitization machines and techniques treating large Schmidt plates; the Montreal survey (Coziol et al. 1993, 1994), the Madrid survey (Zamorano et al. 1994, Gallego et al. 1995), the Hamburg survey (Hopp et al. 1995, Popescu et al. 1996), and the Marseille survey (Surace and Comte 1998). According to them, major constituents of their surveys are galaxies with intense star formation (starburst) activity and/or non-thermal Seyfert-like nuclear phenomena.

The main area of the KUG survey is spread along $l = 180^\circ$ from the north galactic pole toward the south. The isolated areas are those of specially selected ones relating to voids, clusters, or fields, which were studied in the previous papers. In this circumstance, the sky areas treated in the second survey are remaining fields with plates of good quality.

The image quality and the limiting magnitude of Kiso Schmidt plates are generally less homogeneous due to the average observation condition of the site. Thus we select the plates of good quality, and apply the visual (non-automatic) inspection method in order to cancel the inhomogeneity originated from the standardized inspection technique. Furthermore, we scrutinize detected objects by referring PSS prints, preventing the degradation of our survey. Our detection method may miss UV-excess objects with smooth light distribution of uncertain morphological types. Therefore, we try to pick up carefully such objects according to the total color as well.

During our scrutinizing individual objects to estimate the brightness, morphological type, and degree of UV-excess, we pick up some KUGs, which exhibit other kinds of peculiar morphologies. Their peculiarities are noticed in the supplements to table III-2 "notes on individual galaxies," e.g., diffuse, dense, featureless, S-, V-, or butterfly-shaped objects. Although they belong to irregular galaxies, some of them are possibly more enhanced objects of the interacting galaxies of Pi or Pd type. It is discussed elsewhere that the interaction between component galaxies is an important triggering mechanism of starburst.

KUGs tend to be situated in pairs, groups and/or clusters of galaxies, rather than isolated galaxies of the same morphological type (e.g., Takase 1980). Actually, we detected a conspicuous concentration of KUGs in the second survey (Miyauchi-Isobe and Maehara 1998), though we do not notice any dense KUG concentrations in this work. In the first KUG catalogue, Takeuchi et al. (1999) discovered four KUG-rich regions with sizes of $10' \times 10'$, and studied KUGs in detail in the prominent filaments of Lynx-Ursa Major region. In general, there is a tendency that the star formation is activated simultaneously in the neighborhood, though it is not fully clarified whether it is due to the effect of the interaction.

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Table III-2a. List of KUGs (A0172).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0709+551	7 9 58.3	55 7 51	Sp:	0.4 X 0.3	15.3	L	Z261.034,M+9-12-43
2	0711+569	7 11 51.1	56 54 23	Sp	0.6 X 0.6	14.3	L	U3765,Z261.041,M+9-12-46
3	0712+557	7 12 4.7	55 42 2	C	0.2 X 0.2	15.0:	L	
4	0712+554	7 12 22.7	55 28 49	Sp:	0.3 X 0.2	15.5:	L	
5	0718+565	7 18 4.9	56 35 30	Sp:	0.4 X 0.3	15.0	L	Z261.060
6	0719+557	7 19 2.7	55 43 25	Sp:	0.8 X 0.1	15.5:	L	
7	0723+530	7 23 17.8	53 3 0	Pi:	0.7 X 0.4	14.8	L	Z262.001 (=Z261.067)
8	0723+570	7 23 38.9	57 5 15	Sp:	0.3 X 0.2	15.6	L	Z286.019
9	0724+525	7 24 13.4	52 34 27	Sp	0.6 X 0.3	15.0	L	Z262.003 (=Z261.069)
10	0727+553	7 27 6.5	55 21 37	Sp:	0.4 X 0.2	15.2:	M	
11	0728+553	7 28 29.6	55 18 13	C	0.3 X 0.2	15.5:	M	
12	0730+549	7 30 41.8	54 56 8	Sp	0.7 X 0.3	15.2	L	Z262.009
13	0730+560	7 30 44.4	56 4 16	Sp	0.7 X 0.4	15.1	L	Z262.010
14	0731+561	7 31 30.5	56 9 28	Sp	0.5 X 0.4	15.4	M	Z262.011
15	0733+552	7 33 22.1	55 17 31	Sp:	0.3 X 0.2	16.0:	L	
16	0734+548	7 34 39.6	54 48 12	?	0.3 X 0.3	15.5:	M	
17	0735+556	7 35 25.4	55 39 53	Pi	0.4 X 0.4	15.2	L	Z262.015
18	0736+555	7 36 56.2	55 32 37	Sp:	0.6 X 0.6	14.2	L	U3957,Z262.019
19	0739+551	7 39 13.5	55 6 4	Sp:	0.6 X 0.4	15.0	M	Z262.021
20	0739+524	7 39 26.4	52 26 16	Sp:	0.7 X 0.7	14.4	L	U3977,N2426,Z262.022,M+9-13-38
21	0739+571	7 39 46.5	57 6 23	Sp:	1.3 X 0.7	14.3	L	MK81,Z286.054,M+10-11-130
22	0741+531	7 41 19.3	53 11 46	Sp	0.9 X 0.7	14.3	L	U3999,N2431,Z262.024
23	0744+547	7 44 41.4	54 44 11	Sk:	1.6 X 0.9	13.9	L	U4027,N2446,Z262.030
24	0745+560	7 45 56.5	56 3 2	Sp	0.6 X 0.2	15.4	L	Z262.033,M+9-13-66
25	0746+554	7 46 7.7	55 29 55	Sp:	0.8 X 0.7	14.1	L	U4035,Z262.034,M+9-13-68
26	0746+555	7 46 15.8	55 31 24	Sp	0.8 X 0.3	14.9	L	Z262.035,M+9-13-69
27	0747+570	7 47 13.6	57 2 15	Sp	0.8 X 0.6	14.6	L	U4049,Z286.072,M+10-11-153

Notes on individual galaxies given in Table III-2a (A0172)

0723+530 : Several bright knots embedded in the nebulosity.

0731+561 : Square.

0734+548 : Shell-like extension.

0747+570 : Faint blue filaments in the south.

Table III-2b. List of KUGs (A0222).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0719+476	7 19 37.7	47 37 49	C:	0.3 X 0.2	17.0:	L	
2	0721+495	7 21 13.0	49 35 28	Sk	1.1 X 1.0	13.6	L	U3831,Z235.011,M+8-14-14
3	0722+490	7 22 26.2	49 3 20	Sp:	0.6 X 0.2	15.1	L	Z235.014,M+8-14-15
4	0723+522	7 23 0.3	52 14 52	Sp:	0.2 X 0.2	16.8:	L	
5	0723+488	7 23 6.3	48 48 8	Ig:	0.6 X 0.2	15.2	L	Z235.016
6	0723+522	7 23 27.3	52 15 15	Sp	0.4 X 0.3	17.0:	L	
7	0723+483	7 23 30.6	48 23 45	Sp:	0.8 X 0.3	15.5	L	Z235.017,M+8-14-17
8	0725+492	7 25 8.5	49 14 24	Sk:	1.5 X 0.6	13.9	L	U3863,Z235.018
9	0727+475	7 27 27.5	47 30 44	Sp:	0.3 X 0.2	16.5:	L	
10	0727+524	7 27 37.1	52 25 46	Sp:	0.2 X 0.2	16.7:	M	
11	0730+502	7 30 5.8	50 15 2	Sp:	0.3 X 0.2	16.0:	L	
12	0731+514	7 31 22.6	51 24 19	Sk	0.4 X 0.3	16.7:	L	
13	0732+518	7 32 2.3	51 51 32	Sp	0.6 X 0.4	15.1	L	Z262.013
14	0734+497	7 34 17.1	49 43 24	Ig:	0.3 X 0.2	15.7:	M	
15	0735+482	7 35 22.4	48 14 37	?	0.3 X 0.3	16.0:	L	
16	0735+520	7 35 40.0	52 0 10	C	0.2 X 0.2	16.5:	L	
17	0735+494	7 35 50.1	49 28 16	Sp:	0.5 X 0.4	14.9	L	Z235.023,M+8-14-30
18	0736+527	7 36 12.7	52 46 9	Sk:	0.4 X 0.3	15.3	L	Z262.018
10	0736+514	7 36 33.1	51 26 42	C:	0.2 X 0.1	17.5:	L	
20	0736+525	7 36 36.5	52 31 18	Sk:	0.4 X 0.2	17.0:	L	

Table III-2b. List of KUGs (A0222-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
21	0737+495	7 37 24.6	49 30 46	Sk	0.6 X 0.4	15.4	L	Z235.027
22	0737+496	7 37 29.5	49 38 52	Sp:	0.3 X 0.2	16.5:	L	
23	0738+511	7 38 18.9	51 10 34	Sp:	0.4 X 0.3	16.5:	L	
24	0738+499	7 38 47.4	49 55 41	Sp	1.6 X 1.3	13.3	L	U3973,MK79,Z235.030,M+8-14-33
25	0738+493	7 38 48.3	49 18 35	Sp:	0.8 X 0.4	14.7	M	Z235.029,M+8-14-34
26	0738+489A	7 38 55.2	48 58 42	Sp:	0.4 X 0.2	16.5:	L	
27	0738+489B	7 38 58.6	48 56 39	C:	0.2 X 0.2	17.5:	L	
28	0739+521	7 39 4.8	52 6 31	Sp	0.7 X 0.4	15.5:	L	
29	0739+504	7 39 18.1	50 24 29	Sp:	0.6 X 0.2	15.6	M	Z235.031
30	0739+523	7 39 29.7	52 19 54	Sp:	0.3 X 0.2	17.0:	L	
31	0740+482	7 40 4.3	48 15 24	?	0.2 X 0.2	16.5:	L	
32	0741+495	7 41 13.5	49 32 51	Sp:	0.6 X 0.1	16.5:	L	
33	0741+518	7 41 53.8	51 48 3	Sp:	0.3 X 0.2	16.5:	L	
34	0741+472	7 41 58.4	47 15 46	Sp:	0.7 X 0.2	15.7:	L	
35	0742+519	7 42 0.9	51 54 52	Sp	0.8 X 0.3	15.7	L	Z262.025,M+9-13-47
36	0742+506	7 42 17.5	50 40 6	C	0.3 X 0.3	16.5:	M	
37	0742+484	7 42 40.5	48 25 9	Sp:	0.3 X 0.2	14.6	L	U4007,Z235.040,M+8-14-42
38	0743+523	7 43 10.6	52 21 3	Sp:	1.0 X 0.2	16.0:	L	U4011,M+9-13-53
39	0743+515	7 43 11.4	51 33 30	Sk:	0.8 X 0.2	15.5	M	Z262.027
40	0743+518	7 43 12.2	51 50 34	C	0.2 X 0.2	17.0:	L	
41	0743+504	7 43 24.5	50 28 57	Sp:	0.3 X 0.2	16.0:	L	
42	0743+513	7 43 43.4	51 18 57	Sk:	0.8 X 0.3	14.8	M	Z262.028,M+9-13-56
43	0743+479	7 43 47.2	47 59 23	Sk	0.4 X 0.4	15.7	L	Z235.043,M+8-14-45
44	0743+480	7 43 54.2	48 0 53	C	0.2 X 0.2	16.5:	L	
45	0744+483	7 44 3.5	48 20 51	Sk	1.1 X 0.3	15.5	L	U4022,Z235.044,M+8-14-46
46	0744+502	7 44 23.2	50 14 1	?	0.4 X 0.4	17.0:	L	
47	0744+479A	7 44 32.8	47 54 33	Sp:	0.3 X 0.3	15.5:	M	
48	0744+479B	7 44 37.3	47 55 22	Sp:	0.3 X 0.2	16.8:	M	
49	0744+500	7 44 50.9	50 1 3	Sp:	0.3 X 0.2	16.3:	L	
50	0744+496	7 44 51.6	49 40 27	Sp	0.6 X 0.3	15.6	M	Z236.001=Z235.045,M+8-14-49
51	0745+498	7 45 1.9	49 50 35	Sp:	0.3 X 0.2	17.5:	L	
52	0745+502	7 45 22.9	50 12 12	C	0.2 X 0.2	16.5:	L	
53	0746+501	7 46 23.6	50 10 21	Sk	0.6 X 0.4	15.0	L	Z236.003=Z235.048
54	0747+484	7 47 15.6	48 26 25	C	0.3 X 0.3	15.7	L	Z236.004,M+8-15-4
55	0747+505	7 47 51.6	50 32 6	?	0.4 X 0.3	15.8:	L	
56	0747+483	7 47 52.2	48 21 30	Sk	0.4 X 0.3	16.0:	L	
57	0748+479	7 48 46.3	47 54 26	Sp:	0.4 X 0.2	16.5:	L	
58	0750+525	7 50 22.0	52 35 55	Sp	0.7 X 0.4	16.5:	L	M+9-13-83
59	0750+499	7 50 34.4	49 55 51	Sp:	0.4 X 0.2	16.2:	L	
60	0751+498	7 51 21.4	49 49 20	Sp	0.4 X 0.3	16.0:	L	
61	0751+485	7 51 45.1	48 34 14	Sp:	0.3 X 0.2	16.5:	M	
62	0752+502	7 52 30.6	50 14 2	Sp	0.5 X 0.3	16.0:	L	
63	0753+507	7 53 13.6	50 46 6	Sp:	0.5 X 0.2	15.8:	H	
64	0753+497	7 53 19.2	49 42 4	Sk	1.3 X 1.3	13.9	L	U4107,Z236.018,M+8-15-27
65	0753+500	7 53 33.9	50 3 21	C	0.3 X 0.2	16.5:	L	
66	0755+505	7 55 1.4	50 35 45	Sk:	0.5 X 0.3	15.3	L	Z262.053
67	0755+524	7 55 4.2	52 27 38	Sp:	0.4 X 0.2	16.5:	L	

Notes on individual galaxies given in Table III-2b (A0222)

- 0725+492 : 8-shaped arm with the red nucleus.
0734+497 : V-shaped to the east.
0735+482 : Butterfly-shaped.
0736+527 : S-shaped thick arms.
0738+499 : Curved arms extend outward from both ends of the bar.
A star possibly overlaps with the nucleus.
0740+482 : Patchy.
0743+523 : Edge-on.
0743+513 : A bright clump is attached to the southeast portion.
0744+502 : Clumpy in red light.
0747+505 : A star is overlapped in the southwest portion.
0750+525 : A star-like image is overlapped in the southwest portion.
0753+507 : Bright blue central region.

Table III-2c. List of KUGs (A0225).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0832+506	8 32 16.2	50 41 3	Sp	0.6 X 0.2	16.0:	L	
2	0832+526A	8 32 17.2	52 38 0	Sp:	0.2 X 0.2	16.8:	L	
3	0832+526B	8 32 29.3	52 41 32	C	0.3 X 0.3	16.5:	L	
4	0832+505	8 32 34.7	50 35 35	Sp	1.3 X 0.2	15.0	L	Z263.060
5	0833+475	8 33 8.0	47 31 46	C	0.3 X 0.2	16.0:	L	
6	0833+479	8 33 55.3	47 57 16	Sp:	0.2 X 0.2	16.5:	L	
7	0833+522	8 33 56.3	52 12 28	C	0.2 X 0.2	16.8:	L	
8	0837+495	8 37 5.3	49 34 59	C:	0.2 X 0.1	17.0:	L	
9	0837+496	8 37 28.8	49 36 12	Sp	0.4 X 0.3	15.7	H	Z237.011
10	0837+511	8 37 38.5	51 11 29	Sp:	0.3 X 0.2	16.0:	L	
11	0838+509A	8 38 3.3	50 58 7	C:	0.2 X 0.2	16.0:	H	
12	0838+509B	8 38 12.8	50 57 54	C	0.4 X 0.3	15.7	L	Z263.073
13	0838+477	8 38 15.0	47 46 24	C	0.2 X 0.2	17.5:	M	
14	0837+484	8 38 49.1	48 29 33	Sk:	0.7 X 0.3	16.2:	L	
15	0839+515	8 39 26.7	51 30 20	Sp	0.4 X 0.2	16.0:	L	
16	0841+495	8 41 27.4	49 33 21	Sp:	0.4 X 0.3	16.0:	L	
17	0841+494	8 41 28.2	49 29 38	Sp	0.3 X 0.2	16.2:	L	
18	0841+524	8 41 51.7	52 26 12	Sp	0.4 X 0.2	16.2:	L	
19	0842+527	8 42 22.6	52 42 56	Sp	0.6 X 0.6	14.9	L	Z264.013,M+9-15-21
20	0842+486	8 42 32.0	48 41 30	Sp:	0.4 X 0.2	16.0:	L	
21	0842+492	8 42 44.8	49 12 36	Sp:	0.3 X 0.3	16.5:	L	
22	0842+475	8 42 58.3	47 34 41	Sp	0.5 X 0.1	16.8:	L	
23	0842+485	8 42 59.5	48 31 59	Sp:	0.2 X 0.2	16.7:	L	
24	0843+514	8 43 39.1	51 25 48	Sp	0.3 X 0.3	15.7:	M	
25	0844+514	8 44 11.6	51 25 1	Sp:	0.4 X 0.3	16.0:	L	
26	0844+474	8 44 56.6	47 28 27	Sk	0.6 X 0.4	14.8	L	Z237.021,M+8-16-30,K0844+474
27	0845+504	8 45 39.0	50 26 39	Sp:	0.4 X 0.2	16.5:	L	
28	0845+510	8 45 41.3	51 5 50	Sp	0.4 X 0.2	15.7:	M	M+9-15-30
29	0845+494	8 45 47.1	49 27 9	lc:	0.7 X 0.1	16.0:	M	
30	0845+499	8 45 57.9	49 56 40	C:	0.2 X 0.1	16.7:	H	
31	0846+496	8 46 30.3	49 39 51	Sp	0.4 X 0.2	15.5:	M	
32	0846+504	8 46 39.7	50 24 40	C	0.3 X 0.2	16.5:	M	
33	0846+498	8 46 54.3	49 51 56	Sp:	0.3 X 0.2	16.8:	L	
34	0847+502	8 47 4.8	50 12 51	Sp	0.3 X 0.3	16.5:	L	
35	0847+491	8 47 19.9	49 8 10	C:	0.2 X 0.2	17.0:	L	
36	0848+513	8 48 5.8	51 18 23	Sp:	1.6 X 0.3	15.5	M	U4628,Z264.020,M+9-15-35
37	0848+492	8 48 7.7	49 17 13	C	0.3 X 0.2	16.7:	M	
38	0848+526A	8 48 13.3	52 39 42	Sp	0.3 X 0.1	16.2:	M	
39	0848+526B	8 48 14.6	52 39 51	Sp:	0.3 X 0.2	16.5:	L	
40	0848+494	8 48 26.5	49 29 41	Sp	0.6 X 0.2	16.7:	L	
41	0848+493	8 48 38.2	49 22 15	C	0.2 X 0.2	17.0:	M	
42	0848+489	8 48 41.1	48 55 42	Sp	0.3 X 0.2	16.8:	L	
43	0848+525A	8 48 51.5	52 33 53	C	0.2 X 0.1	16.7:	M	
44	0848+525B	8 48 58.2	52 33 21	Sp:	0.6 X 0.3	16.0:	L	
45	0849+525	8 49 2.3	52 33 1	Sp:	0.2 X 0.1	16.7:	L	
46	0849+496	8 49 27.1	49 38 57	C:	0.4 X 0.4	14.8:	M	
47	0849+515	8 49 57.7	51 30 11	Sk	3.0 X 3.0	10.4	L	U4645,N2681,Z264.026,M+9-15-41
48	0851+509	8 51 0.6	50 57 22	Sp:	0.4 X 0.3	16.0:	L	
49	0851+526	8 51 9.7	52 39 47	Sp:	0.5 X 0.2	15.7:	L	M+9-15-46
50	0851+493	8 51 23.9	49 21 5	Sk	1.0 X 0.8	13.4	M	U4662,N2684,Z237.024,M+8-16-35
51	0851+510	8 51 26.9	51 1 15	C	0.2 X 0.1	17.5:	L	
52	0852+497	8 52 29.9	49 44 17	C	0.3 X 0.3	15.5:	L	
53	0853+522	8 53 6.7	52 17 53	Sk	1.6 X 1.1	13.6	L	U4671,Z264.033,M+9-15-53
54	0853+489	8 53 30.4	48 58 5	C	0.3 X 0.3	16.8:	M	
55	0855+492	8 55 16.0	49 14 21	Sp:	0.3 X 0.2	17.0:	L	
56	0855+493	8 55 55.0	49 21 20	Sp	0.4 X 0.2	16.0:	L	
57	0855+517	8 55 57.8	51 44 10	Sp:	0.4 X 0.2	16.5:	L	
58	0856+480	8 56 16.8	48 1 38	Pi:	0.3 X 0.2	17.0:	L	
59	0857+508A	8 57 1.3	50 50 30	Sp:	0.3 X 0.2	16.8:	M	
60	0857+504	8 57 24.6	50 25 53	Sp:	0.3 X 0.2	16.2:	M	

Table III-2c. List of KUGs (A0225-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
61	0857+475	8 57 51.9	47 33 25	C:	0.2 X 0.2	17.0:	M	K0857+475
62	0859+500	8 59 45.5	50 0 56	Ig:	0.3 X 0.2	16.8:	L	
63	0859+511	8 59 54.1	51 6 56	?	0.4 X 0.2	15.6	L	Z264.054
64	0859+521	8 59 54.5	52 10 54	Sp	0.4 X 0.2	15.3	L	Z264.055
65	0900+521	9 0 57.0	52 8 40	Sp	0.4 X 0.4	15.5	L	Z264.058
66	0901+518	9 1 0.6	51 48 51	Sp	0.8 X 0.7	13.6	L	U4749,MK101,Z264.057
67	0901+516A	9 1 52.1	51 39 38	Sp:	0.3 X 0.2	16.0:	L	
68	0901+516B	9 1 56.7	51 36 49	C	0.2 X 0.2	15.8:	L	
69	0902+513	9 2 17.1	51 18 13	Sp:	0.6 X 0.2	15.8:	L	
70	0902+490	9 2 26.7	49 1 13	Sp:	0.3 X 0.2	16.7:	L	
71	0902+473A	9 2 28.9	47 21 50	Sp	0.4 X 0.2	16.0:	L	M+8-17-24
72	0902+473B	9 2 30.5	47 22 47	Ig:	0.7 X 0.4	14.5	L	U4765,Z238.008,M+8-17-23
73	0902+491	9 2 39.2	49 7 18	Sp	0.3 X 0.2	16.5:	M	
74	0903+509	9 3 24.6	50 55 0	Sp:	0.4 X 0.1	17.0:	L	
75	0903+499	9 3 27.4	49 58 30	Sp:	0.5 X 0.3	15.4	M	Z238.010,M+8-17-28
76	0903+517	9 3 51.3	51 46 33	Sp	0.7 X 0.2	15.7:	L	
77	0904+504	9 4 52.8	50 27 44	Sp:	0.4 X 0.2	16.0:	L	
78	0905+510	9 5 37.2	51 2 38	Sp:	0.6 X 0.2	15.7	M	Z264.069
79	0906+515	9 6 11.2	51 32 12	C	0.2 X 0.2	17.5:	L	

Notes on individual galaxies given in Table III-2c (A0225)

- 0837+495 : Star-like.
0838+509A : Star-like image with slight extension.
0838+484 : Outer ring.
0844+474 : Bright eastern arm.
0845+510 : A red star is overlapped in the southwest portion.
0845+494 : Blue clumps are in the northeast portion.
0848+525A : Star-like image with slight extension.
0848+525B : Blue filament in the northeast portion.
0849+515 : Blue arms and disks with the red nuclear region.
0851+493 : A blue sharp arm.
0853+522 : A star is overlapped in the north portion.
0856+480 : Faint double system.
0859+511 : A blue knot in the north portion.

Table III-2d. List of KUGs (A0226).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0854+498	8 54 3.4	49 50 14	Sp	0.8 X 0.2	16.5:	L	
2	0854+490A	8 54 20.4	49 3 37	C	0.1 X 0.1	17.5:	L	
3	0854+490B	8 54 22.6	49 3 20	Sp:	0.3 X 0.2	16.8:	M	
4	0855+520	8 55 2.4	52 4 22	Sp	0.6 X 0.2	15.3	L	Z264.041
5	0855+527	8 55 24.3	52 45 52	C	0.2 X 0.2	15.7	M	Z264.042
6*	0855+493	8 55 55.1	49 21 21	Sp	0.4 X 0.2	16.0:	L	
7	0855+478	8 55 57.1	47 48 19	Sk:	0.4 X 0.2	16.5:	M	
8*	0855+517	8 55 58.0	51 44 13	Sp:	0.4 X 0.2	16.5:	L	
9*	0856+480	8 56 16.5	48 1 39	Pi:	0.3 X 0.2	17.0:	L	
10	0856+501	8 56 18.1	50 8 14	Sp	0.6 X 0.4	15.5:	L	
11	0856+499	8 56 21.5	49 57 55	Sk	0.6 X 0.3	15.0	M	M+8-17-9
12	0856+522	8 56 48.9	52 15 38	?	0.4 X 0.2	15.8:	L	
13	0856+481	8 56 59.3	48 7 10	Sp:	0.3 X 0.2	17.0:	L	
14*	0857+508A	8 57 1.2	50 50 29	Sp:	0.2 X 0.2	16.8:	M	
15	0857+514	8 57 4.2	51 24 11	Sp	0.9 X 0.3	15.1	L	U4717,Z264.048
16	0857+508B	8 57 16.5	50 52 7	C	0.3 X 0.3	16.5:	L	
17*	0857+504	8 57 24.7	50 25 53	Sp:	0.3 X 0.2	16.2:	M	
18	0857+528	8 57 29.6	52 50 44	Sp	0.6 X 0.3	15.5:	L	M+9-15-76
19	0857+479	8 57 32.4	47 59 29	Sp	0.9 X 0.2	15.6	L	Z238.004,M+8-17-14
20	0858+495	8 58 6.3	49 30 28	Sp	0.3 X 0.2	16.5:	L	M+8-17-15

Table III-2d. List of KUGs (A0226-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
21	0858+516	8 58 22.4	51 39 10	Sp:	0.3 X 0.1	17.2:	M	
22	0859+495	8 59 22.6	49 34 32	Sp:	0.2 X 0.2	16.8:	M	
23*	0859+511	8 59 53.9	51 6 55	?	0.4 X 0.2	15.6	L	Z264.054
24*	0859+521	8 59 54.4	52 10 54	Sp	0.4 X 0.2	15.3	L	Z264.055
25	0859+497	8 59 58.2	49 47 37	C:	0.1 X 0.1	17.5:	L	
26	0900+514	9 0 2.1	51 26 12	C	0.1 X 0.1	17.0:	L	
27	0900+497	9 0 21.4	49 45 43	Sp	0.4 X 0.1	17.0:	L	
28	0900+522	9 0 43.3	52 16 0	C:	0.3 X 0.2	16.5:	L	
29	0900+512	9 0 44.9	51 15 35	C:	0.3 X 0.2	16.0:	L	
30*	0900+521	9 0 57.0	52 8 39	Sp:	0.4 X 0.4	15.5	L	Z264.058
31*	0901+518	9 1 0.6	51 48 51	Sp	0.8 X 0.7	13.6	L	U4749,MK101,Z264.057
32*	0901+516A	9 1 51.9	51 39 36	Sp:	0.3 X 0.2	16.0:	L	
33*	0901+516B	9 1 56.7	51 36 49	C	0.2 X 0.2	15.8:	L	
34	0902+522	9 2 2.7	52 17 7	C	0.1 X 0.1	17.0:	L	
35*	0902+513	9 2 16.9	51 18 13	Sp:	0.6 X 0.2	15.8:	L	
36*	0902+473A	9 2 28.8	47 21 50	Sp	0.4 X 0.2	16.0:	L	M+8-17-24
37*	0902+473B	9 2 30.5	47 22 47	lg:	0.7 X 0.4	14.5	L	U4765,Z238.008,M+8-17-23
38*	0902+491	9 2 39.8	49 7 17	Sp	0.3 X 0.2	16.5:	M	
39	0902+521	9 2 56.8	52 11 32	Sp:	0.4 X 0.1	16.5:	L	
40	0903+490	9 3 3.2	49 2 40	C:	0.2 X 0.1	17.0:	L	
41*	0903+499	9 3 27.2	49 58 28	Sp:	0.5 X 0.3	15.4	M	Z238.010,M+8-17-28
42*	0903+517	9 3 51.7	51 46 36	Sp	0.7 X 0.2	15.7:	L	
43	0904+522	9 4 13.8	52 16 25	Sp:	0.7 X 0.2	16.0:	L	M+9-15-94
44	0904+501	9 4 37.3	50 6 47	Sp	0.6 X 0.3	15.8:	L	
45	0904+499	9 4 54.7	49 56 15	Sp:	0.3 X 0.2	17.0:	L	
46	0905+489	9 5 0.4	48 55 14	Sp:	0.2 X 0.2	17.0:	L	
47	0905+499	9 5 25.4	49 57 5	Sp:	0.8 X 0.3	15.5:	L	M+8-17-39
48*	0905+510	9 5 37.0	51 2 37	Sp:	0.6 X 0.2	15.7	M	Z264.069
49	0905+486	9 5 39.5	48 36 51	C	0.2 X 0.2	17.0:	L	
50	0905+511	9 5 41.8	51 7 39	Sp:	0.6 X 0.2	16.0:	L	
51	0906+503	9 6 34.2	50 21 39	C	0.2 X 0.2	16.8:	M	
52	0906+502	9 6 39.9	50 15 43	Sk	0.8 X 0.6	14.4	H	U4812,Z238.016
53	0906+492	9 6 59.7	49 13 53	Sp:	0.4 X 0.2	15.8:	M	
54	0907+479	9 7 9.4	47 57 35	Sp:	0.2 X 0.1	17.0:	L	
55	0907+503	9 7 45.8	50 20 4	Sp	0.6 X 0.4	15.7	M	Z238.017,M+8-17-52
56	0908+514	9 8 4.1	51 27 31	Sp	2.5 X 0.6	14.5	L	U4824,Z264.078
57	0908+474	9 8 6.5	47 25 51	Sp:	0.3 X 0.2	16.0:	M	K0908+474
58	0908+491	9 8 26.2	49 6 14	lg:	0.2 X 0.1	17.5:	L	
59	0908+499	9 8 47.3	49 58 1	Sp	0.7 X 0.4	15.5	L	Z238.019,M+8-17-55
60	0908+527	9 8 56.0	52 44 36	Sp:	0.4 X 0.2	16.8:	M	
61	0908+477	9 8 56.7	47 47 9	Sp:	0.6 X 0.2	15.8:	L	
62	0909+477	9 9 2.1	47 45 11	Sp	0.4 X 0.2	16.0:	L	
63	0909+527	9 9 2.7	52 43 37	C	0.2 X 0.2	17.2:	M	
64	0909+499	9 9 17.3	49 54 53	Sp:	0.4 X 0.1	16.5:	L	
65	0909+498	9 9 35.5	49 50 44	Sk	1.1 X 0.7	14.1	L	U4844,Z238.021,M+8-17-58
66	0909+517A	9 9 39.6	51 44 26	C	0.1 X 0.1	17.5:	L	
67	0909+517B	9 9 45.1	51 46 55	C:	0.3 X 0.2	16.7:	M	
68	0909+509	9 9 50.5	50 56 47	Sp	0.4 X 0.2	16.0:	L	
69	0910+479	9 10 23.0	47 54 25	Sp	0.7 X 0.2	15.7	M	Z238.023,M+8-17-60
70	0910+503	9 10 23.3	50 22 18	C	0.2 X 0.2	16.0:	M	
71	0910+524A	9 10 23.7	52 29 50	Sp	0.8 X 0.4	15.1	L	Z264.083
72	0910+496	9 10 27.5	49 37 57	Sp:	0.6 X 0.2	15.7:	M	
73	0910+524B	9 10 27.9	52 26 24	Sp:	0.3 X 0.3	15.5	M	Z264.084
74	0911+479	9 11 16.6	47 54 3	Pi	0.6 X 0.3	15.5:	L	
75	0911+501	9 11 22.0	50 6 34	Sp:	0.6 X 0.2	16.5:	L	
76	0911+515	9 11 29.0	51 34 12	Sk:	0.9 X 0.4	14.6	L	Z264.087
77	0912+496	9 12 6.9	49 40 30	C	0.3 X 0.2	16.7:	L	
78	0912+477	9 12 54.4	47 46 10	Pi	0.3 X 0.2	17.0:	L	
79	0913+520	9 13 19.5	52 0 13	Sp:	0.4 X 0.1	17.2:	L	
80	0913+475	9 13 20.7	47 35 41	Sp:	0.2 X 0.1	16.8:	M	

Table III-2d. List of KUGs (A0226-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
81	0913+502	9 13 35.6	50 15 19	Sk	0.8 X 0.7	14.9	M	M+8-17-70
82	0914+481	9 14 53.8	48 9 34	Sp	0.7 X 0.7	15.5	L	Z238.031,M+8-17-73
83	0915+515A	9 15 29.5	51 34 51	Sp	0.9 X 0.2	15.2	M	Z264.095
84	0915+515B	9 15 31.3	51 32 4	Sp	1.0 X 0.9	15.3	H	U4928,Z264.096
85	0915+514	9 15 41.4	51 24 25	Sp:	0.3 X 0.2	17.0:	L	
86	0915+501	9 15 44.7	50 6 10	Sp:	0.4 X 0.2	16.0:	L	
87	0915+491	9 15 48.1	49 10 45	Sp	0.9 X 0.4	15.4	L	U4930,Z238.035,M+8-17-78
88	0915+499	9 15 54.2	49 54 3	Sp:	0.3 X 0.2	16.5:	M	
89	0916+510	9 16 13.6	51 4 2	Sp	0.4 X 0.2	15.7	L	Z264.100
90	0916+484	9 16 15.3	48 28 41	Sk	0.4 X 0.2	16.0:	H	M+8-17-80
91	0916+515	9 16 32.1	51 32 41	C	0.2 X 0.2	17.5:	L	
92	0918+526A	9 18 17.4	52 37 40	C	0.3 X 0.3	16.0:	L	
93	0918+526B	9 18 25.2	52 38 25	Sp:	0.4 X 0.2	16.0:	M	K0918+526
94	0918+483	9 18 28.8	48 21 22	Sp:	0.3 X 0.2	16.5:	L	
95	0918+493A	9 18 41.2	49 20 29	Sp:	0.4 X 0.2	16.5:	M	
96	0918+509	9 18 52.2	50 57 32	Sp:	0.4 X 0.3	16.0:	M	
97	0918+493B	9 18 56.9	49 22 26	Sp:	0.7 X 0.2	15.7	M	Z238.040,K0918+493
98	0919+474	9 19 5.1	47 27 30	Pd:	0.3 X 0.2	15.6	H	Z238.041
99	0919+509	9 19 12.1	50 58 43	Sp	0.6 X 0.1	16.0:	L	
100	0920+494A	9 20 39.9	49 25 8	Sp	1.6 X 0.6	13.8	L	U4995,N2854,Z238.046,M+8-17-92,K0920+494A
101	0920+502	9 20 47.5	50 12 54	Sp:	0.3 X 0.1	17.5:	L	
102	0920+494B	9 20 52.8	49 27 52	Sk:	1.1 X 0.5	13.9	L	U4997,N2856,Z238.047,M+8-17-93,K0920+494B
103	0921+519	9 21 2.0	51 55 59	Sp:	0.3 X 0.1	16.5:	M	K0921+519
104	0921+483	9 21 3.3	48 23 40	Sp:	0.6 X 0.3	15.7	L	Z238.048
105	0921+485	9 21 22.0	48 30 10	Sk:	0.7 X 0.2	15.2	M	Z238.050,K0921+485
106	0922+526A	9 22 16.3	52 36 52	Sp:	0.7 X 0.2	16.0:	L	
107	0922+526B	9 22 19.1	52 36 11	C	0.2 X 0.1	17.0:	L	M+9-16-16
108	0922+507	9 22 56.5	50 47 3	Sp:	0.4 X 0.2	16.5:	L	
109	0923+483	9 23 1.8	48 23 3	Sp:	0.6 X 0.3	16.5:	L	
110	0923+473	9 23 9.5	47 21 20	Sp:	0.3 X 0.2	16.5:	M	K0923+473
111	0923+518	9 23 45.7	51 52 51	Sp:	0.4 X 0.2	16.5:	L	
112	0923+511	9 23 56.9	51 10 55	C	0.2 X 0.2	17.0:	L	
113	0924+475	9 24 16.0	47 34 18	Sp:	0.3 X 0.2	16.0:	M	
114	0924+487	9 24 31.8	48 44 28	Sp:	0.7 X 0.4	15.3	L	Z238.057,M+8-17-101
115	0924+483	9 24 35.9	48 21 23	C:	0.2 X 0.2	17.0:	M	K0924+483
116	0924+487A	9 24 42.5	48 44 41	Sp:	0.3 X 0.2	16.5:	M	K0924+487A
117	0924+487B	9 24 56.4	48 44 0	Sp	0.8 X 0.2	15.2	M	Z238.059,K0924+487B
118	0925+510	9 25 7.7	51 0 43	Sk	0.8 X 0.4	15.2	L	Z265.021,M+9-16-22
119	0927+499	9 27 2.4	49 59 49	C	0.2 X 0.2	17.5:	L	
120	0927+478	9 27 24.3	47 51 54	Sp	0.6 X 0.2	16.8:	L	
121	0927+507	9 27 26.2	50 42 31	C	0.2 X 0.1	17.5:	L	
122	0927+493	9 27 45.8	49 18 0	Sp	0.4 X 0.3	15.3	L	(=Z238.066,Z239.003)

Notes on individual galaxies given in Table III-2d (A0226)

- 0855+478 : Bright knot in the southern portion.
0856+480 : Double nucleus?
0856+499 : Red nucleus with a blue disk.
0857+479 : Warped northern disk?
0859+511 : Blue halo with a spot in the north.
0859+497 : Stellar image with very faint halo.
0900+521 : Stars are overlapped on arm-like extensions.
0901+518 : Extended nuclear region.
0902+473 : Extended nebulosity with a clump.
0906+502 : Bright blue arms.
0908+499 : Blue disk with the red central region.
0909+498 : HII regions along an east dark lane.
0911+479 : Four components.
0913+520 : A star is overlapped in the northwest portion.
0913+502 : System with plume+jets?
0916+484 : Bright blue clumps are on the disk.
0920+494A : Both ends of the bar are bright.
0920+494B : Both ends of the bar are very blue.
0924+475 : Located in a group of galaxies.

Table III-2e. List of KUGs (A0228).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0945+494	9 45 5.1	49 29 56	Sp:	0.2 X 0.2	17.0:	L	
2	0945+476	9 45 19.8	47 36 0	Sk:	0.4 X 0.4	15.7	L	Z239.028,M+8-18-32,K0945+476
3	0945+475	9 45 28.5	47 34 42	Sp:	0.8 X 0.2	15.6	L	Z239.029,M+8-18-33,K0945+475
4	0946+487	9 46 3.2	48 47 50	C	0.3 X 0.2	16.5:	M	K0946+487
5	0947+476	9 47 1.5	47 36 0	C	0.2 X 0.2	17.5:	L	
6	0947+475	9 47 10.8	47 35 57	Sp:	0.2 X 0.2	17.0:	L	
7	0947+487	9 47 19.4	48 43 10	Sp:	0.4 X 0.2	15.4	L	Z239.034,M+8-18-39
8	0947+474	9 47 50.9	47 24 9	Sk	0.7 X 0.3	15.0	L	Z239.036,M+8-18-40,K0947+474
9	0948+492	9 48 28.7	49 16 53	Sp:	0.6 X 0.1	17.0:	L	
10	0949+524	9 49 17.0	52 27 26	Sp:	0.4 X 0.3	15.5	L	MK126,K0949+524
11	0949+483	9 49 46.4	48 21 41	Sp	0.2 X 0.2	16.5:	M	K0949+483
12	0950+477	9 50 4.9	47 43 6	C:	0.2 X 0.2	17.0:	L	
13	0950+494	9 50 5.9	49 25 23	C	0.2 X 0.2	16.7:	M	
14	0950+526	9 50 15.3	52 39 0	Sp:	0.3 X 0.3	15.3	L	Z265.046
15	0952+513	9 52 3.2	51 18 16	C:	0.2 X 0.2	16.5:	L	
16	0952+517	9 52 10.7	51 46 0	Sp:	0.3 X 0.2	17.0:	M	
17	0952+519	9 52 32.6	51 59 7	Sp:	0.4 X 0.2	16.5:	M	K0952+519
18	0952+476	9 52 34.2	47 36 47	Sp	0.4 X 0.3	15.6	M	Z239.040,K0952+476
19	0953+506	9 53 5.3	50 36 55	Sp:	0.4 X 0.3	16.0:	L	
20	0953+476	9 53 39.1	47 39 38	Sp:	0.4 X 0.4	15.4	L	Z239.043
21	0954+520	9 54 31.4	52 3 34	Sp:	0.6 X 0.4	15.1	L	Z266.001
22	0955+479	9 55 41.9	47 58 32	Sk	1.8 X 1.1	14.4	M	U5354,Z239.048,M+8-18-51
23	0955+517	9 55 52.6	51 45 16	Sp:	0.3 X 0.2	16.0:	L	
24	0955+512	9 55 53.4	51 13 37	Sk:	0.7 X 0.3	15.2	L	U5356,Z265.051
25	0956+524	9 56 1.1	52 29 48	Sp:	0.4 X 0.3	14.9	L	1ZW23,Z266.003(=Z265.052),M+9-17-2
26	0956+475	9 56 45.4	47 32 43	Sp	0.3 X 0.3	16.5	L	MK130,K0956+475
27	0956+500	9 56 49.5	50 3 45	C:	0.2 X 0.2	16.8:	L	
28	0957+474	9 57 52.3	47 26 28	C:	0.3 X 0.2	17.0:	L	
29	0958+490	9 58 41.8	49 2 28	C	0.2 X 0.2	17.0:	L	
30	0959+521	9 59 13.5	52 8 49	Sp	0.6 X 0.2	16.0:	L	
31	0959+512	9 59 13.6	51 13 58	Sp:	0.3 X 0.2	17.0:	L	
32	1000+512	10 0 1.5	51 17 32	Sp:	0.2 X 0.2	17.0:	L	
33	1000+496	10 0 7.8	49 38 19	C:	0.2 X 0.1	17.5:	L	
34	1000+503	10 0 15.2	50 23 41	Sp:	0.3 X 0.2	16.0:	M	
35	1000+508	10 0 28.4	50 49 12	Sp	0.4 X 0.1	16.0:	L	
36	1000+479	10 0 29.9	47 56 54	Sk	0.7 X 0.2	16.0:	M	
37	1000+478	10 0 38.5	47 52 25	Sp:	0.3 X 0.2	16.8:	L	
38	1001+495	10 1 10.9	49 35 25	Sp:	0.3 X 0.2	16.5:	H	
39	1001+511	10 1 12.4	51 8 0	Sp:	0.6 X 0.3	15.6	L	Z266.016
40	1001+509	10 1 15.2	50 58 7	Sp	0.4 X 0.3	16.0:	L	
41	1001+490	10 1 52.6	49 4 50	Sp:	0.3 X 0.3	16.5:	L	
42	1002+518	10 2 0.4	51 50 20	Sp	0.7 X 0.4	15.7	M	Z266.019
43	1002+502	10 2 7.4	50 17 47	Sp:	0.3 X 0.2	16.8:	L	
44	1002+515	10 2 21.6	51 30 49	Sp:	0.3 X 0.3	16.0:	L	
45	1002+524	10 2 52.8	52 24 50	Sk	1.1 X 0.4	15.0	L	Z266.022
46	1002+490	10 2 58.3	49 4 11	C:	0.2 X 0.2	16.5:	M	
47	1003+488	10 3 35.8	48 52 22	Pi	0.6 X 0.4	15.7	L	Z240.008
48	1004+472	10 4 11.4	47 15 0	Sk	1.6 X 0.6	14.1	M	U5451,Z240.010,M+8-19-4,K1004+472
49	1004+486	10 4 28.0	48 38 16	Sp:	0.2 X 0.1	17.0:	L	
50	1004+506	10 4 41.7	50 37 42	C	0.3 X 0.3	16.5:	L	
51	1004+503	10 4 49.3	50 23 56	Sp:	0.3 X 0.2	17.0:	M	
52	1004+520	10 4 52.4	52 5 33	Sk	2.5 X 2.2	13.9	M	U5460,Z266.025
53	1005+488	10 5 18.9	48 49 27	Sp:	0.2 X 0.2	17.0:	L	
54	1005+507	10 5 36.4	50 46 5	Sp:	0.3 X 0.1	17.0:	L	
55	1006+506	10 6 12.1	50 41 19	C	0.2 X 0.2	17.0:	L	
56	1006+492	10 6 17.9	49 17 28	?	0.3 X 0.2	17.0:	L	
57	1006+500	10 6 33	50 5 3	Sp:	0.3 X 0.2	16.7:	L	
58	1007+471	10 7 3.7	47 11 53	Sp	0.7 X 0.2	15.2	L	Z240.014,M+8-19-6,K1007+471
59	1007+482	10 7 43.1	48 14 1	Sp:	0.3 X 0.2	16.8:	L	
60	1008+508	10 8 8.6	50 48 7	Sp:	0.3 X 0.2	16.5:	M	

Table III-2e. List of KUGs (A0228-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
61	1008+509	10 8 29.9	50 58 37	C:	0.2 X 0.1	17.0:	M	
62	1008+510	10 8 35.2	51 4 42	Pd	0.2 X 0.1	16.8:	M	
63	1008+519	10 8 42	51 54 10	Sp	0.3 X 0.3	16.0:	L	
64	1009+504	10 9 29.6	50 26 3	C	0.2 X 0.2	16.0:	L	
65	1009+499	10 9 49.7	49 56 19	Sp:	0.3 X 0.2	16.8:	L	
66	1010+495	10 10 18.4	49 31 13	Sp:	0.2 X 0.2	16.8:	L	
67	1010+500	10 10 26.4	50 5 32	Sp:	0.3 X 0.2	16.5:	M	
68	1010+503	10 10 54.5	50 22 26	Sp	0.3 X 0.2	15.5	M	Z240.018
69	1011+489	10 11 36.6	48 56 14	Sp	0.6 X 0.2	16.2:	L	
70	1012+497	10 12 12.4	49 43 37	Sp	0.7 X 0.1	16.2:	L	
71	1012+496A	10 12 37.0	49 41 38	Sp	0.8 X 0.2	16.0:	L	
72	1012+496B	10 12 50.7	49 39 54	Sp:	0.3 X 0.1	17.0:	L	
73	1013+492	10 13 4.4	49 13 32	Sp:	0.3 X 0.2	16.5:	M	
74	1013+470	10 13 14.7	47 5 43	Sp:	0.2 X 0.2	17.0:	L	
75	1013+498	10 13 50.2	49 52 37	Sk:	0.9 X 0.6	14.4	L	Z240.023
76	1014+518	10 14 19.0	51 49 29	Sp:	0.3 X 0.2	16.5:	L	
77	1014+492	10 14 26.1	49 12 1	Sp:	0.2 X 0.2	16.5:	L	
78	1014+516	10 14 32.2	51 41 47	C:	0.2 X 0.1	17.0:	M	
79	1014+506	10 14 47.0	50 39 28	Ig:	0.4 X 0.2	16.0:	M	
80	1015+507	10 15 17.5	50 45 48	Sp:	0.4 X 0.1	16.5:	L	
81	1015+506	10 15 18.1	50 39 46	Sp:	0.2 X 0.2	16.5:	L	
82	1015+491	10 15 20.1	49 8 31	C	0.1 X 0.1	17.5:	L	
83	1016+493	10 16 13.7	49 22 6	Sp	0.6 X 0.4	15.0	L	Z240.028,M+8-19-19
84	1017+518	10 17 4.7	51 51 7	Sp:	0.2 X 0.2	16.5:	M	
85	1017+507	10 17 20.4	50 43 6	Sp:	0.4 X 0.2	16.0:	M	
86	1017+523	10 17 27.5	52 21 22	Sp:	0.3 X 0.2	16.8:	L	
87	1018+516	10 18 48.9	51 38 13	Sp:	0.4 X 0.3	16.0:	L	
88	1019+526	10 19 30.9	52 36 38	Sp:	0.3 X 0.2	16.5:	L	
89	1020+525	10 20 22.7	52 35 40	Sk	0.9 X 0.2	15.0	L	U5613,Z266.041,M+9-17-60

Notes on individual galaxies given in Table III-2e (A0228)

- 0945+494 : A star is overlapped in the north portion.
0947+474 : A star is overlapped with the galaxy in the northeast portion.
0955+479 : A star-like image is on the deformed outer ring.
0955+512 : A bright and a faint star are near to the galaxy.
1000+496 : Star-like.
1002+524 : An elongated drop from northern arm possibly results in interaction.
1003+488 : Possible double system with tails.
1006+492 : A faint star is overlapped with the galaxy in the northeast portion.
1008+510 : Possible pair with the east galaxy (non-KUG).
1013+498 : Partial knotty ring.
1015+491 : Bar-like structure.

Table III-2f. List of KUGs (A0355).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	1233+386	12 33 26.0	38 39 4	Sp	0.9 X 0.4	15.1	M	Z216.013,K1233+386
2	1234+404	12 34 27.9	40 24 25	Sp	0.3 X 0.2	16.7:	M	
3	1234+406	12 34 34.3	40 37 22	Ic:	0.4 X 0.4	15.3	M	Z216.015
4	1234+397	12 34 50.5	39 45 29	Sp:	0.4 X 0.4	15.0	L	M+7-26-32
5	1235+397	12 35 22.0	39 47 33	C:	0.2 X 0.2	16.8:	M	
6	1235+400	12 35 59.4	40 4 35	C:	0.2 X 0.2	17.0:	L	
7	1236+386	12 36 35.9	38 36 48	C:	0.2 X 0.2	16.8:	L	
8	1237+428	12 37 7.5	42 52 4	Sp	0.3 X 0.3	16.5:	M	
9	1237+405	12 37 21.0	40 31 15	Sp:	0.4 X 0.3	16.5:	L	K1237+405
10	1239+414	12 39 8.9	41 25 26	Sk:	3.9 X 3.4	11.5	M	U7853,N4618,A23,V73A,I3667,Z216.017,K1239+414

Table III-2f. List of KUGs (A0355-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
11	1239+415	12 39 29.5	41 32 53	Sk:	1.3 X 1.1	13.0	L	U7861,N4625,V73B,I3675,Z216.018,M+7-26-38,K1239+415
12	1239+413	12 39 50.2	41 19 59	C:	0.2 X 0.1	16.8:	L	
13	1239+387	12 39 52.0	38 46 5	Pd:	0.4 X 0.2	15.5	M	U7866,I3687,Z216.019,M+7-26-39
14	1239+427	12 39 54.5	42 47 42	Sp:	1.0 X 0.2	15.6	M	U7867,Z216.020,M+7-26-40
15	1240+410	12 40 9.6	41 3 28	Sp:	0.3 X 0.3	16.5:	L	
16	1240+418	12 40 29.6	41 51 7	C:	0.2 X 0.1	16.8:	M	
17	1240+401	12 40 35.5	40 7 7	Sp:	0.4 X 0.3	16.8:	L	I3697,M+7-26-41
18	1240+426	12 40 55.5	42 36 8	C:	0.3 X 0.2	16.5:	L	
19	1240+397	12 40 59.4	39 42 53	C	0.3 X 0.2	16.5:	M	
20	1241+412	12 41 19.4	41 14 22	Sp:	0.4 X 0.3	16.0:	M	
21	1242+409	12 42 20.4	40 57 4	Sk	1.6 X 0.2	15.6	L	U7921,I3726,Z216.025,M+7-26-49
22	1242+426	12 42 27.8	42 37 47	C	0.2 X 0.2	16.5:	L	
23	1242+396	12 42 29.9	39 37 26	C:	0.3 X 0.2	16.5:	M	I3729,M+7-26-50
24	1243+380	12 43 8.2	38 5 48	Sp:	0.3 X 0.3	15.6	M	Z188.019
25	1243+380	12 43 21.5	38 5 44	Sp:	0.2 X 0.2	16.5:	L	I3751
26	1243+410A	12 43 27.1	41 5 30	Pi:	0.3 X 0.2	15.5:	M	
27	1243+413	12 43 27.1	41 19 18	Sp:	0.2 X 0.1	17.0:	L	
28	1243+410B	12 43 37.2	41 2 52	Sp:	0.4 X 0.3	15.5	L	I3758,Z216.026
29	1244+424	12 44 11.1	42 28 14	Sp:	0.3 X 0.3	15.7:	M	
30	1244+408	12 44 39.7	40 52 8	Sp:	0.4 X 0.3	15.6	M	I3778,Z216.028
31	1244+417	12 44 57.6	41 44 2	Sp:	0.4 X 0.1	16.0:	L	
32	1245+408	12 45 5.5	40 50 21	Sk	0.7 X 0.6	15.6	L	I3783,Z216.029,M+7-26-52
33	1245+409	12 45 43.1	40 59 31	Sp	0.7 X 0.2	15.7	L	I3795,Z216.030,M+7-26-53
34	1246+425	12 46 16.2	42 34 29	Sp:	0.4 X 0.3	16.0:	L	
35	1247+382	12 47 58.1	38 13 14	Sp:	0.3 X 0.2	16.5:	L	I3828
36	1248+400	12 48 27.8	40 4 57	C:	0.3 X 0.3	16.5:	M	I3832
37	1248+413	12 48 32.2	41 23 33	Sk	6.2 X 5.0	8.7	M	U7996,N4736,M94,Z217.001(=Z216.034)
38	1248+404	12 48 34.4	40 27 31	Sp	0.4 X 0.2	16.5:	L	
39	1248+416	12 48 43.4	41 39 44	C	0.3 X 0.2	16.0:	M	
40	1250+370	12 50 44.1	37 5 26	Pd	0.6 X 0.3	14.6	M	N4774,I245,Z188.026,M+6-28-37,K1250+370
41	1252+394	12 52 48.2	39 28 27	Sk	0.6 X 0.6	15.7	L	U8044,I3895,Z217.002,M+7-27-6
42	1254+388A	12 54 10.3	38 53 1	Sp	0.9 X 0.4	15.6	L	U8063,I3916,Z217.004,M+7-27-8
43	1254+402	12 54 29.8	40 13 46	Sp	0.6 X 0.2	16.5:	L	I3920
44	1254+388B	12 54 35.0	38 51 20	Sp:	0.7 X 0.2	16.8:	L	
45	1254+389	12 54 35.8	38 54 36	Sp:	0.4 X 0.2	16.5:	M	I3921
46	1254+417	12 54 57.8	41 46 13	Sp:	0.4 X 0.2	16.5:	L	
47	1256+391	12 56 31.7	39 8 22	Sp:	0.3 X 0.2	17.0:	L	I3952
48	1256+395	12 56 34.4	39 32 6	C	0.2 X 0.2	16.8:	M	
49	1256+375	12 56 48.0	37 34 47	Sp	1.6 X 1.2	12.9	M	U8099,N4868,Z189.008,M+6-29-4,K1256+375
50	1258+375	12 58 22.3	37 35 3	Sp	1.8 X 1.1	12.7	L	U8125,N4914,Z189.013,M+6-29-14
51	1258+400	12 58 25.0	40 1 13	Sk	0.8 X 0.8	16.0	L	U8126,I4056,M+7-27-12
52	1259+384	12 59 18.9	38 24 40	Sp	0.3 X 0.3	16.5:	M	I4083
53	1259+382	12 59 43.7	38 14 56	Ic:	0.4 X 0.2	16.0:	L	I4098
54	1259+406	12 59 46.2	40 40 33	Sk	1.3 X 0.9	15.1	L	U8144,I4100,Z217.007
55	1300+385	13 0 46.3	38 34 58	Sk	0.6 X 0.6	16.5:	L	I4123
56	1301+392	13 1 6.5	39 13 7	Sk	0.4 X 0.3	16.8:	L	I4131
57	1301+405	13 1 18.7	40 31 0	Sp:	0.4 X 0.2	16.0:	L	U8163,I4135
58	1302+401	13 2 38.5	40 11 34	Sp:	0.6 X 0.6	16.0:	L	I4165
59	1302+410	13 2 46.7	41 0 57	Sp:	0.4 X 0.2	16.8:	L	
60	1303+419	13 3 34.8	41 59 21	Sp:	0.8 X 0.6	14.2	L	U8190,N4963,Z217.070

Notes on individual galaxies given in Table III-2f (A0355)

- 1237+405 : A star is overlapped in the east portion of the nucleus.
- 1239+414 , 1239+415 : Blue clumps and knots are scattered on the arm and the central region.
KUG morphology of Sk+Sp.
- 1239+387B : An irregular nebulosity is spread over this, possibly forming a low surface-brightness irregular galaxy.
- 1239+427 : Edge-on spiral.
- 1245+408 : Many blue knots on the disk.
- 1248+413 : Many blue knots on the ring.
- 1250+370 : A bright blue clump is shifted from the center of the ring which seems to form a pair.
- 1256+375 : Bright nuclear clumps connect with the thick arms.
- 1258+400 : A star is overlapped to the south of the nucleus.
- 1301+392 : Thick arms.

Table III-2g. List of KUGs (A0483).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	0910+301	9 10 39.8	30 11 59	Sp	1.1 X 1.3	13.9	L	U4859,N2783A,Z151.027,M+5-22-19
2	0912+299	9 12 0.4	29 56 17	Sp	0.8 X 0.7	13.8	M	U4875,N2789,Z151.035,M+5-22-26
3	0913+311	9 13 41.6	31 7 29	Sp	1.0 X 0.6	14.6	L	U4893,N2796,Z151.042,M+5-22-29
4	0914+295	9 14 8.9	29 35 23	Sp:	0.7 X 0.1	15.7	L	Z151.047
5	0917+316	9 17 54.0	31 37 34	C:	0.2 X 0.2	16.0:	L	1950.0
6	0921+285	9 21 26.4	28 30 29	Sk	0.8 X 0.5	14.8	L	Z151.074,M+5-22-44
7	0924+306	9 24 25.1	30 39 30	Sp	1.0 X 0.9	14.6	M	U5038,I2473,Z152.001(=Z151.082),M+5-22-47
8	0924+302	9 24 54.9	30 12 13	Sp	0.7 X 0.6	14.5	L	U5043,I2476,Z152.005(=Z151.086),M+5-23-1
9	0925+302	9 25 6.4	30 12 34	Sp	0.6 X 0.2	15.5	M	I2479,Z152.008(=Z151.089),M+5-23-2
10	0925+299	9 25 20.3	29 55 28	Sp	0.4 X 0.3	15.5	L	Z152.013(=Z151.094)
11	0931+322	9 31 42.5	32 17 29	Sk:	0.9 X 0.4	15.0	L	Z152.030,K0931+322B
12	0932+319	9 32 45.6	31 55 44	Sp	0.7 X 0.6	13.6	L	U5112,N2918,Z152.032,M+5-23-19

Notes on individual galaxies given in Table III-2g (A0483)

0913+311 : Jet-like elongations.

0914+295 : Extended northern disk.

0921+285 : Clumpy arms + elongations.

0924+306 : Barred spiral galaxy with the blue nucleus.

0931+322 : Blue bulge + blue outer arms.

Table III-2h. List of KUGs (A0561).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	1107+245A	11 7 11.2	24 31 59	Sp	0.9 X 0.4	14.5	M	U6204,Z125.035,M+4-26-36
2	1107+245B	11 7 14.0	24 31 40	Sk	1.6 X 0.3	14.6	M	U6207,Z125.036,M+4-26-37
3	1107+236	11 7 41.4	23 41 11	Sp:	0.3 X 0.3	16.0:	L	
4	1107+224	11 7 55.5	22 27 44	Sp:	0.3 X 0.2	16.5:	L	
5	1108+245	11 8 1.2	24 34 43	Sp:	0.4 X 0.2	17.0:	L	
6	1108+273	11 8 15.6	27 22 5	Sp	0.7 X 0.3	15.5	L	Z156.009,M+5-27-9,K1108+273
7	1108+244	11 8 30.0	24 27 30	Sp:	0.3 X 0.2	17.0:	L	
8	1108+236	11 8 30.6	23 36 29	Sp	0.5 X 0.2	15.5:	L	
9	1108+244	11 8 32.4	24 27 17	C	0.2 X 0.2	17.5:	M	
10	1108+265	11 8 41.7	26 31 47	C:	0.3 X 0.2	16.5:	L	
11	1108+264A	11 8 49.6	26 26 32	Sp:	0.4 X 0.3	17.0:	L	
12	1108+224	11 8 55.8	22 27 20	Sp:	0.2 X 0.2	17.0:	L	
13	1108+264B	11 8 57.3	26 29 5	C:	0.3 X 0.2	16.5:	M	
14	1109+238	11 9 3.7	23 50 32	Sp:	0.7 X 0.2	15.7:	L	
15	1109+275	11 9 8.8	27 30 18	Sk:	0.3 X 0.1	16.5:	L	K1109+275
16	1109+231	11 9 10.2	23 9 40	C:	0.3 X 0.3	17.0:	L	
17	1109+232	11 9 21.4	23 14 37	C:	0.2 X 0.2	17.0:	M	
18	1109+245	11 9 56.8	24 31 10	Sp:	0.4 X 0.2	17.0:	L	
19	1110+257	11 10 0.2	25 46 11	C	0.3 X 0.3	16.0:	L	
20	1110+235A	11 10 2.5	23 34 49	Sp	0.6 X 0.4	15.7	M	Z126.004,M+4-27-2
21	1110+271	11 10 10.0	27 10 48	Sp:	0.3 X 0.2	16.0:	L	
22	1110+235B	11 10 10.8	23 31 44	Sk:	1.3 X 0.2	15.7	L	U6246,Z126.006,M+4-27-3
23	1110+224	11 10 22.4	22 24 56	C	0.2 X 0.2	17.0:	M	
24	1110+261	11 10 38.6	26 8 5	Sk:	0.8 X 0.7	15.4	M	U6252,Z126.008,M+4-27-4
25	1110+256A	11 10 48.1	25 39 37	Sp:	0.4 X 0.2	16.8:	L	
26	1110+256B	11 10 50.0	25 37 44	Sp	0.3 X 0.1	17.5:	L	
27	1110+234	11 10 50.3	23 26 58	Sk	0.7 X 0.3	15.8:	M	
28	1110+235	11 10 51.1	23 34 40	Sp	1.0 X 0.4	15.7	L	M+4-27-6
29	1111+227	11 11 1.6	22 45 50	Sp:	0.2 X 0.1	18.0:	L	
30	1111+230	11 11 10.1	23 5 1	Sp:	0.4 X 0.4	17.5:	L	

Table III-2h. List of KUGs (A0561-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	
31	1111+260	11 11 10.9	26 5 52	Sp:	0.3 X 0.2	17.0:	L	
32	1111+252	11 11 11.9	25 15 8	C:	0.2 X 0.2	17.5:	L	
33	1111+243	11 11 26.0	24 23 50	C:	0.2 X 0.2	17.5:	M	
34	1111+275	11 11 29.2	27 30 39	Sp:	0.4 X 0.3	15.5	L	Z156.029
35	1111+270	11 11 29.3	27 3 17	Sp:	0.2 X 0.2	16.0:	L	
36	1111+236A	11 11 29.3	23 39 43	Sp:	0.6 X 0.2	16.8:	L	
37	1111+246	11 11 31.8	24 39 9	Sp:	0.3 X 0.2	17.5:	L	
38	1111+237	11 11 38.8	23 46 26	Sp:	0.2 X 0.1	17.5:	L	
39	1111+256	11 11 45.8	25 40 12	Sp:	0.2 X 0.1	17.5:	L	
40	1111+236B	11 11 45.9	23 39 11	C	0.2 X 0.2	17.0:	L	
41	1111+227	11 11 50.1	22 45 41	Sp:	1.5 X 0.2	16.0:	L	
42	1112+275	11 12 8.5	27 30 31	C:	0.3 X 0.2	16.5:	M	K1112+275
43	1112+260	11 12 34.3	26 0 11	C:	0.2 X 0.2	17.0:	L	
44	1112+257	11 12 42.8	25 47 1	Sp:	0.2 X 0.2	16.7:	L	
45	1112+236A	11 12 47.6	23 36 27	Sp:	0.6 X 0.3	15.7	M	Z126.013
46	1112+236B	11 12 58.0	23 41 46	Sp	0.4 X 0.2	15.5:	M	
47	1113+238	11 13 22.3	23 49 26	Sp	0.4 X 0.3	16.0:	H	
48	1113+237	11 13 28.5	23 45 37	Ig	0.4 X 0.2	16.0:	H	
49	1113+236	11 13 41.4	23 40 29	C:	0.2 X 0.2	17.0:	M	
50	1114+278	11 14 14.9	27 50 38	Sp	0.8 X 0.4	15.7	L	Z156.048,M+5-27-42,K1114+278
51	1114+234	11 14 19.1	23 27 54	Sp	0.4 X 0.2	17.0:	M	
52	1114+261	11 14 29.8	26 7 7	Sp	0.7 X 0.2	15.6	M	Z126.016
53	1114+238	11 14 32.4	23 51 33	C	0.2 X 0.2	16.5:	H	
54	1114+269	11 14 41.3	26 56 13	Sp:	0.4 X 0.2	16.3:	L	
55	1114+226	11 14 43.2	22 36 42	Sp	1.6 X 0.2	15.7	L	U6301,Z126.017,M+4-27-11
56	1114+227	11 14 56.3	22 46 2	Sp:	0.6 X 0.2	16.0:	M	
57	1114+273	11 14 59.3	27 21 46	Sp:	1.1 X 0.2	16.0:	L	U6308,K1114+273
58	1114+271	11 14 59.6	27 8 0	C:	0.4 X 0.3	15.5:	L	
59	1115+236	11 15 39.7	23 41 43	Sp:	0.3 X 0.2	15.6	L	Z126.022
60	1115+227A	11 15 41.8	22 42 36	Ic:	0.2 X 0.2	15.5	M	Z126.023
61	1115+274	11 15 42.1	27 28 30	Sk:	0.6 X 0.6	16.0:	L	K1115+274
62	1115+227B	11 15 42.6	22 45 33	Sp:	0.4 X 0.2	15.7:	M	
63	1115+229	11 15 48.0	22 59 52	C	0.2 X 0.2	17.0:	M	
64	1115+255	11 15 48.6	25 35 47	Sk:	1.3 X 0.3	15.5	L	Z126.024
65	1115+264	11 15 53.4	26 27 6	Sp	0.6 X 0.2	16.0:	L	
66	1115+237	11 15 53.4	23 44 36	Sk	0.7 X 0.7	14.4	L	U6327,N3618,Z126.025,M+4-27-14
67	1115+251	11 15 56.6	25 8 28	Sp:	0.4 X 0.3	15.7	L	Z126.026,M+4-27-15
68	1116+234	11 16 0.2	23 26 20	C	0.2 X 0.2	17.0:	L	
69	1116+228	11 16 1.0	22 51 6	Sp:	0.3 X 0.1	17.0:	L	
70	1116+253	11 16 3.4	25 23 19	C	0.2 X 0.2	17.5:	L	
71	1116+227	11 16 9.8	22 43 4	Ig:	0.4 X 0.3	15.7:	H	
72	1116+259	11 16 9.9	25 57 47	Sp:	0.4 X 0.2	17.0:	L	
73	1116+236	11 16 10.7	23 36 18	Sp	0.6 X 0.4	15.5	M	Z126.028,M+4-27-16
74	1116+264	11 16 14.8	26 25 2	Sp	0.4 X 0.3	16.3:	L	
75	1116+231	11 16 19.9	23 9 38	Sk	0.6 X 0.4	14.7	M	Z126.029,M+4-27-17
76	1116+274	11 16 28.3	27 24 18	C:	0.2 X 0.2	17.0:	L	
77	1116+274	11 16 50.7	27 28 15	Sp:	0.2 X 0.2	16.0:	L	K1116+274
78	1116+272	11 16 54.6	27 14 55	Sp:	0.7 X 0.2	16.0:	L	
79	1117+247	11 17 46.7	24 46 12	C	0.3 X 0.3	16.5:	L	
80	1117+258	11 17 47.9	25 49 35	Sp:	0.3 X 0.2	17.0:	H	
81	1117+272	11 17 52.0	27 14 14	Sk	2.0 X 1.6	12.9	L	U6352,N3629,Z156.064
82	1118+244	11 18 0.4	24 27 49	Sp	0.5 X 0.2	16.8:	L	
83	1118+246	11 18 48.6	24 40 46	Ig:	0.4 X 0.2	15.7	L	Z126.037
84	1118+238	11 18 52.9	23 49 1	Sp:	0.3 X 0.2	17.0:	M	
85	1119+267	11 19 4.8	26 43 9	Sp:	0.4 X 0.1	16.0:	L	
86	1119+277	11 19 5.4	27 47 38	C:	0.2 X 0.2	17.0:	L	K1119+277
87	1119+273	11 19 6.7	27 19 13	C:	0.2 X 0.1	16.8:	L	
88	1119+227	11 19 8.1	22 45 19	Sp	0.6 X 0.3	15.6	M	Z126.038
89	1119+250	11 19 19.4	25 3 40	Sp:	0.4 X 0.3	16.5:	L	
90	1119+261	11 19 22.8	26 11 43	Sp:	0.7 X 0.6	15.7	L	Z126.039,M+4-27-25

Table III-2h. List of KUGs (A0561-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	
91	1119+249	11 19 27.2	24 55 46	C	0.2 X 0.2	17.0:	L	
92	1119+244	11 19 43.6	24 27 30	Sp:	0.4 X 0.2	17.5:	L	
93	1120+225	11 20 4.5	22 32 8	Sp:	0.3 X 0.2	17.0:	L	
94	1120+247	11 20 8.3	24 44 51	Sp:	0.3 X 0.2	17.0:	L	
95	1120+251	11 20 9.3	25 9 35	C	0.2 X 0.2	17.5:	L	
96	1120+267	11 20 27.8	26 43 14	C:	0.2 X 0.1	17.0:	L	
97	1120+273	11 20 50.6	27 22 37	Sp	0.7 X 0.4	16.0:	L	K1120+273
98	1120+268	11 20 57.2	26 48 2	C:	0.2 X 0.2	17.5:	L	
99	1121+244	11 21 0.0	24 25 58	Sp	0.3 X 0.2	17.0:	L	
100	1121+241	11 21 20.3	24 7 26	Sp	0.6 X 0.2	16.5:	L	
101	1121+243	11 21 25.5	24 22 16	Sp	0.8 X 0.2	16.5:	L	
102	1121+261	11 21 37.9	26 6 58	Sp:	0.4 X 0.2	16.0:	L	
103	1121+236	11 21 44.6	23 36 7	Sp	0.4 X 0.2	17.0:	L	
104	1121+239	11 21 46.4	23 55 26	Sp:	0.4 X 0.3	16.8:	L	
105	1121+261	11 21 48.2	26 8 56	Sp:	0.3 X 0.1	17.0:	L	
106	1122+275A	11 22 6.1	27 35 38	Sp:	0.4 X 0.2	16.5:	L	K1122+275
107	1122+231	11 22 6.8	23 8 50	C	0.3 X 0.3	16.8:	L	
108	1122+275B	11 22 10.2	27 32 35	Sp:	0.4 X 0.1	17.0:	L	
109	1122+258	11 22 31.4	25 53 42	Sp:	0.3 X 0.1	17.0:	L	
110	1122+267	11 22 33.6	26 43 16	C	0.2 X 0.1	17.0:	L	
111	1122+230	11 22 55.2	23 5 39	Sk	0.9 X 0.8	14.6	L	Z126.050,M+4-27-34
112	1123+270	11 23 31.0	27 2 4	Sk	0.4 X 0.4	15.5	L	Z156.074,K1123+270
113	1123+263	11 23 47.7	26 21 44	Sp:	0.3 X 0.2	17.0:	L	
114	1124+226	11 24 28.3	22 36 38	?	0.3 X 0.2	17.5:	L	
115	1124+263	11 24 48.0	26 19 57	Sp:	0.3 X 0.2	16.5:	M	
116	1124+242	11 24 49.7	24 16 28	Sp:	0.2 X 0.2	17.0:	L	
117	1124+264	11 24 57.7	26 27 13	Sp:	0.2 X 0.2	16.5:	M	
118*	1125+240	11 25 1.1	24 1 58	Ig	0.7 X 0.3	15.7	M	Z126.054
119	1125+276	11 25 16.5	27 37 21	Sp	0.6 X 0.3	16.0:	L	M+5-27-74,K1125+276
120	1125+268	11 25 26.5	26 51 32	C	0.3 X 0.2	17.0:	L	
121	1125+259	11 25 32.7	25 56 12	Sk	1.2 X 0.9	12.9	L	U6467,N3689,Z126.057,M+4-27-37
122	1125+265	11 25 36.7	26 30 33	Sp:	0.3 X 0.2	17.0:	L	
123	1125+272	11 25 39.1	27 14 57	C:	0.2 X 0.2	16.0:	M	K1125+272
124	1125+231	11 25 49.2	23 8 53	Sp	0.3 X 0.2	16.5:	L	
125	1125+266	11 25 56.6	26 39 22	C:	0.3 X 0.2	17.0:	L	
126	1125+236	11 25 58.4	23 40 49	Sp	1.1 X 0.9	14.4	L	U6476,Z126.060,M+4-27-40
127	1126+223	11 26 20.8	22 22 0	Sp	0.6 X 0.2	15.1	M	Z126.065,M+4-27-46
128*	1126+256	11 26 29.5	25 41 30	Sp:	0.4 X 0.4	16.0:	M	
129	1126+230	11 26 31.5	23 2 47	Sp:	0.4 X 0.2	16.8:	L	
130	1126+264	11 26 48.0	26 29 39	C:	0.2 X 0.2	17.0:	L	
131	1126+243	11 26 51.0	24 22 8	Sk	1.9 X 0.9	14.1	L	U6493,N3701,Z126.068,M+4-27-48
132	1126+269	11 26 56.1	26 54 3	C:	0.2 X 0.2	17.0:	L	
133*	1126+240	11 26 58.7	24 0 29	Sp:	0.4 X 0.3	16.0:	M	
134	1127+224	11 27 7.6	22 24 10	Sk	0.7 X 0.6	14.9	L	U6495,Z126.069,M+4-27-49
135*	1127+240	11 27 36.6	24 4 44	Sp:	0.3 X 0.2	16.5:	M	
136	1127+232	11 27 37.7	23 16 5	Sp	0.3 X 0.1	17.0:	L	
137*	1127+272	11 27 46.7	27 16 41	Sp:	0.4 X 0.2	16.5:	L	K1127+272
138*	1127+260	11 27 49.8	26 5 30	Sp	0.4 X 0.3	15.4	M	Z126.072
139*	1127+265	11 27 51.9	26 30 3	Sp	0.4 X 0.3	15.7	L	Z156.087
140*	1127+226	11 27 51.9	22 40 19	Sp:	0.4 X 0.2	16.0:	M	
141*	1127+244	11 27 56.3	24 29 47	Sp	0.6 X 0.1	16.0:	M	
142*	1127+251	11 27 58.3	25 10 46	Sp	0.4 X 0.1	16.5:	L	
143*	1128+226	11 28 6.7	22 38 24	C	0.3 X 0.3	16.0:	M	
144*	1128+254	11 28 25.6	25 28 27	Sp:	0.4 X 0.2	15.5:	L	
145*	1128+257A	11 28 44.1	25 46 35	Sp	0.6 X 0.3	16.0:	M	
146*	1128+233	11 28 45.5	23 23 30	Sk:	2.0 X 0.2	16.0	M	U6509,M+4-27-54
147	1128+257B	11 28 47.6	25 46 43	Sp:	0.4 X 0.1	17.0:	L	
148	1128+272	11 28 57.0	27 14 13	Sp:	0.3 X 0.2	16.7:	L	
149	1128+261	11 28 58.1	26 9 58	Sp:	0.3 X 0.2	16.5:	L	
150	1129+246	11 29 0.4	24 40 7	Sp:	0.4 X 0.2	16.5:	L	

Table III-2h. List of KUGs (A0561-continued).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	
151	1129+267	11 29 7.5	26 45 3	Sk	0.8 X 0.4	15.7	L	Z156.093
152	1129+244A	11 29 20.8	24 26 56	C	0.2 X 0.2	17.0:	L	
153	1129+241	11 29 23.5	24 8 20	Sp:	0.3 X 0.2	17.0:	L	
154	1129+226B	11 29 41.5	22 41 57	C	0.2 X 0.1	17.5:	L	
155	1129+239	11 29 51.0	23 58 27	Sp:	0.4 X 0.2	17.0:	L	
156*	1129+244B	11 29 56.5	24 25 22	Sp	0.3 X 0.2	16.0:	L	
157	1129+266	11 29 59.0	26 40 53	C:	0.2 X 0.1	17.0:	L	
158	1130+253	11 30 7.6	25 19 29	Sk:	0.6 X 0.4	15.2	L	Z126.084
159	1130+252	11 30 13.0	25 14 59	Sp	0.4 X 0.2	17.0:	L	
160*	1130+249A	11 30 27.9	24 57 48	lc	0.6 X 0.4	15.7	M	Z126.085,M+4-27-60
161*	1130+249B	11 30 30.4	24 55 40	Sp	0.6 X 0.2	16.5:	L	
162*	1130+244	11 30 40.5	24 25 57	Sp	0.5 X 0.2	15.7	L	Z126.086
163*	1130+254	11 30 51.4	25 25 6	Sk:	0.6 X 0.4	15.3	L	Z126.096,M+4-27-62
164	1130+248	11 30 57.1	24 48 38	C	0.2 X 0.2	17.0:	L	
165	1131+249	11 31 1.7	24 57 39	Sp	0.5 X 0.2	15.6	L	Z126.094
166*	1131+254	11 31 3.6	25 25 16	?	0.4 X 0.2	16.0:	L	
167	1131+236	11 31 4.7	23 41 20	Sk	1.0 X 0.4	15.1	L	U6544,Z126.093,M+4-27-65
168	1131+221	11 31 5.0	22 8 27	Sp:	0.3 X 0.2	15.7:	L	
169	1131+244	11 31 10.7	24 29 54	Sp:	0.2 X 0.1	17.0:	L	
170*	1131+250	11 31 17.0	25 2 30	Pd	0.7 X 0.3	15.5:	H	
171*	1131+266	11 31 17.1	26 38 24	Sp	0.3 X 0.1	16.0:	M	
172	1131+258	11 31 24.0	25 50 29	Sp:	0.3 X 0.2	16.7:	L	
173	1131+263	11 31 46.4	26 20 58	Sp:	0.3 X 0.2	16.5:	M	

Notes on individual galaxies given in Table III-2h (A0561)

- 1107+245A : Pair with K1107+245B. Blue nucleus and bar.
1107+245B : Pair with K1107+245A. Edge-on spiral with blue knots.
1110+235 : Edge-on.
1113+236 : Star-like.
1115+255 : Patchy disk.
1115+237 : Very red nucleus.
1116+228 : Star-like image in the northeast.
1116+227 : Blue knots are scattered over the galaxy.
1116+231 : Patchy outer ring.
1117+272 : Blue knots are scattered on the disk.
1122+230 : Ring-like structure on the disk.
1125+240 : Bright blue clump in the east.
1125+268 : Knotty arms with the red nucleus.
1126+264 : A star is overlapped in the east portion.
1126+269 : A star-like knot is in the east side of the galaxy.
1127+224 : Blue arms.
1130+249A : Clumpy.
1131+250 : A blue clump is attached in the west of the galaxy (non-KUG).

Table III-2i. List of KUGs (A0638).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	1249+183	12 49 1.0	18 20 12	Sp	0.5 X 0.4	15.3	M	Z100.012,M+3-33-13,K1249+183
2	1249+189	12 49 7.8	18 55 33	Sp:	0.3 X 0.2	15.7	L	Z100.013
3	1250+216	12 50 12.1	21 41 17	C	0.1 X 0.1	17.0:	L	I3848
4	1250+177	12 50 26.9	17 43 33	Sp	0.3 X 0.2	16.5:	M	
5	1250+222	12 50 52.9	22 13 45	Sp:	0.2 X 0.2	17.0:	L	
6	1252+192	12 52 2.2	19 14 3	C	0.1 X 0.1	17.0:	L	I3872
7	1252+194	12 52 20.2	19 26 49	Sk	2.6 X 0.6	14.1	L	U8036,I3881,Z100.017,M+3-33-16
8	1252+227	12 52 20.6	22 46 22	Sp:	0.3 X 0.2	16.7:	L	I3880
9	1252+228	12 52 26.3	22 50 48	Sp:	0.3 X 0.2	16.7:	L	I3882
10	1252+199	12 52 29.5	19 57 9	Sp:	0.3 X 0.3	16.5:	L	I3884
11	1253+209	12 53 12.7	20 54 25	Sp	0.4 X 0.1	16.8:	L	I3899
12	1253+197	12 53 14.8	19 45 13	Sp	0.5 X 0.1	17.0:	L	
13	1254+185	12 54 14.0	18 30 27	C:	0.3 X 0.2	17.0:	L	
14	1254+219	12 54 16.3	21 57 11	Sp	8.4 X 4.5	8.9	L	U8062,N4826,Z130.001,M+4-31-1
15	1254+226	12 54 26.4	22 38 37	Sp	0.5 X 0.3	15.6	H	I3917(=I3918),Z130.002,K1254+226
16	1255+206	12 55 13.4	20 40 0	Sp:	0.3 X 0.2	16.8:	L	I3929
17	1255+198	12 55 29.2	19 53 12	Sp:	0.4 X 0.2	16.5:	L	I3931
18	1256+190A	12 56 38.0	19 0 19	Sp	0.2 X 0.2	16.5:	L	I3950
19	1256+190B	12 56 42.2	19 2 2	Sp	0.4 X 0.2	16.5:	L	I3951
20	1256+186	12 56 46.0	18 40 25	C	0.3 X 0.3	16.5:	L	
21	1256+191	12 56 54.7	19 6 45	C	0.2 X 0.1	17.0:	L	I3965
22	1258+199	12 58 30.1	19 57 20	Sp	0.4 X 0.3	15.7	L	I4047,Z100.021
23	1300+207	13 0 36.1	20 44 33	C	0.3 X 0.3	17.5:	L	I4113
24	1300+195	13 0 52.1	19 33 37	C:	0.2 X 0.2	16.5:	M	
25	1301+192	13 1 12.1	19 17 26	Sp	0.2 X 0.1	17.0:	L	
26	1301+204	13 1 14.0	20 29 4	Sp:	0.3 X 0.2	16.5:	L	
27	1301+225	13 1 44.6	22 33 27	Sp	0.6 X 0.3	15.5	H	I4149,8Z1301+22.6,Z130.005,K1301+225
28	1302+181	13 2 31.1	18 10 58	Sp	0.4 X 0.2	16.5:	L	
29	1302+210	13 2 41.2	21 2 18	C	0.3 X 0.2	16.7:	L	I4163
30	1303+182	13 3 21.1	18 15 8	Sp:	0.3 X 0.2	16.5:	M	
31	1303+212	13 3 22.7	21 15 45	C	0.2 X 0.2	16.8:	L	
32	1303+217	13 3 40.1	21 45 40	Sp:	0.3 X 0.3	16.8:	L	I4181
33	1304+204A	13 4 9.9	20 28 8	C	0.3 X 0.2	16.5:	L	
34	1304+204B	13 4 19.4	20 27 35	C:	0.2 X 0.2	16.5:	L	
35	1304+218	13 4 25.5	21 52 33	Sp	0.3 X 0.1	16.8:	L	
36	1305+218	13 5 31.3	21 52 53	Sp:	0.3 X 0.2	16.8:	M	
37	1305+208	13 5 34.2	20 52 42	C:	0.2 X 0.1	16.8:	L	
38	1306+213	13 6 7.9	21 18 56	Sp	1.0 X 0.4	14.9	M	I851,Z130.011,M+4-31-9
39	1306+200	13 6 47.8	20 0 2	C	0.3 X 0.2	16.7:	L	
40	1307+199	13 7 33.6	19 59 3	Sp	0.4 X 0.4	15.1	L	Z101.005
41	1307+172	13 7 44.8	17 12 6	C	0.3 X 0.2	16.0:	M	
42	1308+187	13 8 0.5	18 42 15	Sp	0.9 X 0.3	14.8	L	U8248,Z101.006
43	1308+178	13 8 7.9	17 48 34	Sp:	0.4 X 0.2	16.5:	L	
44	1308+208	13 8 15.3	20 48 8	Sk:	0.9 X 0.2	15.2	M	I856,Z130.015
45	1309+177	13 9 20.1	17 43 34	C	0.3 X 0.2	16.5:	L	
46	1310+217	13 10 39.6	21 45 25	Sp:	0.6 X 0.2	17.0:	L	
47	1311+195	13 11 10.4	19 34 49	Sp	0.4 X 0.2	16.7:	L	
48	1311+201	13 11 17.9	20 6 40	Sp:	0.3 X 0.2	16.0:	L	
49	1312+220A	13 12 6.4	22 5 17	Sp:	0.2 X 0.1	17.0:	L	
50	1312+202	13 12 7.7	20 15 36	Sp:	0.3 X 0.2	16.7:	L	
51	1312+220B	13 12 16.1	22 3 26	Sp	0.3 X 0.3	16.2:	M	

Notes on individual galaxies given in Table III-2i (A0638)

1254+219 : 'Messier 64' Black eye galaxy.

1254+226 : Very blue nuclear region.

1300+207 : A faint knot is attached in the south portion.

1304+204B : Star-like.

Table III-2j. List of KUGs (A1065).

No.	KUG-NAME	R. A. (1950.0)	DEC.	MOR. TYPE	APP. SIZE	APP. MAG.	UVX DEG.	OTHER NAME(S)
1	1110-100	11 10 2.8	- 10 1 2	Sp	0.3 X 0.2	16.5:	L	
2	1110-114	11 10 50.7	- 11 28 11	Sp:	0.3 X 0.3	16.0:	L	
3	1112-104	11 12 18.6	- 10 25 17	Sk	0.9 X 0.4	15.5:	L	
4	1116-118	11 16 0.9	- 11 51 57	Sk:	0.7 X 0.4	14.5:	L	I681,M-2-29-17
5	1117-086	11 17 47.4	- 8 41 15	C	0.3 X 0.2	16.5:	M	
6	1117-087	11 17 58.4	- 8 44 23	Pi:	1.0 X 0.9	14.7	L	N3635,M-1-29-9/N3634,M-1-29-8
7	1118-070A	11 18 5.8	- 7 1 53	Sp	0.6 X 0.4	16.0:	L	
8	1118-070B	11 18 6.9	- 7 3 1	Sp	0.4 X 0.3	16.5:	M	
9	1118-091	11 18 32.9	- 9 6 46	Sp:	0.4 X 0.3	16.5:	L	
10	1120-073	11 20 18.8	- 7 18 53	Sp	0.6 X 0.5	14.5:	L	
11	1120-078	11 20 38.0	- 7 50 0	Sp	0.5 X 0.3	15.5:	L	
12	1121-083	11 21 0.2	- 8 23 2	Sk	2.2 X 2.8	12.5	L	N3660,M-1-29-16
13	1121-095	11 21 8.3	- 9 31 16	Sp:	0.7 X 0.3	15.3:	L	I688
14	1121-119	11 21 29.4	- 11 59 6	Sp:	0.8 X 0.2	16.0:	L	
15	1122-093	11 22 50.9	- 9 18 44	Sp	0.8 X 0.7	15.0	L	M-1-29-19
16	1123-097	11 23 36.7	- 9 42 27	Sp:	0.4 X 0.4	16.5:	M	
17	1124-120	11 24 10.7	- 12 5 1	lc:	0.4 X 0.3	15.7:	L	
18	1124-106	11 24 51.2	- 10 40 42	Sk	0.8 X 0.6	15.0	L	M-2-29-31
19	1125-088	11 25 12.3	- 8 53 25	Sp	0.8 X 0.5	15.0	L	N3688,M-1-29-24
20	1126-110	11 26 12.2	- 11 0 25	Sk:	1.0 X 0.7	15.2:	L	N3696
21	1126-083	11 26 13.7	- 8 18 57	Sp	0.6 X 0.2	16.8:	L	
22	1126-097	11 26 55.9	- 9 44 41	Sk	0.8 X 0.3	16.0:	L	
23	1127-120	11 27 19.4	- 12 5 47	Sp	0.4 X 0.4	15.0	L	M-2-29-36
24	1127-078	11 27 55.5	- 7 49 39	Sp	0.5 X 0.4	15.0	L	M-1-29-27
25	1127-128	11 27 57.0	- 12 48 51	Sk	1.0 X 0.6	14.0	L	I2889,M-2-29-38
26	1128-118	11 28 6.2	- 11 48 41	Sp:	0.3 X 0.2	17.0:	L	
27	1128-093	11 28 31.1	- 9 20 34	Sk:	0.6 X 0.6	14.5:	L	
28	1130-085	11 30 6.6	- 8 32 12	Sp	0.4 X 0.2	16.5:	L	
29	1130-113	11 30 49.0	- 11 21 54	Sp:	0.3 X 0.2	16.5:	L	
30	1131-095	11 31 41.6	- 9 34 11	Sp:	1.0 X 0.8	13.5	L	N3732,M-2-30-5

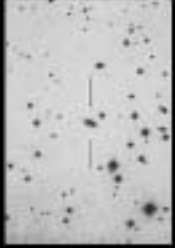
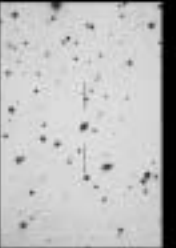
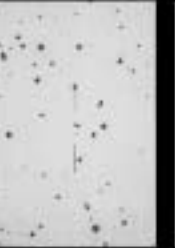
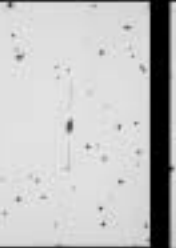
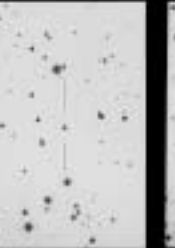

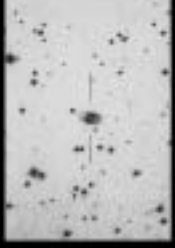
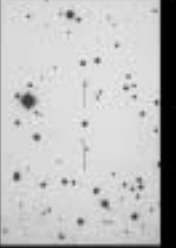

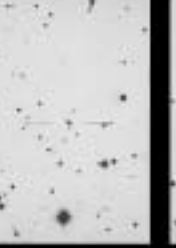


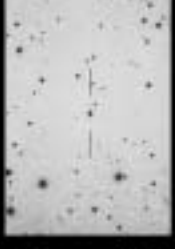
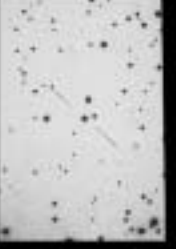

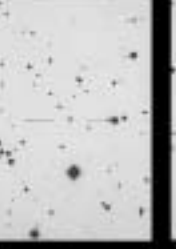


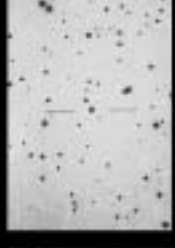
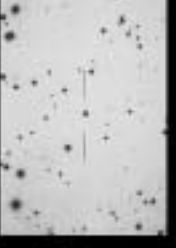





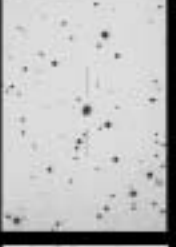



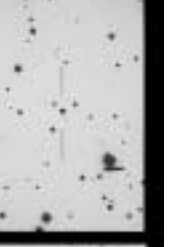

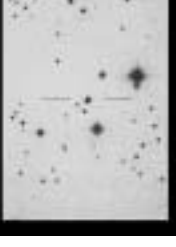




Notes on individual galaxies given in Table III-2j (A1065)

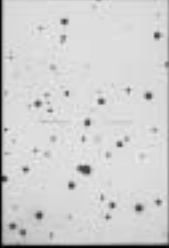



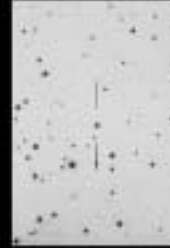

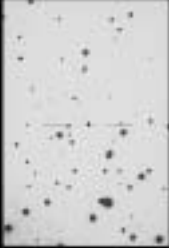












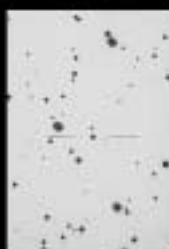

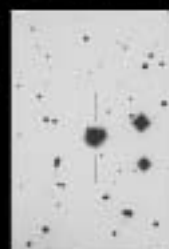


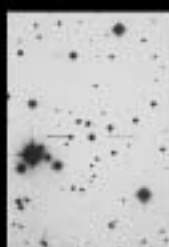





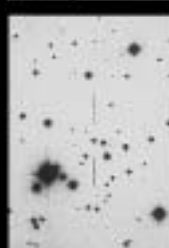

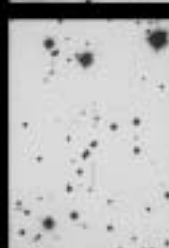



- 1117-087 : An elongated arm is in the eastern galaxy (non-KUG),
and the western galaxy (KUG) is embedded in the common envelope.
- 1121-083 : Thin blue arms + red bar.
- 1124-120 : Many clumps are scattered on the galaxy.
- 1124-106 : Thick blue arms.
- 1126-110 : Dark lane at the western side of the bulge.
- 1126-097 : A star is attached in the east.
- 1128-093 : Many blue knots are along the outer ring of the galaxy.
- 1131-095 : Enlarged bulge?



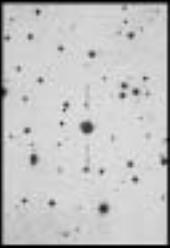
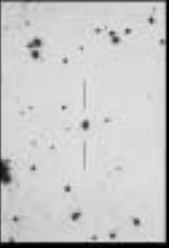
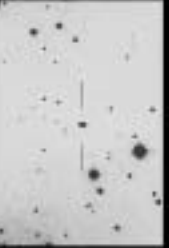




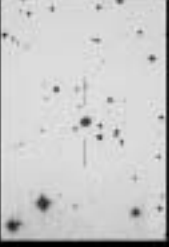






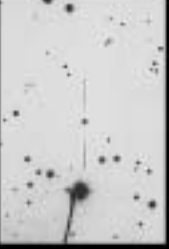




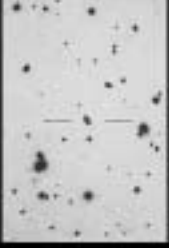

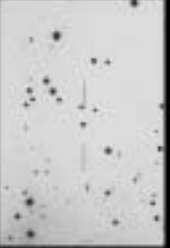

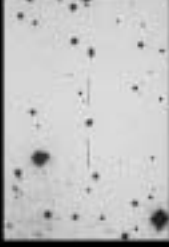










Fig. III-1. Finding Charts

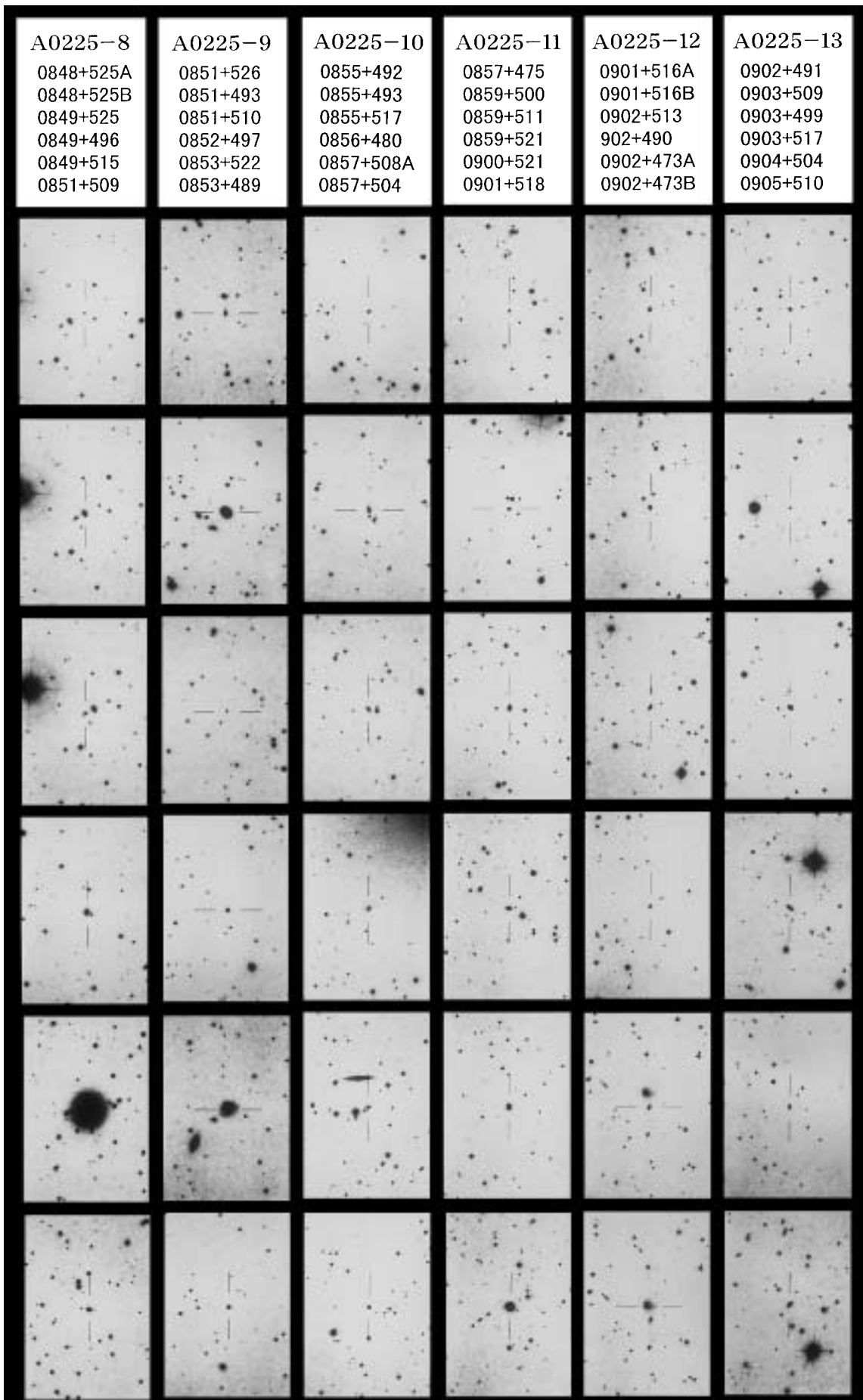
In the following pages, finding charts are shown for each KUG listed in the catalogue (table III-2). These photographs are reproduced from the Palomar Sky Survey blue prints (©1960 National Geographic Society-Palomar Sky Survey reproduced by permission of the California Institute of Technology). The chart is in magnification of 3.0 times ($0''.37/\text{mm}$), and the field of $11'.8 \times 7'.7$. The north is up, east to the left.


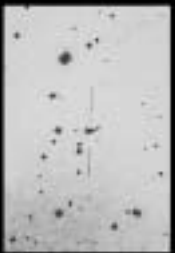






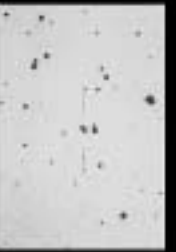






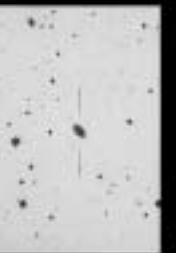









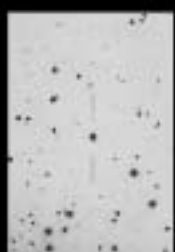
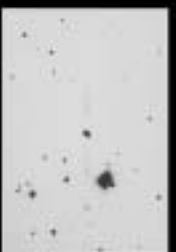






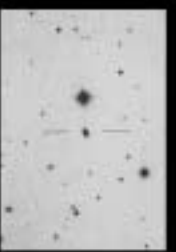


A0172-1	A0172-2	A0172-3	A0172-4	A0172-5	A0222-1
0709+551 0711+569 0712+557 0712+554 0718+565 0719+557	0723+530 0723+570 0724+525 0727+553 0728+553 0730+549	0730+560 0731+561 0733+552 0734+548 0735+556 0736+555	0739+551 0739+524 0739+571 0741+531 0744+547 0745+560	0746+554 0746+555 0747+570	0719+476 0721+495 0722+490 0723+522 0723+488 0723+522

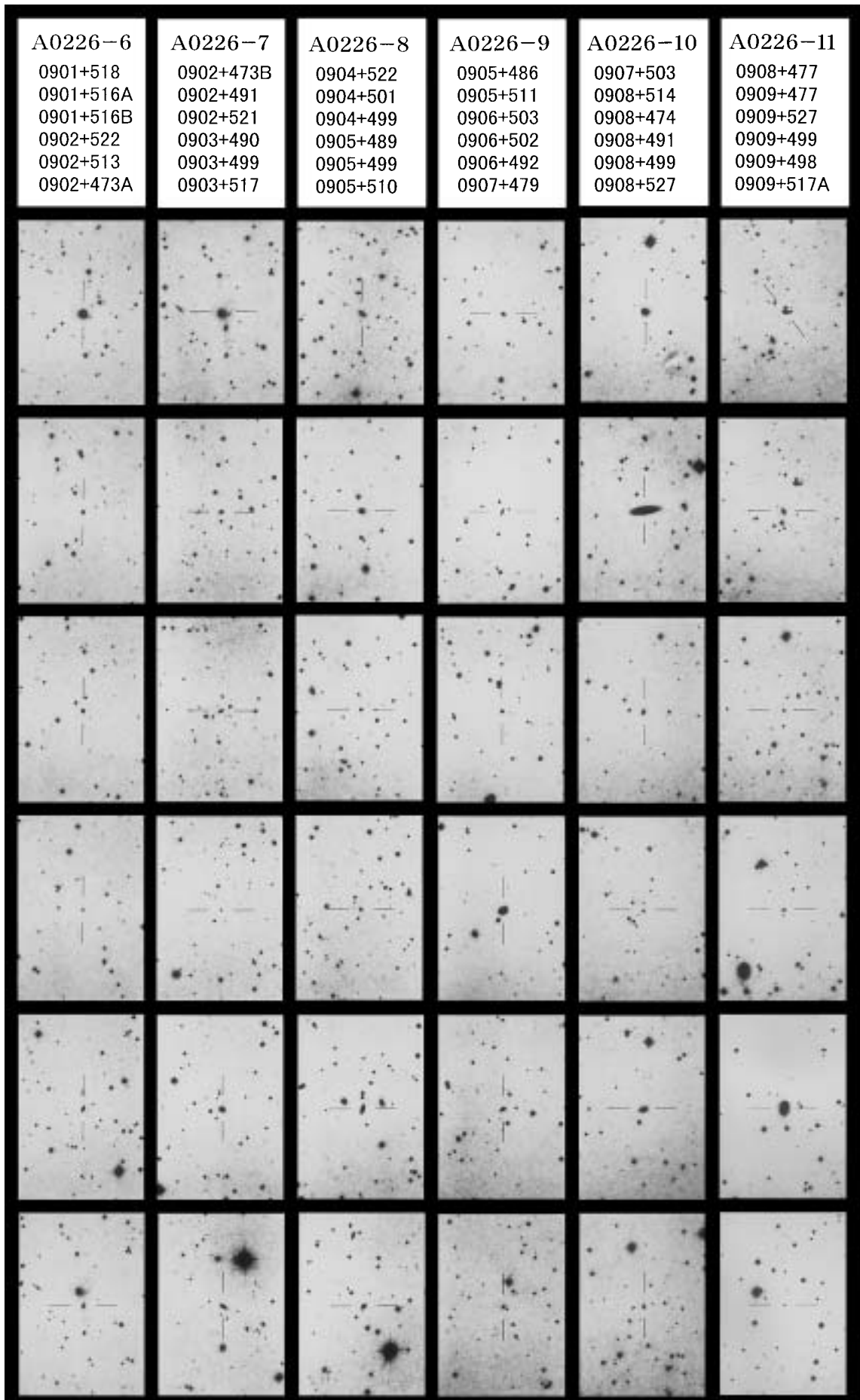
A0222-2	A0222-3	A0222-4	A0222-5	A0222-6	A0222-7
0723+483	0732+518	0736+514	0738+493	0740+482	0742+484
0725+492	0734+497	0736+525	0738+489A	0741+495	0743+523
0727+475	0735+482	0737+495	0738+489B	0741+518	0743+515
0727+524	0735+520	0737+496	0739+521	0741+472	0743+518
0730+502	0735+494	0738+511	0739+504	0742+519	0743+504
0731+514	0736+527	0738+499	0739+523	0742+506	0743+513
					
					
					
					
					
					










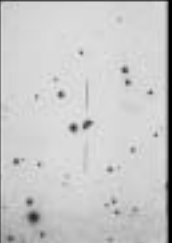
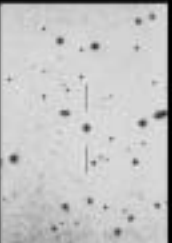













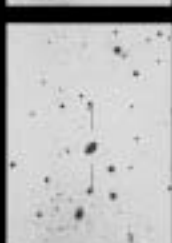





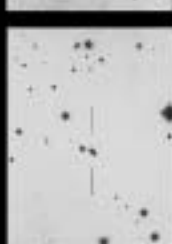


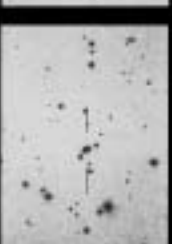
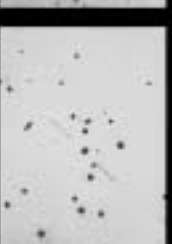
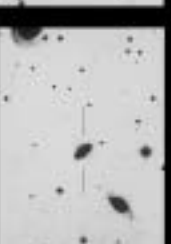
A0222-8	A0222-9	A0222-10	A0222-11	A0222-12	A0225-1
0743+479 0743+480 0744+483 0744+502 0744+479A 0744+479B	0744+500 0744+496 0745+498 0745+502 0746+501 0747+484	0747+505 0747+483 0748+479 0750+525 0750+499 0751+498	0751+485 0752+502 0753+507 0753+497 0753+500 0755+505	0755+524	0832+506 0832+526A 0832+526B 0832+505 0833+475 0833+479
					
					
					
					
					
					



































A0225-2	A0225-3	A0225-4	A0225-5	A0225-6	A0225-7
0833+522	0838+477	0842+527	0844+514	0846+496	0848+492
0837+495	0837+484	0842+486	0844+474	0846+504	0848+526A
0837+496	0839+515	0842+492	0845+504	0846+498	0848+526B
0837+511	0841+495	0842+475	0845+510	0847+502	0848+494
0838+509A	0841+494	0842+485	0845+494	0847+491	0848+493
0838+509B	0841+524	0843+514	0845+499	0848+513	0848+489
					
					
					
					
					
					





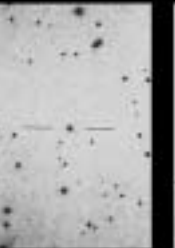

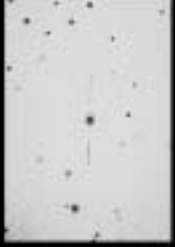


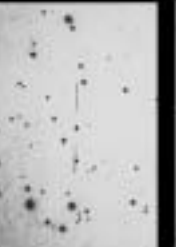








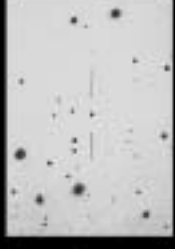

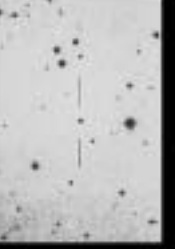
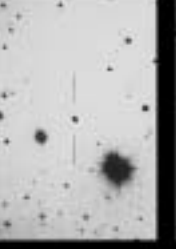
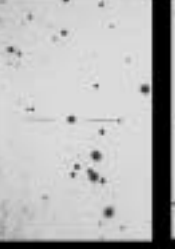








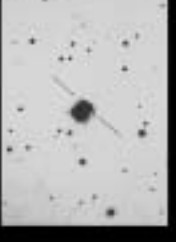


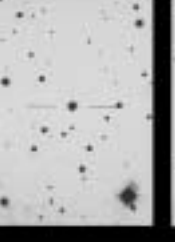





















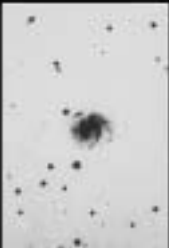

















A0225-14 0906+515	A0226-1 0854+498 0854+490A 0854+490B 0855+520 0855+527 0855+493	A0226-2 0855+478 0855+517 0856+480 0856+501 0856+499 0856+522	A0226-3 0857+481 0857+508A 0857+514 0857+508B 0857+504 0857+528	A0226-4 0857+479 0858+495 0858+516 0859+495 0859+511 0859+521	A0226-5 0859+497 0900+514 0900+497 0900+522 0900+512 0900+521
					
					
					
					
					
					

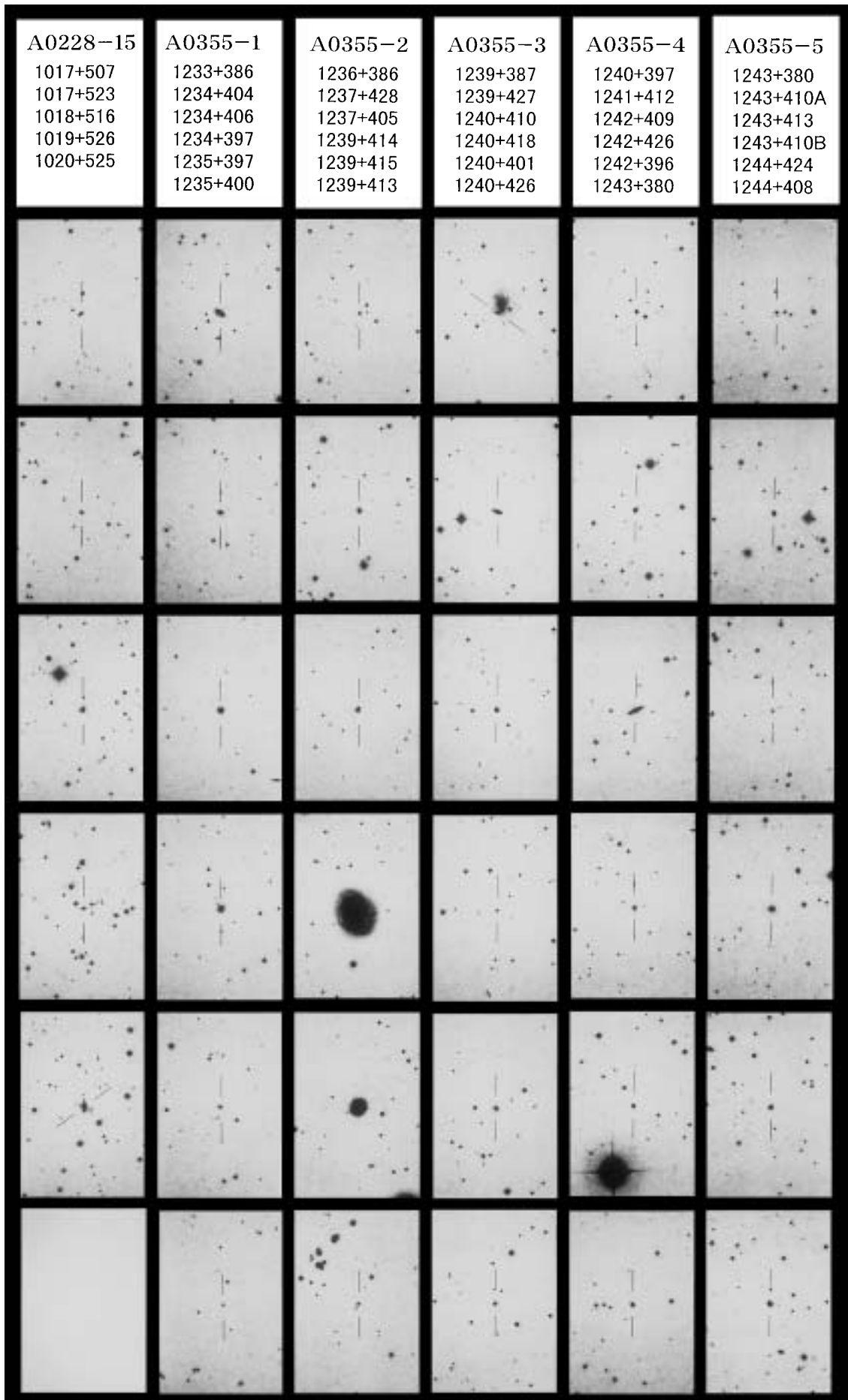


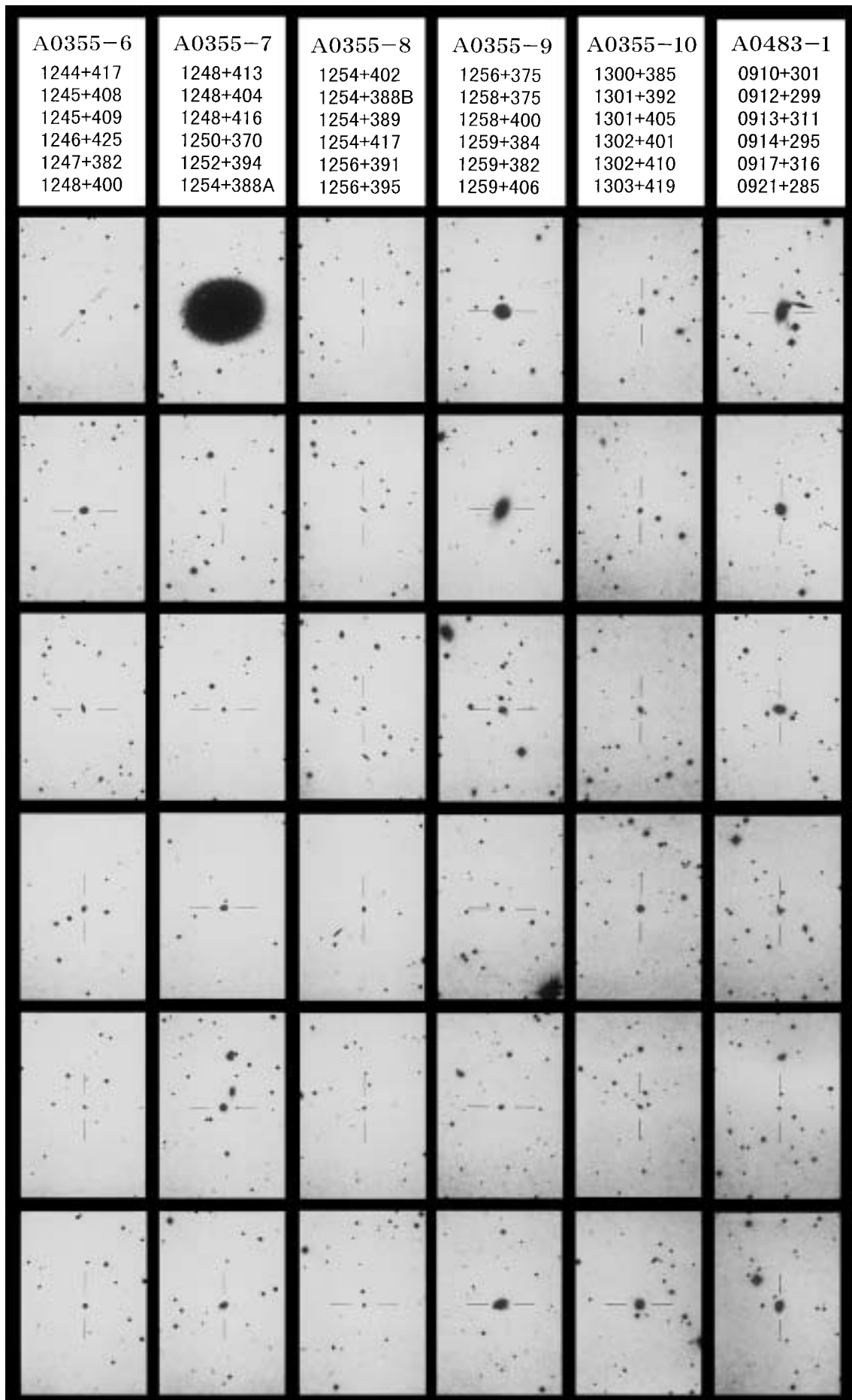
A0226-12	A0226-13	A0226-14	A0226-15	A0226-16	A0226-17
0909+517B 0909+509 0910+479 0910+503 0910+524A 0910+496	0910+524B 0911+479 0911+501 0911+515 0912+496 0912+477	0913+520 0913+475 0913+502 0914+481 0915+515A 0915+515B	0915+514 0915+501 0915+491 0915+499 0916+510 0916+484	0916+515 0918+526A 0918+526B 0918+483 0918+493A 0918+509	0918+493B 0919+474 0919+509 0920+494A 0920+502 0920+494B
					
					
					
					
					
					







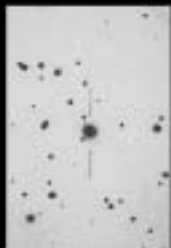


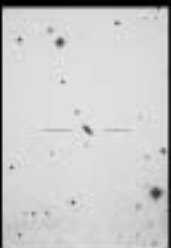




















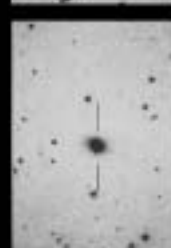





A0226-18	A0226-19	A0226-20	A0226-21	A0228-1	A0228-2
0921+519 0921+483 0921+485 0922+526A 0922+526B 0922+507	0923+483 0923+473 0923+518 0923+511 0924+475 0924+487	0924+483 0924+487A 0924+487B 0925+510 0927+499 0927+478	0927+507 0927+493	0945+494 0945+476 0945+475 0946+487 0947+476 0947+475	0947+487 0947+474 0948+492 0949+524 0949+483 0950+477
					
					
					
					
					
					
















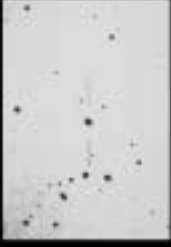
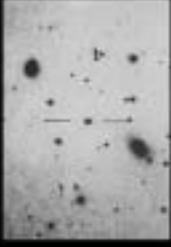



A0228-3	A0228-4	A0228-5	A0228-6	A0228-7	A0228-8
0950+494	0953+506	0956+524	0959+512	1000+478	1002+502
0950+526	0953+476	0956+475	1000+512	1001+495	1002+515
0952+513	0954+520	0956+500	1000+496	1001+511	1002+524
0952+517	0955+479	0957+474	1000+503	1001+509	1002+490
0952+519	0955+517	0958+490	1000+508	1001+490	1003+488
0952+476	0955+512	0959+521	1000+479	1002+518	1004+472
					
					
					
					
					
					















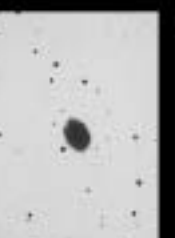





















A0228-9	A0228-10	A0228-11	A0228-12	A0228-13	A0228-14
1004+486 1004+506 1004+503 1004+520 1005+488 1005+507	1006+506 1006+492 1006+500 1007+471 1007+482 1008+508	1008+509 1008+510 1008+519 1009+504 1009+499 1010+495	1010+500 1010+503 1011+489 1012+497 1012+496A 1012+496B	1013+492 1013+470 1013+498 1014+518 1014+492 1014+516	1014+506 1015+507 1015+506 1015+491 1016+493 1017+518
					
					
					
					
					
					






















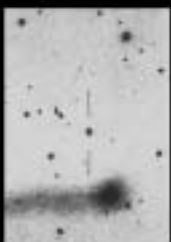





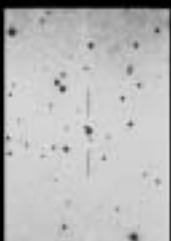



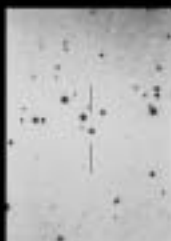




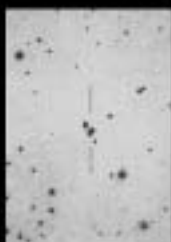



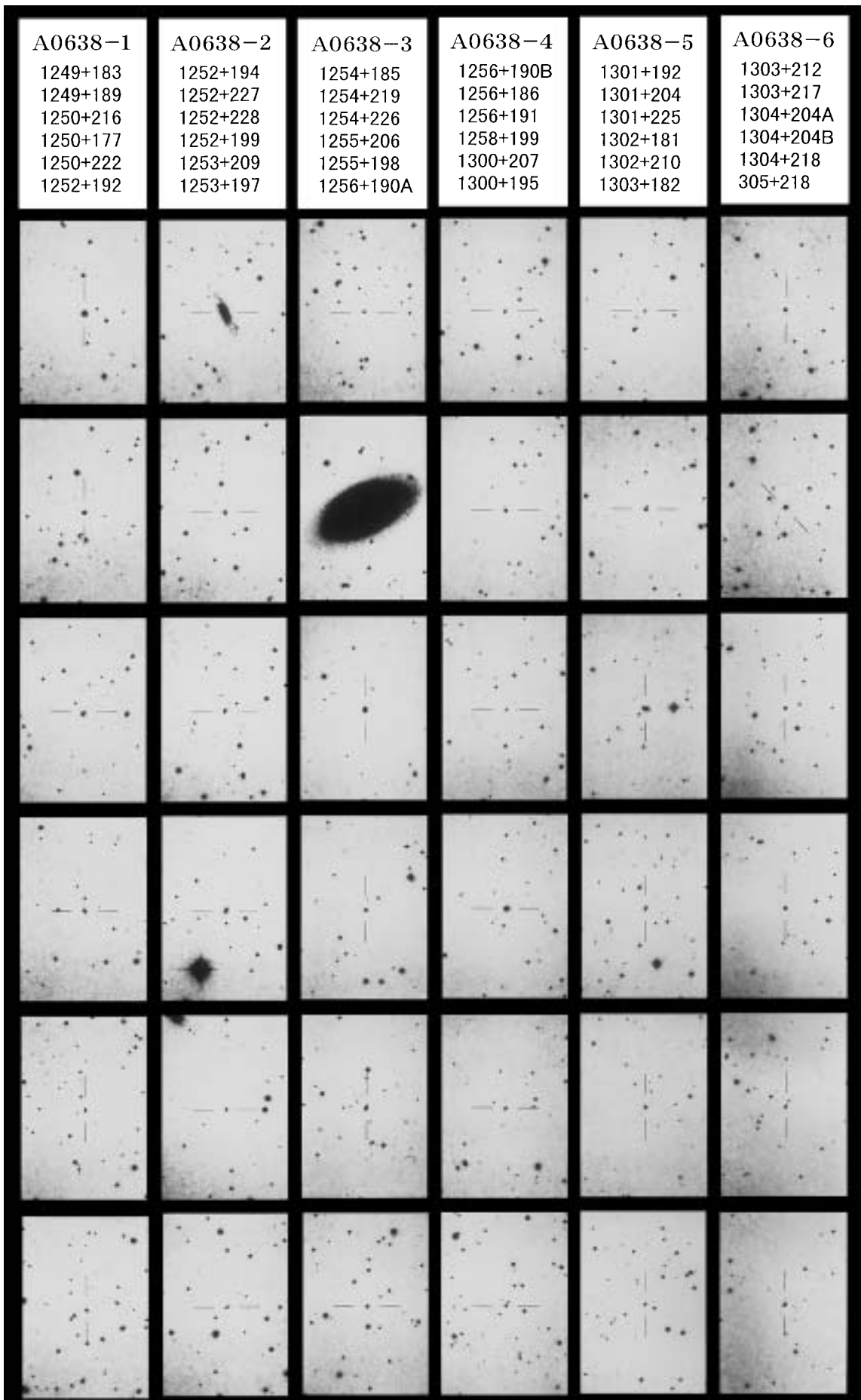
A0483-2	A0561-1	A0561-2	A0561-3	A0561-4	A0561-5
0924+306	1107+245A	1108+244	1108+264B	1110+257	1110+256A
0924+302	1107+245B	1108+236	1109+238	1110+235A	1110+256B
0925+302	1107+236	1108+244	1109+275	1110+271	1110+234
0925+299	1107+224	1108+265	1109+231	1110+235B	1110+235
0931+322	1108+245	1108+264A	1109+232	1110+224	1111+227
0932+319	1108+273	1108+224	1109+245	1110+261	1111+230
					
					
					
					
					
					

A0561-6	A0561-7	A0561-8	A0561-9	A0561-10	A0561-11
1111+260 1111+252 1111+243 1111+275 1111+270 1111+236A	1111+246 1111+237 1111+256 1111+236B 1111+227 1112+275	1112+260 1112+257 1112+236A 1112+236B 1113+238 1113+237	1113+236 1114+278 1114+234 1114+261 1114+238 1114+269	1114+226 1114+227 1114+273 1114+271 1115+236 1115+227A	1115+274 1115+227B 1115+229 1115+255 1115+264 1115+237
					
					
					
					
					
					

A0561-12	A0561-13	A0561-14	A0561-15	A0561-16	A0561-17
1115+251 1116+234 1116+228 1116+253 1116+227 1116+259	1116+236 1116+264 1116+231 1116+274 1116+274 1116+272	1117+247 1117+258 1117+272 1118+244 1118+246 1118+238	1119+267 1119+277 1119+273 1119+227 1119+250 1119+261	1119+249 1119+244 1120+225 1120+247 1120+251 1120+267	1120+273 1120+268 1121+244 1121+241 1121+243 1121+261
					
					
					
					
					
					

A0561-18	A0561-19	A0561-20	A0561-21	A0561-22	A0561-23
1121+236 1121+239 1121+261 1122+275A 1122+231 1122+275B	1122+258 1122+267 1122+230 1123+270 1123+263 1124+226	1124+263 1124+242 1124+264 1125+240 1125+276 1125+268	1125+259 1125+265 1125+272 1125+231 1125+266 1125+236	1126+223 1126+256 1126+230 1126+264 1126+243 1126+269	1126+240 1127+224 1127+240 1127+232 1127+272 1127+260

A0561-24	A0561-25	A0561-26	A0561-27	A0561-28	A0561-29
1127+265 1127+226 1127+244 1127+251 1128+226 1128+254	1128+257A 1128+233 1128+257B 1128+272 1128+261 1129+246	1129+267 1129+244A 1129+241 1129+226B 1129+239 1129+244B	1129+266 1130+253 1130+252 1130+249A 1130+249B 1130+244	1130+254 1130+248 1131+249 1131+254 1131+236 1131+221	1131+244 1131+250 1131+266 1131+258 1131+263
					
					
					
					
					
					



A0638-7	A0638-8	A0638-9	A1065-1	A1065-2	A1065-3
1305+208 1306+213 1306+200 1307+199 1307+172 1308+187	1308+178 1308+208 1309+177 1310+217 1311+195 1311+201	1312+220A 1312+202 1312+220B	1110-100 1110-114 1112-104 1116-118 1117-086 1117-087	1118-070A 1118-070B 1118-091 1120-073 1120-078 1121-083	1121-095 1121-119 1122-093 1123-097 1124-120 1124-106
