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Table 2. Coordinates, Velocities and Magnitudes of Emission–Line Galaxies

1c#	1cName	1cα (1950)	1cδ (1950)	1cv_0^a	1rm$_B$	1cM$_B^b$	1cType	1lOther names from NED
	1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)	1c (7)	1c (8)
	HS 0714+4301	$07^h14^m01.1^s$	$43°01'46''$	19221 ± 30	16.9	–20.14	SBN	NPM1G +43.0099
	HS 0721+4041	07 21 37.1	40 41 33	10230 ± 17	17.8	–17.87	BCG	
	HS 0735+3512	07 35 41.8	35 12 29	8775 ± 28	17.6	–17.74	BCG	
	HS 0736+4429	07 36 46.5	44 29 16	14769 ± 28	17.1	–19.37	SBN	
	HS 0737+4011	07 37 29.0	40 11 11	12471 ± 20	15.8	–20.30	BCG?	IRAS F07374+4011
	HS 0748+4550	07 48 43.9	45 50 12	6931 ± 22	19.0	–15.83	BCG	
	HS 0752+5012	07 52 53.3	50 12 08	29280 ±396	18.6	–19.36	SBN?	
	HS 0755+4759	07 55 20.7	47 59 05	6811 ± 12	18.5	–16.29	BCG	
	HS 0758+3738	07 58 23.1	37 38 24	44754 ± 32	19.4	–19.48	LINER?	
	HS 0758+3831	07 58 19.9	38 31 26	11368 ± 24	19.0	–16.90	BCG	NPM1G +45.0117
	HS 0811+4544	08 11 53.3	45 44 17	5995 ± 12	17.8	–16.71	BCG	
	HS 0811+4913	08 11 08.7	49 13 19	763 ± 12	18.6	–11.44	SA in SpG	
	HS 0814+4325	08 14 34.0	43 25 52	7190 ± 33	17.4	–17.51	BCG	NPM1G +43.0114
	HS 0817+4600	08 17 35.5	46 00 26	11324 ± 100	17.4	–18.49	SBN?	
	HS 0821+3916	08 21 35.3	39 16 24	8166 ± 23	17.8	–17.38	BCG	
	HS 0822+3542	08 22 43.0	35 42 22	706 ± 12	18.2	–11.67	BCG	
	HS 0830+4330	08 30 20.4	43 30 06	12355 ± 19	17.7	–18.38	BCG	
	HS 0837+4717	08 37 00.6	47 17 49	12830 ± 19	18.2	–17.97	BCG	PC 0837+4717
	HS 0843+4837	08 43 00.2	48 37 53	15060 ± 18	17.0	–19.51	SBN	UGC 04580
	HS 0845+3609	08 45 41.4	36 09 26	7817 ± 12	19.1	–15.99	BCG	
	HS 0846+3522	08 46 31.4	35 22 50	2481 ± 19	19.0	–13.60	BCG	
	HS 0851+4118	08 51 14.8	41 18 38	7233 ± 22	19.0	–15.92	BCG	
	HS 0904+3909	09 04 03.9	39 09 06	2727 ± 54	15.5	–17.30	BCG	
	HS 0907+3729	09 07 15.2	37 29 56	9329 ± 31	17.5	–17.97	BCG	
	HS 0908+3801	09 08 35.8	38 01 40	8053 ± 28	19.3	–15.85	BCG	
	HS 0910+4515	09 10 05.5	45 15 25	9971 ± 45	16.0	–19.62	SBN?	KUG 0910+452
	HS 0910+5011	09 10 33.2	50 11 55	10452 ± 18	18.3	–17.42	BCG	
	HS 0916+4450	09 16 42.4	44 50 00	3832 ± 43	17.9	–15.64	BCG	
	HS 0916+4603	09 16 26.7	46 03 20	8160 ± 12	17.4	–17.78	BCG	
	HS 0916+4605	09 16 07.6	46 05 47	9641 ± 33	17.6	–17.95	BCG?	
	HS 0916+4958	09 16 33.1	49 58 17	12748 ± 26	18.4	–17.75	BCG	
	HS 0921+4644	09 21 26.8	46 44 11	4495 ± 25	17.3	–16.59	BCG	
	HS 0924+3821	09 24 59.9	38 21 01	18002 ± 12	18.5	–18.40	BCG	
	HS 0925+4654	09 25 54.0	46 54 54	4818 ± 50	17.4	–16.64	BCG	
	HS 0927+4018	09 27 46.3	40 18 04	6313 ± 22	19.3	–15.33	BCG	
	HS 0928+4302	09 28 45.4	43 02 12	4365 ± 33	17.6	–16.22	BCG	
	HS 0932+4800	09 32 52.6	48 00 46	7662 ± 36	18.2	–16.85	BCG	
	HS 0935+4332	09 35 23.5	43 32 00	5062 ± 29	18.3	–15.85	BCG	
	HS 0935+4931	09 35 04.5	49 31 49	9407 ± 33	17.9	–17.59	BCG	
	HS 0937+4822	09 37 26.8	48 22 11	11067 ± 12	19.1	–16.74	BCG	
	HS 0940+4025	09 40 30.5	40 25 04	5591 ± 29	18.7	–15.66	BCG	
	HS 0941+4815	09 41 06.5	48 15 17	10362 ± 12	18.2	–17.50	BCG	[CDS90] 038
	HS 0944+4152	09 44 11.7	41 52 11	1233 ± 19	18.9	–12.18	BCG	
	HS 0945+4311	09 45 01.8	43 11 09	5030 ± 25	18.2	–15.93	BCG	US 0982
	HS 0952+4148	09 52 40.9	41 48 43	5056 ± 18	17.0	–17.14	BCG	KUG 0952+418

Table 2. (Continued)

1c#	1cName	1cα (1950)	1cδ (1950)	1cv_0^a	1rm$_B$	1cM$_B{}^b$	1cType	1lOther names from NED
	1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)	1c (7)	1c (8)
	HS 0957+4711	$09^h57^m07.4^s$	$47°11'33''$	11503 ± 17	17.7	–18.23	BCG	
	HS 1000+4519	10 00 41.9	45 19 29	2770 ± 12	17.7	–15.14	BCG	
	HS 1013+3809	10 13 27.7	38 09 43	1198 ± 12	15.7	–15.32	BCG	KUG 1013+381
	HS 1014+4303	10 14 29.5	43 03 50	4117 ± 12	17.9	–15.80	BCG	
	HS 1022+4903	10 22 15.1	49 03 20	7167 ± 37	17.1	–17.80	BCG	
	HS 1033+4757	10 33 24.6	47 57 26	1456 ± 26	18.5	–12.94	BCG	
	HS 1035+4758	10 35 25.7	47 58 11	1596 ± 30	16.4	–15.24	BCG	NPM1G +47.0175
	HS 1037+4757	10 37 30.5	47 57 38	10449 ± 37	18.5	–17.22	BCG	
	HS 1041+4057	10 41 59.2	40 57 15	12318 ± 12	17.0	–19.08	BCG	
	HS 1046+4807	10 46 43.0	48 07 46	8279 ± 50	18.1	–17.11	BCG	
	HS 1047+4755	10 47 25.6	47 55 45	7979 ± 106	18.4	–16.73	NON	
	HS 1048+4700	10 48 13.6	47 00 13	11776 ± 28	17.5	–18.48	BCG	
	HS 1050+4346	10 50 36.7	43 46 24	7320 ± 54	16.0	–18.95	BCG	KUG 1050+437
	HS 1056+5026	10 56 32.8	50 26 23	8559 ± 19	18.5	–16.79	BCG	
	HS 1057+4632	10 57 23.8	46 32 21	9596 ± 31	16.5	–19.04	Sy	
	HS 1102+4120	11 02 52.7	41 20 42	2988 ± 15	17.5	–15.50	BCG?	CG1370; KUG 1102+413
	HS 1102+5009	11 02 45.3	50 09 53	8218 ± 39	18.1	–17.10	BCG	
	HS 1103+4314	11 03 02.5	43 14 20	6424 ± 35	17.5	–17.16	BCG	CG1372
	HS 1103+4346	11 03 40.0	43 46 52	6416 ± 33	17.2	–17.46	BCG	CG1377
	HS 1103+4854	11 03 34.8	48 54 21	7339 ± 45	17.1	–17.85	BCG	MKN163
	HS 1110+4430	11 10 59.9	44 30 58	8401 ± 18	18.1	–17.15	BCG	CG1398
	HS 1111+4434	11 11 09.2	44 34 53	13446 ± 18	19.2	–17.07	BCG	
	HS 1111+5005	11 11 12.7	50 05 27	2352 ± 12	18.7	–13.78	BCG	
	HS 1116+4644	11 16 55.6	46 44 30	14976 ± 37	18.7	–17.80	BCG?	
	HS 1117+4718	11 17 29.2	47 18 03	5215 ± 12	17.7	–16.51	BCG	
	HS 1117+4722	11 17 36.5	47 22 23	7366 ± 17	17.1	–17.86	DANS?	
	HS 1117+4744	11 17 43.9	47 44 48	4591 ± 31	18.5	–15.43	BCG	
	HS 1123+4335	11 23 45.5	43 35 06	7182 ± 33	17.2	–17.71	BCG	
	HS 1123+4716	11 23 01.9	47 16 29	10149 ± 60	16.5	–19.16	BCG	MKN168
	HS 1127+4400	11 27 57.8	44 00 31	10075 ± 20	18.5	–17.14	BCG	CG1434
	HS 1127+4823	11 27 44.8	48 23 10	8285 ± 15	16.3	–18.92	BCG	MKN173
	HS 1132+4416	11 32 11.9	44 16 49	5573 ± 22	17.5	–16.86	BCG	
	HS 1138+4251	11 38 59.0	42 51 14	10554 ± 26	18.9	–16.84	BCG	
	HS 1139+4343	11 39 31.3	43 43 22	7322 ± 48	19.1	–15.85	BCG	
	HS 1148+4831	11 48 12.8	48 31 44	891 ± 84	17.0	–13.37	BCG	MKN 1460
	HS 1151+4838	11 51 38.0	48 38 26	7531 ± 33	18.7	–16.31	BCG	
	HS 1154+4526	11 54 27.3	45 26 12	7273 ± 21	19.3	–15.63	BCG	
	HS 1159+4812	11 59 15.6	48 12 52	13599 ± 32	20.0	–16.29	BCG	
	HS 1203+4432	12 03 24.7	44 32 14	12917 ± 39	18.5	–17.68	BCG	
	HS 1207+4037	12 07 29.1	40 37 14	10945 ± 39	18.2	–17.62	BCG	CG1525
	HS 1208+4902	12 08 02.5	49 02 29	11846 ± 28	20.3	–15.69	BCG	
	HS 1235+4047	12 35 36.6	40 47 36	18083 ± 87	17.5	–19.41	BCG?	
	HS 1242+4058B	12 42 18.1	40 58 53	5217 ± 42	19.0	–15.21	BCG	
	HS 1242+4434	12 42 45.9	44 34 13	9455 ± 12	19.0	–16.50	BCG?	
	HS 1249+4152	12 49 00.0	41 52 52	5757 ± 33	19.5	–15.21	BCG	
	HS 1249+4948	12 49 36.6	49 48 32	11928 ± 12	17.9	–18.11	BCG	
	HS 1326+4411	13 26 34.2	44 11 18	8379 ± 15	16.5	–18.74	BCG	MKN259
	HS 1342+4210	13 42 52.1	42 10 06	3780 ± 13	18.3	–14.96	BCG	
	HS 1346+4152	13 46 53.3	41 52 50	2417 ± 38	19.0	–13.54	BCG	

Table 2. (Continued)

1c#	1cName	1cα (1950)	1cδ (1950)	1cv_0^a	1rm$_B$	1cM$_B^b$	1cType	1lOther names from NED
1c (1)	1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)	1c (7)	1c (8)
	HS 1356+4159	$13^h56^m45.8^s$	$41°59'34''$	12786 ± 25	17.9	−18.26	BCG?	
	HS 1412+4642	14 12 56.5	46 42 55	34819 ± 99	17.7	−20.63	SBN	
	HS 1429+4511	14 29 45.9	45 11 41	9585 ± 70	18.0	−17.53	SBN	
	HS 1441+4635	14 41 38.8	46 35 36	3150 ± 99	17.3	−15.82	BCG	PC 1441+4635
	HS 1442+4250	14 42 17.9	42 50 13	780 ± 42	16.0	−14.09	BCG	UGC 09497
	HS 1444+4913	14 44 49.5	49 13 07	11205 ± 87	17.3	−18.57	BCG	CG916
	HS 1453+4731	14 53 23.2	47 31 12	15883 ± 48	16.6	−20.03	SBN	CG579
	HS 1454+4536	14 54 31.7	45 36 23	10904 ± 12	16.5	−19.31	SBN?	CG583
	HS 1457+4458B	14 57 25.8	44 58 20	11093 ± 98	17.0	−18.85	SBN	
	HS 1457+4458A	14 57 26.3	44 58 34	11301 ± 48	17.0	−18.89	BCG	CG597
	HS 1500+4535	15 00 39.4	45 35 37	20348 ± 79	17.1	−20.07	LINER	NPM1G +45.0316
	HS 1510+5019	15 10 15.8	50 19 37	9705 ± 54	17.2	−18.36	BCG	CG656
	HS 1522+4214	15 22 23.3	42 14 40	5501 ± 82	17.1	−17.23	SBN	CG702
	HS 1528+4140	15 28 31.7	41 40 00	5799 ± 49	18.7	−15.74	BCG	CG740
	HS 1542+4116	15 42 47.0	41 16 29	9327 ± 13	19.1	−16.37	BCG	
	HS 1544+4736	15 44 28.0	47 36 20	5552 ± 12	18.0	−16.35	BCG	
	HS 1558+4158	15 58 35.9	41 58 36	7070 ± 13	18.7	−16.17	BCG	
	HS 1559+4201	15 59 27.3	42 01 11	7192 ± 12	15.8	−19.11	BCG	
	HS 1604+4127	16 04 07.7	41 27 50	1667 ± 28	18.4	−13.33	BCG	
	HS 1606+4345	16 06 33.7	43 45 44	8512 ± 24	18.4	−16.87	BCG	
	HS 1608+4202	16 08 54.6	42 02 04	11423 ± 12	18.4	−17.51	BCG	
	HS 1610+4539	16 10 41.0	45 39 36	5915 ± 14	17.7	−16.78	BCG	
	HS 1614+4709	16 14 54.3	47 09 21	761 ± 12	16.9	−13.13	BCG?[c]	
	HS 1625+4031	16 25 25.2	40 31 39	8372 ± 12	19.2	−16.04	BCG	
	HS 1627+4254	16 27 12.4	42 54 50	9321 ± 13	17.4	−18.07	BCG?	CGPG 1627.2+4254
	HS 1643+4015	16 43 39.1	40 15 07	11590 ± 12	17.4	−18.55	BCG?	
	HS 1645+4025	16 45 54.6	40 25 18	8451 ± 12	18.7	−16.56	BCG	
	HS 1645+4137	16 45 07.6	41 37 28	9679 ± 12	18.3	−17.25	BCG	
	HS 1646+4437	16 46 30.3	44 37 51	4551 ± 43	16.7	−17.22	BCG	
	HS 1652+4420	16 52 45.8	44 20 02	5048 ± 13	17.4	−16.74	BCG	
	HS 1704+4332	17 04 13.2	43 32 47	2076 ± 25	18.1	−14.11	BCG	
	HS 1704+4340	17 04 17.5	43 40 54	10416 ± 16	18.6	−17.11	BCG	
	HS 1717+4955	17 17 30.3	49 55 51	1039 ± 18	17.7	−13.01	BCG?	
	HS 1720+4412	17 20 07.5	44 12 29	8506 ± 12	18.0	−17.27	BCG	

[a] Heliocentric velocities.
[b] Absolute magnitudes are not corrected for the Galaxy extinction.
[c] Probable companion of dwarf spiral UGC 10310≡Arp 2

Table 3. Coordinates, Redshifts and Magnitudes of the new QSOs

1cName	1cα (1950)	1cδ (1950)	1c$z^{\,a}$	1cm_B	1cDetected Emission Lines
1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)
HS 0746+4200	$07^h46^m00.7^s$	$42°00\,'15''$	3.105	18.1	Lyα 1216 Å, CIV 1549 Å
HS 0750+4038	07 50 01.8	40 38 27	2.928	18.3	Lyα 1216 Å, CIV 1549 Å
HS 0857+4227	08 57 16.5	42 27 31	3.294	17.7	Lyα 1216 Å, SiIV/OIV] 1400 Å, CIV 1549 Å
HS 0911+4809	09 11 46.9	48 09 26	3.347	18.4	Lyα 1216 Å
HS 1022+4601	10 22 59.2	46 01 32	3.050	19.5	Lyα 1216 Å
HS 1224+4502	12 24 57.5	45 02 56	3.281	18.8	Lyα 1216 Å

[a] Observed redshift.

Table 4. Parameters of Emission Lines of Galaxies

#	Name (1)	F(Hβ)^a (2)	$\frac{F(\lambda3727)}{F(H\beta)}$ (3)	$\frac{F(\lambda5007)}{F(H\beta)}$ (4)	$\frac{F(H\alpha)}{F(H\beta)}$ (5)	$\frac{F(\lambda6583)}{F(H\alpha)}$ (6)	$\frac{F([SII])}{F(H\alpha)}$ (7)	W$_{\lambda3727}$(Å) (8)	W$_{H\beta}$(Å) (9)	W$_{\lambda5007}$(Å) (10)
	HS 0714+4301*	19	1.87	0.98	10.10	–	–	18	6	6
	HS 0721+4041	199	2.10	4.31	4.65	0.07	–	65	36	166
	HS 0735+3512	90	0.58	7.21	5.18	0.05	0.08	72	172	1304
	HS 0736+4429	18	–	1.97	8.71	0.19	–	–	5	11
	HS 0737+4011	126	2.74	3.39	4.92	0.11	–	67	23	79
	HS 0748+4550	$^+$260	–	–	–	0.07	0.13	–	$^+$232	120
	HS 0752+5012	25:	–	–	–	–	–	–	12:	–
	HS 0755+4759	63	2.51	3.63	–	–	–	107	72	232
	HS 0758+3738	$^+$43	–	–	–	0.75	–	–	–	11
	HS 0758+3831	61	1.66	5.50	3.77	0.04	0.09	87	53	283
	HS 0811+4544	190	2.35	3.86	3.46	–	–	62	39	133
	HS 0811+4913	99	–	7.37	3.59	–	–	–	168	1317
	HS 0814+4325	102	1.48	2.28	5.28	0.13	0.20	31	17	41
	HS 0817+4600*	$^+$106	–	–	–	0.29	–	–	$^+$56	9
	HS 0821+3916	98	0.90	6.07	4.43	0.05	0.10	57	68	419
	HS 0822+3542	104	–	4.26	4.52	0.01	–	4	178	817
	HS 0830+4330	72	3.91	3.72	3.71	0.07	–	62	39	160
	HS 0837+4717	364	0.33	5.82	3.10	–	–	35	184	989
	HS 0843+4837*	10	–	3.35	3.66	–	–	–	9	26
	HS 0845+3609	15	–	10.22	4.92	0.01	0.06	–	26	369
	HS 0846+3522	33	–	5.72	2.66	0.04	0.09	–	109	733
	HS 0851+4118	63	2.01	5.99	3.39	–	0.28	36	36	233
	HS 0904+3909	47	4.29	4.29	4.38	0.06	0.22	58	12	53
	HS 0907+3729	30	1.52	6.05	3.73	0.06	0.27	29	25	160
	HS 0908+3801	13	–	7.22	7.31	0.01	0.15	–	19	166
	HS 0910+4515*	$^+$69	–	–	–	0.30	0.27	–	$^+$63	10
	HS 0910+5011	33	2.87	3.30	3.11	0.10	0.19	62	25	83
	HS 0916+4450	21	–	6.67	6.54	0.13	–	–	8	59
	HS 0916+4603	42	3.50	5.50	2.90	–	–	46	14	86
	HS 0916+4605	14	–	7.12	7.28	–	0.24	–	7	54
	HS 0916+4958	51	2.22	4.29	4.84	–	0.23	86	22	88
	HS 0921+4644	74	3.5:	5.80	3.48	–	–	73:	23	149
	HS 0924+3821	132	0.85	5.10	3.85	0.06	0.14	73	108	466
	HS 0925+4654	89	2.53	6.29	4.00	0.03	0.20	44	28	189
	HS 0927+4018	67	0.75	6.86	3.25	–	–	25	80	524
	HS 0928+4302	116	1.58	5.76	3.62	0.07	0.08	23	32	197
	HS 0932+4800	21	1.9:	4.70	3.64	–	–	20:	14	55
	HS 0935+4332	73	1.24	3.66	3.13	–	–	32	41	165
	HS 0935+4931	$^+$49	–	–	–	–	–	–	$^+$69	63
	HS 0937+4822	69	2.36	6.67	4.85	–	–	45	45	341

Table 4. (Continued)

#	Name	F(Hβ)[a]	$\frac{F(\lambda3727)}{F(H\beta)}$	$\frac{F(\lambda5007)}{F(H\beta)}$	$\frac{F(H\alpha)}{F(H\beta)}$	$\frac{F(\lambda6583)}{F(H\alpha)}$	$\frac{F([SII])}{F(H\alpha)}$	W$_{\lambda3727}$(Å)	W$_{H\beta}$(Å)	W$_{\lambda5007}$(Å)
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
	HS 0940+4025	44	–	3.95	2.62	–	–	–	104	569
	HS 0941+4815	71	–	5.03	2.89	–	–	–	64	341
	HS 0944+4152	138	–	5.08	3.27	–	–	–	171	881
	HS 0945+4311	226	0.88	3.83	3.17	0.02	0.12	51	87	383
	HS 0952+4148	166	3.50	3.44	2.64	0.08	0.22	106	46	189
	HS 0957+4711	60	–	3.19	3.18	–	–	–	33	93
	HS 1000+4519	83	–	7.98	4.38	–	–	–	52	437
	HS 1013+3809	721	0.60	3.82	3.06	–	0.03	54	84	455
	HS 1014+4303	81	2.38	6.74	4.86	0.16	–	42	19	131
	HS 1022+4903	14	–	6.83	4.2	–	–	–	16	141
	HS 1033+4757	31	1.75	4.32	–	–	–	48	38	176
	HS 1035+4758	20	–	3.13	3.07	0.05	0.19	–	19	60
	HS 1037+4757	20	–	4.40	2.98	–	–	–	56	282
	HS 1041+4057	105	0.87:	5.54	–	–	–	35:	84	529
	HS 1046+4807	37	–	2.71	2.03	–	–	–	40	114
	HS 1047+4755	–	–	–	–	–	–	–	–	89
	HS 1048+4700	62	1.65	4.62	–	–	–	78	83	399
	HS 1050+4346	87	2.77	2.74	5.41	0.10	0.16	45	20	55
	HS 1056+5026	28	–	4.78	3.89	0.09	0.57	–	22	114
	HS 1057+4632	83	–	2.15	5.84	–	–	–	22	49
	HS 1102+4120	33	3.56	3.13	3.93	0.06	0.53	26	10	34
	HS 1102+5009	57	–	3.49	–	–	–	–	11	39
	HS 1103+4314	47	2.79	4.51	4.13	0.03	0.21	20	11	52
	HS 1103+4346	75	2.66	5.46	4.10	–	0.05	90	38	221
	HS 1103+4854	56	3.03	4.19	–	–	–	52	19	84
	HS 1110+4430	101	2.79	3.55	3.40	0.04	–	73	37	137
	HS 1111+4434	48	1.59	6.26	2.46	0.09	–	185	127	816
	HS 1111+5005	$^{+}$123	–	–	–	–	0.23	–	$^{+}$452	196
	HS 1116+4644	29	4.66	3.86	3.28	0.31	–	56	19	73
	HS 1117+4718	31	2.81	5.62	4.74	0.03	0.23	21	11	65
	HS 1117+4722	109	2.94	1.46	–	–	–	46	15	21
	HS 1117+4744	88	2.12	4.74	3.79	0.01	0.16	55	32	167
	HS 1123+4335	33	6.07	3.88	6.83	0.09	0.09	39	8	32
	HS 1123+4716	184	2.30	3.60	–	–	–	114	45	170
	HS 1127+4400	200	0.57	6.78	3.40	–	0.04	39	209	1364
	HS 1127+4823	112	2.96	2.47	–	–	–	57	20	48
	HS 1132+4416	271	1.61	5.46	4.13	–	0.14	69	63	362
	HS 1138+4251	49	2.58	4.57	3.51	0.06	0.13	49	34	163
	HS 1139+4343	8:	2.6:	11:	9.2:	0.05	0.12	8:	6:	72
	HS 1148+4831	118	2.27	4.48	–	–	–	84	46	217
	HS 1151+4838	44	1.76	4.93	3.51	–	0.08	46	37	179
	HS 1154+4526	14	–	4.91	3.37	0.06	–	–	22	111
	HS 1159+4812	70	2.66	4.48	3.44	–	–	88	59	262
	HS 1203+4432	63	2.25	4.57	4.03	–	–	45	29	138

Table 4. (Continued)

#	Name (1)	F(Hβ)^a (2)	$\frac{F(\lambda3727)}{F(H\beta)}$ (3)	$\frac{F(\lambda5007)}{F(H\beta)}$ (4)	$\frac{F(H\alpha)}{F(H\beta)}$ (5)	$\frac{F(\lambda6583)}{F(H\alpha)}$ (6)	$\frac{F([SII])}{F(H\alpha)}$ (7)	W$_{\lambda3727}$(Å) (8)	W$_{H\beta}$(Å) (9)	W$_{\lambda5007}$(Å) (10)
	HS 1207+4037	91	2.96	4.52	4.34	–	–	89	31	147
	HS 1208+4902	52	1.15	6.55	3.82	–	–	38	49	346
	HS 1235+4047	32	3.83	3.73	–	–	–	85	19	76
	HS 1242+4058B	102	1.39	5.76	–	–	–	21	54	253
	HS 1242+4434	10:	–	3.1:	4.1:	–	0.42	–	14	53
	HS 1249+4152	48	0.70	5.65	4.17	0.00	0.04	237	242	1271
	HS 1249+4948	46	1.75	4.98	–	–	–	58	40	201
	HS 1326+4411	617	2.08	4.16	–	–	–	112	92	418
	HS 1342+4210	67	1.81	4.69	4.05	–	0.07	276	83	388
	HS 1346+4152	26	–	3.44	3.90	–	0.17	–	24	83
	HS 1356+4159	93	4.0:	2.78	–	–	–	296	19	55
	HS 1412+4642	7	3.42	1.54	–	–	–	30	9	13
	HS 1429+4511	22	1.78	0.67	5.53	0.26	0.25	40	14	9
	HS 1441+4635	33	3.65	4.25	–	–	–	53	11	47
	HS 1442+4250	179	0.52	5.13	2.69	0.01	0.03	46	137	776
	HS 1444+4913	68	1.21	1.52	–	–	–	40	32	48
	HS 1453+4731	20	2.18	0.35	–	–	–	15	6	2
	HS 1454+4536	11	7.20	3.80	–	–	–	25	3	13
	HS 1457+4458B	5	4.17	2.28	4.15	0.30	–	19	5	11
	HS 1457+4458A	64	3.59	3.02	–	–	–	52	23	69
	HS 1500+4535	3	–	2.70	11.92	0.59	–	–	2	4
	HS 1510+5019	67	1.36	2.33	–	–	–	64	38	88
	HS 1522+4214	20	4.55	1.29	–	–	–	31	6	8
	HS 1528+4140*	286	0.94	4.52	4.35	0.07	0.15	28	27	128
	HS 1542+4116*	93	1.97	4.20	4.05	0.11	0.14	177	99	455
	HS 1544+4736*	108	0.91	5.55	3.05	0.06	0.10	65	68	355
	HS 1558+4158	58	2.0:	4.62	–	–	–	7:	22	100
	HS 1559+4201	175	4.50	3.98	–	–	–	58	10	41
	HS 1604+4127*	93	1.06	5.07	3.57	–	0.09	93	139	855
	HS 1606+4345*	61	1.17	4.70	3.19	–	0.10	83	94	469
	HS 1608+4202*	86	1.56	10.25	4.17	0.02	–	91	146	1748
	HS 1610+4539	94	1.80	4.03	4.18	0.06	0.16	70	34	138
	HS 1614+4709	243	1.06	5.94	–	–	–	43	74	481
	HS 1625+4031	75	0.7:	4.63	–	–	–	40:	96	329
	HS 1627+4254	169	3.56	2.30	–	–	–	85	27	60
	HS 1643+4015	76	7.69	3.63	–	–	–	73	12	41
	HS 1645+4025	42	1.39	3.42	–	–	–	89	26	85
	HS 1645+4137	17	1.89	3.86	3.02	0.05	0.18	52	51	227
	HS 1646+4437	39	1.29	2.84	–	–	–	16	15	42
	HS 1652+4420	64	0.78	4.99	–	–	–	57	20	92
	HS 1704+4332	22	–	4.18	–	–	–	–	88	419
	HS 1704+4340	55	1.06	5.33	–	–	–	36	45	219
	HS 1717+4955	92	1.11	6.21	–	–	–	85	155	1133
	HS 1720+4412	31	0.91	4.32	–	–	–	51	35	155

* Objects observed under poor photometric conditions.
^{a} Flux in 10^{-16} ergs s^{-1} sm^{-2} Å^{-1} .
$^+$ Parameters for Hα line .
: Parameters with less confident values.

Table 5. Galaxies with Nondetected Emission Lines

Name	α (1950)	δ (1950)	v_0^a	m$_B$	M$_B^b$	Absorption lines
1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)	1c (7)
HS 1033+4024	$10^h\ 33^m\ 19.0^s$	$+40°\ 24'\ 00''$	36300:	18.6	–19.82	Emission OII(3727)?,Hβ,MgIb,NaD
HS 1111+4029	11 11 59.5	+40 29 01	4590	18.5	–15.43	G,Hβ,MgIb,Hα
HS 1139+4452	11 39 16.1	+44 52 15	4679:	18.5	–15.48	G,Hβ,CaII
HS 1253+4131	12 53 06.3	+41 31 56	20977	17.5	–19.73	CaII,G,Hβ,MgIb
HS 1528+4316	15 28 41.7	+43 16 22	15096:	18.7	–17.82	CaII,G,Hβ

[a] Heliocentric velocities.
[b] Absolute magnitudes are not corrected for the Galaxy extinction.
: less confident values.

Table 6. Stars

#	Name	α (1950)	δ (1950)	m$_B$	Type	Spectral features
	1c (1)	1c (2)	1c (3)	1c (4)	1c (5)	1c (6)
	HS 0714+4753	$7^h14^m59.3^s$	$47°\ 53'\ 20''$	17.3	F	CaII,G$_{band}$,H$_\gamma$,H$_\beta$,H$_\alpha$
	HS 0717+4006	7 17 20.5	40 06 48	18.5	G	CaII,G$_{band}$,H$_\beta$,Mgb,CaFe5269,NaD,H$_\alpha$
	HS 0727+4817	7 27 31.4	48 17 49	18.0	F	G$_{band}$:,H$_\beta$,Mgb,H$_\alpha$
	HS 0728+4034	7 28 16.7	40 34 14	17.4	G	CaII,G$_{band}$,Mgb,NaD
	HS 0728+4739	7 28 01.2	47 39 45	16.9	M	
	HS 0730+4506	7 30 20.2	45 06 17	18.3	G	G$_{band}$:,Mgb,NaD
	HS 0732+4057	7 32 39.2	40 57 40	18.5	G	CaII,G$_{band}$,H$_\beta$,Mgb
	HS 0733+4432	7 33 51.9	44 32 59	18.2	G	CaII,G$_{band}$,Mgb,H$_\beta$
	HS 0733+4912	7 33 14.6	49 12 09	17.4	F-G	G$_{band}$:,H$_\beta$,Mgb
	HS 0741+4606	7 41 21.9	46 06 26	17.8	F-G	CaII,G$_{band}$,H$_\beta$,NaD
	HS 0747+4135	7 47 09.1	41 35 35	18.2	F-G	CaII,G$_{band}$,H$_\beta$,NaD,H$_\alpha$
	HS 0748+3602	7 48 21.3	36 02 06	18.4	F-G	CaII,G$_{band}$,H$_\beta$,Mgb,NaD
	HS 0759+4458	7 59 40.4	44 58 16	17.9	G	Mgb,NaD
	HS 0802+4510	8 02 17.9	45 10 34	17.4	F-G	G$_{band}$,Mgb
	HS 0808+4941	8 08 22.3	49 41 15	18.2		H$_\beta$, Mgb, NaD:
	HS 0812+4917	8 12 16.5	49 17 05	18.9	G	G$_{band}$,H$_\beta$
	HS 0830+4515	8 30 36.6	45 15 55	17.3	G	H$_\beta$,Mgb,CaFe5269
	HS 0851+4926	8 51 10.8	49 26 01	18.0	G	Mgb,NaD
	HS 0854+4012	8 54 51.8	40 12 36	16.4	F-G	CaII,G$_{band}$,H$_\gamma$,H$_\beta$,Mgb,NaD,H$_\alpha$
	HS 1005+4532	10 05 47.5	45 32 37	19.0	M	
	HS 1022+4548	10 22 03.5	45 48 43	18.1		H$_\beta$,Mgb,NaD
	HS 1158+5024	11 58 20.2	50 24 32	19.5	F-G	CaII,G$_{band}$,H$_\gamma$,H$_\beta$,Mgb,NaD
	HS 1202+4046	12 02 24.2	40 46 48	18.0	F-G	G$_{band}$:,H$_\beta$,Mgb
	HS 1223+4323	12 23 50.1	43 23 21	18.6	F	G$_{band}$,H$_\beta$,Mgb
	HS 1334+4141	13 34 54.5	41 41 57	18.0	G	H$_\beta$,Mgb,NaD,H$_\alpha$
	HS 1414+4935	14 14 25.8	49 35 20	18.0		CaII,H$_\beta$
	HS 1504+4525	15 04 28.0	45 25 49	18.1	G	G$_{band}$,Mgb
	HS 1508+4025	15 08 05.1	40 25 29	17.8		CaII,H$_\beta$
	HS 1610+4515	16 10 04.1	45 15 00	18.7	M	
	HS 1644+4433	16 44 22.0	44 33 57	17.9		H$_\beta$,Mgb
	HS 1648+4223	16 48 36.3	42 23 39	17.9		CaII,G$_{band}$,Fe4405,4960,Mgb