

Sheet1

OBJECT,C,17	OTHERNAMES,C,18	TYPE,C,5	CON,C,7	RA,C,7	DEC,C,6	MAG,(SUB	BRU200	TIRI
Berk 58		OPNCL	CAS	00 00.2	+60 58	09.7	99.9	035 01
NGC 7801		NONEX	CAS	00 00.4	+50 42	99.9	99.9	035 01
NGC 7802	UGC 12902	GALXY	PSC	00 01.1	+06 13	13.5	12.9	170 10
NGC 7804		NONEX	PSC	00 01.4	+07 44	99.9	99.9	170 10
NGC 7803	UGC 12906	GALXY	PEG	00 01.4	+13 06	13.1	12.4	170 10
NGC 7805	UGC 12908	GALXY	PEG	00 01.4	+31 25	13.3	13.2	089 04
NGC 7806	UGC 12911	GALXY	PEG	00 01.5	+31 26	13.5	13.2	089 04
PK118+ 8.2	Abell 86	PLNNB	CEP	00 01.6	+70 43	16.7	99.9	015 01
MCG -03-01-015	UA 444,WLM	GALXY	CET	00 02.0	-15 27	10.6	14.6	260 10
NGC 7809		GALXY	PSC	00 02.2	+02 56	14.6	12.7	215 10
NGC 7810	H III 984	GALXY	PEG	00 02.4	+12 57	13.0	13.0	170 10
NGC 7811		GALXY	PSC	00 02.5	+03 20	14.6	12.4	215 10
Stock 18		OPNCL	CAS	00 02.5	+64 39	99.9	99.9	015 01
Berk 59		OPNCL	CEP	00 02.6	+67 23	11.0	99.9	015 01
NGC 7812		GALXY	SCL	00 02.9	-34 15	13.1	12.7	350 18
NGC 7815		NONEX	PEG	00 03.4	+20 41	99.9	99.9	125 04
Berk 104		OPNCL	CAS	00 03.4	+63 36	99.9	99.9	015 01
NGC 7808		GALXY	CET	00 03.5	-10 45	13.5	13.9	260 10
NGC 7822		BRTNB	CEP	00 03.6	+68 36	99.9	99.9	015 01
NGC 7816	UGC 16	GALXY	PSC	00 03.8	+07 27	12.8	13.7	170 10
NGC 7817	UGC 19	GALXY	PEG	00 04.0	+20 44	11.8	12.9	125 04
NGC 7818		GALXY	PSC	00 04.2	+07 21	14.0	13.9	170 10
NGC 7813	IC 5384	GALXY	CET	00 04.2	-11 59	15.0	99.9	260 10
Blanco 1		OPNCL	SCL	00 04.3	-29 56	04.5	99.9	350 18
NGC 7819	UGC 26	GALXY	PEG	00 04.4	+31 28	13.5	14.0	089 04
Stock 19		OPNCL	CAS	00 04.4	+56 02	99.9	99.9	035 01
NGC 7820	UGC 28	GALXY	PSC	00 04.6	+05 11	12.9	12.4	215 10
Ced 214		BRTNB	CEP	00 04.7	+67 10	99.9	99.9	015 01
NGC 7823		UVSOB	TUC	00 04.8	-62 05	99.9	99.9	440 24
NGC 7825	UGC 37	GALXY	PSC	00 05.2	+05 12	15.5	99.9	215 10
NGC 7824	UGC 34	GALXY	PSC	00 05.2	+06 54	13.2	13.7	170 10
NGC 7826	H VIII 29	NONEX	CET	00 05.2	-20 44	99.9	99.9	305 18
NGC 7814	H II 240	GALXY	PEG	00 05.3	+16 08	10.6	13.2	170 10
NGC 7821		GALXY	CET	00 05.3	-16 29	99.9	99.9	260 10
NGC 7827		GALXY	PSC	00 05.5	+05 13	13.9	13.9	215 10
NGC 7830		1STAR	PSC	00 06.2	+08 22	99.9	99.9	170 10
NGC 7828		GALXY	CET	00 06.4	-13 25	13.9	12.7	260 10
NGC 7829		GALXY	CET	00 06.4	-13 25	13.9	12.9	260 10
NGC 7833		NONEX	PEG	00 06.5	+27 38	99.9	99.9	125 04
NGC 7832	H III 190	GALXY	PSC	00 06.6	-03 42	99.9	99.9	215 10
NGC 7834	UGC 49	GALXY	PSC	00 06.7	+08 21	14.3	14.0	170 10
NGC 7835		GALXY	PSC	00 06.8	+08 25	15.5	99.9	170 10
NGC 7837		GALXY	PSC	00 06.9	+08 20	16.0	99.9	170 10
NGC 7838		GALXY	PSC	00 07.0	+08 20	15.5	99.9	170 10
NGC 7839		2STAR	PEG	00 07.0	+27 39	99.9	99.9	125 04
NGC 7840		NONEX	PSC	00 07.1	+08 25	99.9	99.9	170 10
NGC 3	UGC 58	GALXY	PSC	00 07.3	+08 17	13.3	12.8	170 10
NGC 2	UGC 59	GALXY	PEG	00 07.3	+27 40	14.2	13.6	125 04

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NGC 1	UGC 57	GALXY	PEG	00 07.3	+27 42	12.9	13.5	125	04
NGC 7831		GALXY	AND	00 07.3	+32 35	12.8	12.3	089	04
PK118+ 2.1	Sh1-118	PLNNB	CAM	00 07.6	+64 58	12.9	99.9	015	01
NGC 5		GALXY	AND	00 07.8	+35 21	13.3	13.2	089	04
Czernik 1		OPNCL	CAS	00 07.8	+61 25	99.9	99.9	015	01
NGC 7836		GALXY	AND	00 08.0	+33 04	13.7	12.7	089	04
NGC 4		GALXY	PSC	00 08.2	+08 09	99.9	99.9	170	10
NGC 6		NONEX	AND	00 08.3	+32 30	99.9	99.9	089	04
NGC 7		GALXY	SCL	00 08.4	-29 55	13.9	14.0	350	18
NGC 14	H II 591	GALXY	PEG	00 08.7	+15 48	12.1	13.9	170	10
NGC 11		GALXY	AND	00 08.7	+37 26	13.7	12.5	089	04
NGC 10		GALXY	SCL	00 08.7	-33 53	12.5	13.5	350	18
NGC 12	H III 868	GALXY	PSC	00 08.8	+04 36	13.1	14.0	215	10
NGC 8		2STAR	PEG	00 08.8	+23 50	15.0	99.9	125	04
NGC 13	H III 866	GALXY	AND	00 08.8	+33 25	13.2	13.5	089	04
NGC 9	UGC 78	GALXY	PEG	00 08.9	+23 48	13.6	13.3	125	04
NGC 15		GALXY	PEG	00 09.1	+21 36	13.8	13.1	125	04
NGC 16	H IV 15	GALXY	PEG	00 09.1	+27 43	12.0	12.4	125	04
NGC 17		NONEX	CET	00 09.1	-12 08	99.9	99.9	260	10
NGC 18		NONEX	PEG	00 09.4	+27 43	99.9	99.9	125	04
NGC 19		NONEX	AND	00 09.4	+32 50	99.9	99.9	089	04
NGC 20	UGC 84	GALXY	AND	00 09.6	+33 18	13.0	13.8	089	04
Berk 1		OPNCL	CAS	00 09.7	+60 26	99.9	99.9	035	01
NGC 22	UGC 80	GALXY	PEG	00 09.8	+27 50	13.6	14.3	125	04
NGC 23	H III 147	GALXY	PEG	00 09.9	+25 55	12.0	13.0	125	04
NGC 25		GALXY	PHE	00 09.9	-57 03	13.0	13.0	416	24
NGC 24	H III 461	GALXY	SCL	00 10.0	-24 59	11.6	13.7	305	18
King 13		OPNCL	CAS	00 10.2	+61 13	99.9	99.9	015	01
NGC 28		GALXY	PHE	00 10.3	-57 01	13.6	13.1	416	24
NGC 26	UGC 94	GALXY	PEG	00 10.4	+25 49	12.7	13.6	125	04
NGC 27		GALXY	AND	00 10.5	+29 00	13.4	12.8	089	04
NGC 31		GALXY	PHE	00 10.5	-57 00	99.9	99.9	416	24
NGC 21		GALXY	AND	00 10.7	+32 58	13.2	12.6	089	04
NGC 30		2STAR	PEG	00 10.8	+21 57	99.9	99.9	125	04
NGC 29	H II 853	GALXY	AND	00 10.8	+33 21	12.7	12.9	089	04
NGC 33		2STAR	PSC	00 10.9	+03 40	99.9	99.9	215	10
NGC 32		ASTER	PEG	00 10.9	+18 47	99.9	99.9	125	10
vdB 1		BRTNB	CAS	00 11.0	+58 46	99.9	99.9	035	01
NGC 34	NDC 17	GALXY	CET	00 11.1	-12 06	99.9	99.9	260	10
NGC 35		GALXY	CET	00 11.2	-12 00	14.0	99.9	260	10
NGC 36	H III 456	GALXY	PSC	00 11.3	+06 24	13.1	14.2	170	10
NGC 37		GALXY	PHE	00 11.3	-56 58	13.7	13.2	416	24
NGC 38		GALXY	PSC	00 11.9	-05 36	99.9	99.9	260	10
NGC 39	H III 861	GALXY	AND	00 12.3	+31 03	13.5	13.6	089	04
PK119+ 6.1	Abell 1	PLNNB	CEP	00 12.6	+69 11	18.3	99.9	015	01
NGC 41		GALXY	PEG	00 12.8	+22 02	13.6	12.6	125	04
NGC 42		GALXY	PEG	00 12.9	+22 06	13.8	13.1	125	04
NGC 43		GALXY	AND	00 13.0	+30 54	12.6	13.4	089	04
NGC 40	H IV 58	PLNNB	CEP	00 13.0	+72 32	10.7	99.9	003	01

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NGC 44		NONEX	AND	00	13.1	+31 17	99.9	99.9	089	04
UGC 122		GALXY	PEG	00	13.3	+17 02	14.9	99.9	125	10
NGC 48	UGC 133	GALXY	AND	00	14.0	+48 13	13.6	13.7	059	04
NGC 45	A 4	GALXY	CET	00	14.0	-23 11	10.6	14.7	305	18
NGC 46		1STAR	PSC	00	14.1	+05 59	99.9	99.9	170	10
NGC 49	UGC 136	GALXY	AND	00	14.3	+48 14	13.7	13.7	059	04
NGC 51	UGC 138	GALXY	AND	00	14.5	+48 15	13.1	13.2	059	04
NGC 47		GALXY	CET	00	14.5	-07 11	99.9	99.9	260	10
NGC 52	H III 183	GALXY	PEG	00	14.6	+18 33	13.3	13.1	125	10
NGC 50		GALXY	CET	00	14.7	-07 21	99.9	99.9	260	10
NGC 53		UVSOB	TUC	00	14.7	-60 20	99.9	99.9	416	24
NGC 54		GALXY	CET	00	15.1	-07 08	99.9	99.9	260	10
NGC 55	Dunlop 507	GALXY	SCL	00	15.1	-39 14	07.9	13.4	386	18
NGC 56		NONEX	PSC	00	15.4	+12 26	99.9	99.9	170	10
NGC 57	H II 241=H II 243	GALXY	PSC	00	15.4	+17 18	11.6	13.2	125	10
NGC 59		GALXY	CET	00	15.5	-21 27	12.4	13.6	305	18
NGC 58		NONEX	CET	00	15.7	-07 11	99.9	99.9	260	10
NGC 60	UGC 150	GALXY	PSC	00	16.0	-00 17	14.1	14.4	215	10
NGC 61A	H III 428	GALXY	PSC	00	16.5	-06 14	99.9	99.9	261	10
NGC 61B		GALXY	PSC	00	16.5	-06 14	15.5	99.9	261	10
UGC 156		GALXY	PSC	00	16.8	+12 21	14.0	15.4	171	10
NGC 62		GALXY	CET	00	17.1	-13 28	99.9	99.9	261	10
NGC 64		GALXY	CET	00	17.5	-06 51	99.9	99.9	261	10
NGC 63	UGC 167	GALXY	PSC	00	17.8	+11 26	11.6	12.2	171	10
Berk 60		OPNCL	CAS	00	17.9	+60 58	99.9	99.9	035	01
NGC 67	VV 166	GALXY	AND	00	18.2	+30 03	14.2	13.9	089	04
NGC 69		GALXY	AND	00	18.3	+30 02	14.8	14.2	089	04
NGC 68	H V 16	GALXY	AND	00	18.3	+30 04	12.9	14.2	089	04
NGC 71	UGC 173,VV 166	GALXY	AND	00	18.4	+30 03	13.2	13.4	089	04
NGC 70	UGC 174,IC 1539	GALXY	AND	00	18.4	+30 04	13.5	13.9	089	04
NGC 72	UGC 176,VV 166	GALXY	AND	00	18.5	+30 02	13.5	13.3	089	04
NGC 72A		GALXY	AND	00	18.6	+30 02	14.7	12.0	089	04
PK118- 8.1	VY 1-1	PLNNB	CAS	00	18.7	+53 53	12.5	99.9	035	01
NGC 73		GALXY	CET	00	18.8	-15 21	99.9	99.9	261	10
NGC 74		GALXY	AND	00	18.9	+30 03	16.0	99.9	089	04
NGC 65		GALXY	CET	00	19.1	-22 54	15.0	99.9	306	18
NGC 77		GALXY	CET	00	19.2	-22 42	15.0	99.9	306	18
NGC 66		GALXY	CET	00	19.2	-22 57	13.4	13.0	306	18
NGC 75	UGC 182	GALXY	PSC	00	19.5	+06 25	13.2	13.9	171	10
NGC 76	UGC 185	GALXY	AND	00	19.6	+29 56	13.0	12.7	089	04
PK119+ 0.1		PLNNB	CAS	00	19.9	+62 59	14.7	99.9	015	01
UGC 191	D2	GALXY	PSC	00	20.2	+10 53	13.4	14.0	171	10
NGC 78A		GALXY	PSC	00	20.4	+00 49	13.7	13.3	216	10
NGC 78B	UGC 194,Mrk 547	GALXY	PSC	00	20.4	+00 49	13.5	12.3	216	10
IC 10	UGC 192	GALXY	CAS	00	20.4	+59 18	13.3	14.0	035	01
NGC 79		GALXY	AND	00	21.0	+22 34	15.0	99.9	126	04
NGC 80	UGC 203	GALXY	AND	00	21.2	+22 21	12.1	13.2	126	04
NGC 81		GALXY	AND	00	21.2	+22 22	99.9	99.9	126	04
NGC 87		GALXY	PHE	00	21.2	-48 38	14.3	13.6	386	18

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NGC 88		GALXY	PHE	00 21.3	-48 39	14.4	13.2	386	18
NGC 89		GALXY	PHE	00 21.3	-48 41	13.5	13.0	386	18
NGC 83	UGC 206	GALXY	AND	00 21.4	+22 25	12.5	13.4	126	04
NGC 82		GALXY	AND	00 21.4	+22 27	14.0	99.9	126	04
NGC 85A		GALXY	AND	00 21.4	+22 30	15.5	99.9	126	04
NGC 85B		GALXY	AND	00 21.4	+22 30	15.5	99.9	126	04
NGC 86		GALXY	AND	00 21.5	+22 33	15.0	99.9	126	04
NGC 84		GALXY	AND	00 21.5	+22 36	17.0	99.9	126	04
NGC 92		GALXY	PHE	00 21.5	-48 38	13.1	13.6	386	18
NGC 91	UGC 208	GALXY	AND	00 21.8	+22 24	13.7	14.0	126	04
NGC 90		1STAR	AND	00 21.9	+22 25	99.9	99.9	126	04
NGC 93	UGC 209	GALXY	AND	00 22.0	+22 25	13.3	12.9	126	04
NGC 95	H II 257	GALXY	PSC	00 22.2	+10 29	12.5	13.2	171	10
NGC 94		GALXY	AND	00 22.2	+22 28	15.5	99.9	126	04
Mayer 1		OPNCL	CAS	00 22.2	+61 45	99.9	99.9	015	01
King 1		OPNCL	CAS	00 22.2	+64 24	99.9	99.9	015	01
NGC 96		GALXY	AND	00 22.3	+22 33	17.0	99.9	126	04
NGC 97		GALXY	AND	00 22.4	+29 44	12.3	13.0	090	04
NGC 98		UVSOB	PHE	00 22.8	-45 17	99.9	99.9	386	18
NGC 99	UGC 230	GALXY	PSC	00 23.8	+15 45	13.6	14.1	171	10
NGC 101		GALXY	SCL	00 23.9	-32 34	12.8	14.3	351	18
NGC 100		GALXY	PSC	00 24.0	+16 29	13.3	14.6	171	10
NGC 104	47 Tucanae	GLOCL	TUC	00 24.1	-72 05	04	99.9	440	24
NGC 102		GALXY	CET	00 24.4	-13 57	14.0	99.9	261	10
NGC 106		GALXY	PSC	00 24.8	-05 10	99.9	99.9	216	10
Stock 20		OPNCL	CAS	00 25.2	+62 39	99.9	99.9	015	01
NGC 105	UGC 241	GALXY	PSC	00 25.3	+12 52	13.2	12.8	171	10
NGC 103		OPNCL	CAS	00 25.3	+61 21	09.8	99.9	015	01
Berk 2		OPNCL	CAS	00 25.6	+60 24	99.9	99.9	035	01
NGC 107		GALXY	CET	00 25.7	-08 17	99.9	99.9	261	10
NGC 108	H III 148	GALXY	AND	00 25.9	+29 13	12.1	13.3	090	04
NGC 109	UGC 251	GALXY	AND	00 26.2	+21 49	13.7	13.8	126	04
NGC 112		GALXY	AND	00 26.7	+31 43	13.5	12.7	090	04
NGC 111		NONEX	CET	00 26.7	-02 38	99.9	99.9	216	10
NGC 115		GALXY	SCL	00 26.8	-33 41	12.9	13.4	351	18
NGC 121		SMCGC	TUC	00 26.8	-71 32	10.6	99.9	440	24
NGC 113		GALXY	CET	00 27.0	-02 30	99.9	99.9	216	10
NGC 114		GALXY	CET	00 27.1	-01 47	13.7	13.0	216	10
NGC 119		GALXY	PHE	00 27.1	-56 59	13.1	13.0	416	24
NGC 117		GALXY	CET	00 27.2	+01 19	14.3	12.9	216	10
NGC 116		GALXY	CET	00 27.2	-07 42	14.5	99.9	261	10
NGC 118		GALXY	CET	00 27.3	-01 47	14.0	12.8	216	10
NGC 110		OPNCL	CAS	00 27.4	+71 23	99.9	99.9	015	01
NGC 120	UGC 267	GALXY	CET	00 27.5	-01 31	13.4	13.3	216	10
NGC 122		NONEX	CET	00 27.7	-01 38	99.9	99.9	216	10
NGC 123		NONEX	CET	00 27.8	-01 36	99.9	99.9	216	10
NGC 124	UGC 271	GALXY	CET	00 28.0	-01 49	13.0	13	216	10
PK119- 6.1	Hu 1-1	PLNNB	CAS	00 28.2	+55 57	13.3	99.9	035	01
NGC 125	H III 869	GALXY	PSC	00 28.9	+02 50	12.1	13.0	216	10

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NGC 126		GALXY	PSC	00 29.2	+02 48	14.2	13.0	216	10
NGC 127		GALXY	PSC	00 29.2	+02 52	99.9	99.9	216	10
NGC 128	H II 854	GALXY	PSC	00 29.3	+02 51	11.8	12.7	216	10
NGC 130		GALXY	PSC	00 29.3	+02 51	99.9	99.9	216	10
NGC 131		GALXY	SCL	00 29.5	-33 17	13.2	13.1	351	18
NGC 129	H VIII 79	OPNCL	CAS	00 29.9	+60 14	06.5	99.9	035	01
NGC 132	H II 855	GALXY	CET	00 30.2	+02 05	12.6	13.6	216	10
NGC 134		GALXY	SCL	00 30.3	-33 16	10.4	13.3	351	18
Stock 21		OPNCL	CAS	00 30.5	+57 58	99.9	99.9	036	01
NGC 139		GALXY	PSC	00 31.0	+05 05	14.3	13.0	216	10
NGC 138	UGC 308	GALXY	PSC	00 31.0	+05 10	13.6	13.1	216	10
NGC 137	H II 471	GALXY	PSC	00 31.1	+10 11	12.8	13.2	171	10
NGC 133		OPNCL	CAS	00 31.2	+63 22	09.4	99.9	015	01
NGC 142		GALXY	CET	00 31.2	-22 37	13.8	13.1	306	18
NGC 140		GALXY	AND	00 31.3	+30 47	13.2	13.8	090	04
NGC 143		GALXY	CET	00 31.3	-22 34	14.4	12.6	306	18
NGC 141		GALXY	PSC	00 31.4	+05 11	15.5	99.9	216	10
NGC 144		GALXY	CET	00 31.4	-22 39	13.7	13.0	306	18
NGC 136	H VI 35	OPNCL	CAS	00 31.5	+61 32	99.9	99.9	015	01
NGC 145	Arp 19	GALXY	CET	00 31.8	-05 10	12.7	13.5	216	10
King 14		OPNCL	CAS	00 31.9	+63 10	08.5	99.9	015	01
NGC 152		SMCGC	TUC	00 32.8	-73 09	12.0	99.9	460	24
NGC 146		OPNCL	CAS	00 33.1	+63 18	09.1	99.9	015	01
NGC 147	UGC 326,D3	GALXY	CAS	00 33.3	+48 30	09.5	14.5	060	04
NGC 135		GALXY	CET	00 33.3	-13 22	99.9	99.9	261	10
King 15		OPNCL	CAS	00 33.4	+61 52	99.9	99.9	015	01
NGC 149		GALXY	AND	00 33.7	+30 43	13.7	13.5	090	04
NGC 154	H III 467	GALXY	CET	00 34.1	-12 39	14.0	99.9	261	10
NGC 151	H II 478	GALXY	CET	00 34.2	-09 42	11.6	13.4	261	10
NGC 150	A 7	GALXY	SCL	00 34.2	-27 49	11.4	13.4	306	18
NGC 148		GALXY	SCL	00 34.2	-31 48	12.2	12.6	351	18
NGC 153	NGC 151	NONEX	CET	00 34.3	-09 43	99.9	99.9	261	10
NGC 156		2STAR	CET	00 34.6	-08 21	99.9	99.9	261	10
NGC 159		GALXY	PHE	00 34.6	-55 47	13.8	13.1	417	24
NGC 155		GALXY	CET	00 34.7	-10 46	99.9	99.9	261	10
NGC 158		2STAR	CET	00 34.9	-08 19	99.9	99.9	261	10
NGC 157	H II 3	GALXY	CET	00 34.9	-08 24	10.4	12.9	261	10
NGC 167		GALXY	CET	00 35.3	-23 22	13.6	13.1	306	18
AND III		GALXY	AND	00 35.4	+36 31	13.5	99.9	090	04
NGC 161	IC 1557	GALXY	CET	00 35.5	-02 50	99.9	99.9	216	10
NGC 166		GALXY	CET	00 35.8	-13 37	15.0	99.9	261	10
IC 1558	MCG -04-03-024	GALXY	SCL	00 35.8	-25 22	12.2	14.4	306	18
NGC 176		SMCOG	TUC	00 35.8	-73 11	12.0	99.9	460	24
NGC 160	H III 476	GALXY	AND	00 36.0	+23 57	12.6	14.3	126	04
NGC 162		GALXY	AND	00 36.1	+23 58	99.9	99.9	126	04
NGC 163	H III 954	GALXY	CET	00 36.1	-10 08	12.7	13.4	261	10
NGC 164		GALXY	PSC	00 36.5	+02 45	16.0	99.9	216	10
NGC 165		GALXY	CET	00 36.5	-10 08	13.1	13.7	261	10
NGC 170		GALXY	CET	00 36.7	+01 51	14.4	12.0	216	10

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NGC 168		GALXY	CET	00 36.7	-22 36	13.8	12.3	306	18
NGC 169	UGC 365,Arp 282	GALXY	AND	00 36.8	+23 59	99.9	99.9	126	04
NGC 171	H III 223?	NONEX	CET	00 36.8	-18 30	99.9	99.9	306	10
NGC 169A	IC 1559	GALXY	AND	00 36.9	+23 59	99.9	99.9	126	04
NGC 174		GALXY	SCL	00 36.9	-29 29	12.8	12.4	351	18
NGC 173	H III 871	GALXY	CET	00 37.2	+01 56	13.0	15.1	216	10
NGC 172		GALXY	CET	00 37.2	-22 36	13.4	12.9	306	18
NGC 175		GALXY	CET	00 37.4	-19 56	12.2	13.5	306	10
NGC 177		GALXY	CET	00 37.5	-22 34	13.2	13.2	306	18
NGC 179		GALXY	CET	00 37.8	-17 53	13.3	12.8	306	10
NGC 180	H III 876	GALXY	PSC	00 38.0	+08 38	12.9	14.4	171	10
NGC 182	H III 870	GALXY	PSC	00 38.2	+02 43	12.4	13.6	216	10
NGC 181		GALXY	AND	00 38.2	+29 28	99.9	99.9	090	04
NGC 183		GALXY	AND	00 38.3	+29 30	12.7	14.1	090	04
NGC 186	UGC 390	GALXY	PSC	00 38.5	+03 09	13.4	13.4	216	10
NGC 184		GALXY	AND	00 38.5	+29 26	14.6	12.3	090	04
PK121- 2.1		BRTNB	CAS	00 38.7	+60 17	99.9	99.9	036	01
NGC 189		OPNCL	CAS	00 38.7	+61 04	08.8	99.9	016	01
NGC 190	UGC 397	GALXY	PSC	00 38.9	+07 02	14.5	99.9	171	10
NGC 185	H II 707	GALXY	CAS	00 39.0	+48 20	09.2	14.3	060	04
NGC 191	H II 479	GALXY	CET	00 39.0	-09 01	99.9	99.9	261	10
NGC 178	IC 39	GALXY	CET	00 39.1	-14 11	12.6	13.2	261	10
NGC 209		GALXY	CET	00 39.1	-18 38	12.9	13.3	306	10
NGC 192	H III 872	GALXY	CET	00 39.3	+00 51	12.6	13.1	216	10
NGC 916	H II 860	GALXY	CET	00 39.3	+00 54	14.0	99.9	216	10
NGC 194	H II 856	GALXY	PSC	00 39.3	+03 02	12.2	13.0	216	10
NGC 197		GALXY	CET	00 39.4	+00 53	14.1	14.0	216	10
NGC 198	H II 857	GALXY	PSC	00 39.4	+02 47	13.1	13.4	216	10
NGC 193	H III 595	GALXY	PSC	00 39.4	+03 19	12.2	12.7	216	10
NGC 200	H II 858	GALXY	PSC	00 39.6	+02 53	12.6	13.1	216	10
NGC 199	UGC 415	GALXY	PSC	00 39.6	+03 07	13.6	13.4	216	10
NGC 187		GALXY	CET	00 39.6	-14 41	99.9	99.9	261	10
NGC 201	H III 873	GALXY	CET	00 39.7	+00 51	12.9	13.8	216	10
NGC 203		GALXY	PSC	00 39.7	+03 26	14.0	12.3	216	10
NGC 202	UGC 420	GALXY	PSC	00 39.7	+03 31	14.3	12.7	216	10
Stock 24	Be 3	OPNCL	CAS	00 39.7	+61 57	08.8	99.9	016	01
NGC 195		GALXY	CET	00 39.7	-09 12	99.9	99.9	261	10
NGC 204	UGC 423	GALXY	PSC	00 39.8	+03 17	12.9	13.1	216	10
NGC 207		NONEX	CET	00 40.0	-15 10	99.9	99.9	261	10
NGC 212		GALXY	PHE	00 40.1	-56 10	13.4	13.6	417	24
PK121+ 0.1		PLNNB	CAS	00 40.3	+62 52	15.4	99.9	016	01
NGC 208		GALXY	PSC	00 40.4	+02 44	14.3	13.4	216	10
NGC 205	M 110	GALXY	AND	00 40.4	+41 41	08.1	14.0	060	04
NGC 210	H II 452	GALXY	CET	00 40.5	-13 53	10.9	13.8	261	10
NGC 220		SMCOC	TUC	00 40.5	-73 24	11.5	99.9	460	24
NGC 206	H V 36	G+C+N	AND	00 40.6	+40 44	99.9	99.9	060	04
NGC 222		SMCOC	TUC	00 40.6	-73 24	11.5	99.9	460	24
Do 12		OPNCL	CAS	00 40.8	+60 51	99.9	99.9	036	01
NGC 215		GALXY	PHE	00 40.9	-56 13	13.1	12.9	417	24

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NGC 211		1STAR	PSC	00 41.0	+03 26	99.9	99.9	216	10
NGC 231		SMCOG	TUC	00 41.0	-73 22	12.0	99.9	460	24
NGC 213	H III 200	GALXY	PSC	00 41.2	+16 28	13.3	14.1	171	10
NGC 214	H II 209	GALXY	AND	00 41.4	+25 30	12.3	13.1	126	04
UGC 439	MCG +00-02-125	GALXY	CET	00 41.4	-01 43	13.2	13.2	216	10
NGC 216	H III 244	GALXY	CET	00 41.4	-21 03	13.2	13.5	306	18
NGC 217	H II 480	GALXY	CET	00 41.6	-10 02	99.9	99.9	261	10
NGC 218		GALXY	AND	00 41.8	+36 21	14.0	14.1	090	04
NGC 219		GALXY	CET	00 42.3	+00 54	14.3	12.9	216	10
NGC 230		GALXY	CET	00 42.4	-23 38	14.7	12.8	306	18
NGC 223	IC 44	GALXY	CET	00 42.7	+00 51	13.2	13.1	216	10
NGC 227	H II 444	GALXY	CET	00 42.7	-01 32	12.1	12.8	216	10
NGC 232		GALXY	CET	00 42.7	-23 34	13.5	13.0	306	18
NGC 228	UGC 458	GALXY	AND	00 42.8	+23 30	13.7	13.8	126	04
NGC 226		GALXY	AND	00 42.8	+32 34	13.3	13.0	090	04
NGC 221	M 32	GALXY	AND	00 42.8	+40 52	08.1	12.4	060	04
NGC 224	M 31	GALXY	AND	00 42.8	+41 16	03.4	13.5	060	04
NGC 235		GALXY	CET	00 42.8	-23 33	13.2	12.9	306	18
NGC 229		GALXY	AND	00 43.0	+23 29	14.5	99.9	126	04
NGC 234	H II 245	GALXY	PSC	00 43.4	+14 20	12.5	13.4	171	10
NGC 233	H III 149	GALXY	AND	00 43.4	+30 35	12.4	13.4	090	04
NGC 225	H VIII 78	OPNCL	CAS	00 43.4	+61 47	07	99.9	016	01
NGC 241		NONEX	TUC	00 43.4	-73 26	99.9	99.9	460	24
NGC 236	UGC 462	GALXY	PSC	00 43.5	+02 56	13.5	13.5	216	10
NGC 237	UGC 461	GALXY	CET	00 43.5	-00 08	13.0	13.3	216	10
NGC 238		UVSOB	PHE	00 43.5	-50 11	99.9	99.9	417	24
NGC 242		SMCOG	TUC	00 43.6	-73 27	12.0	99.9	460	24
King 16		OPNCL	CAS	00 43.7	+64 11	10.3	99.9	016	01
Czernik 2		OPNCL	CAS	00 44.4	+60 09	99.9	99.9	036	01
NGC 188		OPNCL	CEP	00 44.4	+85 20	08.1	99.9	001	01
NGC 239		GALXY	CET	00 44.6	-03 46	99.9	99.9	216	10
NGC 240	UGC 473	GALXY	PSC	00 45.1	+06 08	13.5	13.3	171	10
NGC 249		SMCDN	TUC	00 45.4	-73 05	99.9	99.9	460	24
NGC 248		SMCDN	TUC	00 45.4	-73 23	99.9	99.9	460	24
Berk 4		OPNCL	CAS	00 45.5	+64 24	10.6	99.9	016	01
PK122- 4.1	Abell 2	PLNNB	CAS	00 45.6	+57 57	14.1	99.9	036	01
AND I		GALXY	AND	00 45.7	+38 00	13.2	99.9	090	04
NGC 244	H III 485	GALXY	CET	00 45.8	-15 35	99.9	99.9	261	10
NGC 243		GALXY	AND	00 45.9	+29 56	13.6	12.5	090	04
NGC 256		SMCCN	TUC	00 45.9	-73 30	12.0	99.9	460	24
NGC 245	H II 445	GALXY	CET	00 46.1	-01 44	12.2	12.6	216	10
UGC 477		GALXY	PSC	00 46.2	+19 29	14.2	14.8	126	10
NGC 261		SMCDN	TUC	00 46.5	-73 07	99.9	99.9	460	24
NGC 247	H V 20	GALXY	CET	00 47.0	-20 45	09.1	14.4	306	18
NGC 246	H V 25	PLNNB	CET	00 47.1	-11 53	08.5	99.9	261	10
NGC 250		GALXY	PSC	00 47.3	+07 55	13.6	13.1	171	10
NGC 253	H V 1	GALXY	SCL	00 47.5	-25 18	07.2	12.7	306	18
NGC 254		GALXY	SCL	00 47.6	-31 26	11.7	13.0	351	18
NGC 265		SMCGC	TUC	00 47.6	-73 29	12.0	99.9	460	24

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NGC 251	H III 204	GALXY	PSC	00 47.8	+19 34	13.2	14.7	126	10
NGC 255	H II 472	GALXY	CET	00 47.8	-11 29	11.9	13.9	261	10
NGC 252	H II 609	GALXY	AND	00 48.0	+27 37	12.4	12.8	126	04
NGC 267		SMCCN	TUC	00 48.0	-73 17	99.9	99.9	460	24
NGC 257	H II 863	GALXY	PSC	00 48.1	+08 19	12.6	13.4	172	10
NGC 259	H II 703=H II 621	GALXY	CET	00 48.1	-02 47	99.9	99.9	217	10
NGC 258		GALXY	AND	00 48.2	+27 38	15.0	99.9	127	04
NGC 260	UGC 497	GALXY	AND	00 48.5	+27 41	13.5	13.2	127	04
NGC 264		GALXY	SCL	00 48.5	-38 16	13.4	12	351	18
NGC 269		SMCGC	TUC	00 48.5	-73 32	12.0	99.9	460	24
NGC 262	UGC 499,Mrk 348	GALXY	AND	00 48.9	+31 58	13.1	13.1	090	04
NGC 263		GALXY	CET	00 48.9	-13 06	14.0	99.9	262	10
Berk 61		OPNCL	CAS	00 49.2	+67 14	99.9	99.9	016	01
NGC 266	H III 153	GALXY	PSC	00 49.9	+32 16	11.6	13.8	090	04
Do 13		OPNCL	CAS	00 50.0	+64 08	99.9	99.9	016	01
NGC 268	H III 463	GALXY	CET	00 50.2	-05 12	13.1	13.6	217	10
NGC 270	H III 955	GALXY	CET	00 50.7	-08 39	99.9	99.9	262	10
NGC 271	H II 446	GALXY	CET	00 50.8	-01 53	12.0	13.3	217	10
NGC 273	H III 430	GALXY	CET	00 50.9	-06 54	12.9	13.2	262	10
NGC 274	H III 429	GALXY	CET	00 51.1	-07 04	11.8	12.6	262	10
NGC 275	VV 81,Arp 140	GALXY	CET	00 51.1	-07 04	12.5	12.9	262	10
NGC 290		SMCOC	TUC	00 51.3	-73 09	12.0	99.9	460	24
NGC 272		OPNCL	AND	00 51.4	+35 50	99.9	99.9	090	04
NGC 277		GALXY	CET	00 51.5	-08 35	99.9	99.9	262	10
King 2		OPNCL	CAS	00 51.8	+58 11	99.9	99.9	036	01
NGC 278	H I 159	GALXY	CAS	00 52.0	+47 33	10.8	12.2	060	04
NGC 276	IC 1591	GALXY	CET	00 52.1	-22 41	14.9	13.8	307	18
NGC 294		SMCDN	TUC	00 52.1	-73 21	99.9	99.9	460	24
NGC 279	H III 439	GALXY	CET	00 52.3	-02 12	12.7	13.3	217	10
NGC 280	H III 477	GALXY	AND	00 52.5	+24 20	13.2	13.8	127	04
NGC 282		GALXY	PSC	00 52.8	+30 37	14.5	99.9	090	04
NGC 281		CL+NB	CAS	00 52.8	+56 37	07.4	99.9	036	01
NGC 288	H VI 20	GLOCL	SCL	00 52.8	-26 35	08.1	99.9	307	18
NGC 289		GALXY	SCL	00 52.8	-31 13	11.0	14.0	351	18
NGC 292	Small Magellanc Cl	GALXY	TUC	00 52.8	-72 50	02.3	14.0	460	24
NGC 283		GALXY	CET	00 53.3	-13 11	99.9	99.9	262	10
NGC 287		GALXY	PSC	00 53.6	+32 29	15.0	99.9	090	04
NGC 291		GALXY	CET	00 53.6	-08 45	99.9	99.9	262	10
NGC 286		GALXY	CET	00 53.6	-13 06	99.9	99.9	262	10
NGC 284		GALXY	CET	00 53.6	-13 09	15.0	99.9	262	10
NGC 285		GALXY	CET	00 53.7	-13 10	99.9	99.9	262	10
NGC 299		SMCCN	TUC	00 54.0	-72 10	11.5	99.9	441	24
NGC 293		GALXY	CET	00 54.3	-07 14	99.9	99.9	262	10
NGC 303		GALXY	CET	00 54.8	-16 40	99.9	99.9	262	10
NGC 306		SMCCN	TUC	00 54.9	-72 13	12.5	99.9	441	24
NGC 298		GALXY	CET	00 55.0	-07 21	99.9	99.9	262	10
NGC 300		GALXY	SCL	00 55.0	-37 42	08.1	14.3	351	18
NGC 297		2STAR	CET	00 55.1	-07 21	99.9	99.9	262	10
NGC 295		GALXY	PSC	00 55.2	+31 31	12.6	13.2	090	04

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NGC 296	H II 214	GALXY	PSC	00 55.4	+31 40	15.0	13.6	090	04
NGC 302		1STAR	CET	00 56.0	-10 39	99.9	99.9	262	10
NGC 304	UGC 573	GALXY	AND	00 56.1	+24 07	13.0	12.6	127	04
NGC 330		SMCGC	TUC	00 56.2	-72 29	09.6	99.9	441	24
NGC 305		6STAR	PSC	00 56.3	+12 04	99.9	99.9	172	10
NGC 312		UVSOB	PHE	00 56.3	-52 47	99.9	99.9	417	24
NGC 308		GALXY	CET	00 56.4	-01 47	14.0	99.9	217	10
NGC 301		NONEX	CET	00 56.4	-10 40	99.9	99.9	262	10
NGC 309		GALXY	CET	00 56.5	-09 57	11.9	14.0	262	10
NGC 307		GALXY	CET	00 56.6	-01 46	12.8	12.8	217	10
IC 59		BRTNB	CAS	00 56.7	+61 04	99.9	99.9	016	01
NGC 314		GALXY	SCL	00 56.8	-31 59	13.2	12.7	351	18
NGC 323		UVSOB	PHE	00 56.8	-52 59	99.9	99.9	417	24
NGC 310		1STAR	CET	00 56.9	-01 46	99.9	99.9	217	10
NGC 309A		GALXY	CET	00 57.0	-09 57	99.9	99.9	262	10
NGC 331		GALXY	CET	00 57.1	-02 46	15.5	99.9	217	10
NGC 319		GALXY	PHE	00 57.1	-43 52	13.3	13.0	387	18
NGC 328		UVSOB	PHE	00 57.1	-52 55	99.9	99.9	417	24
NGC 322		GALXY	PHE	00 57.4	-43 44	13.3	12.7	387	18
NGC 311		GALXY	PSC	00 57.6	+30 16	13.0	13.1	090	04
NGC 317A		GALXY	AND	00 57.6	+43 47	99.9	99.9	060	04
NGC 321		GALXY	CET	00 57.6	-05 00	99.9	99.9	217	10
NGC 317B		GALXY	AND	00 57.7	+43 47	99.9	99.9	060	04
NGC 339		SMCGC	TUC	00 57.7	-74 29	11.9	99.9	460	24
NGC 313		NONEX	PSC	00 57.8	+30 22	99.9	99.9	090	04
NGC 315	H II 210	GALXY	PSC	00 57.9	+30 21	11.2	13.2	090	04
NGC 316		NONEX	PSC	00 57.9	+30 21	99.9	99.9	090	04
NGC 325		GALXY	CET	00 57.9	-05 08	16.0	99.9	217	10
NGC 327		GALXY	CET	00 58.0	-05 08	13.4	13.3	217	10
NGC 318		GALXY	PSC	00 58.1	+30 25	15.0	99.9	090	04
NGC 329		GALXY	CET	00 58.1	-05 04	13.3	13.1	217	10
NGC 326	UGC 601,4Z 35	GALXY	PSC	00 58.4	+26 52	13.2	14.0	127	04
NGC 324		GALXY	PHE	00 58.6	-40 30	12.9	12.3	387	18
NGC 332	UGC 609	GALXY	PSC	00 58.8	+07 06	15.0	99.9	172	10
NGC 333A		GALXY	CET	00 58.8	-16 29	16.0	99.9	262	10
NGC 333B		GALXY	CET	00 58.8	-16 29	14.0	99.9	262	10
NGC 336		GALXY	CET	00 58.8	-18 46	12.0	99.9	307	10
MCG -03-03-011		GALXY	CET	00 58.8	-18 47	12.5	13.9	307	10
NGC 320		GALXY	CET	00 58.8	-20 50	13.5	12.4	307	18
NGC 334		GALXY	SCL	00 58.8	-35 08	13.8	13.3	351	18
NGC 335		GALXY	CET	00 59.1	-18 16	14.3	13.0	307	10
NGC 346		SMCCN	TUC	00 59.1	-72 11	10.3	99.9	441	24
IC 63		BRTNB	CAS	00 59.5	+60 49	99.9	99.9	036	01
NGC 337	H II 433	GALXY	CET	00 59.8	-07 35	11.6	13.3	262	10
MCG -06-03-015	Sculptor Dwarf	GALXY	SCL	00 59.9	-33 42	10.5	17.1	351	18
NGC 338		GALXY	PSC	01 00.6	+30 39	12.8	12.8	091	04
NGC 340		GALXY	CET	01 00.6	-06 53	14.0	99.9	262	10
NGC 342		GALXY	CET	01 00.8	-06 47	14.5	99.9	262	10
NGC 341A		GALXY	CET	01 00.8	-09 11	13.0	99.9	262	10

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NGC 343		1STAR	CET	01 00.8	-23 14	99.9	99.9	307	18
NGC 348		UVSOB	PHE	01 00.8	-53 14	99.9	99.9	417	24
IC 65	UGC 625	GALXY	AND	01 00.9	+47 41	12.8	14.3	060	04
NGC 341B		GALXY	CET	01 00.9	-09 11	15.0	99.9	262	10
Berk 62		OPNCL	CAS	01 01.0	+63 57	09.3	99.9	016	01
UGC 634		GALXY	PSC	01 01.4	+07 37	14.6	99.9	172	10
NGC 347		GALXY	CET	01 01.4	-06 49	14.5	99.9	262	10
NGC 345		GALXY	CET	01 01.4	-06 54	13.5	99.9	262	10
NGC 344		GALXY	CET	01 01.6	-23 14	99.9	99.9	307	18
NGC 337A		GALXY	CET	01 01.8	-07 36	12.2	15.6	262	10
NGC 349		GALXY	CET	01 01.9	-06 49	13.5	99.9	262	10
NGC 350		GALXY	CET	01 02.0	-06 49	15.0	99.9	262	10
NGC 351		GALXY	CET	01 02.1	-01 55	13.2	13.1	217	10
NGC 352	H III 191	GALXY	CET	01 02.2	-04 15	12.6	13.3	217	10
NGC 361		SMCGC	TUC	01 02.2	-71 33	11.8	99.9	441	24
NGC 353		GALXY	CET	01 02.6	-01 56	13.6	12.9	217	10
NGC 360		UVSOB	TUC	01 02.9	-65 36	99.9	99.9	441	24
NGC 354	UGC 645,Mrk 353	GALXY	PSC	01 03.2	+22 21	13.4	12.1	127	04
NGC 355		GALXY	CET	01 03.2	-06 20	15.0	99.9	262	10
NGC 362	Dunlop 62	GLOCL	TUC	01 03.2	-70 51	06.6	99.9	441	24
NGC 356		GALXY	CET	01 03.3	-07 00	13.5	99.9	262	10
NGC 371		SMCCN	TUC	01 03.3	-72 05	99.9	99.9	441	24
NGC 357	H II 434	GALXY	CET	01 03.4	-06 21	12.0	13.4	262	10
NGC 376		SMCGC	TUC	01 03.8	-72 49	99.9	99.9	460	24
Czernik 3	OCL 315	OPNCL	CAS	01 04.1	+62 48	09.9	99.9	016	01
NGC 365		GALXY	SCL	01 04.3	-35 09	13.5	12.8	352	18
NGC 359	UGC 662	GALXY	CET	01 04.4	-01 01	13.3	13.6	217	10
NGC 368		GALXY	PHE	01 04.4	-43 16	13.6	12.7	387	18
NGC 364		GALXY	CET	01 04.6	-01 07	13.1	13.6	217	10
IC 1613		GALXY	CET	01 04.8	+02 07	09.2	15.0	217	10
NGC 369		GALXY	CET	01 05.0	-17 47	13.8	13.3	307	10
New 1	MCG -01-03-085	GALXY	CET	01 05.1	-06 13	11.8	14.4	262	10
NGC 395		SMCCN	TUC	01 05.1	-72 00	99.9	99.9	441	24
NGC 358		OPNCL	CAS	01 05.2	+62 02	99.9	99.9	016	01
NGC 367		GALXY	CET	01 05.8	-12 07	99.9	99.9	262	10
NGC 363		GALXY	CET	01 06.1	-16 34	15.0	99.9	262	10
NGC 378		GALXY	SCL	01 06.2	-30 11	13.1	13.5	352	18
NGC 377		3STAR	CET	01 06.3	-20 03	99.9	99.9	307	18
NGC 366		OPNCL	CAS	01 06.4	+62 14	12.0	99.9	016	01
NGC 370		NONEX	PSC	01 06.6	+32 25	99.9	99.9	091	04
NGC 372		3STAR	PSC	01 06.7	+32 26	99.9	99.9	091	04
NGC 373		GALXY	PSC	01 07.0	+32 18	99.9	99.9	091	04
NGC 375	Arp 331	GALXY	PSC	01 07.1	+32 21	16.0	99.9	091	04
NGC 374		GALXY	PSC	01 07.1	+32 46	13.4	12.5	091	04
NGC 380	H II 216	GALXY	PSC	01 07.3	+32 29	12.5	13.1	091	04
NGC 379	H II 215	GALXY	PSC	01 07.3	+32 31	12.9	12.8	091	04
NGC 384	UGC 686,Arp 331	GALXY	PSC	01 07.4	+32 18	13.1	13.1	091	04
NGC 382	UGC 688,Arp 331	GALXY	PSC	01 07.4	+32 24	13.2	12.3	091	04
NGC 383	H II 217	GALXY	PSC	01 07.4	+32 25	12.4	13.1	091	04

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NGC 406		GALXY	TUC	01 07.4	-69 53	12.5	13.9	441	24
NGC 391		GALXY	CET	01 07.5	+00 56	13.4	12.8	217	10
NGC 385	UGC 687,Arp 331	GALXY	PSC	01 07.5	+32 19	13.0	12.9	091	04
NGC 386		GALXY	PSC	01 07.5	+32 22	14.3	14.0	091	04
NGC 387		GALXY	PSC	01 07.5	+32 23	99.9	99.9	091	04
IC 1625	ESO 243-G033	GALXY	PHE	01 07.7	-46 54	11.9	12.6	387	18
NGC 388		GALXY	PSC	01 07.8	+32 19	14.3	14.0	091	04
NGC 411		SMCGC	TUC	01 07.9	-71 46	11.0	99.9	441	24
NGC 396		GALXY	PSC	01 08.1	+04 32	16.0	99.9	217	10
NGC 390		GALXY	PSC	01 08.1	+32 27	99.9	99.9	091	04
NGC 416		SMCGC	TUC	01 08.1	-72 21	11.0	99.9	441	24
NGC 381	H VIII 64	OPNCL	CAS	01 08.3	+61 35	09.3	99.9	016	01
NGC 405		2STAR	PHE	01 08.3	-46 40	99.9	99.9	387	18
NGC 419		SMCGC	TUC	01 08.3	-72 53	10.0	99.9	460	24
NGC 392	H II 218	GALXY	PSC	01 08.4	+33 07	12.7	12.7	091	04
NGC 394		GALXY	PSC	01 08.4	+33 08	15.0	99.9	091	04
NGC 397		GALXY	PSC	01 08.5	+33 06	15.5	99.9	091	04
NGC 389		GALXY	AND	01 08.5	+39 42	13.8	13.0	060	04
NGC 393	H I 54	GALXY	AND	01 08.6	+39 40	12.5	13.4	060	04
UGC 711	MCG +00-04-008	GALXY	CET	01 08.7	+01 39	14.0	99.9	217	10
NGC 398		GALXY	PSC	01 08.8	+32 30	15.5	99.9	091	04
NGC 399		GALXY	PSC	01 09.0	+32 37	13.6	12.9	091	04
NGC 400		NONEX	PSC	01 09.0	+32 44	99.9	99.9	091	04
NGC 401		NONEX	PSC	01 09.1	+32 46	99.9	99.9	091	04
NGC 402		NONEX	PSC	01 09.2	+32 49	99.9	99.9	091	04
NGC 403	UGC 715	GALXY	PSC	01 09.3	+32 45	12.5	12.6	091	04
NGC 404	H II 224	GALXY	AND	01 09.5	+35 43	10.3	12.8	091	04
NGC 422		SMCOG	TUC	01 09.5	-71 45	12.5	99.9	441	24
NGC 409		GALXY	SCL	01 09.7	-35 46	13.0	13.3	352	18
NGC 415		GALXY	SCL	01 10.2	-35 29	13.5	13.5	352	18
NGC 412		NONEX	CET	01 10.3	-20 01	99.9	99.9	307	18
NGC 407	H II 219	GALXY	PSC	01 10.6	+33 07	13.4	12.9	091	04
NGC 418		GALXY	SCL	01 10.6	-30 13	12.6	13.8	352	18
NGC 408		GALXY	PSC	01 10.9	+33 06	99.9	99.9	091	04
NGC 410	H II 220	GALXY	PSC	01 11.0	+33 09	11.5	12.7	091	04
NGC 417		GALXY	CET	01 11.1	-18 10	14.1	12.8	307	10
NGC 414		GALXY	PSC	01 11.3	+33 06	14.5	99.9	091	04
NGC 424		GALXY	SCL	01 11.3	-38 07	12.8	13.1	352	18
NGC 423		GALXY	SCL	01 11.4	-29 13	13.4	12.1	352	18
IC 1639	UGC 750	GALXY	CET	01 11.8	-00 39	13.6	12.1	217	10
NGC 432		UVSOB	TUC	01 11.8	-61 36	99.9	99.9	441	24
NGC 420	H III 154	GALXY	PSC	01 12.1	+32 06	12.1	13.5	091	04
NGC 421	H III 155	NONEX	PSC	01 12.1	+32 09	99.9	99.9	091	04
NGC 434		GALXY	TUC	01 12.2	-58 15	12.0	12.9	417	24
Stock 3		OPNCL	CAS	01 12.3	+62 20	99.9	99.9	016	01
NGC 427		GALXY	SCL	01 12.5	-32 03	14.1	13.5	352	18
NGC 434A		GALXY	TUC	01 12.5	-58 13	14.7	13.4	417	24
NGC 413		GALXY	CET	01 12.6	-02 47	16.0	99.9	217	10
NGC 426	H III 592	GALXY	CET	01 12.9	-00 17	12.9	13.2	217	10

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NGC 440		GALXY	TUC	01 12.9	-58 17	13.2	12.8	417	24
NGC 428	H II 622	GALXY	CET	01 13.0	+00 59	11.5	14.1	217	10
NGC 425		GALXY	AND	01 13.0	+38 48	12.6	12.4	091	04
NGC 429	H III 593	GALXY	CET	01 13.0	-00 20	13.4	12.3	217	10
NGC 430	H II 447	GALXY	CET	01 13.1	-00 15	12.5	12.9	217	10
NGC 438		GALXY	SCL	01 13.4	-37 56	12.8	13.1	352	18
NGC 439		GALXY	SCL	01 13.9	-31 44	11.5	12.8	352	18
NGC 435		GALXY	CET	01 14.0	+02 04	14.2	13.3	217	10
NGC 441		GALXY	SCL	01 14.0	-31 47	12.7	13.1	352	18
NGC 456		SMCCN	TUC	01 14.0	-73 16	99.9	99.9	461	24
NGC 431		GALXY	AND	01 14.2	+33 44	12.9	12.9	091	04
NGC 454		UVSOB	PHE	01 14.3	-55 24	99.9	99.9	417	24
NGC 437		GALXY	PSC	01 14.4	+05 56	12.8	13.0	172	10
NGC 442	UGC 789	GALXY	CET	01 14.7	-01 01	13.4	12.5	217	10
NGC 458		SMCGC	TUC	01 14.8	-71 32	10.5	99.9	441	24
NGC 460		SMCCN	TUC	01 14.8	-72 18	99.9	99.9	441	24
NGC 445		GALXY	CET	01 14.9	+01 56	14.1	13.2	217	10
NGC 446	IC 89	GALXY	PSC	01 14.9	+04 11	15.5	99.9	217	10
NGC 443	IC 1653	GALXY	PSC	01 15.1	+33 23	13.0	12.3	091	04
NGC 433		OPNCL	CAS	01 15.3	+60 08	99.9	99.9	036	01
NGC 448	H II 531	GALXY	CET	01 15.3	-01 37	12.1	12.2	217	10
NGC 450	H III 440	GALXY	CET	01 15.5	-00 52	11.5	13.5	217	10
NGC 447	IC 1556	GALXY	PSC	01 15.6	+33 04	14.0	15.5	091	04
NGC 436	H VII 45	OPNCL	CAS	01 15.6	+58 49	08.8	99.9	036	01
NGC 465		SMCOG	TUC	01 15.8	-73 19	99.9	99.9	461	24
NGC 444	IC 1658	GALXY	PSC	01 15.9	+31 05	14.3	13.9	091	04
NGC 455	UGC 815,Arp 164	GALXY	PSC	01 16.0	+05 11	12.6	13.4	217	10
NGC 449	IC 1656	GALXY	PSC	01 16.1	+33 06	14.2	13.0	091	04
NGC 451	IC 1661	GALXY	PSC	01 16.2	+33 04	13.9	12.5	091	04
NGC 452		GALXY	PSC	01 16.3	+31 02	12.6	13.2	091	04
NGC 453		3STAR	PSC	01 16.3	+33 03	99.9	99.9	091	04
NGC 461		GALXY	SCL	01 16.3	-33 57	13.4	13.3	352	18
AND II		GALXY	PSC	01 16.4	+33 27	13.5	99.9	091	04
NGC 466		UVSOB	TUC	01 17.2	-58 55	99.9	99.9	417	24
NGC 459	H III 205	GALXY	PSC	01 18.0	+17 33	14.4	14.1	127	10
NGC 462		GALXY	PSC	01 18.1	+04 14	99.9	99.9	217	10
NGC 463		GALXY	PSC	01 18.9	+16 19	15.0	99.9	172	10
NGC 464		GALXY	AND	01 19.0	+34 58	99.9	99.9	091	04
NGC 457	H VII 42	OPNCL	CAS	01 19.1	+58 20	06.4	99.9	036	01
NGC 467	H I 108	GALXY	PSC	01 19.2	+03 18	11.9	12.9	217	10
NGC 469		GALXY	PSC	01 19.4	+14 53	15.0	99.9	172	10
NGC 484		UVSOB	TUC	01 19.6	-58 32	99.9	99.9	417	24
NGC 470	H III 250	GALXY	PSC	01 19.8	+03 25	11.8	13.4	217	10
NGC 473		GALXY	PSC	01 19.8	+16 33	12.5	13.1	172	10
NGC 468	IC 92	GALXY	PSC	01 19.8	+32 47	15.0	99.9	091	04
NGC 471	UGC 861	GALXY	PSC	01 19.9	+14 47	13.3	12.8	172	10
NGC 491A		GALXY	SCL	01 19.9	-33 52	13.8	14.3	352	18
NGC 475		GALXY	PSC	01 20.0	+14 51	99.9	99.9	172	10
NGC 474	H III 251	GALXY	PSC	01 20.1	+03 25	11.5	15.5	218	10

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NGC 476		GALXY	PSC	01	20.2	+16 01	15.0	99.9	173	10
NGC 478	H III 252	GALXY	CET	01	20.2	-22 22	15.0	99.9	308	18
NGC 482		GALXY	PHE	01	20.3	-40 57	13.7	13.7	388	18
NGC 472		GALXY	PSC	01	20.5	+32 43	14.0	99.9	091	04
NGC 480		NONEX	CET	01	20.9	-09 52	99.9	99.9	263	10
NGC 481		GALXY	CET	01	21.0	-09 12	14.0	99.9	263	10
UGC 891		GALXY	PSC	01	21.2	+12 25	14.3	99.9	173	10
NGC 479		GALXY	PSC	01	21.3	+03 52	13.9	13.7	218	10
NGC 477	H III 577	GALXY	AND	01	21.3	+40 29	13.0	13.9	061	04
NGC 485	UGC 895	GALXY	PSC	01	21.4	+07 01	13.0	12.9	173	10
NGC 491		GALXY	SCL	01	21.4	-34 03	12.5	12.8	352	18
NGC 488		GALXY	PSC	01	21.8	+05 16	10.3	13.4	218	10
NGC 489		GALXY	PSC	01	21.8	+09 12	12.6	11.9	173	10
NGC 487		GALXY	CET	01	21.8	-16 21	14.0	99.9	263	10
NGC 483	UGC 906	GALXY	PSC	01	22.0	+33 32	13.1	12.3	091	04
NGC 490		GALXY	PSC	01	22.1	+05 22	14.3	13.1	218	10
NGC 486		GALXY	PSC	01	22.1	+05 24	15.5	99.9	218	10
NGC 493	H III 594	GALXY	CET	01	22.2	+00 57	12.5	13.7	218	10
NGC 492		GALXY	PSC	01	22.2	+05 25	15.5	99.9	218	10
NGC 497	UGC 915,Arp 8	GALXY	CET	01	22.4	-00 53	13.0	13.5	218	10
NGC 500		GALXY	PSC	01	22.7	+05 24	15.0	99.9	218	10
NGC 502	UGC 922	GALXY	PSC	01	22.8	+09 03	12.8	12.9	173	10
NGC 505		GALXY	PSC	01	22.9	+09 28	13.8	13.1	173	10
NGC 495	H III 156	GALXY	PSC	01	22.9	+33 29	12.9	12.9	091	04
NGC 494		GALXY	PSC	01	23.0	+33 11	12.9	13.2	091	04
NGC 499	H III 158	GALXY	PSC	01	23.2	+33 28	12.1	12.8	091	04
NGC 498		GALXY	PSC	01	23.3	+33 30	16.0	99.9	091	04
NGC 496	H III 157	GALXY	PSC	01	23.3	+33 33	13.3	13.5	091	04
NGC 509	UGC 932	GALXY	PSC	01	23.4	+09 26	13.4	13.2	173	10
NGC 501		GALXY	PSC	01	23.4	+33 27	14.5	99.9	091	04
NGC 511		GALXY	PSC	01	23.5	+11 17	13.7	14.1	173	10
NGC 504	UGC 935	GALXY	PSC	01	23.5	+33 13	13.0	12.6	091	04
NGC 503		GALXY	PSC	01	23.5	+33 21	14.1	99.9	091	04
NGC 506		NONEX	PSC	01	23.6	+33 14	99.9	99.9	091	04
NGC 507	H III 159	GALXY	PSC	01	23.6	+33 16	11.2	13.5	091	04
NGC 508	H III 160	GALXY	PSC	01	23.6	+33 18	13.1	13.6	091	04
NGC 510		GALXY	PSC	01	23.7	+33 26	99.9	99.9	091	04
NGC 513	H III 169	GALXY	AND	01	23.8	+33 49	12.9	11.1	091	04
NGC 526		GALXY	SCL	01	23.9	-35 03	13.7	12.8	352	18
NGC 514	H II 252	GALXY	PSC	01	24.0	+12 56	11.6	13.9	173	10
NGC 512	UGC 944	GALXY	AND	01	24.0	+33 55	13.2	12.4	091	04
NGC 527		GALXY	SCL	01	24.0	-35 06	13.0	12.6	352	18
NGC 516		GALXY	PSC	01	24.1	+09 33	13.1	12.7	173	10
NGC 518	UGC 952	GALXY	PSC	01	24.3	+09 20	13.3	13.1	173	10
NGC 519		GALXY	CET	01	24.5	-01 38	14.3	12.1	218	10
NGC 521	H II 461	GALXY	CET	01	24.6	+01 44	11.7	14.0	218	10
NGC 520	H III 253	GALXY	PSC	01	24.6	+03 48	11.4	13.6	218	10
NGC 515	H III 167	GALXY	PSC	01	24.6	+33 29	13.0	13.4	091	04
NGC 540		GALXY	CET	01	24.6	-19 54	99.9	99.9	308	10

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NGC 534		GALXY	SCL	01 24.6	-38 07	13.4	13.3	352	18
NGC 522	UGC 970	GALXY	PSC	01 24.7	+10 00	12.9	13.0	173	10
NGC 517	H III 168	GALXY	PSC	01 24.7	+33 27	12.4	13.0	091	04
NGC 530	IC 1696,UGC 965	GALXY	CET	01 24.7	-01 34	13.0	12.3	218	10
NGC 524	H I 151	GALXY	PSC	01 24.8	+09 33	10.3	12.3	173	10
NGC 525	UGC 972	GALXY	PSC	01 24.8	+09 42	13.2	13.1	173	10
NGC 549		GALXY	SCL	01 25.0	-37 59	13.5	13.3	352	18
NGC 546		GALXY	SCL	01 25.1	-38 03	13.6	13.2	352	18
NGC 544		GALXY	SCL	01 25.1	-38 05	13.4	13.3	352	18
NGC 532	H III 556	GALXY	PSC	01 25.3	+09 16	12.9	13.5	173	10
NGC 523	H III 170?	GALXY	AND	01 25.3	+34 02	12.7	13.2	091	04
NGC 539		GALXY	CET	01 25.3	-18 09	13.5	14.1	308	10
NGC 528	UGC 988	GALXY	AND	01 25.5	+33 41	12.5	13.1	091	04
Abell 194		GALCL	PSC	01 25.5	-01 22	13.0	99.9	218	10
NGC 538	UGC 991	GALXY	CET	01 25.5	-01 32	13.7	12.8	218	10
NGC 533	H II 462	GALXY	CET	01 25.6	+01 46	11.4	13.8	218	10
NGC 535	UGC 997	GALXY	CET	01 25.6	-01 23	13.8	12.4	218	10
NGC 529	UGC 955	GALXY	AND	01 25.7	+34 44	12.1	13.8	091	04
NGC 541	UGC 1004	GALXY	CET	01 25.8	-01 21	12.1	13.2	218	10
NGC 543		GALXY	CET	01 25.9	-01 16	13.1	10.9	218	10
NGC 545	H II 448	GALXY	CET	01 26.0	-01 20	12.2	13.5	218	10
NGC 547A		GALXY	CET	01 26.0	-01 20	99.9	99.9	218	10
NGC 548		GALXY	CET	01 26.1	-01 13	13.7	13.2	218	10
NGC 547	H II 449	GALXY	CET	01 26.1	-01 20	12.2	12.7	218	10
NGC 537	H III 170	NONEX	AND	01 26.3	+34 05	99.9	99.9	091	04
NGC 531		GALXY	AND	01 26.3	+34 45	13.8	13.6	091	04
MCG -01-04-044		GALXY	CET	01 26.3	-06 04	12.5	99.9	263	10
NGC 536	H III 171	GALXY	AND	01 26.4	+34 43	12.4	13.4	091	04
NGC 542		GALXY	AND	01 26.5	+34 41	14.7	12.9	091	04
NGC 557		GALXY	CET	01 26.5	-01 38	13.5	13.5	218	10
NGC 550	H II 463	GALXY	CET	01 26.7	+02 02	12.7	12.5	218	10
NGC 567		GALXY	CET	01 26.9	-10 15	14.0	99.9	263	10
NGC 556		GALXY	CET	01 27.0	-22 47	14.4	12	308	18
NGC 563		GALXY	CET	01 27.1	-18 38	13.3	13.1	308	10
NGC 554		GALXY	CET	01 27.2	-22 43	15.0	99.9	308	18
NGC 555		GALXY	CET	01 27.2	-22 45	14.1	13.2	308	18
NGC 558	IC 117	GALXY	CET	01 27.3	-01 58	14.3	11.1	218	10
NGC 560	H III 441	GALXY	CET	01 27.5	-01 55	13.0	12.9	218	10
NGC 551	H III 560	GALXY	AND	01 27.6	+37 11	12.7	12.9	091	04
NGC 552	H III 172	NONEX	PSC	01 27.8	+33 28	99.9	99.9	091	04
NGC 553	H III 173	NONEX	PSC	01 27.8	+33 28	99.9	99.9	091	04
NGC 564	H III 442	GALXY	CET	01 27.8	-01 53	12.5	13.1	218	10
NGC 568	IC 1709	GALXY	SCL	01 27.9	-35 43	12.6	13.7	352	18
NGC 561		GALXY	AND	01 28.2	+34 19	12.9	13.7	091	04
NGC 565	UGC 1052	GALXY	CET	01 28.2	-01 17	13.5	12.6	218	10
NGC 562	UGC 1049	GALXY	AND	01 28.4	+48 23	13.3	13.4	061	04
NGC 572		GALXY	SCL	01 28.6	-39 18	14.1	13.4	388	18
NGC 576		UVSOB	PHE	01 28.9	-51 35	99.9	99.9	417	24
NGC 566		GALXY	PSC	01 29.0	+32 21	13.5	12.9	091	04

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NGC 570	UGC 1061	GALXY	CET	01 29.0	-00 57	12.8	13.3	218	10
NGC 574		GALXY	SCL	01 29.0	-35 35	13.3	13.0	352	18
NGC 569	UGC 1063	GALXY	PSC	01 29.1	+11 09	13.6	12.7	173	10
NGC 559	H VII 48	OPNCL	CAS	01 29.5	+63 18	09.5	99.9	016	01
NGC 602		SMCCN	HYI	01 29.6	-73 33	99.9	99.9	461	24
NGC 583		GALXY	CET	01 29.7	-18 19	14.1	13.0	308	10
UGC 1072		GALXY	CET	01 29.8	-01 15	14.0	99.9	218	10
NGC 571		GALXY	PSC	01 29.9	+32 31	13.6	14.0	091	04
NGC 578		GALXY	CET	01 30.4	-22 40	10.9	13.7	308	18
Sh2-188		BRTNB	CAS	01 30.6	+58 22	99.9	99.9	037	01
NGC 577	NGC 580	GALXY	CET	01 30.7	-01 59	12.9	13.8	218	10
NGC 575	IC 1710	GALXY	PSC	01 30.8	+21 26	12.8	13.7	128	04
NGC 643A		GALXY	HYI	01 30.8	-76 03	99.9	99.9	461	24
NGC 573	UGC 1078	GALXY	AND	01 30.9	+41 16	13.1	10.9	061	04
NGC 580		NONEX	CET	01 31.1	-01 59	99.9	99.9	218	10
NGC 584	IC 1712,H I 100	GALXY	CET	01 31.3	-06 51	10.5	12.9	263	10
NGC 586		GALXY	CET	01 31.6	-06 54	13.2	13.2	263	10
NGC 579	UGC 1089	GALXY	TRI	01 31.7	+33 38	13.3	13.3	091	04
NGC 585	UGC 1092	GALXY	CET	01 31.7	-00 55	13.1	13.0	218	10
NGC 582	UGC 1094	GALXY	TRI	01 31.9	+33 30	13.2	13.3	091	04
NGC 597		GALXY	SCL	01 32.2	-33 29	13.1	13.6	352	18
NGC 593		GALXY	CET	01 32.3	-12 21	14.0	99.9	263	10
NGC 587	IC 1713	GALXY	TRI	01 32.5	+35 22	12.8	13.3	091	04
UGC 1102	Arp 306A	GALXY	PSC	01 32.6	+04 35	13.9	99.9	218	10
NGC 589		GALXY	CET	01 32.6	-12 02	14.0	99.9	263	10
NGC 588		GX+DN	TRI	01 32.7	+30 40	99.9	99.9	091	04
NGC 596	H II 4	GALXY	CET	01 32.8	-07 01	10.9	13.0	263	10
NGC 599	H II 473	GALXY	CET	01 32.8	-12 11	13.0	99.9	263	10
NGC 594		GALXY	CET	01 33.0	-16 32	14.0	99.9	263	10
NGC 592		GX+DN	TRI	01 33.2	+30 39	99.9	99.9	091	04
NGC 581	M 103	OPNCL	CAS	01 33.2	+60 42	07.4	99.9	037	01
NGC 600	H III 432	GALXY	CET	01 33.3	-07 19	12.4	14.6	263	10
NGC 601		GALXY	CET	01 33.3	-12 12	99.9	99.9	263	10
NGC 595		GX+DN	TRI	01 33.5	+30 42	99.9	99.9	091	04
NGC 591	UGC 1111	GALXY	AND	01 33.5	+35 41	12.9	13.0	091	04
NGC 590	UGC 1109	GALXY	AND	01 33.6	+44 56	12.9	14.1	061	04
NGC 598	M 33	GALXY	TRI	01 33.9	+30 40	05.7	14.2	091	04
NGC 617		GALXY	CET	01 33.9	-09 47	15.0	99.9	263	10
NGC 612		GALXY	SCL	01 33.9	-36 29	12.9	13.1	352	18
NGC 603		3STAR	TRI	01 34.3	+30 12	99.9	99.9	091	04
NGC 611		NONEX	CET	01 34.3	-20 08	99.9	99.9	308	18
NGC 610		NONEX	CET	01 34.3	-20 09	99.9	99.9	308	18
NGC 613	H I 281	GALXY	SCL	01 34.3	-29 24	10.1	13.3	352	18
NGC 607		NONEX	CET	01 34.4	-07 25	99.9	99.9	263	10
NGC 604	H III 150	GX+DN	TRI	01 34.5	+30 48	99.9	99.9	091	04
NGC 619		GALXY	SCL	01 34.8	-36 28	13.5	13.8	352	18
NGC 606	UGC 1126	GALXY	PSC	01 34.9	+21 26	13.4	13.9	128	04
NGC 623		GALXY	SCL	01 35.0	-36 29	12.5	13.6	352	18
NGC 605		GALXY	AND	01 35.1	+41 16	12.9	13.8	061	04

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NGC 615	H II 282	GALXY	CET	01 35.1	-07 19	11.6	13.3	263	10
NGC 625		GALXY	PHE	01 35.1	-41 25	11.1	13.6	388	18
NGC 643		SMCGC	HYI	01 35.1	-75 33	13.5	99.9	461	24
NGC 626		GALXY	SCL	01 35.2	-39 08	12.7	13.9	388	18
NGC 608		GALXY	TRI	01 35.4	+33 41	13.2	12.2	091	04
NGC 630		GALXY	SCL	01 35.6	-39 21	12.5	13.3	388	18
Tr 1	Cr 15	OPNCL	CAS	01 35.7	+61 17	08.1	99.9	016	01
NGC 624	H III 471	GALXY	CET	01 35.7	-10 00	14.0	99.9	263	10
NGC 614	H III 174	GALXY	TRI	01 35.8	+33 42	12.7	13.3	091	04
Czernik 4		OPNCL	CAS	01 35.9	+61 26	99.9	99.9	016	01
NGC 622	H III 454	GALXY	CET	01 36.0	+00 41	12.9	13.7	218	10
NGC 616		2STAR	TRI	01 36.0	+33 46	99.9	99.9	091	04
NGC 618		NONEX	TRI	01 36.2	+33 24	99.9	99.9	091	04
NGC 633		GALXY	SCL	01 36.4	-37 18	12.7	12.9	352	18
NGC 628	M 74	GALXY	PSC	01 36.6	+15 48	09.4	14.2	173	10
NGC 621	UGC 1147	GALXY	TRI	01 36.7	+35 32	12.7	13.9	091	04
NGC 631		GALXY	PSC	01 36.8	+05 51	13.3	14.3	173	10
NGC 627		NONEX	TRI	01 37.0	+33 35	99.9	99.9	091	04
NGC 620		GALXY	AND	01 37.0	+42 20	14.0	99.9	061	04
NGC 609		OPNCL	CAS	01 37.2	+64 33	11.0	99.9	016	01
NGC 632	UGC 1157	GALXY	PSC	01 37.3	+05 53	12.3	12.8	173	10
PK130-11.1	M1-1	PLNNB	AND	01 37.3	+50 28	14.3	99.9	037	01
NGC 646		UVSOB	HYI	01 37.4	-64 54	99.9	99.9	441	24
3C 48		QUASR	TRI	01 37.6	+33 06	16.0	99.9	091	04
NGC 634		GALXY	TRI	01 38.2	+35 23	13.0	13.1	091	04
NGC 635		NONEX	CET	01 38.3	-19 56	99.9	99.9	308	10
NGC 648	IC 146	GALXY	CET	01 38.7	-17 50	14.0	99.9	308	10
NGC 641		GALXY	PHE	01 38.7	-42 31	12.1	12.7	388	18
NGC 639		GALXY	SCL	01 38.9	-29 55	14.1	12.3	352	18
NGC 644		GALXY	PHE	01 38.9	-42 35	14.0	13.6	388	18
NGC 642		GALXY	SCL	01 39.0	-29 54	12.9	13.6	352	18
NGC 636	H II 283	GALXY	CET	01 39.1	-07 29	11.5	13.4	263	10
NGC 643B		GALXY	HYI	01 39.2	-75 01	13.6	12.7	461	24
NGC 640		GALXY	CET	01 39.3	-09 23	15.0	99.9	263	10
NGC 638	UGC 1170	GALXY	PSC	01 39.6	+07 14	13.8	12.7	173	10
NGC 647		GALXY	CET	01 39.8	-09 13	14.0	99.9	263	10
NGC 649		GALXY	CET	01 40.0	-09 14	15.0	99.9	263	10
NGC 645	UGC 1177	GALXY	PSC	01 40.2	+05 44	12.6	13.7	173	10
NGC 629		NONEX	CAS	01 40.3	+72 53	99.9	99.9	004	01
NGC 652	UGC 1184	GALXY	PSC	01 40.7	+07 59	13.6	12.8	173	10
NGC 643C		GALXY	HYI	01 41.9	-75 15	14.9	13.3	461	24
NGC 658	UGC 1196	GALXY	PSC	01 42.0	+12 36	12.5	14.0	173	10
NGC 655		GALXY	CET	01 42.0	-13 04	14.0	99.9	263	10
NGC 2573		GALXY	OCT	01 42.0	-89 20	13.5	13.8	473	24
NGC 651	M 76	PLNNB	PER	01 42.3	+51 34	11.0	99.9	037	01
UGC 1195	MCG -02-05-011	GALXY	PSC	01 42.4	+13 58	13.2	99.9	173	10
NGC 666		GALXY	PSC	01 42.4	+26 09	13.4	12.2	128	04
NGC 653		GALXY	AND	01 42.4	+35 39	13.4	12.1	092	04
NGC 650	M 76	PLNNB	PER	01 42.4	+51 34	11.0	99.9	037	01

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UGC 1197		GALXY	PSC	01	42.5	+18 18	15.0	99.9	128	10
NGC 660	H II 253	GALXY	PSC	01	42.9	+13 39	11.2	14.6	173	10
NGC 637	H VII 49	OPNCL	CAS	01	42.9	+64 00	08.2	99.9	016	01
NGC 657		OPNCL	CAS	01	43.7	+55 53	99.9	99.9	037	01
NGC 664		GALXY	PSC	01	43.8	+04 15	12.8	13.4	218	10
NGC 654	H VII 46	OPNCL	CAS	01	44.1	+61 53	06.5	99.9	016	01
NGC 661	H II 610	GALXY	TRI	01	44.2	+28 43	12.2	13.2	092	04
NGC 659	H VIII 65	OPNCL	CAS	01	44.2	+60 42	07.9	99.9	037	01
NGC 662		GALXY	AND	01	44.6	+37 42	12.9	11.8	092	04
NGC 665	H II 588	GALXY	PSC	01	44.8	+10 26	12.1	13.5	173	10
NGC 667		GALXY	CET	01	45.1	-22 56	14.2	12.9	308	18
IC 156		GALXY	PSC	01	45.5	+10 33	13.5	13.9	173	10
NGC 666		GALXY	TRI	01	46.0	+34 23	13.4	12.2	092	04
NGC 663	H VI 31	OPNCL	CAS	01	46.0	+61 15	07.1	99.9	016	01
NGC 668		GALXY	AND	01	46.4	+36 27	13.1	13.8	092	04
NGC 671		GALXY	ARI	01	46.9	+13 06	13.2	12.7	173	10
NGC 669		GALXY	TRI	01	47.3	+35 32	12.3	12.8	092	04
NGC 670	H II 611	GALXY	TRI	01	47.4	+27 52	12.7	13.3	128	04
IC 1727	UGC 1249	GALXY	TRI	01	47.5	+27 20	11.5	14.7	128	04
NGC 685		GALXY	ERI	01	47.7	-52 47	11.0	13.6	418	24
NGC 690		GALXY	CET	01	47.8	-16 43	14.2	14.1	263	10
NGC 672	H I 157	GALXY	TRI	01	47.9	+27 25	10.9	13.9	128	04
NGC 673	H II 589	GALXY	ARI	01	48.2	+11 31	12.6	13.8	173	10
Cr 463		OPNCL	CAS	01	48.4	+71 57	05.7	99.9	017	01
Berk 5		OPNCL	CAS	01	48.5	+62 56	99.9	99.9	017	01
NGC 692		UVSOB	PHE	01	48.8	-48 39	99.9	99.9	388	18
NGC 676	H IV 42	GALXY	PSC	01	48.9	+05 54	10.5	99.9	173	10
NGC 675	UGC 1273	GALXY	ARI	01	49.0	+13 02	15.5	99.9	173	10
NGC 682	H II 501	GALXY	CET	01	49.0	-14 59	13.0	99.9	263	10
NGC 686	H III 459	GALXY	FOR	01	49.0	-23 48	12.4	13.2	308	18
NGC 677	UGC 1275	GALXY	ARI	01	49.1	+13 02	12.2	13.7	173	10
NGC 681	H II 481	GALXY	CET	01	49.1	-10 26	12.0	13.4	263	10
NGC 674		NONEX	ARI	01	49.2	+22 20	99.9	99.9	128	04
IC 163	UGC 1276	GALXY	ARI	01	49.3	+20 42	13.1	13.4	128	04
NGC 678	H II 228	GALXY	ARI	01	49.4	+21 59	12.2	13.4	128	04
NGC 696		GALXY	FOR	01	49.4	-34 55	13.3	13.3	353	18
NGC 683	UGC 1288	GALXY	ARI	01	49.6	+11 41	13.5	13.3	173	10
UGC 1281		GALXY	TRI	01	49.6	+32 35	12.6	99.9	092	04
NGC 698		GALXY	FOR	01	49.6	-34 50	13.9	13.4	353	18
NGC 680	H II 229	GALXY	ARI	01	49.8	+21 57	11.9	13.1	128	04
NGC 679	H III 175	GALXY	AND	01	49.8	+35 46	12.3	13.8	092	04
NGC 689		GALXY	FOR	01	49.9	-27 28	13.6	13.0	308	18
Cr 21		OPNCL	TRI	01	50.1	+27 15	08.2	99.9	128	04
NGC 684	IC 165	GALXY	TRI	01	50.2	+27 38	12.4	12.9	128	04
NGC 693	H II 859	GALXY	PSC	01	50.5	+06 08	12.4	13.1	173	10
NGC 687	H III 561	GALXY	AND	01	50.6	+36 21	12.3	12.9	092	04
NGC 699		GALXY	CET	01	50.6	-12 03	14.0	99.9	263	10
NGC 691	H II 617	GALXY	ARI	01	50.7	+21 45	11.4	13.7	128	04
NGC 688		GALXY	TRI	01	50.8	+35 16	12.7	13.9	092	04

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NGC 694		GALXY	ARI	01 51.0	+21 59	13.7	16.0	128	04
NGC 701	H I 62	GALXY	CET	01 51.0	-09 42	12.2	13.2	263	10
NGC 707		GALXY	CET	01 51.2	-08 30	14.0	99.9	263	10
NGC 697	H III 179	GALXY	ARI	01 51.3	+22 21	12.0	13.9	128	04
NGC 695	H II 618	GALXY	ARI	01 51.3	+22 34	12.8	12.1	128	04
NGC 702	H III 192	GALXY	CET	01 51.3	-04 03	13.1	13.6	218	10
NGC 706	H II 596	GALXY	PSC	01 51.8	+06 17	12.5	13.4	173	10
Berk 6		OPNCL	CAS	01 51.9	+61 05	99.9	99.9	017	01
NGC 700		GALXY	AND	01 52.2	+36 04	14.4	13.2	092	04
IC 166		OPNCL	CAS	01 52.2	+61 50	11.7	99.9	017	01
NGC 711	UGC 1342	GALXY	ARI	01 52.5	+17 30	13.1	13.2	129	10
NGC 725		GALXY	CET	01 52.6	-16 31	14.0	99.9	264	10
NGC 704	H III 563	GALXY	AND	01 52.7	+36 06	14.0	99.9	092	04
Abell 262		GALCL	AND	01 52.7	+36 09	13.0	99.9	092	04
NGC 705	H III 564	GALXY	AND	01 52.8	+36 08	13.6	12.3	092	04
NGC 703	H III 562	GALXY	AND	01 52.8	+36 10	13.3	13.2	092	04
Stock 4		OPNCL	PER	01 52.8	+57 04	99.9	99.9	037	01
NGC 716	IC 1743	GALXY	ARI	01 52.9	+12 32	12.9	13.1	174	10
NGC 708	H III 565	GALXY	AND	01 52.9	+36 09	12.7	14.9	092	04
NGC 709		GALXY	AND	01 52.9	+36 13	14.3	99.9	092	04
NGC 710		GALXY	AND	01 53.0	+36 02	13.7	14.0	092	04
NGC 720	H I 105	GALXY	CET	01 53.0	-13 44	10.2	12.8	264	10
NGC 715		GALXY	CET	01 53.1	-12 53	15.0	99.9	264	10
NGC 718	H II 270	GALXY	PSC	01 53.2	+04 11	11.7	13.3	219	10
NGC 712		GALXY	AND	01 53.2	+36 48	12.8	12.9	092	04
NGC 714		GALXY	AND	01 53.6	+36 12	13.1	12.3	092	04
NGC 719	IC 1744	GALXY	ARI	01 53.7	+19 49	13.2	13.6	129	10
PK131- 5.1	BV 3	PLNNB	CAS	01 53.7	+56 25	14.2	99.9	037	01
NGC 727		GALXY	FOR	01 53.7	-35 52	14.0	13.4	353	18
NGC 724		NONEX	FOR	01 53.8	-23 52	99.9	99.9	309	18
NGC 723	NGC 724,HIII 460	GALXY	CET	01 53.9	-23 46	12.4	13.0	309	18
NGC 717		GALXY	AND	01 54.0	+36 13	13.9	12.5	092	04
NGC 729		2STAR	FOR	01 54.0	-35 49	99.9	99.9	353	18
NGC 745		UVSOB	ERI	01 54.1	-56 42	99.9	99.9	418	24
NGC 754		UVSOB	ERI	01 54.4	-56 46	99.9	99.9	418	24
NGC 756		GALXY	CET	01 54.5	-16 43	15.0	99.9	264	10
NGC 722	UGC 1379	GALXY	ARI	01 54.8	+20 41	13.4	13.1	129	04
NGC 721		GALXY	AND	01 54.8	+39 22	13.5	13.9	061	04
NGC 734		GALXY	CET	01 54.8	-17 03	99.9	99.9	309	10
UGC 1385	Mrk 2	GALXY	AND	01 54.9	+36 55	13.4	12.3	092	04
Berk 7		OPNCL	CAS	01 55.0	+62 22	99.9	99.9	017	01
NGC 731	H III 266	GALXY	CET	01 55.0	-09 01	12.1	13.1	264	10
NGC 728		3STAR	PSC	01 55.1	+04 12	99.9	99.9	219	10
NGC 713		GALXY	CET	01 55.1	-09 05	15.0	99.9	264	10
NGC 730		1STAR	PSC	01 55.3	+05 37	99.9	99.9	174	10
NGC 726		GALXY	CET	01 55.6	-10 49	14.0	99.9	264	10
NGC 749		GALXY	FOR	01 55.6	-29 57	12.5	13.5	353	18
Czernik 5		OPNCL	CAS	01 55.9	+61 20	99.9	99.9	017	01
NGC 758		GALXY	CET	01 56.0	-03 06	99.9	99.9	219	10

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NGC 755	H III 265	GALXY	CET	01 56.2	-09 04	12.6	13.9	264	10
NGC 757	NGC 755	NONEX	CET	01 56.2	-09 04	99.9	99.9	264	10
NGC 763	NGC 755	NONEX	CET	01 56.2	-09 04	99.9	99.9	264	10
NGC 741	H II 271	GALXY	PSC	01 56.3	+05 37	11.1	13.5	174	10
NGC 733		GALXY	TRI	01 56.4	+33 04	99.9	99.9	092	04
NGC 748	H III 193	GALXY	CET	01 56.4	-04 29	12.6	13.5	219	10
NGC 742	H II 272	GALXY	PSC	01 56.5	+05 37	14.3	10.8	174	10
NGC 732		GALXY	AND	01 56.5	+36 48	13.5	13.8	092	04
NGC 735	H III 176	GALXY	TRI	01 56.7	+34 10	13.3	13.6	092	04
MGC 796		SMCCN	HYI	01 56.7	-74 13	99.9	99.9	461	24
NGC 736	H II 221?	GALXY	TRI	01 56.8	+33 02	12.1	13.0	092	04
NGC 737		NONEX	TRI	01 56.8	+33 03	99.9	99.9	092	04
NGC 738		GALXY	TRI	01 56.9	+33 03	15.5	99.9	092	04
NGC 740	H II 221?	GALXY	TRI	01 57.0	+33 00	14.0	13.3	092	04
NGC 739		GALXY	TRI	01 57.0	+33 14	13.9	12.3	092	04
NGC 762	H III 464	GALXY	CET	01 57.1	-05 26	13.5	99.9	219	10
NGC 764		2STAR	CET	01 57.2	-16 02	99.9	99.9	264	10
NGC 747		GALXY	CET	01 57.4	-09 28	99.9	99.9	264	10
NGC 750	H II 222	GALXY	TRI	01 57.6	+33 12	11.9	12.7	092	04
NGC 751		GALXY	TRI	01 57.6	+33 12	14.0	99.9	092	04
IC 1747	PK130+1.1	PLNNB	CAS	01 57.6	+63 20	12.0	99.9	017	01
NGC 782		GALXY	ERI	01 57.7	-57 47	11.9	13.4	418	24
NGC 760		2STAR	TRI	01 57.8	+33 21	99.9	99.9	092	04
NGC 753		GALXY	AND	01 57.8	+35 54	12.3	13.9	092	04
NGC 752	H VII 32	OPNCL	AND	01 57.8	+37 41	05.7	99.9	092	04
NGC 761		GALXY	TRI	01 57.9	+33 22	13.5	13.1	092	04
NGC 759		GALXY	AND	01 57.9	+36 20	12.7	13.6	092	04
NGC 746		GALXY	AND	01 57.9	+44 55	13.0	13.9	061	04
NGC 744		OPNCL	PER	01 58.4	+55 29	07.9	99.9	037	01
NGC 775		GALXY	FOR	01 58.5	-26 18	12.7	13.3	309	18
NGC 768	UGC 1457	GALXY	CET	01 58.7	+00 31	13.2	13.4	219	10
NGC 766	UGC 1458	GALXY	PSC	01 58.7	+08 20	12.7	14.2	174	10
NGC 743		OPNCL	CAS	01 58.7	+60 11	99.9	99.9	037	01
NGC 765	UGC 1455	GALXY	ARI	01 58.8	+24 53	12.8	14.9	129	04
PK133- 8.1	M1-2	PLNNB	PER	01 58.8	+52 54	99.9	99.9	037	01
NGC 767		GALXY	CET	01 58.9	-09 35	14.0	99.9	264	10
NGC 773	H III 468	GALXY	CET	01 59.0	-11 31	14.0	99.9	264	10
NGC 802		UVSOB	HYI	01 59.1	-67 52	99.9	99.9	442	24
NGC 770	UGC 1463	GALXY	ARI	01 59.3	+18 57	12.9	12.9	129	10
NGC 774	H III 214	GALXY	ARI	01 59.4	+14 01	13.0	13.5	174	10
NGC 772	H I 112	GALXY	ARI	01 59.4	+19 00	10.3	13.9	129	10
NGC 769		GALXY	TRI	01 59.5	+30 54	12.8	11.6	092	04
NGC 779	H I 101	GALXY	CET	01 59.7	-05 58	11.2	12.7	264	10
NGC 795		UVSOB	ERI	01 59.8	-55 49	99.9	99.9	418	24
NGC 776	UGC 1471	GALXY	ARI	01 59.9	+23 38	12.4	13.4	129	04
NGC 781	H III 215	GALXY	ARI	02 00.1	+12 38	13.0	12.2	174	10
NGC 778		GALXY	TRI	02 00.2	+31 17	13.2	12.5	092	04
NGC 777	H II 223	GALXY	TRI	02 00.2	+31 25	11.4	13.2	092	04
NGC 780	H III 583	GALXY	TRI	02 00.5	+28 13	14.5	99.9	092	04

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NGC 788	H II 435	GALXY	CET	02 01.0	-06 49	12.1	13.0	264	10
NGC 787		GALXY	CET	02 01.0	-09 00	13.0	99.9	264	10
NGC 784		GALXY	TRI	02 01.2	+28 50	11.7	14.1	092	04
NGC 783	UGC 1497	GALXY	TRI	02 01.2	+31 52	12.1	12.9	092	04
NGC 786		GALXY	ARI	02 01.5	+15 38	13.3	12.2	174	10
NGC 790	H III 433	GALXY	CET	02 01.5	-05 23	13.5	99.9	219	10
NGC 813		UVSOB	HYI	02 01.6	-68 27	99.9	99.9	442	24
NGC 791	UGC 1511	GALXY	PSC	02 01.7	+08 29	13.1	14.1	174	10
NGC 785	IC 1776	GALXY	TRI	02 01.8	+31 49	14.0	99.9	092	04
Berk 8		OPNCL	CAS	02 02.0	+75 34	99.9	99.9	004	01
NGC 792	UGC 1517	GALXY	ARI	02 02.3	+15 42	13.1	13.6	174	10
NGC 799		GALXY	CET	02 02.3	-00 06	13.0	14.2	219	10
NGC 800	UGC 1526	GALXY	CET	02 02.3	-00 08	13.7	13.4	219	10
NGC 794	IC 191,H III 207	GALXY	ARI	02 02.5	+18 22	12.7	13.0	129	10
NGC 789		GALXY	TRI	02 02.5	+32 04	13.4	11.7	092	04
NGC 793		NONEX	TRI	02 02.9	+32 00	99.9	99.9	092	04
NGC 814		GALXY	CET	02 02.9	-14 38	16.0	99.9	264	10
NGC 815		GALXY	CET	02 02.9	-14 42	16.0	99.9	264	10
Czernik 6		OPNCL	CAS	02 03.0	+62 53	99.9	99.9	017	01
UGC 1546		GALXY	ARI	02 03.4	+18 38	13.7	13.8	129	10
UGC 1547		GALXY	ARI	02 03.4	+22 02	13.9	15.5	129	04
NGC 798		GALXY	TRI	02 03.4	+32 04	13.5	13.0	092	04
NGC 797	H III 566	GALXY	AND	02 03.4	+38 07	12.6	13.3	092	04
Czernik 7		OPNCL	CAS	02 03.4	+62 15	99.9	99.9	017	01
NGC 771	50 CAS	NONEX	CAS	02 03.5	+72 25	99.9	99.9	017	01
UGC 1551		GALXY	ARI	02 03.6	+24 04	12.5	14.4	129	04
NGC 806		GALXY	CET	02 03.6	-09 56	14.0	99.9	264	10
NGC 801		GALXY	AND	02 03.7	+38 15	13.1	13.8	092	04
NGC 803	H III 208	GALXY	ARI	02 03.8	+16 02	12.6	13.9	174	10
NGC 808		GALXY	CET	02 03.9	-23 18	13.5	13.0	309	18
MGC 804	IC 1773	GALXY	TRI	02 04.0	+30 49	14.5	99.9	092	04
UGC 1561		GALXY	ARI	02 04.1	+24 12	14.0	13.8	129	04
NGC 805		GALXY	TRI	02 04.4	+28 48	13.5	13.2	092	04
NGC 809		GALXY	CET	02 04.4	-08 43	14.0	99.9	264	10
Stock 5		OPNCL	CAS	02 04.5	+64 26	07	99.9	017	01
NGC 811		GALXY	CET	02 04.7	-10 06	14.0	99.9	264	10
NGC 807	H III 151	GALXY	TRI	02 04.8	+28 59	12.5	13.4	092	04
NGC 810	UGC 1583	GALXY	ARI	02 05.3	+13 14	15.5	99.9	174	10
NGC 822		GALXY	PHE	02 06.6	-41 09	13.1	12.8	389	18
NGC 824		GALXY	FOR	02 06.8	-36 28	13.3	13.8	353	18
NGC 812		GALXY	AND	02 06.9	+44 34	11.2	12.8	062	04
NGC 823	IC 1782	GALXY	FOR	02 07.3	-25 27	12.6	13.4	309	18
NGC 817	UGC 1611	GALXY	ARI	02 07.6	+17 12	13.2	11.5	129	10
NGC 816		GALXY	TRI	02 08.0	+29 15	15.5	99.9	092	04
NGC 821	H I 152	GALXY	ARI	02 08.3	+10 59	10.7	12.2	174	10
NGC 820		GALXY	ARI	02 08.4	+14 20	12.8	12.7	174	10
NGC 825		GALXY	CET	02 08.5	+06 19	13.2	13.7	174	10
NGC 819		GALXY	TRI	02 08.5	+29 14	13.4	11.7	092	04
NGC 829		GALXY	CET	02 08.6	-07 48	14.0	99.9	264	10

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NGC 818	H II 604	GALXY	AND	02 08.7	+38 46	12.5	13.8	092	04
NGC 827	H III 227	GALXY	CET	02 08.8	+07 58	12.7	13.2	174	10
NGC 852		GALXY	ERI	02 08.9	-56 44	13.4	13.6	418	24
NGC 830		GALXY	CET	02 09.0	-07 46	14.0	99.9	264	10
NGC 826		GALXY	TRI	02 09.4	+30 44	15.5	99.9	092	04
NGC 833	H II 482	GALXY	CET	02 09.4	-10 08	12.7	12.6	264	10
NGC 831		GALXY	CET	02 09.5	+06 06	15.0	99.9	174	10
NGC 835	H II 483	GALXY	CET	02 09.5	-10 08	12.1	12.3	264	10
NGC 838	H II 484	GALXY	CET	02 09.6	-10 09	12.9	12.8	264	10
NGC 839	H II 485	GALXY	CET	02 09.7	-10 12	13.1	13.0	264	10
NGC 842		GALXY	CET	02 09.8	-07 46	12.7	12.6	264	10
NGC 832		GALXY	TRI	02 10.1	+35 32	99.9	99.9	092	04
NGC 828	H II 605	GALXY	AND	02 10.1	+39 11	12.3	14.1	062	04
NGC 844		GALXY	CET	02 10.2	+06 03	15.0	99.9	174	10
NGC 840	UGC 1664	GALXY	CET	02 10.2	+07 50	13.4	13.9	174	10
NGC 849		GALXY	CET	02 10.2	-22 19	14.3	12.1	309	18
NGC 848		GALXY	CET	02 10.3	-10 20	13.0	13.3	264	10
NGC 837		GALXY	CET	02 10.4	-22 26	14.0	12.8	309	18
NGC 836		GALXY	CET	02 10.5	-22 04	13.3	13.4	309	18
NGC 834	H III 567	GALXY	AND	02 11.0	+37 40	13.1	12.3	092	04
NGC 843		3STAR	TRI	02 11.1	+32 06	99.9	99.9	092	04
NGC 851		GALXY	CET	02 11.2	+03 47	13.5	12.9	219	10
NGC 850	H III 259	GALXY	CET	02 11.2	-01 30	12.9	12.9	219	10
NGC 841		GALXY	AND	02 11.3	+37 30	12.6	13.1	092	04
NGC 854		GALXY	FOR	02 11.6	-35 51	13.1	13.1	353	18
NGC 853	H II 486	GALXY	CET	02 11.8	-09 18	13.0	99.9	264	10
NGC 846		GALXY	AND	02 12.2	+44 34	12.1	13.3	062	04
NGC 847	NGC 846	NONEX	AND	02 12.2	+44 40	99.9	99.9	062	04
PK131+ 2.1	Abell 3	PLNNB	CAS	02 12.2	+64 09	18.2	99.9	017	01
NGC 845	H III 604	GALXY	AND	02 12.3	+37 29	13.5	12.9	092	04
NGC 858		GALXY	CET	02 12.6	-22 27	13.7	13.9	309	18
NGC 857		GALXY	FOR	02 12.6	-31 57	12.4	13.0	353	18
NGC 862		GALXY	PHE	02 13.0	-42 04	12.8	12.4	389	18
NGC 856	UGC 1713	GALXY	CET	02 13.6	-00 44	13.2	13.3	219	10
NGC 859		NONEX	CET	02 13.9	-00 44	99.9	99.9	219	10
NGC 855	H II 613	GALXY	TRI	02 14.0	+27 53	12.6	13.6	129	04
NGC 863	H III 260	GALXY	CET	02 14.6	-01 00	12.9	12.9	219	10
Stock 2		OPNCL	CAS	02 15.0	+59 16	04.4	99.9	037	01
NGC 860		GALXY	TRI	02 15.1	+30 47	15.0	99.9	092	04
NGC 864	H III 457	GALXY	CET	02 15.4	+06 00	10.9	13.8	174	10
NGC 872		GALXY	CET	02 15.4	-17 48	13.8	13.8	309	10
NGC 861		GALXY	TRI	02 15.8	+35 55	13.8	13.4	092	04
NGC 866		NONEX	CET	02 15.8	-01 00	99.9	99.9	219	10
NGC 867	H III 2	NONEX	CET	02 15.9	+01 03	99.9	99.9	219	10
NGC 868		GALXY	CET	02 16.0	-00 44	13.9	14.1	219	10
NGC 865		GALXY	TRI	02 16.1	+28 36	13.1	12.4	092	04
NGC 874	ESO 478-G018	GALXY	CET	02 16.1	-23 18	14.2	13.2	309	18
IC 1784	UGC 1744	GALXY	TRI	02 16.2	+32 39	13.1	13.5	092	04
NGC 873	H II 474	GALXY	CET	02 16.6	-11 20	13.0	99.9	264	10

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NGC 879		GALXY	CET	02 16.8	-08 58	99.9	99.9	264	10
NGC 875		GALXY	CET	02 17.1	+01 14	12.9	13.0	219	10
NGC 870		GALXY	ARI	02 17.2	+14 33	16.0	99.9	174	10
NGC 871	H III 201	GALXY	ARI	02 17.3	+14 33	13.6	12.8	174	10
NGC 888		UVSOB	HOR	02 17.4	-59 51	99.9	99.9	418	24
NGC 878		GALXY	CET	02 17.8	-23 22	13.7	12.4	309	18
NGC 876	UGC 1766	GALXY	ARI	02 18.0	+14 31	14.5	99.9	174	10
NGC 877	H II 246	GALXY	ARI	02 18.1	+14 33	11.9	13.4	174	10
NGC 880		GALXY	CET	02 18.1	-04 13	99.9	99.9	219	10
NGC 881	H II 436	GALXY	CET	02 18.6	-06 35	12.4	13.6	264	10
Basel 10		OPNCL	PER	02 18.8	+58 19	09.9	99.9	037	01
NGC 869	H VI 33	OPNCL	PER	02 19.0	+57 09	05.3	99.9	037	01
NGC 883	H II 437	GALXY	CET	02 19.0	-06 45	13.0	99.9	264	10
NGC 889		GALXY	PHE	02 19.1	-41 45	13.3	13.2	389	18
NGC 887	H III 486	GALXY	CET	02 19.6	-16 04	13.0	99.9	264	10
NGC 882		GALXY	ARI	02 19.7	+15 49	13.6	13.1	174	10
Berk 63		OPNCL	CAS	02 19.8	+63 45	99.9	99.9	017	01
NGC 885		NONEX	CET	02 19.8	-01 00	99.9	99.9	219	10
NGC 893		GALXY	PHE	02 20.0	-41 23	12.9	13.1	389	18
NGC 892		GALXY	CET	02 20.7	-23 07	99.9	99.9	309	18
NGC 897		GALXY	FOR	02 21.1	-33 42	11.8	12.8	354	18
Berk 64		OPNCL	CAS	02 21.3	+65 54	99.9	99.9	017	01
NGC 894		NONEX	CET	02 21.5	-05 30	99.9	99.9	219	10
NGC 895	H II 438	GALXY	CET	02 21.5	-05 31	11.7	14.0	264	10
NGC 890	H II 225	GALXY	TRI	02 22.0	+33 16	11.2	12.7	093	04
NGC 899		GALXY	CET	02 22.0	-20 48	12.6	13.4	309	18
NGC 884	H VI 34	OPNCL	PER	02 22.4	+57 07	06.1	99.9	037	01
NGC 902		GALXY	CET	02 22.4	-16 40	14.0	99.9	264	10
NGC 891	H V 19	GALXY	AND	02 22.6	+42 21	09.9	13.6	062	04
NGC 905		GALXY	CET	02 22.6	-08 43	99.9	99.9	264	10
NGC 907	H III 224	GALXY	CET	02 23.0	-20 42	12.6	12.6	309	18
NGC 908	H I 153	GALXY	CET	02 23.1	-21 13	10.2	13.0	309	18
NGC 898	H III 570	GALXY	AND	02 23.3	+41 58	12.9	12.7	062	04
NGC 900	UGC 1843	GALXY	ARI	02 23.5	+26 31	13.7	13.4	129	04
NGC 886		NONEX	CAS	02 23.5	+63 47	99.9	99.9	017	01
NGC 901		NONEX	ARI	02 23.6	+26 34	99.9	99.9	129	04
Stock 6		OPNCL	CAS	02 23.7	+63 52	10.0	99.9	017	01
NGC 903		GALXY	ARI	02 23.8	+27 22	99.9	99.9	129	04
NGC 904	UGC 1852	GALXY	ARI	02 24.0	+27 21	13.6	13.6	129	04
Abell 347		GALCL	AND	02 25.1	+41 48	13.0	99.9	062	04
NGC 922	H III 239	GALXY	FOR	02 25.1	-24 47	12.1	13.2	310	18
NGC 906		GALXY	AND	02 25.3	+42 06	12.9	13.9	062	04
NGC 909		GALXY	AND	02 25.4	+42 03	13.3	13.0	062	04
NGC 910	H III 571	GALXY	AND	02 25.5	+41 50	12.2	13.7	062	04
NGC 915		GALXY	ARI	02 25.6	+27 14	15.0	99.9	130	04
NGC 916		GALXY	ARI	02 25.8	+27 15	15.0	99.9	130	04
NGC 912		GALXY	AND	02 25.8	+41 47	15.0	99.9	062	04
NGC 913		GALXY	AND	02 25.8	+41 48	99.9	99.9	062	04
NGC 911		GALXY	AND	02 25.8	+41 59	12.7	13.2	062	04

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NGC 896	H III 695	BRTNB CAS	02 25.8	+61 59	99.9	99.9	017	01
NGC 918		GALXY ARI	02 25.9	+18 31	12.2	14.2	130	10
NGC 917		NONEX TRI	02 26.1	+32 14	99.9	99.9	093	04
NGC 914		GALXY AND	02 26.1	+42 09	13.0	13.7	062	04
NGC 926		GALXY CET	02 26.2	-00 19	13.3	13.7	220	10
NGC 919		GALXY ARI	02 26.3	+27 13	14.5	13.1	130	04
MCG -04-06-041		GALXY FOR	02 26.4	-24 18	14.4	12.9	310	18
NGC 939		GALXY ERI	02 26.4	-44 26	13.0	13.2	389	18
IC 1795		BRTNB CAS	02 26.5	+62 04	99.9	99.9	017	01
NGC 921		GALXY CET	02 26.6	-15 50	14.0	99.9	265	10
NGC 927	UGC 1908	GALXY ARI	02 26.7	+12 10	13.4	13.7	175	10
NGC 944	IC 228	GALXY CET	02 26.7	-14 30	14.0	99.9	265	10
NGC 924	H III 474	GALXY ARI	02 26.8	+20 30	12.4	13.4	130	04
NGC 925	H III 177	GALXY TRI	02 27.3	+33 35	10.1	14.4	093	04
NGC 929		GALXY CET	02 27.3	-12 05	15.0	99.9	265	10
NGC 923		GALXY AND	02 27.6	+41 59	13.7	12.6	062	04
NGC 934		GALXY CET	02 27.6	-00 14	13.1	13.2	220	10
NGC 928		GALXY ARI	02 27.7	+27 14	13.9	12.2	130	04
NGC 936	H IV 23	GALXY CET	02 27.7	-01 09	10.1	13.2	220	10
NGC 920		GALXY AND	02 27.8	+45 58	13.9	14.3	062	04
NGC 930		GALXY ARI	02 27.9	+20 20	12.4	13.5	130	04
NGC 932	NGC 930	NONEX ARI	02 27.9	+20 21	99.9	99.9	130	04
NGC 935		GALXY ARI	02 28.2	+19 36	12.9	13.4	130	10
NGC 931		GALXY TRI	02 28.3	+31 19	12.8	13.9	093	04
NGC 938		GALXY ARI	02 28.5	+20 17	12.4	13.1	130	04
NGC 941	H III 261	GALXY CET	02 28.5	-01 08	12.4	14.0	220	10
NGC 945	H II 487	GALXY CET	02 28.6	-10 31	12.1	13.6	265	10
NGC 947		GALXY CET	02 28.6	-19 03	12.6	13.3	310	10
NGC 948		GALXY CET	02 28.7	-10 30	14.0	99.9	265	10
NGC 951		GALXY CET	02 28.8	-22 20	14.6	13.9	310	18
NGC 954		GALXY ERI	02 28.8	-41 23	12.8	13.0	389	18
NGC 943		GALXY CET	02 29.0	-10 49	14.0	99.9	265	10
NGC 933		GALXY AND	02 29.2	+45 56	13.8	13.8	062	04
NGC 942		GALXY CET	02 29.2	-10 49	14.0	99.9	265	10
NGC 950		GALXY CET	02 29.2	-11 01	14.0	99.9	265	10
Tombaugh 4		OPNCL CAS	02 29.3	+61 47	99.9	99.9	017	01
NGC 940		GALXY TRI	02 29.4	+31 39	12.4	12.4	093	04
NGC 937		GALXY AND	02 29.5	+42 16	14.2	13.4	062	04
Mrk 6		OPNCL CAS	02 29.6	+60 39	07.1	99.9	037	01
NGC 955	H II 278	GALXY CET	02 30.6	-01 06	12.0	12.6	220	10
NGC 958	H II 237	GALXY CET	02 30.6	-02 55	12.1	13.1	220	10
NGC 963		GALXY CET	02 30.6	-04 13	99.9	99.9	220	10
NGC 949	H I 154	GALXY TRI	02 30.7	+37 09	11.8	12.9	093	04
NGC 946		GALXY AND	02 30.7	+42 15	13.2	13.5	062	04
NGC 964	IC 1814	GALXY FOR	02 31.1	-36 01	12.6	12.5	354	18
NGC 953		GALXY TRI	02 31.2	+29 36	13.5	99.9	093	04
NGC 961		NONEX CET	02 31.2	-06 54	99.9	99.9	265	10
NGC 952		NONEX TRI	02 31.3	+34 45	99.9	99.9	093	04
NGC 979		GALXY ERI	02 31.5	-44 31	12.8	12.8	389	18

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NGC 960		GALXY	CET	02 31.6	-09 17	14.0	99.9	265	10
NGC 966		GALXY	CET	02 31.8	-19 53	13.3	13.1	310	10
NGC 967		GALXY	CET	02 32.2	-17 13	12.5	12.9	310	10
NGC 959	UGC 2002	GALXY	TRI	02 32.3	+35 31	12.4	13.6	093	04
NGC 956		OPNCL	AND	02 32.4	+44 39	08.9	99.9	062	04
NGC 965		GALXY	CET	02 32.5	-18 39	14.2	13.8	310	10
Mel 15	Cr 26	OPNCL	CAS	02 32.6	+61 27	06.6	99.9	017	01
IC 1805		CL+NB	CAS	02 32.7	+61 27	06.5	99.9	017	01
NGC 986A		GALXY	FOR	02 32.7	-39 18	14.0	14.1	389	18
NGC 962	UGC 2013	GALXY	ARI	02 32.8	+28 05	12.9	99.9	093	04
NGC 981		GALXY	CET	02 32.9	-10 57	14.0	99.9	265	10
Czernik 8		OPNCL	PER	02 33.0	+58 44	09.7	99.9	038	01
NGC 977	H III 472	GALXY	CET	02 33.0	-10 44	13.0	99.9	265	10
NGC 975	UGC 2030	GALXY	CET	02 33.2	+09 37	13.1	12.7	175	10
UGC 2023		GALXY	TRI	02 33.3	+33 30	13.1	14.2	093	04
NGC 957		OPNCL	PER	02 33.6	+57 32	07.6	99.9	038	01
NGC 986		GALXY	FOR	02 33.6	-39 02	10.9	13.4	389	18
UGC 2034		GALXY	AND	02 33.7	+40 32	13.1	99.9	062	04
NGC 989		GALXY	CET	02 33.8	-16 30	15.0	99.9	265	10
NGC 976		GALXY	ARI	02 34.0	+21 00	12.4	12.9	130	04
NGC 969	UGC 2039	GALXY	TRI	02 34.1	+32 58	12.3	13.2	093	04
NGC 968	UGC 2040	GALXY	TRI	02 34.1	+34 30	12.2	14.2	093	04
Czernik 9		OPNCL	CAS	02 34.1	+59 53	99.9	99.9	038	01
NGC 971		GALXY	TRI	02 34.2	+32 59	99.9	99.9	093	04
NGC 970		GALXY	TRI	02 34.2	+33 00	15.5	99.9	093	04
NGC 972	H II 211	GALXY	ARI	02 34.3	+29 20	11.4	13.2	093	04
NGC 973	UGC 2048	GALXY	TRI	02 34.3	+32 31	12.8	13.4	093	04
Czernik 10		OPNCL	CAS	02 34.3	+60 11	99.9	99.9	038	01
NGC 974	UGC 2049	GALXY	TRI	02 34.4	+32 59	12.7	14.2	093	04
UGC 2053		GALXY	ARI	02 34.5	+29 45	14.6	15.3	093	04
NGC 985		GALXY	CET	02 34.5	-08 46	13.4	13.1	265	10
NGC 984		GALXY	ARI	02 34.7	+23 26	12.8	14.6	130	04
NGC 978A	UGC 2057	GALXY	TRI	02 34.8	+32 52	14.0	99.9	093	04
NGC 978B		GALXY	TRI	02 34.8	+32 52	15.0	99.9	093	04
NGC 983		NONEX	TRI	02 35.0	+31 31	99.9	99.9	093	04
NGC 988		GALXY	CET	02 35.2	-09 20	11.0	13.4	265	10
NGC 982	H III 573	GALXY	AND	02 35.4	+40 57	12.5	12.2	062	04
NGC 980	H III 572	GALXY	AND	02 35.5	+40 54	13.0	13.4	062	04
NGC 991	H III 434	GALXY	CET	02 35.6	-07 08	11.7	13.5	265	10
King 4		OPNCL	CAS	02 35.7	+59 00	10.5	99.9	038	01
NGC 1025		UVSOB	HOR	02 36.1	-54 53	99.9	99.9	419	24
UGC 2082	MCG +04-07-016	GALXY	ARI	02 36.3	+25 26	12.9	14.5	130	04
Czernik 11		OPNCL	CAS	02 36.3	+59 38	99.9	99.9	038	01
Maffei 1		GALXY	CAS	02 36.3	+59 39	11.4	10.0	038	01
NGC 990	H III 557	GALXY	ARI	02 36.4	+11 39	12.4	13.5	175	10
IC 239	UGC 2080	GALXY	AND	02 36.5	+38 58	11.1	14.2	093	04
NGC 1031		UVSOB	HOR	02 36.5	-54 52	99.9	99.9	419	24
NGC 993		GALXY	CET	02 36.7	+02 03	13.6	13.1	220	10
NGC 994	NGC 993?	NONEX	CET	02 36.7	+02 03	99.9	99.9	220	10

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NGC 987	H III 161	GALXY	TRI	02 36.8	+33 19	12.4	12.7	093	04
NGC 997	UGC 2102	GALXY	CET	02 37.2	+07 18	14.5	99.9	175	10
NGC 998		GALXY	CET	02 37.2	+07 26	15.5	99.9	175	10
Tr 2	Cr 29	OPNCL	PER	02 37.3	+55 59	05.9	99.9	038	01
NGC 992		GALXY	ARI	02 37.4	+21 06	12.6	11.9	130	04
NGC 1006	NGC 1010	GALXY	CET	02 37.5	-11 02	99.9	99.9	265	10
NGC 1010		GALXY	CET	02 37.5	-11 02	14.0	99.9	265	10
NGC 1004	UGC 2112	GALXY	CET	02 37.6	+01 57	12.7	13.2	220	10
NGC 1011		GALXY	CET	02 37.6	-11 01	15.0	99.9	265	10
UGC 2105	Mrk 1050	GALXY	TRI	02 37.7	+34 26	13.5	13.2	093	04
NGC 1007		GALXY	CET	02 37.8	+02 08	15.5	99.9	220	10
NGC 1014		2STAR	CET	02 37.8	-09 32	99.9	99.9	265	10
NGC 1017		GALXY	CET	02 37.8	-11 01	14.0	99.9	265	10
NGC 1013		GALXY	CET	02 37.8	-11 31	14.0	99.9	265	10
NGC 1008	UGC 2114	GALXY	CET	02 37.9	+02 04	13.6	12.8	220	10
UGC 2119		GALXY	CET	02 37.9	-01 51	13.5	13.7	220	10
NGC 1037	ZWG 388.072	GALXY	CET	02 38.0	-01 51	14.5	99.9	220	10
NGC 1018		GALXY	CET	02 38.0	-09 34	15.0	99.9	265	10
NGC 1015		GALXY	CET	02 38.2	-01 20	12.1	14.0	220	10
NGC 1034		GALXY	CET	02 38.2	-15 49	14.0	99.9	265	10
NGC 1016	UGC 2128	GALXY	CET	02 38.3	+02 07	11.6	13.5	220	10
NGC 1009	UGC 2129	GALXY	CET	02 38.3	+02 18	14.4	13.1	220	10
NGC 1019	UGC 2132	GALXY	CET	02 38.4	+01 54	13.5	13.3	220	10
NGC 995		GALXY	AND	02 38.5	+41 32	13.4	14.0	062	04
NGC 1022	H I 102	GALXY	CET	02 38.5	-06 40	11.3	12.9	265	10
NGC 1020		GALXY	CET	02 38.7	+02 13	14.1	11.7	220	10
NGC 996		GALXY	AND	02 38.7	+41 39	13.0	13.8	062	04
NGC 1021		GALXY	CET	02 38.8	+02 12	14.2	12.7	220	10
NGC 999	IC 240	GALXY	AND	02 38.8	+41 40	13.5	13.1	062	04
NGC 1002	UGC 2133	GALXY	TRI	02 38.9	+34 37	13.1	13.1	093	04
NGC 1000		GALXY	AND	02 38.9	+41 27	15.5	99.9	062	04
Berk 65		OPNCL	CAS	02 39.0	+60 25	10.2	99.9	038	01
NGC 1024	H II 592	GALXY	ARI	02 39.1	+10 50	12.1	13.8	175	10
NGC 1001		GALXY	PER	02 39.2	+41 40	14.5	99.9	062	04
NGC 1026	UGC 2145	GALXY	CET	02 39.3	+06 32	12.6	13.8	175	10
NGC 1012	H III 152	GALXY	ARI	02 39.3	+30 08	12.0	12.9	093	04
NGC 1003	H II 238= III 198	GALXY	PER	02 39.3	+40 51	11.4	13.8	062	04
NGC 1032	H II 5	GALXY	CET	02 39.4	+01 05	11.6	12.9	220	10
NGC 1035	H II 284	GALXY	CET	02 39.4	-08 07	12.2	12.6	265	10
NGC 1029		GALXY	ARI	02 39.5	+10 47	13.1	12.3	175	10
NGC 1028		GALXY	ARI	02 39.5	+10 50	15.5	99.9	175	10
NGC 1005		GALXY	PER	02 39.5	+41 29	14.5	99.9	062	04
Czernik 12		OPNCL	PER	02 39.7	+56 56	99.9	99.9	038	01
NGC 1049		GX+GC	FOR	02 39.7	-34 17	99.9	99.9	354	18
NGC 1030	H III 581	GALXY	ARI	02 39.9	+18 01	13.2	13.1	130	10
MCG 06-07-001	Fornax Dwarf	GALXY	FOR	02 39.9	-34 32	08.1	13.9	354	18
NGC 1038		GALXY	CET	02 40.1	+01 30	13.4	12.4	220	10
NGC 1033		GALXY	CET	02 40.1	-08 48	14.0	99.9	265	10
NGC 1041		GALXY	CET	02 40.3	-05 28	14.0	99.9	220	10

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NGC 1036	H III 475	GALXY	ARI	02 40.4	+19 17	13.2	13.5	130	10
NGC 1042		GALXY	CET	02 40.4	-08 27	11.0	13.9	265	10
NGC 1045	H II 488	GALXY	CET	02 40.4	-11 18	13.0	99.9	265	10
NGC 1023	H I 156	GALXY	PER	02 40.5	+39 03	09.4	12.8	062	04
NGC 1047		GALXY	CET	02 40.6	-08 10	15.0	99.9	265	10
NGC 1048A		GALXY	CET	02 40.6	-08 33	14.5	12.8	265	10
NGC 1048B		GALXY	CET	02 40.6	-08 33	14.0	99.9	265	10
NGC 1043		GALXY	CET	02 40.7	+01 20	15.5	99.9	220	10
NGC 1051	IC 249	GALXY	CET	02 40.9	-06 58	13.0	99.9	265	10
NGC 1044	H III 228	GALXY	CET	02 41.0	+08 43	13.2	11.8	175	10
NGC 1052	H I 63	GALXY	CET	02 41.0	-08 15	10.5	12.5	265	10
NGC 1046	H III 229	GALXY	CET	02 41.1	+08 42	13.8	99.9	175	10
NGC 1055	H I 1= II 6	GALXY	CET	02 41.8	+00 26	10.6	13.7	220	10
NGC 1039	M 34	OPNCL	PER	02 42.0	+42 47	05.2	99.9	062	04
NGC 1063		GALXY	CET	02 42.1	-05 34	14.0	99.9	265	10
NGC 1065	IC 254	GALXY	CET	02 42.1	-15 06	14.0	99.9	265	10
NGC 1054		GALXY	ARI	02 42.2	+18 12	13.6	12.4	130	10
NGC 1040		NONEX	PER	02 42.2	+41 30	99.9	99.9	062	04
NGC 1064		GALXY	CET	02 42.2	-09 22	14.0	99.9	265	10
NGC 1059		2STAR	ARI	02 42.5	+18 01	99.9	99.9	130	10
NGC 1050		GALXY	PER	02 42.5	+34 46	12.6	12.9	093	04
NGC 1027	H VIII 66	OPNCL	CAS	02 42.7	+61 33	06.7	99.9	017	01
NGC 1068	M 77	GALXY	CET	02 42.7	-00 02	08.9	12.8	220	10
NGC 1069		GALXY	CET	02 42.8	-08 18	14.5	99.9	265	10
NGC 1056	H III 584	GALXY	ARI	02 42.9	+28 33	12.4	13.3	093	04
NGC 1057	UGC 2184	GALXY	TRI	02 43.0	+32 29	14.2	13.9	093	04
NGC 1071		GALXY	CET	02 43.0	-08 46	15.0	99.9	265	10
NGC 1060	H III 162	GALXY	TRI	02 43.2	+32 24	11.8	13.2	093	04
NGC 1061		GALXY	TRI	02 43.2	+32 27	14.0	13.2	093	04
NGC 1053	UGC 2187	GALXY	PER	02 43.2	+41 30	12.9	13.0	062	04
NGC 1070	H II 273	GALXY	CET	02 43.3	+04 58	11.9	13.4	220	10
NGC 1072		GALXY	CET	02 43.5	+00 18	13.4	12.9	220	10
NGC 1058	H II 633	GALXY	PER	02 43.6	+37 20	11.2	13.4	093	04
NGC 1073	H III 455	GALXY	CET	02 43.7	+01 22	11.0	14.2	220	10
NGC 1062		GALXY	TRI	02 43.7	+32 30	14.9	13.9	093	04
NGC 1076		GALXY	CET	02 43.7	-14 45	13.0	99.9	265	10
NGC 1075		GALXY	CET	02 43.7	-16 11	15.0	99.9	265	10
NGC 1074		GALXY	CET	02 43.7	-16 18	14.0	99.9	265	10
NGC 1066	H III 163	GALXY	TRI	02 43.8	+32 27	13.3	14.3	093	04
NGC 1067	UGC 2204	GALXY	TRI	02 43.8	+32 30	13.7	13.6	093	04
NGC 1079		GALXY	FOR	02 43.8	-29 01	11.5	13.5	354	18
NGC 1096		UVSOB	HOR	02 44.0	-59 55	99.9	99.9	419	24
NGC 1078		GALXY	CET	02 44.2	-09 26	15.0	99.9	265	10
Czernik 13		OPNCL	CAS	02 44.7	+62 21	10.4	99.9	017	01
NGC 1098		GALXY	ERI	02 45.1	-17 39	12.6	13.4	310	10
NGC 1080		GALXY	CET	02 45.2	-04 44	13.5	13.3	220	10
NGC 1081		GALXY	ERI	02 45.2	-15 35	13.0	99.9	265	10
PK144-15.1	Abell 4	PLNNB	PER	02 45.4	+42 33	16.7	99.9	062	04
NGC 1099		GALXY	ERI	02 45.4	-17 41	13.1	13.0	310	10

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NGC 1091		GALXY	ERI	02 45.6	-17 31	14.1	13.3	310	10
NGC 1082		GALXY	ERI	02 45.7	-08 13	15.5	99.9	265	10
NGC 1092		GALXY	ERI	02 45.7	-17 32	13.4	13.1	310	10
NGC 1083		GALXY	ERI	02 45.8	-15 20	14.0	99.9	265	10
NGC 1100		GALXY	ERI	02 45.8	-17 40	13.0	13.1	310	10
NGC 1084	H I 64	GALXY	ERI	02 45.9	-07 35	10.7	12.5	265	10
NGC 1077A	UGC 2230	GALXY	PER	02 46.1	+40 05	16.0	99.9	062	04
NGC 1077B	UGC 2230	GALXY	PER	02 46.1	+40 05	14.0	99.9	062	04
NGC 1085		GALXY	CET	02 46.4	+03 36	12.3	14.1	220	10
NGC 1089		GALXY	ERI	02 46.4	-15 04	14.0	99.9	265	10
NGC 1087	H II 466	GALXY	CET	02 46.5	-00 30	10.9	13.1	220	10
NGC 1097	H V 48	GALXY	FOR	02 46.5	-30 17	09.5	13.8	354	18
NGC 1097A		GALXY	FOR	02 46.5	-30 17	13.6	12.5	354	18
NGC 1090	H II 465	GALXY	CET	02 46.6	-00 15	11.8	13.8	220	10
NGC 1088	H III 582	GALXY	ARI	02 47.0	+16 11	15.0	99.9	175	10
NGC 1102		GALXY	ERI	02 47.1	-22 14	14.0	99.9	310	18
DoDz 1		OPNCL	ARI	02 47.4	+17 12	99.9	99.9	130	10
NGC 1094	H III 462	GALXY	CET	02 47.5	-00 18	12.5	12.6	220	10
NGC 1095		GALXY	CET	02 47.6	+04 38	13.3	13.2	220	10
UGC 2259		GALXY	PER	02 47.9	+37 32	13.4	14.9	093	04
NGC 1086	UGC 2258	GALXY	PER	02 47.9	+41 15	12.8	13.2	062	04
UGC 2275		GALXY	CET	02 48.0	+03 53	13.4	16.6	220	10
NGC 1103		GALXY	ERI	02 48.0	-13 57	12.9	12.9	265	10
NGC 1093		GALXY	TRI	02 48.2	+34 25	13.1	13.7	093	04
NGC 1101		GALXY	CET	02 48.3	+04 34	13.0	13.2	220	10
NGC 1119		1STAR	ERI	02 48.4	-17 60	99.9	99.9	310	10
NGC 1108		GALXY	ERI	02 48.6	-07 58	99.9	99.9	265	10
NGC 1104		GALXY	CET	02 48.7	-00 17	13.6	13.4	220	10
NGC 1109		GALXY	ARI	02 49.1	+13 15	13.8	13.8	175	10
UGC 2302		GALXY	CET	02 49.2	+02 08	13.2	16.6	220	10
NGC 1110	MCG 01-08-010	GALXY	ERI	02 49.2	-07 52	14.0	99.9	265	10
NGC 1120	MCG 03-08-030	GALXY	ERI	02 49.2	-14 27	14.0	99.9	265	10
NGC 1114	H III 449	GALXY	ERI	02 49.2	-17 00	13.0	99.9	265	10
NGC 1107	UGC 2307	GALXY	CET	02 49.3	+08 06	12.2	13.2	175	10
NGC 1111		GALXY	ARI	02 49.7	+13 08	99.9	99.9	175	10
NGC 1112		NONEX	ARI	02 50.0	+13 13	99.9	99.9	175	10
NGC 1118		GALXY	ERI	02 50.0	-12 09	14.0	99.9	265	10
NGC 1113		NONEX	ARI	02 50.2	+13 18	99.9	99.9	175	10
NGC 1115		GALXY	ARI	02 50.5	+13 15	15.5	99.9	175	10
NGC 1116	UGC 2326	GALXY	ARI	02 50.6	+13 19	14.3	13.0	175	10
NGC 1106	UGC 2322	GALXY	PER	02 50.6	+41 41	12.3	13.4	063	04
NGC 1135		UVSOB	HOR	02 50.7	-54 57	99.9	99.9	419	24
NGC 1121		GALXY	ERI	02 50.8	-01 44	12.9	11.5	220	10
NGC 1136		GALXY	HOR	02 50.8	-55 04	13.0	13.4	419	24
IC 1848		CL+NB	CAS	02 51.2	+60 26	06.5	99.9	038	01
NGC 1117		GALXY	ARI	02 51.3	+13 11	15.0	99.9	175	10
MCG +11-04-002		GALXY	CAS	02 51.3	+67 48	12.0	99.9	017	01
vdB 8		BRTNB	CAS	02 51.6	+67 52	99.9	99.9	017	01
NGC 1124		GALXY	FOR	02 51.6	-25 42	13.8	13.4	310	18

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NGC 1125	H III 450	GALXY	ERI	02 51.8	-16 38	12.6	13.0	265	10
PK141- 7.1	Abell 5	PLNNB	PER	02 52.3	+50 36	16.0	99.9	038	01
NGC 1126		GALXY	ERI	02 52.4	-01 18	14.6	12.4	220	10
NGC 1105		GALXY	ERI	02 52.4	-15 42	15.0	99.9	265	10
NGC 1128		NONEX	CET	02 52.6	+06 03	99.9	99.9	175	10
NGC 1133		GALXY	ERI	02 52.7	-08 47	15.0	99.9	265	10
NGC 1122	NGC 123	GALXY	PER	02 52.8	+42 12	12.1	12.9	063	04
NGC 1123	H II 601	NONEX	PER	02 52.8	+42 13	99.9	99.9	063	04
NGC 1127		GALXY	ARI	02 52.9	+13 15	14.4	13.7	175	10
NGC 1132	UGC 2359	GALXY	ERI	02 52.9	-01 16	12.3	13.6	220	10
NGC 1139		GALXY	ERI	02 52.9	-14 31	15.0	99.9	265	10
Latysev 1		OPNCL	ARI	02 53.2	+27 28	99.9	99.9	130	04
NGC 1134	H II 254	GALXY	ARI	02 53.7	+13 00	12.1	12.8	175	10
NGC 1137		GALXY	CET	02 54.0	+02 57	12.4	13.4	220	10
NGC 1130		GALXY	PER	02 54.4	+41 37	13.0	99.9	063	04
NGC 1129	H II 602	GALXY	PER	02 54.5	+41 35	12.5	15.2	063	04
NGC 1131		GALXY	PER	02 54.6	+41 34	15.5	99.9	063	04
NGC 1140	H II 470	GALXY	ERI	02 54.6	-10 02	12.5	12.8	265	10
NGC 1145		GALXY	ERI	02 54.6	-18 38	12.5	12.9	310	10
NGC 1141		NONEX	CET	02 55.2	+00 28	99.9	99.9	220	10
NGC 1142		NONEX	CET	02 55.2	+00 28	99.9	99.9	220	10
NGC 1143		GALXY	CET	02 55.2	-00 11	14.0	99.9	220	10
NGC 1144		GALXY	CET	02 55.2	-00 11	12.9	12.5	220	10
NGC 1147		NONEX	ERI	02 55.3	-09 07	99.9	99.9	265	10
NGC 1138	H III 580	GALXY	PER	02 56.5	+43 03	12.8	12.6	063	04
NGC 1148		GALXY	ERI	02 57.1	-07 42	15.0	99.9	266	10
NGC 1151		GALXY	ERI	02 57.1	-15 00	99.9	99.9	266	10
NGC 1150		GALXY	ERI	02 57.1	-15 03	15.0	99.9	266	10
NGC 1158		GALXY	ERI	02 57.3	-14 23	15.0	99.9	266	10
NGC 1149		GALXY	CET	02 57.4	-00 18	14.0	12.4	221	10
NGC 1146		NONEX	PER	02 57.5	+46 27	99.9	99.9	063	04
Abell 400		GALCL	CET	02 57.6	+06 02	13.9	99.9	176	10
NGC 1152		GALXY	ERI	02 57.6	-07 47	15.0	99.9	266	10
NGC 1153	H II 274	GALXY	CET	02 58.1	+03 22	12.4	12.7	221	10
NGC 1154		GALXY	ERI	02 58.1	-10 21	14.0	99.9	266	10
NGC 1155		GALXY	ERI	02 58.2	-10 20	14.0	99.9	266	10
NGC 1157		GALXY	ERI	02 58.2	-15 07	99.9	99.9	266	10
NGC 1165		GALXY	FOR	02 58.6	-32 07	12.7	13.5	354	18
PK136+ 4.1	Abell 6	PLNNB	CAS	02 58.9	+64 30	14.3	99.9	017	01
NGC 1162	H III 469	GALXY	ERI	02 58.9	-12 24	13.0	99.9	266	10
Cr 33		OPNCL	CAS	02 59.3	+60 24	05.9	99.9	038	01
IC 277	UGC 2460	GALXY	CET	02 59.8	+02 46	13.1	13.1	221	10
NGC 1156	H II 619	GALXY	ARI	02 59.8	+25 14	11.7	13.9	131	04
NGC 1163		GALXY	ERI	03 00.4	-17 09	13.8	13.3	311	10
NGC 1166		GALXY	ARI	03 00.6	+11 51	14.0	14.1	176	10
UGC 2463		GALXY	PER	03 00.6	+40 15	13.9	15.1	063	04
NGC 1159		GALXY	PER	03 00.7	+43 10	14.0	99.9	063	04
NGC 1168		GALXY	ARI	03 00.8	+11 47	14.2	13.7	176	10
Cr 34		OPNCL	CAS	03 00.9	+60 25	06.8	99.9	038	01

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NGC 1161	H II 239	GALXY	PER	03 01.3	+44 55	11.0	12.8	063	04
NGC 1160	H III 199	GALXY	PER	03 01.3	+44 58	12.8	13.3	063	04
NGC 1172	H II 502	GALXY	ERI	03 01.7	-14 50	11.9	13.3	266	10
NGC 1167	H III 178	GALXY	PER	03 01.8	+35 13	12.4	14.3	094	04
Abell 407		GALCL	PER	03 01.8	+35 51	14.7	99.9	094	04
NGC 1164	UGC 2490	GALXY	PER	03 01.9	+42 36	13.1	13.3	063	04
NGC 1180		NONEX	ERI	03 02.2	-15 01	99.9	99.9	266	10
NGC 1181		NONEX	ERI	03 02.2	-15 03	99.9	99.9	266	10
NGC 1170		NONEX	ARI	03 02.5	+27 04	99.9	99.9	131	04
NGC 1179		GALXY	ERI	03 02.6	-18 54	12.0	15.0	311	10
NGC 1187	H III 245	GALXY	ERI	03 02.6	-22 52	10.8	14.0	311	18
NGC 1185		GALXY	ERI	03 03.0	-09 08	15.0	99.9	266	10
NGC 1188	MCG -03-08-068	GALXY	ERI	03 03.7	-15 29	99.9	99.9	266	10
NGC 1195		GALXY	ERI	03 03.4	-12 02	14.0	99.9	266	10
NGC 1189		GALXY	ERI	03 03.4	-15 37	13.9	14.8	266	10
NGC 1182		GALXY	ERI	03 03.5	-09 40	99.9	99.9	266	10
NGC 1196		GALXY	ERI	03 03.5	-12 05	14.0	99.9	266	10
NGC 1190		GALXY	ERI	03 03.5	-15 39	14.2	12.6	266	10
NGC 1169	H II 620	GALXY	PER	03 03.6	+46 23	11.3	13.8	063	04
NGC 1191		GALXY	ERI	03 03.6	-15 40	14.3	12.7	266	10
NGC 1199	H II 503	GALXY	ERI	03 03.7	-15 36	11.4	13.0	266	10
NGC 1192		GALXY	ERI	03 03.7	-15 40	14.4	12.7	266	10
NGC 1194	UGC 2514	GALXY	CET	03 03.8	-01 05	12.9	13.3	221	10
NGC 1200	H II 475	GALXY	ERI	03 03.8	-11 59	13.0	99.9	266	10
NGC 1171	UGC 2510	GALXY	PER	03 04.1	+43 24	12.3	13.4	063	04
NGC 1173		NONEX	PER	03 04.2	+41 22	99.9	99.9	063	04
Berk 66		OPNCL	CAS	03 04.2	+58 46	99.9	99.9	038	01
NGC 1201	H I 109	GALXY	FOR	03 04.2	-26 03	10.7	12.8	311	18
NGC 1176		NONEX	PER	03 04.5	+41 23	99.9	99.9	063	04
NGC 1175	H II 607	GALXY	PER	03 04.5	+42 21	12.9	12.9	063	04
NGC 1174		NONEX	PER	03 04.5	+42 50	99.9	99.9	063	04
NGC 1178		NONEX	PER	03 04.6	+41 18	99.9	99.9	063	04
NGC 1177	IC 281	GALXY	PER	03 04.6	+42 22	14.5	12.6	063	04
NGC 1204		GALXY	ERI	03 04.6	-12 20	15.0	99.9	266	10
NGC 1183		NONEX	PER	03 04.7	+41 22	99.9	99.9	063	04
NGC 1202		GALXY	ERI	03 04.9	-06 29	99.9	99.9	266	10
NGC 1203A		GALXY	ERI	03 05.2	-14 22	15.0	99.9	266	10
NGC 1203B		GALXY	ERI	03 05.2	-14 22	16.0	99.9	266	10
NGC 1205	NGC 1182	NONEX	ERI	03 05.4	-09 41	99.9	99.9	266	10
NGC 1186	H IV 43	GALXY	PER	03 05.5	+42 50	11.4	12.7	063	04
NGC 1193	H II 608	OPNCL	PER	03 05.8	+44 23	12.6	99.9	063	04
NGC 1206		GALXY	ERI	03 06.1	-08 50	99.9	99.9	266	10
NGC 1198		GALXY	PER	03 06.2	+41 52	12.5	13.2	063	04
IC 284	UGC 2531	GALXY	PER	03 06.2	+42 23	11.5	13.7	063	04
NGC 1197		NONEX	PER	03 06.2	+44 04	99.9	99.9	063	04
IC 1871		BRTNB	CAS	03 06.2	+60 29	99.9	99.9	038	01
NGC 1208	H II 285	GALXY	ERI	03 06.2	-09 32	14.0	99.9	266	10
NGC 1209	H II 504	GALXY	ERI	03 06.2	-15 36	11.4	12.5	266	10
NGC 1217		GALXY	FOR	03 06.2	-39 01	12.4	13.2	390	18

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NGC 1244		UVSOB	HOR	03 06.5	-66 46	99.9	99.9	443	24
NGC 1210		GALXY	FOR	03 06.8	-25 42	12.6	13.9	311	18
NGC 1211	UGC 2545	GALXY	CET	03 06.9	-00 47	12.3	13.6	221	10
NGC 1214		GALXY	ERI	03 06.9	-09 32	14.0	12.8	266	10
NGC 1215		GALXY	ERI	03 07.1	-09 35	14.1	14.4	266	10
NGC 1246		UVSOB	HOR	03 07.1	-66 57	99.9	99.9	443	24
NGC 1216		GALXY	ERI	03 07.3	-09 36	14.8	12.8	266	10
NGC 1207	H III 578	GALXY	PER	03 08.2	+38 23	12.6	13.9	094	04
NGC 1221		GALXY	ERI	03 08.2	-04 15	15.0	99.9	221	10
NGC 1228		GALXY	ERI	03 08.2	-22 55	13.2	13.3	311	18
NGC 1229		GALXY	ERI	03 08.2	-22 57	14.0	14.1	311	18
NGC 1230		GALXY	ERI	03 08.3	-23 00	14.4	12.7	311	18
NGC 1218	3C78	GALXY	CET	03 08.4	+04 07	12.7	12.9	221	10
NGC 1225		GALXY	ERI	03 08.4	-04 08	15.0	99.9	221	10
NGC 1219		GALXY	CET	03 08.5	+02 09	13.0	13.2	221	10
NGC 1212		GALXY	PER	03 08.6	+40 51	99.9	99.9	063	04
NGC 1223		GALXY	ERI	03 08.9	-04 06	15.0	99.9	221	10
NGC 1222		GALXY	ERI	03 09.0	-02 57	12.5	12.3	221	10
NGC 1213	UGC 2557	GALXY	PER	03 09.2	+38 39	14.5	15.4	094	04
NGC 1234		GALXY	ERI	03 09.6	-07 51	15.0	99.9	266	10
NGC 1231		NONEX	ERI	03 09.6	-15 35	99.9	99.9	266	10
NGC 1232	H II 258	GALXY	ERI	03 09.7	-20 34	09.9	13.9	311	18
NGC 1249		GALXY	HOR	03 10.0	-53 20	11.8	14.3	419	24
NGC 1313A		GALXY	HOR	03 10.0	-66 40	13.9	12.6	443	24
NGC 1232A		GALXY	ERI	03 10.2	-20 35	14.7	14.2	311	18
IC 289	PK138+2.1	PLNNB	CAS	03 10.3	+61 20	12.0	99.9	018	01
IC 1898	UA 56	GALXY	ERI	03 10.3	-22 24	12.9	13.5	311	18
NGC 1252		UVSOB	HOR	03 10.5	-58 08	99.9	99.9	419	24
NGC 1237		2STAR	ERI	03 10.7	-08 40	99.9	99.9	266	10
NGC 1238		GALXY	ERI	03 10.9	-10 45	14.0	99.9	266	10
NGC 1239	H III 262	GALXY	ERI	03 11.0	-02 31	15.0	99.9	221	10
NGC 1226	UGC 2575	GALXY	PER	03 11.1	+35 24	12.9	14.3	094	04
NGC 1227		GALXY	PER	03 11.2	+35 20	14.2	14.0	094	04
NGC 1224	UGC 2578	GALXY	PER	03 11.2	+41 23	13.7	14.1	063	04
NGC 1241	H II 286	GALXY	ERI	03 11.2	-08 55	12.0	13.5	266	10
NGC 1242	H III 591	GALXY	ERI	03 11.3	-08 54	13.7	13.3	266	10
NGC 1243		2STAR	ERI	03 11.4	-08 57	99.9	99.9	266	10
NGC 1236		GALXY	ARI	03 11.6	+10 49	15.5	99.9	176	10
NGC 1220		OPNCL	PER	03 11.7	+53 20	11.8	99.9	038	01
Tr 3	Cr 36,Harvard 1	OPNCL	CAS	03 11.8	+63 15	07	99.9	018	01
NGC 1247	H II 900	GALXY	ERI	03 12.2	-10 28	12.5	12.9	266	10
NGC 1261		GLOCL	HOR	03 12.3	-55 13	08.4	99.9	419	24
NGC 1233	UGC 2586	GALXY	PER	03 12.5	+39 20	13.2	13.2	063	04
NGC 1248	H III 443	GALXY	ERI	03 12.7	-05 13	12.5	12.5	221	10
NGC 1235		3STAR	PER	03 12.8	+38 56	99.9	99.9	094	04
NGC 1240	H III 164	1STAR	ARI	03 12.9	+30 34	99.9	99.9	094	04
NGC 1255		GALXY	FOR	03 13.6	-25 47	10.9	13.4	311	18
NGC 1258		GALXY	ERI	03 13.9	-21 45	13.3	13.4	311	18
NGC 1256		GALXY	ERI	03 13.9	-21 58	13.6	12.7	311	18

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NGC 1251		2STAR	CET	03 14.1	+01 28	99.9	99.9	221	10
NGC 1253	H IV 17	GALXY	ERI	03 14.2	-02 48	11.7	14.3	221	10
NGC 1254		GALXY	CET	03 14.4	+02 42	14.1	13.2	221	10
NGC 1245	H VI 25	OPNCL	PER	03 14.7	+47 15	08.4	99.9	063	04
King 5		OPNCL	PER	03 14.8	+52 43	99.9	99.9	038	01
NGC 1269		NONEX	ERI	03 14.8	-41 04	99.9	99.9	390	18
NGC 1250	UGC 2613	GALXY	PER	03 15.2	+41 22	12.8	13.3	063	04
NGC 1262		GALXY	ERI	03 15.7	-15 52	14.2	13.4	266	10
NGC 1263		GALXY	ERI	03 15.8	-15 06	15.0	99.9	266	10
NGC 1266	H III 194	GALXY	ERI	03 16.0	-02 24	14.0	99.9	221	10
Stock 23		OPNCL	CAM	03 16.3	+60 02	99.9	99.9	038	01
NGC 1257	ZWG 540.073	GALXY	PER	03 16.4	+41 31	13.7	12.2	063	04
NGC 1184	H II 704	GALXY	CEP	03 16.7	+80 49	12.4	12.9	005	01
NGC 1259	ZWG 540.078	GALXY	PER	03 17.0	+41 21	15.5	99.9	063	04
Czernik 14		OPNCL	CAM	03 17.1	+58 36	99.9	99.9	038	01
NGC 1288		GALXY	FOR	03 17.3	-32 35	12.1	13.6	355	18
NGC 1291	NGC 1289	GALXY	ERI	03 17.3	-41 06	08.5	13.1	390	18
NGC 1260	UGC 2634	GALXY	PER	03 17.5	+41 24	13.3	12.6	063	04
NGC 1284	H III 956	GALXY	ERI	03 17.6	-10 18	14.0	99.9	266	10
NGC 1285		GALXY	ERI	03 17.8	-07 20	14.0	99.9	266	10
NGC 1286		GALXY	ERI	03 17.8	-07 39	15.0	99.9	266	10
NGC 1264	UGC 2643	GALXY	PER	03 17.9	+41 26	15.5	99.9	063	04
NGC 1280	UGC 2652	GALXY	CET	03 18.0	-00 20	13.4	12.9	221	10
NGC 1292		GALXY	FOR	03 18.1	-27 38	12.1	13.5	311	18
NGC 1313		GALXY	RET	03 18.2	-66 29	08.7	13.1	443	24
NGC 1265	UGC 2651	GALXY	PER	03 18.5	+41 50	12.1	13.2	063	04
NGC 1287	H III 195	GALXY	ERI	03 18.6	-02 45	99.9	99.9	221	10
NGC 1267	UGC 2657	GALXY	PER	03 18.9	+41 27	15.5	99.9	063	04
NGC 1268	UGC 2658	GALXY	PER	03 18.9	+41 28	13.4	12.7	063	04
NGC 1289	IC 314	GALXY	ERI	03 18.9	-01 59	12.6	13.2	221	10
NGC 1296		GALXY	ERI	03 18.9	-13 04	14.0	99.9	266	10
NGC 1270		GALXY	PER	03 19.1	+41 27	13.1	13.7	063	04
NGC 1271		GALXY	PER	03 19.2	+41 20	14.1	99.9	063	04
NGC 1297		GALXY	ERI	03 19.2	-19 05	11.8	13.2	311	10
NGC 1272		GALXY	PER	03 19.5	+41 29	11.8	13.2	063	04
NGC 1273		GALXY	PER	03 19.5	+41 32	13.2	13.2	063	04
NGC 1290		GALXY	ERI	03 19.5	-14 01	99.9	99.9	266	10
Abell 426	Perseus I	GALCL	PER	03 19.7	+41 30	13.0	99.9	063	04
NGC 1300		GALXY	ERI	03 19.7	-19 24	10.4	13.8	311	10
NGC 1274	IC 1907	GALXY	PER	03 19.8	+41 32	14.1	12.4	063	04
NGC 1275	3C84,UGC 2669	GALXY	PER	03 19.9	+41 30	11.9	13.1	063	04
NGC 1276		GALXY	PER	03 19.9	+41 33	99.9	99.9	063	04
NGC 1302		GALXY	FOR	03 19.9	-26 04	10.7	13.5	311	18
NGC 1278	H II 603	GALXY	PER	03 20.0	+41 33	12.4	13.2	063	04
NGC 1277		GALXY	PER	03 20.0	+41 34	13.5	12.3	063	04
NGC 1295		GALXY	ERI	03 20.0	-14 01	15.0	99.9	266	10
NGC 1279		GALXY	PER	03 20.1	+41 28	99.9	99.9	063	04
NGC 1299	H II 287	GALXY	ERI	03 20.1	-06 17	14.0	99.9	266	10
NGC 1311		GALXY	HOR	03 20.1	-52 10	13.0	13.8	419	24

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NGC 1281		GALXY	PER	03 20.2	+41 37	13.3	12.9	063	04
NGC 1282	UGC 2675	GALXY	PER	03 20.3	+41 21	12.9	13.4	063	04
NGC 1298	UGC 2683	GALXY	ERI	03 20.3	-02 07	14.0	14.7	221	10
NGC 1283		GALXY	PER	03 20.4	+41 23	13.6	12.6	063	04
UGC 2620		GALXY	CEP	03 20.4	+80 15	14.2	99.9	005	01
NGC 1301		GALXY	ERI	03 20.5	-18 45	13.4	13.2	311	10
NGC 1303		GALXY	ERI	03 20.7	-07 25	15.0	99.9	266	10
NGC 1304	H III 444	GALXY	ERI	03 21.0	-04 35	14.5	99.9	221	10
NGC 1310		GALXY	FOR	03 21.0	-37 08	12.1	13.1	355	18
NGC 1306		GALXY	FOR	03 21.2	-25 32	12.8	12.6	311	18
NGC 1305		GALXY	ERI	03 21.3	-02 19	13.3	13.5	221	10
NGC 1293	H III 574	GALXY	PER	03 21.7	+41 23	13.4	13.5	063	04
NGC 1294	H III 575	GALXY	PER	03 21.8	+41 21	13.2	13.5	063	04
Mel 20	Cr 39	OPNCL	PER	03 22.0	+49 00	01.2	99.9	063	04
NGC 1309	H I 106	GALXY	ERI	03 22.1	-15 25	11.5	13.0	266	10
NGC 1307		NONEX	ERI	03 22.2	-04 33	99.9	99.9	221	10
NGC 1308	H III 568	GALXY	ERI	03 22.5	-02 45	15.0	99.9	221	10
NGC 1314		GALXY	ERI	03 22.6	-04 11	15.5	99.9	221	10
NGC 1316		GALXY	FOR	03 22.6	-37 15	08.5	13.4	355	18
NGC 1317	NGC 1318	GALXY	FOR	03 22.7	-37 07	11.0	12.9	355	18
NGC 1318		NONEX	FOR	03 22.8	-37 07	99.9	99.9	355	18
NGC 1315		GALXY	ERI	03 23.1	-21 23	12.4	13.2	311	18
Czernik 15		OPNCL	PER	03 23.4	+52 15	99.9	99.9	038	01
NGC 1312		2STAR	TAU	03 23.5	+01 19	15.5	99.9	221	10
NGC 1316A		GALXY	FOR	03 23.7	-36 57	99.9	99.9	355	18
NGC 1316B		GALXY	FOR	03 23.7	-36 58	99.9	99.9	355	18
NGC 1319		GALXY	ERI	03 23.9	-21 31	12.9	12.6	311	18
NGC 1326		GALXY	FOR	03 23.9	-36 29	10.5	13.0	355	18
NGC 1325	H IV 77	GALXY	ERI	03 24.5	-21 33	11.5	13.6	311	18
NGC 1327	ESO 481-G026	GALXY	FOR	03 25.4	-25 41	14.7	13.2	311	18
NGC 1321	H III 196	GALXY	ERI	03 24.9	-03 00	14.0	99.9	221	10
NGC 1320	H III 197	GALXY	ERI	03 24.9	-03 02	12.4	12.5	221	10
NGC 1325A		GALXY	ERI	03 24.9	-21 21	13.5	99.9	311	18
NGC 1316C		GALXY	FOR	03 24.9	-37 02	13.3	13.1	355	18
NGC 1323		GALXY	ERI	03 25.0	-02 49	99.9	99.9	221	10
NGC 1322		GALXY	ERI	03 25.0	-02 54	15.0	99.9	221	10
NGC 1324	H III 445	GALXY	ERI	03 25.0	-05 45	14.0	99.9	266	10
NGC 1326A		GALXY	FOR	03 25.0	-36 21	13.3	14.4	355	18
NGC 1326B		GALXY	FOR	03 25.2	-36 21	13.3	14.6	355	18
NGC 1328		GALXY	ERI	03 25.6	-04 08	99.9	99.9	221	10
IC 1933		GALXY	HOR	03 25.7	-52 47	12.5	13.4	419	24
NGC 1329		GALXY	ERI	03 25.9	-17 37	12.6	13.0	311	10
NGC 1332	H I 60	GALXY	ERI	03 26.3	-21 21	10.3	12.2	311	18
NGC 1331	H III 959	GALXY	ERI	03 26.5	-21 22	13.4	13.2	311	18
NGC 1336		GALXY	FOR	03 26.6	-35 44	12.3	13.4	355	18
UGC 2748		GALXY	TAU	03 27.9	+02 34	13.6	14.4	221	10
NGC 1341		GALXY	FOR	03 27.9	-37 09	12.3	12.9	355	18
NGC 1337		GALXY	ERI	03 28.0	-08 24	11.9	14.1	266	10
King 6		OPNCL	CAM	03 28.1	+56 27	99.9	99.9	038	01

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NGC 1339		GALXY	FOR	03 28.1	-32 17	11.6	12.6	355	18
vdB 16		BRTNB	ARI	03 28.3	+29 43	99.9	99.9	094	04
NGC 1340		NONEX	FOR	03 28.3	-30 54	99.9	99.9	355	18
NGC 1344	H I 257	GALXY	FOR	03 28.7	-31 04	10.4	13.7	355	18
NGC 1351A		GALXY	FOR	03 28.9	-35 11	13.4	13.6	355	18
NGC 1338		GALXY	ERI	03 29.0	-12 10	13.0	99.9	267	10
vdB 14		BRTNB	CAM	03 29.2	+59 57	99.9	99.9	038	01
NGC 1333		BRTNB	PER	03 29.3	+31 25	99.9	99.9	094	04
NGC 1330	ZWG 541.014	GALXY	PER	03 29.3	+41 22	15.5	99.9	063	04
NGC 1345		GALXY	ERI	03 29.3	-17 48	13.8	14.2	312	10
NGC 1347		GALXY	ERI	03 29.7	-22 16	13.0	13.6	312	18
NGC 1334	UGC 2694	GALXY	PER	03 30.1	+41 50	13.1	13.1	063	04
vdB 15		BRTNB	CAM	03 30.1	+58 54	99.9	99.9	039	01
NGC 1346		GALXY	ERI	03 30.1	-05 33	15.0	99.9	267	10
NGC 1335		GALXY	PER	03 30.4	+41 35	13.8	13.2	063	04
NGC 1351		GALXY	FOR	03 30.6	-34 52	11.6	13.1	355	18
NGC 1356		GALXY	HOR	03 30.7	-50 17	13.0	13.3	420	24
NGC 1350		GALXY	FOR	03 31.1	-33 37	10.3	13.1	355	18
Czernik 16		OPNCL	PER	03 31.2	+52 39	99.9	99.9	039	01
NGC 1349		GALXY	TAU	03 31.4	+04 22	13.0	12.2	222	10
NGC 1352		GALXY	ERI	03 31.5	-19 16	13.3	12.9	312	10
NGC 1342	H VIII 88	OPNCL	PER	03 31.6	+37 20	06.7	99.9	094	04
IC 1954		GALXY	HOR	03 31.6	-51 55	11.6	13.2	420	24
NGC 1353	H III 246	GALXY	ERI	03 32.0	-20 50	11.4	13.0	312	18
B 1,2,202-6		DRKNB	PER	03 32.1	+31 10	79.9	79.9	094	04
NGC 1354	H III 487	GALXY	ERI	03 32.4	-15 13	14.0	99.9	267	10
Berk 9		OPNCL	PER	03 33.2	+52 42	99.9	99.9	039	01
Pal 1		GLOCL	CEP	03 33.2	+79 35	13.6	99.9	005	01
NGC 1355		GALXY	ERI	03 33.3	-05 00	13.3	12.5	222	10
NGC 1357	H II 290	GALXY	ERI	03 33.3	-13 40	11.5	13.2	267	10
NGC 1360	PK220-53.1	PLNNB	FOR	03 33.3	-25 51	09.4	99.9	312	18
NGC 1358	H III 446	GALXY	ERI	03 33.6	-05 06	12.1	13.8	222	10
IC 1953		GALXY	ERI	03 33.6	-21 29	11.7	13.5	312	18
NGC 1359		GALXY	ERI	03 33.7	-19 31	12.2	13.6	312	10
NGC 1365		GALXY	FOR	03 33.7	-36 08	09.6	14.1	355	18
NGC 1348	H VIII 84	OPNCL	PER	03 33.8	+51 26	99.9	99.9	039	01
NGC 1362	H III 960	GALXY	ERI	03 33.8	-20 17	12.5	12.7	312	18
NGC 1366	H III 857	GALXY	FOR	03 34.0	-31 13	12.0	12.6	355	18
NGC 1369	ESO 358-G034	GALXY	FOR	03 36.8	-36 15	12.7	13.4	355	18
NGC 1361		GALXY	ERI	03 34.2	-06 15	99.9	99.9	267	10
NGC 1367		NONEX	FOR	03 34.7	-24 56	99.9	99.9	312	18
NGC 1363		GALXY	ERI	03 34.8	-09 50	99.9	99.9	267	10
NGC 1364		GALXY	ERI	03 35.0	-09 50	99.9	99.9	267	10
NGC 1368		GALXY	ERI	03 35.0	-15 38	15.0	99.9	267	10
NGC 1371	H II 262	GALXY	FOR	03 35.0	-24 56	10.7	13.9	312	18
NGC 1373		GALXY	FOR	03 35.1	-35 11	13.3	13.2	355	18
NGC 1370	H III 559	GALXY	ERI	03 35.2	-20 22	12.4	12.8	312	18
NGC 1375		GALXY	FOR	03 35.3	-35 16	12.4	13.0	355	18
NGC 1374		GALXY	FOR	03 35.4	-35 14	11.1	12.9	355	18

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NGC 1378		2STAR	FOR	03 35.9	-35 12	99.9	99.9	355	18
NGC 1379		GALXY	FOR	03 36.1	-35 27	10.9	12.8	355	18
NGC 1380		GALXY	FOR	03 36.6	-34 59	09.9	12.4	355	18
NGC 1381		GALXY	FOR	03 36.6	-35 18	11.5	12.1	355	18
NGC 1377	H III 961	GALXY	ERI	03 36.7	-20 54	12.4	12.7	312	18
NGC 1380A		GALXY	FOR	03 36.8	-34 43	12.4	12.8	355	18
NGC 1392		GALXY	ERI	03 36.8	-36 16	99.9	99.9	355	18
NGC 1386		GALXY	ERI	03 36.9	-36 00	11.2	12.7	355	18
NGC 1372		GALXY	ERI	03 37.0	-15 53	99.9	99.9	267	10
NGC 1380B		NONEX	FOR	03 37.0	-35 11	99.9	99.9	355	18
NGC 1382	NGC 1380B	GALXY	FOR	03 37.0	-35 11	12.9	13.5	355	18
NGC 1387		GALXY	FOR	03 37.0	-35 31	10.7	12.8	355	18
NGC 1376	H II 288	GALXY	ERI	03 37.1	-05 02	12.1	13.3	222	10
NGC 1389		GALXY	ERI	03 37.2	-35 45	11.5	12.6	355	18
NGC 1385	H II 263	GALXY	FOR	03 37.4	-24 30	10.9	12.9	312	18
NGC 1383		GALXY	ERI	03 37.6	-18 20	12.5	12.9	312	10
NGC 1343	H III 694	GALXY	CAS	03 37.8	+72 34	12.7	14.1	005	01
NGC 1390		GALXY	ERI	03 37.9	-19 00	13.7	13.3	312	10
NGC 1396		GALXY	ERI	03 38.1	-35 26	13.8	13.5	355	18
NGC 1388		GALXY	ERI	03 38.3	-15 53	99.9	99.9	267	10
NGC 1395	H I 58	GALXY	ERI	03 38.5	-23 01	09.6	13.1	312	18
NGC 1399		GALXY	FOR	03 38.5	-35 27	09.6	13.7	355	18
NGC 1393	H III 451	GALXY	ERI	03 38.6	-18 26	12.0	12.9	312	10
NGC 1411	IC 1943	GALXY	HOR	03 38.7	-44 05	11.3	12.6	391	18
NGC 1391		GALXY	ERI	03 38.8	-18 21	13.3	12.6	312	10
NGC 1398		GALXY	FOR	03 38.9	-26 20	09.7	13.5	312	18
NGC 1404		GALXY	FOR	03 38.9	-35 35	10.0	12.5	355	18
NGC 1394		GALXY	ERI	03 39.0	-18 17	12.8	12.1	312	10
NGC 1384		GALXY	TAU	03 39.2	+15 50	14.4	13.1	177	10
NGC 1403		GALXY	ERI	03 39.3	-22 23	12.7	13.0	312	18
Berk 10		OPNCL	CAM	03 39.4	+66 32	12.0	99.9	018	01
NGC 1402		GALXY	ERI	03 39.4	-18 31	13.6	12.6	312	10
NGC 1400	H II 593	GALXY	ERI	03 39.4	-18 41	11.0	12.5	312	10
NGC 1401	H III 247	GALXY	ERI	03 39.4	-22 43	12.3	12.6	312	18
NGC 1408		NONEX	FOR	03 39.4	-35 31	99.9	99.9	355	18
NGC 1406		GALXY	FOR	03 39.5	-31 18	11.8	12.8	355	18
NGC 1397	H III 569	GALXY	ERI	03 39.6	-04 40	14.5	99.9	222	10
NGC 1427A		GALXY	ERI	03 39.6	-35 37	12.9	14.1	355	18
NGC 1407	H I 107	GALXY	ERI	03 40.1	-18 34	09.7	12.9	312	10
NGC 1405		GALXY	ERI	03 40.2	-15 30	16.0	99.9	267	10
NGC 1413		GALXY	ERI	03 40.3	-15 35	99.9	99.9	267	10
NGC 1412	ESO 482-G029	GALXY	FOR	03 40.5	-26 52	12.5	12.8	312	18
NGC 1419		GALXY	ERI	03 40.6	-37 31	12.6	12.8	356	18
NGC 1414		GALXY	ERI	03 40.7	-21 41	13.8	12.8	312	18
NGC 1415	H II 267	GALXY	ERI	03 40.9	-22 33	11.9	13.7	312	18
NGC 1416		GALXY	ERI	03 41.0	-22 46	12.9	13.5	312	18
NGC 1409	H III 263	GALXY	TAU	03 41.3	-01 17	14.0	99.9	222	10
NGC 1410		GALXY	TAU	03 41.3	-01 17	14.0	99.9	222	10
NGC 1422		GALXY	ERI	03 41.5	-21 41	13.2	13.2	312	18

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PK147- 2.1	M1-4	PLNNB	PER	03 41.7	+52 17	13.6	99.9	039	01
NGC 1417	H II 455	GALXY	ERI	03 41.9	-04 42	12.1	13.6	222	10
NGC 1433		GALXY	HOR	03 42.0	-47 14	09.9	13.7	391	18
NGC 1425	H II 852	GALXY	FOR	03 42.1	-29 54	10.6	13.4	356	18
NGC 1418	H II 456	GALXY	ERI	03 42.2	-04 43	13.6	13.6	222	10
NGC 1427		GALXY	FOR	03 42.3	-35 24	10.9	13.2	356	18
NGC 1428		GALXY	FOR	03 42.4	-35 09	12.7	12.9	356	18
NGC 1423		GALXY	ERI	03 42.6	-06 22	15.0	99.9	267	10
NGC 1421	H II 291	GALXY	ERI	03 42.6	-13 30	11.4	12.5	267	10
NGC 1420		3STAR	ERI	03 42.7	-05 51	99.9	99.9	267	10
NGC 1426	H III 248	GALXY	ERI	03 42.8	-22 06	11.4	13.0	312	18
NGC 1437A		GALXY	ERI	03 42.9	-36 16	99.9	99.9	356	18
NGC 1424	NGC 1429	GALXY	ERI	03 43.2	-04 43	13.8	13.7	222	10
NGC 1436		NONEX	ERI	03 43.3	-36 07	99.9	99.9	356	18
NGC 1430		NONEX	ERI	03 43.4	-18 14	99.9	99.9	312	10
NGC 1437	NGC 1436	GALXY	ERI	03 43.5	-35 51	11.7	13.4	356	18
B 3,4	LDN 1470	DRKNB	PER	03 44.0	+31 47	79.9	79.9	095	04
NGC 1429		1STAR	ERI	03 44.0	-04 43	99.9	99.9	222	10
NGC 1434		NONEX	ERI	03 44.4	-09 41	99.9	99.9	267	10
IC 348		CL+NB	PER	03 44.5	+32 17	07.3	99.9	095	04
NGC 1448	NGC 1457	GALXY	HOR	03 44.5	-44 38	10.7	13.3	391	18
NGC 1457		NONEX	HOR	03 44.5	-44 38	99.9	99.9	391	18
NGC 1466		LMCGC	HYI	03 44.5	-71 41	11.4	99.9	443	24
NGC 1431	UGC 2845	GALXY	TAU	03 44.6	+02 51	14.0	13.6	222	10
Ced 19c		BRTNB	TAU	03 44.8	+24 17	99.9	99.9	132	04
NGC 1439	H III 249	GALXY	ERI	03 44.8	-21 55	11.4	13.3	312	18
vdB 20		BRTNB	TAU	03 44.9	+24 07	11.6	99.9	132	04
NGC 1445		GALXY	ERI	03 44.9	-09 50	99.9	99.9	267	10
NGC 1440	H II 458	GALXY	ERI	03 45.0	-18 17	11.5	12.8	312	10
NGC 1442	H II 594	NONEX	ERI	03 45.0	-19 15	99.9	99.9	312	10
Ced 19e		BRTNB	TAU	03 45.2	+24 28	99.9	99.9	132	04
IC 334	UGC 2824	GALXY	CAM	03 45.2	+76 38	12.3	12.9	005	01
NGC 1452	H II 459	GALXY	ERI	03 45.3	-18 37	11.8	12.9	312	10
NGC 1438		GALXY	ERI	03 45.4	-23 00	12.4	12.9	312	18
NGC 1441	H II 597	GALXY	ERI	03 45.6	-04 05	12.9	12.8	222	10
NGC 1450		GALXY	ERI	03 45.6	-09 13	99.9	99.9	267	10
NGC 1443		1STAR	ERI	03 45.7	-04 01	99.9	99.9	222	10
NGC 1432		BRTNB	TAU	03 45.8	+24 10	99.9	99.9	132	04
NGC 1447		GALXY	ERI	03 45.8	-08 59	99.9	99.9	267	10
NGC 1437B		GALXY	ERI	03 45.8	-36 21	99.9	99.9	356	18
Ced 19h		BRTNB	TAU	03 45.9	+24 33	99.9	99.9	132	04
NGC 1446		NONEX	ERI	03 45.9	-04 03	99.9	99.9	222	10
NGC 1449		GALXY	ERI	03 45.9	-04 08	13.5	12.2	222	10
NGC 1454		NONEX	ERI	03 45.9	-20 41	99.9	99.9	312	18
NGC 1451		GALXY	ERI	03 46.0	-04 04	13.3	11.9	222	10
NGC 1455		GALXY	ERI	03 46.1	-18 38	99.9	99.9	312	10
NGC 1460		GALXY	ERI	03 46.1	-36 41	12.5	13.3	356	18
NGC 1435		BRTNB	TAU	03 46.2	+23 47	99.9	99.9	132	04
NGC 1463		GALXY	RET	03 46.2	-59 48	13.5	13.9	420	24

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IC 349	vdB 22	BRTNB	TAU	03 46.3	+23 56	99.9	99.9	132	04
NGC 1453	H I 155	GALXY	ERI	03 46.4	-03 58	11.5	13.2	222	10
IC 342	UGC 2847	GALXY	CAM	03 46.8	+68 06	12.0	14.9	018	01
Mel 22	M 45	CL+NB	TAU	03 47.0	+24 07	01.2	99.9	132	11
NGC 1458		NONEX	ERI	03 47.0	-18 14	99.9	99.9	312	10
NGC 1459		GALXY	FOR	03 47.0	-25 31	12.8	13.4	312	18
NGC 1473		GALXY	HYI	03 47.4	-68 12	12.9	12.9	443	24
vdB 23		BRTNB	TAU	03 47.5	+24 06	11.9	99.9	132	04
IC 351	PK159-15.1	PLNNB	PER	03 47.5	+35 03	12.4	99.9	095	04
Tombaugh 5		OPNCL	CAM	03 47.8	+59 03	08.4	99.9	039	01
B 5	LDN 1471	DRKNB	PER	03 48.0	+32 54	79.9	79.9	095	04
NGC 1456		NONEX	TAU	03 48.2	+22 34	99.9	99.9	132	04
NGC 1461	H II 460	GALXY	ERI	03 48.3	-16 23	11.8	12.8	267	10
UGC 2855		GALXY	CAM	03 48.4	+70 08	12.9	15.0	018	01
IC 2000	ESO 201-G003	GALXY	HOR	03 49.1	-48 51	11.9	13.0	391	18
Ced 19o		BRTNB	TAU	03 49.2	+24 03	99.9	99.9	132	04
Ced 19p		BRTNB	TAU	03 49.2	+24 08	99.9	99.9	132	04
NGC 1444	H VIII 80	OPNCL	PER	03 49.4	+52 40	06.6	99.9	039	01
vdB 24		BRTNB	PER	03 49.6	+38 59	99.9	99.9	095	04
NGC 1462		GALXY	TAU	03 50.3	+06 58	14.1	12.9	177	10
IC 1995	LBN 774	BRTNB	TAU	03 50.3	+25 35	99.9	99.9	132	04
NGC 1464		GALXY	ERI	03 51.5	-15 25	99.9	99.9	267	10
PK149- 1.1	Kr 2-1	BRTNB	PER	03 51.6	+51 29	99.9	99.9	039	01
NGC 1467		GALXY	ERI	03 51.9	-08 51	15.0	99.9	267	10
NGC 1476		GALXY	HOR	03 51.9	-44 32	13.1	12.6	391	18
IC 2051	ESO 004-G007	GALXY	MEN	03 52.1	-83 50	11.6	13.0	462	24
NGC 1468		GALXY	ERI	03 52.2	-06 21	15.0	99.9	267	10
NGC 1470		GALXY	ERI	03 52.2	-09 01	15.0	99.9	267	10
NGC 1483		GALXY	HOR	03 52.8	-47 29	12.7	13.4	391	18
NGC 1471		NONEX	ERI	03 53.1	-15 24	99.9	99.9	267	10
Czernik 17		OPNCL	CAM	03 53.2	+62 07	99.9	99.9	018	01
PK171-25.1	Baade 1	PLNNB	TAU	03 53.5	+19 28	13.9	99.9	132	10
NGC 1490		GALXY	RET	03 53.5	-66 02	12.4	12.8	443	24
NGC 1465		GALXY	PER	03 53.6	+32 28	13.7	13.3	095	04
NGC 1472		GALXY	ERI	03 53.7	-08 35	99.9	99.9	267	10
NGC 1477		GALXY	ERI	03 54.0	-08 35	99.9	99.9	267	10
NGC 1475		NONEX	ERI	03 54.1	-08 07	99.9	99.9	267	10
NGC 1478		GALXY	ERI	03 54.1	-08 34	99.9	99.9	267	10
IC 2006		GALXY	ERI	03 54.1	-35 59	11.3	12.7	356	18
NGC 1474		GALXY	ERI	03 54.2	-10 25	14.0	99.9	267	10
NGC 1484		GALXY	ERI	03 54.2	-37 00	12.9	13.1	356	18
NGC 1479		NONEX	ERI	03 54.4	-10 12	99.9	99.9	267	10
NGC 1481		GALXY	ERI	03 54.4	-20 25	13.4	12.9	312	18
NGC 1480		NONEX	ERI	03 54.5	-10 15	99.9	99.9	267	10
NGC 1482	H III 962	GALXY	ERI	03 54.7	-20 30	12.1	13.3	312	18
IC 353		BRTNB	TAU	03 55.0	+25 29	99.9	99.9	132	04
Arp-Madore 1		GLOCL	HOR	03 55.0	-49 36	15.9	99.9	391	18
NGC 1487		GALXY	ERI	03 55.7	-42 23	11.9	13.9	391	18
Sh2-205		BRTNB	CAM	03 56.1	+53 12	99.9	99.9	039	01

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NGC 1486		GALXY	ERI	03 56.3	-21 49	14.4	13.4	312	18
IC 2003	PK161-14.1	PLNNB	PER	03 56.4	+33 52	12.6	99.9	095	04
NGC 1503		GALXY	RET	03 56.5	-66 02	13.4	12.7	443	24
NGC 1493		GALXY	HOR	03 57.5	-46 13	11.3	13.7	391	18
NGC 1520		OPNCL	MEN	03 57.5	-76 50	99.9	99.9	462	24
NGC 1489		GALXY	ERI	03 57.6	-19 14	13.8	13.4	312	10
NGC 1494		GALXY	HOR	03 57.6	-48 55	11.7	13.5	391	18
NGC 1495		GALXY	HOR	03 58.0	-44 29	12.6	13.0	391	18
NGC 1488		GALXY	TAU	03 58.1	+18 34	14.4	99.9	132	10
NGC 1492		GALXY	ERI	03 58.1	-35 27	13.4	12.8	356	18
NGC 1500		GALXY	DOR	03 58.2	-52 19	13.8	13.8	420	24
NGC 1511		GALXY	HYI	03 59.5	-67 38	11.3	12.7	443	24
King 7		OPNCL	PER	03 59.8	+51 48	99.9	99.9	039	01
NGC 1511A		GALXY	HYI	04 00.3	-67 48	13.3	12.7	443	24
NGC 1506		GALXY	DOR	04 00.4	-52 34	13.5	13.4	420	24
NGC 1469		GALXY	CAM	04 00.5	+68 34	12.7	13.1	018	01
NGC 1498	H VII 3	NONEX	ERI	04 00.5	-12 01	99.9	99.9	268	11
NGC 1511B		GALXY	HYI	04 00.9	-67 37	14.5	13.6	443	24
NGC 1497		GALXY	TAU	04 02.1	+23 08	13.1	13.8	133	05
NGC 1504		GALXY	ERI	04 02.5	-09 19	15.0	99.9	268	11
NGC 1505		GALXY	ERI	04 02.7	-09 18	15.0	99.9	268	11
NGC 1499		BRTNB	PER	04 03.3	+36 25	99.9	99.9	095	05
NGC 1491	H I 258	BRTNB	PER	04 03.3	+51 18	99.9	99.9	039	01
NGC 1510		GALXY	HOR	04 03.5	-43 25	13.0	12.8	391	19
NGC 1515A		GALXY	DOR	04 03.7	-54 06	14.6	14.3	420	24
NGC 1512		GALXY	HOR	04 03.9	-43 21	10.3	14.4	391	19
NGC 1515		GALXY	DOR	04 03.9	-54 06	11.2	13.0	420	24
NGC 1509		GALXY	ERI	04 04.0	-11 12	15.0	99.9	268	11
NGC 1507	H II 279	GALXY	ERI	04 04.3	-02 12	12.3	13.4	223	11
NGC 1496		OPNCL	PER	04 04.4	+52 37	09.6	99.9	039	01
NGC 1485		GALXY	CAM	04 05.1	+71 00	12.6	12.9	018	01
NGC 1526		GALXY	RET	04 05.2	-65 50	13.8	12.8	443	24
NGC 1508		GALXY	TAU	04 05.8	+25 24	15.0	99.9	133	05
NGC 1522		GALXY	DOR	04 06.1	-52 40	13.6	13.4	420	24
NGC 1523		4STAR	DOR	04 06.2	-54 06	99.9	99.9	420	24
Do 14		OPNCL	TAU	04 06.6	+27 26	99.9	99.9	133	05
NGC 1518		GALXY	ERI	04 06.9	-21 10	11.8	13.2	313	19
NGC 1501	H IV 53	PLNNB	CAM	04 07.0	+60 55	12.0	99.9	039	01
NGC 1529		GALXY	RET	04 07.2	-62 54	13.4	12.0	443	24
NGC 1502	H VII 47	OPNCL	CAM	04 07.7	+62 20	06.9	99.9	018	01
IC 356	UGC 2953	GALXY	CAM	04 07.8	+69 49	10.5	13.6	018	01
NGC 1519		GALXY	ERI	04 08.0	-17 12	12.9	13.0	313	11
NGC 1516A	H III 499	GALXY	ERI	04 08.1	-08 53	15.0	99.9	268	11
NGC 1516B		GALXY	ERI	04 08.1	-08 53	15.0	99.9	268	11
NGC 1527		GALXY	HOR	04 08.3	-47 53	10.8	12.4	391	19
NGC 1521		GALXY	ERI	04 08.4	-21 03	11.4	13.1	313	19
NGC 1534		GALXY	RET	04 08.8	-62 47	12.8	13.0	443	24
IC 2035		GALXY	HOR	04 09.0	-45 31	11.8	11.7	391	18
NGC 1514	H IV 69	PLNNB	TAU	04 09.2	+30 47	10.8	99.9	095	05

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NGC 1517		GALXY	TAU	04 09.3	+08 39	13.4	13.3	178	11
NGC 1533		GALXY	DOR	04 09.8	-56 07	10.7	12.6	420	24
NGC 1513	H VII 60	OPNCL	PER	04 10.0	+49 31	08.4	99.9	064	05
NGC 1524		NONEX	ERI	04 10.3	-08 48	99.9	99.9	268	11
NGC 1525		NONEX	ERI	04 10.3	-08 48	99.9	99.9	268	11
NGC 1536		GALXY	RET	04 11.0	-56 28	12.5	13.5	420	24
NGC 1531		GALXY	ERI	04 12.0	-32 51	12.2	12.3	356	19
NGC 1532		GALXY	ERI	04 12.1	-32 52	09.9	13.8	356	19
NGC 1543		GALXY	RET	04 12.7	-57 44	10.5	13.2	420	24
IC 360		BRTNB	TAU	04 13.0	+25 38	99.9	99.9	133	05
PK147+ 4.1	M2-2	PLNNB	CAM	04 13.3	+56 57	13.7	99.9	039	01
NGC 1557		NONEX	HYI	04 13.3	-70 25	99.9	99.9	444	24
vdB 26		BRTNB	TAU	04 13.6	+10 13	99.9	99.9	178	11
NGC 1537		GALXY	ERI	04 13.8	-31 33	10.6	12.9	356	19
NGC 1535	H IV 26	PLNNB	ERI	04 14.2	-12 44	10.4	99.9	268	11
NGC 1546		GALXY	DOR	04 14.6	-56 03	10.9	12.5	420	24
NGC 1538		GALXY	ERI	04 14.7	-13 12	15.0	99.9	268	11
NGC 1528	H VII 61	OPNCL	PER	04 15.4	+51 14	06.4	99.9	039	01
NGC 1540		GALXY	ERI	04 15.4	-28 24	99.9	99.9	356	19
NGC 1549		GALXY	DOR	04 15.8	-55 34	09.8	13.0	420	24
NGC 1553		GALXY	DOR	04 16.2	-55 46	09.4	12	420	24
IC 2056		GALXY	RET	04 16.4	-60 13	11.9	12.9	420	24
NGC 1541		GALXY	TAU	04 17.0	+00 50	13.5	12.9	223	11
NGC 1542		GALXY	TAU	04 17.2	+04 48	13.9	13.2	223	11
NGC 1547	ESO 550-G018	GALXY	ERI	04 17.2	-17 51	13.6	13.1	313	11
NGC 1559		GALXY	RET	04 17.6	-62 47	10.6	12.6	444	24
NGC 1556		GALXY	DOR	04 17.8	-50 09	13.1	12.8	420	24
NGC 1539		GALXY	TAU	04 19.0	+26 51	15.5	99.9	133	05
IC 359		BRTNB	TAU	04 19.0	+28 12	99.9	99.9	095	05
B 8,9,11,13		DRKNB	CAM	04 19.0	+55 03	79.9	79.9	039	01
IC 361		OPNCL	CAM	04 19.0	+58 18	11.7	99.9	039	01
NGC 1558		GALXY	HOR	04 19.3	-45 02	12.5	13.3	391	19
NGC 1551	H II 464	NONEX	TAU	04 19.6	+01 25	99.9	99.9	223	11
NGC 1550	UGC 3012	GALXY	TAU	04 19.6	+02 26	12.0	13.5	223	11
Mayer 2		OPNCL	CAM	04 19.7	+53 16	99.9	99.9	039	01
PK151+ 2.1	VV 1-2	BRTNB	CAM	04 19.8	+53 06	99.9	99.9	039	01
NGC 1566		GALXY	DOR	04 20.0	-54 57	09.7	13.9	420	24
NGC 1552	H III 490	GALXY	ERI	04 20.3	-00 40	12.9	13.7	223	11
Berk 11		OPNCL	PER	04 20.6	+44 55	10.4	99.9	064	05
NGC 1545	H VIII 85	OPNCL	PER	04 20.9	+50 15	06.2	99.9	039	01
NGC 1548		OPNCL	PER	04 21.0	+36 56	99.9	99.9	096	05
NGC 1567		UVSOB	CAE	04 21.1	-48 15	99.9	99.9	391	19
NGC 1562		GALXY	ERI	04 21.7	-15 45	99.9	99.9	268	11
NGC 1574		GALXY	RET	04 22.0	-56 59	10.4	12.9	420	24
Be 84		DRKNB	TAU	04 22.1	+19 30	79.9	79.9	133	11
NGC 1570		NONEX	CAE	04 22.2	-43 28	99.9	99.9	391	19
NGC 1571	NGC 1570	GALXY	CAE	04 22.2	-43 38	12.3	13.5	391	19
NGC 1572		GALXY	CAE	04 22.6	-40 36	12.4	13.5	391	19
NGC 1563		GALXY	ERI	04 22.8	-15 44	15.0	99.9	268	11

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NGC 1554		BRTNB	TAU	04 22.9	+19 32	99.9	99.9	133	11
NGC 1555		BRTNB	TAU	04 22.9	+19 32	99.9	99.9	133	11
NGC 1564		GALXY	ERI	04 22.9	-15 44	99.9	99.9	268	11
NGC 1561		GALXY	ERI	04 23.0	-15 51	15.0	99.9	268	11
NGC 1565		GALXY	ERI	04 23.4	-15 45	15.0	99.9	268	11
NGC 1530		GALXY	CAM	04 23.5	+75 18	11.4	13.9	005	01
NGC 1578		GALXY	DOR	04 23.8	-51 35	13.1	13.3	420	24
NGC 1568	UGC 3031	GALXY	ERI	04 24.4	-00 45	15.0	99.9	223	11
NGC 1581		GALXY	DOR	04 24.7	-54 56	12.9	13.0	420	24
Eridanus Cluster		GLOCL	ERI	04 24.8	-21 11	15.3	99.9	313	19
PK146+ 7.1	M4-18	PLNNB	CAM	04 25.8	+60 07	15.8	99.9	039	01
NGC 1576	H III 587	GALXY	ERI	04 26.2	-03 37	15.0	99.9	223	11
NGC 1577		NONEX	ERI	04 26.3	-10 07	99.9	99.9	268	11
NGC 1575		GALXY	ERI	04 26.4	-10 05	13.0	99.9	268	11
Mel 25	Hyades	OPNCL	TAU	04 27.0	+16 00	0.5	99.9	178	11
Ced 33		BRTNB	TAU	04 27.1	+26 06	99.9	99.9	133	05
Ced 34		BRTNB	TAU	04 27.2	+22 57	99.9	99.9	133	05
LDN 1543		DRKNB	TAU	04 27.4	+18 52	79.9	79.9	133	11
NGC 1585		GALXY	CAE	04 27.5	-42 09	13.5	13.1	392	19
NGC 1596		GALXY	DOR	04 27.6	-55 01	11.2	12.4	420	24
NGC 1602		GALXY	DOR	04 27.8	-55 04	13.0	13.6	420	24
NGC 1584		GALXY	ERI	04 28.1	-17 32	13.8	13.1	313	11
NGC 1580		GALXY	ERI	04 28.2	-05 11	14.5	99.9	223	11
Czernik 18		OPNCL	TAU	04 28.3	+30 56	99.9	99.9	096	05
NGC 1583		GALXY	ERI	04 28.3	-17 37	15.0	99.9	313	11
NGC 1595		UVSOB	CAE	04 28.4	-47 49	99.9	99.9	392	19
NGC 1598		UVSOB	CAE	04 28.6	-47 47	99.9	99.9	392	19
NGC 1629		LMCOC	HYI	04 29.3	-71 50	99.9	99.9	444	24
NGC 1591		GALXY	ERI	04 29.4	-26 44	12.8	12.6	313	19
NGC 1592	ESO 421-G002	GALXY	ERI	04 29.6	-27 25	13.7	13.4	313	19
B 12		DRKNB	CAM	04 30.0	+54 17	79.9	79.9	039	01
NGC 1579	H I 217	BRTNB	PER	04 30.1	+35 16	99.9	99.9	096	05
NGC 1587	H II 8	GALXY	TAU	04 30.7	+00 39	11.7	12.7	223	11
NGC 1586	UGC 3062	GALXY	ERI	04 30.7	-00 18	13.2	13.5	223	11
NGC 1588	H II 9	GALXY	TAU	04 30.8	+00 39	12.9	12.9	223	11
NGC 1589	H II 7	GALXY	TAU	04 30.8	+00 51	11.8	12.9	223	11
NGC 1594		GALXY	ERI	04 30.8	-05 48	14.0	99.9	268	11
NGC 1569	H II 768	GALXY	CAM	04 30.9	+64 50	11.0	12.9	019	01
NGC 1590	UGC 3071	GALXY	TAU	04 31.1	+07 37	13.7	13.0	178	11
NGC 1597		GALXY	ERI	04 31.2	-11 17	15.0	99.9	268	11
NGC 1599		GALXY	ERI	04 31.6	-04 35	13.7	13.1	223	11
NGC 1600	H I 158	GALXY	ERI	04 31.6	-05 04	10.9	12.4	223	11
NGC 1601		GALXY	ERI	04 31.6	-05 04	13.8	11.9	223	11
NGC 1603		GALXY	ERI	04 31.7	-05 06	13.8	12.7	223	11
NGC 1617		GALXY	DOR	04 31.7	-54 36	10.4	12.7	421	24
NGC 1593	NGC 1608	GALXY	TAU	04 31.9	+00 34	99.9	99.9	223	11
NGC 1608	IC 2077	GALXY	TAU	04 31.9	+00 35	13.4	13.3	223	11
NGC 1606		GALXY	ERI	04 31.9	-05 03	17.0	99.9	223	11
NGC 1604		GALXY	ERI	04 31.9	-05 22	14.5	99.9	223	11

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NGC 1582	H VIII 70	OPNCL PER	04 32.0 +43 51	07	99.9	065	05
NGC 1607		GALXY ERI	04 32.0 -04 27	15.0	99.9	223	11
NGC 1609	H III 585	GALXY ERI	04 32.6 -04 22	15.0	99.9	224	11
NGC 1616		GALXY CAE	04 32.7 -43 43	12.6	13.0	392	19
NGC 1560	IC 2062	GALXY CAM	04 32.8 +71 52	11.4	14.3	019	01
B 7		DRKNB TAU	04 33.0 +26 06	79.9	79.9	134	05
NGC 1611	H III 586	GALXY ERI	04 33.0 -04 17	15.0	99.9	224	11
NGC 1612		GALXY ERI	04 33.1 -04 10	15.0	99.9	224	11
UGC 3087		GALXY TAU	04 33.2 +05 21	13.7	99.9	224	11
NGC 1613		GALXY ERI	04 33.3 -04 15	15.0	99.9	224	11
NGC 1614		GALXY ERI	04 34.0 -08 35	12.9	13.2	269	11
NGC 1610		GALXY ERI	04 34.1 -04 42	99.9	99.9	224	11
NGC 1605	H VI 26	OPNCL PER	04 35.0 +45 15	10.7	99.9	065	05
NGC 1573	UGC 3077?	GALXY CAM	04 35.0 +73 15	11.7	12.7	005	01
NGC 1623		GALXY ERI	04 35.6 -13 33	99.9	99.9	269	11
NGC 1615		GALXY TAU	04 36.1 +19 57	13.6	13.3	134	11
NGC 1641		LMCOC DOR	04 36.1 -65 46	99.9	99.9	444	24
NGC 1618	H II 524	GALXY ERI	04 36.2 -03 09	12.7	13.3	224	11
NGC 1619		NONEX ERI	04 36.2 -04 50	99.9	99.9	224	11
NGC 1621		GALXY ERI	04 36.3 -04 58	14.5	99.9	224	11
NGC 1622	Ho 77a	GALXY ERI	04 36.6 -03 11	12.5	13.4	224	11
NGC 1620	H II 514	GALXY ERI	04 36.7 -00 09	12.3	13.3	224	11
NGC 1625		GALXY ERI	04 37.1 -03 18	12.3	12.2	224	11
NGC 1626		NONEX ERI	04 37.2 -05 00	99.9	99.9	224	11
PK174-14.1	Haro 3-29	PLNNB TAU	04 37.3 +25 03	13.6	99.9	134	05
NGC 1630		GALXY ERI	04 37.3 -18 54	14.1	12.8	314	11
NGC 1628		GALXY ERI	04 37.5 -04 42	14.0	99.9	224	11
NGC 1627		GALXY ERI	04 37.5 -04 51	13.0	99.9	224	11
NGC 1651		LMCGC MEN	04 37.5 -70 35	99.9	99.9	444	24
NGC 1644		LMCGC DOR	04 38.0 -66 12	13.0	99.9	444	24
NGC 1652		LMCGC DOR	04 38.1 -68 40	99.9	99.9	444	24
NGC 1649		NONEX DOR	04 38.1 -68 49	99.9	99.9	444	24
NGC 1631		GALXY ERI	04 38.4 -20 40	13.4	13.5	314	19
Berk 67		OPNCL PER	04 38.7 +50 45	99.9	99.9	040	01
NGC 1632		GALXY ERI	04 39.9 -09 27	13.0	99.9	269	11
NGC 1634	H III 953	GALXY TAU	04 40.0 +07 20	14.1	11.9	179	11
NGC 1633	H III 952	GALXY TAU	04 40.0 +07 21	13.5	13.1	179	11
IC 2087		BRTNB TAU	04 40.0 +25 44	99.9	99.9	134	05
NGC 1635	H II 515	GALXY ERI	04 40.2 -00 33	12.4	12.9	224	11
NGC 1624	H V 49	CL+NB PER	04 40.4 +50 27	11.8	99.9	040	01
UGC 3128		GALXY TAU	04 40.6 +04 12	13.9	99.9	224	11
NGC 1636	H II 522	GALXY ERI	04 40.7 -08 36	14.0	99.9	269	11
NGC 1639		3STAR ERI	04 40.8 -16 59	99.9	99.9	269	11
NGC 1637	H I 122	GALXY ERI	04 41.4 -02 50	10.8	13.4	224	11
NGC 1638	H II 525	GALXY ERI	04 41.7 -01 48	12.0	13.1	224	11
NGC 1640		GALXY ERI	04 42.3 -20 26	11.7	13.3	314	19
NGC 1673		LMCOC MEN	04 42.4 -69 51	99.9	99.9	444	24
NGC 1642	UGC 3140	GALXY TAU	04 42.9 +00 37	12.6	13.6	224	11
PK166- 6.1		PLNNB AUR	04 42.9 +36 07	99.9	99.9	096	05

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NGC 1669		GALXY	DOR	04 43.0	-65 48	13.9	12.4	444	24
NGC 1643	H III 588	GALXY	ERI	04 43.6	-05 17	14.0	99.9	224	11
NGC 1676		LMCOC	DOR	04 43.7	-68 50	99.9	99.9	444	24
NGC 1645		GALXY	ERI	04 44.0	-05 26	14.0	99.9	224	11
NGC 1658		GALXY	CAE	04 44.0	-41 27	13.5	13.0	392	19
NGC 1660		GALXY	CAE	04 44.2	-41 29	13.9	13.1	392	19
NGC 1646	H II 523	GALXY	ERI	04 44.3	-08 33	14.5	99.9	269	11
NGC 1530A	IC 381	GALXY	CAM	04 44.4	+75 39	12.3	13.4	005	01
Berk 68		OPNCL	PER	04 44.5	+42 04	09.8	99.9	065	05
NGC 1648		GALXY	ERI	04 44.5	-08 29	16.0	99.9	269	11
NGC 1841		GLOCL	MEN	04 44.9	-84 00	12.0	99.9	462	24
NGC 1650		GALXY	ERI	04 45.1	-15 51	14.0	99.9	269	11
Berk 12		OPNCL	PER	04 45.3	+42 41	99.9	99.9	065	05
NGC 1672		GALXY	DOR	04 45.7	-59 14	09.7	13.4	421	24
NGC 1656		GALXY	ERI	04 45.8	-05 08	14.0	99.9	224	11
NGC 1654		GALXY	ERI	04 45.9	-02 05	13.4	12.6	224	11
NGC 1653	H II 526	GALXY	ERI	04 45.9	-02 24	12.0	12.8	224	11
NGC 1647	H VIII 8	OPNCL	TAU	04 46.0	+19 04	06.4	99.9	134	11
Pal 2		GLOCL	AUR	04 46.1	+31 23	13.0	99.9	096	05
NGC 1668		GALXY	CAE	04 46.1	-44 43	12.7	13.0	392	19
NGC 1657		GALXY	ERI	04 46.2	-02 04	13.8	13.6	224	11
UGC 3137		GALXY	CAM	04 46.3	+76 26	14.2	14.3	005	01
NGC 1659	H III 589	GALXY	ERI	04 46.4	-04 47	12.5	13.0	224	11
Ru 148		OPNCL	PER	04 46.5	+44 44	09.5	99.9	065	05
NGC 1655		NONEX	TAU	04 47.2	+20 56	99.9	99.9	134	05
NGC 1661		GALXY	ORI	04 47.2	-02 03	13.2	13.3	224	11
NGC 1693		LMCOC	DOR	04 47.5	-69 21	99.9	99.9	444	24
NGC 1695		LMCOC	DOR	04 47.6	-69 24	99.9	99.9	444	24
UGC 3144		GALXY	CAM	04 47.8	+74 55	14.4	14.7	005	01
NGC 1696		LMCOC	DOR	04 48.1	-68 16	99.9	99.9	444	24
NGC 1665	H II 457	GALXY	ERI	04 48.2	-05 25	14.0	99.9	224	11
vdB 29		BRTNB	TAU	04 48.4	+29 47	99.9	99.9	096	05
NGC 1573A	ZWG 328.021	GALXY	CAM	04 48.4	+73 28	14.5	99.9	005	01
NGC 1666		GALXY	ERI	04 48.4	-06 33	12.6	13.0	269	11
NGC 1688		GALXY	DOR	04 48.4	-59 47	12.0	13.4	421	24
NGC 1662	H VII 1	OPNCL	ORI	04 48.5	+10 56	06.4	99.9	179	11
NGC 1663	H VIII 7	OPNCL	ORI	04 48.6	+13 10	99.9	99.9	179	11
NGC 1667		GALXY	ERI	04 48.6	-06 18	12.1	12.9	269	11
NGC 1680		UVSOB	PIC	04 48.6	-47 48	99.9	99.9	392	19
NGC 1697		LMCOC	DOR	04 48.6	-68 32	99.9	99.9	444	24
NGC 1702		LMCOC	MEN	04 49.3	-69 51	99.9	99.9	444	24
NGC 1698		LMCDN	DOR	04 49.4	-69 10	99.9	99.9	444	24
NGC 1704		LMCOC	DOR	04 49.7	-69 45	99.9	99.9	444	24
NGC 1670	H III 501	GALXY	ORI	04 49.9	-02 44	12.7	13.4	224	11
NGC 1679		GALXY	CAE	04 49.9	-31 58	11.5	13.2	357	19
NGC 1671		NONEX	ORI	04 50.3	-00 46	99.9	99.9	224	11
NGC 1711		LMCOC	MEN	04 50.5	-70 00	10.0	99.9	444	24
NGC 1677		GALXY	ERI	04 50.8	-04 51	15.0	99.9	224	11
NGC 1664	H VIII 59	OPNCL	AUR	04 51.1	+43 42	07.6	99.9	065	05

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NGC 1687		GALXY	CAE	04 51.3	-33 56	13.9	13.3	357	19
NGC 1712		LMCCN	DOR	04 51.3	-69 28	99.9	99.9	444	24
NGC 1678	H III 502	GALXY	ORI	04 51.7	-02 38	13.2	12.8	224	11
NGC 1681		GALXY	ERI	04 51.7	-05 49	13.5	99.9	269	11
NGC 1715		LMCDN	DOR	04 52.1	-66 55	99.9	99.9	444	24
NGC 1714		LMCDN	DOR	04 52.1	-66 56	99.9	99.9	444	24
NGC 1718		LMCOC	DOR	04 52.2	-67 04	99.9	99.9	444	24
NGC 1727		LMCCN	DOR	04 52.2	-69 21	99.9	99.9	444	24
NGC 1722		LMCCN	DOR	04 52.2	-69 24	99.9	99.9	444	24
NGC 1683		GALXY	ORI	04 52.3	-03 01	99.9	99.9	224	11
NGC 1682	H II 527	GALXY	ORI	04 52.3	-03 06	14.0	99.9	224	11
NGC 1674		NONEX	TAU	04 52.4	+23 54	99.9	99.9	134	05
NGC 1675		NONEX	TAU	04 52.4	+23 54	99.9	99.9	134	05
NGC 1684	H II 528	GALXY	ORI	04 52.5	-03 06	13.0	99.9	224	11
NGC 1706		UVSOB	DOR	04 52.5	-63 00	99.9	99.9	444	24
NGC 1685		GALXY	ORI	04 52.6	-02 57	14.5	99.9	224	11
NGC 1686		GALXY	ERI	04 52.8	-15 22	14.0	99.9	269	11
NGC 1703		GALXY	DOR	04 52.9	-59 44	11.3	13.4	421	24
NGC 1732		LMCOC	DOR	04 52.9	-68 40	99.9	99.9	444	24
NGC 1736		LMCDN	DOR	04 53.1	-68 04	99.9	99.9	444	24
NGC 1734		LMCOC	DOR	04 53.3	-68 47	99.9	99.9	444	24
NGC 1731		LMCCN	DOR	04 53.4	-66 56	99.9	99.9	444	24
NGC 1689		NONEX	ERI	04 53.6	-06 20	99.9	99.9	269	11
NGC 1733		LMCOC	DOR	04 53.9	-66 41	99.9	99.9	444	24
NGC 1735		LMCCN	DOR	04 53.9	-67 07	99.9	99.9	444	24
NGC 1743	Dunlop 114	LMCCN	DOR	04 54.0	-69 12	99.9	99.9	444	24
NGC 1751		LMCGC	MEN	04 54.2	-69 49	99.9	99.9	444	24
NGC 1690		GALXY	ORI	04 54.3	+01 37	15.0	99.9	224	11
NGC 1705		GALXY	PIC	04 54.3	-53 21	12.4	13.3	421	24
NGC 1737		LMCCN	DOR	04 54.3	-69 12	99.9	99.9	444	24
NGC 1745		LMCCN	DOR	04 54.3	-69 12	99.9	99.9	444	24
NGC 1748		LMCCN	DOR	04 54.4	-69 12	99.9	99.9	444	24
NGC 1754		LMCGC	MEN	04 54.4	-70 27	99.9	99.9	444	24
NGC 1691		GALXY	ORI	04 54.6	+03 15	12.0	12.9	224	11
NGC 1749		LMCOC	DOR	04 54.6	-68 12	99.9	99.9	444	24
NGC 1756		LMCOC	DOR	04 54.6	-69 15	99.9	99.9	444	24
NGC 1692		GALXY	ERI	04 54.7	-20 34	13.0	13.4	314	19
NGC 1747		LMCCN	DOR	04 54.9	-67 11	99.9	99.9	444	24
NGC 1755		LMCOC	DOR	04 55.0	-68 11	09.9	99.9	444	24
B 26-8		DRKNB	AUR	04 55.2	+30 35	79.9	79.9	096	05
NGC 1694		GALXY	ERI	04 55.2	-04 39	15.0	99.9	224	11
vdB 31		BRTNB	AUR	04 55.7	+30 33	99.9	99.9	096	05
NGC 1701		GALXY	CAE	04 55.8	-29 53	12.8	12.8	357	19
NGC 1766		LMCOC	MEN	04 55.8	-70 14	99.9	99.9	444	24
NGC 1777		LMCOC	MEN	04 55.8	-74 17	99.9	99.9	462	24
NGC 1764		LMCOC	DOR	04 56.2	-67 41	99.9	99.9	444	24
NGC 1767		LMCCN	DOR	04 56.3	-69 24	99.9	99.9	444	24
Berk 13		OPNCL	CAM	04 56.4	+52 45	99.9	99.9	040	01
NGC 1761		LMCCN	DOR	04 56.4	-66 30	99.9	99.9	444	24

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NGC 1760		LMCCN	DOR	04 56.5	-66 32	99.9	99.9	444	24
NGC 1768		LMCOC	DOR	04 56.7	-68 15	99.9	99.9	444	24
NGC 1772		LMCCN	DOR	04 56.7	-69 34	99.9	99.9	444	24
NGC 1763		LMCCN	DOR	04 56.8	-66 25	99.9	99.9	444	24
NGC 1775		LMCOC	MEN	04 56.8	-70 26	99.9	99.9	444	24
NGC 1699		GALXY	ERI	04 56.9	-04 46	15.0	99.9	224	11
NGC 1700	H IV 32	GALXY	ERI	04 56.9	-04 52	11.2	13.3	224	11
Czernik 19		OPNCL	AUR	04 57.0	+28 47	99.9	99.9	096	05
NGC 1770		LMCCN	DOR	04 57.0	-68 25	09	99.9	444	24
NGC 1710		GALXY	LEP	04 57.2	-15 18	14.0	99.9	269	11
IC 391	UGC 3190	GALXY	CAM	04 57.4	+78 11	12.7	12.8	005	01
NGC 1782		LMCCN	DOR	04 57.6	-69 23	99.9	99.9	444	24
NGC 1769		LMCCN	DOR	04 57.7	-66 28	99.9	99.9	444	24
NGC 1774		LMCOC	DOR	04 57.8	-67 15	10.5	99.9	444	24
NGC 1789		LMCOC	MEN	04 57.8	-71 54	99.9	99.9	444	24
IC 396	UGC 3203	GALXY	CAM	04 58.0	+68 19	12.0	13.1	019	01
NGC 1773		LMCCN	DOR	04 58.3	-66 21	99.9	99.9	444	24
NGC 1716		GALXY	LEP	04 58.4	-20 24	13.2	13.6	314	19
NGC 1765		GALXY	DOR	04 58.4	-62 02	12.9	13.0	444	24
NGC 1776		LMCOC	DOR	04 58.4	-66 26	99.9	99.9	444	24
NGC 1785		NONEX	DOR	04 58.6	-68 52	99.9	99.9	444	24
NGC 1709		GALXY	ORI	04 58.8	-00 29	14.2	13.5	224	11
NGC 1707	IC 2107	NONEX	ORI	04 58.9	+08 14	99.9	99.9	179	11
NGC 1713	H II 516	GALXY	ORI	04 58.9	-00 30	12.7	13.3	224	11
NGC 1771		GALXY	DOR	04 58.9	-63 20	13.4	13.2	444	24
NGC 1783		LMCGC	DOR	04 58.9	-66 00	11.0	99.9	444	24
NGC 1791		LMCDN	MEN	04 59.0	-70 10	99.9	99.9	444	24
NGC 1787		LMCOC	DOR	04 59.1	-65 44	99.9	99.9	444	24
NGC 1786		LMCGC	DOR	04 59.1	-67 45	10.1	99.9	444	24
MCG +01-13-013		GALXY	ORI	04 59.2	+05 36	12.0	99.9	179	11
NGC 1717		1STAR	ORI	04 59.2	-00 15	99.9	99.9	224	11
NGC 1721		GALXY	ERI	04 59.2	-11 08	13.0	99.9	269	11
NGC 1720		GALXY	ERI	04 59.4	-07 52	13.0	99.9	269	11
NGC 1723		GALXY	ERI	04 59.4	-10 59	12.0	99.9	269	11
NGC 1725		GALXY	ERI	04 59.4	-11 08	13.0	99.9	269	11
NGC 1793		LMCOC	DOR	04 59.4	-69 33	99.9	99.9	444	24
NGC 1728		GALXY	ERI	04 59.5	-11 08	13.0	99.9	269	11
NGC 1730		GALXY	LEP	04 59.5	-15 50	13.0	99.9	269	11
NGC 1795		LMCGC	DOR	04 59.5	-69 48	99.9	99.9	444	24
NGC 1719	UGC 3226	GALXY	ORI	04 59.6	-00 16	13.6	12.3	224	11
NGC 1726		GALXY	ERI	04 59.7	-07 45	11.7	12.1	269	11
NGC 1744		GALXY	LEP	04 59.9	-26 02	11.1	14.9	314	19
NGC 1729	H III 503	GALXY	ORI	05 00.1	-03 21	13.0	99.9	224	11
NGC 1801		LMCOC	DOR	05 00.5	-69 38	99.9	99.9	444	24
NGC 1759		GALXY	CAE	05 00.8	-38 43	13.1	13.6	358	19
NGC 1804		LMCOC	DOR	05 00.9	-69 05	99.9	99.9	444	24
Berk 14		OPNCL	AUR	05 01.1	+43 48	99.9	99.9	065	05
NGC 1742		1STAR	ORI	05 01.6	-03 18	99.9	99.9	224	11
NGC 1741	IC 339	GALXY	ERI	05 01.6	-04 16	12.5	12.4	224	11

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NGC 1738		GALXY	LEP	05 01.7	-18 11	12.9	12.6	314	11
NGC 1739		GALXY	LEP	05 01.7	-18 12	13.5	13.3	314	11
NGC 1740		GALXY	ORI	05 01.8	-03 18	15.0	99.9	224	11
NGC 1806		LMCGC	DOR	05 01.9	-67 59	11.5	99.9	444	24
NGC 1809		GALXY	DOR	05 02.0	-69 34	12.1	13.0	444	24
NGC 1752		GALXY	ERI	05 02.2	-08 14	12.4	13.1	269	11
NGC 1805		LMCOC	DOR	05 02.2	-66 06	10.5	99.9	444	24
NGC 1815		LMCOC	MEN	05 02.3	-70 37	99.9	99.9	444	24
NGC 1753		GALXY	ORI	05 02.4	-03 21	15.5	99.9	224	11
NGC 1708		NONEX	CAM	05 02.6	+52 53	99.9	99.9	040	01
NGC 1544		GALXY	CEP	05 02.6	+86 13	13.2	13.1	001	01
NGC 1757		NONEX	ERI	05 02.6	-04 44	99.9	99.9	224	11
NGC 1813		LMCOC	MEN	05 02.6	-70 19	99.9	99.9	444	24
NGC 1796		GALXY	DOR	05 02.7	-61 08	12.3	12.8	444	24
NGC 1810		LMCOC	DOR	05 03.1	-66 22	99.9	99.9	444	24
Berk 15		OPNCL	AUR	05 03.2	+44 27	99.9	99.9	065	05
PK215-30.1	Abell 7	PLNNB	LEP	05 03.2	-15 36	13.2	99.9	269	11
NGC 1724		OPNCL	AUR	05 03.5	+49 30	99.9	99.9	065	05
NGC 1823		LMCOC	MEN	05 03.5	-70 21	99.9	99.9	444	24
NGC 1762	H III 453	GALXY	ORI	05 03.6	+01 34	12.6	13.1	224	11
NGC 1746		OPNCL	TAU	05 03.6	+23 49	06.1	99.9	134	05
NGC 1814		LMCCN	DOR	05 03.8	-67 17	09	99.9	444	24
NGC 1816		LMCCN	DOR	05 03.8	-67 17	09	99.9	444	24
NGC 1820		LMCOC	DOR	05 03.8	-67 17	09	99.9	444	24
NGC 1750	H VIII 43	OPNCL	TAU	05 03.9	+23 39	99.9	99.9	134	05
NGC 1825		LMCOC	DOR	05 04.1	-68 55	99.9	99.9	444	24
NGC 1828		LMCOC	DOR	05 04.1	-69 23	99.9	99.9	444	24
NGC 1818		LMCOC	DOR	05 04.2	-66 24	09.8	99.9	444	24
NGC 1833		LMCCN	MEN	05 04.3	-70 43	99.9	99.9	444	24
NGC 1758	H VII 21	OPNCL	TAU	05 04.4	+23 46	99.9	99.9	135	05
NGC 1830		LMCOC	DOR	05 04.5	-69 20	99.9	99.9	444	24
Do 15		OPNCL	AUR	05 04.6	+34 50	99.9	99.9	097	05
NGC 1829		LMCCN	DOR	05 04.7	-68 03	08.5	99.9	444	24
NGC 1837		LMCCN	MEN	05 04.7	-70 42	99.9	99.9	444	24
NGC 1822		LMCOC	DOR	05 05.0	-66 12	99.9	99.9	444	24
NGC 1792		GALXY	COL	05 05.2	-38 00	10.2	12.9	358	19
NGC 1796A		GALXY	DOR	05 05.2	-61 11	13.9	13.6	444	24
NGC 1835		LMCGC	DOR	05 05.2	-69 24	09.8	99.9	444	24
NGC 1779	H III 500	GALXY	ERI	05 05.3	-09 09	12.1	13.1	270	11
NGC 1836		LMCOC	DOR	05 05.3	-68 37	99.9	99.9	444	24
NGC 1834		3STAR	DOR	05 05.3	-69 13	99.9	99.9	444	24
NGC 1826		LMCOC	DOR	05 05.4	-66 13	99.9	99.9	444	24
NGC 1803		UVSOB	PIC	05 05.5	-49 35	99.9	99.9	392	19
PK190-17.1	J 320	PLNNB	ORI	05 05.6	+10 42	12.9	99.9	180	11
NGC 1784		GALXY	LEP	05 05.6	-11 52	11.7	14.0	270	11
NGC 1838		LMCOC	DOR	05 05.9	-68 27	99.9	99.9	444	24
NGC 1839		LMCCN	DOR	05 05.9	-68 37	99.9	99.9	444	24
NGC 1831		LMCOC	DOR	05 06.1	-64 55	11.0	99.9	444	24
B 29		DRKNB	AUR	05 06.2	+31 44	79.9	79.9	097	05

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NGC 1845		LMCOC	MEN	05 06.3	-70 28	99.9	99.9	444	24
NGC 1780		GALXY	LEP	05 06.4	-19 29	13.7	12.8	315	11
NGC 1800		GALXY	COL	05 06.4	-31 57	12.6	13.3	358	19
NGC 1840		LMCOC	MEN	05 06.4	-71 49	99.9	99.9	444	24
LDN 1616		DRKNB	ORI	05 06.5	-03 26	79.9	79.9	225	11
PK167- 0.1	Abell 8	PLNNB	AUR	05 06.6	+39 08	16.6	99.9	065	05
NGC 1781	H III 268	NONEX	LEP	05 06.6	-17 34	99.9	99.9	315	11
NGC 1788	H V 32	BRTNB	ORI	05 06.9	-03 20	99.9	99.9	225	11
IC 2118		BRTNB	ERI	05 06.9	-07 13	99.9	99.9	270	11
NGC 1824		GALXY	DOR	05 06.9	-59 43	12.6	13.5	421	24
NGC 1847		LMCOC	DOR	05 06.9	-68 59	99.9	99.9	444	24
NGC 1842		LMCOC	DOR	05 07.1	-67 16	99.9	99.9	444	24
NGC 1844		LMCOC	DOR	05 07.2	-67 19	99.9	99.9	444	24
NGC 1848		LMCCN	MEN	05 07.3	-71 11	99.9	99.9	444	24
NGC 1846		LMCGC	DOR	05 07.6	-67 28	11.5	99.9	444	24
NGC 1799		GALXY	ERI	05 07.7	-07 58	15.0	99.9	270	11
NGC 1797		GALXY	ERI	05 07.7	-08 02	15.0	99.9	270	11
NGC 1808		GALXY	COL	05 07.7	-37 30	09.9	13.3	358	19
NGC 1794	NGC 1791	GALXY	LEP	05 07.9	-18 11	12.7	12.9	315	11
NGC 1796B		GALXY	DOR	05 07.9	-61 27	14.9	13.5	444	24
PK173- 5.1	K2-1,SS 38	PLNNB	AUR	05 08.1	+30 48	12.0	99.9	097	05
NGC 1778	H VIII 61	OPNCL	AUR	05 08.1	+37 03	07.7	99.9	097	05
King 17		OPNCL	AUR	05 08.5	+39 05	99.9	99.9	065	05
NGC 1850		LMCCN	DOR	05 08.5	-68 46	09.3	99.9	444	24
NGC 1811		GALXY	COL	05 08.7	-29 17	13.5	13.0	358	19
NGC 1812		GALXY	COL	05 08.9	-29 16	12.7	12.7	358	19
NGC 1852		LMCCN	DOR	05 09.1	-67 47	99.9	99.9	444	24
NGC 1854		LMCOC	DOR	05 09.1	-68 51	10.5	99.9	444	24
NGC 1849		LMCOC	DOR	05 09.2	-66 18	99.9	99.9	444	24
NGC 1855		NONEX	DOR	05 09.4	-68 51	99.9	99.9	444	24
NGC 1856		LMCOC	DOR	05 09.4	-69 08	10.0	99.9	444	24
NGC 1858		LMCCN	DOR	05 09.7	-68 54	99.9	99.9	444	24
NGC 1827		GALXY	COL	05 10.1	-36 58	12.5	13.1	358	19
NGC 1861		LMCOC	MEN	05 10.1	-70 46	99.9	99.9	444	24
NGC 1802	H VIII 41	NONEX	TAU	05 10.2	+24 06	99.9	99.9	135	05
NGC 1860		LMCOC	DOR	05 10.4	-68 46	99.9	99.9	444	24
NGC 1807		OPNCL	TAU	05 10.7	+16 32	07	99.9	180	11
NGC 1790		NONEX	AUR	05 11.3	+52 04	99.9	99.9	040	01
NGC 1859		LMCOC	DOR	05 11.4	-65 13	99.9	99.9	444	24
NGC 1863		LMCOC	DOR	05 11.4	-68 47	99.9	99.9	444	24
NGC 1798		OPNCL	AUR	05 11.6	+47 40	99.9	99.9	065	05
NGC 1819		GALXY	ORI	05 11.7	+05 12	12.4	13.0	225	11
NGC 1821		GALXY	LEP	05 11.7	-15 07	14.0	99.9	270	11
NGC 1817	H VII 4	OPNCL	TAU	05 12.1	+16 42	07.7	99.9	180	11
NGC 1832	H II 292	GALXY	LEP	05 12.2	-15 43	11.3	12.8	270	11
NGC 1862		LMCOC	DOR	05 12.2	-66 08	99.9	99.9	444	24
NGC 1865		LMCOC	DOR	05 12.2	-68 47	99.9	99.9	444	24
NGC 1853		UVSOB	DOR	05 12.3	-57 24	99.9	99.9	421	24
NGC 1864		LMCOC	DOR	05 12.5	-67 38	99.9	99.9	444	24

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NGC 1878		LMCOC	MEN	05 12.6	-70 28	99.9	99.9	444	24
NGC 1870		LMCOC	DOR	05 12.9	-69 08	99.9	99.9	444	24
NGC 1872		LMCCN	DOR	05 13.0	-69 20	99.9	99.9	444	24
NGC 1881		LMCCN	DOR	05 13.2	-69 21	99.9	99.9	444	24
NGC 1874		LMCCN	DOR	05 13.2	-69 23	99.9	99.9	444	24
NGC 1876		LMCCN	DOR	05 13.2	-69 23	99.9	99.9	444	24
NGC 1877		LMCCN	DOR	05 13.2	-69 23	99.9	99.9	444	24
NGC 1866		LMCOC	DOR	05 13.5	-65 28	09.9	99.9	444	24
NGC 1867		LMCOC	DOR	05 13.5	-66 17	99.9	99.9	444	24
NGC 1880		LMCCN	DOR	05 13.6	-69 23	99.9	99.9	444	24
NGC 1873		LMCCN	DOR	05 13.7	-67 20	99.9	99.9	444	24
NGC 1871		LMCCN	DOR	05 13.7	-67 28	99.9	99.9	444	24
NGC 1869		LMCCN	DOR	05 13.8	-67 23	99.9	99.9	444	24
NGC 1890		LMCOC	MEN	05 13.9	-72 04	99.9	99.9	444	24
NGC 1851	Dunlop 508	GLOCL	COL	05 14.1	-40 03	07.3	99.9	393	19
NGC 1843		GALXY	ORI	05 14.2	-10 36	13.0	99.9	270	11
NGC 1868		LMCGC	DOR	05 14.5	-63 57	99.9	99.9	444	24
Do 16		OPNCL	AUR	05 14.6	+32 43	99.9	99.9	097	05
NGC 1885		LMCOC	DOR	05 15.0	-68 58	99.9	99.9	444	24
NGC 1882		LMCOC	DOR	05 15.2	-66 07	99.9	99.9	444	24
NGC 1894		LMCOC	DOR	05 15.7	-69 27	99.9	99.9	444	24
NGC 1887		LMCOC	DOR	05 15.8	-66 18	99.9	99.9	444	24
NGC 1884		NONEX	DOR	05 15.9	-66 10	99.9	99.9	444	24
IC 405		BRTNB	AUR	05 16.2	+34 16	99.9	99.9	097	05
Abell 539		GALCL	ORI	05 16.7	+06 28	14.4	99.9	180	11
NGC 1898		LMCGC	DOR	05 16.7	-69 36	11.5	99.9	444	24
NGC 1895		LMCDN	DOR	05 16.9	-67 19	99.9	99.9	444	24
NGC 1892		GALXY	DOR	05 17.1	-64 57	12.2	13.0	444	24
Sh2-223		SNREM	AUR	05 17.2	+42 12	99.9	99.9	066	05
NGC 1903		LMCOC	DOR	05 17.2	-69 18	12.0	99.9	444	24
NGC 1897		LMCOC	DOR	05 17.4	-67 26	99.9	99.9	444	24
NGC 1916		LMCOC	DOR	05 17.5	-69 22	99.9	99.9	444	24
NGC 1914		LMCCN	MEN	05 17.6	-71 14	99.9	99.9	444	24
UGC 3273		GALXY	AUR	05 17.7	+53 33	14.3	14.7	040	01
NGC 1899		LMCDN	DOR	05 17.8	-67 53	99.9	99.9	444	24
NGC 1901		OPNCL	DOR	05 17.8	-68 26	99.9	99.9	444	24
MCG +02-14-001		GALXY	ORI	05 18.1	+13 25	12.0	99.9	180	11
NGC 1902		LMCOC	DOR	05 18.1	-66 37	99.9	99.9	444	24
NGC 1910		LMCCN	DOR	05 18.1	-69 13	99.9	99.9	444	24
vdB 37		BRTNB	ORI	05 18.2	+13 24	99.9	99.9	180	11
IC 2120	PK169-0.1	PLNNB	AUR	05 18.2	+37 36	12.0	99.9	097	05
NGC 1905		LMCOC	DOR	05 18.2	-67 15	99.9	99.9	444	24
NGC 1913		LMCOC	DOR	05 18.4	-69 33	99.9	99.9	444	24
NGC 1900		LMCOC	DOR	05 19.0	-63 02	99.9	99.9	444	24
NGC 1917		LMCGC	DOR	05 19.0	-69 00	99.9	99.9	444	24
NGC 1918		LMCCN	DOR	05 19.1	-69 39	99.9	99.9	444	24
NGC 1911		NONEX	DOR	05 19.2	-66 46	99.9	99.9	444	24
NGC 1921		LMCDN	DOR	05 19.3	-69 48	99.9	99.9	444	24
NGC 1879		GALXY	COL	05 19.6	-32 10	12.8	14.2	358	19

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NGC 1915		NONEX	DOR	05 19.6	-66 48	99.9	99.9	444	24
NGC 1922		LMCOC	DOR	05 19.7	-69 29	99.9	99.9	444	24
NGC 1956		GALXY	MEN	05 19.7	-77 45	13.1	13.5	463	24
NGC 1919		LMCCN	DOR	05 20.0	-66 55	99.9	99.9	444	24
Czernik 20		OPNCL	AUR	05 20.1	+39 28	99.9	99.9	066	05
NGC 1857	H VII 33	OPNCL	AUR	05 20.2	+39 21	07	99.9	066	05
Sh2-263		BRTNB	ORI	05 20.4	+08 24	99.9	99.9	180	11
NGC 1926		LMCOC	DOR	05 20.5	-69 30	99.9	99.9	444	24
Berk 17		OPNCL	AUR	05 20.6	+30 36	14.0	99.9	097	05
NGC 1920		LMCDN	DOR	05 20.6	-66 48	99.9	99.9	444	24
NGC 1928		LMCOC	DOR	05 20.8	-69 29	99.9	99.9	444	24
NGC 1923		LMCCN	DOR	05 21.0	-65 30	99.9	99.9	444	24
NGC 1891		NONEX	COL	05 21.3	-35 44	99.9	99.9	358	19
NGC 1938		LMCOC	MEN	05 21.4	-69 55	99.9	99.9	444	24
NGC 1939		LMCOC	MEN	05 21.4	-69 56	99.9	99.9	444	24
NGC 1929		LMCCN	DOR	05 21.5	-67 56	99.9	99.9	444	24
NGC 1886		GALXY	LEP	05 21.6	-23 51	12.8	13.0	315	19
NGC 1875		GALXY	ORI	05 21.7	+06 40	13.6	13.1	180	11
vdB 38		BRTNB	ORI	05 21.7	+08 27	99.9	99.9	180	11
NGC 1925		LMCCN	DOR	05 21.8	-65 48	99.9	99.9	444	24
NGC 1934		LMCCN	DOR	05 21.8	-67 56	99.9	99.9	444	24
NGC 1935	IC 2126	LMCCN	DOR	05 21.9	-67 58	99.9	99.9	444	24
NGC 1944		LMCOC	MEN	05 21.9	-72 30	99.9	99.9	444	24
Cr 464		OPNCL	CAM	05 22.0	+73 00	04.2	99.9	006	01
NGC 1936	IC 2127	LMCCN	DOR	05 22.1	-67 59	99.9	99.9	444	24
Berk 18		OPNCL	AUR	05 22.2	+45 24	14.0	99.9	066	05
NGC 1932		LMCOC	DOR	05 22.3	-66 10	99.9	99.9	444	24
NGC 1937		LMCCN	DOR	05 22.3	-67 55	99.9	99.9	444	24
Do 17		OPNCL	ORI	05 22.4	+07 07	99.9	99.9	180	11
Cr 62		OPNCL	AUR	05 22.5	+41 00	04.2	99.9	066	05
NGC 1933		OPNCL	DOR	05 22.5	-66 09	99.9	99.9	444	24
NGC 2012		UVSOB	MEN	05 22.5	-79 51	99.9	99.9	463	24
IC 410		BRTNB	AUR	05 22.6	+33 31	99.9	99.9	097	05
NGC 1888	H II 289	GALXY	LEP	05 22.6	-11 29	11.9	12.7	270	11
NGC 1889		GALXY	LEP	05 22.6	-11 29	14.0	99.9	270	11
NGC 1940		LMCOC	DOR	05 22.6	-67 12	99.9	99.9	444	24
NGC 1893		OPNCL	AUR	05 22.7	+33 24	07.5	99.9	097	05
NGC 1943		LMCCN	MEN	05 22.7	-70 10	12.0	99.9	444	24
King 22		OPNCL	AUR	05 22.9	+45 28	99.9	99.9	066	05
NGC 1941		LMCDN	DOR	05 23.1	-66 23	99.9	99.9	444	24
Lg Magellanic Cl	ESO 056-G115	GALXY	DOR	05 23.6	-69 45	0.4	14.1	444	24
Do 19		OPNCL	ORI	05 23.7	+08 11	99.9	99.9	180	11
DoDz 2		OPNCL	ORI	05 23.9	+11 28	99.9	99.9	180	11
Berk 19		OPNCL	AUR	05 24.1	+29 36	11.4	99.9	097	05
Do 18		OPNCL	AUR	05 24.1	+33 18	99.9	99.9	097	05
NGC 1904	M 79	GLOCL	LEP	05 24.5	-24 33	08.4	99.9	315	19
NGC 1950		LMCOC	MEN	05 24.5	-69 57	99.9	99.9	445	24
NGC 1906		GALXY	LEP	05 24.6	-15 56	14.0	99.9	270	11
NGC 1942		LMCOC	DOR	05 24.7	-63 56	99.9	99.9	445	24

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Berk 69		OPNCL	AUR	05 24.9	+32 39	99.9	99.9	097	05
NGC 1946		LMCOC	DOR	05 25.1	-66 25	99.9	99.9	445	24
NGC 1949		LMCDN	DOR	05 25.1	-68 29	99.9	99.9	445	24
NGC 1896	H VIII 4	NONEX	TAU	05 25.4	+20 10	99.9	99.9	135	05
NGC 1945		LMCDN	DOR	05 25.4	-66 21	99.9	99.9	445	24
NGC 1953		LMCGC	DOR	05 25.4	-68 48	99.9	99.9	445	24
NGC 1948		LMCCN	DOR	05 25.5	-66 15	99.9	99.9	445	24
NGC 1958		LMCOC	DOR	05 25.5	-69 50	99.9	99.9	445	24
MCG +01-14-037		GALXY	ORI	05 25.6	+06 35	12.0	99.9	180	11
Berk 70		OPNCL	AUR	05 25.7	+41 54	99.9	99.9	066	05
NGC 1908	H V 33	NONEX	ORI	05 25.8	-20 32	99.9	99.9	315	19
NGC 1959		LMCOC	MEN	05 25.8	-69 56	99.9	99.9	445	24
NGC 1883	H VII 34	OPNCL	AUR	05 25.9	+46 33	12.0	99.9	066	05
NGC 1909	H V 38	NONEX	ORI	05 25.9	-08 08	99.9	99.9	270	11
NGC 1930		GALXY	PIC	05 25.9	-46 44	12.4	13.1	393	19
NGC 1951		LMCOC	DOR	05 25.9	-66 36	10.5	99.9	445	24
Cr 65		OPNCL	ORI	05 26.0	+16 00	03	99.9	180	11
NGC 1955		LMCCN	DOR	05 26.1	-67 29	09	99.9	445	24
NGC 1947		GALXY	DOR	05 26.3	-63 47	10.6	12.7	445	24
NGC 1962		LMCCN	DOR	05 26.5	-68 47	08.5	99.9	445	24
NGC 1965		LMCCN	DOR	05 26.5	-68 47	08.5	99.9	445	24
NGC 1966		LMCCN	DOR	05 26.5	-68 47	08.5	99.9	445	24
NGC 1970		LMCCN	DOR	05 26.5	-68 47	08.5	99.9	445	24
NGC 1967		LMCOC	DOR	05 26.5	-69 04	99.9	99.9	445	24
NGC 1969		LMCOC	DOR	05 26.5	-69 49	99.9	99.9	445	24
NGC 1972		LMCOC	DOR	05 26.7	-69 49	99.9	99.9	445	24
NGC 1971		LMCOC	DOR	05 26.7	-69 51	99.9	99.9	445	24
Czernik 21		OPNCL	AUR	05 26.8	+36 00	99.9	99.9	097	05
NGC 1968		LMCCN	DOR	05 27.2	-67 26	09	99.9	445	24
NGC 1987		LMCGC	MEN	05 27.2	-70 46	12.0	99.9	445	24
Sh2-224		SNREM	AUR	05 27.3	+42 59	99.9	99.9	066	05
Do 21		OPNCL	ORI	05 27.4	+07 04	99.9	99.9	180	11
NGC 2000		LMCOC	MEN	05 27.4	-71 55	99.9	99.9	445	24
IC 418	PK215-24.1	PLNNB	LEP	05 27.5	-12 42	10.7	99.9	270	11
NGC 1983		LMCCN	DOR	05 27.5	-68 57	08.5	99.9	445	24
NGC 1984		LMCCN	DOR	05 27.5	-69 06	99.9	99.9	445	24
NGC 1986		LMCOC	MEN	05 27.5	-69 58	11.0	99.9	445	24
Stock 8		OPNCL	AUR	05 27.6	+34 25	99.9	99.9	097	05
NGC 1924	H III 447	GALXY	ORI	05 27.9	-05 19	12.5	13.1	225	11
NGC 1974		LMCCN	DOR	05 27.9	-67 24	09	99.9	445	24
NGC 1907	H VII 39	OPNCL	AUR	05 28.0	+35 19	08.2	99.9	097	05
IC 417		BRTNB	AUR	05 28.1	+34 26	99.9	99.9	097	05
NGC 1994		LMCOC	DOR	05 28.2	-69 07	99.9	99.9	445	24
Do 20		OPNCL	AUR	05 28.6	+33 47	99.9	99.9	097	05
NGC 1978		LMCGC	DOR	05 28.6	-66 14	09.9	99.9	445	24
NGC 1912	M 38	OPNCL	AUR	05 28.7	+35 50	06.4	99.9	097	05
NGC 1927		NONEX	ORI	05 28.7	-08 23	99.9	99.9	270	11
PK172+ 0.1		PLNNB	AUR	05 29.0	+36 02	99.9	99.9	097	05
NGC 1991		NONEX	DOR	05 29.0	-67 26	99.9	99.9	445	24

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NGC 2001		LMCCN	DOR	05 29.1	-68 44	99.9	99.9	445	24
B 30-2,225		DRKNB	ORI	05 29.8	+12 32	79.9	79.9	180	11
NGC 2005		LMCOC	DOR	05 30.0	-69 44	99.9	99.9	445	24
NGC 2002		LMCOC	DOR	05 30.2	-66 52	99.9	99.9	445	24
NGC 1997		LMCOC	DOR	05 30.5	-63 12	99.9	99.9	445	24
NGC 2004		LMCOC	DOR	05 30.6	-67 17	09.8	99.9	445	24
NGC 2010		LMCOC	MEN	05 30.6	-70 49	99.9	99.9	445	24
NGC 2003		LMCOC	DOR	05 30.7	-66 27	99.9	99.9	445	24
NGC 2018		SNREM	MEN	05 30.7	-71 05	99.9	99.9	445	24
NGC 2009		LMCOC	DOR	05 30.8	-69 09	99.9	99.9	445	24
NGC 2006		LMCOC	DOR	05 31.2	-66 57	99.9	99.9	445	24
NGC 1931	H I 261	CL+NB	AUR	05 31.4	+34 15	10.1	99.9	097	05
NGC 2016		LMCOC	MEN	05 31.5	-69 56	99.9	99.9	445	24
NGC 2019		LMCGC	MEN	05 31.7	-70 10	11.0	99.9	445	24
PK197-14.1	Abell 10	PLNNB	ORI	05 31.8	+06 56	12.7	99.9	180	11
NGC 2015		LMCCN	DOR	05 31.9	-69 13	99.9	99.9	445	24
NGC 2011		LMCCN	DOR	05 32.1	-67 31	09.5	99.9	445	24
NGC 1963		NONEX	COL	05 32.2	-36 23	99.9	99.9	358	19
NGC 2014		LMCCN	DOR	05 32.2	-67 40	08.5	99.9	445	24
NGC 1995	NGC 1998	2STAR	PIC	05 32.5	-48 42	99.9	99.9	393	19
NGC 1954	H III 590	GALXY	LEP	05 32.8	-14 04	11.8	14.1	270	11
NGC 1957		GALXY	LEP	05 32.9	-14 07	99.9	99.9	270	11
LDN 1641		DRKNB	ORI	05 33.0	-06 00	79.9	79.9	270	11
NGC 2020		LMCDN	DOR	05 33.1	-67 42	99.9	99.9	445	24
NGC 2025		LMCOC	MEN	05 33.1	-71 44	99.9	99.9	445	24
NGC 1964	H IV 21	GALXY	LEP	05 33.3	-21 57	10.8	13.4	315	19
NGC 1998		GALXY	PIC	05 33.3	-48 41	99.9	99.9	393	19
Berk 20		OPNCL	ORI	05 33.4	+00 13	99.9	99.9	225	11
IC 423		BRTNB	ORI	05 33.4	-00 37	99.9	99.9	225	11
NGC 2021		LMCCN	DOR	05 33.4	-67 26	99.9	99.9	445	24
DoDz 3		OPNCL	TAU	05 33.7	+26 29	99.9	99.9	135	05
NGC 2028		LMCOC	MEN	05 33.7	-69 56	99.9	99.9	445	24
NGC 2031		LMCOC	MEN	05 33.7	-70 59	99.9	99.9	445	24
NGC 1979	H III 240	GALXY	LEP	05 33.8	-23 19	11.8	13.2	315	19
NGC 2036		LMCOC	MEN	05 34.4	-70 04	99.9	99.9	445	24
NGC 1952	M 1	SNREM	TAU	05 34.5	+22 01	08.4	99.9	135	05
NGC 1989		GALXY	COL	05 34.5	-30 51	13.1	13.5	358	19
NGC 1992		GALXY	COL	05 34.5	-30 56	13.6	13.1	358	19
NGC 2033		LMCCN	DOR	05 34.5	-69 44	99.9	99.9	445	24
NGC 2038		LMCOC	MEN	05 34.5	-70 33	99.9	99.9	445	24
NGC 2037		LMCCN	DOR	05 34.7	-69 45	99.9	99.9	445	24
Sh2-264		BRTNB	ORI	05 35.0	+10 00	99.9	99.9	180	11
NGC 2007		GALXY	PIC	05 35.0	-50 56	13.9	13.8	422	24
Cr 69		OPNCL	ORI	05 35.1	+09 56	02.8	99.9	180	11
NGC 1973		BRTNB	ORI	05 35.1	-04 44	99.9	99.9	225	11
NGC 2008		GALXY	PIC	05 35.1	-50 59	13.8	13.8	422	24
NGC 2027		LMCCN	DOR	05 35.1	-66 55	99.9	99.9	445	24
NGC 1981		OPNCL	ORI	05 35.2	-04 26	04.2	99.9	225	11
NGC 1980	H V 31	CL+NB	ORI	05 35.2	-05 55	02.5	99.9	270	11

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NGC 2048		LMCCN	DOR	05 35.2	-69 39	99.9	99.9	445	24
NGC 1975		BRTNB	ORI	05 35.3	-04 41	99.9	99.9	225	11
NGC 1976	M 42	CL+NB	ORI	05 35.3	-05 23	04	99.9	225	11
NGC 2032		LMCCN	DOR	05 35.3	-67 34	99.9	99.9	445	24
NGC 2035		LMCCN	DOR	05 35.3	-67 34	99.9	99.9	445	24
NGC 2046		LMCOC	MEN	05 35.3	-70 14	99.9	99.9	445	24
NGC 1977	H V 30	CL+NB	ORI	05 35.4	-04 48	99.9	99.9	225	11
NGC 2030		LMCCN	DOR	05 35.4	-66 01	99.9	99.9	445	24
NGC 2029		LMCCN	DOR	05 35.4	-67 33	99.9	99.9	445	24
NGC 1982	M 43	BRTNB	ORI	05 35.5	-05 16	09	99.9	225	11
NGC 1993	H III 269	GALXY	LEP	05 35.5	-17 49	12.4	13.1	315	11
NGC 2047		LMCOC	MEN	05 35.6	-70 11	99.9	99.9	445	24
NGC 2034		LMCCN	DOR	05 35.7	-66 56	99.9	99.9	445	24
NGC 2042		LMCCN	DOR	05 35.8	-68 54	99.9	99.9	445	24
DoDz 4		OPNCL	TAU	05 35.9	+25 57	99.9	99.9	135	05
NGC 2044		LMCCN	DOR	05 35.9	-69 11	99.9	99.9	445	24
Cr 70		OPNCL	ORI	05 36.0	-01 00	0.4	99.9	225	11
NGC 1960	M 36	OPNCL	AUR	05 36.1	+34 08	06	99.9	097	05
NGC 2040		LMCCN	DOR	05 36.1	-67 33	99.9	99.9	445	24
NGC 2043		NONEX	MEN	05 36.2	-70 05	99.9	99.9	445	24
NGC 2051		LMCOC	MEN	05 36.2	-71 00	99.9	99.9	445	24
NGC 1990	H V 34	BRTNB	ORI	05 36.3	-01 12	99.9	99.9	226	11
NGC 2041		LMCOC	DOR	05 36.4	-66 58	10.5	99.9	445	24
NGC 1999	H IV 33	BRTNB	ORI	05 36.5	-06 43	99.9	99.9	271	11
NGC 2050		LMCCN	DOR	05 36.5	-69 22	99.9	99.9	445	24
NGC 2056		LMCOC	MEN	05 36.5	-70 40	99.9	99.9	445	24
NGC 2058		LMCOC	MEN	05 36.6	-70 08	12.0	99.9	445	24
NGC 2059		LMCOC	MEN	05 36.7	-70 06	99.9	99.9	445	24
NGC 2057		LMCOC	MEN	05 36.7	-70 15	99.9	99.9	445	24
IC 426		BRTNB	ORI	05 36.8	-00 15	99.9	99.9	226	11
NGC 2055		LMCCN	DOR	05 37.0	-69 24	99.9	99.9	445	24
PK196-12.1	Abell 11	BRTNB	ORI	05 37.3	+08 16	17.1	99.9	181	11
NGC 2053		LMCOC	DOR	05 37.3	-67 24	99.9	99.9	445	24
NGC 2052		LMCDN	DOR	05 37.3	-69 45	99.9	99.9	445	24
NGC 2065		LMCOC	MEN	05 37.3	-70 13	11.0	99.9	445	24
NGC 1988		1STAR	TAU	05 37.5	+21 14	99.9	99.9	136	05
NGC 2066		LMCOC	MEN	05 37.5	-70 10	99.9	99.9	445	24
NGC 2060		LMCCN	DOR	05 37.6	-69 10	99.9	99.9	445	24
NGC 1985	H III 865	PLNNB	AUR	05 37.7	+31 59	12.5	99.9	097	05
NGC 2072		LMCOC	MEN	05 38.1	-70 14	99.9	99.9	445	24
NGC 1996	H VIII 42	NONEX	TAU	05 38.2	+25 49	99.9	99.9	136	05
NGC 2075		LMCCN	MEN	05 38.2	-70 40	99.9	99.9	445	24
IC 430		BRTNB	ORI	05 38.5	-07 05	99.9	99.9	271	11
NGC 2069		LMCDN	DOR	05 38.5	-69 05	99.9	99.9	445	24
NGC 2070		LMCCN	DOR	05 38.6	-69 05	08.3	99.9	445	24
Stock 10		OPNCL	AUR	05 39.0	+37 56	99.9	99.9	097	05
NGC 2074		LMCCN	DOR	05 39.0	-69 30	08.5	99.9	445	24
Sh2-240	Simeis 147	BRTNB	TAU	05 39.1	+28 00	99.9	99.9	097	05
vdB 49		BRTNB	ORI	05 39.2	+04 10	99.9	99.9	226	11

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Sigma Ori 0		OPNCL	ORI	05 39.3	-01 20	99.9	99.9	226	11
Sh2-231		BRTNB	AUR	05 39.4	+35 56	99.9	99.9	097	05
NGC 2017		OPNCL	LEP	05 39.4	-17 51	99.9	99.9	316	11
NGC 2077		LMCCN	DOR	05 39.6	-69 38	99.9	99.9	445	24
NGC 2079		LMCCN	DOR	05 39.7	-69 45	99.9	99.9	445	24
NGC 2080		LMCCN	DOR	05 39.8	-69 38	99.9	99.9	445	24
NGC 2078		LMCCN	DOR	05 39.9	-69 45	99.9	99.9	445	24
NGC 2083		LMCCN	DOR	05 39.9	-69 45	99.9	99.9	445	24
NGC 2084		LMCCN	DOR	05 39.9	-69 45	99.9	99.9	445	24
NGC 2062		LMCOC	DOR	05 40.0	-66 53	99.9	99.9	445	24
NGC 2081		LMCCN	DOR	05 40.1	-69 24	99.9	99.9	445	24
NGC 2085		LMCCN	DOR	05 40.2	-69 39	99.9	99.9	445	24
IC 431		BRTNB	ORI	05 40.3	-01 27	99.9	99.9	226	11
NGC 2086		LMCCN	DOR	05 40.4	-69 39	99.9	99.9	445	24
PK193- 9.1	Haro 3-75	PLNNB	TAU	05 40.7	+12 21	99.9	99.9	181	11
NGC 2144		UVSOB	MEN	05 40.7	-82 06	99.9	99.9	463	24
NGC 2088		LMCOC	DOR	05 40.8	-69 28	99.9	99.9	445	24
IC 432		BRTNB	ORI	05 40.9	-01 29	99.9	99.9	226	11
B 33		DRKNB	ORI	05 40.9	-02 28	79.9	79.9	226	11
NGC 2091		LMCOC	DOR	05 40.9	-69 26	99.9	99.9	445	24
IC 434		BRTNB	ORI	05 41.0	-02 24	99.9	99.9	226	11
Sh2-235		BRTNB	AUR	05 41.1	+35 52	99.9	99.9	098	05
NGC 2093		LMCCN	DOR	05 41.5	-68 55	99.9	99.9	445	24
NGC 2092		LMCOC	DOR	05 41.5	-69 13	99.9	99.9	445	24
NGC 2023	H IV 24	BRTNB	ORI	05 41.6	-02 13	99.9	99.9	226	11
NGC 2103		LMCCN	MEN	05 41.6	-71 20	99.9	99.9	445	24
Berk 71		OPNCL	AUR	05 41.8	+32 23	99.9	99.9	098	05
NGC 2082		GALXY	DOR	05 41.8	-64 18	12.1	13.1	445	24
3C 147		QUASR	AUR	05 42.0	+49 40	15.0	99.9	066	05
NGC 2024	H V 28	BRTNB	ORI	05 42.0	-01 50	99.9	99.9	226	11
MCG -01-15-003		GALXY	ORI	05 42.0	-06 16	12.0	99.9	271	11
NGC 2100		LMCCN	DOR	05 42.0	-69 14	09.6	99.9	445	24
NGC 2022	H IV 34	PLNNB	ORI	05 42.1	+09 05	12.8	99.9	181	11
NGC 2094		LMCOC	DOR	05 42.1	-68 21	99.9	99.9	445	24
NGC 1961	H III 747	GALXY	CAM	05 42.2	+69 23	11.0	13.7	020	01
NGC 2096		LMCOC	DOR	05 42.2	-68 28	99.9	99.9	445	24
NGC 2102		LMCOC	DOR	05 42.2	-69 29	99.9	99.9	445	24
NGC 2098		LMCCN	DOR	05 42.5	-68 16	99.9	99.9	445	24
NGC 2095		LMCOC	DOR	05 42.7	-67 19	99.9	99.9	445	24
IC 435		BRTNB	ORI	05 43.0	-02 19	99.9	99.9	226	11
NGC 2026	H VIII 28	NONEX	TAU	05 43.1	+20 07	99.9	99.9	136	05
NGC 2107		LMCOC	MEN	05 43.2	-70 37	11.5	99.9	445	24
NGC 2049		GALXY	COL	05 43.4	-30 06	12.8	13.3	359	19
B 34		DRKNB	AUR	05 43.5	+32 39	79.9	79.9	098	05
NGC 2108		LMCGC	DOR	05 43.8	-69 12	99.9	99.9	445	24
NGC 2061		NONEX	COL	05 43.9	-33 57	99.9	99.9	359	19
NGC 2039		NONEX	ORI	05 44.1	+08 38	99.9	99.9	181	11
NGC 2097		LMCOC	DOR	05 44.1	-62 47	99.9	99.9	445	24
NGC 2105		LMCOC	DOR	05 44.2	-66 25	99.9	99.9	445	24

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NGC 2087		UVSOB	PIC	05 44.3	-55 31	99.9	99.9	422	24
NGC 2013		NONEX	AUR	05 44.4	+55 48	99.9	99.9	041	01
NGC 2109		LMCCN	DOR	05 44.4	-68 32	99.9	99.9	445	24
NGC 2111		LMCOC	MEN	05 44.7	-70 57	99.9	99.9	445	24
NGC 2045		NONEX	ORI	05 45.0	+12 53	99.9	99.9	181	11
NGC 2054		3STAR	ORI	05 45.2	-10 04	99.9	99.9	271	11
Ced 59		BRTNB	ORI	05 45.3	+09 04	99.9	99.9	181	11
B 35		DRKNB	ORI	05 45.5	+09 03	79.9	79.9	181	11
NGC 2113		LMCCN	DOR	05 45.5	-69 45	99.9	99.9	445	24
B 36		DRKNB	ORI	05 45.7	+07 31	79.9	79.9	181	11
NGC 2114		LMCOC	DOR	05 45.8	-68 03	99.9	99.9	445	24
NGC 2073	H III 241	GALXY	LEP	05 45.9	-21 59	12.4	13.1	316	19
NGC 2064		BRTNB	ORI	05 46.4	-00 01	99.9	99.9	226	11
NGC 2101		UVSOB	PIC	05 46.4	-52 04	99.9	99.9	422	24
NGC 2067		BRTNB	ORI	05 46.5	+00 07	99.9	99.9	226	11
NGC 2068	M 78	BRTNB	ORI	05 46.8	+00 04	08	99.9	226	11
NGC 2063	H VIII 2	NONEX	ORI	05 46.8	+08 48	99.9	99.9	181	11
NGC 2076	H III 267	GALXY	LEP	05 46.8	-16 46	13.0	14.0	271	11
PK184- 2.1	M1-5	PLNNB	TAU	05 46.9	+24 22	14.6	99.9	136	05
NGC 2116		LMCOC	DOR	05 46.9	-68 32	99.9	99.9	445	24
NGC 2090		GALXY	COL	05 47.0	-34 14	11.2	13.7	359	19
Abell 548		GALCL	LEP	05 47.1	-25 38	13.7	99.9	316	19
NGC 2104		UVSOB	PIC	05 47.1	-51 34	99.9	99.9	422	24
NGC 2071	H IV 36	BRTNB	ORI	05 47.2	+00 18	99.9	99.9	226	11
NGC 2118		LMCOC	DOR	05 47.2	-69 09	99.9	99.9	445	24
NGC 2117		LMCOC	DOR	05 47.3	-67 28	99.9	99.9	445	24
NGC 2089	H III 270	GALXY	LEP	05 47.8	-17 36	11.9	12.6	316	11
Sh2-276		BRTNB	ORI	05 48.0	+01 00	99.9	99.9	226	11
NGC 2121		LMCGC	MEN	05 48.0	-71 28	11.2	99.9	445	24
Basel 4		OPNCL	AUR	05 48.5	+30 13	09.1	99.9	098	05
NGC 2122		LMCCN	MEN	05 48.7	-70 04	99.9	99.9	445	24
Cr 74		OPNCL	ORI	05 49.2	+07 24	14.4	99.9	181	11
King 8		OPNCL	AUR	05 49.4	+33 38	11.2	99.9	098	05
NGC 2134		LMCOC	MEN	05 50.1	-71 07	11.0	99.9	445	24
Czernik 23		OPNCL	AUR	05 50.4	+28 56	99.9	99.9	098	05
NGC 2120		LMCGC	DOR	05 50.6	-63 41	99.9	99.9	445	24
NGC 2106		GALXY	LEP	05 50.7	-21 35	12.1	13.4	316	19
NGC 2125		LMCOC	DOR	05 50.7	-69 29	99.9	99.9	445	24
Berk 72		OPNCL	ORI	05 51.1	+22 12	99.9	99.9	136	05
NGC 2127		LMCOC	DOR	05 51.1	-69 22	99.9	99.9	445	24
NGC 2115		UVSOB	PIC	05 51.3	-50 35	99.9	99.9	422	24
NGC 2133		LMCGC	MEN	05 51.4	-71 11	99.9	99.9	445	24
Berk 21		OPNCL	ORI	05 51.7	+21 47	01.1	99.9	136	05
NGC 2123		LMCOC	DOR	05 51.7	-65 19	99.9	99.9	445	24
NGC 2130		LMCOC	DOR	05 52.1	-67 20	99.9	99.9	445	24
NGC 2110	H III 448,III 510	GALXY	ORI	05 52.2	-07 27	14.0	99.9	271	11
NGC 2099	M 37	OPNCL	AUR	05 52.4	+32 33	05.6	99.9	098	05
NGC 2136		LMCOC	DOR	05 52.8	-69 30	10.5	99.9	445	24
NGC 2135		LMCOC	DOR	05 53.1	-67 26	99.9	99.9	445	24

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NGC 2137		LMCOC	DOR	05 53.2	-69 29	99.9	99.9	445	24
NGC 2112	H VII 24	OPNCL	ORI	05 53.9	+00 24	09.1	99.9	226	11
NGC 2140		LMCOC	DOR	05 54.0	-68 36	99.9	99.9	445	24
NGC 2138		LMCOC	DOR	05 54.5	-65 50	99.9	99.9	445	24
NGC 2145		LMCOC	MEN	05 54.5	-70 55	99.9	99.9	445	24
LDN 1622		DRKNB	ORI	05 54.6	+02 00	79.9	79.9	226	11
NGC 2132		OPNCL	PIC	05 55.2	-59 55	99.9	99.9	422	24
NGC 2161		LMCGC	MEN	05 55.6	-74 21	99.9	99.9	463	24
NGC 2150		GALXY	DOR	05 55.9	-69 34	13.0	12.9	445	24
Czernik 24		OPNCL	ORI	05 56.0	+20 52	99.9	99.9	136	05
NGC 2147		LMCCN	DOR	05 56.0	-68 12	99.9	99.9	445	24
IC 2149	PK166+10.1	PLNNB	AUR	05 56.3	+46 07	10.0	99.9	066	05
NGC 2151		LMCOC	DOR	05 56.3	-69 01	99.9	99.9	445	24
NGC 2157		LMCOC	DOR	05 57.3	-69 11	10.0	99.9	445	24
NGC 2119		GALXY	ORI	05 57.4	+11 57	99.9	99.9	181	11
NGC 2153		LMCOC	DOR	05 57.5	-66 24	99.9	99.9	445	24
NGC 2154		LMCGC	DOR	05 57.5	-67 15	99.9	99.9	445	24
NGC 2156		LMCOC	DOR	05 57.6	-68 27	99.9	99.9	445	24
NGC 2124	H III 225	GALXY	LEP	05 57.9	-20 04	12.6	13.4	316	19
NGC 2159		LMCOC	DOR	05 57.9	-68 38	99.9	99.9	445	24
NGC 2160		LMCOC	DOR	05 58.0	-68 17	99.9	99.9	445	24
NGC 2173		LMCGC	MEN	05 58.1	-72 59	99.9	99.9	463	24
Basel 11B		OPNCL	ORI	05 58.2	+21 58	08.9	99.9	136	05
NGC 2155		LMCGC	DOR	05 58.4	-65 28	99.9	99.9	445	24
NGC 2171		GALXY	MEN	05 58.6	-70 41	99.9	99.9	445	24
NGC 2131		GALXY	LEP	05 58.7	-26 38	14.1	13.2	316	19
NGC 2164		LMCOC	DOR	05 58.7	-68 31	10.5	99.9	445	24
NGC 2148		GALXY	PIC	05 58.8	-59 07	13.8	13.5	422	24
Basel 11		OPNCL	ORI	05 59.1	+21 54	08.9	99.9	136	05
Berk 22		OPNCL	ORI	05 59.3	+07 50	99.9	99.9	181	11
NGC 2166		LMCOC	DOR	05 59.3	-67 56	99.9	99.9	445	24
NGC 2172		LMCOC	DOR	05 59.9	-68 38	99.9	99.9	445	24
NGC 2162		LMCGC	DOR	06 00.5	-63 45	99.9	99.9	445	24
NGC 2190		LMCGC	MEN	06 00.8	-74 43	99.9	99.9	463	24
NGC 2129	H VIII 26	OPNCL	GEM	06 01.0	+23 18	06.7	99.9	136	05
NGC 2139	H II 264	GALXY	LEP	06 01.0	-23 40	11.6	13.3	316	19
NGC 2152		UVSOB	PIC	06 01.0	-50 44	99.9	99.9	422	24
NGC 2177		LMCOC	DOR	06 01.0	-67 43	99.9	99.9	445	24
NGC 2176		LMCOC	DOR	06 01.4	-66 51	99.9	99.9	445	24
NGC 2142		NONEX	MON	06 01.9	-10 36	99.9	99.9	271	11
PK198- 6.1	Abell 12	PLNNB	ORI	06 02.4	+09 39	13.9	99.9	181	11
PK173+ 3.1		PLNNB	AUR	06 02.6	+36 08	99.9	99.9	098	05
NGC 2181		LMCOC	DOR	06 02.6	-65 15	99.9	99.9	445	24
NGC 2178		GALXY	PIC	06 02.8	-63 46	12.6	12.7	445	24
NGC 2143		NONEX	ORI	06 03.0	+05 43	99.9	99.9	181	11
NGC 2126	H VIII 68	OPNCL	AUR	06 03.0	+49 54	10.2	99.9	067	05
NGC 2141		OPNCL	ORI	06 03.1	+10 26	09.4	99.9	181	11
NGC 2149		BRTNB	MON	06 03.5	-09 44	99.9	99.9	271	11
NGC 2187		GALXY	DOR	06 03.9	-69 34	99.9	99.9	445	24

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Sh2-241		BRTNB	AUR	06 04.1	+30 15	99.9	99.9	098	05
NGC 2128		GALXY	CAM	06 04.7	+57 39	12.6	13.1	041	01
NGC 2199		GALXY	MEN	06 04.7	-73 24	12.8	13.1	463	24
NGC 2203		LMCOC	MEN	06 04.7	-75 26	99.9	99.9	463	24
PK204- 8.1	Abell 13	PLNNB	ORI	06 04.8	+03 57	15.3	99.9	226	11
IC 2157	Cr 80	OPNCL	GEM	06 05.0	+24 00	08.4	99.9	136	05
IC 2158		GALXY	COL	06 05.2	-27 51	12.0	12.7	316	19
NGC 2197		LMCOC	DOR	06 05.9	-67 05	99.9	99.9	445	24
NGC 2193		LMCGC	DOR	06 06.2	-65 05	99.9	99.9	445	24
NGC 2167	H IV 44	NONEX	MON	06 06.9	-06 12	99.9	99.9	271	11
NGC 2158	H VI 17	OPNCL	GEM	06 07.5	+24 06	08.6	99.9	136	05
NGC 2170	H IV 19	BRTNB	MON	06 07.6	-06 23	99.9	99.9	271	11
NGC 2163		NONEX	LEP	06 07.8	+18 40	99.9	99.9	136	11
NGC 2179		GALXY	LEP	06 08.0	-21 44	12.3	12.9	316	19
NGC 2169	H VIII 24	OPNCL	ORI	06 08.4	+13 57	05.9	99.9	182	11
NGC 2191		UVSOB	CAR	06 08.4	-52 30	99.9	99.9	422	24
Sh2-247		BRTNB	GEM	06 08.5	+21 37	99.9	99.9	137	05
NGC 2209		LMCGC	MEN	06 08.7	-73 51	99.9	99.9	463	24
Sh2-261		BRTNB	ORI	06 08.9	+15 49	99.9	99.9	182	11
NGC 2168	M 35	OPNCL	GEM	06 08.9	+24 20	05.1	99.9	137	05
Ced 62		BRTNB	ORI	06 09.2	+18 41	99.9	99.9	137	11
NGC 2182	H IV 38	BRTNB	MON	06 09.5	-06 19	99.9	99.9	272	11
NGC 2180	H VIII 6	NONEX	ORI	06 09.6	+04 43	99.9	99.9	227	11
NGC 2174		BRTNB	ORI	06 09.7	+20 31	99.9	99.9	137	05
NGC 2175		CL+NB	ORI	06 09.8	+20 19	06.8	99.9	137	05
NGC 2188		GALXY	COL	06 10.1	-34 05	11.7	13.2	359	19
NGC 2205		GALXY	PIC	06 10.6	-62 33	12.7	12.8	445	24
NGC 2213		LMCGC	MEN	06 10.7	-71 33	99.9	99.9	445	24
NGC 2183		BRTNB	MON	06 10.8	-06 12	99.9	99.9	272	11
NGC 2175S		OPNCL	ORI	06 10.9	+20 36	06.8	99.9	137	05
NGC 2184		OPNCL	ORI	06 10.9	-03 31	99.9	99.9	227	11
NGC 2165		NONEX	AUR	06 11.1	+51 41	99.9	99.9	041	01
NGC 2185	H IV 20	BRTNB	MON	06 11.1	-06 12	99.9	99.9	272	11
PK197- 3.1	Abell 14	PLNNB	ORI	06 11.2	+11 46	14.0	99.9	182	11
NGC 2210		LMCGC	DOR	06 11.5	-69 08	10.2	99.9	445	24
NGC 2186	H VII 25	OPNCL	ORI	06 12.2	+05 27	08.7	99.9	227	11
NGC 2196	H II 265	GALXY	LEP	06 12.2	-21 47	11.0	12.8	317	19
NGC 2189		NONEX	ORI	06 12.3	+01 08	99.9	99.9	227	11
NGC 2214		LMCOC	DOR	06 12.8	-68 16	11.0	99.9	445	24
IC 2162	Sh2-256	BRTNB	ORI	06 12.9	+17 59	99.9	99.9	137	11
Czernik 25		OPNCL	ORI	06 13.2	+06 59	99.9	99.9	182	11
NGC 2200		GALXY	PUP	06 13.4	-43 39	14.1	13.9	394	19
NGC 2201		GALXY	PUP	06 13.5	-43 41	13.4	13.6	394	19
NGC 2194	H VI 5	OPNCL	ORI	06 13.8	+12 48	08.5	99.9	182	11
NGC 2198		NONEX	ORI	06 13.9	+01 00	99.9	99.9	227	11
NGC 2195		BRTNB	ORI	06 14.4	+17 44	99.9	99.9	137	11
PK197- 2.1	Sh2-271	PLNNB	ORI	06 15.2	+12 22	99.9	99.9	182	11
NGC 2192	H VII 57	OPNCL	AUR	06 15.2	+39 51	10.9	99.9	067	05
NGC 2204	H VII 13	OPNCL	CMA	06 15.7	-18 39	08.6	99.9	317	11

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PK196- 1.1	Sh2-267	BRTNB	ORI	06 15.8	+14 16	99.9	99.9	182	11
NGC 2206		GALXY	CMA	06 16.0	-26 47	12.2	13.3	317	19
NGC 2207		GALXY	CMA	06 16.5	-21 22	10.8	13.4	317	19
NGC 2202		NONEX	ORI	06 16.9	+05 59	99.9	99.9	182	11
IC 443		SNREM	GEM	06 16.9	+22 47	99.9	99.9	137	05
Cr 89		OPNCL	GEM	06 18.0	+23 38	05.7	99.9	137	05
NGC 2146A		GALXY	CAM	06 18.4	+78 33	12.9	14.1	006	01
NGC 2211		GALXY	CMA	06 18.4	-18 34	12.7	12.5	317	11
NGC 2212		GALXY	CMA	06 18.5	-18 33	13.4	13.5	317	11
NGC 2146	3C120	GALXY	CAM	06 18.7	+78 21	10.6	13.7	006	01
PK195- 0.1	Sh2-266	BRTNB	ORI	06 18.9	+15 17	99.9	99.9	182	11
NGC 2222		UVSOB	PIC	06 20.3	-57 31	99.9	99.9	422	24
NGC 2221		UVSOB	PIC	06 20.3	-57 34	99.9	99.9	422	24
IC 444		BRTNB	GEM	06 20.4	+23 16	99.9	99.9	137	05
NGC 2231		LMCGC	DOR	06 20.4	-67 32	99.9	99.9	445	24
NGC 2215	H VII 20	OPNCL	MON	06 21.0	-07 17	08.4	99.9	272	11
NGC 2228		GALXY	DOR	06 21.2	-64 27	13.6	12.7	445	24
NGC 2229		GALXY	DOR	06 21.3	-64 58	13.4	12.5	445	24
NGC 2230		GALXY	DOR	06 21.4	-65 00	13.1	13.1	445	24
NGC 2216		GALXY	CMA	06 21.6	-22 05	12.8	13.1	317	19
Cr 91		OPNCL	MON	06 21.7	+02 22	06.4	99.9	227	11
NGC 2217		GALXY	CMA	06 21.7	-27 16	10.7	13.8	317	19
NGC 2233		GALXY	DOR	06 21.7	-65 03	13.8	11.9	445	24
IC 2165	PK221-12.1	PLNNB	CMA	06 21.8	-12 59	12.5	99.9	272	11
NGC 2220		ASTER	PUP	06 21.8	-44 46	99.9	99.9	394	19
Berk 73		OPNCL	MON	06 22.3	-05 42	99.9	99.9	272	11
NGC 2235		GALXY	DOR	06 22.3	-64 57	13.0	13.2	445	24
NGC 2208		GALXY	AUR	06 22.5	+51 55	12.8	13.3	041	01
NGC 2241		LMCOC	DOR	06 22.7	-68 57	99.9	99.9	445	24
Cr 92		OPNCL	MON	06 22.9	+05 07	08.5	99.9	227	11
Do 22		OPNCL	MON	06 23.3	+04 39	99.9	99.9	227	11
NGC 2219		NONEX	MON	06 23.4	-04 41	99.9	99.9	227	11
NGC 2223		GALXY	CMA	06 24.5	-22 51	11.6	13.8	317	19
NGC 2218		NONEX	GEM	06 24.7	+19 20	99.9	99.9	137	11
Bochum 1		OPNCL	GEM	06 25.5	+19 46	07.9	99.9	137	11
NGC 2249		LMCGC	DOR	06 25.9	-68 48	99.9	99.9	445	24
PK194+ 2.1	J 900	PLNNB	GEM	06 26.0	+17 47	12.4	99.9	137	11
NGC 2227		GALXY	CMA	06 26.0	-21 59	12.5	13.3	317	19
NGC 2232	H VIII 25	OPNCL	MON	06 26.6	-04 45	03.9	99.9	227	11
NGC 2225	H VII 26	OPNCL	MON	06 26.6	-09 39	99.9	99.9	272	11
NGC 2226		OPNCL	MON	06 26.6	-09 39	99.9	99.9	272	11
IC 2166	UGC 3463	GALXY	LYN	06 27.0	+59 05	12.4	14.3	041	01
PK233-16.1	Abell 15	PLNNB	CMA	06 27.0	-25 23	16.3	99.9	317	19
NGC 2224	H VII 35	NONEX	GEM	06 27.6	+12 38	99.9	99.9	182	11
NGC 2234	H VIII 9	NONEX	GEM	06 29.3	+16 41	99.9	99.9	182	11
NGC 2236	H VII 5	OPNCL	MON	06 29.7	+06 50	08.5	99.9	182	11
NGC 2243		OPNCL	CMA	06 29.8	-31 17	09.4	99.9	360	19
Cr 96		OPNCL	MON	06 30.3	+02 52	07.3	99.9	227	11
NGC 2237		CL+NB	MON	06 30.3	+05 03	05.5	99.9	227	11

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NGC 2257		LMCGC	DOR	06 30.4	-64 19	13.5	99.9	445	24
NGC 2238		BRTNB	MON	06 30.5	+05 03	99.9	99.9	227	11
Cr 95		OPNCL	MON	06 30.5	+09 56	99.9	99.9	182	11
UGC 3475		GALXY	AUR	06 30.5	+39 29	14.2	99.9	067	05
NGC 2239		OPNCL	MON	06 31.0	+04 57	99.9	99.9	227	11
IC 446		BRTNB	MON	06 31.0	+10 27	99.9	99.9	182	11
IC 2169	IC 447	BRTNB	MON	06 31.2	+09 54	99.9	99.9	182	11
Czernik 26		OPNCL	MON	06 31.2	-03 51	99.9	99.9	227	11
vdB 80		OPNCL	MON	06 31.2	-08 24	99.9	99.9	272	11
Cr 97		OPNCL	MON	06 31.3	+05 55	05.4	99.9	182	11
NGC 2244	H VII 2	CL+NB	MON	06 32.4	+04 52	04.8	99.9	227	11
NGC 2246		BRTNB	MON	06 32.4	+05 07	99.9	99.9	227	11
IC 448		BRTNB	MON	06 32.7	+07 19	99.9	99.9	182	11
NGC 2245	H IV 3	BRTNB	MON	06 32.7	+10 10	99.9	99.9	182	11
B 37-9		DRKNB	MON	06 32.8	+10 38	79.9	79.9	182	11
NGC 2250		OPNCL	MON	06 32.8	-05 02	08.9	99.9	227	11
NGC 2240	H VIII 49	NONEX	AUR	06 32.9	+35 12	99.9	99.9	099	05
NGC 2247		BRTNB	MON	06 33.1	+10 21	99.9	99.9	182	11
Berk 23		OPNCL	GEM	06 33.9	+20 33	99.9	99.9	137	05
NGC 2242		PLNNB	AUR	06 34.0	+44 46	14.5	99.9	067	05
NGC 2255		GALXY	COL	06 34.0	-34 47	13.4	13.4	360	19
NGC 2248		NONEX	GEM	06 34.6	+26 19	99.9	99.9	137	05
Basel 8		OPNCL	MON	06 34.7	+08 05	99.9	99.9	182	11
NGC 2251	H VIII 3	OPNCL	MON	06 34.7	+08 22	07.3	99.9	182	11
NGC 2252	H VIII 50	OPNCL	MON	06 35.0	+05 23	07.7	99.9	227	11
PK211- 3.1		PLNNB	MON	06 35.8	+00 05	99.9	99.9	227	11
NGC 2254	H VII 22	OPNCL	MON	06 36.0	+07 40	09.1	99.9	182	11
Ru 1		OPNCL	CMA	06 36.4	-14 11	99.9	99.9	272	11
Cr 104		OPNCL	MON	06 36.5	+04 49	09.6	99.9	227	11
Basel 7		OPNCL	MON	06 36.6	+08 21	08.5	99.9	182	11
Tr 5	Cr 105	OPNCL	MON	06 36.7	+09 26	10.9	99.9	182	11
Cr 106		OPNCL	MON	06 37.1	+05 57	04.6	99.9	182	11
PK189+ 7.1	M1-7	PLNNB	GEM	06 37.4	+24 01	13.0	99.9	137	05
vdB 1	OCL 527	OPNCL	MON	06 37.5	+03 04	09.5	99.9	227	11
Cr 107		OPNCL	MON	06 37.7	+04 44	05.1	99.9	227	11
Sh2-282		BRTNB	MON	06 38.0	+01 31	99.9	99.9	227	11
NGC 2260	H VIII 48	NONEX	MON	06 38.1	-01 28	99.9	99.9	227	11
NGC 2273A		GALXY	LYN	06 38.2	+60 06	99.9	99.9	042	01
Berk 24		OPNCL	MON	06 38.3	+00 55	99.9	99.9	227	11
NGC 2262	H VII 37	OPNCL	MON	06 38.4	+01 11	11.3	99.9	227	11
Cr 110		OPNCL	MON	06 38.4	+02 01	10.5	99.9	227	11
NGC 2263		GALXY	CMA	06 38.4	-24 49	12.1	13.4	317	19
NGC 2259	H VI 28	OPNCL	MON	06 38.6	+10 53	10.8	99.9	182	11
Cr 111		OPNCL	MON	06 38.7	+06 54	07	99.9	182	11
NGC 2261	H IV 2	BRTNB	MON	06 39.2	+08 44	99.9	99.9	182	11
UGC 3504	MCG +10-10-009	GALXY	LYN	06 40.1	+60 04	12.3	14.1	042	01
vdB 83		OPNCL	CMA	06 40.6	-26 47	99.9	99.9	318	19
NGC 2267		GALXY	CMA	06 40.8	-32 29	12.2	12.9	360	19
Ru 2		OPNCL	CMA	06 41.0	-29 33	99.9	99.9	360	19

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NGC 2264	H V 27=H VIII 5	CL+NB	MON	06 41.1	+09 53	03.9	99.9	183	11
NGC 2265		NONEX	GEM	06 41.5	+11 56	99.9	99.9	183	11
Berk 25		OPNCL	CMA	06 41.7	-15 35	99.9	99.9	273	11
Ru 3		OPNCL	CMA	06 42.1	-29 27	99.9	99.9	360	19
NGC 2253	H VII 54	OPNCL	CAM	06 42.4	+66 20	99.9	99.9	021	01
NGC 2272		GALXY	CMA	06 42.7	-27 27	11.7	13.1	318	19
NGC 2271		GALXY	CMA	06 42.8	-23 28	12.2	13.2	318	19
Do 23		OPNCL	MON	06 43.2	+00 00	99.9	99.9	228	11
NGC 2266	H VI 21	OPNCL	GEM	06 43.2	+26 58	09.5	99.9	138	05
NGC 2270	H VII 36	NONEX	MON	06 43.9	+03 26	99.9	99.9	228	11
NGC 2269	H VI 3	OPNCL	MON	06 43.9	+04 34	10.0	99.9	228	11
PK153+22.1	Abell 16	PLNNB	LYN	06 43.9	+61 47	15.9	99.9	021	01
Do 24		OPNCL	MON	06 44.2	+01 36	99.9	99.9	228	11
NGC 2297		UVSOB	PIC	06 44.4	-63 43	99.9	99.9	446	24
NGC 2280		GALXY	CMA	06 44.8	-27 38	10.3	13.4	318	19
Do 25		OPNCL	MON	06 45.1	+00 18	07.6	99.9	228	11
NGC 2283	H III 271	GALXY	CMA	06 45.9	-18 14	12.2	14.6	318	11
NGC 2273B		GALXY	LYN	06 46.4	+60 20	12.5	13.9	042	01
Cr 115		OPNCL	MON	06 46.5	+01 46	09.1	99.9	228	11
NGC 2282		BRTNB	MON	06 46.9	+01 19	99.9	99.9	228	11
NGC 2287	M 41	OPNCL	CMA	06 47.0	-20 44	04.5	99.9	318	19
NGC 2274	H II 615	GALXY	GEM	06 47.2	+33 34	12.1	13.2	099	05
NGC 2275	H II 614	GALXY	GEM	06 47.2	+33 36	13.1	13.1	099	05
NGC 2256		GALXY	CAM	06 47.2	+74 13	12.5	14.0	006	01
NGC 2295		GALXY	CMA	06 47.3	-26 44	12.7	12.8	318	19
vdB 85		OPNCL	MON	06 47.6	+01 20	99.9	99.9	228	11
NGC 2286	H VIII 31	OPNCL	MON	06 47.6	-03 10	07.5	99.9	228	11
NGC 2292		GALXY	CMA	06 47.6	-26 45	10.8	13.6	318	19
NGC 2293		GALXY	CMA	06 47.7	-26 45	11.2	13.9	318	19
NGC 2277		NONEX	GEM	06 47.8	+33 26	99.9	99.9	099	05
NGC 2258		GALXY	CAM	06 47.8	+74 29	11.9	13.1	006	01
NGC 2278		NONEX	GEM	06 48.3	+33 24	99.9	99.9	099	05
NGC 2279		NONEX	GEM	06 48.4	+33 24	99.9	99.9	099	05
PK221- 4.1	Abell 17	PLNNB	MON	06 48.6	-09 32	14.8	99.9	273	11
NGC 2296	IC 452	GALXY	CMA	06 48.6	-16 55	13.0	99.9	273	11
NGC 2305		UVSOB	VOL	06 48.7	-64 17	99.9	99.9	446	24
NGC 2307		UVSOB	VOL	06 48.7	-64 20	99.9	99.9	446	24
Bochum 2		OPNCL	MON	06 48.9	+00 23	09.7	99.9	228	11
NGC 2298		GLOCL	PUP	06 49.0	-36 00	09.4	99.9	360	19
NGC 2284		NONEX	GEM	06 49.1	+33 13	99.9	99.9	099	05
NGC 2281	H VIII 71	OPNCL	AUR	06 49.3	+41 04	05.4	99.9	068	05
NGC 2285		NONEX	GEM	06 49.4	+33 21	99.9	99.9	099	05
Ru 4		OPNCL	MON	06 49.6	-09 34	99.9	99.9	273	11
Berk 75		OPNCL	CMA	06 50.1	-22 09	99.9	99.9	318	19
NGC 2273		GALXY	LYN	06 50.2	+60 50	11.7	13.8	042	01
NGC 2288		GALXY	GEM	06 50.7	+33 26	14.4	10.3	099	05
NGC 2289	H III 898	GALXY	GEM	06 50.7	+33 27	13.2	12.7	099	05
NGC 2290	H III 897?	GALXY	GEM	06 50.9	+33 26	13.2	13.0	099	05
NGC 2291	H III 897?	GALXY	GEM	06 50.9	+33 31	13.2	13.1	099	05

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Biur 12		OPNCL	MON	06 51.0	+05 46	99.9	99.9	183	11
NGC 2294		GALXY	GEM	06 51.1	+33 31	13.8	13.8	099	05
NGC 2299		NONEX	MON	06 51.1	-07 00	99.9	99.9	273	11
NGC 2301	H VI 27	OPNCL	MON	06 51.8	+00 28	06	99.9	228	11
NGC 2302	H VIII 39	OPNCL	MON	06 51.9	-07 04	08.9	99.9	273	11
Biur 11		OPNCL	MON	06 52.0	+05 46	99.9	99.9	183	11
Biur 10	Berk 28	OPNCL	MON	06 52.2	+02 56	10.4	99.9	228	11
PK204+ 4.1	K2-2	PLNNB	MON	06 52.6	+09 58	15.0	99.9	183	11
Ru 149		OPNCL	CMA	06 53.0	-22 30	99.9	99.9	318	19
UGC 3574	MCG +10-10-017	GALXY	LYN	06 53.1	+57 11	12.6	15.3	042	01
PK210+ 1.1	M1-8	PLNNB	MON	06 53.5	+03 12	14.5	99.9	228	11
UGC 3587		GALXY	GEM	06 53.8	+19 18	12.8	13.4	138	11
NGC 2310		GALXY	PUP	06 54.0	-40 52	11.8	13.0	395	19
Berk 29		OPNCL	GEM	06 54.1	+16 55	99.9	99.9	183	11
Cr 121		OPNCL	CMA	06 54.2	-24 38	02.6	99.9	318	19
NGC 2306	H VIII 51	NONEX	MON	06 54.6	-07 11	99.9	99.9	273	11
NGC 2304	H VI 2	OPNCL	GEM	06 55.0	+18 01	10.0	99.9	138	11
UGC 3580		GALXY	CAM	06 55.5	+69 35	11.8	13.6	021	01
UGC 3522		GALXY	CEP	06 55.9	+84 55	14.2	14.3	001	01
NGC 2303		GALXY	AUR	06 56.2	+45 30	12.6	13.5	068	05
PK216- 0.1	Abell 18	PLNNB	MON	06 56.2	-02 53	17.5	99.9	228	11
NGC 2309	H VI 18	OPNCL	MON	06 56.2	-07 12	10.5	99.9	273	11
Ru 5		OPNCL	CMA	06 56.3	-17 24	99.9	99.9	318	11
UGC 3598		GALXY	LYN	06 56.5	+60 39	14.4	15.3	042	01
Ru 6		OPNCL	CMA	06 56.9	-12 51	99.9	99.9	273	11
NGC 2311	H VIII 60	OPNCL	MON	06 57.8	-04 35	09.6	99.9	228	11
NGC 2313		BRTNB	MON	06 58.0	-07 57	99.9	99.9	273	11
Biur 8	Berk 32	OPNCL	MON	06 58.1	+06 26	99.9	99.9	183	11
Biur 7		OPNCL	MON	06 58.5	+08 16	99.9	99.9	183	11
Biur 9		OPNCL	MON	06 58.6	+03 13	99.9	99.9	228	11
NGC 2308		GALXY	LYN	06 58.6	+45 13	13.2	13.9	068	05
Ru 7		OPNCL	CMA	06 58.6	-12 55	99.9	99.9	273	11
NGC 2312		NONEX	MON	06 58.8	+10 16	99.9	99.9	183	11
NGC 2317		NONEX	MON	06 58.8	-07 46	99.9	99.9	273	11
NGC 2318	H VII 14	ASTER	CMA	06 59.5	-13 42	99.9	99.9	273	11
NGC 2316	H II 304	BRTNB	MON	06 59.7	-07 44	99.9	99.9	273	11
PK200+ 8.1	Abell 19	PLNNB	GEM	06 59.9	+14 37	17.0	99.9	183	11
IC 456	ESO 427-G024	GALXY	CMA	07 00.3	-30 10	11.9	12.9	361	19
NGC 2319	H VIII 1	NONEX	MON	07 01.1	+03 04	99.9	99.9	228	12
Biur 13		OPNCL	MON	07 01.3	+00 07	99.9	99.9	228	12
Tombaugh 1	OCL 603	OPNCL	CMA	07 01.3	-19 40	10.5	99.9	318	12
NGC 2315	UGC 3633	GALXY	LYN	07 02.5	+50 36	13.6	12.6	042	01
NGC 2328		GALXY	PUP	07 02.5	-42 03	12.8	13.4	395	19
Ru 8		OPNCL	CMA	07 02.7	-12 33	99.9	99.9	273	12
PK226- 3.1		PLNNB	CMA	07 02.7	-13 44	99.9	99.9	273	12
NGC 2325		GALXY	CMA	07 02.7	-28 42	11.4	13.4	361	19
PK242-11.1	M3-1	PLNNB	CMA	07 02.8	-31 35	12.2	99.9	361	19
Czernik 27		OPNCL	MON	07 03.1	+06 25	99.9	99.9	183	12
NGC 2348		UVSOB	VOL	07 03.1	-67 23	99.9	99.9	446	24

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NGC 2323	M 50	OPNCL	MON	07 03.2	-08 20	05.9	99.9	273	12
Bochum 3		OPNCL	MON	07 03.4	-05 04	09.9	99.9	228	12
PK223- 2.1	K1-8	BRTNB	MON	07 03.4	-10 34	13.1	99.9	273	12
Tombaugh 2	OCL 605	OPNCL	CMA	07 03.4	-19 17	99.9	99.9	318	12
vdB 92		OPNCL	MON	07 03.9	-10 37	99.9	99.9	273	12
Haffner 3		OPNCL	MON	07 04.0	-06 01	99.9	99.9	273	12
NGC 2324	H VII 38	OPNCL	MON	07 04.2	+01 03	08.4	99.9	228	12
Gum 1	RCW 2	BRTNB	MON	07 04.3	-10 28	99.9	99.9	273	12
NGC 2327	H IV 25	BRTNB	CMA	07 04.3	-11 18	99.9	99.9	273	12
Auner 1		OPNCL	CMA	07 04.3	-18 25	99.9	99.9	318	12
UGC 3647		GALXY	LYN	07 04.9	+56 32	14.1	14.3	042	01
IC 2177	Gum2,Sh2-296,RCW	BRTNB	MON	07 05.1	-10 42	99.9	99.9	273	12
Ced 90	Gum 3,RCW 1	BRTNB	CMA	07 05.2	-12 20	99.9	99.9	273	12
PK212+ 4.1	M1-9	PLNNB	MON	07 05.3	+02 47	13.5	99.9	228	12
NGC 2320	H II 861	GALXY	LYN	07 05.6	+50 36	11.9	12.1	042	01
NGC 2322	H III 874	GALXY	LYN	07 05.9	+50 31	13.8	12.8	042	01
NGC 2321		GALXY	LYN	07 05.9	+50 46	13.6	13.9	042	01
Ru 150		OPNCL	CMA	07 05.9	-27 43	99.9	99.9	318	19
Haffner 4		OPNCL	CMA	07 06.2	-13 11	99.9	99.9	273	12
Ru 10		OPNCL	CMA	07 06.4	-20 03	99.9	99.9	318	19
Berk 76		OPNCL	MON	07 06.5	-10 33	99.9	99.9	273	12
NGC 2335	H VIII 32	OPNCL	MON	07 06.6	-10 05	07.2	99.9	273	12
PK234- 6.1	K2-3	PLNNB	CMA	07 06.9	-22 02	14.5	99.9	318	19
NGC 2331	H VIII 40	OPNCL	GEM	07 07.2	+27 21	08.5	99.9	138	05
Cr 465		OPNCL	MON	07 07.2	-10 37	10.1	99.9	273	12
Ru 12		OPNCL	CMA	07 07.2	-27 57	99.9	99.9	318	19
Cr 466		OPNCL	MON	07 07.3	-10 49	11.1	99.9	273	12
Ru 11		OPNCL	CMA	07 07.4	-20 48	99.9	99.9	318	19
NGC 2338		ASTER	MON	07 07.7	-05 37	99.9	99.9	273	12
Ru 13		OPNCL	CMA	07 07.9	-24 18	99.9	99.9	318	19
UGC 3691		GALXY	GEM	07 08.0	+15 10	11.9	12.7	183	12
NGC 2339	H II 769	GALXY	GEM	07 08.3	+18 48	11.8	13.5	138	12
NGC 2343	H VIII 33	OPNCL	MON	07 08.3	-10 39	06.7	99.9	273	12
NGC 2345		OPNCL	CMA	07 08.3	-13 10	07.7	99.9	273	12
NGC 2333	H III 899	GALXY	GEM	07 08.4	+35 11	13.3	12.7	100	05
NGC 2326	H II 734	GALXY	LYN	07 08.4	+50 44	13.1	14.3	042	01
NGC 2326A		GALXY	LYN	07 08.5	+50 39	14.8	14.1	042	01
IC 466		BRTNB	MON	07 08.6	-04 19	99.9	99.9	228	12
UGC 3685		GALXY	LYN	07 09.0	+61 36	12.0	14.3	021	01
Abell 569		GALCL	LYN	07 09.2	+48 38	13.8	99.9	068	05
NGC 2329	H II 735= III 875	GALXY	LYN	07 09.2	+48 38	12.4	12.7	068	05
NGC 2341		GALXY	GEM	07 09.3	+20 36	13.2	12.6	138	05
NGC 2342		GALXY	GEM	07 09.4	+20 39	12.6	13.0	138	05
NGC 2346	H IV 65	PLNNB	MON	07 09.4	-00 48	12.5	99.9	228	12
Haffner 23		OPNCL	CMA	07 09.4	-16 57	99.9	99.9	273	12
NGC 2332	H II 862	GALXY	LYN	07 09.5	+50 11	12.8	13.2	042	01
NGC 2330		GALXY	LYN	07 09.5	+50 12	14.0	99.9	042	01
NGC 2337		GALXY	LYN	07 09.6	+44 28	12.4	13.7	068	05
Sh2-301	Gum 5,RCW 6	BRTNB	CMA	07 09.8	-18 29	99.9	99.9	318	12

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NGC 2334		NONEX	LYN	07 09.9	+50 12	99.9	99.9	042	01
NGC 2349	H VII 27	NONEX	MON	07 10.0	-08 37	99.9	99.9	273	12
NGC 2314		GALXY	CAM	07 10.5	+75 20	12.2	13.2	007	01
Berk 35		OPNCL	CMI	07 10.9	+02 44	99.9	99.9	228	12
NGC 2340	H II 736	GALXY	LYN	07 11.0	+50 10	11.7	12.6	042	01
PK232- 4.1	M1-11	PLNNB	CMA	07 11.3	-19 51	15.5	99.9	318	12
UGC 3697		GALXY	CAM	07 11.4	+71 50	12.9	12.2	021	01
PK229- 2.1		PLNNB	CMA	07 12.5	-16 08	99.9	99.9	274	12
NGC 2344		GALXY	LYN	07 12.6	+47 09	12.0	13.0	068	05
NGC 2350		GALXY	CMI	07 13.2	+12 15	12.3	12.1	184	12
NGC 2351		OPNCL	CMA	07 13.5	-10 29	99.9	99.9	274	12
NGC 2352	H VII 15	NONEX	CMA	07 13.6	-24 06	99.9	99.9	319	19
NGC 2268		GALXY	CAM	07 14.0	+84 22	11.5	13.4	007	01
UGC 3730		GALXY	CAM	07 14.3	+73 29	12.5	13.9	007	01
NGC 2354	H VII 16	OPNCL	CMA	07 14.3	-25 44	06.5	99.9	319	19
Cr 132		OPNCL	CMA	07 14.4	-31 10	03.6	99.9	361	19
NGC 2353	H VIII 34	OPNCL	MON	07 14.6	-10 18	07.1	99.9	274	12
PK240- 7.1	M3-2	PLNNB	CMA	07 14.8	-27 50	14.7	99.9	319	19
Ru 14		OPNCL	CMA	07 15.2	-30 49	99.9	99.9	361	19
IC 2179	UGC 3750	GALXY	CAM	07 15.5	+64 53	12.4	12.6	021	01
NGC 2347	H III 746	GALXY	CAM	07 16.1	+64 43	12.4	13.2	021	01
Berk 36		OPNCL	CMA	07 16.3	-13 04	99.9	99.9	274	12
PK241- 7.1	MCG 05-18-002	GALXY	CMA	07 16.5	-29 19	99.9	99.9	361	19
Sh2-294		BRTNB	MON	07 16.6	-09 26	99.9	99.9	274	12
NGC 2369		GALXY	CAR	07 16.6	-62 21	12.3	13.6	446	24
NGC 2358	H VIII 45	NONEX	CMA	07 16.8	-17 03	99.9	99.9	319	12
NGC 2355	H VI 6	OPNCL	GEM	07 16.9	+13 47	09.7	99.9	184	12
Cr 135		OPNCL	PUP	07 17.0	-36 50	02.1	99.9	361	19
NGC 2356	H VII 6	NONEX	GEM	07 17.1	+13 58	99.9	99.9	184	12
Basel 11A		OPNCL	CMA	07 17.1	-13 58	08.2	99.9	274	12
Basel 11		OPNCL	CMA	07 17.3	-12 12	08.2	99.9	274	12
IC 468		BRTNB	CMA	07 17.5	-13 05	99.9	99.9	274	12
NGC 2357	UGC 3782	GALXY	GEM	07 17.6	+23 21	13.3	13.7	139	05
NGC 2359	H V 21	BRTNB	CMA	07 17.8	-13 13	99.9	99.9	274	12
NGC 2360	H VII 12	OPNCL	CMA	07 17.8	-15 37	07.2	99.9	274	12
NGC 2361		2STAR	CMA	07 18.4	-13 13	99.9	99.9	274	12
Haffner 5		OPNCL	CMA	07 18.4	-21 31	99.9	99.9	319	19
NGC 2362	H VII 17	OPNCL	CMA	07 18.8	-24 57	04.1	99.9	319	19
NGC 2369A		GALXY	CAR	07 18.8	-62 55	12.9	13.6	446	24
Be 135		DRKNB	PUP	07 19.0	-44 35	79.9	79.9	395	19
PK235- 3.1	M1-12	PLNNB	CMA	07 19.4	-21 38	99.9	99.9	319	19
vdB 96		BRTNB	CMA	07 19.6	-23 58	99.9	99.9	319	19
Ru 15		OPNCL	CMA	07 20.0	-18 32	99.9	99.9	319	12
NGC 2381		UVSOB	CAR	07 20.0	-63 05	99.9	99.9	446	24
Haffner 6		OPNCL	CMA	07 20.1	-13 08	09.2	99.9	274	12
NGC 2367	H VIII 28	OPNCL	CMA	07 20.1	-21 56	07.9	99.9	319	19
NGC 2369B		GALXY	CAR	07 20.4	-62 03	13.4	14.1	446	24
Berk 37		OPNCL	MON	07 20.7	-01 06	99.9	99.9	229	12
NGC 2364		OPNCL	MON	07 20.8	-07 34	99.9	99.9	274	12

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NGC 2368		OPNCL	MON	07 21.0	-10 23	11.8	99.9	274	12
UGC 3808		GALXY	GEM	07 21.1	+25 09	14.0	14.3	139	05
PK232- 1.1	M1-13	PLNNB	CMA	07 21.2	-18 08	12.6	99.9	319	12
NGC 2397A		GALXY	VOL	07 21.2	-68 51	14.1	14.1	446	24
NGC 2397		GALXY	VOL	07 21.3	-69 00	11.8	12.8	446	24
Abell 576		GALCL	LYN	07 21.4	+55 44	14.4	99.9	042	01
Berk 77		OPNCL	MON	07 21.9	-02 52	99.9	99.9	229	12
King 23		OPNCL	CMI	07 22.2	+00 47	99.9	99.9	229	12
NGC 2365	UGC 3821	GALXY	GEM	07 22.5	+22 04	12.4	13.4	139	05
PK214+ 7.1	Abell 20	PLNNB	CMI	07 23.0	+01 46	14.2	99.9	229	12
VY CMA		BRTNB	CMA	07 23.0	-25 48	99.9	99.9	319	19
Ru 16		OPNCL	CMA	07 23.2	-19 27	99.9	99.9	319	12
Haffner 8		OPNCL	CMA	07 23.4	-12 20	09.1	99.9	274	12
Haffner 7		OPNCL	CMA	07 23.5	-28 42	99.9	99.9	361	19
Ru 17		OPNCL	CMA	07 23.9	-22 59	99.9	99.9	319	19
NGC 2380		GALXY	CMA	07 23.9	-27 31	11.2	12.6	319	19
NGC 2382		NONEX	CMA	07 23.9	-27 32	99.9	99.9	319	19
Cr 140		OPNCL	CMA	07 23.9	-32 12	03.5	99.9	361	19
NGC 2374	H VIII 35	OPNCL	CMA	07 24.0	-13 16	08	99.9	274	12
UGC 3826		GALXY	CAM	07 24.5	+61 42	13.5	15.9	021	01
Berk 78		OPNCL	CMI	07 24.8	+05 20	99.9	99.9	229	12
NGC 2383		OPNCL	CMA	07 24.8	-20 56	08.4	99.9	319	19
Ru 18		OPNCL	CMA	07 24.8	-26 13	09.4	99.9	319	19
Haffner 9		OPNCL	CMA	07 24.9	-15 12	99.9	99.9	274	12
NGC 2370		GALXY	GEM	07 25.0	+23 47	13.6	12.5	139	05
NGC 2377		GALXY	MON	07 25.0	-09 39	12.7	13.4	274	12
NGC 2384		OPNCL	CMA	07 25.1	-21 02	07.4	99.9	319	19
NGC 2371	H II 316	PLNNB	GEM	07 25.6	+29 29	13.0	99.9	100	05
NGC 2372	H II 317	PLNNB	GEM	07 25.6	+29 29	13.0	99.9	100	05
Ru 19		OPNCL	CMA	07 26.0	-20 41	99.9	99.9	319	19
Tr 6	Cr 145	OPNCL	CMA	07 26.1	-24 18	10.0	99.9	319	19
Mel 66	Cr 147	OPNCL	PUP	07 26.3	-47 44	07.8	99.9	395	19
NGC 2373		GALXY	GEM	07 26.5	+33 48	13.7	12.2	100	05
NGC 2376		GALXY	GEM	07 26.6	+23 04	14.5	99.9	139	05
PK221+ 5.1	M3-3	PLNNB	MON	07 26.6	-05 22	14.8	99.9	229	12
Ru 20		OPNCL	CMA	07 26.7	-28 53	09.5	99.9	361	19
NGC 2395	H VIII 11	OPNCL	GEM	07 27.1	+13 35	08	99.9	184	12
NGC 2375		GALXY	GEM	07 27.1	+33 49	13.6	13.8	100	05
NGC 2379		GALXY	GEM	07 27.1	+33 50	13.5	12.8	100	05
NGC 2336	UGC 3809	GALXY	CAM	07 27.1	+80 11	10.4	13.9	007	01
Ru 21		OPNCL	PUP	07 27.1	-31 11	99.9	99.9	361	19
NGC 2276	UGC 3740	GALXY	CEP	07 27.3	+85 45	11.4	13.5	001	01
Tr 7	Cr 146	OPNCL	PUP	07 27.3	-24 02	07.9	99.9	319	19
NGC 2378		2STAR	GEM	07 27.4	+33 50	99.9	99.9	100	05
NGC 2396	H VIII 36	OPNCL	PUP	07 28.1	-11 44	07.4	99.9	274	12
Czernik 29		OPNCL	PUP	07 28.3	-15 24	10.3	99.9	274	12
NGC 2385	H III 703	GALXY	GEM	07 28.4	+33 50	15.0	99.9	100	05
NGC 2394	H VIII 44	NONEX	CMI	07 28.6	+07 02	99.9	99.9	184	12
NGC 2386		3STAR	GEM	07 28.6	+33 46	99.9	99.9	100	05

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Haffner 10		OPNCL	PUP	07 28.6	-15 23	11.5	99.9	274	12
NGC 2363		NONEX	CAM	07 28.7	+69 04	99.9	99.9	021	01
NGC 2388	H III 900	GALXY	GEM	07 28.8	+33 49	13.7	12.9	100	05
NGC 2366	H III 748	GALXY	CAM	07 28.9	+69 13	11.1	14.6	021	01
PK248- 8.1	M4-2	PLNNB	PUP	07 28.9	-35 45	13.0	99.9	361	19
PK205+14.1	Abell 21	PLNNB	GEM	07 29.0	+13 15	14.1	99.9	184	12
NGC 2390		1STAR	GEM	07 29.0	+33 50	99.9	99.9	100	05
NGC 2389	H III 901	GALXY	GEM	07 29.0	+33 52	12.9	13.9	100	05
NGC 2387	H II 820	GALXY	AUR	07 29.0	+36 52	15.5	99.9	100	05
NGC 2392	H IV 45	PLNNB	GEM	07 29.2	+20 55	08.6	99.9	139	05
NGC 2391		NONEX	GEM	07 29.2	+33 49	99.9	99.9	100	05
NGC 2401	H VII 65	OPNCL	PUP	07 29.4	-13 58	12.6	99.9	274	12
Ru 22		OPNCL	PUP	07 29.6	-28 59	99.9	99.9	361	19
Mayer 3		OPNCL	PUP	07 29.8	-17 41	99.9	99.9	319	12
NGC 2399		3STAR	MON	07 29.9	-00 21	99.9	99.9	229	12
NGC 2393		GALXY	GEM	07 30.0	+34 01	14.0	13.8	100	05
IC 467	UGC 3834	GALXY	CAM	07 30.0	+79 52	12.6	14.0	007	01
NGC 2400		3STAR	MON	07 30.0	-00 21	99.9	99.9	229	12
PK235- 1.1		PLNNB	CMA	07 30.0	-20 13	99.9	99.9	319	19
Do 26		OPNCL	CMI	07 30.1	+11 54	99.9	99.9	184	12
NGC 2417		GALXY	CAR	07 30.1	-62 15	12.0	13.7	446	24
NGC 2398		GALXY	GEM	07 30.3	+24 29	15.5	99.9	139	05
NGC 2402	H III 19	GALXY	CMI	07 30.8	+09 39	15.5	99.9	184	12
Bochum 5		OPNCL	PUP	07 30.9	-17 04	07	99.9	319	12
Ru 23		OPNCL	PUP	07 30.9	-22 53	99.9	99.9	319	19
Bochum 4		OPNCL	PUP	07 31.0	-16 57	07.3	99.9	274	12
Czernik 31		OPNCL	PUP	07 31.3	-19 44	99.9	99.9	319	12
Sh2-302	Gum 6,RCW 7	BRTNB	PUP	07 31.6	-16 58	99.9	99.9	274	12
NGC 2409		NONEX	PUP	07 31.6	-17 11	99.9	99.9	319	12
Czernik 30		OPNCL	MON	07 31.7	-08 14	99.9	99.9	274	12
PK234- 0.1	M1-15	PLNNB	PUP	07 31.8	-19 27	14.0	99.9	319	12
NGC 2406		GALXY	GEM	07 31.9	+18 18	15.0	99.9	139	12
Ru 24		OPNCL	PUP	07 31.9	-12 45	99.9	99.9	274	12
NGC 2407		GALXY	GEM	07 32.0	+18 21	13.4	13.4	139	12
Bochum 6		OPNCL	PUP	07 32.0	-19 26	09.9	99.9	319	12
NGC 2405		GALXY	GEM	07 32.2	+25 55	14.5	99.9	139	05
NGC 2300		GALXY	CEP	07 32.4	+85 43	11.0	12.8	001	01
vdB 97		BRTNB	PUP	07 32.6	-16 54	99.9	99.9	274	12
NGC 2413	H VIII 52	NONEX	PUP	07 33.3	-13 06	99.9	99.9	274	12
NGC 2414	H VIII 37	OPNCL	PUP	07 33.3	-15 27	07.9	99.9	274	12
Ru 40		OPNCL	PUP	07 33.9	-19 43	99.9	99.9	319	12
UGC 3912		GALXY	CMI	07 34.2	+04 32	12.8	13.4	229	12
NGC 2412		NONEX	CMI	07 34.4	+08 33	99.9	99.9	184	12
NGC 2411	UGC 3914	GALXY	GEM	07 34.6	+18 17	14.5	99.9	139	12
NGC 2434		GALXY	VOL	07 34.9	-69 16	11.3	13.1	446	24
NGC 2410		GALXY	GEM	07 35.0	+32 50	13.0	13.4	100	05
Sh2-307	Gum 7,RCW 12	BRTNB	PUP	07 35.5	-18 46	99.9	99.9	319	12
NGC 2416	UGC 3925	GALXY	CMI	07 35.7	+11 37	13.4	12.9	184	12
Haffner 11		OPNCL	PUP	07 36.0	-26 30	99.9	99.9	319	19

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PK215+11.1	Abell 22	PLNNB	CMI	07 36.1	+02 42	15.4	99.9	229	12
NGC 2421	H VII 67	OPNCL	PUP	07 36.3	-20 37	08.3	99.9	319	19
NGC 2442		GALXY	VOL	07 36.3	-69 31	10.4	13.9	446	24
NGC 2443		NONEX	VOL	07 36.3	-69 32	99.9	99.9	446	24
vdB 98		BRTNB	PUP	07 36.4	-25 20	99.9	99.9	319	19
NGC 2418		GALXY	GEM	07 36.5	+17 54	12.2	13.4	139	12
NGC 2427		GALXY	PUP	07 36.5	-47 36	11.5	14.0	396	19
NGC 2422	M 47	OPNCL	PUP	07 36.6	-14 30	04.4	99.9	274	12
NGC 2403	H V 44	GALXY	CAM	07 36.8	+65 37	08.5	14.4	021	01
NGC 2415	H II 821	GALXY	LYN	07 36.9	+35 15	12.4	12.0	100	05
NGC 2404		NONEX	CAM	07 37.1	+65 42	99.9	99.9	021	01
NGC 2423	H VII 28	OPNCL	PUP	07 37.1	-13 52	06.7	99.9	274	12
Ru 25		OPNCL	PUP	07 37.1	-22 52	99.9	99.9	319	19
PK226+ 5.1	M1-16	PLNNB	MON	07 37.3	-09 39	13.9	99.9	274	12
Mel 71	Cr 155	OPNCL	PUP	07 37.5	-12 04	07.1	99.9	274	12
Ru 27		OPNCL	PUP	07 37.5	-26 36	99.9	99.9	319	19
Ru 26		OPNCL	PUP	07 37.7	-14 35	99.9	99.9	274	12
UGC 3946		GALXY	CMI	07 38.0	+03 18	13.1	12.9	229	12
NGC 2419	H I 218	GLOCL	LYN	07 38.1	+38 53	10.4	99.9	100	05
NGC 2425	H VIII 87	OPNCL	PUP	07 38.3	-14 52	99.9	99.9	274	12
Mel 72	Cr 156	OPNCL	MON	07 38.4	-10 41	10.1	99.9	274	12
vdB-Ha 4		OPNCL	PUP	07 38.4	-34 12	99.9	99.9	361	19
NGC 2420	H VI 1	OPNCL	GEM	07 38.5	+21 34	08.3	99.9	139	05
NGC 2428	H VIII 47	NONEX	PUP	07 39.2	-16 31	99.9	99.9	274	12
NGC 2430	H VIII 46	NONEX	PUP	07 39.4	-16 21	99.9	99.9	274	12
Cr 467		OPNCL	MON	07 39.9	-09 41	11.8	99.9	274	12
Ru 28		OPNCL	PUP	07 40.1	-29 18	99.9	99.9	362	19
Bochum 15		OPNCL	PUP	07 40.1	-33 33	06.3	99.9	362	19
UGC 3964		GALXY	MON	07 40.3	-01 35	13.1	13.6	229	12
PK228+ 5.1	M1-17	PLNNB	PUP	07 40.4	-11 33	99.9	99.9	274	12
NGC 2408		OPNCL	CAM	07 40.5	+71 40	99.9	99.9	021	01
Haffner 13		OPNCL	PUP	07 40.5	-30 07	99.9	99.9	362	19
NGC 2424		GALXY	LYN	07 40.7	+39 14	12.6	13.3	069	05
NGC 2439		OPNCL	PUP	07 40.8	-31 39	06.9	99.9	362	19
NGC 2432	H VI 36	OPNCL	PUP	07 40.9	-19 05	10.2	99.9	319	12
Ru 151		OPNCL	PUP	07 41.3	-16 15	99.9	99.9	274	12
MCG +11-10-017		GALXY	CAM	07 41.7	+64 42	12.0	99.9	021	01
Ru 29		OPNCL	PUP	07 41.7	-23 54	99.9	99.9	319	19
NGC 2438	H IV 39	PLNNB	PUP	07 41.8	-14 44	11.0	99.9	274	12
NGC 2437	M 46	OPNCL	PUP	07 41.8	-14 49	06.1	99.9	274	12
UGC 3974		GALXY	GEM	07 41.9	+16 48	13.1	15.4	184	12
NGC 2440	H IV 64	PLNNB	PUP	07 41.9	-18 13	11.5	99.9	319	12
PK231+ 4.1	M1-18	PLNNB	PUP	07 42.1	-14 21	14.4	99.9	274	12
Ru 30		OPNCL	PUP	07 42.2	-31 28	99.9	99.9	362	19
UGC 3973		GALXY	LYN	07 42.5	+49 49	13.3	13.6	069	05
Ru 31		OPNCL	PUP	07 42.7	-35 35	99.9	99.9	362	19
NGC 2433		GALXY	CMI	07 43.0	+09 19	99.9	99.9	184	12
NGC 2426	H II 822	GALXY	LYN	07 43.2	+52 49	13.1	13.3	043	01
PK249- 5.1	Abell 23	PLNNB	PUP	07 43.3	-34 45	13.1	99.9	362	19

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NGC 2429B		GALXY	LYN	07 43.7	+52 19	15.0	99.9	043	01
NGC 2429A	UGC 3983	GALXY	LYN	07 43.7	+52 21	14.0	99.9	043	01
NGC 2435	H II 616	GALXY	GEM	07 44.2	+31 38	12.8	12.8	101	05
NGC 2447	M 93	OPNCL	PUP	07 44.6	-23 52	06.2	99.9	320	19
NGC 2448		NONEX	PUP	07 44.6	-24 41	99.9	99.9	320	19
UGC 3975		GALXY	CAM	07 44.8	+72 48	13.6	14.1	007	01
Ru 32		OPNCL	PUP	07 45.0	-25 31	08.4	99.9	320	19
NGC 2466		GALXY	VOL	07 45.2	-71 24	13.0	13.6	446	24
NGC 2431	H III 829	GALXY	LYN	07 45.3	+53 04	13.4	13.0	043	01
Haffner 15		OPNCL	PUP	07 45.3	-32 47	09.4	99.9	362	19
NGC 2451		OPNCL	PUP	07 45.4	-37 58	02.8	99.9	362	19
Haffner 14		OPNCL	PUP	07 45.5	-27 52	99.9	99.9	320	19
Ru 34		OPNCL	PUP	07 45.9	-20 23	09.5	99.9	320	19
NGC 2436		1STAR	LYN	07 46.1	+52 04	99.9	99.9	043	01
Ru 33		OPNCL	PUP	07 46.5	-20 18	99.9	99.9	320	19
Berk 39		OPNCL	MON	07 46.7	-04 36	99.9	99.9	230	19
NGC 2445	UGC 4017	GALXY	LYN	07 46.9	+39 00	13.3	13.6	069	05
NGC 2444	UGC 4016	GALXY	LYN	07 46.9	+39 01	13.2	13.0	069	05
Ru 35		OPNCL	PUP	07 46.9	-30 59	99.9	99.9	362	19
NGC 2449		GALXY	GEM	07 47.3	+26 55	13.4	13.1	140	05
NGC 2452	PK243-1.1	PLNNB	PUP	07 47.4	-27 30	12.6	99.9	320	19
PK264-12.1		PLNNB	CAR	07 47.4	-51 16	99.9	99.9	424	24
NGC 2450		GALXY	GEM	07 47.5	+27 00	15.5	99.9	140	05
UGC 4013		GALXY	CAM	07 47.5	+60 56	12.6	12.8	043	01
ESO 311-G012		GALXY	PUP	07 47.6	-41 27	11.8	12.1	396	19
NGC 2453		OPNCL	PUP	07 47.8	-27 14	08.3	99.9	320	19
Ru 36		OPNCL	PUP	07 48.5	-26 18	09.6	99.9	320	19
NGC 2446	UGC 4027	GALXY	LYN	07 48.7	+54 36	12.9	13.5	043	01
NGC 2455		OPNCL	PUP	07 49.0	-21 18	10.2	99.9	320	19
Haffner 25		OPNCL	PUP	07 49.4	-24 22	99.9	99.9	320	19
PK236+ 3.1	K1-12	PLNNB	PUP	07 50.2	-19 18	15.4	99.9	320	12
Haffner 16		OPNCL	PUP	07 50.3	-25 27	10.0	99.9	320	19
NGC 2454		GALXY	GEM	07 50.5	+16 22	14.5	99.9	185	12
Ru 37		OPNCL	PUP	07 50.6	-16 58	99.9	99.9	275	12
Czernik 32		OPNCL	PUP	07 51.2	-28 26	99.9	99.9	362	19
Ru 38		OPNCL	PUP	07 51.4	-20 04	99.9	99.9	320	19
PK217+14.1	Abell 24	PLNNB	CMI	07 51.7	+03 00	13.6	99.9	230	12
NGC 2441	UGC 4036	GALXY	CAM	07 51.9	+73 01	12.2	13.4	007	01
NGC 2459	H III 479	NONEX	CMI	07 52.3	+09 33	99.9	99.9	185	12
NGC 2477		OPNCL	PUP	07 52.3	-38 33	05.8	99.9	362	19
NGC 2467	H IV 22	CL+NB	PUP	07 52.5	-26 23	07.1	99.9	320	19
Haffner 17		OPNCL	PUP	07 52.6	-30 25	99.9	99.9	362	19
Haffner 19		OPNCL	PUP	07 52.7	-26 15	09.4	99.9	320	19
Ru 39		OPNCL	PUP	07 53.0	-21 48	99.9	99.9	320	19
Haffner 18		OPNCL	PUP	07 53.3	-25 54	09.3	99.9	320	19
NGC 2456		GALXY	LYN	07 54.1	+55 29	13.1	13.0	043	01
NGC 2470		GALXY	CMI	07 54.3	+04 27	12.7	12.7	230	12
NGC 2457		GALXY	LYN	07 54.7	+55 32	15.5	99.9	043	01
NGC 2478	NGC 2422	NONEX	PUP	07 54.7	-15 25	99.9	99.9	275	12

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Ru 41		OPNCL	PUP	07 54.7	-25 17	99.9	99.9	320	19
NGC 2482	H VII 10	OPNCL	PUP	07 54.9	-24 18	07.3	99.9	320	19
NGC 2479	H VII 58	OPNCL	PUP	07 55.1	-17 43	09.6	99.9	320	12
PK241+ 2.1	M3-4	PLNNB	PUP	07 55.2	-23 38	14.0	99.9	320	19
Tr 9	Cr 168,Harvard 2	OPNCL	PUP	07 55.3	-25 56	08.7	99.9	320	19
NGC 2458		GALXY	LYN	07 55.4	+56 43	99.9	99.9	043	01
Ru 152		OPNCL	PUP	07 55.4	-38 00	99.9	99.9	362	19
NGC 2483		OPNCL	PUP	07 55.9	-27 56	07.6	99.9	320	19
NGC 2502		UVSOB	CAR	07 55.9	-52 17	99.9	99.9	424	24
NGC 2461		GALXY	LYN	07 56.0	+56 41	15.5	99.9	043	01
IC 2209	UGC 4093	GALXY	CAM	07 56.2	+60 18	13.7	13.5	043	01
NGC 2336A	UGC 4066	GALXY	CAM	07 56.2	+78 00	14.0	99.9	007	01
NGC 2489	H VII 23	OPNCL	PUP	07 56.2	-30 04	07.9	99.9	362	19
Haffner 20		OPNCL	PUP	07 56.3	-30 24	11.0	99.9	362	19
NGC 2485	UGC 4112	GALXY	CMI	07 56.7	+07 29	12.2	13.0	185	12
NGC 2476		GALXY	LYN	07 56.7	+39 56	12.6	12.8	069	05
NGC 2462		GALXY	LYN	07 56.7	+56 39	14.0	99.9	043	01
NGC 2460		GALXY	CAM	07 56.9	+60 21	11.8	13.3	043	01
UGC 4115		GALXY	CNC	07 57.0	+14 23	14.3	99.9	185	12
NGC 2463		GALXY	LYN	07 57.1	+56 40	14.1	12.1	043	01
NGC 2480		GALXY	GEM	07 57.2	+23 47	13.7	13.4	140	05
NGC 2481	H II 302	GALXY	GEM	07 57.3	+23 46	12.9	12.4	140	05
NGC 2464		NONEX	LYN	07 57.3	+56 40	99.9	99.9	043	01
NGC 2465		NONEX	LYN	07 57.7	+56 45	99.9	99.9	043	01
PK164+31.1		PLNNB	LYN	07 57.8	+53 25	14.0	99.9	043	01
NGC 2486	UGC 4123	GALXY	GEM	07 57.9	+25 09	13.3	13.6	140	05
NGC 2474	H III 830	GALXY	LYN	07 57.9	+52 52	13.5	99.9	043	01
NGC 2475	PK164+31.1	GALXY	LYN	07 58.0	+52 52	13.1	12.5	043	01
NGC 2468	UGC 4110	GALXY	LYN	07 58.0	+56 22	15.0	99.9	043	01
NGC 2469	H III 836	GALXY	LYN	07 58.0	+56 41	12.7	12.4	043	01
NGC 2487		GALXY	GEM	07 58.3	+25 08	12.5	14.2	140	05
NGC 2471		1STAR	LYN	07 58.3	+56 45	99.9	99.9	043	01
NGC 2516		OPNCL	CAR	07 58.3	-60 52	03.8	99.9	424	24
NGC 2491		GALXY	CMI	07 58.4	+07 59	15.5	99.9	185	12
NGC 2473		NONEX	LYN	07 58.4	+56 41	99.9	99.9	043	01
NGC 2484		GALXY	LYN	07 58.5	+37 47	13.1	12.6	101	05
Ru 42		OPNCL	PUP	07 58.5	-24 23	99.9	99.9	320	19
NGC 2496	UGC 4127	GALXY	CMI	07 58.6	+08 02	12.9	13.5	185	12
NGC 2472		GALXY	LYN	07 58.6	+56 42	15.5	99.9	043	01
NGC 2501		GALXY	PUP	07 58.6	-14 22	14.0	99.9	275	12
Ru 43		OPNCL	PUP	07 58.7	-28 55	99.9	99.9	362	19
NGC 2499		GALXY	CMI	07 58.8	+07 30	15.0	99.9	185	12
Ru 44		OPNCL	PUP	07 59.0	-28 35	07.2	99.9	362	19
NGC 2490		GALXY	GEM	07 59.2	+27 05	15.5	99.9	140	05
NGC 2494	IC 487	GALXY	MON	07 59.2	-00 38	13.1	12.4	230	12
NGC 2492		GALXY	GEM	07 59.4	+27 02	12.7	12.6	140	05
NGC 2498	UGC 4142	GALXY	GEM	07 59.6	+24 58	13.4	13.1	140	05
Ru 45		OPNCL	PUP	07 59.6	-16 18	99.9	99.9	275	12
NGC 2504		GALXY	CMI	07 59.8	+05 37	13.9	11.9	185	12

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NGC 2506	H VI 37	OPNCL	MON	08 00.2	-10 47	07.6	99.9	275	12
NGC 2493	H III 750	GALXY	LYN	08 00.4	+39 50	12.0	13.3	069	06
NGC 2495		GALXY	LYN	08 00.5	+39 51	15.2	12.4	069	06
NGC 2503		GALXY	CNC	08 00.6	+22 24	13.7	13.6	140	06
NGC 2509	H VIII 1	OPNCL	PUP	08 00.7	-19 04	09.3	99.9	320	12
Ru 153		OPNCL	PUP	08 01.1	-30 01	99.9	99.9	362	20
Haffner 21		OPNCL	PUP	08 01.2	-27 10	10.3	99.9	320	20
NGC 2507	H II 554	GALXY	CNC	08 01.6	+15 43	12.2	13.7	185	12
Ru 154		OPNCL	PUP	08 01.7	-43 52	99.9	99.9	396	20
NGC 2488	H III 837	GALXY	LYN	08 01.8	+56 34	12.4	12.4	043	01
NGC 2500	H III 709	GALXY	LYN	08 01.9	+50 45	11.6	13.7	043	01
NGC 2508	H III 7	GALXY	CMI	08 02.0	+08 34	12.7	13.2	185	12
Ru 46		OPNCL	PUP	08 02.1	-19 28	09.1	99.9	320	12
NGC 2510		GALXY	CMI	08 02.2	+09 29	13.4	12.9	185	12
NGC 2511		GALXY	CMI	08 02.3	+09 24	14.1	12.6	185	12
NGC 2497	H III 838	GALXY	LYN	08 02.3	+56 57	13.1	13.6	043	01
Ru 47		OPNCL	PUP	08 02.3	-31 06	09.6	99.9	362	20
NGC 2513	H III 512	GALXY	CNC	08 02.5	+09 25	11.6	13.4	185	12
PK245+ 1.1	M3-5	PLNNB	PUP	08 02.5	-27 42	14.2	99.9	320	20
NGC 2520	NGC 2527	NONEX	PUP	08 02.5	-28 11	99.9	99.9	362	20
NGC 2514		GALXY	CNC	08 02.8	+15 49	13.4	13.8	185	12
NGC 2517		GALXY	PUP	08 02.8	-12 19	11.8	12.1	275	12
Ru 48		OPNCL	PUP	08 02.9	-30 15	99.9	99.9	362	20
NGC 2512	H III 605	GALXY	CNC	08 03.1	+23 24	13.1	13.2	140	06
Ru 49		OPNCL	PUP	08 03.1	-26 47	09.6	99.9	320	20
NGC 2515		NONEX	CNC	08 03.4	+20 12	99.9	99.9	140	06
Ru 50		OPNCL	PUP	08 03.4	-29 23	99.9	99.9	362	20
Ru 51		OPNCL	PUP	08 03.6	-29 38	99.9	99.9	362	20
NGC 2505	H III 839	GALXY	LYN	08 04.0	+53 34	13.2	12.6	043	01
Cr 173		OPNCL	PUP	08 04.0	-46 00	0.6	99.9	396	20
NGC 2523A		GALXY	CAM	08 04.2	+74 03	13.8	13.3	007	01
Ru 155		OPNCL	PUP	08 05.0	-30 29	99.9	99.9	362	20
Ru 52		OPNCL	PUP	08 05.1	-30 19	99.9	99.9	362	20
NGC 2527	H VIII 30	OPNCL	PUP	08 05.3	-28 10	06.5	99.9	362	20
IC 492		GALXY	CNC	08 05.7	+26 10	99.9	99.9	140	06
NGC 2525	H III 877	GALXY	PUP	08 05.7	-11 25	11.6	13.3	275	12
NGC 2522		GALXY	CNC	08 06.1	+17 43	13.8	12.4	140	12
UGC 4173		GALXY	CAM	08 06.7	+80 07	14.8	14.8	007	01
PK224+15.1	Abell 25	PLNNB	MON	08 06.7	-02 52	15.4	99.9	230	12
NGC 2526		GALXY	CNC	08 06.9	+08 01	13.7	12.6	185	12
NGC 2533		OPNCL	PUP	08 07.0	-29 54	07.6	99.9	362	20
vdB-Ha 19		OPNCL	PUP	08 07.1	-31 55	99.9	99.9	362	20
NGC 2518	UGC 4221	GALXY	LYN	08 07.3	+51 09	13.0	13.1	043	01
NGC 2519		NONEX	LYN	08 07.3	+51 09	99.9	99.9	043	01
NGC 2528		GALXY	LYN	08 07.4	+39 13	12.6	13.4	069	06
NGC 2529		GALXY	CNC	08 07.8	+17 50	14.5	99.9	140	12
NGC 2530	H III 752	GALXY	CNC	08 07.9	+17 49	13.6	13.8	140	12
NGC 2531		NONEX	CNC	08 07.9	+17 50	99.9	99.9	140	12
NGC 2524		GALXY	LYN	08 08.1	+39 10	12.7	12.9	069	06

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NGC 2521	UGC 4235	GALXY	LYN	08 08.8	+57 47	12.8	12.6	043	01
PK250+ 0.1		PLNNB	PUP	08 09.0	-32 40	18.1	99.9	362	20
NGC 2532	H II 726	GALXY	LYN	08 10.2	+33 58	12.4	13.8	101	06
NGC 2539	H VII 11	OPNCL	PUP	08 10.7	-12 50	06.5	99.9	275	12
NGC 2547		OPNCL	VEL	08 10.7	-49 16	04.7	99.9	396	20
Ru 53		OPNCL	PUP	08 10.8	-27 01	99.9	99.9	320	20
NGC 2535	UGC 4264	GALXY	CNC	08 11.2	+25 13	12.8	13.8	140	06
UGC 4260		GALXY	LYN	08 11.2	+46 28	13.5	14.3	069	06
NGC 2536		GALXY	CNC	08 11.3	+25 11	14.1	13.4	140	06
NGC 2542		NONEX	PUP	08 11.3	-12 56	99.9	99.9	275	12
NGC 2538		GALXY	CMI	08 11.4	+03 37	12.6	13.1	230	12
Ru 54		OPNCL	PUP	08 11.4	-30 21	99.9	99.9	362	20
UGC 4238	MCG +13-06-018	GALXY	CAM	08 11.5	+76 26	12.7	13.9	007	01
PK264- 8.1	He2-7	PLNNB	VEL	08 11.5	-48 43	12.4	99.9	396	20
Ru 55		OPNCL	PUP	08 12.3	-32 36	07.8	99.9	362	20
NGC 2546		OPNCL	PUP	08 12.4	-37 38	06.3	99.9	362	20
Ru 56		OPNCL	PUP	08 12.6	-40 28	99.9	99.9	396	20
Haffner 22		OPNCL	PUP	08 12.7	-26 25	99.9	99.9	320	20
NGC 2540		GALXY	CNC	08 12.8	+26 21	13.5	13.5	140	06
NGC 2543	H II 719	GALXY	LYN	08 12.9	+36 14	11.9	13.0	101	06
NGC 2534	H III 840	GALXY	LYN	08 12.9	+55 40	12.9	13.5	043	01
NGC 2523B		GALXY	CAM	08 13.0	+73 34	13.9	13.4	007	01
NGC 2537	H IV 55	GALXY	LYN	08 13.3	+45 59	11.7	12.6	069	06
NGC 2537A		GALXY	LYN	08 13.7	+45 59	15.4	14.3	069	06
NGC 2548	M 48	OPNCL	HYA	08 13.8	-05 48	05.8	99.9	275	12
IC 2233	UGC 4278	GALXY	LYN	08 14.0	+45 44	12.6	13.3	069	06
NGC 2545	H II 627	GALXY	CNC	08 14.2	+21 21	12.4	13.1	140	06
vdB-Ha 23		OPNCL	PUP	08 14.4	-36 24	99.9	99.9	362	20
NGC 2541	H III 710	GALXY	LYN	08 14.7	+49 04	11.8	14.9	069	06
Ru 58		OPNCL	PUP	08 14.9	-30 21	99.9	99.9	362	20
Ru 57		OPNCL	PUP	08 15.0	-25 19	99.9	99.9	320	20
NGC 2523	UGC 4271	GALXY	CAM	08 15.1	+73 34	11.9	13.6	007	01
Haffner 26		OPNCL	PUP	08 15.6	-29 28	99.9	99.9	362	20
NGC 2559		GALXY	PUP	08 17.1	-27 29	10.9	12.8	321	20
NGC 2553		GALXY	CNC	08 17.7	+20 54	13.8	13.1	141	06
NGC 2523C	UGC 4290	GALXY	CAM	08 17.7	+73 18	12.9	13.1	007	01
Pismis 1		OPNCL	PUP	08 17.8	-37 05	10.7	99.9	362	20
NGC 2554	H II 303	GALXY	CNC	08 17.9	+23 27	12.0	14.0	141	06
NGC 2555	H III 256	GALXY	HYA	08 18.0	+00 44	12.2	13.1	231	12
NGC 2568		OPNCL	PUP	08 18.0	-37 06	99.9	99.9	362	20
NGC 2567	H VII 64	OPNCL	PUP	08 18.3	-30 38	07.4	99.9	362	20
Pismis 2		OPNCL	PUP	08 18.3	-40 41	99.9	99.9	396	20
NGC 2564		GALXY	PUP	08 18.6	-21 49	99.9	99.9	321	20
IC 2311	ESO 495-G002	GALXY	PUP	08 18.8	-25 22	11.5	13.0	321	20
NGC 2549	UGC 4313	GALXY	LYN	08 18.9	+57 48	11.2	12.8	043	01
UGC 4305	Holmberg II	GALXY	UMA	08 18.9	+70 43	11.1	14.8	022	01
NGC 2566		GALXY	PUP	08 18.9	-25 29	11.0	13.1	321	20
NGC 2571	H VI 39	OPNCL	PUP	08 18.9	-29 44	07	99.9	362	20
Ru 59		OPNCL	PUP	08 19.1	-34 27	09	99.9	362	20

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NGC 2556		GALXY	CNC	08 19.2	+20 55	14.4	99.9	141	06
NGC 2557	UGC 4330	GALXY	CNC	08 19.3	+21 26	13.2	13.3	141	06
NGC 2552	H III 711	GALXY	LYN	08 19.3	+50 00	12.1	14.2	043	01
NGC 2558	H III 606	GALXY	CNC	08 19.4	+20 30	12.9	13.7	141	06
NGC 2561	UGC 4336	GALXY	HYA	08 19.6	+04 39	13.1	12.5	231	12
NGC 2565		GALXY	CNC	08 19.8	+22 01	12.6	13.0	141	06
NGC 2560	UGC 4337	GALXY	CNC	08 19.9	+20 59	13.3	12.4	141	06
NGC 2562	H III 607	GALXY	CNC	08 20.4	+21 07	12.9	12.3	141	06
NGC 2563	H II 634	GALXY	CNC	08 20.6	+21 04	12.2	13.3	141	06
NGC 2574		GALXY	HYA	08 20.8	-08 57	14.0	99.9	276	12
PK263- 5.1		PLNNB	VEL	08 20.8	-46 22	13.6	99.9	396	20
NGC 2579		CL+NB	PUP	08 21.1	-36 11	07.5	99.9	363	20
NGC 2572		GALXY	CNC	08 21.4	+19 08	13.8	13.1	141	12
NGC 2578	H III 902	GALXY	PUP	08 21.4	-13 19	12.6	13.4	276	12
NGC 2569		GALXY	CNC	08 21.5	+20 52	14.3	12.8	141	06
NGC 2570		GALXY	CNC	08 21.5	+20 55	14.5	13.9	141	06
NGC 2580		OPNCL	PUP	08 21.6	-30 19	09.7	99.9	363	20
NGC 2544	UGC 4327	GALXY	CAM	08 21.7	+73 59	12.9	12.5	007	01
Cr 185		OPNCL	PUP	08 22.5	-36 10	07.8	99.9	363	20
NGC 2577	H II 259	GALXY	CNC	08 22.7	+22 33	12.4	13.0	141	06
NGC 2575	UGC 4368	GALXY	CNC	08 22.8	+24 17	12.7	14.2	141	06
NGC 2576		GALXY	CNC	08 22.9	+25 44	14.3	13.4	141	06
NGC 2583		GALXY	HYA	08 23.1	-05 01	13.4	12.9	231	12
NGC 2584		GALXY	HYA	08 23.2	-05 00	14.5	99.9	231	12
NGC 2588		OPNCL	PUP	08 23.2	-32 59	11.8	99.9	363	20
NGC 2585		GALXY	HYA	08 23.4	-04 56	14.5	99.9	231	12
NGC 2587		OPNCL	PUP	08 23.5	-29 30	09.2	99.9	363	20
Cr 187		OPNCL	PUP	08 24.2	-29 09	09.6	99.9	363	20
NGC 2586		GALXY	HYA	08 24.4	-04 53	15.5	99.9	231	12
NGC 2581		GALXY	CNC	08 24.5	+18 35	13.3	13.0	141	12
NGC 2589		NONEX	HYA	08 24.5	-08 46	99.9	99.9	276	12
NGC 2550		GALXY	CAM	08 24.6	+74 01	12.8	11.6	007	01
NGC 2551	UGC 4362	GALXY	CAM	08 24.8	+73 25	12.1	12.6	007	01
Ru 60		OPNCL	VEL	08 24.8	-47 08	99.9	99.9	397	20
NGC 2590		GALXY	HYA	08 25.1	-00 36	13.1	13.4	231	12
NGC 2582	H III 753	GALXY	CNC	08 25.3	+20 20	13.0	13.3	141	06
Ru 61		OPNCL	PUP	08 25.3	-34 10	99.9	99.9	363	20
NGC 2601		GALXY	VOL	08 25.6	-68 07	12.5	12.9	447	24
UGC 4393	MCG +08-16-003	GALXY	LYN	08 26.1	+45 58	12.4	13.6	070	06
NGC 2593		GALXY	CNC	08 26.8	+17 22	13.9	12.9	141	12
NGC 2592	H II 315	GALXY	CNC	08 27.1	+25 58	12.3	13.2	141	06
NGC 2594		GALXY	CNC	08 27.3	+25 52	15.0	99.9	141	06
NGC 2596		GALXY	CNC	08 27.4	+17 17	13.5	13.1	141	12
NGC 2595	H III 599	GALXY	CNC	08 27.7	+21 29	12.3	14.3	141	06
UGC 4390		GALXY	CAM	08 27.8	+73 31	14.2	99.9	007	01
PK258- 0.1	He2-9	PLNNB	PUP	08 28.5	-39 24	14.4	99.9	397	20
NGC 2550A	UGC 4397	GALXY	CAM	08 28.6	+73 45	12.7	13.5	007	01
NGC 2609		OPNCL	CAR	08 29.5	-61 06	99.9	99.9	447	24
Ru 157		OPNCL	PYX	08 29.8	-19 06	99.9	99.9	321	12

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NGC 2597		NONEX	CNC	08 30.0	+21 30	99.9	99.9	141	06
Gum 12		SNREM	VEL	08 30.0	-45 00	99.9	99.9	397	20
NGC 2598		GALXY	CNC	08 30.1	+21 29	13.6	12.7	141	06
vdB-Ha 34		OPNCL	VEL	08 31.3	-44 29	99.9	99.9	397	20
Pismis 3		OPNCL	VEL	08 31.4	-37 40	99.9	99.9	363	20
PK252+ 4.1	Abell 27	PLNNB	PYX	08 31.8	-32 05	99.9	99.9	363	20
NGC 2599	H III 234	GALXY	CNC	08 32.2	+22 34	12.2	13.3	141	06
Ru 62		OPNCL	PYX	08 32.5	-19 39	99.9	99.9	321	12
Ru 63		OPNCL	VEL	08 33.2	-48 02	99.9	99.9	397	20
NGC 2604A	H III 292	GALXY	CNC	08 33.3	+29 33	13.5	99.9	102	06
NGC 2613	H II 266	GALXY	PYX	08 33.3	-22 58	10.3	12.9	321	20
NGC 2610	H IV 35	PLNNB	HYA	08 33.4	-16 09	13.0	99.9	276	12
NGC 2604B		GALXY	CNC	08 33.5	+29 30	15.5	99.9	102	06
NGC 2612		GALXY	HYA	08 33.8	-13 09	13.0	99.9	276	12
NGC 2607	UGC 4473	GALXY	CNC	08 33.9	+26 59	13.6	13.2	141	06
UGC 4459		GALXY	UMA	08 34.1	+66 10	14.4	15.0	022	01
Pismis 4		OPNCL	VEL	08 34.5	-44 16	05.9	99.9	397	20
NGC 2615		GALXY	HYA	08 34.6	-02 32	12.5	13.1	231	12
NGC 2600		GALXY	UMA	08 34.8	+52 44	14.2	13.3	044	01
NGC 2602		GALXY	UMA	08 35.2	+52 50	15.5	99.9	044	01
NGC 2608	H II 318	GALXY	CNC	08 35.3	+28 29	12.3	13.4	102	06
NGC 2605		NONEX	UMA	08 35.4	+52 51	99.9	99.9	044	01
NGC 2611		GALXY	CNC	08 35.5	+25 02	15.5	99.9	141	06
NGC 2603		GALXY	UMA	08 35.5	+52 47	15.0	99.9	044	01
NGC 2616	UGC 4489	GALXY	HYA	08 35.6	-01 50	12.5	13.2	231	12
NGC 2626		BRTNB	VEL	08 35.6	-40 38	99.9	99.9	397	20
NGC 2606		GALXY	UMA	08 35.7	+52 48	15.0	99.9	044	01
NGC 2617		GALXY	HYA	08 35.7	-04 03	15.0	99.9	231	12
NGC 2618	H III 257	GALXY	HYA	08 36.2	+00 42	12.1	13.6	231	12
vdB-Ha 37		OPNCL	VEL	08 36.3	-42 45	99.9	99.9	397	20
PK259+ 0.1	He2-11	PLNNB	VEL	08 37.1	-39 26	14.5	99.9	397	20
NGC 2627	H VII 63	OPNCL	PYX	08 37.3	-29 57	08.4	99.9	363	20
NGC 2591	UGC 4472	GALXY	CAM	08 37.4	+78 02	12.3	12.8	007	01
Ru 64		OPNCL	VEL	08 37.4	-40 06	99.9	99.9	397	20
NGC 2640		UVSOB	CAR	08 37.4	-55 07	99.9	99.9	425	24
NGC 2620		GALXY	CNC	08 37.5	+24 57	13.4	13.3	141	06
Pismis 5		OPNCL	VEL	08 37.5	-39 40	09.9	99.9	397	20
NGC 2619	H II 319	GALXY	CNC	08 37.6	+28 43	12.4	13.5	102	06
UGC 4499		GALXY	UMA	08 37.6	+51 39	13.0	14.6	044	01
NGC 2621		GALXY	CNC	08 37.7	+25 00	15.5	99.9	141	06
UGC 4506		GALXY	HYA	08 37.9	-02 28	11.7	12.3	231	12
NGC 2624	UGC 4506	GALXY	CNC	08 38.1	+19 44	14.5	99.9	141	12
NGC 2625		GALXY	CNC	08 38.3	+19 43	14.9	12.1	141	12
NGC 2622		GALXY	CNC	08 38.3	+24 55	14.0	12.7	141	06
NGC 2623	UGC 4509	GALXY	CNC	08 38.4	+25 46	13.4	13.8	141	06
NGC 2635		OPNCL	PYX	08 38.5	-34 46	11.2	99.9	363	20
NGC 2645		NONEX	VEL	08 38.9	-46 13	99.9	99.9	397	20
Ru 65		OPNCL	VEL	08 39.1	-44 02	99.9	99.9	397	20
Pismis 6		OPNCL	VEL	08 39.3	-46 13	07	99.9	397	20

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NGC 2632	M 44	OPNCL	CNC	08 40.1	+19 59	03.1	99.9	141	12
PK244+12.1	Abell 29	PLNNB	PYX	08 40.2	-20 54	14.3	99.9	321	20
IC 2391	Cr 191	OPNCL	VEL	08 40.2	-53 04	02.5	99.9	425	24
Waterloo 6		OPNCL	VEL	08 40.4	-46 09	08.4	99.9	397	20
NGC 2628	H III 235	GALXY	CNC	08 40.5	+23 33	13.3	13.4	141	06
NGC 2642		GALXY	HYA	08 40.7	-04 07	12.6	13.9	231	12
PK254+ 5.1	M3-6	PLNNB	PYX	08 40.7	-32 23	11.0	99.9	363	20
NGC 2637		GALXY	CNC	08 41.1	+19 42	99.9	99.9	141	12
Ru 66		OPNCL	PYX	08 41.1	-36 18	99.9	99.9	363	20
IC 2395	Cr 192	OPNCL	VEL	08 41.1	-48 12	04.6	99.9	397	20
NGC 2644	UGC 4533	GALXY	HYA	08 41.5	+04 59	12.3	12.8	231	12
Pismis 8		OPNCL	VEL	08 41.5	-46 17	09.5	99.9	397	20
PK158+37.1	Abell 28	PLNNB	UMA	08 41.6	+58 13	13.5	99.9	044	01
NGC 2643		GALXY	CNC	08 41.7	+19 43	99.9	99.9	141	12
Pismis 7		OPNCL	VEL	08 41.7	-37 41	99.9	99.9	363	20
Ru 67		OPNCL	VEL	08 41.8	-43 23	09.1	99.9	397	20
NGC 2660		OPNCL	VEL	08 42.2	-47 09	08.8	99.9	397	20
NGC 2638		GALXY	LYN	08 42.4	+37 13	12.8	12.6	102	06
NGC 2647		GALXY	CNC	08 42.6	+19 40	15.0	99.9	141	12
NGC 2659		OPNCL	VEL	08 42.6	-44 57	08.6	99.9	397	20
vdB-Ha 47		OPNCL	VEL	08 42.6	-48 07	99.9	99.9	397	20
NGC 2648	H III 49	GALXY	CNC	08 42.7	+14 18	11.8	13.1	186	12
NGC 2614		GALXY	UMA	08 42.8	+72 59	12.9	14.5	007	01
UGC 4543		GALXY	LYN	08 43.3	+45 44	13.8	15.6	070	06
NGC 2652		NONEX	HYA	08 43.3	-03 37	99.9	99.9	231	12
NGC 2658		OPNCL	PYX	08 43.4	-32 39	09.2	99.9	363	20
NGC 2639	H I 204	GALXY	UMA	08 43.6	+50 13	11.6	12.3	044	01
PK265- 2.1	Velghe 26	PLNNB	VEL	08 43.6	-46 06	13.0	99.9	397	20
NGC 2651		GALXY	CNC	08 44.0	+11 47	15.5	99.9	186	12
NGC 2649	H II 727	GALXY	LYN	08 44.1	+34 43	12.3	13.1	102	06
UGC 4559		GALXY	CNC	08 44.2	+30 07	13.2	13.5	102	06
Gum 15	RCW 32	BRTNB	VEL	08 44.6	-41 17	99.9	99.9	397	20
Cr 197		OPNCL	VEL	08 44.7	-41 22	06.7	99.9	397	20
Bochum 7		OPNCL	VEL	08 44.8	-45 59	06.8	99.9	397	20
NGC 2669		OPNCL	VEL	08 44.9	-52 58	06.1	99.9	425	24
Cr 196		OPNCL	PYX	08 45.0	-31 38	10.5	99.9	363	20
NGC 2663		GALXY	PYX	08 45.1	-33 49	10.9	13.1	363	20
Ru 68		OPNCL	PYX	08 45.1	-34 26	99.9	99.9	363	12
Cr 198		OPNCL	PYX	08 45.3	-31 46	11.2	99.9	363	20
Ru 69		OPNCL	VEL	08 45.3	-46 46	99.9	99.9	397	20
NGC 2657		GALXY	CNC	08 45.4	+09 40	13.0	13.5	186	12
NGC 2630		GALXY	UMA	08 45.4	+73 02	16.0	99.9	007	01
NGC 2670		OPNCL	VEL	08 45.5	-48 47	07.8	99.9	397	20
NGC 2662		GALXY	HYA	08 45.7	-15 08	15.0	99.9	276	12
NGC 2661	H III 50	GALXY	CNC	08 46.0	+12 38	12.8	13.4	186	12
NGC 2665		GALXY	HYA	08 46.0	-19 17	12.2	13.3	321	12
NGC 2671		OPNCL	VEL	08 46.2	-41 53	11.6	99.9	397	20
PK208+33.1	Abell 30	PLNNB	CNC	08 46.8	+17 53	15.6	99.9	141	12
NGC 2664		NONEX	CNC	08 47.2	+12 36	99.9	99.9	186	12

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NGC 2629	H III 982	GALXY	UMA	08 47.2	+72 59	12.3	13.2	007	01
NGC 2631		NONEX	UMA	08 47.2	+73 00	99.9	99.9	007	01
vdB-Ha 52		OPNCL	VEL	08 47.2	-51 27	99.9	99.9	425	25
Tr 10	Cr 203	OPNCL	VEL	08 47.8	-42 29	04.6	99.9	397	20
NGC 2656		GALXY	UMA	08 47.9	+53 51	13.8	14.2	044	01
IC 2389	UGC 4576	GALXY	CAM	08 48.0	+73 32	13.4	12.6	007	01
NGC 2641	H III 983	GALXY	UMA	08 48.1	+72 54	13.6	13.9	007	01
NGC 2633	UGC 4574	GALXY	CAM	08 48.1	+74 06	12.2	13.5	007	01
NGC 2667A	IC 2410	GALXY	CNC	08 48.3	+19 01	15.0	99.9	142	12
IC 2409		GALXY	CNC	08 48.4	+18 20	13.5	13.1	142	12
NGC 2667B		GALXY	CNC	08 48.4	+19 02	15.5	99.9	142	12
NGC 2636	UGC 4583	GALXY	CAM	08 48.4	+73 40	13.8	12.8	007	01
NGC 2634	UGC 4581	GALXY	CAM	08 48.4	+73 58	12.0	13.1	007	01
NGC 2634A		GALXY	CAM	08 48.6	+73 56	13.6	13.0	007	01
NGC 2654		GALXY	UMA	08 49.2	+60 12	11.8	12.9	044	01
NGC 2672	H II 80=II 48	GALXY	CNC	08 49.3	+19 04	11.7	14.0	142	12
NGC 2674		NONEX	HYA	08 49.3	-14 17	99.9	99.9	277	12
NGC 2673	UGC 4619	GALXY	CNC	08 49.4	+19 04	14.5	99.9	142	12
NGC 2668		GALXY	LYN	08 49.4	+36 41	13.8	13.4	102	06
Ru 71		OPNCL	VEL	08 49.5	-46 48	99.9	99.9	397	20
Ru 70		OPNCL	VEL	08 49.9	-45 32	99.9	99.9	397	20
NGC 2677	H II 48?	GALXY	CNC	08 50.0	+19 00	15.0	99.9	142	12
NGC 2666		NONEX	UMA	08 50.0	+47 03	99.9	99.9	070	06
NGC 2650	H II 908	GALXY	UMA	08 50.0	+70 18	13.3	13.8	022	01
NGC 2678	H VIII 10	NONEX	CNC	08 50.2	+11 20	99.9	99.9	187	12
NGC 2682	M 67	OPNCL	CNC	08 50.4	+11 49	06.9	99.9	187	12
NGC 2646	UGC 4604	GALXY	CAM	08 50.4	+73 28	12.1	12.5	007	01
Gum 17	RCW 3	BRTNB	VEL	08 50.5	-42 07	99.9	99.9	397	20
vdB-Ha 54		OPNCL	VEL	08 50.5	-43 57	99.9	99.9	397	20
NGC 2676	UGC 4627	GALXY	UMA	08 51.4	+47 32	13.1	13.3	070	06
NGC 2679	H III 294	GALXY	CNC	08 51.5	+30 52	14.5	99.9	102	06
NGC 2680	UGC 4632	GALXY	CNC	08 51.5	+30 52	14.5	99.9	102	06
NGC 2675		GALXY	UMA	08 51.9	+53 36	13.3	13.8	044	01
NGC 2683	H I 200	GALXY	LYN	08 52.7	+33 25	09.8	12.9	102	06
NGC 2690		GALXY	HYA	08 52.7	-02 37	13.1	12.9	232	12
Ru 72		OPNCL	PYX	08 52.9	-36 46	99.9	99.9	363	20
Ru 158		OPNCL	PYX	08 53.1	-36 48	99.9	99.9	363	19
MCG +13-07-007		GALXY	CAM	08 53.2	+76 30	12.0	99.9	007	02
PK261+ 2.1	He2-15	PLNNB	VEL	08 53.5	-40 04	13.0	99.9	397	20
NGC 2714		UVSOB	CAR	08 53.5	-59 13	99.9	99.9	425	24
NGC 2681	H I 242	GALXY	UMA	08 53.6	+51 18	10.3	12.8	044	01
SL 4		DRKNB	VEL	08 53.6	-42 13	79.9	79.9	397	20
IC 520	UGC 4630	GALXY	CAM	08 53.7	+73 29	11.7	12.8	007	01
PK269- 3.1		PLNNB	VEL	08 54.1	-50 32	13.6	99.9	425	24
PK219+31.1	Abell 31	PLNNB	CNC	08 54.2	+08 55	12.2	99.9	187	12
NGC 2696		NONEX	HYA	08 54.4	-04 59	99.9	99.9	232	12
NGC 2695	H II 280	GALXY	HYA	08 54.5	-03 05	11.9	12.5	232	12
NGC 2691	H II 658	GALXY	LYN	08 54.7	+39 32	13.1	13.0	070	06
NGC 2684	H III 712	GALXY	UMA	08 54.8	+49 08	12.9	12.4	070	06

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NGC 2686A		GALXY	UMA	08 54.9	+49 08	16.0	99.9	070	06
NGC 2686B		GALXY	UMA	08 54.9	+49 08	16.0	99.9	070	06
NGC 2687A		GALXY	UMA	08 55.0	+49 09	17.0	99.9	070	06
NGC 2687B		GALXY	UMA	08 55.0	+49 09	16.0	99.9	070	06
NGC 2697		GALXY	HYA	08 55.1	-03 00	12.3	12.9	232	12
NGC 2689		GALXY	UMA	08 55.2	+49 09	99.9	99.9	070	06
NGC 2688		GALXY	UMA	08 55.3	+49 06	16.0	99.9	070	06
NGC 2685	UGC 4666	GALXY	UMA	08 55.6	+58 44	11.3	13.7	044	01
NGC 2655	H I 288	GALXY	CAM	08 55.6	+78 13	10.1	13.2	007	01
NGC 2653		ASTER	CAM	08 55.6	+78 25	99.9	99.9	007	01
NGC 2698		GALXY	HYA	08 55.6	-03 11	12.6	12.3	232	12
NGC 2700		NONEX	HYA	08 55.7	-05 06	99.9	99.9	232	12
NGC 2702		GALXY	HYA	08 55.9	-03 04	99.9	99.9	232	12
NGC 2699		GALXY	HYA	08 55.9	-03 09	12.6	12.6	232	12
NGC 2703		2STAR	HYA	08 55.9	-03 17	99.9	99.9	232	12
NGC 2705		1STAR	HYA	08 56.0	-03 00	99.9	99.9	232	12
NGC 2708	H II 281	GALXY	HYA	08 56.1	-03 21	12.0	13.2	232	12
NGC 2707		1STAR	HYA	08 56.2	-03 04	99.9	99.9	232	12
NGC 2706		GALXY	HYA	08 56.3	-02 35	13.0	12.9	232	12
NGC 2709		GALXY	HYA	08 56.3	-03 16	13.6	12.8	232	12
NGC 2704	H III 625	GALXY	LYN	08 56.9	+39 22	13.4	13.3	070	06
NGC 2694		GALXY	UMA	08 57.0	+51 19	14.4	14.7	044	01
NGC 2693	H II 823	GALXY	UMA	08 57.0	+51 20	11.9	13.6	044	01
NGC 2692	H III 831	GALXY	UMA	08 57.0	+52 04	13.3	12.7	044	01
NGC 2717		GALXY	PYX	08 57.0	-24 40	12.3	13.5	322	20
vdB-Ha 55		OPNCL	VEL	08 57.0	-38 52	99.9	99.9	363	20
NGC 2713		GALXY	HYA	08 57.3	+02 55	11.8	13.4	232	12
NGC 2711		GALXY	CNC	08 57.3	+17 17	13.6	12.9	142	12
vdB-Ha 56		OPNCL	VEL	08 57.3	-43 13	99.9	99.9	397	20
NGC 2716		GALXY	HYA	08 57.6	+03 05	11.8	12.0	232	12
PK253+10.1	K1-2	PLNNB	PYX	08 57.8	-28 57	15.3	99.9	363	20
Muzzio 1		OPNCL	VEL	08 58.1	-46 37	99.9	99.9	397	20
NGC 2718	H II 557	GALXY	HYA	08 58.8	+06 18	11.8	13.3	187	12
NGC 2722	H III 264	GALXY	HYA	08 58.8	-03 43	99.9	99.9	232	12
NGC 2721	H II 529	GALXY	HYA	08 58.8	-04 54	12.5	99.9	232	12
UGC 4687		GALXY	UMA	08 58.9	+66 28	13.7	12.4	022	01
UGC 4704		GALXY	LYN	08 59.0	+39 12	14.5	14.8	070	06
NGC 2701	H IV 66	GALXY	UMA	08 59.0	+53 46	12.3	13.5	044	01
NGC 2720	UGC 4710	GALXY	CNC	08 59.2	+11 10	12.8	13.0	187	12
NGC 2712		GALXY	LYN	08 59.5	+44 55	12.1	13.6	070	06
Gum 23	RCW 38	BRTNB	VEL	08 59.7	-47 27	99.9	99.9	397	20
NGC 2710	H III 841	GALXY	UMA	08 59.8	+55 41	12.9	13.4	044	01
Sh2-312		BRTNB	PYX	09 00.0	-26 00	99.9	99.9	322	20
NGC 2723		GALXY	HYA	09 00.2	+03 10	13.2	12.9	232	12
NGC 2719	H III 540	GALXY	LYN	09 00.3	+35 43	13.5	99.9	103	06
NGC 2719A		GALXY	LYN	09 00.3	+35 43	13.5	99.9	103	06
NGC 2736		GALXY	VEL	09 00.4	-45 54	99.9	99.9	397	20
Mrk 18		OPNCL	VEL	09 00.6	-48 59	07.8	99.9	397	20
NGC 2724		GALXY	LYN	09 01.0	+35 46	13.6	14.6	103	06

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NGC 2725		GALXY	CNC	09 01.1	+11 05	13.4	12.3	187	12
NGC 2727		NONEX	HYA	09 01.1	-03 23	99.9	99.9	232	12
NGC 2729	UGC 4737	GALXY	HYA	09 01.5	+03 43	13.4	12.3	232	12
NGC 2728		GALXY	CNC	09 01.8	+11 04	13.6	13.4	187	12
NGC 2731		GALXY	CNC	09 02.1	+08 18	13.5	12.4	187	12
NGC 2733		NONEX	HYA	09 02.1	-03 44	99.9	99.9	232	12
NGC 2730		GALXY	CNC	09 02.3	+16 50	13.0	13.6	187	12
Ru 73		OPNCL	VEL	09 02.3	-49 28	99.9	99.9	397	20
Gum 35	RCW 40	BRTNB	VEL	09 02.4	-48 42	99.9	99.9	397	20
NGC 2735	UGC 4744	GALXY	CNC	09 02.6	+25 56	13.3	12.4	142	06
Pismis 10		OPNCL	VEL	09 02.6	-43 38	99.9	99.9	397	20
NGC 2788A		GALXY	VOL	09 02.7	-68 14	99.9	99.9	448	25
NGC 2734		GALXY	CNC	09 03.0	+16 50	99.9	99.9	187	12
NGC 2788B		GALXY	CAR	09 03.7	-68 15	13.7	13.1	448	25
NGC 2737	UGC 4751	GALXY	CNC	09 03.9	+21 54	14.1	12.8	142	06
NGC 2738	UGC 4752	GALXY	CNC	09 03.9	+21 58	13.0	12.7	142	06
IC 512	UGC 4646	GALXY	CAM	09 03.9	+85 30	12.2	14.1	001	02
NGC 2741		NONEX	CNC	09 04.3	+18 16	99.9	99.9	142	12
UGC 4749		GALXY	UMA	09 04.5	+51 37	13.5	12.6	044	02
NGC 2745		GALXY	CNC	09 04.6	+18 15	15.5	99.9	142	12
NGC 2744	H III 60	GALXY	CNC	09 04.7	+18 28	13.5	13.9	142	12
NGC 2743	H III 608	GALXY	CNC	09 05.0	+25 00	13.7	13.5	142	06
NGC 2726	H II 834	GALXY	UMA	09 05.0	+59 56	12.5	12.2	044	02
NGC 2754		GALXY	HYA	09 05.0	-19 05	14.2	13.1	322	12
NGC 2747		GALXY	CNC	09 05.3	+18 26	15.5	99.9	142	12
NGC 2749	UGC 4763	GALXY	CNC	09 05.4	+18 19	11.8	12.8	142	12
NGC 2758		GALXY	HYA	09 05.4	-19 03	13.2	12.8	322	12
NGC 2751		GALXY	CNC	09 05.5	+18 15	15.0	99.9	142	12
NGC 2757		2STAR	HYA	09 05.5	-19 02	99.9	99.9	322	12
NGC 2752	UGC 4772	GALXY	CNC	09 05.7	+18 20	13.7	13.4	142	12
NGC 2750	H III 291	GALXY	CNC	09 05.7	+25 26	11.9	13.3	142	06
NGC 2746	H III 825	GALXY	LYN	09 06.0	+35 22	13.1	13.9	103	06
NGC 2739		GALXY	UMA	09 06.0	+51 45	15.5	99.9	044	02
NGC 2740		GALXY	UMA	09 06.1	+51 44	13.9	13.3	044	02
UGC 4777		GALXY	LYN	09 06.7	+34 37	14.4	14.2	103	06
NGC 2763	H III 275	GALXY	HYA	09 06.8	-15 29	12.0	13.5	277	12
IC 2448	PK285-14.1	PLNNB	CAR	09 07.1	-69 56	11.5	99.9	448	25
NGC 2753		GALXY	CNC	09 07.2	+25 20	14.4	12.4	142	06
NGC 2761		GALXY	CNC	09 07.5	+18 26	15.0	99.9	142	12
UGC 4787		GALXY	LYN	09 07.5	+33 16	13.7	13.6	103	06
NGC 2765	H II 520	GALXY	HYA	09 07.6	+03 23	12.1	12.9	232	12
MCG +10-13-057		GALXY	UMA	09 07.6	+60 28	12.1	99.9	044	02
NGC 2742	H I 249	GALXY	UMA	09 07.6	+60 29	11.4	13.0	044	02
NGC 2772		GALXY	PYX	09 07.7	-23 37	13.4	13.6	322	20
NGC 2755	H III 626	GALXY	LYN	09 07.9	+41 43	13.1	13.0	070	06
UGC 4797		GALXY	HYA	09 08.1	+05 56	13.9	15.1	187	12
NGC 2715	UGC 4759	GALXY	CAM	09 08.1	+78 05	11.2	13.4	007	02
NGC 2764	H III 236	GALXY	CNC	09 08.3	+21 27	12.9	13.1	142	06
NGC 2759	H III 647	GALXY	LYN	09 08.6	+37 37	13.0	12.6	103	06

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NGC 2766	UGC 4801	GALXY	CNC	09 08.8	+29 52	13.6	13.1	103	06
PK273- 3.1	He2-18	PLNNB	VEL	09 08.8	-53 19	14.3	99.9	425	25
NGC 2756	H II 828	GALXY	UMA	09 09.0	+53 51	12.4	13.0	044	02
PK266+ 2.2		PLNNB	VEL	09 09.0	-44 17	99.9	99.9	397	20
NGC 2788		GALXY	CAR	09 09.0	-67 56	12.3	11.8	448	25
NGC 2770B		GALXY	LYN	09 09.2	+33 08	99.9	99.9	103	06
NGC 2773	UGC 4815	GALXY	CNC	09 09.6	+07 11	14.0	12.3	187	12
NGC 2770	H II 490	GALXY	LYN	09 09.6	+33 08	12.2	13.7	103	06
NGC 2762		GALXY	UMA	09 09.8	+50 26	15.5	99.9	044	02
NGC 2742A		GALXY	UMA	09 09.9	+62 15	13.2	13.1	023	02
NGC 2767		GALXY	UMA	09 10.1	+50 25	13.8	11.6	044	02
NGC 2775	H I 2	GALXY	CNC	09 10.3	+07 03	10.1	12.9	187	12
vdB-Ha 58		OPNCL	VEL	09 10.3	-56 07	99.9	99.9	425	25
NGC 2769		GALXY	UMA	09 10.4	+50 27	13.0	12.5	044	02
NGC 2771		GALXY	UMA	09 10.5	+50 24	12.7	14.1	044	02
NGC 2777		GALXY	CNC	09 10.6	+07 13	13.3	12.4	187	12
NGC 2774	H III 61	GALXY	CNC	09 10.6	+18 42	15.0	99.9	142	12
MCG -01-24-001		GALXY	HYA	09 10.8	-08 54	11.3	12.7	277	12
NGC 2768	H I 250	GALXY	UMA	09 11.5	+60 03	09.9	13.7	044	02
NGC 2781	H I 66	GALXY	HYA	09 11.5	-14 48	11.6	13.1	277	12
NGC 2808		GLOCL	CAR	09 12.0	-64 52	06.3	99.9	448	25
UGC 4837		GALXY	LYN	09 12.1	+35 31	14.2	14.1	103	06
NGC 2778	H II 564	GALXY	LYN	09 12.3	+35 01	12.4	12.8	103	06
NGC 2779		GALXY	LYN	09 12.3	+35 03	15.5	99.9	103	06
NGC 2776		GALXY	LYN	09 12.3	+44 58	11.6	13.8	071	06
NGC 2784	H I 59	GALXY	HYA	09 12.3	-24 10	10.2	12.8	322	20
NGC 2792	PK265+4.1	PLNNB	VEL	09 12.4	-42 26	13.5	99.9	398	20
NGC 2780	H III 826	GALXY	LYN	09 12.6	+34 55	13.3	12.6	103	06
NGC 2770A		NONEX	LYN	09 13.0	+35 04	99.9	99.9	103	06
NGC 2732	UGC 4818	GALXY	CAM	09 13.4	+79 12	11.9	12.4	008	02
NGC 2783B	UGC 4856	GALXY	CNC	09 13.5	+30 00	15.0	99.9	103	06
NGC 2783A	H III 295	GALXY	CNC	09 13.6	+29 59	14.0	99.9	103	06
NGC 2748	UGC 4825	GALXY	CAM	09 13.7	+76 29	11.7	12.9	008	02
NGC 2836		GALXY	CAR	09 13.7	-69 20	11.8	13.4	448	25
PK275- 4.2		PLNNB	VEL	09 13.9	-55 28	99.9	99.9	425	25
NGC 2786		NONEX	CNC	09 14.0	+12 09	99.9	99.9	187	12
NGC 2822		GALXY	CAR	09 14.0	-69 38	10.7	12.8	448	25
NGC 2782	H I 167	GALXY	LYN	09 14.1	+40 07	11.6	13.9	071	06
UGC 4841	MCG +12-09-032	GALXY	CAM	09 14.8	+74 14	12.4	14.3	008	02
PK275- 4.1		PLNNB	VEL	09 14.9	-54 53	12.9	99.9	425	25
NGC 2791		GALXY	CNC	09 15.0	+17 36	15.5	99.9	142	12
NGC 2790		GALXY	CNC	09 15.0	+19 43	14.4	12.2	142	12
NGC 2789		GALXY	CNC	09 15.0	+29 44	12.2	13.5	103	06
NGC 2785		GALXY	LYN	09 15.2	+40 55	14.2	13.8	071	06
NGC 2760		NONEX	CAM	09 15.7	+76 23	99.9	99.9	008	02
NGC 2842		UVSOB	CAR	09 15.7	-63 04	99.9	99.9	448	25
NGC 2794	UGC 4885	GALXY	CNC	09 16.0	+17 36	13.1	13.4	142	12
NGC 2818A	PK261+8.1	PLNNB	PYX	09 16.0	-36 36	13.0	99.9	364	20
NGC 2818		OPNCL	PYX	09 16.0	-36 37	08.2	99.9	364	20

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Pismis 11		OPNCL	VEL	09 16.0	-48 24	99.9	99.9	398	20
vdB-Ha 60		OPNCL	VEL	09 16.0	-48 24	99.9	99.9	398	20
NGC 2795	UGC 4887	GALXY	CNC	09 16.1	+17 38	12.8	13.2	142	12
PK268+ 2.1		PLNNB	VEL	09 16.2	-45 29	99.9	99.9	398	20
NGC 2811	H II 502	GALXY	HYA	09 16.3	-16 18	11.3	12.0	277	12
NGC 2815	H III 242	GALXY	HYA	09 16.3	-23 36	11.9	13.2	322	20
PK227+33.1	Abell 32	PLNNB	HYA	09 16.4	+03 53	99.9	99.9	232	12
NGC 2797	UGC 4891	GALXY	CNC	09 16.4	+17 44	14.5	99.9	142	12
NGC 2802	H III 62	GALXY	CNC	09 16.7	+18 58	14.5	99.9	142	12
NGC 2803	H III 63	GALXY	CNC	09 16.7	+18 58	14.5	99.9	142	12
NGC 2801		GALXY	CNC	09 16.7	+19 56	14.0	14.0	142	12
NGC 2796	H III 296	GALXY	CNC	09 16.7	+30 55	14.5	99.9	103	06
NGC 2804		GALXY	CNC	09 16.8	+20 12	12.9	14.4	142	06
NGC 2793	UGC 4894	GALXY	LYN	09 16.8	+34 26	13.1	13.3	103	06
NGC 2821		GALXY	PYX	09 16.8	-26 49	13.0	12.8	322	20
NGC 2807		GALXY	CNC	09 17.0	+20 02	15.0	99.9	142	06
NGC 2806		GALXY	CNC	09 17.0	+20 03	15.0	99.9	142	06
NGC 2809	UGC 4910	GALXY	CNC	09 17.1	+20 04	13.0	13.3	142	06
NGC 2817		GALXY	HYA	09 17.3	-04 44	13.0	99.9	232	12
NGC 2798	H II 708	GALXY	LYN	09 17.4	+42 01	12.3	13.2	071	06
NGC 2799		GALXY	LYN	09 17.5	+42 00	13.8	13.6	071	06
NGC 2812		GALXY	CNC	09 17.6	+19 55	15.5	99.9	142	12
NGC 2813	UGC 4916	GALXY	CNC	09 17.7	+19 54	13.5	13.8	142	12
NGC 2835		GALXY	HYA	09 17.9	-22 20	10.5	14.0	322	20
MCG -02-24-007	Hydra A	GALXY	HYA	09 18.1	-12 06	12.9	12.1	277	12
PK275- 3.1		PLNNB	VEL	09 18.1	-54 40	99.9	99.9	425	25
NGC 2819		GALXY	CNC	09 18.2	+16 13	12.8	13.4	187	12
NGC 2837		NONEX	HYA	09 18.4	-16 28	99.9	99.9	277	12
IC 529	UGC 4888	GALXY	CAM	09 18.5	+73 46	11.9	13.7	008	02
UGC 4922		GALXY	UMA	09 18.6	+47 52	13.4	14.9	071	06
NGC 2800	H III 832	GALXY	UMA	09 18.6	+52 31	12.8	13.1	044	02
NGC 2845		GALXY	VEL	09 18.6	-38 00	11.7	12.3	364	20
NGC 2824		GALXY	CNC	09 19.0	+26 17	13.3	12.6	142	06
NGC 2827		GALXY	LYN	09 19.2	+33 52	15.5	99.9	103	06
NGC 2823		GALXY	LYN	09 19.3	+34 00	14.6	13.6	103	06
NGC 2787	H I 216	GALXY	UMA	09 19.3	+69 13	10.8	12.6	023	02
NGC 2849		OPNCL	VEL	09 19.3	-40 31	12.5	99.9	398	20
NGC 2826		GALXY	LYN	09 19.4	+33 38	13.6	12.6	103	06
NGC 2825		GALXY	LYN	09 19.4	+33 44	14.4	13.0	103	06
NGC 2829		GALXY	LYN	09 19.5	+33 40	99.9	99.9	103	06
NGC 2828		GALXY	LYN	09 19.5	+33 53	15.5	99.9	103	06
PK278- 6.1		PLNNB	CAR	09 19.6	-59 12	99.9	99.9	425	25
NGC 2830	H I 113	GALXY	LYN	09 19.7	+33 44	14.3	13.2	103	06
NGC 2831		GALXY	LYN	09 19.7	+33 45	14.5	99.9	103	06
NGC 2832	UGC 4942	GALXY	LYN	09 19.7	+33 46	11.9	13.5	103	06
Abell 779		GALCL	LYN	09 19.9	+33 46	13.8	99.9	103	06
NGC 2833		GALXY	LYN	09 19.9	+33 56	15.5	99.9	103	06
NGC 2846		1STAR	HYA	09 19.9	-14 41	99.9	99.9	277	12
Pismis 12		OPNCL	VEL	09 19.9	-45 08	09.7	99.9	398	20

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NGC 2834		GALXY	LYN	09 20.0	+33 43	15.5	99.9	103	06
NGC 2847		NONEX	HYA	09 20.1	-16 30	99.9	99.9	278	12
NGC 2848	H III 488	GALXY	HYA	09 20.2	-16 30	11.8	13.3	278	12
NGC 2805	H III 878	GALXY	UMA	09 20.3	+64 06	11.0	14.6	023	02
NGC 2843	H III 64	GALXY	CNC	09 20.4	+18 57	99.9	99.9	143	12
vdB-Ha 63		OPNCL	VEL	09 20.4	-49 11	99.9	99.9	398	20
NGC 2839		GALXY	LYN	09 20.6	+33 40	14.2	99.9	103	06
NGC 2851		GALXY	HYA	09 20.6	-16 28	15.0	99.9	278	12
Ru 159		OPNCL	CAR	09 20.6	-60 02	99.9	99.9	425	25
NGC 2838	H III 627	GALXY	LYN	09 20.7	+39 19	14.5	99.9	071	06
NGC 2840	H III 827	GALXY	LYN	09 20.8	+35 23	13.8	13.6	103	06
NGC 2850		GALXY	HYA	09 21.0	-04 55	99.9	99.9	233	12
NGC 2816		NONEX	UMA	09 21.1	+60 27	99.9	99.9	044	02
NGC 2814	H II 868	GALXY	UMA	09 21.2	+64 15	13.7	12.5	023	02
Ru 74		OPNCL	PYX	09 21.3	-35 22	99.9	99.9	364	20
NGC 2820A		GALXY	UMA	09 21.4	+64 15	15.0	99.9	023	02
NGC 2867	PK278-5.1	PLNNB	CAR	09 21.4	-58 19	09.7	99.9	425	25
NGC 2855	H I 132	GALXY	HYA	09 21.5	-11 53	11.6	13.3	278	12
NGC 2844	H III 628	GALXY	LYN	09 21.8	+40 10	12.9	13.0	071	06
NGC 2820	H II 869	GALXY	UMA	09 21.8	+64 16	12.8	13.4	023	02
NGC 2841	H I 205	GALXY	UMA	09 22.0	+50 59	09.2	12.7	044	02
NGC 2866		NONEX	VEL	09 22.0	-51 05	99.9	99.9	425	25
NGC 2810A	H III 749	GALXY	UMA	09 22.1	+71 51	13.5	99.9	023	02
NGC 2810B		GALXY	UMA	09 22.1	+71 52	15.5	99.9	023	02
PK275- 2.1	He2-28	PLNNB	VEL	09 22.1	-54 09	14.4	99.9	425	25
Pismis 13		OPNCL	VEL	09 22.3	-51 08	10.2	99.9	425	25
Ru 75		OPNCL	VEL	09 22.5	-56 09	99.9	99.9	425	25
NGC 2858		GALXY	HYA	09 22.9	+03 09	12.6	12.9	233	12
NGC 2852	H III 629	GALXY	LYN	09 23.3	+40 11	13.2	12.6	071	06
NGC 2853	H III 630	GALXY	LYN	09 23.3	+40 13	13.3	13.6	071	06
NGC 2868		NONEX	HYA	09 23.4	-10 24	99.9	99.9	278	12
NGC 2865		GALXY	HYA	09 23.4	-23 10	11.7	13.3	323	20
NGC 2887		UVSOB	CAR	09 23.4	-63 48	99.9	99.9	448	25
NGC 2861	UGC 4999	GALXY	HYA	09 23.6	+02 08	12.7	13.4	233	12
NGC 2863	H III 520	GALXY	HYA	09 23.6	-10 24	13.0	99.9	278	12
NGC 2869	NGC 2863	GALXY	HYA	09 23.6	-10 24	99.9	99.9	278	12
NGC 2854	H III 714	GALXY	UMA	09 24.0	+49 13	13.0	12.9	071	06
NGC 2864		GALXY	HYA	09 24.2	+05 57	15.0	99.9	188	12
NGC 2856	H III 713	GALXY	UMA	09 24.2	+49 15	13.1	12.3	071	06
Ru 76		OPNCL	VEL	09 24.2	-51 44	10.8	99.9	425	25
NGC 2859	H I 137	GALXY	LMI	09 24.3	+34 32	10.9	13.8	103	06
NGC 2857		GALXY	UMA	09 24.5	+49 22	12.3	13.7	071	06
UKS0923-545		GLOCL	VEL	09 24.6	-54 43	99.9	99.9	425	25
PK275- 2.2	He2-29	PLNNB	VEL	09 24.8	-54 36	13.3	99.9	425	25
NGC 2862		GALXY	LEO	09 24.9	+26 47	12.8	13.0	143	06
NGC 2860		GALXY	LYN	09 24.9	+41 04	13.7	13.4	071	06
NGC 2876		GALXY	HYA	09 25.2	-06 43	14.5	99.9	278	12
NGC 2883		GALXY	PYX	09 25.2	-34 06	99.9	99.9	364	20
NGC 2879		3STAR	HYA	09 25.4	-11 40	99.9	99.9	278	12

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vdB-Ha 66		OPNCL	VEL	09 25.6	-53 39	99.9	99.9	425	25
NGC 2871		NONEX	LEO	09 25.7	+11 26	99.9	99.9	188	12
NGC 2878		GALXY	HYA	09 25.8	+02 05	14.2	12.5	233	12
NGC 2877		GALXY	HYA	09 25.8	+02 13	14.3	12.5	233	12
NGC 2872	H II 57=II 546	GALXY	LEO	09 25.8	+11 26	11.9	13.3	188	12
NGC 2875		NONEX	LEO	09 25.9	+11 25	99.9	99.9	188	12
NGC 2874	H II 58=II 547	GALXY	LEO	09 25.9	+11 26	12.5	13.0	188	12
NGC 2873		GALXY	LEO	09 25.9	+11 27	15.5	99.9	188	12
NGC 2881		GALXY	HYA	09 25.9	-11 59	14.0	99.9	278	12
NGC 2915		GALXY	CHA	09 26.2	-76 38	12.7	13.2	465	25
NGC 2888		GALXY	PYX	09 26.3	-28 02	12.6	13.0	364	20
NGC 2884		GALXY	HYA	09 26.4	-11 33	13.0	99.9	278	12
NGC 2882		GALXY	LEO	09 26.5	+07 56	12.6	12.6	188	12
NGC 2886		3STAR	HYA	09 26.5	-21 46	99.9	99.9	323	20
NGC 2890		GALXY	HYA	09 26.6	-14 32	15.0	99.9	278	12
NGC 2891		GALXY	PYX	09 26.8	-24 49	12.6	13.3	323	20
NGC 2899	PK277-3.1	PLNNB	VEL	09 27.0	-56 06	99.9	99.9	425	25
vdB-Ha 67		OPNCL	VEL	09 27.1	-51 07	99.9	99.9	425	25
Ru 77		OPNCL	VEL	09 27.1	-55 07	10.4	99.9	425	25
NGC 2889	H II 555	GALXY	HYA	09 27.2	-11 38	11.7	13.1	278	12
IC 2488	Cr 208	OPNCL	VEL	09 27.6	-56 59	07.4	99.9	425	25
NGC 2870	H III 846	GALXY	UMA	09 27.8	+57 22	13.0	13.4	044	02
UGC 5028		GALXY	UMA	09 27.8	+68 25	13.8	12.4	023	02
NGC 2894	H III 8	GALXY	LEO	09 29.4	+07 43	12.4	12.9	188	12
NGC 2885		GALXY	LEO	09 29.6	+22 57	99.9	99.9	143	06
NGC 2880	H I 260	GALXY	UMA	09 29.6	+62 30	11.5	12.4	023	02
Pismis 14		OPNCL	VEL	09 29.7	-51 43	99.9	99.9	425	25
Ru 78		OPNCL	VEL	09 29.7	-52 46	99.9	99.9	425	25
NGC 2898		GALXY	HYA	09 29.8	+02 03	13.4	13.1	233	12
NGC 2897		GALXY	HYA	09 29.8	+02 12	99.9	99.9	233	12
NGC 2904		GALXY	ANT	09 30.2	-30 23	12.4	12.6	364	20
NGC 2900	UGC 5065	GALXY	HYA	09 30.3	+04 08	13.0	13.8	233	12
NGC 2896		GALXY	LEO	09 30.3	+23 39	15.0	99.9	143	06
NGC 2893	H III 297	GALXY	LEO	09 30.3	+29 32	13.2	13.2	103	06
NGC 2910		OPNCL	VEL	09 30.4	-52 54	07.2	99.9	426	25
NGC 2902	H III 276	GALXY	HYA	09 30.9	-14 43	12.2	12.6	278	12
PK275- 1.1	Perek 2-4	PLNNB	VEL	09 30.9	-53 09	14.0	99.9	426	25
PK278- 4.1	He2-32	PLNNB	CAR	09 30.9	-57 36	12.4	99.9	426	25
vdB-Ha 72		OPNCL	VEL	09 31.5	-51 27	99.9	99.9	426	25
NGC 2907	H II 506	GALXY	HYA	09 31.6	-16 45	11.6	12.3	278	12
NGC 2906	H II 495	GALXY	LEO	09 32.2	+08 26	12.7	12.8	188	12
NGC 2903	H I 56	GALXY	LEO	09 32.2	+21 29	09	13.6	143	06
NGC 2905	H I 57	NONEX	LEO	09 32.2	+21 31	99.9	99.9	143	06
NGC 2901		NONEX	LEO	09 32.4	+31 07	99.9	99.9	103	06
NGC 2895		GALXY	UMA	09 32.4	+57 29	14.5	99.9	045	02
vdB-Ha 73		OPNCL	VEL	09 32.7	-48 14	99.9	99.9	398	20
NGC 2892	UGC 5073	GALXY	UMA	09 32.9	+67 37	13.1	13.7	023	02
Basel 20		OPNCL	VEL	09 33.0	-56 07	99.9	99.9	426	25
ESO 373-G008		GALXY	ANT	09 33.3	-33 02	12.0	13.6	364	20

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NGC 2911	H II 40	GALXY	LEO	09 33.7	+10 09	11.5	14.2	188	12
NGC 2912		GALXY	LEO	09 33.7	+10 09	99.9	99.9	188	12
NGC 2925		OPNCL	VEL	09 33.7	-53 26	08.3	99.9	426	25
NGC 2913		GALXY	LEO	09 34.0	+09 28	13.1	12.7	188	12
NGC 2914	H III 513	GALXY	LEO	09 34.0	+10 06	13.1	12.6	188	12
NGC 2920		GALXY	HYA	09 34.3	-20 51	13.0	12.1	323	20
NGC 2917		GALXY	HYA	09 34.5	-02 30	13.6	12.6	233	12
NGC 2919		GALXY	LEO	09 34.7	+10 16	12.9	12.8	188	12
NGC 2921	H III 597	GALXY	HYA	09 34.7	-20 57	12.0	13.0	323	20
NGC 2916	H II 260	GALXY	LEO	09 34.9	+21 42	12.1	13.4	143	06
NGC 2924		GALXY	HYA	09 35.2	-16 25	12.0	12.6	278	12
Pismis 15		OPNCL	VEL	09 35.3	-46 19	99.9	99.9	398	20
NGC 2932		NONEX	VEL	09 35.3	-46 57	99.9	99.9	398	20
vdB-Ha 75		OPNCL	VEL	09 35.4	-53 43	99.9	99.9	426	25
NGC 2918	H III 298	GALXY	LEO	09 35.8	+31 42	12.6	12.9	103	06
NGC 2923		GALXY	LEO	09 36.0	+16 45	15.0	99.9	188	12
NGC 2947	IC 547	GALXY	HYA	09 36.1	-12 26	99.9	99.9	278	12
PK248+ 8.1	He2-10	GALXY	ANT	09 36.2	-26 24	99.9	99.9	323	20
NGC 2935	H II 556	GALXY	HYA	09 36.7	-21 08	11.4	13.8	323	20
NGC 2922		GALXY	LMI	09 36.8	+37 41	14.1	13.3	103	06
NGC 2927	UGC 5122	GALXY	LEO	09 37.2	+23 35	12.9	13.6	143	06
NGC 2928		GALXY	LEO	09 37.3	+16 58	15.0	99.9	188	12
NGC 2929	UGC 5126	GALXY	LEO	09 37.4	+23 09	13.7	12.6	143	06
NGC 2930		GALXY	LEO	09 37.5	+23 12	14.1	12.6	143	06
NGC 2926		GALXY	LEO	09 37.5	+32 50	13.4	12.8	103	06
NGC 2945		GALXY	HYA	09 37.5	-22 02	12.2	12.8	323	20
NGC 2931		GALXY	LEO	09 37.6	+23 14	15.0	99.9	143	06
NGC 2952		GALXY	HYA	09 37.6	-10 12	99.9	99.9	278	12
NGC 2936		GALXY	HYA	09 37.7	+02 44	13.1	13.3	233	12
NGC 2937		GALXY	HYA	09 37.7	+02 44	13.7	14.1	233	12
NGC 2933		GALXY	LEO	09 38.0	+17 01	15.0	99.9	143	12
NGC 2934		GALXY	LEO	09 38.0	+17 01	15.0	99.9	143	12
NGC 2973		GALXY	ANT	09 38.0	-30 08	99.9	99.9	364	20
NGC 2939	H III 4	GALXY	LEO	09 38.1	+09 31	12.4	13.1	188	12
NGC 2940		GALXY	LEO	09 38.1	+09 36	13.5	12.9	188	12
NGC 2938	H III 963?	GALXY	DRA	09 38.3	+76 19	13.5	14.0	008	02
NGC 2941		GALXY	LEO	09 38.4	+17 03	15.0	99.9	143	12
NGC 2943		GALXY	LEO	09 38.6	+17 02	12.4	13.5	143	12
IC 2501	PK281-5.1	PLNNB	CAR	09 38.8	-60 05	11.3	99.9	426	25
NGC 2948	H III 519	GALXY	LEO	09 38.9	+06 57	12.9	13.0	188	12
MCG -01-25-011		GALXY	HYD	09 38.9	-04 49	11.0	99.9	233	12
NGC 2946		GALXY	LEO	09 39.1	+17 01	13.9	12.9	143	12
NGC 2942	UGC 5140	GALXY	LMI	09 39.1	+34 00	12.6	13.9	103	06
PK238+34.1	Abell 33	PLNNB	HYA	09 39.1	-02 48	13.4	99.9	233	12
NGC 2944	UGC 5144	GALXY	LEO	09 39.3	+32 18	14.0	13.0	103	06
NGC 2956		GALXY	HYA	09 39.3	-19 06	14.4	12.9	323	12
NGC 2951		GALXY	HYA	09 39.7	-00 14	15.0	99.9	233	12
NGC 2949		GALXY	LEO	09 40.0	+16 47	15.5	99.9	188	12
NGC 2972		OPNCL	VEL	09 40.3	-50 20	09.9	99.9	426	25

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NGC 2953		NONEX	LEO	09 40.4	+14 50	99.9	99.9	188	12
NGC 2954		GALXY	LEO	09 40.5	+14 55	12.4	13.1	188	12
UGC 5139	Holmberg I	GALXY	UMA	09 40.5	+71 11	12.5	14.9	023	02
NGC 2960		GALXY	HYA	09 40.6	+03 34	12.4	13.1	233	12
NGC 2958		GALXY	LEO	09 40.6	+11 53	13.2	12.8	188	12
NGC 2962		GALXY	HYA	09 40.9	+05 10	11.9	13.6	233	12
Ru 79		OPNCL	VEL	09 41.0	-53 50	09.2	99.9	426	25
NGC 2975		GALXY	HYA	09 41.2	-16 39	99.9	99.9	278	12
PK274+ 2.1		PLNNB	VEL	09 41.2	-49 23	99.9	99.9	398	20
NGC 2955	H III 541	GALXY	LMI	09 41.3	+35 53	12.9	13.2	104	06
PK274+ 2.2		PLNNB	VEL	09 41.6	-49 59	99.9	99.9	398	20
NGC 2969	H III 527	GALXY	SEX	09 41.8	-08 37	13.0	99.9	278	12
UGC 5172		GALXY	UMA	09 41.9	+48 40	14.4	15.2	071	06
NGC 2967	H II 275	GALXY	SEX	09 42.1	+00 20	11.6	13.8	233	12
NGC 2966		GALXY	SEX	09 42.2	+04 40	12.6	13.1	233	12
Ru 80		OPNCL	VEL	09 42.3	-44 02	99.9	99.9	398	20
NGC 2982		NONEX	VEL	09 42.4	-44 12	99.9	99.9	398	20
NGC 2950	H IV 68	GALXY	UMA	09 42.6	+58 51	10.9	12.5	045	02
NGC 2974	H I 61	GALXY	SEX	09 42.6	-03 43	10.9	13.0	233	12
NGC 2964	H I 114	GALXY	LEO	09 42.9	+31 51	11.3	12.8	104	06
NGC 2979	H III 521	GALXY	SEX	09 43.1	-10 23	14.0	99.9	278	12
NGC 3050	NGC 2979	NONEX	SEX	09 43.1	-10 23	99.9	99.9	278	12
NGC 2968	H II 491	GALXY	LEO	09 43.2	+31 56	11.7	13.0	104	06
NGC 2965	H III 751	GALXY	LMI	09 43.2	+36 14	13.4	13.4	104	06
NGC 2980	H III 528	GALXY	SEX	09 43.2	-09 37	13.0	13.2	278	12
NGC 2978		GALXY	SEX	09 43.3	-09 47	13.5	99.9	278	12
NGC 2970		GALXY	LEO	09 43.5	+31 59	13.6	12.4	104	06
NGC 2908	H III 977	GALXY	DRA	09 43.5	+79 41	14.0	99.9	008	02
PK279- 3.1	He2-36	PLNNB	CAR	09 43.5	-57 17	10.4	99.9	426	25
NGC 2984	H III 34	GALXY	LEO	09 43.6	+11 04	13.4	12.6	188	12
NGC 2971		GALXY	LMI	09 43.7	+36 10	14.0	13.7	104	06
NGC 2983	H III 289	GALXY	HYA	09 43.7	-20 29	11.8	13.1	323	20
NGC 2977	H I 282	GALXY	DRA	09 43.8	+74 52	12.5	12.8	008	02
NGC 2909		GALXY	UMA	09 44.0	+65 59	14.0	99.9	023	02
NGC 2995		NONEX	VEL	09 44.1	-54 47	99.9	99.9	426	25
NGC 2986	H II 311	GALXY	HYA	09 44.3	-21 17	10.8	13.1	323	20
vdB-Ha 78		OPNCL	VEL	09 44.4	-55 54	99.9	99.9	426	25
vdB-Ha 79		OPNCL	VEL	09 44.8	-53 09	99.9	99.9	426	25
NGC 2981	UGC 5208	GALXY	LEO	09 45.0	+31 06	13.6	13.7	104	06
NGC 2959	UGC 5202	GALXY	UMA	09 45.2	+68 36	12.8	13.2	023	02
NGC 2999		NONEX	VEL	09 45.2	-50 26	99.9	99.9	426	25
NGC 2961		GALXY	UMA	09 45.4	+68 36	14.7	13.4	023	02
NGC 2959A		GALXY	UMA	09 45.4	+68 37	99.9	99.9	023	02
NGC 2989		GALXY	HYA	09 45.4	-18 23	13.0	13.4	323	12
NGC 2987		GALXY	SEX	09 45.6	+04 56	12.9	12.9	233	12
PK248+29.1	Abell 34	PLNNB	HYA	09 45.6	-13 10	12.9	99.9	278	12
Ru 82		OPNCL	VEL	09 45.6	-53 59	08.1	99.9	426	25
NGC 2992	H III 277	GALXY	HYA	09 45.7	-14 20	12.2	13.5	278	12
NGC 2997	H V 50	GALXY	ANT	09 45.7	-31 12	09.4	13.7	365	20

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NGC 2993	H III 278	GALXY	HYA	09 45.8	-14 22	12.6	12.7	278	12
Ru 81		OPNCL	VEL	09 46.2	-42 20	99.9	99.9	398	20
NGC 2990	H II 624	GALXY	SEX	09 46.3	+05 42	12.7	12.4	188	12
NGC 3001		GALXY	ANT	09 46.3	-30 26	11.9	13.7	365	20
NGC 2996		GALXY	HYA	09 46.5	-21 36	12.5	13.2	323	20
NGC 2988	UGC 5233	GALXY	LEO	09 46.8	+22 01	14.5	99.9	143	06
NGC 2991		GALXY	LEO	09 46.8	+22 01	12.6	13.0	143	06
UGC 5238		GALXY	SEX	09 46.9	+00 30	13.7	14.2	233	12
NGC 2994		GALXY	LEO	09 47.2	+22 06	13.1	13.2	143	06
NGC 2976	H I 285	GALXY	UMA	09 47.3	+67 55	10.2	13.0	023	02
PK274+ 3.1	He2-37	PLNNB	VEL	09 47.5	-48 58	14.0	99.9	398	20
NGC 3007		GALXY	SEX	09 47.6	-06 26	15.0	99.9	278	12
UGC 5249		GALXY	SEX	09 47.8	+02 37	13.2	13.7	233	12
NGC 2963	H III 315	GALXY	DRA	09 47.8	+72 58	13.5	13.0	008	02
NGC 2957		GALXY	DRA	09 47.9	+72 58	15.5	99.9	008	02
PK221+45.1		PLNNB	LEO	09 48.0	+13 17	99.9	99.9	188	12
Mrk 408	CGCG 182-020	GALXY	LEO	09 48.1	+33 02	13.9	99.9	104	06
NGC 3003	H V 26	GALXY	LMI	09 48.6	+33 25	11.9	14.0	104	06
NGC 3029		GALXY	SEX	09 48.7	-08 03	14.0	14.2	278	12
NGC 2998	H II 717	GALXY	UMA	09 48.8	+44 05	12.5	13.9	071	06
NGC 3033		OPNCL	VEL	09 48.8	-56 25	08.8	99.9	426	25
NGC 3002		GALXY	UMA	09 49.0	+44 03	16.0	99.9	071	06
Ru 83		OPNCL	VEL	09 49.0	-54 34	09.8	99.9	426	25
NGC 3000		2STAR	UMA	09 49.1	+44 08	99.9	99.9	071	06
NGC 3017		GALXY	SEX	09 49.1	-02 50	13.1	13.0	233	12
NGC 3004		2STAR	UMA	09 49.2	+44 07	99.9	99.9	071	06
NGC 3005		GALXY	UMA	09 49.2	+44 08	16.0	99.9	071	06
NGC 3014		GALXY	SEX	09 49.2	-04 44	14.0	99.9	233	12
Ru 84		OPNCL	CAR	09 49.2	-65 16	99.9	99.9	448	25
NGC 3006		GALXY	UMA	09 49.3	+44 01	15.6	99.9	071	06
NGC 3036		OPNCL	CAR	09 49.3	-62 41	99.9	99.9	448	25
NGC 3015		GALXY	SEX	09 49.4	+01 08	13.9	12.0	233	12
IC 2511		GALXY	ANT	09 49.5	-32 51	12.1	12.5	365	20
NGC 3025		GALXY	HYA	09 49.5	-21 45	12.9	13.4	323	20
NGC 3008		GALXY	UMA	09 49.6	+44 05	15.4	99.9	071	06
NGC 3018		GALXY	SEX	09 49.7	+00 37	13.3	12.9	233	12
NGC 3016		GALXY	LEO	09 49.7	+12 42	12.9	12.9	188	12
NGC 3011		GALXY	LEO	09 49.7	+32 13	13.3	12.8	104	06
NGC 3012		GALXY	LMI	09 49.8	+34 42	13.5	13.6	104	06
NGC 3022		GALXY	SEX	09 49.8	-05 09	14.0	99.9	233	12
NGC 3023		GALXY	SEX	09 49.9	+00 37	13.5	99.9	233	12
NGC 3028		GALXY	HYA	09 49.9	-19 10	12.7	12.8	323	12
NGC 3019		GALXY	LEO	09 50.0	+12 44	15.0	99.9	188	12
NGC 3020	H III 51	GALXY	LEO	09 50.1	+12 49	11.9	13.5	188	12
NGC 3013		GALXY	LMI	09 50.1	+33 34	15.6	99.9	104	06
NGC 3009	UGC 5264	GALXY	UMA	09 50.2	+44 18	13.5	12.7	071	06
NGC 3030		GALXY	HYA	09 50.2	-12 14	15.0	99.9	278	12
NGC 3059		GALXY	CAR	09 50.2	-73 55	11.0	13.5	465	25
UGC 5272		GALXY	LEO	09 50.3	+31 29	14.1	14.5	104	06

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NGC 2985	H I 78	GALXY	UMA	09 50.3	+72 17	10.4	13.3	023	02
NGC 3024	H III 52	GALXY	LEO	09 50.5	+12 46	13.1	12.9	188	12
NGC 3010	UGC 5273	GALXY	UMA	09 50.6	+44 20	14.3	99.9	071	06
NGC 3026		GALXY	LEO	09 50.9	+28 33	13.0	13.7	104	06
NGC 3021	H I 115	GALXY	LMI	09 51.0	+33 33	12.1	12.3	104	06
Pismis 16		OPNCL	VEL	09 51.1	-53 11	08	99.9	426	25
NGC 3038		GALXY	ANT	09 51.3	-32 45	11.6	12.7	365	20
NGC 3037		GALXY	HYA	09 51.4	-27 02	13.1	13.3	323	20
NGC 3035		GALXY	SEX	09 51.8	-06 49	13.5	99.9	278	12
NGC 3032		GALXY	LEO	09 52.1	+29 14	12.5	13.8	104	06
Hogg 2		OPNCL	VEL	09 52.4	-56 10	99.9	99.9	426	25
NGC 3039	UGC 5297	GALXY	SEX	09 52.5	+02 09	13.4	13.0	234	12
NGC 3040	UGC 5300	GALXY	LEO	09 53.0	+19 26	14.2	99.9	144	12
NGC 3041	H II 98	GALXY	LEO	09 53.1	+16 41	11.5	13.8	189	12
NGC 3045		GALXY	HYA	09 53.2	-18 39	14.0	99.9	324	12
NGC 3046		1STAR	ANT	09 53.3	-27 19	99.9	99.9	324	20
NGC 3042	UGC 5307	GALXY	SEX	09 53.4	+00 42	12.9	12.6	234	12
NGC 3058	IC 573	GALXY	HYA	09 53.5	-12 30	15.0	99.9	279	12
NGC 3044	H III 254	GALXY	SEX	09 53.7	+01 35	11.9	13.1	234	12
NGC 3051		GALXY	ANT	09 53.8	-27 17	11.8	13.2	324	20
NGC 3052	H III 272	GALXY	HYA	09 54.5	-18 38	12.2	13.1	324	12
NGC 3054		GALXY	HYA	09 54.5	-25 42	11.8	14.0	324	20
NGC 3056		GALXY	ANT	09 54.5	-28 18	11.7	12.3	365	20
NGC 3047	UGC 5323	GALXY	SEX	09 54.6	-01 18	14.2	99.9	234	12
NGC 3047A	UGC 5323	GALXY	SEX	09 54.6	-01 18	14.2	99.9	234	12
Cr 213		OPNCL	VEL	09 54.7	-50 43	09.2	99.9	426	25
NGC 3049		GALXY	LEO	09 54.8	+09 16	12.1	13.2	189	12
NGC 3048		GALXY	LEO	09 55.0	+16 28	15.2	99.9	189	12
IC 2522		GALXY	ANT	09 55.2	-33 08	11.9	13.6	365	20
NGC 3055	H VI 4	GALXY	SEX	09 55.3	+04 16	12.1	13.0	234	12
NGC 3053	H III 600	GALXY	LEO	09 55.6	+16 26	12.7	13.1	189	12
NGC 3031	M 81	GALXY	UMA	09 55.6	+69 04	06.9	13.2	023	02
NGC 3064		GALXY	SEX	09 55.6	-06 22	14.5	99.9	279	12
NGC 3027	H V 23	GALXY	UMA	09 55.7	+72 12	11.8	13.9	023	02
NGC 3034	M 82	GALXY	UMA	09 55.8	+69 41	08.4	12.5	023	02
NGC 3043	H II 835	GALXY	UMA	09 56.2	+59 18	12.6	12.5	045	02
NGC 3061	H II 903?	GALXY	DRA	09 56.2	+75 52	12.8	13.6	008	02
NGC 3060	H III 601	GALXY	LEO	09 56.4	+16 51	13.0	13.1	189	12
Ru 160		OPNCL	VEL	09 56.4	-45 27	99.9	99.9	398	20
NGC 3062		GALXY	SEX	09 56.6	+01 26	14.7	12.5	234	12
UGC 5340		GALXY	LEO	09 56.7	+28 50	14.5	15.4	104	06
NGC 3072	H III 273	GALXY	HYA	09 57.6	-19 21	12.7	12.7	324	12
NGC 3076		GALXY	HYA	09 57.7	-18 11	13.1	12.8	324	12
NGC 3069	IC 580	GALXY	LEO	09 57.9	+10 27	14.1	12.6	189	12
NGC 3070	H II 59	GALXY	LEO	09 58.0	+10 22	12.3	13.1	189	12
UGC 5349	MCG +06-22-043	GALXY	LMI	09 58.1	+37 18	13.7	14.4	104	06
NGC 3067	H II 492	GALXY	LEO	09 58.4	+32 22	12.1	12.8	104	06
NGC 3078	H II 268	GALXY	HYA	09 58.4	-26 56	11.1	12.9	324	20
NGC 3068	H III 293	GALXY	LEO	09 58.5	+28 53	15.1	99.9	104	06

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Hogg 3		OPNCL	VEL	09 58.8	-53 49	99.9	99.9	426	25
NGC 3071		GALXY	LEO	09 58.9	+31 37	14.3	99.9	104	06
NGC 3082		GALXY	ANT	09 58.9	-30 20	12.5	12.5	365	20
Hogg 4		OPNCL	VEL	09 58.9	-53 53	99.9	99.9	426	25
NGC 3075	UGC 5360	GALXY	LEO	09 59.0	+14 25	13.6	13.4	189	12
NGC 3084	IC 2528	GALXY	ANT	09 59.0	-27 08	12.3	12.9	324	20
NGC 3087		GALXY	ANT	09 59.2	-34 13	11.6	13.3	365	20
UGC 5364	Leo III	GALXY	LEO	09 59.4	+30 45	12.6	15.4	104	06
NGC 3081	IC 2529,H III 596	GALXY	HYA	09 59.5	-22 50	12.0	13.1	324	20
NGC 3085		GALXY	HYA	09 59.6	-19 29	13.0	11.9	324	12
NGC 3089		GALXY	ANT	09 59.6	-28 20	12.4	12.9	365	20
NGC 3074	H III 542	GALXY	LMI	09 59.7	+35 24	12.7	14.2	104	06
NGC 3080	H III 934	GALXY	LEO	09 59.9	+13 03	13.4	12.9	189	12
IC 2531	ESO 435-G025	GALXY	ANT	09 59.9	-29 37	12.0	13.3	365	20
NGC 3083		GALXY	SEX	09 59.9	-02 52	13.7	12.4	234	12
UGC 5373	Sextans B dwarf	GALXY	SEX	10 00.0	+05 20	11.3	14.3	234	13
NGC 3095		GALXY	ANT	10 00.1	-31 33	11.7	13.7	365	20
NGC 3086		GALXY	SEX	10 00.2	-02 58	13.9	12.8	234	13
NGC 3091	H II 293	GALXY	HYA	10 00.2	-19 38	11.1	13.0	324	13
NGC 3090		GALXY	SEX	10 00.6	-02 57	12.6	13.5	234	13
NGC 3096		GALXY	HYA	10 00.7	-19 39	13.4	13.0	324	13
NGC 3100	ESO 435-G030	GALXY	ANT	10 00.7	-31 40	11.1	12.8	365	20
NGC 3103		GALXY	ANT	10 00.7	-31 40	99.9	99.9	365	20
NGC 3105		OPNCL	VEL	10 00.8	-54 46	09.7	99.9	426	25
NGC 3073	H III 853	GALXY	UMA	10 00.9	+55 37	13.4	13.7	045	02
NGC 3092		GALXY	SEX	10 00.9	-03 00	13.3	12.9	234	13
NGC 3093		GALXY	SEX	10 01.0	-02 57	14.2	12.6	234	13
NGC 3088A	H III 24	GALXY	LEO	10 01.1	+22 24	14.7	99.9	144	06
NGC 3088B	UGC 5384	GALXY	LEO	10 01.1	+22 24	15.4	99.9	144	06
NGC 3094		GALXY	LEO	10 01.5	+15 47	12.3	13.3	189	13
NGC 3063		2STAR	UMA	10 01.6	+72 08	99.9	99.9	023	02
Ru 86		OPNCL	CAR	10 01.6	-59 28	99.9	99.9	426	25
UGC 5393		GALXY	LMI	10 01.7	+33 08	14.0	14.7	104	06
NGC 3101		GALXY	SEX	10 01.7	-02 59	14.4	13.1	234	13
NGC 3065	H II 333	GALXY	UMA	10 01.9	+72 10	12.5	13.5	023	02
NGC 3079	H V 47	GALXY	UMA	10 02.0	+55 41	10.9	13.4	045	02
NGC 3066	H II 909	GALXY	UMA	10 02.2	+72 07	12.9	12.9	023	02
NGC 3098		GALXY	LEO	10 02.3	+24 43	12.0	12.2	144	06
NGC 3108		GALXY	ANT	10 02.6	-31 41	11.8	13.3	365	20
vdB-Ha 84		OPNCL	VEL	10 02.6	-56 18	99.9	99.9	426	25
NGC 3099A	NGC 3099 (CGCG)	GALXY	LMI	10 02.7	+32 42	15.4	99.9	104	06
NGC 3099B		GALXY	LMI	10 02.7	+32 42	16.0	99.9	104	06
Ru 85		OPNCL	VEL	10 02.7	-53 26	99.9	99.9	426	25
NGC 3114		OPNCL	CAR	10 02.7	-60 07	04.2	99.9	426	25
vdB-Ha 85		OPNCL	VEL	10 02.9	-48 50	99.9	99.9	399	20
NGC 3109		GALXY	HYA	10 03.1	-26 09	09.9	14.4	324	20
NGC 3107	H II 898	GALXY	LEO	10 03.3	+13 38	13.4	12.4	189	13
NGC 3077	H I 286	GALXY	UMA	10 03.3	+68 44	09.9	13.1	023	02
NGC 3136A		GALXY	CAR	10 03.3	-67 27	15.0	14.5	448	25

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NGC 3149		UVSOB	CHA	10 03.8	-80 25	99.9	99.9	465	25
NGC 3106	H II 320	GALXY	LMI	10 03.9	+31 11	12.4	13.5	104	06
NGC 3104	H IV 48	GALXY	LMI	10 03.9	+40 45	13.1	15.1	072	06
UGC 5408	Mrk 25	GALXY	UMA	10 03.9	+59 26	14.1	99.9	045	02
IC 2537		GALXY	ANT	10 03.9	-27 34	12.1	13.6	324	20
PK283- 4.1	He2-39	PLNNB	CAR	10 03.9	-60 45	12.8	99.9	426	25
NGC 3112		GALXY	HYA	10 04.0	-20 46	99.9	99.9	324	20
NGC 3110	NGC 3122	GALXY	SEX	10 04.1	-06 28	13.5	99.9	279	13
NGC 3097		NONEX	UMA	10 04.3	+60 08	99.9	99.9	045	02
vdB-Ha 87		OPNCL	VEL	10 04.3	-55 03	99.9	99.9	426	25
UGC 5425		GALXY	LEO	10 04.4	+13 37	13.4	12.4	189	13
NGC 3113		GALXY	ANT	10 04.4	-28 27	12.7	14.1	365	20
NGC 3102	H III 916	GALXY	UMA	10 04.6	+60 07	13.3	12.6	045	02
vdB-Ha 88		OPNCL	VEL	10 04.6	-50 55	99.9	99.9	426	25
Schuster 1		OPNCL	VEL	10 04.6	-54 38	99.9	99.9	426	25
Tr 11	Cr 216	OPNCL	CAR	10 05.0	-61 37	08.1	99.9	448	25
NGC 3115	H I 163	GALXY	SEX	10 05.2	-07 43	08.9	11.9	279	13
RCW 47		BRTNB	CAR	10 05.2	-58 57	99.9	99.9	426	25
NGC 3120		GALXY	ANT	10 05.4	-34 13	12.8	13.5	365	20
Pal 3		GLOCL	SEX	10 05.5	+00 04	14.7	99.9	234	13
UGC 5423		GALXY	UMA	10 05.5	+70 22	14.7	13.8	023	02
NGC 3057	H III 978	GALXY	DRA	10 05.6	+80 17	13.0	14.0	008	02
NGC 3136		GALXY	CAR	10 05.8	-67 23	10.7	12.7	448	25
NGC 3128		GALXY	HYA	10 05.9	-16 07	14.0	99.9	279	13
NGC 3117		GALXY	SEX	10 06.2	+02 54	13.3	13.0	234	13
NGC 3111	UGC 5441	GALXY	UMA	10 06.2	+47 16	13.0	12.5	072	06
NGC 3127		GALXY	HYA	10 06.3	-16 07	14.0	99.9	279	13
Hogg 5		OPNCL	CAR	10 06.3	-60 07	99.9	99.9	426	25
Tr 12	Cr 217	OPNCL	CAR	10 06.4	-60 19	08.8	99.9	426	25
NGC 3122	NGC 3110	GALXY	SEX	10 06.5	-06 32	99.9	99.9	279	13
Hogg 6		OPNCL	CAR	10 06.5	-59 59	99.9	99.9	426	25
NGC 3119		GALXY	LEO	10 06.6	+14 19	15.3	99.9	189	13
NGC 3116		GALXY	LMI	10 06.6	+31 06	15.3	99.9	104	06
NGC 3125		GALXY	ANT	10 06.6	-29 56	13.0	12.8	365	20
NGC 3124		GALXY	HYA	10 06.7	-19 13	12.1	14.2	324	13
NGC 3121	UGC 5450	GALXY	LEO	10 06.8	+14 23	12.6	13.5	189	13
NGC 3123		NONEX	SEX	10 07.0	+00 04	99.9	99.9	234	13
NGC 3132	PK272+12.1	PLNNB	VEL	10 07.0	-40 26	08.2	99.9	399	20
NGC 3133		GALXY	HYA	10 07.2	-11 57	99.9	99.9	279	13
NGC 3118		GALXY	LMI	10 07.3	+33 02	13.5	13.3	104	06
PK286- 6.1		PLNNB	CAR	10 07.4	-63 55	99.9	99.9	448	25
IC 591	UGC 5458	GALXY	LEO	10 07.5	+12 16	13.1	12.6	189	13
Ru 161		OPNCL	CAR	10 08.0	-61 12	99.9	99.9	448	25
UGC 5460		GALXY	UMA	10 08.1	+51 50	12.9	14.5	045	02
UGC 5459	MCG +09-17-027	GALXY	UMA	10 08.1	+53 05	12.6	13.8	045	02
NGC 3130	UGC 5468	GALXY	LEO	10 08.2	+09 59	13.4	12.6	189	13
NGC 3126		GALXY	LMI	10 08.2	+31 52	12.8	13.1	104	06
UGC 5470	Leo I	GALXY	LEO	10 08.4	+12 18	10.2	14.8	189	13
NGC 3129	H III 65	NONEX	LEO	10 08.4	+18 25	99.9	99.9	144	13

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NGC 3131	UGC 5471	GALXY	LEO	10 08.7	+18 15	13.0	13.4	144	13
NGC 3138		GALXY	HYA	10 09.1	-11 58	15.0	99.9	279	13
NGC 3137		GALXY	ANT	10 09.2	-29 04	11.5	14.2	365	20
NGC 3141		NONEX	HYA	10 09.3	-16 38	99.9	99.9	279	13
IC 2553	PK285-5.1	PLNNB	CAR	10 09.3	-62 35	13.0	99.9	448	25
NGC 3134		NONEX	LEO	10 09.5	+12 20	99.9	99.9	189	13
UGC 5478		GALXY	LMI	10 09.5	+30 09	14.2	15.1	104	06
NGC 3140		GALXY	HYA	10 09.5	-16 37	14.0	13.0	279	13
NGC 3195	PK296-20.1	PLNNB	CHA	10 09.5	-80 52	99.9	99.9	465	25
NGC 3142		GALXY	SEX	10 10.1	-08 29	14.0	99.9	279	13
NGC 3139		GALXY	HYA	10 10.1	-11 47	15.0	99.9	279	13
NGC 3143		GALXY	HYA	10 10.1	-12 35	14.3	13.4	279	13
NGC 3145	H III 518	GALXY	HYA	10 10.2	-12 26	11.7	13.3	279	13
NGC 3135		GALXY	UMA	10 10.9	+45 58	13.4	12.5	072	06
UA 205	Sextans A	GALXY	SEX	10 11.0	-04 43	11.5	15.0	234	13
NGC 3146		GALXY	HYA	10 11.2	-20 52	13.1	12.8	324	20
NGC 3136B		GALXY	CAR	10 11.3	-66 58	11.7	12.0	448	25
NGC 3157		GALXY	ANT	10 11.8	-31 38	13.2	13.3	365	20
vdB-Ha 96		OPNCL	CAR	10 11.9	-58 05	10.3	99.9	426	25
vdB-Ha 90		OPNCL	VEL	10 12.1	-56 25	10.3	99.9	426	25
NGC 3156	H III 255	GALXY	SEX	10 12.7	+03 08	12.3	13.0	234	13
NGC 3153	H III 53	GALXY	LEO	10 12.9	+12 40	12.6	13.3	189	13
NGC 3154	UGC 5507	GALXY	LEO	10 13.1	+17 03	14.3	99.9	144	13
PK278+ 5.1		PLNNB	VEL	10 13.3	-50 20	99.9	99.9	426	25
NGC 3150		GALXY	LMI	10 13.4	+38 41	15.4	99.9	104	06
NGC 3148		GALXY	UMA	10 13.4	+50 28	16.0	99.9	045	02
NGC 3165	UGC 5512	GALXY	SEX	10 13.5	+03 23	13.9	14.0	234	13
NGC 3162	H II 43	GALXY	LEO	10 13.5	+22 44	11.6	13.7	144	06
NGC 3151		GALXY	LMI	10 13.5	+38 37	13.8	13.5	104	06
NGC 3152		GALXY	LMI	10 13.6	+38 50	14.2	13.5	104	06
NGC 3166	H I 3	GALXY	SEX	10 13.8	+03 26	10.4	12.9	234	13
NGC 3158	H II 639	GALXY	LMI	10 13.8	+38 46	11.9	13.3	104	06
UGC 5522		GALXY	LEO	10 13.9	+07 01	12.6	14.3	189	13
NGC 3159		GALXY	LMI	10 13.9	+38 39	13.6	15.2	104	06
NGC 3160	UGC 5513	GALXY	LMI	10 13.9	+38 52	15.2	99.9	104	06
NGC 3161		GALXY	LMI	10 14.0	+38 39	13.5	14.8	104	06
NGC 3163	H II 640	GALXY	LMI	10 14.1	+38 39	13.3	14.0	104	06
NGC 3169	H I 4	GALXY	SEX	10 14.2	+03 28	10.2	12.8	234	13
NGC 3197	H III 966	GALXY	DRA	10 14.4	+77 49	13.5	13.6	008	02
NGC 3173		GALXY	ANT	10 14.5	-27 41	12.8	14.1	324	20
NGC 3167		NONEX	LMI	10 14.6	+29 36	99.9	99.9	104	06
NGC 3175		GALXY	ANT	10 14.7	-28 52	11.2	13.2	365	20
NGC 3164	UGC 5527	GALXY	UMA	10 15.2	+56 41	13.6	12.8	045	02
NGC 3176		NONEX	HYA	10 15.3	-19 01	99.9	99.9	324	13
NGC 3144		GALXY	DRA	10 15.5	+74 13	13.4	13.1	008	02
Ru 87		OPNCL	VEL	10 15.5	-50 43	99.9	99.9	426	25
NGC 3171		GALXY	HYA	10 15.6	-20 39	12.8	13.3	324	20
PK283- 1.1	Hoffleit 4	PLNNB	CAR	10 15.6	-58 51	11.8	99.9	426	25
UGC 5539		GALXY	SEX	10 15.9	+02 41	14.3	99.9	234	13

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NGC 3170		NONEX	UMA	10 16.1	+46 36	99.9	99.9	072	06
NGC 3178		GALXY	HYA	10 16.1	-15 47	13.0	99.9	279	13
NGC 3168	UGC 5536	GALXY	UMA	10 16.4	+60 14	13.4	13.3	045	02
NGC 3177	H III 25	GALXY	LEO	10 16.6	+21 07	12.4	12.8	144	06
NGC 3147	H I 79	GALXY	DRA	10 16.9	+73 24	10.6	13.3	008	02
NGC 3199		BRTNB	CAR	10 17.1	-57 55	99.9	99.9	426	25
vdB-Ha 91		OPNCL	CAR	10 17.5	-57 47	99.9	99.9	426	25
NGC 3186		GALXY	LEO	10 17.6	+06 57	15.0	99.9	189	13
NGC 3185		GALXY	LEO	10 17.6	+21 41	12.2	13.4	144	06
NGC 3155		GALXY	DRA	10 17.6	+74 21	12.9	13.1	008	02
NGC 3201	Dunlop 445	GLOCL	VEL	10 17.6	-46 25	06.8	99.9	399	20
NGC 3187		GALXY	LEO	10 17.8	+21 52	13.4	14.7	144	06
NGC 3211	PK286-4.1	PLNNB	CAR	10 17.8	-62 40	11.8	99.9	449	25
NGC 3179		GALXY	UMA	10 18.0	+41 06	13.1	13.0	072	06
NGC 3190	H II 44	GALXY	LEO	10 18.1	+21 50	11.1	13.1	144	06
NGC 3180		NONEX	UMA	10 18.1	+41 25	99.9	99.9	072	06
NGC 3189	NGC 3190	NONEX	LEO	10 18.2	+21 50	99.9	99.9	144	06
NGC 3181		NONEX	UMA	10 18.2	+41 24	99.9	99.9	072	06
NGC 3184	H I 168	GALXY	UMA	10 18.3	+41 25	09.8	13.9	072	06
NGC 3193	H II 45	GALXY	LEO	10 18.4	+21 54	10.9	13.1	144	06
NGC 3200		GALXY	HYA	10 18.6	-17 59	12.0	13.7	324	13
NGC 3196	H III 348	GALXY	LEO	10 18.8	+27 40	15.7	99.9	144	06
NGC 3192	H III 704	GALXY	UMA	10 19.0	+46 27	16.0	99.9	072	06
NGC 3191	UGC 5565	GALXY	UMA	10 19.1	+46 28	13.3	12.4	072	06
vdB-Ha 92		OPNCL	VEL	10 19.2	-56 04	99.9	99.9	426	25
NGC 3182	H I 265	GALXY	UMA	10 19.5	+58 12	12.1	13.1	045	02
NGC 3203		GALXY	HYA	10 19.6	-26 42	12.1	12.6	324	20
NGC 3188	H III 910	GALXY	UMA	10 19.7	+57 25	13.7	13.3	045	02
NGC 3208		GALXY	HYA	10 19.7	-25 51	12.7	13.7	324	20
Ru 88		OPNCL	CAR	10 19.7	-61 25	99.9	99.9	449	25
NGC 3198	H I 199	GALXY	UMA	10 19.9	+45 33	10.3	13.8	072	06
NGC 3204	UGC 5580	GALXY	LEO	10 20.2	+27 49	13.5	13.6	144	06
NGC 3202	H II 720	GALXY	UMA	10 20.5	+43 01	13.2	13.1	072	06
NGC 3209	UGC 5584	GALXY	LEO	10 20.6	+25 29	12.7	13.1	144	06
NGC 3205	H II 721	GALXY	UMA	10 20.8	+42 57	13.2	13.5	072	06
NGC 3174	NGC 3144	NONEX	DRA	10 20.8	+75 09	99.9	99.9	008	02
UGC 5588		GALXY	LEO	10 20.9	+25 22	14.0	12.0	144	06
NGC 3207	H II 722	GALXY	UMA	10 21.0	+42 58	13.2	13.1	072	06
NGC 3213		GALXY	LEO	10 21.3	+19 39	13.5	13.3	144	13
NGC 3217		NONEX	LEO	10 21.4	+10 53	99.9	99.9	189	13
NGC 3223	IC 2571	GALXY	ANT	10 21.6	-34 16	11.0	13.3	366	20
NGC 3224		GALXY	ANT	10 21.6	-34 42	12.0	13.2	366	20
NGC 3216	H III 330	GALXY	LEO	10 21.7	+23 54	13.4	13.6	144	06
NGC 3206	H I 266	GALXY	UMA	10 21.8	+56 56	11.9	13.6	045	02
NGC 3183	H I 283	GALXY	DRA	10 21.8	+74 10	11.9	13.0	008	02
NGC 3228		OPNCL	VEL	10 21.8	-51 43	06	99.9	426	25
NGC 3233		GALXY	HYA	10 22.0	-22 16	12.5	12.8	324	20
NGC 3221	UGC 5601	GALXY	LEO	10 22.3	+21 34	13.1	13.8	144	06
NGC 3222	UGC 5610	GALXY	LEO	10 22.6	+19 53	12.8	13.0	144	13

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NGC 3219		GALXY	LMI	10 22.7	+38 34	15.4	99.9	105	06
NGC 3194	NGC 3155	NONEX	DRA	10 23.0	+74 47	99.9	99.9	008	02
NGC 3214		GALXY	UMA	10 23.1	+57 02	13.9	13.9	045	02
PK285- 2.1		PLNNB	CAR	10 23.2	-60 33	99.9	99.9	426	25
NGC 3229		2STAR	SEX	10 23.4	+00 04	99.9	99.9	234	13
NGC 3226	H II 28	GALXY	LEO	10 23.4	+19 53	11.4	13.8	144	13
NGC 3227	H II 29	GALXY	LEO	10 23.5	+19 52	10.3	13.4	144	13
NGC 3230	UGC 5624	GALXY	LEO	10 23.7	+12 33	12.8	13.7	189	13
NGC 3220	H III 911	GALXY	UMA	10 23.7	+57 02	13.0	12.9	045	02
Tr 13	Cr 219	OPNCL	CAR	10 23.8	-60 05	11.3	99.9	426	25
Westr 2		OPNCL	CAR	10 23.9	-57 45	10.5	99.9	426	25
UGC 5612		GALXY	UMA	10 24.0	+70 53	12.1	14.2	024	02
NGC 3232		GALXY	LMI	10 24.3	+28 01	14.2	13.1	105	06
NGC 3241		GALXY	ANT	10 24.3	-32 29	12.2	13.4	366	20
NGC 3240		GALXY	HYA	10 24.5	-21 47	13.2	13.1	325	20
UGC 5633		GALXY	LEO	10 24.7	+14 45	13.7	15.7	190	13
NGC 3242	H IV 27	PLNNB	HYA	10 24.8	-18 38	08.6	99.9	325	13
NGC 3234		NONEX	LEO	10 24.9	+27 01	99.9	99.9	145	06
NGC 3235	UGC 5635	GALXY	LMI	10 24.9	+28 01	13.3	13.3	105	06
NGC 3239	H IV 10	GALXY	LEO	10 25.1	+17 10	11.3	14.2	145	13
NGC 3225	H II 882	GALXY	UMA	10 25.1	+58 09	12.6	13.3	045	02
NGC 3244		GALXY	ANT	10 25.5	-39 50	12.3	13.4	399	20
NGC 3237	H III 631	GALXY	UMA	10 25.8	+39 39	13.0	13.4	072	06
NGC 3256A		GALXY	VEL	10 25.9	-43 45	14.5	14.2	399	20
NGC 3247		OPNCL	CAR	10 25.9	-57 56	07.6	99.9	426	25
NGC 3249		GALXY	ANT	10 26.3	-34 58	13.1	13.8	366	20
NGC 3243		GALXY	SEX	10 26.4	-02 38	12.6	13.0	235	13
RCW 50		BRTNB	CAR	10 26.4	-57 09	99.9	99.9	426	25
NGC 3218	NGC 3183	NONEX	DRA	10 26.5	+74 39	99.9	99.9	008	02
NGC 3250		GALXY	ANT	10 26.5	-39 57	11.1	13.0	399	20
NGC 3255		OPNCL	CAR	10 26.5	-60 40	11.0	99.9	426	25
NGC 3246		GALXY	SEX	10 26.7	+03 52	12.7	13.8	235	13
NGC 3238	H II 883	GALXY	UMA	10 26.7	+57 14	12.9	13.4	045	02
NGC 3231		NONEX	UMA	10 26.7	+66 48	99.9	99.9	024	02
NGC 3236		GALXY	UMA	10 26.8	+61 16	15.3	99.9	024	02
NGC 3245A	UGC 5662	GALXY	LMI	10 27.0	+28 38	13.9	13.9	105	06
NGC 3210	H III 979	NONEX	DRA	10 27.0	+79 50	99.9	99.9	008	02
NGC 3245	H I 86	GALXY	LMI	10 27.3	+28 30	10.8	12.6	105	06
IC 2581	Cr 222	OPNCL	CAR	10 27.4	-57 38	04.3	99.9	426	25
NGC 3250C		GALXY	ANT	10 27.7	-40 01	13.3	13.2	399	20
NGC 3250B		GALXY	VEL	10 27.7	-40 26	12.7	12.9	399	20
NGC 3248	H II 347	GALXY	LEO	10 27.8	+22 50	12.4	13.4	145	06
NGC 3256		GALXY	VEL	10 27.8	-43 54	11.5	13.6	399	20
NGC 3250D		GALXY	ANT	10 27.9	-39 49	13.3	12.4	399	20
NGC 3250A		GALXY	ANT	10 27.9	-40 05	14.8	13.2	399	20
NGC 3212	H III 980	GALXY	DRA	10 28.1	+79 47	13.1	13.5	008	02
NGC 3258A		GALXY	ANT	10 28.3	-35 28	13.2	12.4	366	20
IC 2574	UGC 5666	GALXY	UMA	10 28.4	+68 25	10.4	14.8	024	02
NGC 3253	UGC 5674	GALXY	LEO	10 28.5	+12 42	13.6	13.8	190	13

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PK285- 1.1		PLNNB	CAR	10 28.5	-59 03	99.9	99.9	426	25
NGC 3257		GALXY	ANT	10 28.8	-35 40	13.1	12.9	366	20
NGC 3258		GALXY	ANT	10 28.9	-35 36	11.5	13.6	366	20
NGC 3215	H III 981	GALXY	DRA	10 29.0	+79 46	13.0	13.0	008	02
NGC 3250E		GALXY	ANT	10 29.0	-40 06	12.5	13.5	399	20
NGC 3261		GALXY	VEL	10 29.0	-44 39	11.2	13.6	399	20
Ru 89		OPNCL	VEL	10 29.0	-56 20	99.9	99.9	426	25
NGC 3260		GALXY	ANT	10 29.1	-35 36	12.6	12.8	366	20
NGC 3256C		GALXY	VEL	10 29.1	-43 51	12.7	13.2	399	20
NGC 3256B		GALXY	VEL	10 29.1	-44 23	13.1	12.9	399	20
NGC 3262		GALXY	VEL	10 29.2	-44 10	13.2	13.1	399	20
NGC 3251	IC 2579	GALXY	LEO	10 29.3	+26 05	13.3	12.9	145	06
NGC 3254	H I 72	GALXY	LMI	10 29.3	+29 30	11.7	13.8	105	06
NGC 3263		GALXY	VEL	10 29.3	-44 08	11.9	13.9	399	20
Hogg 7		OPNCL	CAR	10 29.5	-59 47	99.9	99.9	426	25
NGC 3267		GALXY	ANT	10 29.8	-35 19	12.5	13.1	366	20
NGC 3269		GALXY	ANT	10 30.0	-35 13	12.2	13.2	366	20
NGC 3268		GALXY	ANT	10 30.0	-35 20	11.4	13.8	366	20
NGC 3275A		GALXY	ANT	10 30.0	-36 42	99.9	99.9	366	20
NGC 3258B		GALXY	ANT	10 30.3	-35 33	99.9	99.9	366	20
UGC 5688		GALXY	UMA	10 30.4	+70 04	13.2	15.3	024	02
NGC 3271	IC 2585	GALXY	ANT	10 30.5	-35 22	11.8	13.5	366	20
NGC 3273		GALXY	ANT	10 30.5	-35 37	12.5	12.6	366	20
Cr 223		OPNCL	CAR	10 30.5	-59 49	09.4	99.9	427	25
NGC 3275		GALXY	ANT	10 30.9	-36 44	11.8	13.6	366	20
Ru 90		OPNCL	CAR	10 31.0	-58 14	99.9	99.9	427	25
NGC 3265	H III 349	GALXY	LMI	10 31.1	+28 48	12.9	13.1	105	06
NGC 3276		GALXY	ANT	10 31.1	-39 57	13.4	12.7	399	20
UGC 5708		GALXY	SEX	10 31.2	+04 29	13.2	13.9	235	13
UGC 5707	MCG +07-22-016	GALXY	UMA	10 31.3	+43 08	13.4	14.8	072	06
NGC 3258C		GALXY	ANT	10 31.3	-35 13	13.7	13.6	366	20
NGC 3270	H III 331	GALXY	LEO	10 31.5	+24 51	13.1	13.9	145	06
PK282+ 3.1		PLNNB	VEL	10 31.5	-53 33	14.8	99.9	427	25
NGC 3278		GALXY	ANT	10 31.6	-39 57	12.3	12.4	399	20
PK283+ 2.1	Mayall 60	PLNNB	VEL	10 31.6	-55 20	13.3	99.9	427	25
NGC 3281A		GALXY	ANT	10 31.8	-35 13	99.9	99.9	366	20
NGC 3258D		GALXY	ANT	10 31.8	-35 24	13.2	13.4	366	20
NGC 3281		GALXY	ANT	10 31.9	-34 51	11.7	13.4	366	20
NGC 3281B		GALXY	ANT	10 31.9	-35 13	99.9	99.9	366	20
NGC 3272		GALXY	LMI	10 32.2	+28 27	99.9	99.9	105	06
NGC 3274	H II 358	GALXY	LEO	10 32.3	+27 40	12.8	13.5	145	06
NGC 3282		GALXY	HYA	10 32.3	-22 18	13.0	13.0	325	20
NGC 3264	UGC 5719	GALXY	UMA	10 32.4	+56 05	12.0	13.2	046	02
NGC 3258E		GALXY	ANT	10 32.4	-34 59	14.6	13.7	366	20
UGC 5720	Mrk 33	GALXY	UMA	10 32.5	+54 24	14.4	14.5	046	02
NGC 3259	H II 870	GALXY	UMA	10 32.6	+65 03	12.1	13.0	024	02
NGC 3280A	NGC 3295,IC 617	GALXY	HYA	10 32.6	-12 39	16.0	99.9	280	13
NGC 3280B		GALXY	HYA	10 32.6	-12 39	16.0	99.9	280	13
NGC 3295	NGC 3280	GALXY	HYA	10 32.7	-12 38	99.9	99.9	280	13

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NGC 3280C		GALXY	HYA	10 32.7	-12 39	16.0	99.9	280	13
NGC 3296	IC 618	GALXY	HYA	10 32.7	-12 43	99.9	99.9	280	13
NGC 3277	H II 359	GALXY	LMI	10 32.9	+28 31	11.7	12.9	105	06
NGC 3281C		GALXY	ANT	10 32.9	-34 54	13.3	12.2	366	20
NGC 3283		UVSOB	VEL	10 32.9	-46 05	99.9	99.9	399	20
NGC 3285A		GALXY	HYA	10 33.0	-27 31	13.9	13.7	325	20
NGC 3297		GALXY	HYA	10 33.1	-12 40	99.9	99.9	280	13
NGC 3266	H II 871	GALXY	UMA	10 33.3	+64 45	12.4	13.1	024	02
NGC 3285		GALXY	HYA	10 33.6	-27 27	12.0	13.4	325	20
NGC 3281D		GALXY	ANT	10 34.2	-34 24	14.0	13.7	366	20
NGC 3289		GALXY	ANT	10 34.2	-35 20	12.5	12.6	366	20
PK283+ 3.1	He2-50	PLNNB	VEL	10 34.3	-53 41	14.7	99.9	427	25
NGC 3252	H III 316	GALXY	DRA	10 34.4	+73 46	13.5	13.6	008	02
NGC 3279		GALXY	LEO	10 34.6	+11 12	13.4	13.2	190	13
NGC 3285B		GALXY	HYA	10 34.7	-27 40	13.1	13.5	325	20
NGC 3287	UGC 5742	GALXY	LEO	10 34.8	+21 39	12.3	12.9	145	06
UGC 5740		GALXY	UMA	10 34.8	+50 45	14.6	15.3	046	02
NGC 3290		GALXY	HYA	10 35.1	-17 16	14.0	99.9	325	13
NGC 3366	IC 2592	GALXY	VEL	10 35.2	-43 41	11.3	12.1	399	20
NGC 3318A		GALXY	VEL	10 35.5	-41 45	15.1	14.4	399	20
NGC 3292		GALXY	SEX	10 35.6	-06 11	14.5	99.9	280	13
NGC 3302		GALXY	ANT	10 35.8	-32 22	12.5	13.1	366	20
NGC 3293		OPNCL	CAR	10 35.8	-58 14	04.7	99.9	427	25
Bochum 9		OPNCL	CAR	10 35.8	-60 08	06.3	99.9	427	25
PK288- 5.1	He2-51	PLNNB	CAR	10 35.8	-64 19	14.2	99.9	449	25
NGC 3284	H III 912	1STAR	UMA	10 36.0	+58 32	99.9	99.9	046	02
NGC 3291		NONEX	LMI	10 36.1	+37 15	99.9	99.9	105	06
NGC 3294	H I 164	GALXY	LMI	10 36.3	+37 20	11.8	13.7	105	06
NGC 3286	H III 917	GALXY	UMA	10 36.3	+58 37	13.6	12.5	046	02
NGC 3305		GALXY	HYA	10 36.3	-27 10	12.8	13.0	325	20
NGC 3307		GALXY	HYA	10 36.3	-27 32	14.5	13.1	325	20
NGC 3299	H III 54	GALXY	LEO	10 36.4	+12 42	12.8	14.1	190	13
NGC 3288	H III 918	GALXY	UMA	10 36.4	+58 33	14.0	13.8	046	02
NGC 3308		GALXY	HYA	10 36.4	-27 26	11.9	12.6	325	20
NGC 3300	H III 55	GALXY	LEO	10 36.6	+14 10	12.1	12.7	190	13
NGC 3309		GALXY	HYA	10 36.6	-27 31	11.6	12.8	325	20
UGC 5764		GALXY	LMI	10 36.7	+31 33	14.7	15.4	105	06
NGC 3311		GALXY	HYA	10 36.7	-27 32	11.6	14.1	325	20
Abell 1060	Hydra I	GALCL	HYA	10 36.8	-27 32	12.7	99.9	325	20
NGC 3301	H II 46	GALXY	LEO	10 36.9	+21 53	11.4	12.7	145	06
NGC 3312	IC 629	GALXY	HYA	10 37.0	-27 34	11.9	13.3	325	20
NGC 3303	H III 66	GALXY	LEO	10 37.1	+18 08	14.5	99.9	145	13
NGC 3306	UGC 5774	GALXY	LEO	10 37.2	+12 39	13.5	12.9	190	13
NGC 3298	H III 767	GALXY	UMA	10 37.2	+50 06	15.0	99.9	046	02
NGC 3314		GALXY	HYA	10 37.2	-27 41	14.0	99.9	325	20
NGC 3315	ESO 501-G048	GALXY	HYA	10 37.3	-27 12	13.4	13.3	325	20
NGC 3318		GALXY	VEL	10 37.3	-41 38	11.6	12.6	399	20
NGC 3324		OPNCL	CAR	10 37.3	-58 38	06.7	99.9	427	25
NGC 3317		NONEX	HYA	10 37.4	-27 29	99.9	99.9	325	20

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NGC 3313		GALXY	HYA	10 37.5	-25 19	11.4	14.0	325	20
NGC 3304	H III 615	GALXY	LMI	10 37.6	+37 27	13.4	13.2	105	06
NGC 3316		GALXY	HYA	10 37.6	-27 36	12.6	12.8	325	20
NGC 3318B		GALXY	VEL	10 37.7	-41 28	13.2	13.6	399	20
vdB-Ha 99		OPNCL	CAR	10 37.9	-59 12	99.9	99.9	427	25
UGC 5776	Mrk 149	GALXY	UMA	10 38.0	+64 16	14.4	12.5	024	02
NGC 3330		OPNCL	VEL	10 38.6	-54 09	07.4	99.9	427	25
PK285+ 1.1		PLNNB	VEL	10 38.6	-56 47	08.6	99.9	427	25
NGC 3310	H IV 60	GALXY	UMA	10 38.7	+53 30	10.8	12.8	046	02
NGC 3321	NGC 3322	GALXY	HYA	10 38.8	-11 39	14.0	99.9	280	13
NGC 3322	NGC 3321	GALXY	HYA	10 38.8	-11 39	99.9	99.9	280	13
NGC 3331		GALXY	HYA	10 39.0	-23 49	13.2	13.2	325	20
NGC 3319	H III 700	GALXY	UMA	10 39.2	+41 41	11.1	14.2	072	06
NGC 3325	UGC 5795	GALXY	SEX	10 39.3	-00 13	12.7	13.0	235	13
NGC 3326		GALXY	SEX	10 39.5	+05 06	13.7	12.4	235	13
NGC 3320	H II 745	GALXY	UMA	10 39.6	+47 24	12.3	13.0	072	06
NGC 3335		GALXY	HYA	10 39.6	-23 56	13.0	12.9	325	20
PK285+ 1.2	He2-53	PLNNB	VEL	10 39.6	-57 07	13.9	99.9	427	25
NGC 3328		NONEX	LEO	10 39.7	+09 13	99.9	99.9	190	13
NGC 3323		GALXY	LMI	10 39.7	+25 19	13.3	12.9	145	06
NGC 3333		GALXY	ANT	10 39.9	-36 03	13.2	12.7	366	20
NGC 3327	H II 348	GALXY	LMI	10 40.0	+24 05	13.4	13.1	145	06
NGC 3336		GALXY	HYA	10 40.3	-27 46	12.3	13.4	325	20
NGC 3347A		GALXY	ANT	10 40.3	-36 26	12.8	13.0	366	20
NGC 3332	H I 272?	GALXY	LEO	10 40.4	+09 11	12.3	13.0	190	13
NGC 3347C		GALXY	ANT	10 40.7	-36 18	14.2	14.7	366	20
MCG +01-27-026		GALXY	LEO	10 41.2	+06 22	12.5	99.9	190	13
PK285+ 2.1		PLNNB	VEL	10 41.3	-56 10	14.6	99.9	427	25
NGC 3334	H II 641	GALXY	LMI	10 41.4	+37 18	12.8	12.8	105	06
NGC 3337		GALXY	SEX	10 41.8	+04 59	15.3	99.9	235	13
NGC 3347B		GALXY	ANT	10 41.8	-36 56	13.2	14.0	366	20
NGC 3338	H II 77	GALXY	LEO	10 42.1	+13 45	11.1	14.2	190	13
Mel 101	Cr 101	OPNCL	CAR	10 42.1	-65 06	08	99.9	449	25
NGC 3339	NGC 3340	1STAR	SEX	10 42.2	-00 22	13.6	99.9	235	13
Bochum 10		OPNCL	CAR	10 42.2	-59 09	06.2	99.9	427	25
NGC 3340	NGC 3339	GALXY	SEX	10 42.3	-00 23	13.0	12.7	235	13
NGC 3436		GALXY	LEO	10 42.4	+07 56	99.9	99.9	190	13
NGC 3341		GALXY	SEX	10 42.6	+05 02	14.9	99.9	235	13
UGC 5829		GALXY	LMI	10 42.6	+34 27	13.5	16.6	105	06
NGC 3342	H III 5	1STAR	LEO	10 42.7	+09 26	99.9	99.9	190	13
NGC 3347		GALXY	ANT	10 42.8	-36 22	11.3	13.3	366	20
Cr 228		OPNCL	CAR	10 43.0	-60 01	04.4	99.9	427	25
UGC 5833	Mrk 416	GALXY	LEO	10 43.1	+20 25	14.8	99.9	145	06
NGC 3354		GALXY	ANT	10 43.1	-36 22	13.2	12.4	366	20
IC 2602	Cr 229	OPNCL	CAR	10 43.2	-64 24	01.9	99.9	449	25
NGC 3344	H I 81	GALXY	LMI	10 43.5	+24 55	09.9	13.9	145	06
NGC 3355		NONEX	HYA	10 43.5	-23 12	99.9	99.9	325	20
NGC 3345	H I 26?	2STAR	LEO	10 43.6	+11 59	99.9	99.9	190	13
NGC 3358		GALXY	ANT	10 43.6	-36 23	11.4	13.3	366	20

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NGC 3346	H V 7	GALXY	LEO	10 43.7	+14 52	11.7	13.7	190	13
NGC 3349		GALXY	LEO	10 43.8	+06 45	15.2	99.9	190	13
NGC 3372	Dunlop 309	BRTNB	CAR	10 43.8	-59 52	99.9	99.9	427	25
Tr 14	Cr 230	OPNCL	CAR	10 43.9	-59 34	05.5	99.9	427	25
NGC 3351	M 95	GALXY	LEO	10 44.0	+11 42	09.7	13.5	190	13
NGC 3356	H III 107	GALXY	LEO	10 44.2	+06 45	13.3	13.5	190	13
NGC 3352		GALXY	LEO	10 44.3	+22 22	12.6	13.1	145	06
NGC 3360		GALXY	SEX	10 44.3	-11 36	13.7	13.6	280	13
vdB-Ha 103		OPNCL	CAR	10 44.3	-64 20	99.9	99.9	449	25
NGC 3357		GALXY	LEO	10 44.4	+14 05	12.6	13.4	190	13
NGC 3350		GALXY	LMI	10 44.4	+30 43	14.3	99.9	105	06
UGC 5848		GALXY	UMA	10 44.4	+56 25	14.3	14.9	046	02
UGC 5846		GALXY	UMA	10 44.4	+60 22	14.9	15.4	046	02
NGC 3361		GALXY	SEX	10 44.4	-11 37	12.8	13.6	280	13
PK288- 2.1	Perek 1-3	PLNNB	CAR	10 44.5	-61 40	14.6	99.9	449	25
NGC 3329	UGC 5837	GALXY	DRA	10 44.7	+76 49	12.2	12.6	008	02
NGC 3362		GALXY	LEO	10 44.8	+06 36	12.8	13.1	190	13
Tr 15	Cr 231	OPNCL	CAR	10 44.8	-59 22	07	99.9	427	25
Cr 232		OPNCL	CAR	10 44.8	-59 34	06.8	99.9	427	25
Tr 16	Cr 233	OPNCL	CAR	10 45.1	-59 43	05	99.9	427	25
NGC 3363	UGC 5866	GALXY	LEO	10 45.3	+22 04	13.3	13.3	145	06
Cr 234		OPNCL	CAR	10 45.3	-59 45	07.5	99.9	427	25
NGC 3353	H III 842	GALXY	UMA	10 45.4	+55 58	12.8	12.9	046	02
NGC 3343	H III 317	GALXY	DRA	10 46.1	+73 21	13.4	13.6	008	02
NGC 3365		GALXY	SEX	10 46.3	+01 49	12.6	13.8	235	13
Gum 32	RCW 52	BRTNB	CAR	10 46.3	-58 39	99.9	99.9	427	25
NGC 3367	H II 78	GALXY	LEO	10 46.6	+13 45	11.5	13.2	190	13
NGC 3359	H V 52	GALXY	UMA	10 46.6	+63 13	10.6	14.2	024	02
NGC 3378		GALXY	ANT	10 46.6	-40 01	12.8	13.4	399	20
NGC 3369		GALXY	HYA	10 46.7	-25 15	13.6	13.6	325	20
NGC 3368	M 96	GALXY	LEO	10 46.8	+11 49	09.3	13.1	190	13
NGC 3371		1STAR	LEO	10 47.0	+13 48	99.9	99.9	190	13
NGC 3375		GALXY	SEX	10 47.0	-09 57	12.6	13.1	280	13
NGC 3370	H II 81	GALXY	LEO	10 47.1	+17 16	11.6	13.3	145	13
NGC 3373		1STAR	LEO	10 47.2	+13 40	99.9	99.9	190	13
NGC 3348	H I 80	GALXY	UMA	10 47.2	+72 50	11.1	12.7	008	02
NGC 3377A	UGC 5889	GALXY	LEO	10 47.3	+14 04	13.6	15.2	190	13
NGC 3383		GALXY	HYA	10 47.3	-24 27	12.7	13.1	325	20
Bochum 11		OPNCL	CAR	10 47.3	-60 06	07.9	99.9	427	25
NGC 3376		GALXY	SEX	10 47.4	+06 03	13.8	12.4	190	13
NGC 3377	H II 99	GALXY	LEO	10 47.7	+13 59	10.4	13.4	190	13
Ru 91		OPNCL	CAR	10 47.7	-57 29	99.9	99.9	427	25
NGC 3379	M 105	GALXY	LEO	10 47.8	+12 35	09.3	12.8	190	13
NGC 3374	H III 701	GALXY	UMA	10 47.9	+43 10	13.7	13.7	072	06
NGC 3450		GALXY	HYA	10 48.1	-20 51	11.9	13.6	325	20
MCG -03-28-004		GALXY	HYA	10 48.1	-20 53	12.0	99.9	325	20
NGC 3390		GALXY	HYA	10 48.1	-31 32	11.9	12.5	366	20
NGC 3385	UGC 5908	GALXY	SEX	10 48.2	+04 55	12.6	12.8	235	13
NGC 3386		GALXY	SEX	10 48.2	+05 00	14.8	99.9	235	13

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NGC 3387		GALXY	SEX	10 48.2	+05 00	14.8	99.9	235	13
NGC 3380	H II 360	GALXY	LMI	10 48.2	+28 36	12.5	13.2	105	06
NGC 3388		NONEX	LEO	10 48.3	+08 36	99.9	99.9	190	13
NGC 3384	H I 18	GALXY	LEO	10 48.3	+12 38	09.9	12.6	190	13
NGC 3393		GALXY	HYA	10 48.3	-25 10	12.2	13.6	325	20
NGC 3381	H II 565	GALXY	LMI	10 48.4	+34 42	11.7	13.0	105	06
NGC 3389	H II 41	GALXY	LEO	10 48.5	+12 32	11.9	13.2	190	13
NGC 3382		NONEX	LMI	10 48.5	+36 44	99.9	99.9	105	06
NGC 3364	H III 318	GALXY	UMA	10 48.5	+72 25	12.8	13.5	024	02
PK286- 4.1	He2-55	PLNNB	VEL	10 48.8	-56 03	12.7	99.9	427	25
NGC 3391		GALXY	LEO	10 48.9	+14 13	12.9	12.3	190	13
NGC 3399		GALXY	LEO	10 49.4	+16 13	12.8	13.8	190	13
NGC 3405	UGC 5933	GALXY	LEO	10 49.7	+16 14	14.4	99.9	190	13
NGC 3395	H I 116	GALXY	LMI	10 49.8	+32 59	12.1	12.9	105	06
NGC 3396	H I 117	GALXY	LMI	10 49.9	+32 59	12.1	13.4	105	06
NGC 3402		GALXY	HYA	10 50.0	-12 40	99.9	99.9	280	13
NGC 3420		GALXY	HYA	10 50.1	-17 15	14.0	99.9	325	13
NGC 3409		GALXY	HYA	10 50.2	-17 03	15.0	99.9	325	13
NGC 3404	IC 2609	GALXY	HYA	10 50.3	-12 07	14.0	99.9	280	13
NGC 3411	NGC 3402	GALXY	HYA	10 50.3	-12 51	11.9	13.5	280	13
NGC 3401	H III 88	NONEX	SEX	10 50.4	+05 48	99.9	99.9	190	13
UGC 5947		GALXY	LEO	10 50.5	+19 39	14.5	14.0	145	13
NGC 3394	H II 872	GALXY	UMA	10 50.6	+65 43	12.4	13.3	024	02
NGC 3400	H II 361	GALXY	LMI	10 50.8	+28 28	13.2	13.2	105	06
NGC 3421	IC 652	GALXY	HYA	10 50.8	-12 27	14.0	99.9	280	13
NGC 3429		GALXY	LEO	10 50.9	+09 15	99.9	99.9	190	13
NGC 3412	H I 27	GALXY	LEO	10 50.9	+13 25	10.5	12.6	190	13
NGC 3417		GALXY	LEO	10 51.0	+08 29	15.3	99.9	190	13
NGC 3392	H III 881	GALXY	UMA	10 51.0	+65 46	13.7	12.8	024	02
IC 651	UGC 5956	GALXY	SEX	10 51.0	-02 08	13.1	12.4	235	13
NGC 3422		GALXY	HYA	10 51.1	-12 24	15.0	99.9	280	13
NGC 3423	H IV 6= II 131	GALXY	SEX	10 51.2	+05 50	11.1	13.7	190	13
NGC 3431		GALXY	CRT	10 51.2	-17 01	14.0	99.9	325	13
NGC 3419	UGC 5964	GALXY	LEO	10 51.3	+13 57	12.5	12.6	190	13
NGC 3419A	UGC 5965	GALXY	LEO	10 51.3	+14 01	14.1	12.9	190	13
NGC 3414	H II 362	GALXY	LMI	10 51.3	+27 59	11.0	13.3	145	06
NGC 3418	H II 363	GALXY	LMI	10 51.3	+28 07	13.2	13.5	105	06
NGC 3413	H II 493	GALXY	LMI	10 51.3	+32 46	12.1	12.7	105	06
UGC 5953	Mrk 155	GALXY	UMA	10 51.3	+44 34	13.0	11.1	073	06
NGC 3427		GALXY	LEO	10 51.4	+08 18	13.2	12.5	190	13
NGC 3425	H III 108	GALXY	LEO	10 51.4	+08 34	13.1	13.0	190	13
NGC 3428		GALXY	LEO	10 51.4	+09 17	13.1	13.1	190	13
NGC 3398	H III 792	GALXY	UMA	10 51.5	+55 23	14.4	14.0	046	02
NGC 3426	UGC 5975	GALXY	LEO	10 51.6	+18 28	13.1	12.8	145	13
NGC 3415	H II 718	GALXY	UMA	10 51.7	+43 43	12.6	13.6	073	06
NGC 3416		GALXY	UMA	10 51.7	+43 46	14.4	12.1	073	06
NGC 3424	H II 494	GALXY	LMI	10 51.8	+32 54	12.4	13.1	105	06
NGC 3406	UGC 5970	GALXY	UMA	10 51.8	+51 02	13.7	99.9	046	02
NGC 3410		GALXY	UMA	10 51.9	+51 01	14.1	11.9	046	02

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NGC 3434	H III 497	GALXY	LEO	10 52.0	+03 48	12.1	13.4	235	13
NGC 3433	H III 20	GALXY	LEO	10 52.1	+10 09	11.6	14.1	190	13
NGC 3446		OPNCL	VEL	10 52.1	-45 09	99.9	99.9	400	20
NGC 3430	UGC 5982	GALXY	LMI	10 52.2	+32 57	11.6	13.8	105	06
NGC 3408	H III 913	GALXY	UMA	10 52.2	+58 26	13.4	13.1	046	02
NGC 3407	H III 919	GALXY	UMA	10 52.3	+61 23	13.6	13.5	024	02
NGC 3439		GALXY	LEO	10 52.4	+08 34	15.2	99.9	190	13
NGC 3438	UGC 5988	GALXY	LEO	10 52.4	+10 34	13.3	12.7	190	13
NGC 3441		GALXY	LEO	10 52.5	+07 14	13.5	12.0	190	13
NGC 3432	H I 172	GALXY	LMI	10 52.5	+36 37	11.3	13.6	105	06
NGC 3437	H II 47	GALXY	LEO	10 52.6	+22 56	12.1	12.7	145	06
NGC 3449		GALXY	ANT	10 52.9	-32 56	12.2	13.3	366	20
NGC 3444	UGC 6004	GALXY	LEO	10 53.0	+10 13	14.7	12.8	190	13
NGC 3443		GALXY	LEO	10 53.0	+17 34	13.1	14.4	145	13
NGC 3442		GALXY	LMI	10 53.1	+33 55	13.4	11.9	105	06
UGC 5998	Mrk 156	GALXY	UMA	10 53.2	+50 17	13.9	12.5	046	02
NGC 3447	UGC 6006	GALXY	LEO	10 53.4	+16 46	12.6	14.7	190	13
NGC 3447A	UGC 6007	GALXY	LEO	10 53.5	+16 47	14.3	99.9	190	13
vdB-Ha 106		OPNCL	VEL	10 53.5	-52 17	99.9	99.9	427	25
NGC 3453		GALXY	HYA	10 53.7	-21 47	13.0	12.4	325	20
NGC 3440	H III 914	GALXY	UMA	10 53.9	+57 07	13.2	13.1	046	02
NGC 3403	H II 335	GALXY	DRA	10 53.9	+73 41	12.2	13.4	008	02
Ru 92		OPNCL	CAR	10 53.9	-61 44	08.6	99.9	449	25
Ru 162		OPNCL	CAR	10 53.9	-62 15	99.9	99.9	449	25
PK288- 0.1		PLNNB	CAR	10 54.0	-60 27	99.9	99.9	427	25
NGC 3452		GALXY	CRT	10 54.1	-11 24	15.0	99.9	280	13
NGC 3456	H IV 29	GALXY	CRT	10 54.1	-16 02	13.0	99.9	280	13
NGC 3397	NGC 3329	NONEX	DRA	10 54.2	+77 17	99.9	99.9	008	02
NGC 3451	H II 364	GALXY	LMI	10 54.4	+27 14	13.0	13.2	145	06
NGC 3455	H II 82	GALXY	LEO	10 54.5	+17 17	12.0	13.3	145	13
NGC 3454	UGC 6026	GALXY	LEO	10 54.5	+17 21	13.5	13.2	145	13
NGC 3445	H I 267	GALXY	UMA	10 54.6	+56 59	12.6	13.4	046	02
PK288+ 0.1	Hoffleit 38	PLNNB	CAR	10 54.6	-59 10	12.4	99.9	427	25
NGC 3457	UGC 6030	GALXY	LEO	10 54.7	+17 37	12.6	12.3	145	13
NGC 3448	H I 233	GALXY	UMA	10 54.7	+54 19	12.1	14.4	046	02
NGC 3459		GALXY	CRT	10 54.7	-17 04	14.0	99.9	325	13
NGC 3464		GALXY	HYA	10 54.7	-21 04	12.6	14.0	325	20
NGC 3460	NGC 3457	NONEX	LEO	10 54.8	+17 36	13.0	99.9	145	13
NGC 3435	H II 887	GALXY	UMA	10 54.8	+61 18	13.2	13.9	024	02
NGC 3461		GALXY	LEO	10 54.9	+17 39	99.9	99.9	145	13
UGC 6029	Mrk 157	GALXY	UMA	10 55.0	+49 44	13.2	12.9	073	06
NGC 3463		GALXY	HYA	10 55.1	-26 07	12.9	12.8	325	20
NGC 3462	H II 16	GALXY	LEO	10 55.3	+07 42	12.2	12.9	190	13
NGC 3458	H I 268	GALXY	UMA	10 56.0	+57 07	12.2	12.3	046	02
PK289- 1.1		PLNNB	CAR	10 56.0	-61 27	99.9	99.9	449	25
Tr 17	Cr 235	OPNCL	CAR	10 56.2	-59 13	08.4	99.9	427	25
PK289- 0.1	He2-58	BRTNB	CAR	10 56.2	-60 27	11.0	99.9	427	25
NGC 3466	UGC 6042	GALXY	LEO	10 56.3	+09 45	13.6	13.1	191	13
NGC 3467	UGC 6045	GALXY	LEO	10 56.7	+09 46	13.4	13.0	191	13

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NGC 3469		GALXY	CRT	10 56.9	-14 18	14.0	99.9	281	13
Cr 236		OPNCL	CAR	10 57.0	-61 02	07.7	99.9	449	25
Graham 1		OPNCL	CAR	10 57.1	-61 31	99.9	99.9	449	25
NGC 3472		NONEX	CRT	10 57.3	-19 38	99.9	99.9	326	13
NGC 3468	H III 632	GALXY	UMA	10 57.4	+40 57	13.0	13.4	073	06
Bochum 12		OPNCL	CAR	10 57.4	-61 44	09.7	99.9	449	25
NGC 3473	H III 67	GALXY	LEO	10 58.0	+17 07	13.6	13.6	146	13
NGC 3476		GALXY	LEO	10 58.1	+09 17	13.8	99.9	191	13
NGC 3474		GALXY	LEO	10 58.1	+17 05	13.9	13.0	146	13
NGC 3477		GALXY	LEO	10 58.2	+09 13	15.7	99.9	191	13
NGC 3475	H III 332	GALXY	LEO	10 58.3	+24 14	13.1	13.6	146	06
Hogg 9		OPNCL	CAR	10 58.4	-59 03	10.6	99.9	427	25
NGC 3482		UVSOB	VEL	10 58.6	-46 35	99.9	99.9	400	20
NGC 3470	H II 888	GALXY	UMA	10 58.7	+59 31	13.2	13.7	046	02
NGC 3480		NONEX	LEO	10 58.9	+09 21	99.9	99.9	191	13
NGC 3479		GALXY	CRT	10 58.9	-14 58	13.0	99.9	281	13
NGC 3483		GALXY	HYA	10 59.0	-28 28	12.1	12.8	366	20
NGC 3471	H III 972	GALXY	UMA	10 59.1	+61 32	12.5	12.8	024	02
NGC 3465		GALXY	DRA	10 59.3	+75 12	13.5	13.6	008	02
NGC 3478	H III 705	GALXY	UMA	10 59.5	+46 07	12.9	13.9	073	06
NGC 3481		GALXY	CRT	10 59.5	-07 31	14.0	99.9	281	13
NGC 3496		OPNCL	CAR	10 59.8	-60 20	08.2	99.9	427	25
NGC 3490		GALXY	LEO	10 59.9	+09 22	13.8	99.9	191	13
NGC 3485	H II 100	GALXY	LEO	11 00.0	+14 50	11.8	13.3	191	13
Sher 1		OPNCL	CAR	11 00.0	-60 22	08.8	99.9	427	25
NGC 3489	H II 101	GALXY	LEO	11 00.3	+13 54	10.3	12.3	191	13
IC 2621	PK291-4.1	PLNNB	CAR	11 00.3	-65 15	10.5	99.9	449	25
NGC 3486	H I 87	GALXY	LMI	11 00.4	+28 58	10.5	14.3	106	06
NGC 3491	H III 21	GALXY	LEO	11 00.6	+12 10	13.2	13.0	191	13
NGC 3487	UGC 6092	GALXY	LEO	11 00.7	+17 35	14.6	99.9	146	13
NGC 3492	UGC 6094	GALXY	LEO	11 00.9	+10 30	13.1	12.8	191	13
Pismis 17		OPNCL	CAR	11 01.1	-59 49	09.4	99.9	427	25
NGC 3494		NONEX	LEO	11 01.2	+03 43	99.9	99.9	236	13
NGC 3495	H III 498	GALXY	LEO	11 01.3	+03 38	11.8	13.6	236	13
NGC 3503		BRTNB	CAR	11 01.3	-59 51	99.9	99.9	427	25
NGC 3488	H I 269	GALXY	UMA	11 01.4	+57 41	12.9	13.6	046	02
NGC 3497	NGC 3528	NONEX	CRT	11 01.4	-19 28	99.9	99.9	326	13
NGC 3493	UGC 6099	GALXY	LMI	11 01.5	+27 44	14.2	13.0	146	06
NGC 3500	NGC 3465	NONEX	DRA	11 01.7	+75 13	99.9	99.9	008	02
UGC 6104		GALXY	LEO	11 01.8	+16 36	13.7	13.1	191	13
NGC 3498	H III 75	3STAR	LEO	11 01.9	+14 23	99.9	99.9	191	13
NGC 3502		GALXY	CRT	11 02.1	-14 08	14.0	99.9	281	13
UGC 6112		GALXY	LEO	11 02.5	+16 44	13.3	13.9	191	13
NGC 3505		NONEX	CRT	11 02.7	-15 29	99.9	99.9	281	13
NGC 3523	H II 904	GALXY	DRA	11 02.8	+75 08	12.9	13.6	008	02
NGC 3501	UGC 6116	GALXY	LEO	11 02.9	+17 59	12.9	13.5	146	13
NGC 3508	IC 2622	GALXY	CRT	11 02.9	-16 18	14.0	99.9	281	13
NGC 3484		NONEX	DRA	11 03.0	+75 49	99.9	99.9	008	02
NGC 3506	H III 22	GALXY	LEO	11 03.2	+11 05	12.5	12.6	191	13

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NGC 3504	H I 88	GALXY	LMI	11 03.2	+27 58	11.0	12.8	146	06
NGC 3499	H III 793	GALXY	UMA	11 03.2	+56 13	13.6	12.9	046	02
NGC 3511	H V 39	GALXY	CRT	11 03.4	-23 05	11.0	13.5	326	20
NGC 3507	H IV 7	GALXY	LEO	11 03.5	+18 08	10.9	13.3	146	13
NGC 3510	H II 365	GALXY	LMI	11 03.7	+28 53	12.2	13.3	106	06
NGC 3513	H V 40	GALXY	CRT	11 03.8	-23 15	11.5	13.4	326	20
Arp 148	MCG +07-23-019	GALXY	UMA	11 03.9	+40 50	15.0	99.9	073	06
NGC 3514		GALXY	CRT	11 03.9	-18 49	13.0	99.9	326	13
PK290- 0.1	Hoffleit 48	PLNNB	CAR	11 03.9	-60 36	12.6	99.9	427	25
NGC 3512	H II 366	GALXY	LMI	11 04.0	+28 02	12.3	13.1	106	06
3C 249.1		QUASR	DRA	11 04.0	+77 12	14.0	99.9	008	02
NGC 3519		NONEX	CAR	11 04.0	-61 22	99.9	99.9	449	25
NGC 3518		GALXY	LEO	11 04.3	-06 28	99.9	99.9	281	13
NGC 3509	H II 598	GALXY	LEO	11 04.4	+04 50	12.7	13.4	236	13
Ru 93		OPNCL	CAR	11 04.4	-61 22	07.7	99.9	449	25
NGC 3515		GALXY	LMI	11 04.6	+28 14	13.9	13.4	106	06
Ru 163		OPNCL	CAR	11 04.8	-66 36	99.9	99.9	449	25
NGC 3520		ASTER	CRT	11 05.5	-17 56	99.9	99.9	326	13
NGC 3517	H II 884	GALXY	UMA	11 05.6	+56 31	13.8	99.9	046	02
NGC 3521	H I 13	GALXY	LEO	11 05.8	-00 02	09	13.2	236	13
Fein 1		OPNCL	CAR	11 06.0	-59 49	04.7	99.9	427	25
UGC 6157		GALXY	LEO	11 06.3	+17 30	14.2	99.9	146	13
RCW 58		BRTNB	CAR	11 06.3	-65 34	99.9	99.9	449	25
NGC 3525		NONEX	CRT	11 06.4	-19 27	99.9	99.9	326	13
NGC 3532		OPNCL	CAR	11 06.4	-58 40	03	99.9	427	25
NGC 3524	H III 23	GALXY	LEO	11 06.5	+11 24	12.8	12.4	191	13
NGC 3522	UGC 6159	GALXY	LEO	11 06.6	+20 04	13.1	13.0	146	06
UGC 6161		GALXY	UMA	11 06.8	+43 44	13.5	14.6	073	06
UGC 6162	MCG +09-18-086	GALXY	UMA	11 06.8	+51 12	13.2	14.3	046	02
NGC 3516	H II 336	GALXY	UMA	11 06.8	+72 34	11.7	12.5	008	02
NGC 3531	NGC 3526	NONEX	LEO	11 06.9	+07 10	99.9	99.9	191	13
NGC 3526		GALXY	LEO	11 07.0	+07 10	13.2	12.8	191	13
UGC 6171		GALXY	LEO	11 07.2	+18 34	13.9	14.2	146	13
NGC 3533		GALXY	CEN	11 07.2	-37 10	12.9	13.4	367	20
NGC 3557A	NGC 3533	NONEX	CEN	11 07.2	-37 10	99.9	99.9	367	20
NGC 3527	H III 350	GALXY	UMA	11 07.3	+28 32	13.7	13.5	106	06
NGC 3528	IC 2624	GALXY	CRT	11 07.3	-19 28	13.0	99.9	326	13
NGC 3529	IC 2625	GALXY	CRT	11 07.3	-19 33	14.0	99.9	326	13
vdB-Ha 110		OPNCL	CAR	11 07.3	-61 04	99.9	99.9	449	25
NGC 3537		GALXY	CRT	11 08.4	-10 16	14.0	99.9	281	13
NGC 3535	H III 111	GALXY	LEO	11 08.5	+04 50	13.5	12.6	236	13
NGC 3534B	UGC 6193	GALXY	LEO	11 08.7	+26 35	15.6	99.9	146	06
NGC 3534A	UGC 6190	GALXY	LEO	11 08.7	+26 36	15.4	99.9	146	06
NGC 3530	H III 915	GALXY	UMA	11 08.7	+57 14	13.8	11.7	046	02
NGC 3536	UGC 6191	GALXY	UMA	11 08.8	+28 29	13.7	13.5	106	06
NGC 3541		GALXY	CRT	11 08.8	-10 56	15.0	99.9	281	13
NGC 3539		GALXY	UMA	11 09.1	+28 40	14.5	12.9	106	06
NGC 3540		GALXY	UMA	11 09.3	+36 01	13.3	13.7	106	06
Be 142		DRKNB	CHA	11 09.5	-77 16	79.9	79.9	465	25

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NGC 3551		GALXY	LEO	11 09.6	+21 43	15.0	99.9	146	06
vdB-Ha 111		OPNCL	CAR	11 09.6	-62 41	99.9	99.9	449	25
NGC 3555		GALXY	LEO	11 09.7	+21 44	12.8	14.0	146	06
NGC 3557B		GALXY	CEN	11 09.7	-37 21	12.6	12.8	367	20
NGC 3546		GALXY	CRT	11 09.8	-13 23	14.0	99.9	281	13
NGC 3547	H II 42	GALXY	LEO	11 09.9	+10 43	12.8	13.3	191	13
NGC 3565	ESO 570-G008	GALXY	CRT	11 07.8	-20 01	99.9	99.9	326	20
NGC 3566		NONEX	CRT	11 09.9	-20 02	99.9	99.9	326	20
IC 2627		GALXY	CRT	11 09.9	-23 44	12.0	13.9	326	20
NGC 3542		GALXY	UMA	11 10.0	+36 57	14.1	12.5	106	06
NGC 3557		GALXY	CEN	11 10.0	-37 32	10.4	13.1	367	20
NGC 3545A		GALXY	UMA	11 10.2	+36 58	14.8	99.9	106	06
NGC 3545B		GALXY	UMA	11 10.2	+36 58	14.8	99.9	106	06
NGC 3548	NGC 3540?	NONEX	UMA	11 10.4	+36 02	99.9	99.9	106	06
NGC 3572		OPNCL	CAR	11 10.4	-60 14	06.6	99.9	427	25
NGC 3552	H III 352	GALXY	UMA	11 10.6	+28 42	15.1	99.9	106	06
NGC 3553		GALXY	UMA	11 10.6	+28 42	15.1	99.9	106	06
Abell 1185	Arp 105	GALCL	UMA	11 10.6	+28 46	14.0	99.9	106	06
NGC 3550	H III 351	GALXY	UMA	11 10.6	+28 46	13.3	13.2	106	06
NGC 3564		GALXY	CEN	11 10.6	-37 33	12.1	12.3	367	20
NGC 3560		1STAR	LEO	11 10.7	+11 11	99.9	99.9	191	13
NGC 3559	H III 79	GALXY	LEO	11 10.7	+12 01	12.7	12.7	191	13
NGC 3554		GALXY	UMA	11 10.7	+28 40	15.3	99.9	106	06
Hogg 10		OPNCL	CAR	11 10.7	-60 22	06.9	99.9	427	25
NGC 3543	H III 920	GALXY	UMA	11 10.8	+61 22	14.8	99.9	024	02
NGC 3568		GALXY	CEN	11 10.8	-37 27	12.3	12.9	367	20
NGC 3558		GALXY	UMA	11 10.9	+28 33	13.6	13.1	106	06
NGC 3549	H I 220	GALXY	UMA	11 10.9	+53 23	12.1	13.4	046	02
NGC 3561	UGC 6224	GALXY	UMA	11 11.2	+28 43	14.7	99.9	106	06
Cr 240		OPNCL	CAR	11 11.2	-60 17	03.9	99.9	427	25
NGC 3567	H III 89	GALXY	LEO	11 11.3	+05 50	13.3	12.8	191	13
NGC 3573		GALXY	CEN	11 11.3	-36 51	12.3	13.5	367	20
NGC 3563A	UGC 6234	GALXY	LEO	11 11.4	+26 58	14.6	99.9	146	06
NGC 3563B	UGC 6234	GALXY	LEO	11 11.4	+26 58	14.6	99.9	146	06
Tr 18	Cr 241	OPNCL	CAR	11 11.4	-60 40	06.9	99.9	427	25
NGC 3556	M 108	GALXY	UMA	11 11.5	+55 40	10.0	13.1	046	02
NGC 3538		NONEX	DRA	11 11.5	+75 34	99.9	99.9	009	02
NGC 3544	NGC 3571	NONEX	CRT	11 11.5	-18 17	99.9	99.9	326	13
NGC 3571	H II 819	GALXY	CRT	11 11.5	-18 17	12.1	13.2	326	13
Hogg 11		OPNCL	CAR	11 11.5	-60 22	08.1	99.9	427	25
NGC 3576		BRTNB	CAR	11 11.8	-61 23	99.9	99.9	449	25
NGC 3579		BRTNB	CAR	11 11.9	-61 14	99.9	99.9	449	25
NGC 3570		GALXY	LEO	11 12.1	+27 35	13.5	13.4	146	06
NGC 3569	UGC 6238	GALXY	UMA	11 12.1	+35 27	13.3	13.3	106	06
NGC 3581		BRTNB	CAR	11 12.1	-61 18	99.9	99.9	449	25
NGC 3574		GALXY	LEO	11 12.2	+27 37	14.8	12.8	146	06
Hogg 12		OPNCL	CAR	11 12.3	-60 45	08.8	99.9	427	25
NGC 3582		BRTNB	CAR	11 12.3	-61 16	99.9	99.9	449	25
NGC 3584		BRTNB	CAR	11 12.4	-61 12	99.9	99.9	449	25

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NGC 3586		BRTNB	CAR	11 12.6	-61 21	99.9	99.9	449	25
NGC 3578		NONEX	CRT	11 12.8	-15 57	99.9	99.9	281	13
NGC 3562	H II 337	GALXY	DRA	11 12.9	+72 53	12.2	99.9	009	02
NGC 3590		OPNCL	CAR	11 12.9	-60 47	08.2	99.9	427	25
NGC 3575		NONEX	LEO	11 13.1	+22 40	99.9	99.9	146	06
Stock 13		OPNCL	CAR	11 13.1	-58 55	07	99.9	427	25
NGC 3580		GALXY	LEO	11 13.3	+03 40	14.0	12.4	236	13
NGC 3585	H II 269	GALXY	HYA	11 13.3	-26 45	09.9	12.6	326	20
UGC 6251		GALXY	UMA	11 13.4	+53 36	14.7	15.8	046	02
UGC 6253	Leo II	GALXY	LEO	11 13.5	+22 10	12.0	17.3	146	06
NGC 3577	H III 723	GALXY	UMA	11 13.8	+48 16	13.4	14.0	073	06
NGC 3588	UGC 6264	GALXY	LEO	11 14.0	+20 24	15.3	99.9	146	06
NGC 3591	H III 529	GALXY	CRT	11 14.1	-14 04	14.0	99.9	281	13
NGC 3583	H II 728	GALXY	UMA	11 14.2	+48 19	11.1	12.7	073	06
Tr 19	Cr 243	OPNCL	CAR	11 14.3	-57 35	09.6	99.9	427	25
NGC 3592	UGC 6267	GALXY	LEO	11 14.4	+17 16	13.7	13.6	146	13
NGC 3593	H I 29	GALXY	LEO	11 14.6	+12 49	10.9	13.3	191	13
NGC 3597		GALXY	CRT	11 14.6	-23 43	12.6	13.6	326	20
NGC 3587	M 97	PLNNB	UMA	11 14.8	+55 01	11.0	99.9	046	02
NGC 3596	H II 102	GALXY	LEO	11 15.1	+14 47	11.3	14.1	191	13
NGC 3603		OPNCL	CAR	11 15.1	-61 15	09.1	99.9	449	25
NGC 3598		GALXY	LEO	11 15.2	+17 16	12.3	13.1	146	13
NGC 3589	H III 921	GALXY	UMA	11 15.2	+60 42	13.8	13.8	046	02
NGC 3599	H II 49	GALXY	LEO	11 15.4	+18 07	11.9	13.7	146	13
NGC 3595	H III 706	GALXY	UMA	11 15.4	+47 27	12.1	12.1	073	06
NGC 3601	UGC 6282	GALXY	LEO	11 15.5	+05 07	13.8	12.1	236	13
NGC 3602		GALXY	LEO	11 15.8	+17 25	15.7	99.9	146	13
NGC 3600	H II 709	GALXY	UMA	11 15.8	+41 36	11.7	12.9	073	06
NGC 3594	H III 770	GALXY	UMA	11 16.1	+55 42	13.7	14.1	046	02
NGC 3620		UVSOB	CHA	11 16.1	-76 13	99.9	99.9	466	25
NGC 3606		GALXY	HYA	11 16.2	-33 49	12.4	13.1	367	20
NGC 3604	NGC 3611?	NONEX	LEO	11 16.3	+04 31	99.9	99.9	236	13
Abell 1213		GALCL	UMA	11 16.4	+29 17	14.5	99.9	106	06
Hogg 13		OPNCL	CAR	11 16.5	-60 16	99.9	99.9	427	25
NGC 3605	H III 27	GALXY	LEO	11 16.8	+18 01	12.3	12.8	146	13
NGC 3607	H II 50	GALXY	LEO	11 16.9	+18 03	09.9	12.5	146	13
NGC 3608	H II 51	GALXY	LEO	11 17.0	+18 09	10.8	13.0	146	13
NGC 3611	H II 521	GALXY	LEO	11 17.5	+04 33	12.1	13.4	236	13
NGC 3609	UGC 6310	GALXY	LEO	11 17.8	+26 38	13.1	13.1	146	06
NGC 3617		GALXY	HYA	11 17.8	-26 07	12.8	13.6	326	20
PK295- 9.1		PLNNB	CAR	11 17.8	-70 48	99.9	99.9	449	25
IC 2714	Cr 245	OPNCL	CAR	11 17.9	-62 42	08.2	99.9	449	25
NGC 3615	H III 333	GALXY	LEO	11 18.0	+23 24	12.8	13.1	146	06
NGC 3616	H III 76	NONEX	LEO	11 18.2	+14 44	99.9	99.9	191	13
NGC 3612		GALXY	LEO	11 18.2	+26 38	14.2	13.8	146	06
NGC 3614A		GALXY	UMA	11 18.2	+45 43	99.9	99.9	073	06
NGC 3614	H II 729	GALXY	UMA	11 18.3	+45 45	11.6	14.1	073	06
NGC 3621	H I 241	GALXY	HYA	11 18.3	-32 49	09.7	14.4	367	20
NGC 3610	H I 270	GALXY	UMA	11 18.4	+58 47	10.8	12.8	046	02

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NGC 3618	H III 334	GALXY	LEO	11 18.5	+23 29	13.6	13.1	146	06
NGC 3613	H I 271	GALXY	UMA	11 18.6	+58 00	10.9	13.0	046	02
NGC 3624		GALXY	LEO	11 18.8	+07 32	13.9	12.9	191	13
NGC 3623	M 65	GALXY	LEO	11 18.9	+13 05	09.3	12.8	191	13
NGC 3619	H I 244	GALXY	UMA	11 19.4	+57 46	11.5	13.4	046	02
Mel 105	Cr 246	OPNCL	CAR	11 19.5	-63 30	08.5	99.9	449	25
NGC 3626	H II 52	GALXY	LEO	11 20.1	+18 21	11.0	12.6	146	13
UGC 6345		GALXY	LEO	11 20.2	+02 32	13.4	14.5	236	13
NGC 3627	M 66	GALXY	LEO	11 20.2	+12 59	08.9	12.7	191	13
NGC 3622	H II 879	GALXY	UMA	11 20.2	+67 15	13.2	12.4	024	02
NGC 3630	UGC 6349	GALXY	LEO	11 20.3	+02 58	11.9	14.6	236	13
NGC 3628	H V 8	GALXY	LEO	11 20.3	+13 36	09.5	13.4	191	13
NGC 3638		GALXY	CRT	11 20.3	-08 06	15.0	99.9	281	13
NGC 3633		GALXY	LEO	11 20.4	+03 35	13.6	12.6	236	13
NGC 3636	H II 550	GALXY	CRT	11 20.4	-10 17	12.4	13.0	281	13
NGC 3632	NGC 3626	NONEX	LEO	11 20.5	+18 09	99.9	99.9	146	13
NGC 3629	H II 338	GALXY	LEO	11 20.5	+26 58	12.1	13.4	146	06
NGC 3625	H II 885	GALXY	UMA	11 20.5	+57 47	13.1	13.2	046	02
NGC 3634		GALXY	CRT	11 20.6	-09 01	15.5	99.9	281	13
NGC 3635		GALXY	CRT	11 20.6	-09 01	16.0	99.9	281	13
NGC 3637	H II 551	GALXY	CRT	11 20.7	-10 16	12.7	13.6	281	13
NGC 3631	H I 226	GALXY	UMA	11 21.0	+53 10	10.4	13.7	046	02
NGC 3640	H II 33	GALXY	LEO	11 21.1	+03 14	10.4	13.2	236	13
NGC 3641	UGC 6370	GALXY	LEO	11 21.2	+03 12	13.2	13.3	236	13
NGC 3643	NGC 3645?	GALXY	LEO	11 21.4	+03 01	14.1	12.4	236	13
NGC 3644	IC 684	GALXY	LEO	11 21.5	+02 49	13.7	13.6	236	13
NGC 3639		GALXY	LEO	11 21.5	+18 28	13.6	12.3	146	13
Abell 1228		GALCL	UMA	11 21.5	+34 20	13.8	99.9	106	06
NGC 3647		GALXY	LEO	11 21.6	+02 54	15.6	99.9	236	13
NGC 3645	H II 32	GALXY	LEO	11 21.6	+02 59	15.5	99.9	236	13
NGC 3646	H III 15	GALXY	LEO	11 21.7	+20 10	11.1	13.3	146	06
NGC 3649	H III 16	GALXY	LEO	11 22.2	+20 13	13.7	13.1	146	06
NGC 3642	H I 245	GALXY	UMA	11 22.3	+59 05	11.2	14.5	046	02
NGC 3651	H III 335	GALXY	LEO	11 22.4	+24 18	13.2	13.4	146	06
NGC 3653	H III 336	GALXY	LEO	11 22.5	+24 16	13.6	12.8	146	06
NGC 3650	UGC 6391	GALXY	LEO	11 22.6	+20 42	13.9	13.0	146	06
NGC 3652	H II 775	GALXY	UMA	11 22.6	+37 46	12.2	12.4	106	06
NGC 3648		GALXY	UMA	11 22.6	+39 53	12.6	12.5	073	06
NGC 3655	H I 5	GALXY	LEO	11 22.9	+16 35	11.6	12.0	191	13
vdB-Ha 118		OPNCL	CEN	11 23.2	-58 00	99.9	99.9	427	25
UGC 6399		GALXY	UMA	11 23.4	+50 55	13.7	14.4	046	02
NGC 3656	H II 782	GALXY	UMA	11 23.6	+53 51	12.5	13.4	046	02
NGC 3660	H II 635	GALXY	CRT	11 23.6	-08 40	12.5	99.9	281	13
NGC 3661	IC 689	GALXY	CRT	11 23.7	-13 48	14.0	99.9	281	13
NGC 3659	H II 53	GALXY	LEO	11 23.8	+17 49	12.3	13.0	146	13
NGC 3662	H IV 4	GALXY	LEO	11 23.8	-01 06	12.9	13.0	236	13
NGC 3657	H III 768	GALXY	UMA	11 23.9	+52 56	12.4	13.1	046	02
PK289+ 7.1		PLNNB	CEN	11 23.9	-52 52	99.9	99.9	427	25
NGC 3658	H IV 59	GALXY	UMA	11 24.0	+38 34	12.2	13.0	106	06

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NGC 3663		GALXY CRT	11 24.0	-12 17	13.0	99.9	281	13
NGC 3654	H II 880	GALXY UMA	11 24.1	+69 26	12.7	12.3	025	02
NGC 3667A	H III 531	GALXY CRT	11 24.3	-13 49	13.0	99.9	281	13
NGC 3664A	UGC 6418	GALXY LEO	11 24.4	+03 14	14.4	13.7	236	13
NGC 3664	UGC 6419	GALXY LEO	11 24.4	+03 20	12.8	14.1	236	13
NGC 3666	H I 20	GALXY LEO	11 24.4	+11 21	12.0	13.6	191	13
NGC 3667B		GALXY CRT	11 24.4	-13 49	15.0	99.9	281	13
NGC 3670	H III 337	GALXY LEO	11 24.7	+23 57	13.5	13.0	146	06
NGC 3665	H I 219	GALXY UMA	11 24.7	+38 46	10.8	12.4	106	06
NGC 3672	H I 131	GALXY CRT	11 25.0	-09 48	11.4	13.5	281	13
NGC 3673		GALXY HYA	11 25.2	-26 44	11.5	13.7	326	20
NGC 3669	H II 829	GALXY UMA	11 25.4	+57 43	12.4	12.5	046	02
NGC 3668	H II 845	GALXY UMA	11 25.5	+63 27	12.3	13.1	025	02
NGC 3676		NONEX CRT	11 25.6	-10 37	99.9	99.9	281	13
NGC 3680		OPNCL CEN	11 25.7	-43 15	07.6	99.9	400	20
NGC 3671	H III 922	GALXY UMA	11 25.8	+60 29	15.7	99.9	046	02
NGC 3675	H I 194	GALXY UMA	11 26.1	+43 35	10.2	13.2	073	06
NGC 3685		NONEX LEO	11 26.2	+04 08	99.9	99.9	236	13
NGC 3678		GALXY LEO	11 26.2	+27 53	13.6	12.9	146	06
NGC 3679	H III 112	GALXY LEO	11 26.2	-05 35	15.0	99.9	281	13
NGC 3677	UGC 6441	GALXY UMA	11 26.3	+46 58	12.3	13.4	073	06
NGC 3674	H II 886	GALXY UMA	11 26.4	+57 03	12.2	12.4	046	02
NGC 3681	H II 159	GALXY LEO	11 26.5	+16 52	11.2	12.8	191	13
UGC 6446	MCG +09-19-079	GALXY UMA	11 26.6	+53 44	12.9	15.1	046	02
IC 691	UGC 6447	GALXY UMA	11 26.7	+59 09	13.9	12.4	046	02
PK283+25.1	K1-22	PLNNB HYA	11 26.7	-34 22	12.1	99.9	367	20
UGC 6448	Mrk 170	GALXY UMA	11 26.8	+64 08	14.1	13.2	025	02
NGC 3684	UGC 6453	GALXY LEO	11 27.2	+17 02	11.4	13.3	146	13
PK291+ 3.1	He2-64	PLNNB CEN	11 27.4	-57 18	14.1	99.9	427	25
NGC 3683	H I 246	GALXY UMA	11 27.5	+56 53	12.4	12.6	046	02
NGC 3686	H II 160=H III 28	GALXY LEO	11 27.7	+17 13	11.3	13.4	146	13
NGC 3682	H I 262	GALXY DRA	11 27.7	+66 35	12.5	13.0	025	02
NGC 3688		GALXY CRT	11 27.8	-09 10	15.0	99.9	281	13
NGC 3687	H II 770	GALXY UMA	11 28.0	+29 31	12.0	13.3	106	06
UGC 6456		GALXY DRA	11 28.0	+78 59	13.7	13.8	009	02
NGC 3699	PK292+1.1	PLNNB CEN	11 28.0	-59 57	14.0	99.9	427	25
NGC 3691	H II 54	GALXY LEO	11 28.2	+16 55	11.8	12.0	192	13
NGC 3689	H II 339	GALXY LEO	11 28.2	+25 40	12.3	12.9	147	06
NGC 3693	H III 532	GALXY CRT	11 28.2	-13 10	13.0	99.9	282	13
NGC 3692	H II 152	GALXY LEO	11 28.4	+09 24	12.1	12.9	192	13
NGC 3690	H I 247	GALXY UMA	11 28.5	+58 33	11.5	12.6	046	02
IC 694	UGC 6471	GALXY UMA	11 28.5	+58 34	11.8	99.9	046	02
PK290+ 7.1	Fleming 1	PLNNB CEN	11 28.6	-52 56	11.4	99.9	427	25
NGC 3697A	UGC 6479	GALXY LEO	11 28.7	+20 48	14.1	99.9	147	06
NGC 3696	NGC 3704?	GALXY CRT	11 28.8	-11 15	99.9	99.9	282	13
PK292+ 1.2		PLNNB CEN	11 28.8	-60 07	13.8	99.9	427	25
NGC 3697B		GALXY LEO	11 28.9	+20 43	15.5	99.9	147	06
NGC 3697C		GALXY LEO	11 28.9	+20 44	15.5	99.9	147	06
NGC 3694	UGC 6480	GALXY UMA	11 28.9	+35 24	12.9	11.8	106	06

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Gum 39	RCW 60	BRTNB	CEN	11 28.9	-62 41	99.9	99.9	450	25
NGC 3698		NONEX	UMA	11 29.0	+35 40	99.9	99.9	106	06
IC 2872	RCW 60	BRTNB	CEN	11 29.0	-62 57	99.9	99.9	450	25
NGC 3695	UGC 6490	GALXY	UMA	11 29.2	+35 35	14.9	99.9	106	06
NGC 3683A	UGC 6484	GALXY	UMA	11 29.2	+57 08	11.9	13.3	046	02
Pal 4		GLOCL	UMA	11 29.3	+28 58	14.2	99.9	106	06
NGC 3701	H II 349	GALXY	LEO	11 29.4	+24 05	12.9	13.4	147	06
UGC 6591		GALXY	UMA	11 29.4	+34 51	12.6	12.4	106	06
NGC 3711		GALXY	CRT	11 29.4	-11 04	15.0	99.9	282	13
NGC 3700	UGC 6494	GALXY	UMA	11 29.5	+35 31	14.0	13.6	106	06
NGC 3703		NONEX	CRT	11 29.6	-08 37	99.9	99.9	282	13
NGC 3706		GALXY	CEN	11 29.7	-36 25	11.3	13.1	367	20
NGC 3705B		GALXY	LEO	11 29.8	+09 11	15.5	99.9	192	13
NGC 3704	NGC 3707	GALXY	CRT	11 30.0	-11 30	14.0	99.9	282	13
NGC 3705	H II 13	GALXY	LEO	11 30.1	+09 17	11.1	13.4	192	13
NGC 3707		NONEX	CRT	11 30.1	-11 32	99.9	99.9	282	13
NGC 3702		GALXY	CRT	11 30.2	-08 52	15.0	99.9	282	13
Ru 94		OPNCL	CEN	11 30.4	-63 27	99.9	99.9	450	25
Gum 41	RCW 61	BRTNB	CEN	11 30.4	-63 50	99.9	99.9	450	25
NGC 3705A		GALXY	LEO	11 30.5	+09 22	15.0	99.9	192	13
NGC 3708		NONEX	LEO	11 30.7	-03 13	99.9	99.9	237	13
NGC 3709		NONEX	LEO	11 30.7	-03 15	99.9	99.9	237	13
NGC 3710	H II 350	GALXY	LEO	11 31.0	+22 46	13.1	12.8	147	06
NGC 3712	UGC 6511	GALXY	UMA	11 31.1	+28 34	13.9	13.8	106	06
NGC 3715	H II 562	GALXY	CRT	11 31.5	-14 12	13.0	99.9	282	13
NGC 3717		GALXY	HYA	11 31.5	-30 19	11.2	13.1	367	20
Ru 164		OPNCL	CEN	11 31.5	-59 44	99.9	99.9	428	25
NGC 3713	H II 367	GALXY	LEO	11 31.6	+28 09	13.2	13.1	106	06
NGC 3716		GALXY	LEO	11 31.7	+03 30	13.5	12.6	237	13
PK294- 4.1		PLNNB	MUS	11 31.7	-65 59	99.9	99.9	450	25
NGC 3714	H III 353	GALXY	UMA	11 31.8	+28 22	14.1	12.2	106	06
NGC 3719	UGC 6521	GALXY	LEO	11 32.2	+00 49	13.0	13.8	237	13
NGC 3720		GALXY	LEO	11 32.4	+00 48	12.9	12.6	237	13
NGC 3723		GALXY	CRT	11 32.4	-09 58	14.0	99.9	282	13
UGC 6520	Mrk 175	GALXY	UMA	11 32.5	+62 30	13.1	12.9	025	02
NGC 3718	H I 221	GALXY	UMA	11 32.6	+53 04	10.8	14.4	047	02
UGC 6531		GALXY	UMA	11 32.8	+39 04	14.3	99.9	073	06
NGC 3728	H II 351	GALXY	LEO	11 33.2	+24 27	13.0	14.1	147	06
UGC 6534		GALXY	UMA	11 33.2	+63 17	12.8	13.1	025	02
NGC 3726	H II 730	GALXY	UMA	11 33.3	+47 02	10.4	13.8	073	06
PK292+ 4.1		PLNNB	CEN	11 33.4	-57 06	12.8	99.9	428	25
UGC 6541	Mrk 178	GALXY	UMA	11 33.5	+49 14	14.2	13.8	073	06
NGC 3725	H II 836	GALXY	UMA	11 33.7	+61 53	13.0	13.0	025	02
NGC 3727		GALXY	CRT	11 33.7	-13 52	99.9	99.9	282	13
NGC 3729	H I 222	GALXY	UMA	11 33.8	+53 08	11.4	13.1	047	02
NGC 3731	H III 80	GALXY	LEO	11 34.2	+12 32	14.3	99.9	192	13
NGC 3732	H II 552	GALXY	CRT	11 34.2	-09 51	12.5	12.8	282	13
NGC 3721		GALXY	CRT	11 34.4	-09 26	15.0	99.9	282	13
NGC 3730		GALXY	CRT	11 34.4	-09 33	99.9	99.9	282	13

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NGC 3724		GALXY	CRT	11 34.5	-09 38	15.0	99.9	282	13
NGC 3722		GALXY	CRT	11 34.5	-09 39	16.0	99.9	282	13
NGC 3734	H III 935	GALXY	CRT	11 34.7	-14 06	14.0	99.9	282	13
Abell 1314		GALCL	UMA	11 34.8	+49 03	13.9	99.9	073	06
NGC 3733	H III 771	GALXY	UMA	11 35.0	+54 51	12.4	14.8	047	02
PK293+ 1.1	He2-70	PLNNB	CEN	11 35.2	-60 17	12.0	99.9	428	25
NGC 3742		GALXY	CEN	11 35.4	-37 56	12.1	13.4	367	20
NGC 3737A		GALXY	UMA	11 35.5	+54 57	99.9	99.9	047	02
NGC 3739		GALXY	LEO	11 35.6	+25 04	14.4	13.2	147	06
NGC 3737	H III 772	GALXY	UMA	11 35.6	+54 57	12.9	12.8	047	02
NGC 3736		GALXY	DRA	11 35.6	+73 28	15.5	99.9	009	02
NGC 3743		GALXY	LEO	11 35.8	+21 44	15.6	99.9	147	06
NGC 3744		GALXY	LEO	11 35.8	+23 00	15.4	99.9	147	06
NGC 3738	H II 783	GALXY	UMA	11 35.8	+54 31	11.7	13.3	047	02
NGC 3749		GALXY	CEN	11 35.8	-37 59	12.3	13.2	367	20
NGC 3741	UGC 6572	GALXY	UMA	11 36.0	+45 18	14.0	14.8	073	06
NGC 3735	H I 287	GALXY	DRA	11 36.0	+70 32	11.8	13.0	025	02
NGC 3777		GALXY	CRT	11 36.1	-12 34	14.0	99.9	282	13
NGC 3766		OPNCL	CEN	11 36.1	-61 37	05.3	99.9	450	25
NGC 3740	H III 847	GALXY	UMA	11 36.2	+59 59	14.9	99.9	047	02
NGC 3758		GALXY	LEO	11 36.4	+21 36	14.2	12.6	147	06
NGC 3763	IC 714	GALXY	CRT	11 36.4	-09 50	13.0	99.9	282	13
NGC 3760		NONEX	LEO	11 36.6	+21 50	99.9	99.9	147	06
NGC 3755	UGC 6577	GALXY	UMA	11 36.6	+36 25	12.8	14.3	106	06
IC 2944	Cr 249	CL+NB	CEN	11 36.6	-63 02	04.5	99.9	450	25
NGC 3761		GALXY	LEO	11 36.8	+23 00	15.0	99.9	147	06
NGC 3756	H II 784	GALXY	UMA	11 36.8	+54 18	11.5	13.7	047	02
NGC 3764		GALXY	LEO	11 36.9	+17 54	14.9	99.9	147	13
NGC 3759	UGC 6581	GALXY	UMA	11 36.9	+54 49	13.3	13.3	047	02
NGC 3759A	UGC 6582	GALXY	UMA	11 37.0	+55 10	13.6	13.7	047	02
RCW 59		BRTNB	CEN	11 37.0	-57 00	99.9	99.9	428	25
NGC 3765		GALXY	LEO	11 37.1	+24 07	14.0	13.1	147	06
NGC 3757	H III 843	GALXY	UMA	11 37.1	+58 26	12.6	12.7	047	02
NGC 3768	H III 29	GALXY	LEO	11 37.2	+17 51	12.4	13.1	147	13
NGC 3767	UGC 6590	GALXY	LEO	11 37.3	+16 53	13.4	13.1	192	13
NGC 3762	H II 837	GALXY	UMA	11 37.5	+61 46	12.6	12.4	025	02
NGC 3747	H III 969	NONEX	DRA	11 37.5	+74 59	99.9	99.9	009	02
NGC 3752	H II 905	GALXY	DRA	11 37.6	+75 17	12.9	12.9	009	02
NGC 3746		GALXY	LEO	11 37.7	+22 00	14.2	13.5	147	06
NGC 3745		GALXY	LEO	11 37.7	+22 01	15.2	12.4	147	06
NGC 3769	H II 731	GALXY	UMA	11 37.7	+47 54	11.8	12.8	074	06
NGC 3769A	Arp 280b	GALXY	UMA	11 37.7	+47 54	14.2	13.3	074	06
NGC 3748		GALXY	LEO	11 37.8	+22 02	14.8	13.2	147	06
NGC 3772	H II 352	GALXY	LEO	11 37.8	+22 42	13.5	13.0	147	06
NGC 3751		GALXY	LEO	11 37.9	+21 56	13.9	12.7	147	06
NGC 3750		GALXY	LEO	11 37.9	+21 58	13.9	13.1	147	06
NGC 3753		GALXY	LEO	11 37.9	+21 59	13.6	13.2	147	06
NGC 3754		GALXY	LEO	11 37.9	+21 59	14.3	12.0	147	06
NGC 3770	H II 838	GALXY	UMA	11 38.0	+59 37	12.9	12.4	047	02

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NGC 3789		GALXY CRT	11 38.1	-09 36	16.0	99.9	282	13
NGC 3773	H III 81	GALXY LEO	11 38.2	+12 07	12.0	12.1	192	13
NGC 3795B	UGC 6604	GALXY UMA	11 38.2	+58 46	14.0	99.9	047	02
NGC 3776		GALXY VIR	11 38.3	-03 20	99.9	99.9	237	13
NGC 3775		GALXY CRT	11 38.3	-10 37	15.0	99.9	282	13
NGC 3778		UVSOB CEN	11 38.4	-50 43	99.9	99.9	428	25
NGC 3774		GALXY CRT	11 38.6	-08 59	15.0	99.9	282	13
vdB-Ha 121		OPNCL CEN	11 38.7	-63 13	99.9	99.9	450	25
IC 2948	RCW 62	BRTNB CEN	11 38.8	-63 22	99.9	99.9	450	25
NGC 3779	IC 717	GALXY CRT	11 38.9	-10 37	14.0	99.9	282	13
NGC 3781		GALXY LEO	11 39.0	+26 22	13.7	99.9	147	06
NGC 3783		GALXY CEN	11 39.0	-37 45	11.7	12.9	367	20
NGC 3771		GALXY CRT	11 39.2	-09 20	12.6	13.2	282	13
PK296- 6.1		PLNNB MUS	11 39.2	-68 52	99.9	99.9	450	25
NGC 3782	H II 732	GALXY UMA	11 39.3	+46 31	12.4	12.9	074	06
NGC 3784		GALXY LEO	11 39.4	+26 20	14.3	12.8	147	06
NGC 3793		GALXY UMA	11 39.4	+31 52	15.5	99.9	106	06
NGC 3780	H I 227	GALXY UMA	11 39.4	+56 16	11.5	13.5	047	02
UGC 6616		GALXY UMA	11 39.4	+58 16	13.1	14.7	047	02
NGC 3795A	H II 839	GALXY UMA	11 39.4	+58 17	14.2	99.9	047	02
NGC 3785	UGC 6620	GALXY LEO	11 39.5	+26 19	14.2	13.0	147	06
NGC 3794	NGC 3804	GALXY UMA	11 39.6	+55 11	15.0	99.9	047	02
NGC 3787		GALXY LEO	11 39.7	+20 29	14.7	99.9	147	06
NGC 3786	UGC 6621	GALXY UMA	11 39.7	+31 55	12.3	13.3	106	06
NGC 3788	UGC 6623	GALXY UMA	11 39.7	+31 56	12.6	12.8	106	06
NGC 3792		NONEX VIR	11 39.8	+05 00	99.9	99.9	237	13
NGC 3790	H III 109	GALXY LEO	11 39.8	+17 43	13.9	12.6	147	13
NGC 3791	H III 609	GALXY CRT	11 39.8	-09 23	14.5	99.9	282	13
NGC 3797		NONEX UMA	11 40.1	+31 54	99.9	99.9	107	06
UGC 6628	MCG +08-21-089	GALXY UMA	11 40.1	+45 55	12.7	14.8	074	06
NGC 3795	H III 844	GALXY UMA	11 40.1	+58 37	13.1	13.1	047	02
NGC 3799	UGC 6630	GALXY LEO	11 40.2	+15 20	13.9	12.8	192	13
NGC 3800	H II 103	GALXY LEO	11 40.2	+15 21	12.7	12.8	192	13
NGC 3798	H II 340	GALXY LEO	11 40.2	+24 43	12.1	13.6	147	06
IC 719	UGC 6633	GALXY VIR	11 40.3	+09 00	13.1	12.2	192	13
NGC 3801	H II 161	GALXY LEO	11 40.3	+17 44	12.0	14.1	147	13
NGC 3802	H III 30	GALXY LEO	11 40.3	+17 46	13.3	11.9	147	13
NGC 3803		GALXY LEO	11 40.3	+17 49	99.9	99.9	147	13
UGC 6637	Mrk 1507	GALXY UMA	11 40.4	+28 23	14.0	12.4	107	06
NGC 3796		GALXY UMA	11 40.6	+60 18	12.5	12.6	047	02
NGC 3808	H III 338	GALXY LEO	11 40.7	+22 27	13.4	13.7	147	06
NGC 3807	NGC 3806	NONEX LEO	11 40.8	+17 47	99.9	99.9	147	13
NGC 3806	UGC 6641	GALXY LEO	11 40.8	+17 48	13.6	14.1	147	13
NGC 3805	H III 375	GALXY LEO	11 40.8	+20 22	12.6	13.0	147	06
NGC 3804	NGC 3794	GALXY UMA	11 40.9	+56 12	12.9	14.0	047	02
NGC 3810	H I 21	GALXY LEO	11 41.0	+11 28	10.8	13.4	192	13
NGC 3812	H III 320	GALXY LEO	11 41.1	+24 51	12.4	13.4	147	06
NGC 3813	H I 94	GALXY UMA	11 41.3	+36 33	11.6	12.5	107	06
NGC 3811	H II 737	GALXY UMA	11 41.3	+47 42	12.3	13.5	074	06

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NGC 3809		GALXY	UMA	11 41.3	+59 54	12.7	12.4	047	02
NGC 3814		GALXY	LEO	11 41.5	+24 49	15.6	99.9	147	06
NGC 3815	H III 339	GALXY	LEO	11 41.7	+24 49	13.0	13.3	147	06
PK294- 0.1	He2-72	PLNNB	CEN	11 41.7	-62 29	99.9	99.9	450	25
NGC 3816	UGC 6656	GALXY	LEO	11 41.8	+20 07	12.5	13.2	147	06
NGC 3817	UGC 6657	GALXY	LEO	11 41.9	+10 19	13.3	13.1	192	13
NGC 3818	H III 284	GALXY	VIR	11 42.0	-06 09	11.7	12.7	282	13
NGC 3819		GALXY	LEO	11 42.1	+10 22	13.8	13.0	192	13
NGC 3820		GALXY	LEO	11 42.1	+10 24	14.4	13.0	192	13
NGC 3822	H II 153	GALXY	VIR	11 42.2	+10 17	13.1	13.1	192	13
NGC 3821	H III 376	GALXY	LEO	11 42.2	+20 20	12.9	13.4	147	06
NGC 3823		GALXY	CRT	11 42.2	-13 51	14.0	99.9	282	13
NGC 3825	H II 154	GALXY	VIR	11 42.4	+10 17	13.0	13.2	192	13
UGC 6670		GALXY	LEO	11 42.4	+18 19	12.9	13.8	147	13
NGC 3826	H II 341	GALXY	LEO	11 42.4	+26 30	13.4	12.9	147	06
UGC 6667		GALXY	UMA	11 42.4	+51 36	13.5	13.8	047	02
NGC 3827	UGC 6673	GALXY	LEO	11 42.6	+18 51	13.3	12.7	147	13
NGC 3824	H III 774	GALXY	UMA	11 42.8	+52 47	13.6	13.3	047	02
NGC 3828		GALXY	LEO	11 42.9	+16 30	15.5	99.9	192	13
UGC 6680		GALXY	LEO	11 43.0	+19 39	14.2	13.6	147	13
NGC 3901	H III 970	GALXY	CAM	11 43.0	+77 24	13.7	13.9	009	02
Lynga 15		OPNCL	CEN	11 43.0	-62 04	99.9	99.9	450	25
NGC 3830		GALXY	LEO	11 43.2	+26 35	14.7	99.9	147	06
NGC 3831		GALXY	CRT	11 43.2	-12 52	14.0	99.9	282	13
NGC 3833	H III 102	GALXY	VIR	11 43.5	+10 10	13.5	13.4	192	13
NGC 3832	H III 340	GALXY	LEO	11 43.5	+22 44	13.0	14.1	147	06
NGC 3829	H III 775	GALXY	UMA	11 43.5	+52 43	14.0	13.5	047	02
NGC 3836		GALXY	CRT	11 43.5	-16 48	13.0	99.9	282	13
NGC 3834		GALXY	LEO	11 43.6	+19 05	13.4	13.6	147	13
NGC 3848	H III 35	GALXY	VIR	11 43.7	+10 16	15.0	99.9	192	13
UGC 6697		GALXY	LEO	11 43.8	+19 57	13.6	12.9	147	13
NGC 3843		GALXY	VIR	11 43.9	+07 56	13.5	12.2	192	13
NGC 3839		GALXY	LEO	11 43.9	+10 48	13.6	12.7	192	13
NGC 3837	UGC 6701	GALXY	LEO	11 43.9	+19 54	13.3	12.2	147	13
NGC 3840	UGC 6702	GALXY	LEO	11 43.9	+20 05	13.8	13.5	147	06
NGC 3842	H III 377	GALXY	LEO	11 44.0	+19 57	11.8	12.2	147	13
NGC 3841		GALXY	LEO	11 44.0	+19 59	13.6	12.6	147	13
NGC 3844	UGC 6705	GALXY	LEO	11 44.0	+20 02	13.9	12.4	147	06
Stock 14		OPNCL	CEN	11 44.0	-62 30	06.3	99.9	450	25
NGC 3845		GALXY	LEO	11 44.1	+20 00	14.0	12.5	147	06
NGC 3835		GALXY	UMA	11 44.1	+60 07	12.4	12.7	047	02
NGC 3849		NONEX	VIR	11 44.2	+03 10	99.9	99.9	237	13
NGC 3847	UGC 6708	GALXY	UMA	11 44.2	+33 21	13.3	13.5	107	06
NGC 3846A		GALXY	UMA	11 44.2	+55 03	13.3	14.3	047	02
NGC 3838	H II 831	GALXY	UMA	11 44.2	+57 57	12.3	12.2	047	02
Wild's triplet		GALXY	VIR	11 44.2	-03 03	13.3	99.9	237	13
Ru 95		OPNCL	CEN	11 44.2	-59 25	99.9	99.9	428	25
NGC 3851	H III 378	GALXY	LEO	11 44.3	+19 59	15.2	99.9	147	13
NGC 3855		GALXY	UMA	11 44.3	+33 20	15.6	99.9	107	06

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NGC 3852	NGC 3848?	NONEX	VIR	11	44.4	+10	18	99.9	99.9	192	13
NGC 3853	UGC 6712	GALXY	LEO	11	44.4	+16	34	12.4	13.0	192	13
NGC 3856	NGC 3855	NONEX	UMA	11	44.4	+33	20	99.9	99.9	107	06
Abell 1367		GALCL	LEO	11	44.5	+19	50	14.0	99.9	147	06
UGC 6713		GALXY	UMA	11	44.5	+48	50	14.5	14.9	074	06
NGC 3846	UGC 6710	GALXY	UMA	11	44.5	+55	40	13.9	13.5	047	02
UGC 6711		GALXY	DRA	11	44.5	+69	44	13.2	11.9	025	02
NGC 3854		NONEX	CRT	11	44.5	-09	22	99.9	99.9	282	13
NGC 3860B		GALXY	LEO	11	44.6	+19	48	15.5	99.9	147	13
NGC 3860A	H III 386	GALXY	LEO	11	44.6	+19	49	14.5	99.9	147	13
UGC 6719		GALXY	LEO	11	44.7	+20	07	13.6	13.4	147	06
NGC 3857		GALXY	LEO	11	44.8	+19	33	14.1	13.4	147	13
NGC 3861B		GALXY	LEO	11	44.8	+19	59	15.0	99.9	147	13
NGC 3861A	UGC 6724	GALXY	LEO	11	44.8	+20	00	14.0	99.9	147	06
NGC 3859	UGC 6721	GALXY	LEO	11	44.9	+19	28	14.1	13.0	147	13
NGC 3865	NGC 3854	GALXY	CRT	11	44.9	-09	14	12.0	13.1	282	13
NGC 3858		NONEX	CRT	11	44.9	-09	16	99.9	99.9	282	13
NGC 3863		GALXY	VIR	11	45.1	+08	29	12.9	13.3	192	13
NGC 3862	H III 385	GALXY	LEO	11	45.1	+19	36	12.7	13.5	147	13
UGC 6725		GALXY	LEO	11	45.1	+20	26	12.9	13.5	147	06
NGC 3864		GALXY	LEO	11	45.2	+19	24	14.1	13.4	147	13
NGC 3866	NGC 3858	GALXY	CRT	11	45.3	-09	20	14.0	99.9	282	13
NGC 3876	H III 103	GALXY	VIR	11	45.4	+09	11	12.8	12.4	192	13
NGC 3867	UGC 6731	GALXY	LEO	11	45.4	+19	24	13.2	12.9	147	13
NGC 3868		GALXY	LEO	11	45.4	+19	27	14.3	12.5	147	13
Abell 1377	Ursa Major I	GALCL	UMA	11	45.6	+55	53	14.0	99.9	047	02
NGC 3850	H III 776	GALXY	UMA	11	45.6	+55	53	13.3	14.1	047	02
NGC 3873	UGC 6735	GALXY	LEO	11	45.7	+19	47	12.9	13.5	147	13
NGC 3874	H III 104	2STAR	VIR	11	45.8	+08	33	99.9	99.9	192	13
NGC 3869		GALXY	LEO	11	45.8	+10	50	12.8	12.6	192	13
NGC 3872	H II 104	GALXY	LEO	11	45.8	+13	46	11.7	12.6	192	13
NGC 3875	H III 387	GALXY	LEO	11	45.8	+19	46	13.9	12.3	147	13
NGC 3870	H III 833	GALXY	UMA	11	45.9	+50	12	13.0	12.8	047	02
NGC 3877	H I 201	GALXY	UMA	11	46.1	+47	30	11.0	13.0	074	06
NGC 3882		GALXY	CEN	11	46.1	-56	22	99.9	99.9	428	25
NGC 3884	H III 388	GALXY	LEO	11	46.2	+20	25	12.6	13.6	147	06
NGC 3871		GALXY	UMA	11	46.2	+33	05	15.4	99.9	107	06
NGC 3878		GALXY	UMA	11	46.2	+33	12	15.5	99.9	107	06
NGC 3880		GALXY	UMA	11	46.3	+33	10	13.8	12.7	107	06
NGC 3881		GALXY	UMA	11	46.5	+33	07	15.2	99.9	107	06
NGC 3883	H III 372	GALXY	LEO	11	46.8	+20	42	12.6	14.6	147	06
NGC 3885	H III 828	GALXY	HYA	11	46.8	-27	55	11.9	12.6	327	20
NGC 3879	H II 881	GALXY	DRA	11	46.9	+69	24	13.1	13.2	025	02
NGC 3886		GALXY	LEO	11	47.1	+19	51	13.1	13.0	147	13
NGC 3887	H I 120	GALXY	CRT	11	47.1	-16	51	10.6	12.8	282	13
NGC 3835A		GALXY	UMA	11	47.2	+60	18	14.0	99.9	047	02
NGC 3888	H II 785	GALXY	UMA	11	47.6	+55	58	12.1	12.9	047	02
NGC 3889		GALXY	UMA	11	47.9	+56	02	99.9	99.9	047	02
NGC 3891	H II 723	GALXY	UMA	11	48.0	+30	23	12.4	13.6	107	06

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NGC 3892	H II 553	GALXY CRT	11 48.0	-10 58	11.5	13.4	282	13
NGC 3893	H II 738	GALXY UMA	11 48.6	+48 43	10.5	13.0	074	06
PK296- 3.1		PLNNB CEN	11 48.6	-65 08	99.9	99.9	450	25
NGC 3894	H I 248	GALXY UMA	11 48.8	+59 25	11.6	13.4	047	02
NGC 3896	H II 739	GALXY UMA	11 48.9	+48 41	12.9	13.1	074	06
UGC 6780		GALXY VIR	11 48.9	-02 02	13.0	14.1	237	13
NGC 3897	H II 408	GALXY UMA	11 49.0	+35 01	12.9	14.2	107	06
NGC 3895	H II 832	GALXY UMA	11 49.1	+59 26	13.1	13.2	047	02
NGC 3905		GALXY CRT	11 49.1	-09 44	12.8	13.7	282	13
NGC 3903		GALXY CEN	11 49.1	-37 30	12.8	12.7	368	20
NGC 3899	NGC 3912?	NONEX LEO	11 49.2	+26 28	99.9	99.9	147	06
NGC 3900	H I 82	GALXY LEO	11 49.2	+27 01	11.4	13.0	147	06
NGC 3898	H I 228	GALXY UMA	11 49.2	+56 05	10.7	13.2	047	02
NGC 3904	H II 864	GALXY HYA	11 49.2	-29 17	10.9	12.6	368	20
NGC 3902	H III 321	GALXY LEO	11 49.3	+26 07	12.8	13.5	147	06
NGC 3911	H III 341	GALXY LEO	11 49.4	+24 57	13.8	13.6	147	06
NGC 3890	H III 940	GALXY DRA	11 49.4	+74 20	13.1	12.8	009	02
NGC 3907B	UGC 6793	GALXY VIR	11 49.4	-01 04	14.8	99.9	237	13
NGC 3907A	UGC 6796	GALXY VIR	11 49.5	-01 04	14.4	99.9	237	13
NGC 3909		OPNCL CEN	11 49.6	-48 15	99.9	99.9	401	20
NGC 3906	H III 715	GALXY UMA	11 49.7	+48 26	12.9	14.0	074	06
NGC 3908		GALXY LEO	11 49.9	+12 11	99.9	99.9	192	13
NGC 3910	UGC 6800	GALXY LEO	11 50.0	+21 22	12.8	13.4	147	06
NGC 3920	UGC 6803	GALXY LEO	11 50.1	+24 57	13.1	12.9	147	06
NGC 3912		GALXY LEO	11 50.1	+26 29	12.4	12.6	147	06
NGC 3172	ZWG 370.002	GALXY UMI	11 50.3	+89 06	14.9	99.9	001	02
NGC 3918	PK294+4.1	PLNNB CEN	11 50.3	-57 11	08.4	99.9	428	25
IC 2966		BRTNB MUS	11 50.4	-64 54	99.9	99.9	450	25
NGC 3914	H III 90	GALXY VIR	11 50.6	+06 35	13.2	12.6	192	13
NGC 3919	UGC 6810	GALXY LEO	11 50.6	+20 01	13.3	13.1	147	06
IC 740	UGC 6813	GALXY UMA	11 50.6	+55 21	12.6	14.5	047	02
NGC 3913	IC 740	GALXY UMA	11 50.6	+55 21	12.6	14.5	047	02
NGC 3915	H III 113	NONEX VIR	11 50.6	-05 08	99.9	99.9	237	13
UGC 6817		GALXY UMA	11 50.8	+38 52	13.1	14.9	107	06
NGC 3917	H II 824	GALXY UMA	11 50.8	+51 50	11.8	13.7	047	02
NGC 3916	H II 787	GALXY UMA	11 50.8	+55 09	13.9	13.3	047	02
NGC 3960	Mel 108	OPNCL CEN	11 50.9	-55 42	08.3	99.9	428	25
NGC 3923	H I 259	GALXY HYA	11 51.0	-28 48	09.8	13.2	368	20
NGC 3921	H II 788	GALXY UMA	11 51.1	+55 05	12.4	13.4	047	02
NGC 3922	H III 716	GALXY UMA	11 51.2	+50 11	12.8	12.9	047	02
NGC 3931	H III 769	GALXY UMA	11 51.2	+52 00	13.4	13.3	047	02
NGC 3917A		GALXY UMA	11 51.2	+52 01	14.5	99.9	047	02
NGC 3925		GALXY LEO	11 51.3	+21 55	15.3	99.9	147	06
NGC 3942		GALXY CRT	11 51.4	-11 24	14.0	99.9	282	13
NGC 3926A	H III 379	GALXY LEO	11 51.5	+22 03	14.7	99.9	147	06
NGC 3926B	UGC 6829	GALXY LEO	11 51.5	+22 03	14.7	99.9	147	06
NGC 3927		NONEX LEO	11 51.6	+28 09	99.9	99.9	107	06
NGC 3930A		GALXY UMA	11 51.6	+38 02	16.0	99.9	107	06
NGC 3929		GALXY LEO	11 51.7	+21 01	14.0	12.2	147	06

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NGC 3930	H III 616	GALXY	UMA	11 51.8	+38 01	12.4	14.4	107	06
NGC 3928	H II 740	GALXY	UMA	11 51.8	+48 41	12.6	13.3	074	06
Ru 96		OPNCL	CEN	11 51.9	-60 28	99.9	99.9	428	25
NGC 3933		GALXY	LEO	11 52.0	+16 49	13.6	13.0	192	13
UGC 6840		GALXY	UMA	11 52.1	+52 06	13.9	13.8	047	02
NGC 3934	UGC 6841	GALXY	LEO	11 52.2	+16 52	13.5	13.4	192	13
NGC 3936		GALXY	HYA	11 52.3	-26 54	12.0	12.8	327	20
NGC 3935		GALXY	UMA	11 52.4	+32 25	13.2	12.4	107	06
NGC 3932		GALXY	UMA	11 52.5	+48 28	15.1	99.9	074	06
NGC 3924	NGC 3922	GALXY	UMA	11 52.6	+50 01	15.7	99.9	047	02
NGC 3937	IC 2968,UGC 6851	GALXY	LEO	11 52.7	+20 39	12.5	13.5	147	06
NGC 3940	H III 380	GALXY	LEO	11 52.7	+21 01	12.8	13.9	147	06
NGC 3938	H I 203	GALXY	UMA	11 52.8	+44 07	10.4	13.8	074	06
NGC 3943		GALXY	LEO	11 52.9	+20 30	13.3	13.3	147	06
NGC 3941	H I 173	GALXY	UMA	11 52.9	+36 59	10.3	12.5	107	06
NGC 3944	H III 322	GALXY	LEO	11 53.1	+26 14	12.9	13.3	147	06
NGC 3945	H I 251	GALXY	UMA	11 53.2	+60 41	10.9	13.9	047	02
NGC 3939	H III 971	NONEX	DRA	11 53.2	+75 07	99.9	99.9	009	02
NGC 3947	H II 403	GALXY	LEO	11 53.4	+20 45	13.1	13.6	147	06
NGC 3948		NONEX	LEO	11 53.4	+20 59	99.9	99.9	147	06
NGC 3946		GALXY	LEO	11 53.4	+21 03	15.5	99.9	147	06
NGC 3954	H III 381	GALXY	LEO	11 53.7	+20 54	13.6	12.5	147	06
NGC 3951	H III 342	GALXY	LEO	11 53.7	+23 24	13.6	12.9	147	06
NGC 3949	H I 202	GALXY	UMA	11 53.7	+47 52	11.1	12.6	074	06
NGC 3950		GALXY	UMA	11 53.7	+47 56	15.5	99.9	074	06
NGC 3952	IC 2972	GALXY	VIR	11 53.7	-04 00	13.1	13.1	237	13
NGC 3953	H V 45	GALXY	UMA	11 53.8	+52 20	10.1	13.4	047	02
NGC 3957	IC 2965	GALXY	CRT	11 54.0	-19 34	11.8	12.5	327	13
NGC 3956	H III 290	GALXY	CRT	11 54.0	-20 34	12.1	13.3	327	20
NGC 3955	H II 623	GALXY	CRT	11 54.0	-23 10	11.9	12.9	327	20
IC 745	UGC 6877	GALXY	VIR	11 54.3	+00 08	13.2	12.1	237	13
NGC 3958	H II 833	GALXY	UMA	11 54.6	+58 22	13.0	12.8	047	02
NGC 3959		GALXY	CRT	11 54.6	-07 44	14.0	99.9	282	13
NGC 3962	H I 67	GALXY	CRT	11 54.7	-13 58	10.7	12.6	282	13
NGC 3964		GALXY	LEO	11 54.8	+28 16	13.9	13.2	107	06
NGC 3963	H IV 67	GALXY	UMA	11 55.0	+58 30	11.9	13.9	047	02
NGC 3961	H III 905	GALXY	DRA	11 55.0	+69 20	13.5	13.9	025	02
NGC 3965		NONEX	CRT	11 55.1	-10 52	99.9	99.9	282	13
NGC 3969		GALXY	CRT	11 55.1	-18 56	13.0	13.0	327	13
NGC 3967		GALXY	CRT	11 55.2	-07 50	15.0	99.9	282	13
NGC 3970		GALXY	CRT	11 55.3	-12 02	14.0	99.9	282	13
NGC 3968	H II 162	GALXY	LEO	11 55.5	+11 58	11.8	13.4	192	13
NGC 3973		GALXY	LEO	11 55.6	+12 01	15.4	99.9	192	13
NGC 3971	H II 724	GALXY	UMA	11 55.6	+30 00	12.7	13.1	107	06
UGC 6903		GALXY	VIR	11 55.7	+01 15	12.3	14.1	237	13
NGC 3966		GALXY	UMA	11 55.7	+32 12	14.5	12.2	107	06
NGC 3974		GALXY	CRT	11 55.7	-12 00	14.0	99.9	282	13
NGC 3972	H II 789	GALXY	UMA	11 55.8	+55 19	12.3	13.7	047	02
NGC 3975		GALXY	UMA	11 55.9	+60 32	15.0	99.9	047	02

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NGC 3976A		GALXY	VIR	11 56.0	+06 42	15.5	99.9	192	13
NGC 3976	H II 132	GALXY	VIR	11 56.0	+06 45	11.5	13.0	192	13
NGC 3980	NGC 3977	NONEX	UMA	11 56.1	+55 23	99.9	99.9	047	02
NGC 3977		GALXY	UMA	11 56.1	+55 24	13.4	14.3	047	02
NGC 3979	IC 2976,UGC 6907	GALXY	VIR	11 56.1	-02 42	14.2	99.9	237	13
NGC 3981	H III 274	GALXY	CRT	11 56.1	-19 54	11.3	13.9	327	13
NGC 3978	H II 840	GALXY	UMA	11 56.2	+60 31	12.7	13.5	047	02
UGC 6912		GALXY	UMA	11 56.3	+58 11	13.6	14.3	047	02
NGC 3983	H III 343	GALXY	LEO	11 56.4	+23 53	14.0	12.8	147	06
IC 2978	UGC 6915	GALXY	UMA	11 56.4	+32 01	14.6	13.6	107	07
UGC 6917	MCG +09-20-038	GALXY	UMA	11 56.5	+50 25	12.6	14.6	047	02
NGC 3982	H IV 62	GALXY	UMA	11 56.5	+55 08	11.0	12.5	047	02
NGC 3986		GALXY	UMA	11 56.7	+32 01	12.6	13.3	107	06
NGC 3985	H III 707	GALXY	UMA	11 56.7	+48 20	12.6	12.6	074	06
NGC 3987	UGC 6928	GALXY	LEO	11 57.3	+25 12	12.9	12.7	147	06
UGC 6930	MCG +08-22-046	GALXY	UMA	11 57.3	+49 16	12.1	14.6	074	06
Ru 97		OPNCL	CRU	11 57.3	-62 39	09.1	99.9	450	25
NGC 3989		GALXY	LEO	11 57.4	+25 14	14.7	12.9	147	06
NGC 3988		GALXY	LEO	11 57.4	+27 53	13.3	99.9	147	06
NGC 3991	UGC 6933	GALXY	UMA	11 57.5	+32 20	13.1	12.4	107	06
NGC 3993	UGC 6935	GALXY	LEO	11 57.6	+25 15	13.7	13.4	147	06
NGC 3994	UGC 6936	GALXY	UMA	11 57.6	+32 17	12.7	12.0	107	06
NGC 3992	M 109	GALXY	UMA	11 57.6	+53 23	09.8	13.6	047	02
NGC 3990	H II 791	GALXY	UMA	11 57.6	+55 28	12.6	12.6	047	02
NGC 3995	UGC 6944	GALXY	UMA	11 57.7	+32 18	12.4	13.4	107	06
NGC 3996		GALXY	LEO	11 57.8	+14 19	13.4	12.8	192	13
NGC 3997	UGC 6942	GALXY	LEO	11 57.8	+25 16	13.4	13.3	147	06
NGC 3984		GALXY	UMA	11 57.8	+29 03	13.5	13.7	107	06
MCG +09-20-046		GALXY	UMA	11 57.8	+55 28	11.8	99.9	047	02
NGC 4004B		GALXY	LEO	11 57.9	+27 54	15.0	99.9	147	06
NGC 3998	H I 229	GALXY	UMA	11 57.9	+55 27	10.7	12.5	047	02
NGC 4003	NGC 4007	GALXY	LEO	11 58.0	+23 08	13.3	13.4	147	06
NGC 4002	H III 344	GALXY	LEO	11 58.0	+23 13	14.0	12.6	147	06
NGC 4000	UGC 6949	GALXY	LEO	11 58.0	+25 09	14.5	12.7	147	06
NGC 4004A	H III 354	GALXY	LEO	11 58.0	+27 53	14.0	99.9	147	06
Ru 98		OPNCL	CRU	11 58.0	-64 29	07	99.9	450	25
NGC 4007	H III 325	NONEX	LEO	11 58.1	+23 08	99.9	99.9	147	06
NGC 4001		GALXY	UMA	11 58.1	+47 20	15.6	99.9	074	06
NGC 4005		GALXY	LEO	11 58.2	+25 08	13.1	12.8	147	06
NGC 4006	IC 2983	GALXY	VIR	11 58.2	-02 05	12.6	13.3	237	13
NGC 4008	H II 368	GALXY	LEO	11 58.3	+28 12	12.0	13.3	107	06
NGC 4011		GALXY	LEO	11 58.4	+25 07	15.7	99.9	147	06
NGC 4009		GALXY	LEO	11 58.4	+25 13	99.9	99.9	147	06
UGC 6955		GALXY	UMA	11 58.4	+38 04	13.3	15.9	107	06
NGC 4012		GALXY	VIR	11 58.5	+10 02	13.4	13.4	192	13
NGC 4016	UGC 6954,Arp 305a	GALXY	COM	11 58.5	+27 33	13.3	13.4	147	06
NGC 4014	UGC 6961	GALXY	COM	11 58.6	+16 11	12.3	13.3	192	13
IC 749	UGC 6962	GALXY	UMA	11 58.6	+42 44	12.4	13.8	074	06
NGC 4013	H II 733	GALXY	UMA	11 58.6	+43 58	11.2	12.9	074	06

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NGC 4010	UGC 6964	GALXY	UMA	11 58.6	+47 16	12.6	13.7	074	06
NGC 4024	H II 295	GALXY	CRV	11 58.6	-18 21	11.7	12.7	327	13
NGC 4015	H III 323?	GALXY	COM	11 58.7	+25 03	14.2	99.9	147	06
NGC 4018	UGC 6966	GALXY	COM	11 58.7	+25 20	13.8	13.0	147	06
NGC 4019		NONEX	COM	11 58.9	+14 13	99.9	99.9	192	13
NGC 4017	H II 369	GALXY	COM	11 58.9	+27 29	12.2	13.0	147	06
IC 750	UGC 6973	GALXY	UMA	11 58.9	+42 43	11.9	13.0	074	06
NGC 4021	H III 324	GALXY	COM	11 59.0	+25 06	15.3	99.9	147	06
NGC 4022		GALXY	COM	11 59.0	+25 14	13.0	13.3	147	06
NGC 4020	H II 725	GALXY	UMA	11 59.0	+30 25	12.7	13.3	107	06
NGC 4023		GALXY	COM	11 59.1	+25 00	13.6	12.9	147	06
NGC 4025	H III 617	GALXY	UMA	11 59.2	+37 48	13.6	15.0	107	06
UGC 6983		GALXY	UMA	11 59.2	+52 42	12.4	14.6	047	02
NGC 3999		GALXY	LEO	11 59.3	+24 56	15.7	99.9	147	06
NGC 4026	H I 223	GALXY	UMA	11 59.4	+50 58	10.8	12.7	047	02
MCG +09-20-052		GALXY	UMA	11 59.5	+50 55	11.7	99.9	047	02
NGC 4027	H II 296	GALXY	CRV	11 59.6	-19 15	11.1	13.2	327	13
NGC 4028	H III 3	NONEX	COM	11 59.9	+16 14	99.9	99.9	192	13
NGC 4029	UGC 6990	GALXY	VIR	12 00.1	+08 12	13.5	13.2	193	13
NGC 4030	H I 121	GALXY	VIR	12 00.4	-01 05	10.6	13.2	238	13
NGC 4031		GALXY	UMA	12 00.5	+31 57	14.3	12.4	107	07
NGC 4035	H III 279	GALXY	CRV	12 00.5	-15 57	14.0	99.9	283	13
NGC 4032	H II 404	GALXY	COM	12 00.6	+20 05	12.3	13.4	148	07
NGC 4033	H II 508	GALXY	CRV	12 00.6	-17 50	11.7	12.8	328	13
NGC 4037	H III 77	GALXY	COM	12 01.4	+13 25	11.9	13.5	193	13
NGC 4036	H I 253	GALXY	UMA	12 01.5	+61 54	10.7	12.7	025	02
NGC 4034	H III 903	GALXY	DRA	12 01.5	+69 19	13.5	14.1	025	02
NGC 4038	H IV 28	GALXY	CRV	12 01.9	-18 51	10.3	13.1	328	13
NGC 4039	H II 282	GALXY	CRV	12 01.9	-18 52	10.6	12.1	328	13
NGC 4052		OPNCL	CRU	12 01.9	-63 12	08.8	99.9	450	25
NGC 4040		GALXY	COM	12 02.2	+17 50	13.3	14.3	148	13
NGC 4041	H I 252	GALXY	UMA	12 02.2	+62 09	11.3	13.2	025	02
NGC 4043		GALXY	VIR	12 02.4	+04 21	13.6	12.2	238	13
NGC 4042		NONEX	COM	12 02.4	+20 09	99.9	99.9	148	07
NGC 4044	H III 491	GALXY	VIR	12 02.5	-00 11	13.0	13.2	238	13
UGC 7020	Mrk 195	GALXY	UMA	12 02.6	+64 22	13.2	14.6	025	02
NGC 4045	H II 276	GALXY	VIR	12 02.7	+02 01	12.0	13.6	238	13
NGC 4046		NONEX	VIR	12 02.7	+02 01	99.9	99.9	238	13
NGC 4045A	Ho 320b?	GALXY	VIR	12 02.8	+01 58	14.4	12.7	238	13
NGC 4048	UGC 7023	GALXY	COM	12 02.9	+18 01	13.6	12.1	148	13
NGC 4049	H III 390	GALXY	COM	12 03.0	+18 46	13.3	12.5	148	13
Cr 285		OPNCL	UMA	12 03.0	+58 00	0.4	99.9	047	02
NGC 4050	H II 509	GALXY	CRV	12 03.0	-16 22	12.2	14.1	283	13
Ru 99		OPNCL	CRU	12 03.0	-62 45	99.9	99.9	450	25
NGC 4053		GALXY	COM	12 03.2	+19 44	14.6	99.9	148	13
NGC 4054	H III 794	GALXY	UMA	12 03.2	+57 54	15.2	99.9	047	02
NGC 4055		NONEX	COM	12 03.7	+21 04	99.9	99.9	148	07
NGC 4058		GALXY	VIR	12 03.8	+03 34	13.1	12.6	238	13
NGC 4059		NONEX	COM	12 03.9	+21 19	99.9	99.9	148	07

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NGC 4047	H II 741	GALXY	UMA	12 03.9	+48 39	12.2	12.8	074	07
NGC 4056		GALXY	COM	12 04.0	+20 19	99.9	99.9	148	07
NGC 4063		GALXY	VIR	12 04.1	+01 52	15.0	99.9	238	13
NGC 4061	H III 394	GALXY	COM	12 04.1	+20 14	13.1	13.2	148	07
NGC 4060		GALXY	COM	12 04.1	+20 21	15.6	99.9	148	07
NGC 4062	H I 174	GALXY	UMA	12 04.1	+31 55	11.1	13.1	107	07
NGC 4068	H II 781	GALXY	UMA	12 04.1	+52 36	12.5	14.3	047	02
NGC 4067	H III 37	GALXY	VIR	12 04.2	+10 52	12.5	12.8	193	13
NGC 4064		GALXY	COM	12 04.2	+18 27	11.4	13.5	148	13
NGC 4065	H III 395	GALXY	COM	12 04.2	+20 14	12.6	12.7	148	07
NGC 4069	H III 392	GALXY	COM	12 04.2	+20 20	99.9	99.9	148	07
NGC 4066	UGC 7051	GALXY	COM	12 04.2	+20 22	12.9	13.3	148	07
NGC 4070	H III 391	GALXY	COM	12 04.2	+20 26	13.1	13.1	148	07
NGC 4051	H IV 56	GALXY	UMA	12 04.2	+44 33	10.2	13.3	074	07
IC 758	UGC 7056	GALXY	UMA	12 04.2	+62 30	13.3	14.6	025	02
NGC 4071	PK298-4.1	PLNNB	MUS	12 04.2	-67 18	99.9	99.9	450	25
NGC 4072		GALXY	COM	12 04.3	+20 13	15.6	99.9	148	07
NGC 4073	H II 277	GALXY	VIR	12 04.5	+01 55	11.4	13.4	238	13
NGC 4076	H III 396	GALXY	COM	12 04.6	+20 12	13.4	12.9	148	07
NGC 4074	H III 393	GALXY	COM	12 04.6	+20 20	15.4	99.9	148	07
NGC 4081		GALXY	UMA	12 04.6	+64 27	12.9	12.6	025	02
NGC 4077	H III 258	GALXY	VIR	12 04.7	+01 48	13.1	13.1	238	13
NGC 4075		GALXY	VIR	12 04.7	+02 05	13.5	12.9	238	13
NGC 4078	UGC 7066	GALXY	VIR	12 04.8	+10 36	13.2	12.4	193	13
NGC 4079		GALXY	VIR	12 04.9	-02 22	12.4	13.6	238	13
NGC 4080	H III 355	GALXY	COM	12 05.0	+27 00	13.8	13.1	148	07
NGC 4083		GALXY	VIR	12 05.3	+10 37	15.1	99.9	193	13
NGC 4082		GALXY	VIR	12 05.3	+10 41	15.0	99.9	193	13
NGC 4057		GALXY	COM	12 05.3	+20 19	99.9	99.9	148	07
NGC 4084		GALXY	COM	12 05.3	+21 14	14.4	12.4	148	07
NGC 4085	H I 224	GALXY	UMA	12 05.4	+50 22	12.4	13.1	047	02
NGC 4086	UGC 7076	GALXY	COM	12 05.5	+20 15	13.6	13.4	148	07
NGC 4090	IC 2997,UGC 7077	GALXY	COM	12 05.5	+20 19	13.9	13.2	148	07
NGC 4089		GALXY	COM	12 05.6	+20 34	13.6	13.0	148	07
NGC 4088	H I 206	GALXY	UMA	12 05.6	+50 33	10.6	13.2	047	02
NGC 4087	H III 754	GALXY	HYA	12 05.6	-26 33	12.1	13.4	328	21
NGC 4091	UGC 7083	GALXY	COM	12 05.7	+20 34	15.2	99.9	148	07
Ru 100		OPNCL	CRU	12 05.7	-62 01	99.9	99.9	450	25
IC 2995		GALXY	HYA	12 05.8	-27 56	12.2	13.3	328	21
NGC 4092	UGC 7087	GALXY	COM	12 05.9	+20 30	13.2	13.1	148	07
NGC 4093		GALXY	COM	12 05.9	+20 33	15.3	99.9	148	07
UGC 7089		GALXY	UMA	12 05.9	+43 08	13.9	14.6	074	07
NGC 4108A	UGC 7088	GALXY	DRA	12 05.9	+67 16	13.8	13.4	025	02
NGC 4094		GALXY	CRV	12 05.9	-14 32	11.8	13.7	283	13
NGC 4095	H III 382	GALXY	COM	12 06.0	+20 35	13.5	99.9	148	07
NGC 4098	H III 383	GALXY	COM	12 06.1	+20 37	14.5	99.9	148	07
NGC 4099	H III 384	NONEX	COM	12 06.1	+20 39	99.9	99.9	148	07
NGC 4097	H III 400	GALXY	UMA	12 06.1	+36 52	13.4	13.1	107	07
NGC 4096	H I 207	GALXY	UMA	12 06.1	+47 29	10.9	13.4	074	07

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NGC 4101	H III 326	GALXY	COM	12 06.2	+25 34	13.5	13.1	148	07
NGC 4100	H III 717	GALXY	UMA	12 06.2	+49 36	11.2	13.5	074	07
NGC 4102	H I 225	GALXY	UMA	12 06.5	+52 43	11.2	12.8	047	02
NGC 4104	H II 370	GALXY	COM	12 06.7	+28 11	12.1	13.4	107	07
NGC 4105	H II 865	GALXY	HYA	12 06.7	-29 46	10.6	12.5	368	21
NGC 4103		OPNCL	CRU	12 06.7	-61 15	07.4	99.9	450	25
NGC 4107		NONEX	VIR	12 06.8	+10 37	99.9	99.9	193	13
NGC 4108	UGC 7101	GALXY	DRA	12 06.8	+67 11	12.3	13.1	025	02
NGC 4106	H II 866	GALXY	HYA	12 06.8	-29 47	11.4	12.1	368	21
NGC 4109		GALXY	CVN	12 06.9	+43 00	13.9	13.7	074	07
Stock 15		OPNCL	CRU	12 06.9	-59 30	99.9	99.9	428	25
NGC 4110		GALXY	COM	12 07.1	+18 32	13.7	13.5	148	13
NGC 4111	H I 195	GALXY	CVN	12 07.1	+43 05	10.7	12.2	074	07
NGC 4108B	UGC 7106	GALXY	DRA	12 07.1	+67 15	13.7	14.0	025	02
NGC 4112		GALXY	CEN	12 07.1	-40 11	12.0	12.3	401	21
NGC 4115		NONEX	COM	12 07.2	+14 25	99.9	99.9	193	13
NGC 4122		GALXY	COM	12 07.2	+33 00	15.0	99.9	107	07
NGC 4113		NONEX	CVN	12 07.2	+34 00	99.9	99.9	107	07
NGC 4114	H III 533	GALXY	CRV	12 07.3	-14 11	13.0	99.9	283	13
NGC 4116		GALXY	VIR	12 07.7	+02 42	12.0	14.1	238	13
NGC 4117	H III 708	GALXY	CVN	12 07.8	+43 08	13.0	13.4	074	07
NGC 4121		GALXY	DRA	12 07.8	+65 08	13.5	13.3	025	02
NGC 4119	H II 14	NONEX	VIR	12 07.9	+09 33	99.9	99.9	193	13
NGC 4118		GALXY	CVN	12 07.9	+43 07	14.6	13.1	074	07
NGC 4125	UGC 7118	GALXY	DRA	12 08.0	+65 11	09.7	12.9	025	02
NGC 4128A	Ho 337b?	GALXY	DRA	12 08.0	+68 47	15.5	99.9	025	02
NGC 4123	H V 4	GALXY	VIR	12 08.2	+02 53	11.4	14.1	238	13
NGC 4124	UGC 7117	GALXY	VIR	12 08.2	+10 23	11.4	13.2	193	13
NGC 4127	H I 279	GALXY	CAM	12 08.4	+76 49	12.6	13.7	009	02
PK298- 1.2	He2-76	PLNNB	CRU	12 08.4	-64 12	12.4	99.9	450	25
NGC 4128	H I 263	GALXY	DRA	12 08.5	+68 47	12.0	12.7	025	02
NGC 4120	H III 904	GALXY	DRA	12 08.5	+69 33	13.5	13.1	025	02
NGC 4133	H I 278	GALXY	DRA	12 08.6	+74 56	12.3	13.1	009	02
NGC 4126	H III 68	GALXY	COM	12 08.7	+16 09	13.4	13.1	193	13
UGC 7125		GALXY	CVN	12 08.7	+36 48	13.7	14.9	107	07
NGC 4131	H III 356	GALXY	COM	12 08.8	+29 19	13.1	12.9	107	07
NGC 4130		NONEX	VIR	12 08.9	-04 00	99.9	99.9	238	13
NGC 4129	H II 548	GALXY	VIR	12 08.9	-09 01	12.5	12.7	283	13
Ru 101		OPNCL	CRU	12 09.0	-61 41	99.9	99.9	450	25
PK298- 0.1	He2-77	BRTNB	CRU	12 09.0	-63 16	11.0	99.9	450	25
NGC 4132	H III 357	GALXY	COM	12 09.1	+29 15	13.9	12.6	107	07
NGC 4134	H II 371	GALXY	COM	12 09.2	+29 11	12.8	13.3	107	07
NGC 4135		GALXY	CVN	12 09.2	+44 01	13.9	13.2	074	07
PK297+ 3.1		PLNNB	CRU	12 09.2	-58 43	99.9	99.9	428	25
NGC 4136	H II 321	GALXY	COM	12 09.4	+29 56	11.0	13.8	107	07
NGC 4137		GALXY	CVN	12 09.4	+44 06	14.1	13.7	074	07
NGC 4139	MCG +00-31-030	GALXY	VIR	12 04.5	+01 48	13.7	12.8	238	13
NGC 4138	H I 196	GALXY	CVN	12 09.6	+43 42	11.3	12.8	074	07
NGC 4142	H III 814	GALXY	UMA	12 09.6	+53 07	13.3	14.2	047	02

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NGC 4140		NONEX	VIR	12 09.7	+01 48	99.9	99.9	238	13
NGC 4143	H IV 54	GALXY	CVN	12 09.7	+42 33	10.6	11.8	074	07
NGC 4141	H III 795	GALXY	UMA	12 09.7	+58 51	13.7	13.7	047	02
NGC 4147	H I 19	GLOCL	COM	12 10.1	+18 33	10.3	99.9	148	13
NGC 4145	H I 169	GALXY	CVN	12 10.1	+39 54	11.3	14.6	074	07
NGC 4144	H II 747	GALXY	UMA	12 10.1	+46 28	11.6	13.7	074	07
NGC 4148	UGC 7158	GALXY	CVN	12 10.2	+35 53	13.3	13.6	107	07
IC 764	UA 273	GALXY	HYA	12 10.2	-29 44	12.2	14.1	368	21
NGC 4146	H III 327	GALXY	COM	12 10.4	+26 26	12.7	13.2	148	07
NGC 4149	H II 802	GALXY	UMA	12 10.4	+58 19	13.2	11.9	047	02
UGC 7170		GALXY	COM	12 10.6	+18 49	14.3	13.7	148	13
NGC 4150	H I 73	GALXY	COM	12 10.6	+30 25	11.6	13.0	107	07
NGC 4151	H I 165	GALXY	CVN	12 10.6	+39 25	10.8	14.2	074	07
NGC 4152	H II 83	GALXY	COM	12 10.7	+16 03	12.2	13.5	193	13
NGC 4154	H III 845	1STAR	UMA	12 10.7	+58 21	99.9	99.9	047	02
NGC 4159	H III 941	GALXY	DRA	12 10.7	+76 09	13.4	12.8	009	02
NGC 4153	H I 11	NONEX	COM	12 10.8	+18 22	99.9	99.9	148	13
NGC 4155	UGC 7172	GALXY	COM	12 10.8	+19 03	13.3	13.4	148	13
NGC 4156	H II 642	GALXY	CVN	12 10.9	+39 29	13.2	13.5	074	07
NGC 4145A		GALXY	CVN	12 10.9	+39 45	15.5	99.9	074	07
UGC 7175		GALXY	CVN	12 10.9	+39 45	14.5	14.3	074	07
NGC 4157	H I 208	GALXY	UMA	12 11.1	+50 30	11.4	13.6	047	02
NGC 4158	H II 405	GALXY	COM	12 11.2	+20 11	12.1	13.2	148	07
NGC 4161	H II 803	GALXY	UMA	12 11.4	+57 44	12.9	12.5	047	02
NGC 4160		NONEX	CVN	12 11.6	+43 45	99.9	99.9	074	07
NGC 4162	H II 353	GALXY	COM	12 11.9	+24 08	12.2	13.4	148	07
NGC 4164		GALXY	VIR	12 12.1	+13 12	15.7	99.9	193	13
NGC 4165	IC 3035,UGC 7201	GALXY	VIR	12 12.2	+13 15	13.5	13.5	193	13
NGC 4166		GALXY	COM	12 12.2	+17 46	13.1	13.2	148	13
NGC 4163	H III 399	GALXY	CVN	12 12.2	+36 11	14.0	15.1	107	07
NGC 4167		NONEX	CVN	12 12.2	+36 31	99.9	99.9	107	07
NGC 4172	H II 792	GALXY	UMA	12 12.2	+56 11	13.2	13.5	047	02
NGC 4168	H II 105	GALXY	VIR	12 12.3	+13 13	11.2	13.2	193	13
NGC 4169	H III 358	GALXY	COM	12 12.3	+29 11	12.2	12.6	107	07
NGC 4173	H II 372	GALXY	COM	12 12.4	+29 12	13.0	14.2	107	07
NGC 4171		NONEX	COM	12 12.4	+29 12	99.9	99.9	107	07
NGC 4170		GALXY	COM	12 12.4	+29 13	13.7	99.9	107	07
IC 769	UGC 7209	GALXY	VIR	12 12.5	+12 07	12.6	14.1	193	13
NGC 4174	H III 359	GALXY	COM	12 12.5	+29 09	13.3	11.7	107	07
NGC 4175	H III 360	GALXY	COM	12 12.6	+29 10	13.2	12.6	107	07
NGC 4176		GALXY	VIR	12 12.7	-09 08	99.9	99.9	283	13
NGC 4178	IC 3042,UGC 7215	GALXY	VIR	12 12.8	+10 53	11.4	13.7	193	13
NGC 4177	H III 534	GALXY	CRV	12 12.8	-14 00	13.0	99.9	283	13
NGC 4179	H I 9	GALXY	VIR	12 12.9	+01 19	11.0	12.5	238	13
UGC 7218		GALXY	CVN	12 12.9	+52 16	14.3	13.9	047	02
NGC 4180	H II 133	GALXY	VIR	12 13.2	+07 03	12.6	12.4	193	13
Ru 102		OPNCL	CRU	12 13.2	-61 56	99.9	99.9	450	25
NGC 4182		NONEX	VIR	12 13.4	+04 03	99.9	99.9	238	13
NGC 4192A		GALXY	COM	12 13.4	+14 46	17.0	99.9	193	13

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NGC 4185	H II 373	GALXY	COM	12 13.4	+28 31	12.1	13.7	107	07
NGC 4183	H III 697	GALXY	CVN	12 13.4	+43 43	12.3	13.7	074	07
NGC 4187A	H II 813	GALXY	CVN	12 13.4	+50 44	14.5	99.9	047	02
NGC 4187B		GALXY	CVN	12 13.4	+50 45	13.5	99.9	047	02
NGC 4181	H III 777	GALXY	CVN	12 13.4	+50 46	14.5	99.9	047	02
NGC 4184		NONEX	CRU	12 13.6	-62 42	99.9	99.9	450	25
NGC 4189	IC 3050	GALXY	COM	12 13.8	+13 26	11.7	13.1	193	13
NGC 4190	H II 409	GALXY	CVN	12 13.8	+36 39	13.3	14.2	107	07
NGC 4191		GALXY	VIR	12 13.9	+07 12	12.8	12.6	193	13
NGC 4193	IC 3051	GALXY	VIR	12 13.9	+13 11	12.3	13.0	193	13
NGC 4192	M 98	GALXY	COM	12 13.9	+14 55	10.1	13.6	193	13
NGC 4192A	UGC 7240	GALXY	COM	12 14.1	+14 44	17.0	99.9	193	13
NGC 4194	H II 867	GALXY	UMA	12 14.1	+54 32	12.5	13.1	047	02
UGC 7239		GALXY	VIR	12 14.2	+07 46	13.3	14.6	193	13
NGC 4186	UGC 7223, Ho 348b	GALXY	COM	12 14.2	+14 44	13.8	13.5	193	13
NGC 4195	H III 796	GALXY	UMA	12 14.2	+59 37	14.2	14.9	047	02
NGC 4188		GALXY	CRV	12 14.2	-12 33	14.0	99.9	283	13
NGC 4198	H II 793	GALXY	UMA	12 14.3	+56 01	13.6	12.9	047	02
NGC 4196	H II 374	GALXY	COM	12 14.5	+28 26	12.8	12.8	107	07
NGC 4197	H II 134	GALXY	VIR	12 14.6	+05 49	12.8	13.4	193	13
UGC 7249		GALXY	VIR	12 14.6	+12 48	14.7	14.3	193	13
NGC 4201		GALXY	VIR	12 14.7	-11 34	14.0	99.9	283	13
NGC 4200	H II 164	GALXY	VIR	12 14.8	+12 11	13.0	13.2	193	13
NGC 4199	H III 797	GALXY	UMA	12 14.8	+59 54	15.5	99.9	047	02
NGC 4205	UGC 7258	GALXY	DRA	12 14.9	+63 48	12.9	12.7	025	02
UGC 7257		GALXY	CVN	12 15.0	+35 57	13.6	13.7	107	07
IC 3061	UGC 7255	GALXY	COM	12 15.1	+14 02	13.6	13.4	193	13
NGC 4203	H I 175	GALXY	COM	12 15.2	+33 13	10.9	13.3	107	07
NGC 4206	IC 3064	GALXY	VIR	12 15.3	+13 02	12.1	14.1	193	13
NGC 4204	H III 397	GALXY	COM	12 15.3	+20 40	12.4	14.8	148	07
NGC 4210	H III 850	GALXY	DRA	12 15.3	+66 00	12.5	13.6	025	02
UGC 7267		GALXY	CVN	12 15.4	+51 22	14.4	99.9	047	02
NGC 4208	H II 107	NONEX	COM	12 15.5	+13 55	99.9	99.9	193	13
NGC 4209	H II 375	NONEX	COM	12 15.5	+28 31	99.9	99.9	107	07
UGC 7271		GALXY	CVN	12 15.5	+43 25	14.4	14.5	074	07
NGC 4207	UGC 7268	GALXY	VIR	12 15.6	+09 36	12.5	12.6	193	13
IC 3074	UGC 7279	GALXY	VIR	12 15.7	+10 41	14.2	13.8	193	13
NGC 4212	H II 108	GALXY	COM	12 15.7	+13 55	11.2	13.0	193	13
NGC 4213	H II 354	GALXY	COM	12 15.7	+23 59	12.5	13.7	148	07
NGC 4211	UGC 7277	GALXY	COM	12 15.7	+28 11	14.4	99.9	107	07
NGC 4214	NGC 4208	GALXY	CVN	12 15.7	+36 20	09.8	14.0	107	07
NGC 4218	H III 718	GALXY	CVN	12 15.7	+48 09	12.5	12.1	074	07
NGC 4217	H II 748	GALXY	CVN	12 15.8	+47 06	11.2	13.3	074	07
NGC 4216	H I 35	GALXY	VIR	12 15.9	+13 09	10.0	12.8	193	13
NGC 4215	H II 135	GALXY	VIR	12 16.0	+06 25	12.1	12.2	193	13
NGC 4221	UGC 7288	GALXY	DRA	12 16.0	+66 15	12.3	13.7	025	02
Ru 103		OPNCL	CRU	12 16.0	-58 09	99.9	99.9	428	25
NGC 4220	H I 209	GALXY	CVN	12 16.1	+47 54	11.4	13.1	074	07
NGC 4226	UGC 7297	GALXY	CVN	12 16.3	+47 02	13.5	13.0	074	07

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NGC 4222	IC 3087	GALXY	COM	12 16.4	+13 19	13.3	13.6	193	13
NGC 4219		GALXY	CEN	12 16.4	-43 19	11.9	13.5	401	21
NGC 4223	H II 137	NONEX	VIR	12 16.5	+06 42	99.9	99.9	193	13
NGC 4224	H II 136	GALXY	VIR	12 16.6	+07 28	11.8	12.7	193	13
NGC 4227	H II 518	GALXY	CVN	12 16.6	+33 32	12.7	12.9	107	07
NGC 4228		NONEX	CVN	12 16.6	+36 20	99.9	99.9	107	07
NGC 4229	H II 519	GALXY	CVN	12 16.7	+33 34	13.2	13.0	107	07
NGC 4232	H III 720	GALXY	CVN	12 16.7	+47 27	13.6	13.5	074	07
NGC 4231	H III 719	GALXY	CVN	12 16.7	+47 28	13.3	13.4	074	07
NGC 4236	H V 51	GALXY	DRA	12 16.7	+69 29	09.6	15.0	025	02
NGC 4225		GALXY	CRV	12 16.7	-12 18	14.0	99.9	283	13
NGC 4238	H III 851	GALXY	DRA	12 16.9	+63 26	13.6	13.3	025	02
NGC 4234	Ho 358a	GALXY	VIR	12 17.2	+03 42	12.7	13.1	238	13
NGC 4235	IC 3098	GALXY	VIR	12 17.2	+07 12	11.6	13.0	193	13
NGC 4233	H II 496	GALXY	VIR	12 17.2	+07 38	11.9	12.8	193	13
NGC 4237	H II 11	GALXY	COM	12 17.2	+15 20	11.6	12.6	193	13
NGC 4239	UGC 7316	GALXY	COM	12 17.3	+16 32	12.8	13.6	193	13
NGC 4230		OPNCL	CEN	12 17.3	-55 08	09.4	99.9	428	25
NGC 4242	H III 725	GALXY	CVN	12 17.4	+45 38	10.8	13.9	074	07
NGC 4240		GALXY	VIR	12 17.4	-09 56	14.0	99.9	283	13
NGC 4241	IC 3102	GALXY	VIR	12 17.5	+06 42	11.9	13.1	193	13
UGC 7321		GALXY	COM	12 17.5	+22 32	13.4	14.0	148	07
NGC 4244	H V 41	GALXY	CVN	12 17.5	+37 49	10.4	14.0	107	07
NGC 4250	H I 264	GALXY	DRA	12 17.5	+70 49	11.8	13.6	025	02
NGC 4243		NONEX	VIR	12 17.6	-11 19	99.9	99.9	283	13
NGC 4245	H I 74	GALXY	COM	12 17.7	+29 37	11.4	13.3	107	07
NGC 4248	H II 742	GALXY	CVN	12 17.8	+47 25	12.5	13.7	074	07
NGC 4219A		GALXY	CEN	12 17.9	-43 30	13.7	13.2	401	21
UGC 7332		GALXY	VIR	12 18.0	+00 26	13.5	14.6	238	13
NGC 4249		GALXY	VIR	12 18.0	+05 36	14.8	99.9	193	13
IC 3115	UGC 7333	GALXY	VIR	12 18.0	+06 39	13.1	13.9	193	13
NGC 4246	IC 3113	GALXY	VIR	12 18.0	+07 12	12.7	13.8	193	13
NGC 4247	Ho 359c	GALXY	VIR	12 18.0	+07 17	13.5	13.3	193	13
NGC 4251	H I 89	GALXY	COM	12 18.2	+28 11	10.7	12.4	107	07
NGC 4202		GALXY	VIR	12 18.2	-01 04	13.6	13.2	238	13
PK275+72.1	K2-4	PLNNB	VIR	12 18.3	+11 02	12.0	99.9	193	13
NGC 4253	H III 702	GALXY	COM	12 18.5	+29 49	13.1	12.7	107	07
NGC 4252		GALXY	VIR	12 18.6	+05 34	14.0	13.3	193	13
NGC 4256	H II 846	GALXY	DRA	12 18.7	+65 55	11.9	13.1	025	02
IC 775	UGC 7350	GALXY	VIR	12 18.9	+12 55	13.3	13.2	193	13
NGC 4254	M 99	GALXY	COM	12 18.9	+14 26	09.9	13.2	193	13
NGC 4258	M 106	GALXY	CVN	12 18.9	+47 19	08.4	13.6	074	07
NGC 4255		GALXY	VIR	12 19.0	+04 48	12.8	12.3	238	13
IC 776	UGC 7352	GALXY	VIR	12 19.0	+08 51	13.8	14.4	193	13
NGC 4257		GALXY	VIR	12 19.2	+05 44	14.0	13.0	193	13
NGC 4259		GALXY	VIR	12 19.4	+05 23	13.6	12.7	238	13
NGC 4261	H II 139	GALXY	VIR	12 19.4	+05 50	10.4	13.3	193	13
NGC 4260	H II 138	GALXY	VIR	12 19.4	+06 07	11.8	13.0	193	13
NGC 4264	H II 140	GALXY	VIR	12 19.6	+05 51	12.8	12.4	193	13

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NGC 4262	H II 110	GALXY	COM	12 19.6	+14 53	11.6	12.7	193	13
NGC 4271	H II 804	GALXY	UMA	12 19.6	+56 45	12.6	13.1	047	02
NGC 4263	NGC 4265	GALXY	CRV	12 19.7	-12 14	14.0	99.9	283	13
NGC 4265		NONEX	CRV	12 19.7	-12 15	99.9	99.9	283	13
NGC 4268		GALXY	VIR	12 19.8	+05 18	12.8	12.6	238	13
NGC 4266		GALXY	VIR	12 19.8	+05 33	13.7	13.3	193	13
NGC 4267	H II 166	GALXY	VIR	12 19.8	+12 49	10.9	13.3	193	13
NGC 4270	H II 568	GALXY	VIR	12 19.9	+05 29	12.2	12.7	238	13
NGC 4269	UGC 7372, Ho 365a	GALXY	VIR	12 19.9	+06 02	12.9	12.7	193	13
NGC 4274	H I 75	GALXY	COM	12 19.9	+29 37	10.4	13.3	107	07
NGC 4272	H III 299	GALXY	COM	12 19.9	+30 21	13.1	13.0	107	07
NGC 4273	H II 569	GALXY	VIR	12 20.0	+05 21	11.9	13.1	238	13
NGC 4275	H II 376	GALXY	COM	12 20.0	+27 38	13.1	12.3	148	07
NGC 4277	H II 571	GALXY	VIR	12 20.1	+05 21	13.4	13.1	238	13
NGC 4276		GALXY	VIR	12 20.2	+07 42	12.4	13.2	193	13
NGC 4278	H I 90	GALXY	COM	12 20.2	+29 18	10.2	13.1	108	07
NGC 4284	H III 798	GALXY	UMA	12 20.2	+58 06	13.5	14.5	047	02
NGC 4291	H I 275	GALXY	DRA	12 20.3	+75 23	11.5	12.7	009	02
NGC 4281	H II 573	GALXY	VIR	12 20.4	+05 24	11.3	12.8	238	13
NGC 4282		GALXY	VIR	12 20.4	+05 35	13.9	12.7	193	13
NGC 4283	H II 323	GALXY	COM	12 20.4	+29 19	12.1	12.9	108	07
NGC 4279		GALXY	VIR	12 20.4	-11 40	14.0	99.9	283	13
NGC 4280		NONEX	VIR	12 20.4	-11 41	99.9	99.9	283	13
NGC 4288A		GALXY	CVN	12 20.6	+46 15	15.0	99.9	074	07
NGC 4288	H III 726	GALXY	CVN	12 20.6	+46 18	12.9	14.1	074	07
NGC 4285		GALXY	VIR	12 20.7	-11 39	14.0	99.9	283	13
NGC 4287		GALXY	VIR	12 20.8	+05 39	15.2	99.9	193	13
NGC 4286	IC 3181	GALXY	COM	12 20.8	+29 21	13.1	13.4	108	07
NGC 4290	H II 805	GALXY	UMA	12 20.8	+58 06	11.8	13.1	047	02
NGC 4289		GALXY	VIR	12 21.1	+03 44	13.9	14.1	238	13
NGC 4292	UGC 7404, Ho 375a	GALXY	VIR	12 21.3	+04 36	12.2	12.8	238	13
NGC 4292A	Ho 375b?	GALXY	VIR	12 21.3	+04 38	15.0	99.9	238	13
NGC 4293	H V 5	GALXY	COM	12 21.3	+18 24	10.4	13.1	148	13
NGC 4295		GALXY	COM	12 21.3	+28 10	13.6	99.9	108	07
UGC 7408		GALXY	CVN	12 21.3	+45 49	13.1	14.2	074	07
NGC 4294	H II 61	GALXY	VIR	12 21.4	+11 31	12.1	13.4	193	13
NGC 4296	H III 92	GALXY	VIR	12 21.5	+06 40	12.7	12.7	193	13
NGC 4297	H III 93	GALXY	VIR	12 21.5	+06 40	16.0	99.9	193	13
NGC 4301	Ho 379b?	GALXY	VIR	12 21.6	+04 47	13.6	13.2	238	13
NGC 4298	H II 111	GALXY	COM	12 21.6	+14 37	11.3	13.1	193	13
IC 783	UGC 7415	GALXY	COM	12 21.6	+15 45	13.6	13.9	193	13
NGC 4300	H II 572	GALXY	VIR	12 21.7	+05 23	12.9	12.7	238	13
NGC 4299	H II 62	GALXY	VIR	12 21.7	+11 31	12.5	13.5	193	13
NGC 4319	H I 276	GALXY	DRA	12 21.7	+75 20	11.9	13.8	009	02
NGC 4302	H II 112	GALXY	COM	12 21.8	+14 37	11.6	13.3	193	13
Winnecke 4	M 40	2STAR	UMA	12 21.9	+58 06	09	99.9	047	02
NGC 4303	M 61	GALXY	VIR	12 22.0	+04 29	09.6	13.4	238	13
NGC 4308	UGC 7426	GALXY	COM	12 22.0	+30 04	13.4	12.8	108	07
NGC 4307	Ho 380a	GALXY	VIR	12 22.1	+09 03	12.0	12.9	193	13

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NGC 4305	UGC 7432, Ho 381a	GALXY	VIR	12 22.1	+12 45	12.6	13.5	193	13
NGC 4306	Ho 381b	GALXY	VIR	12 22.1	+12 48	12.6	13.3	193	13
NGC 4309A	Ho 382b	GALXY	VIR	12 22.2	+07 10	99.9	99.9	193	13
NGC 4307A	IC 3211, UGC 7430	GALXY	VIR	12 22.2	+09 00	15.5	99.9	193	13
NGC 4304		GALXY	HYA	12 22.2	-33 28	11.6	13.5	369	21
NGC 4309	Ho 382a	GALXY	VIR	12 22.3	+07 09	12.7	13.3	193	13
NGC 4303A	NGC 4301?	GALXY	VIR	12 22.5	+04 34	13.0	13.6	238	13
NGC 4310	H II 378	GALXY	COM	12 22.5	+29 13	12.2	13.2	108	07
NGC 4311		NONEX	COM	12 22.5	+29 13	99.9	99.9	108	07
NGC 4331	H III 942	GALXY	DRA	12 22.5	+76 12	14.1	14.0	009	02
NGC 4312	H II 628	GALXY	COM	12 22.6	+15 33	11.7	13.3	193	13
NGC 4314	H I 76	GALXY	COM	12 22.6	+29 54	10.6	13.4	108	07
NGC 4317	H II 324	1STAR	COM	12 22.6	+31 03	99.9	99.9	108	07
NGC 4315		NONEX	VIR	12 22.7	+09 19	99.9	99.9	193	13
NGC 4313	H II 63	GALXY	VIR	12 22.7	+11 49	11.6	13.0	193	13
NGC 4345		1STAR	DRA	12 22.7	+75 20	99.9	99.9	009	02
NGC 4318		GALXY	VIR	12 22.8	+08 13	13.3	12.1	193	13
NGC 4316		GALXY	VIR	12 22.8	+09 21	12.9	13.0	193	13
NGC 4332	H II 847	GALXY	DRA	12 22.8	+65 51	12.2	13.3	025	02
NGC 4323		NONEX	COM	12 22.9	+15 54	99.9	99.9	193	13
NGC 4321	M 100	GALXY	COM	12 23.0	+15 50	09.4	13.4	193	13
NGC 4335	H II 806	GALXY	UMA	12 23.0	+58 28	12.4	13.5	047	02
PK299- 1.1		PLNNB	CRU	12 23.0	-64 02	13.6	99.9	450	25
NGC 4320	UGC 7452	GALXY	VIR	12 23.1	+10 33	13.8	13.1	193	13
NGC 4322	NGC 4323	GALXY	COM	12 23.1	+15 55	13.9	13.6	193	13
NGC 4338	IC 3247	GALXY	COM	12 23.1	+28 55	14.6	13.7	108	07
NGC 4324	Ho 388a	GALXY	VIR	12 23.2	+05 16	11.6	12.8	238	13
NGC 4326	H II 141	GALXY	VIR	12 23.2	+06 05	13.3	13.7	193	13
NGC 4325		GALXY	VIR	12 23.2	+10 38	13.3	12.6	193	13
NGC 4327		NONEX	COM	12 23.2	+15 47	99.9	99.9	193	13
NGC 4330		GALXY	VIR	12 23.3	+11 23	12.4	13.7	193	13
NGC 4333	H II 142	GALXY	VIR	12 23.4	+06 03	13.6	12.9	193	13
NGC 4328	H II 84	GALXY	COM	12 23.4	+15 49	13.0	13.5	193	13
NGC 4346	H I 210	GALXY	CVN	12 23.4	+47 00	11.1	12.6	074	07
NGC 4329		GALXY	CRV	12 23.4	-12 31	14.0	99.9	283	13
NGC 4334		GALXY	VIR	12 23.5	+07 29	13.0	13.8	193	13
NGC 4363	H III 938	GALXY	DRA	12 23.5	+74 58	13.5	14.1	009	02
NGC 4339	H II 143	GALXY	VIR	12 23.6	+06 06	11.4	13.2	193	13
NGC 4336	IC 3254	GALXY	COM	12 23.6	+19 27	12.5	13.0	148	13
NGC 4343	H III 94	GALXY	VIR	12 23.7	+06 58	12.1	12.6	193	13
NGC 4342	IC 3256	GALXY	VIR	12 23.7	+07 04	12.5	12.1	193	13
IC 3258	UGC 7470	GALXY	VIR	12 23.7	+12 28	13.1	13.8	193	13
NGC 4340	H II 85	GALXY	COM	12 23.7	+16 44	11.2	13.5	193	13
NGC 4344	H III 31	GALXY	COM	12 23.7	+17 33	12.3	13.3	148	13
IC 3253		GALXY	CEN	12 23.7	-34 38	11.9	13.0	369	21
IC 3259	UGC 7469	GALXY	VIR	12 23.8	+07 11	13.5	13.8	193	13
PK299+ 2.1		PLNNB	CRU	12 23.8	-60 14	12.7	99.9	428	25
NGC 4347		NONEX	VIR	12 23.9	-03 14	99.9	99.9	238	13
NGC 4348	H II 625	GALXY	VIR	12 23.9	-03 26	12.5	13.3	238	13

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NGC 4337		OPNCL CRU	12 23.9	-58 08	08.9	99.9	428	25
NGC 4341	IC 3260	GALXY VIR	12 24.0	+07 07	13.2	13.0	193	13
NGC 4350	H II 86	GALXY COM	12 24.0	+16 42	11.0	12.5	193	13
NGC 4357		GALXY CVN	12 24.0	+48 47	12.4	13.9	074	07
NGC 4358	H III 799	GALXY UMA	12 24.0	+58 24	14.5	99.9	047	02
NGC 4364	H III 801	GALXY UMA	12 24.0	+58 24	14.3	99.9	047	02
IC 3268	UGC 7477	GALXY VIR	12 24.1	+06 36	13.3	12.8	193	13
IC 3267	UGC 7474	GALXY VIR	12 24.1	+07 03	13.4	13.7	193	13
NGC 4353	IC 3266	GALXY VIR	12 24.1	+07 48	13.6	13.2	193	13
NGC 4352	H II 64	GALXY VIR	12 24.1	+11 14	12.6	13.2	193	13
NGC 4354		NONEX VIR	12 24.1	+12 12	99.9	99.9	193	13
NGC 4351	NGC 4354	GALXY VIR	12 24.1	+12 13	12.6	13.6	193	13
NGC 4359	H III 648	GALXY COM	12 24.1	+31 32	12.7	13.7	108	07
NGC 4362	H III 800	GALXY UMA	12 24.2	+58 22	14.3	12.6	047	02
NGC 4355		NONEX VIR	12 24.2	-01 00	99.9	99.9	238	13
NGC 4356	IC 3273	GALXY VIR	12 24.3	+08 33	13.3	13.6	193	13
NGC 4360B	IC 3274	GALXY VIR	12 24.3	+09 17	15.2	99.9	193	13
UGC 7490		GALXY DRA	12 24.3	+70 20	12.7	15.1	025	02
NGC 4360A		GALXY VIR	12 24.4	+09 18	13.9	99.9	193	13
NGC 4365	H I 30	GALXY VIR	12 24.5	+07 20	09.6	13.4	193	13
NGC 4369	H I 166	GALXY CVN	12 24.5	+39 24	11.7	13.1	075	07
NGC 4361	H I 65	PLNNB CRV	12 24.5	-18 48	10.3	99.9	328	13
NGC 4349		OPNCL CRU	12 24.5	-61 54	07.4	99.9	450	25
NGC 4367		NONEX VIR	12 24.6	+12 11	99.9	99.9	193	13
NGC 4386	H I 277	GALXY DRA	12 24.6	+75 32	11.7	12.9	009	02
NGC 4368	H III 38	NONEX VIR	12 24.7	+10 36	99.9	99.9	193	13
NGC 4366	H III 97	GALXY VIR	12 24.8	+07 22	15.2	99.9	193	13
NGC 4375	H II 379	GALXY COM	12 24.9	+28 34	12.8	13.2	108	07
NGC 4370	H II 144	GALXY VIR	12 25.0	+07 27	12.6	12.5	193	13
NGC 4371	H I 22	GALXY VIR	12 25.0	+11 43	10.8	13.1	193	13
Mel 111	Cr 256	OPNCL COM	12 25.0	+26 00	01.8	99.9	148	07
NGC 4374	M 84	GALXY VIR	12 25.1	+12 54	09.1	13.0	193	13
NGC 4381	H II 743	NONEX CVN	12 25.1	+48 50	99.9	99.9	075	07
NGC 4384		GALXY UMA	12 25.1	+54 31	13.0	13.2	047	02
Ru 104		OPNCL CRU	12 25.1	-60 07	99.9	99.9	428	25
NGC 4392	H III 729	GALXY CVN	12 25.2	+45 52	14.6	99.9	075	07
NGC 4376	H II 530	GALXY VIR	12 25.3	+04 56	13.4	13.4	238	13
NGC 4378	H I 123	GALXY VIR	12 25.3	+04 56	11.7	13.8	238	13
NGC 4377	H I 12	GALXY COM	12 25.3	+14 46	11.9	12.7	193	13
NGC 4379	H II 87	GALXY COM	12 25.3	+15 37	11.7	12.8	193	13
NGC 4373		GALXY CEN	12 25.3	-39 44	10.9	13.1	402	21
NGC 4380		GALXY VIR	12 25.4	+10 02	11.7	13.6	193	13
NGC 4391	H III 852	GALXY DRA	12 25.4	+64 57	12.7	12.9	025	02
NGC 4373A		GALXY CEN	12 25.4	-39 18	11.6	12.3	402	21
NGC 4383		GALXY COM	12 25.5	+16 29	12.1	12.7	193	13
NGC 4382	M 85	GALXY COM	12 25.5	+18 12	09.1	12.9	148	13
NGC 4389	H II 749	GALXY CVN	12 25.5	+45 42	11.7	12.9	075	07
NGC 4385		GALXY VIR	12 25.7	+00 35	12.5	13.6	238	13
IC 3322A	UGC 7513	GALXY VIR	12 25.7	+07 13	12.9	13.2	193	13

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NGC 4393	H III 361	GALXY	COM	12 25.7	+27 34	12.1	14.4	148	07
NGC 4395	H V 29	GALXY	CVN	12 25.7	+33 33	10.2	15.4	108	07
NGC 4388	H II 168	GALXY	VIR	12 25.8	+12 40	11.0	13.0	193	13
NGC 4387	H II 167	GALXY	VIR	12 25.8	+12 49	12.1	12.8	193	13
NGC 4372		GLOCL	MUS	12 25.8	-72 40	07.8	99.9	466	25
NGC 4390	IC 3319-20	GALXY	VIR	12 25.9	+10 28	12.6	13.3	193	13
NGC 4401		NONEX	CVN	12 25.9	+33 31	99.9	99.9	108	07
NGC 4399		NONEX	CVN	12 25.9	+33 34	99.9	99.9	108	07
NGC 4400		NONEX	CVN	12 25.9	+33 34	99.9	99.9	108	07
NGC 4394	H II 55	GALXY	COM	12 26.0	+18 13	10.9	13.4	148	13
NGC 4397		3STAR	COM	12 26.0	+18 19	99.9	99.9	148	13
NGC 4398		1STAR	VIR	12 26.1	+10 42	99.9	99.9	193	13
NGC 4396	Ho 400a	GALXY	COM	12 26.1	+15 41	12.6	13.7	193	13
NGC 4402	Ho 403d	GALXY	VIR	12 26.2	+13 07	11.8	13.2	193	13
NGC 4405	IC 788	GALXY	COM	12 26.2	+16 11	12.0	12.6	193	13
NGC 4408		GALXY	COM	12 26.2	+27 53	13.8	99.9	148	07
NGC 4407		NONEX	VIR	12 26.3	+12 39	99.9	99.9	193	13
NGC 4406	M 86	GALXY	VIR	12 26.3	+12 57	08.9	13.2	193	13
NGC 4403	H III 755	GALXY	VIR	12 26.3	-07 41	14.0	99.9	283	13
NGC 4414	H I 77	GALXY	COM	12 26.4	+31 14	10.1	12.1	108	07
NGC 4404	H III 756	GALXY	VIR	12 26.4	-07 41	14.0	99.9	283	13
NGC 4409	NGC 4420	NONEX	VIR	12 26.5	+02 30	99.9	99.9	238	13
NGC 4411A	IC 3339,UGC 7537	GALXY	VIR	12 26.5	+08 53	12.7	14.1	193	13
NGC 4410A		GALXY	VIR	12 26.5	+09 02	12.8	12.7	193	13
NGC 4412	H II 34	GALXY	VIR	12 26.6	+03 58	12.4	12.8	238	13
NGC 4410B		GALXY	VIR	12 26.6	+09 02	13.9	12.2	193	13
NGC 4413	H II 169	GALXY	VIR	12 26.6	+12 37	12.3	13.5	193	13
NGC 4373B		GALXY	CEN	12 26.6	-39 07	14.5	14.3	402	21
NGC 4415	H III 482	GALXY	VIR	12 26.7	+08 26	12.1	12.5	193	13
NGC 4416		GALXY	VIR	12 26.8	+07 56	12.4	13.3	193	13
NGC 4411B		GALXY	VIR	12 26.8	+08 54	12.3	14.2	193	13
NGC 4417	NGC 4437	GALXY	VIR	12 26.9	+09 36	11.1	12.6	193	13
NGC 4418	H III 492	GALXY	VIR	12 26.9	-00 51	13.1	13.0	238	13
NGC 4420		GALXY	VIR	12 27.0	+02 30	12.1	12.7	238	13
NGC 4419	H II 113	GALXY	COM	12 27.0	+15 03	11.2	12.4	193	13
vdB-Ha 131		OPNCL	CRU	12 27.0	-63 07	99.9	99.9	450	25
NGC 4421	H II 89	GALXY	COM	12 27.1	+15 28	11.6	13.3	193	13
IC 3365	UGC 7563	GALXY	COM	12 27.1	+15 54	13.9	14.5	193	13
NGC 4423	H III 145	GALXY	VIR	12 27.2	+05 53	13.5	13.2	193	13
UGC 7557		GALXY	VIR	12 27.2	+07 15	12.9	15.1	193	13
NGC 4426		2STAR	COM	12 27.2	+27 51	99.9	99.9	148	07
NGC 4427		2STAR	COM	12 27.2	+27 51	99.9	99.9	148	07
NGC 4424	UGC 7561	GALXY	VIR	12 27.3	+09 26	11.7	13.6	193	13
NGC 4425	H II 170	GALXY	VIR	12 27.3	+12 45	11.8	12.9	193	13
NGC 4441	H II 848	GALXY	DRA	12 27.3	+64 49	12.7	14.8	025	02
NGC 4422	H III 114	GALXY	VIR	12 27.3	-05 49	14.5	99.9	283	13
vdB-Ha 132		OPNCL	CRU	12 27.4	-62 28	99.9	99.9	450	25
NGC 4430	H II 146	GALXY	VIR	12 27.5	+06 16	12.0	13.5	193	13
NGC 4429	H II 65	GALXY	VIR	12 27.5	+11 07	10.0	12.8	193	13

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NGC 4431	H II 171	GALXY	VIR	12 27.5	+12 18	12.9	13.5	193	13
NGC 4428		GALXY	VIR	12 27.5	-08 10	12.6	13.0	283	13
vdB-Ha 133		OPNCL	CRU	12 27.5	-59 47	99.9	99.9	428	25
NGC 4432		GALXY	VIR	12 27.6	+06 14	14.0	13.4	193	13
NGC 4434	H II 497	GALXY	VIR	12 27.6	+08 10	12.1	12.9	193	13
UGC 7577	MCG +07-26-006	GALXY	CVN	12 27.6	+43 29	12.3	14.7	075	07
NGC 4433		GALXY	VIR	12 27.6	-08 17	12.7	13.4	283	13
IC 3370	ESO 322-G014	GALXY	CEN	12 27.6	-39 20	11.0	13.1	402	21
NGC 4435	H I 28	GALXY	VIR	12 27.7	+13 05	10.8	12.5	193	13
NGC 4436	H II 172	GALXY	VIR	12 27.8	+12 20	13.0	13.0	193	13
NGC 4438	H I 28	GALXY	VIR	12 27.8	+13 01	10.2	13.6	193	13
NGC 4456		GALXY	HYA	12 27.8	-30 07	13.3	12.8	369	21
NGC 4440	H II 173	GALXY	VIR	12 28.0	+12 18	11.7	12.7	193	13
NGC 4442	H II 156	GALXY	VIR	12 28.1	+09 49	10.4	12.6	193	13
NGC 4443		1STAR	VIR	12 28.1	+13 08	99.9	99.9	193	13
NGC 4446	UGC 7586	GALXY	COM	12 28.2	+13 55	13.9	13.7	193	13
NGC 4448	H I 91	GALXY	COM	12 28.2	+28 38	11.1	12.8	108	07
NGC 4449	H I 213	GALXY	CVN	12 28.2	+44 06	09.6	13.0	075	07
NGC 4445	IC 793	GALXY	VIR	12 28.3	+09 27	12.8	12.9	193	13
NGC 4447		GALXY	COM	12 28.3	+13 54	13.9	13.2	193	13
NGC 4439		OPNCL	CRU	12 28.4	-60 06	08.4	99.9	428	25
UGC 7599		GALXY	CVN	12 28.5	+37 13	12.3	14.7	108	07
NGC 4444		GALXY	CEN	12 28.5	-43 15	12.3	14.0	402	21
NGC 4450	H II 56	GALXY	COM	12 28.6	+17 06	10.1	13.2	148	13
Hogg 14		OPNCL	CRU	12 28.6	-59 49	09.5	99.9	428	25
NGC 4451		GALXY	VIR	12 28.7	+09 16	12.5	12.7	193	13
UGC 7605		GALXY	CVN	12 28.7	+35 43	14.5	14.3	108	07
UGC 7608		GALXY	CVN	12 28.7	+43 13	13.3	15.8	075	07
NGC 4460	H I 212	GALXY	CVN	12 28.7	+44 52	11.3	12.8	075	07
Ru 165		OPNCL	CRU	12 28.7	-56 28	99.9	99.9	428	25
PK300+ 0.1	He2-83	PLNNB	CRU	12 28.7	-62 06	12.9	99.9	450	25
NGC 4453	H II 26	GALXY	VIR	12 28.8	+06 31	14.8	12.2	193	13
NGC 4452	H I 23	GALXY	VIR	12 28.8	+11 46	12.0	12.4	193	13
NGC 4455	H II 355	GALXY	COM	12 28.8	+22 50	12.3	13.0	148	07
PK300- 0.1	He2-84	PLNNB	CRU	12 28.8	-63 44	11.7	99.9	450	25
NGC 4454	H II 180	GALXY	VIR	12 28.9	-01 56	11.9	13.0	238	13
NGC 4484		GALXY	VIR	12 28.9	-11 39	14.0	99.9	283	13
NGC 4457	H II 35	GALXY	VIR	12 29.0	+03 35	10.9	12.7	238	13
NGC 4458	H II 121	GALXY	VIR	12 29.0	+13 15	12.1	13.2	193	13
Harvard 5	Cr 257	OPNCL	CRU	12 29.0	-60 46	07.1	99.9	428	25
3C 273		QUASR	VIR	12 29.1	+02 06	12.0	99.9	238	13
NGC 4461	H II 122	GALXY	VIR	12 29.1	+13 12	11.2	12.8	193	13
NGC 4459	H I 161	GALXY	COM	12 29.1	+13 59	10.4	12.7	193	13
NGC 4462	H III 764	GALXY	CRV	12 29.3	-23 10	11.9	13.2	328	21
NGC 4465		GALXY	VIR	12 29.4	+08 02	15.4	99.9	193	13
NGC 4464	H III 483	GALXY	VIR	12 29.4	+08 10	12.5	12.2	193	13
NGC 4469	H II 157	GALXY	VIR	12 29.5	+08 46	11.2	12.8	193	13
Hogg 23		OPNCL	CRU	12 29.5	-59 37	99.9	99.9	428	25
NGC 4466	Ho 412a	GALXY	VIR	12 29.6	+07 42	13.5	12.8	193	13

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NGC 4467	Ho 413c	GALXY	VIR	12 29.6	+08 00	13.8	13.9	193	13
NGC 4468	H II 630	GALXY	COM	12 29.6	+14 04	12.8	13.1	193	13
NGC 4470	IC 3417	GALXY	VIR	12 29.7	+07 50	12.1	12.2	193	13
NGC 4471		NONEX	VIR	12 29.7	+07 55	99.9	99.9	193	13
NGC 4475	H III 362	GALXY	COM	12 29.7	+27 16	13.6	14.0	148	07
NGC 4472	M 49	GALXY	VIR	12 29.8	+08 01	08.4	13.2	193	13
NGC 4481		GALXY	DRA	12 29.8	+64 03	14.9	99.9	025	02
NGC 4473	H II 114	GALXY	COM	12 29.9	+13 26	10.2	12.8	193	13
UGC 7639		GALXY	CVN	12 29.9	+47 31	13.8	15.1	075	07
NGC 4474	H II 117	GALXY	COM	12 30.0	+14 05	11.5	12.7	193	13
NGC 4463		OPNCL	MUS	12 30.0	-64 48	07.2	99.9	450	25
NGC 4476	H II 123	GALXY	VIR	12 30.1	+12 21	12.2	12.8	193	13
NGC 4477	H II 115	GALXY	COM	12 30.1	+13 39	10.4	13.1	193	13
NGC 4482	IC 3427	GALXY	VIR	12 30.2	+10 47	12.7	13.2	193	13
PK300- 1.1	He2-85	PLNNB	CRU	12 30.2	-63 53	13.8	99.9	450	25
NGC 4478	H II 124	GALXY	VIR	12 30.4	+12 20	11.4	12.7	193	13
NGC 4479	H II 116	GALXY	COM	12 30.4	+13 35	12.4	13.1	193	13
PK300- 2.1		PLNNB	CRU	12 30.4	-64 52	99.9	99.9	450	25
NGC 4480	UGC 7647	GALXY	VIR	12 30.5	+04 15	12.4	13.4	238	13
NGC 4485	H I 197	GALXY	CVN	12 30.5	+41 43	11.9	13.2	075	07
NGC 4486B	I Zw 38	GALXY	VIR	12 30.6	+12 30	13.4	12.2	193	13
NGC 4490	H I 198	GALXY	CVN	12 30.6	+41 39	09.8	12.9	075	07
NGC 4483	UGC 7649	GALXY	VIR	12 30.7	+09 02	12.2	12.4	193	13
NGC 4488	H III 484	GALXY	VIR	12 30.9	+08 22	12.2	13.9	193	13
MCG +02-32-110		GALXY	VIR	12 30.9	+12 16	11.2	99.9	193	13
NGC 4486	M 87	GALXY	VIR	12 30.9	+12 24	08.6	13.0	193	13
NGC 4489	H II 91	GALXY	COM	12 30.9	+16 46	12.0	13.0	193	13
NGC 4487	H II 776	GALXY	VIR	12 30.9	-08 04	10.9	13.4	283	13
NGC 4491	H III 41	GALXY	VIR	12 31.0	+11 30	12.6	12.8	193	13
NGC 4486A	UGC 7658	GALXY	VIR	12 31.0	+12 17	11.2	99.9	193	13
NGC 4492	IC 3438	GALXY	VIR	12 31.1	+08 05	12.6	13.5	193	13
NGC 4493		GALXY	VIR	12 31.2	+00 37	14.9	99.9	238	13
NGC 4494	H I 83	GALXY	COM	12 31.3	+25 47	09.8	12.9	148	07
NGC 4495	H III 301	GALXY	COM	12 31.3	+29 09	13.1	13.1	108	07
NGC 4500	H I 234	GALXY	UMA	12 31.4	+57 58	12.5	12.9	048	02
IC 3453	UGC 7666	GALXY	COM	12 31.5	+14 51	15.0	13.1	193	13
NGC 4497	IC 3452	GALXY	VIR	12 31.6	+11 38	12.5	13.0	193	13
NGC 4496B	NGC 4505	GALXY	VIR	12 31.7	+03 56	13.3	99.9	238	13
NGC 4496A	H II 36	GALXY	VIR	12 31.7	+03 57	11.4	14.0	238	13
NGC 4498	H III 69	GALXY	COM	12 31.7	+16 52	12.2	13.7	193	13
NGC 4510	UGC 7679	GALXY	DRA	12 31.7	+64 15	13.0	13.3	025	02
NGC 4529	H III 26	GALXY	COM	12 31.8	+20 30	15.0	99.9	148	07
NGC 4513	UGC 7683	GALXY	DRA	12 31.9	+66 20	13.0	13.1	025	02
NGC 4501	M 88	GALXY	COM	12 32.1	+14 26	09.6	13.0	194	13
NGC 4502	H II 92	GALXY	COM	12 32.1	+16 42	13.9	13.2	194	13
NGC 4499		GALXY	CEN	12 32.1	-39 58	13.2	14.0	402	21
NGC 4503	H II 66	GALXY	VIR	12 32.2	+11 11	11.1	12.9	194	13
NGC 4506	H II 631	GALXY	COM	12 32.2	+13 26	12.7	13.2	194	13
NGC 4511	H III 834	GALXY	UMA	12 32.2	+56 29	14.6	99.9	048	02

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NGC 4505		NONEX	VIR	12 32.3	+03 59	99.9	99.9	239	13
NGC 4504	H II 771	GALXY	VIR	12 32.3	-07 33	11.2	13.7	284	13
NGC 4508		NONEX	VIR	12 32.4	+05 50	99.9	99.9	194	13
UGC 7690	MCG +07-26-021	GALXY	CVN	12 32.4	+42 42	12.6	13.6	075	07
NGC 4517A	UGC 7685, R 80	GALXY	VIR	12 32.5	+00 24	12.5	14.9	239	13
NGC 4514	H III 302	GALXY	COM	12 32.5	+29 44	13.2	13.3	108	07
NGC 4512	UGC 7700	GALXY	DRA	12 32.6	+63 54	13.8	14.8	025	02
IC 3475	UGC 7692	GALXY	VIR	12 32.7	+12 46	13.1	14.2	194	13
IC 3476	UGC 7695	GALXY	COM	12 32.7	+14 03	12.7	14.0	194	13
NGC 4437	NGC 4517	NONEX	VIR	12 32.8	+00 07	99.9	99.9	239	13
NGC 4517	H IV 5	GALXY	VIR	12 32.8	+00 07	10.4	13.3	239	13
UGC 7699	MCG +06-28-008	GALXY	CVN	12 32.8	+37 37	12.5	13.8	108	07
NGC 4521	H II 849	GALXY	DRA	12 32.8	+63 57	12.2	12.4	025	02
UGC 7698		GALXY	CVN	12 32.9	+31 32	12.6	16.1	108	07
NGC 4509	UGC 7704	GALXY	CVN	12 32.9	+32 09	13.5	12.7	108	07
IC 3568	PK123+34.1	PLNNB	CAM	12 32.9	+82 33	11.6	99.9	009	02
NGC 4515	H II 93	GALXY	COM	12 33.1	+16 16	12.3	12.6	194	13
NGC 4518B		GALXY	VIR	12 33.2	+07 50	15.2	99.9	194	13
NGC 4518A		GALXY	VIR	12 33.2	+07 51	15.0	99.9	194	13
NGC 4516	H III 78	GALXY	COM	12 33.2	+14 35	12.8	13.1	194	13
NGC 4519A	Ho 418b?	GALXY	VIR	12 33.4	+08 40	15.3	99.9	194	13
NGC 4519	H II 158	GALXY	VIR	12 33.6	+08 40	11.8	13.9	194	13
NGC 4522		GALXY	VIR	12 33.7	+09 11	12.3	13.6	194	13
IC 3499	UGC 7712	GALXY	VIR	12 33.7	+10 59	13.3	12.7	194	13
NGC 4525	H II 325	GALXY	COM	12 33.7	+30 18	12.2	13.4	108	07
NGC 4520	IC 799	GALXY	VIR	12 33.7	-07 23	99.9	99.9	284	13
NGC 4530		NONEX	CVN	12 33.8	+41 21	99.9	99.9	075	07
NGC 4524		GALXY	CRV	12 33.8	-12 01	14.0	99.9	284	13
NGC 4523		GALXY	COM	12 33.9	+15 11	14.1	15.4	194	13
NGC 4534	H II 410	GALXY	CVN	12 34.0	+35 32	12.3	14.0	108	07
NGC 4526	H I 31	GALXY	VIR	12 34.1	+07 43	09.7	12.7	194	13
Ru 105		OPNCL	CRU	12 34.1	-61 34	99.9	99.9	450	25
NGC 4527	H II 37	GALXY	VIR	12 34.2	+02 40	10.5	13.1	239	13
NGC 4528	H II 67	GALXY	VIR	12 34.2	+11 20	12.1	12.5	194	13
NGC 4535A	Ho 420b?	GALXY	VIR	12 34.3	+08 16	14.5	99.9	194	13
NGC 4531	H II 175	GALXY	VIR	12 34.3	+13 05	11.4	13.3	194	13
NGC 4533		GALXY	VIR	12 34.4	+02 20	13.8	13.5	239	13
NGC 4532	H II 147	GALXY	VIR	12 34.4	+06 29	11.9	13.0	194	13
NGC 4535	H II 500	GALXY	VIR	12 34.4	+08 13	10.0	13.7	194	13
NGC 4536	H V 2	GALXY	VIR	12 34.5	+02 12	10.6	13.9	239	13
NGC 4545	H II 850	GALXY	DRA	12 34.5	+63 32	12.3	13.6	025	02
NGC 4538		GALXY	VIR	12 34.7	+03 20	14.3	12.4	239	13
UGC 7739	Holmberg VII	GALXY	VIR	12 34.7	+06 18	14.0	14.3	194	13
NGC 4539		GALXY	COM	12 34.7	+18 13	12.0	13.5	149	13
NGC 4542	UGC 7746	GALXY	CVN	12 34.8	+50 50	15.5	99.9	048	02
NGC 4547	H III 802	GALXY	UMA	12 34.8	+58 56	15.3	99.9	048	02
NGC 4549	H III 807	GALXY	UMA	12 34.8	+58 56	15.3	99.9	048	02
NGC 4540	H II 94	GALXY	COM	12 34.9	+15 34	11.7	12.8	194	13
Upgren 1		OPNCL	CVN	12 35.0	+36 18	99.9	99.9	108	07

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NGC 4537		GALXY	CVN	12 35.2	+50 50	16.0	99.9	048	02
NGC 4541	H III 493	GALXY	VIR	12 35.2	-00 13	13.0	13.0	239	13
NGC 4543		GALXY	VIR	12 35.4	+06 07	14.6	99.9	194	13
NGC 4548	M 91	GALXY	COM	12 35.5	+14 30	10.1	13.4	194	13
NGC 4562		GALXY	COM	12 35.5	+25 52	13.5	14.1	149	07
NGC 4565A	Ho 426?	GALXY	COM	12 35.5	+25 52	14.6	99.9	149	07
NGC 4546	H I 160	GALXY	VIR	12 35.5	-03 47	10.3	11.9	239	13
NGC 4544		GALXY	VIR	12 35.6	+03 03	13.0	13.1	239	13
NGC 4550	H I 36	GALXY	VIR	12 35.6	+12 14	11.7	12.8	194	13
NGC 4565B	IC 3593, Ho 426?	GALXY	COM	12 35.6	+26 13	15.5	99.9	149	07
NGC 4555	H II 343	GALXY	COM	12 35.6	+26 32	12.1	13.3	149	07
NGC 4507		GALXY	CEN	12 35.6	-39 54	12.1	12.8	402	21
NGC 4554		NONEX	VIR	12 35.7	+11 11	99.9	99.9	194	13
NGC 4551	H I 37	GALXY	VIR	12 35.7	+12 16	12.0	13.1	194	13
NGC 4552	M 89	GALXY	VIR	12 35.7	+12 34	09.8	13.2	194	13
NGC 4556	H II 380	GALXY	COM	12 35.7	+26 56	13.1	13.3	149	07
NGC 4558	IC 3556	GALXY	COM	12 35.8	+27 01	14.4	12.8	149	07
NGC 4563		GALXY	COM	12 35.9	+26 59	15.6	99.9	149	07
NGC 4559	H I 92	GALXY	COM	12 35.9	+27 58	10.0	14.0	149	07
NGC 4572	H III 939	GALXY	DRA	12 35.9	+74 15	15.0	99.9	009	02
NGC 4566	H III 880	GALXY	UMA	12 36.0	+54 14	13.1	13.0	048	02
NGC 4560	H I 119	NONEX	VIR	12 36.1	+07 41	99.9	99.9	194	13
NGC 4557		GALXY	COM	12 36.1	+26 57	15.5	99.9	149	07
NGC 4553		GALXY	CEN	12 36.1	-39 26	12.2	12.9	402	21
NGC 4561	IC 3569	GALXY	COM	12 36.2	+19 20	12.5	13.0	149	13
NGC 4565	H V 24	GALXY	COM	12 36.3	+26 00	09.6	13.3	149	07
UGC 7774		GALXY	CVN	12 36.3	+40 00	14.2	14.6	075	07
NGC 4564	H II 68	GALXY	VIR	12 36.5	+11 27	11.1	12.9	194	13
IC 3576	UGC 7781	GALXY	VIR	12 36.6	+06 37	13.5	15.0	194	13
NGC 4568	H IV 9	GALXY	VIR	12 36.6	+11 15	10.8	13.1	194	13
NGC 4567	H IV 8	GALXY	VIR	12 36.6	+11 16	11.3	13.1	194	13
IC 3583	UGC 7784	GALXY	VIR	12 36.7	+13 15	12.8	13.6	194	13
NGC 4570	H I 32	GALXY	VIR	12 36.9	+07 15	10.9	12.4	194	13
NGC 4569	M 90	GALXY	VIR	12 36.9	+13 10	09.5	13.4	194	13
NGC 4559B	Ho 423c, IC 3593	GALXY	COM	12 36.9	+27 46	15.5	99.9	149	07
NGC 4559A	IC 3592, UGC 7789	GALXY	COM	12 36.9	+27 52	15.5	99.9	149	07
NGC 4571	IC 3588	GALXY	COM	12 37.0	+14 14	11.3	13.8	194	13
NGC 4577	H III 13	NONEX	VIR	12 37.5	+06 04	99.9	99.9	194	13
NGC 4589	H I 273	GALXY	DRA	12 37.5	+74 12	10.7	13.0	009	02
NGC 4576		GALXY	VIR	12 37.6	+04 23	13.5	13.2	239	13
NGC 4578	H II 15	GALXY	VIR	12 37.6	+09 34	11.5	13.7	194	13
NGC 4574		GALXY	CEN	12 37.7	-35 30	13.0	13.6	369	21
NGC 4573		GALXY	CEN	12 37.7	-43 37	13.0	14.6	402	21
NGC 4579	M 58	GALXY	VIR	12 37.8	+11 50	09.7	13.1	194	13
NGC 4575		GALXY	CEN	12 37.8	-40 32	12.6	13.4	402	21
NGC 4580	H I 124	GALXY	VIR	12 37.9	+05 23	11.8	13.0	239	13
Harvard 6	Cr 261	OPNCL	MUS	12 37.9	-68 28	10.7	99.9	451	25
NGC 4583	H III 495	GALXY	CVN	12 38.0	+33 28	14.7	99.9	108	07
NGC 4585		GALXY	COM	12 38.1	+28 57	14.0	12.5	108	07

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NGC 4582		1STAR	VIR	12 38.2	+00 11	99.9	99.9	239	13
NGC 4581		GALXY	VIR	12 38.2	+01 28	12.5	13.3	239	13
NGC 4584		GALXY	VIR	12 38.4	+13 07	12.9	13.1	194	13
NGC 4586	H I 125	GALXY	VIR	12 38.5	+04 20	11.7	13.3	239	13
NGC 4587		GALXY	VIR	12 38.6	+02 40	13.5	12.7	239	13
NGC 4588	H III 98	GALXY	VIR	12 38.8	+06 46	14.3	13.3	194	13
NGC 4591	H III 504	GALXY	VIR	12 39.3	+06 01	13.0	13.1	194	13
NGC 4592	H II 31	GALXY	VIR	12 39.3	-00 31	11.7	13.9	239	13
Ru 106		OPNCL	CEN	12 39.3	-49 23	99.9	99.9	402	21
IC 3617	UGC 7822	GALXY	VIR	12 39.4	+07 58	14.2	14.0	194	13
NGC 4590	M 68	GLOCL	HYA	12 39.5	-26 45	08.2	99.9	329	21
NGC 4593	H II 183	GALXY	VIR	12 39.6	-05 20	10.9	13.4	239	13
NGC 4603A		GALXY	CEN	12 39.7	-40 44	13.5	13.6	402	21
Tr 20	Harvard 7	OPNCL	CRU	12 39.7	-60 36	10.1	99.9	429	25
NGC 4595	H II 632	GALXY	COM	12 39.9	+15 18	12.1	12.7	194	13
NGC 4594	M 104	GALXY	VIR	12 39.9	-11 37	08	11.6	284	13
NGC 4596	H I 24	GALXY	VIR	12 40.0	+10 11	10.4	13.0	194	13
NGC 4605	H I 254	GALXY	UMA	12 40.0	+61 37	10.3	12.9	026	02
NGC 4597	H II 636	GALXY	VIR	12 40.1	-05 48	12.1	14.1	284	13
NGC 4598	H III 105	GALXY	VIR	12 40.3	+08 23	12.7	13.1	194	13
NGC 4600	H II 577	GALXY	VIR	12 40.4	+03 08	12.7	12.6	239	13
NGC 4599	H III 509	GALXY	VIR	12 40.5	+01 11	12.6	12.8	239	13
NGC 4603B		GALXY	CEN	12 40.5	-40 45	14.4	13.1	402	21
NGC 4602	H II 184	GALXY	VIR	12 40.6	-05 08	11.5	12.9	239	13
NGC 4604	MCG -01-32-037	GALXY	VIR	12 40.7	-05 18	99.9	99.9	239	13
NGC 4603C		GALXY	CEN	12 40.9	-40 45	13.1	12.6	402	21
NGC 4601		GALXY	CEN	12 40.9	-40 55	13.5	13.3	402	21
NGC 4606	H III 43	GALXY	VIR	12 41.0	+11 55	11.8	13.5	194	13
NGC 4603		GALXY	CEN	12 41.0	-40 58	11.6	13.7	402	21
NGC 4617	H II 744	GALXY	CVN	12 41.2	+50 26	13.2	13.6	048	02
NGC 4608	H II 69	GALXY	VIR	12 41.3	+10 10	11.0	13.2	194	13
NGC 4607	Ho 436b	GALXY	VIR	12 41.3	+11 54	12.8	13.4	194	13
NGC 4610	H II 19	NONEX	VIR	12 41.4	+07 43	99.9	99.9	194	13
NGC 4614	UGC 7851	GALXY	COM	12 41.4	+26 02	13.3	12.9	149	07
NGC 4613		GALXY	COM	12 41.4	+26 05	15.5	99.9	149	07
NGC 4611	IC 805	GALXY	COM	12 41.5	+13 44	14.1	12.6	194	13
NGC 4615	UGC 7852	GALXY	COM	12 41.5	+26 04	13.1	13.2	149	07
NGC 4618	H I 178	GALXY	CVN	12 41.5	+41 10	10.8	13.5	075	07
NGC 4612	H II 148	GALXY	VIR	12 41.6	+07 19	10.9	12.5	194	13
NGC 4619	H II 411	GALXY	CVN	12 41.7	+35 04	12.7	13.1	108	07
NGC 4648	H I 274	GALXY	DRA	12 41.7	+74 26	12.0	13.4	009	02
NGC 4625	IC 3675	GALXY	CVN	12 41.9	+41 17	12.4	13.8	075	07
NGC 4627	H II 659	GALXY	CVN	12 42.0	+32 35	12.4	14.1	108	07
NGC 4621	M 59	GALXY	VIR	12 42.1	+11 39	09.6	12.9	194	13
NGC 4620		GALXY	VIR	12 42.1	+12 57	12.2	13.2	194	13
NGC 4631	H V 42	GALXY	CVN	12 42.1	+32 33	09.2	13.1	108	07
IC 3687	UGC 7866	GALXY	CVN	12 42.1	+38 30	13.4	15.8	108	07
NGC 4623	H II 149	GALXY	VIR	12 42.2	+07 41	12.2	12.6	194	13
NGC 4616		GALXY	CEN	12 42.2	-40 38	13.4	13.1	402	21

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NGC 4603D		GALXY	CEN	12 42.2	-40 49	13.2	13.6	402	21
NGC 4624		NONEX	VIR	12 42.3	+03 04	99.9	99.9	239	13
NGC 4609		OPNCL	CRU	12 42.3	-62 58	06.9	99.9	451	25
NGC 4628	H II 773	GALXY	VIR	12 42.4	-06 57	14.0	99.9	284	13
NGC 4626	H II 772	GALXY	VIR	12 42.4	-07 02	14.0	99.9	284	13
NGC 4629		2STAR	VIR	12 42.5	-01 21	99.9	99.9	239	13
NGC 4632	H I 14	GALXY	VIR	12 42.6	+00 05	11.7	12.9	239	13
NGC 4630	H II 532	GALXY	VIR	12 42.6	+03 58	12.6	13.4	239	13
NGC 4635		GALXY	COM	12 42.6	+19 57	12.6	13.6	149	13
NGC 4644	H II 794	GALXY	UMA	12 42.6	+55 09	13.9	13.5	048	02
NGC 4633	IC 3688,UGC 7874	GALXY	COM	12 42.7	+14 22	13.1	13.6	194	13
NGC 4622		GALXY	CEN	12 42.7	-40 44	12.2	13.2	402	21
NGC 4634	H III 603	GALXY	COM	12 42.8	+14 18	12.4	12.8	194	13
NGC 4646	UGC 7892	GALXY	UMA	12 42.8	+54 51	13.4	11.4	048	02
NGC 4636	NGC 4624?	GALXY	VIR	12 42.9	+02 42	09.5	13.1	239	13
NGC 4638	H II 70	GALXY	VIR	12 42.9	+11 27	11.2	12.3	194	13
NGC 4637	UGC 7881	GALXY	VIR	12 43.0	+11 27	16.0	99.9	194	13
NGC 4640B	UGC 7888	GALXY	VIR	12 43.0	+12 18	15.2	99.9	194	13
NGC 4639	H II 125	GALXY	VIR	12 43.0	+13 16	11.5	13.2	194	13
NGC 4640A		GALXY	VIR	12 43.1	+12 18	15.0	99.9	194	13
NGC 4645A		GALXY	CEN	12 43.1	-41 21	12.2	13.0	402	21
NGC 4641		GALXY	VIR	12 43.2	+11 03	13.2	13.3	194	13
NGC 4652		GALXY	UMA	12 43.3	+58 58	15.5	99.9	048	02
NGC 4642	H III 494	GALXY	VIR	12 43.3	-00 38	12.9	12.9	239	13
NGC 4643	H I 10	GALXY	VIR	12 43.4	+01 59	10.8	12.7	239	13
NGC 4647	H III 144	GALXY	VIR	12 43.6	+11 35	11.3	13.2	194	13
NGC 4655	H II 661	GALXY	CVN	12 43.6	+41 02	15.3	99.9	075	07
NGC 4645B		GALXY	CEN	12 43.6	-41 21	12.1	12.3	402	21
Hogg 15		OPNCL	CRU	12 43.6	-63 06	10.3	99.9	451	25
NGC 4649	M 60	GALXY	VIR	12 43.7	+11 34	08.8	12.9	194	13
NGC 4651	H II 12	GALXY	COM	12 43.8	+16 24	10.8	13.2	194	13
NGC 4656	H I 176	GALXY	CVN	12 43.9	+32 11	10.5	14.5	108	07
NGC 4653	H III 662	GALXY	VIR	12 43.9	-00 33	12.2	14.4	239	13
NGC 4622A		GALXY	CEN	12 43.9	-40 42	13.5	12.1	402	21
NGC 4622B		GALXY	CEN	12 43.9	-40 42	13.9	13.5	402	21
NGC 4654	IC 3708	GALXY	VIR	12 44.0	+13 08	10.5	13.2	194	13
NGC 4657	H I 177	GALXY	CVN	12 44.1	+32 13	10.6	99.9	108	07
NGC 4645		GALXY	CEN	12 44.1	-41 45	11.8	12.9	402	21
NGC 4650		GALXY	CEN	12 44.4	-40 43	11.6	13.9	402	21
UGC 7911		GALXY	VIR	12 44.5	+00 29	12.9	14.4	239	13
NGC 4662	H II 643	GALXY	CVN	12 44.5	+37 07	12.7	13.8	108	07
NGC 4660	H II 71	GALXY	VIR	12 44.6	+11 12	11.2	12.6	194	13
NGC 4659	H II 127	GALXY	COM	12 44.6	+13 31	12.1	12.8	194	13
NGC 4669	UGC 7925	GALXY	UMA	12 44.7	+54 53	13.2	12.3	048	02
NGC 4658	H II 558	GALXY	VIR	12 44.7	-10 05	12.5	13.0	284	13
NGC 4650A		GALXY	CEN	12 44.9	-40 42	12.9	13.0	402	21
NGC 4664	H II 39	NONEX	VIR	12 45.0	+03 13	99.9	99.9	239	13
NGC 4663	IC 811	GALXY	VIR	12 45.0	-10 10	14.0	99.9	284	13
NGC 4661	NGC 4650B?	GALXY	CEN	12 45.1	-41 01	13.5	12.7	402	21

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NGC 4665	NGC 4664	GALXY	VIR	12 45.2	+03 04	10.5	13.1	239	13
NGC 4670	H III 328	GALXY	COM	12 45.2	+27 08	12.7	13.0	149	07
NGC 4666	H I 15	GALXY	VIR	12 45.2	-00 27	10.7	12.5	239	13
NGC 4667		NONEX	VIR	12 45.3	+11 26	99.9	99.9	194	13
NGC 4673	H III 329	GALXY	COM	12 45.5	+27 04	12.9	12.7	149	07
NGC 4675	H III 778	GALXY	UMA	12 45.5	+54 44	14.4	13.6	048	02
NGC 4668	H III 663	GALXY	VIR	12 45.6	+00 16	13.1	13.1	239	13
NGC 4671	H II 774	GALXY	VIR	12 45.8	-07 04	14.5	99.9	284	13
NGC 4674		GALXY	VIR	12 46.0	-08 39	15.0	99.9	284	13
UGC 7941		GALXY	DRA	12 46.1	+64 34	13.9	99.9	026	02
NGC 4676A	IC 819	GALXY	COM	12 46.1	+30 44	14.1	99.9	108	07
NGC 4676B	IC 820	GALXY	COM	12 46.2	+30 44	14.1	99.9	108	07
NGC 4672		GALXY	CEN	12 46.3	-41 43	13.2	13.2	402	21
NGC 4686	H II 795	GALXY	UMA	12 46.6	+54 33	12.6	12.6	048	02
UGC 7943		GALXY	VIR	12 46.7	+05 58	13.1	14.5	194	13
NGC 4678		GALXY	VIR	12 46.7	-04 35	99.9	99.9	239	13
NGC 4680		GALXY	VIR	12 46.9	-11 37	13.0	99.9	284	13
NGC 4696A		GALXY	CEN	12 47.0	-41 30	13.7	13.2	402	21
NGC 4677		GALXY	CEN	12 47.0	-41 35	12.8	12.9	402	21
NGC 4685	H III 398	GALXY	COM	12 47.1	+19 28	12.6	12.9	149	13
NGC 4693	H III 906	GALXY	DRA	12 47.1	+71 12	13.4	13.4	026	02
NGC 4684	H II 181	GALXY	VIR	12 47.3	-02 44	11.4	12.4	239	13
NGC 4682	H III 523	GALXY	VIR	12 47.3	-10 04	12.1	13.3	284	13
NGC 4687		GALXY	CVN	12 47.4	+35 22	13.2	12.9	108	07
NGC 4695	H II 796	GALXY	UMA	12 47.5	+54 23	13.4	12.9	048	02
NGC 4679		GALXY	CEN	12 47.5	-39 34	12.4	13.2	402	21
NGC 4696B		GALXY	CEN	12 47.5	-41 14	12.7	12.5	402	21
NGC 4681		GALXY	CEN	12 47.5	-43 20	12.6	13.0	402	21
NGC 4683		GALXY	CEN	12 47.7	-41 30	12.7	12.8	402	21
NGC 4688	H III 543	GALXY	VIR	12 47.8	+04 21	11.9	14.1	239	13
NGC 4689	H II 128	GALXY	COM	12 47.9	+13 46	10.9	13.7	194	13
NGC 4692	IC 823	GALXY	COM	12 47.9	+27 14	12.6	13.1	149	07
NGC 4690	H III 664	GALXY	VIR	12 47.9	-01 38	12.9	12.7	239	13
NGC 4696C		GALXY	CEN	12 48.1	-40 48	13.8	13.2	402	21
NGC 4691	H II 182	GALXY	VIR	12 48.2	-03 20	11.1	12.9	239	13
NGC 4694	H II 72	GALXY	VIR	12 48.3	+10 59	11.4	13.0	194	13
NGC 4707	H III 815	GALXY	CVN	12 48.3	+51 11	12.9	14.4	048	02
NGC 4696D		GALXY	CEN	12 48.4	-41 42	13.0	12.2	402	21
NGC 4698	H I 8	GALXY	VIR	12 48.5	+08 30	10.6	12.9	194	13
NGC 4696E		GALXY	CEN	12 48.5	-40 55	13.5	13.7	402	21
NGC 4697	H I 39	GALXY	VIR	12 48.6	-05 48	09.2	13.1	284	13
NGC 4704	H II 662	GALXY	CVN	12 48.8	+41 56	13.7	13.6	075	07
NGC 4711	IC 3804	GALXY	CVN	12 48.9	+35 21	13.4	13.5	108	07
NGC 4696		GALXY	CEN	12 48.9	-41 18	10.4	13.3	402	21
NGC 4702		GALXY	COM	12 49.0	+27 11	15.0	99.9	149	07
NGC 4699	H I 129	GALXY	VIR	12 49.1	-08 40	09.5	11.9	284	13
NGC 4700	H III 524	GALXY	VIR	12 49.1	-11 24	11.9	12.4	284	13
NGC 4701	H II 578	GALXY	VIR	12 49.2	+03 24	12.4	14.2	239	13
NGC 4703	H III 514	GALXY	VIR	12 49.4	-09 07	14.5	99.9	284	13

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AN 3	MCG -02-33-015	GALXY	VIR	12 49.4	-10 07	11.6	14.2	284	13
NGC 4710	H II 95	GALXY	COM	12 49.5	+15 10	11.0	12.8	194	13
NGC 4712	UGC 7977, Ho 468b	GALXY	COM	12 49.5	+25 29	12.8	13.7	149	07
NGC 4705	H III 610	GALXY	VIR	12 49.5	-05 11	14.0	99.9	239	13
NGC 4708	H III 722	GALXY	VIR	12 49.7	-11 05	14.0	99.9	284	13
NGC 4715		GALXY	COM	12 49.8	+27 49	13.1	14.2	149	07
NGC 4713	H I 140	GALXY	VIR	12 50.0	+05 19	11.7	13.2	239	13
NGC 4706		GALXY	CEN	12 50.0	-41 15	12.9	12.5	402	21
NGC 4719	H III 424	GALXY	CVN	12 50.1	+33 09	13.2	13.6	108	07
NGC 4732	H II 814	GALXY	UMA	12 50.1	+52 52	13.9	13.5	048	02
NGC 4750	H IV 78	GALXY	DRA	12 50.1	+72 53	11.2	12.5	009	02
NGC 4709		GALXY	CEN	12 50.1	-41 22	10.9	12.6	402	21
NGC 4721		GALXY	COM	12 50.2	+27 20	14.4	12.7	149	07
NGC 4714	H III 536	GALXY	CRV	12 50.3	-13 18	14.0	99.9	284	13
NGC 4725	H I 84	GALXY	COM	12 50.4	+25 33	09.4	14.0	149	07
NGC 4728	Ho 469a, UGC 7992	GALXY	COM	12 50.4	+27 26	13.5	13.9	149	07
NGC 4716A		GALXY	VIR	12 50.5	-09 26	15.0	99.9	284	13
NGC 4716B		GALXY	VIR	12 50.5	-09 29	15.0	99.9	284	13
NGC 4728A	Ho 469?	GALXY	COM	12 50.6	+27 25	14.5	99.9	149	07
NGC 4728B	Ho 469?	GALXY	COM	12 50.6	+27 29	16.0	99.9	149	07
NGC 4718		GALXY	VIR	12 50.6	-05 16	15.0	99.9	239	13
NGC 4717		GALXY	VIR	12 50.6	-09 26	15.0	99.9	284	13
NGC 4737	H III 496	GALXY	CVN	12 50.9	+34 09	15.3	99.9	108	07
NGC 4736	M 94	GALXY	CVN	12 50.9	+41 08	08.2	13.1	075	07
NGC 4741	H III 721	GALXY	CVN	12 50.9	+47 40	13.7	13.5	075	07
NGC 4724	H III 280	GALXY	CRV	12 50.9	-14 20	15.0	99.9	284	13
NGC 4727	H II 298	GALXY	CRV	12 50.9	-14 20	13.0	99.9	284	13
NGC 4735		GALXY	COM	12 51.0	+28 56	14.5	12.6	108	07
NGC 4731	H I 41	GALXY	VIR	12 51.0	-06 24	11.5	14.6	284	13
NGC 4738		GALXY	COM	12 51.1	+28 48	13.4	12.8	108	07
NGC 4723		GALXY	CRV	12 51.1	-13 15	15.0	99.9	284	13
NGC 4733	H II 73	GALXY	VIR	12 51.2	+10 55	11.9	12.2	194	13
NGC 4745B		GALXY	COM	12 51.2	+27 26	16.0	99.9	149	07
NGC 4749	H III 907	GALXY	DRA	12 51.2	+71 38	13.5	12.9	026	02
NGC 4731A		GALXY	VIR	12 51.2	-06 33	14.5	99.9	284	13
NGC 4734		GALXY	VIR	12 51.3	+04 52	13.5	13.2	239	13
NGC 4745A		GALXY	COM	12 51.3	+27 26	15.4	99.9	149	07
NGC 4722	IC 3833	GALXY	CRV	12 51.5	-13 19	13.0	99.9	284	13
NGC 4726	IC 3834	GALXY	CRV	12 51.5	-14 13	14.0	99.9	284	13
NGC 4739	H III 515	GALXY	VIR	12 51.6	-08 24	14.0	99.9	284	13
NGC 4747	H II 344	GALXY	COM	12 51.7	+25 47	12.4	13.7	149	07
NGC 4742	H I 133	GALXY	VIR	12 51.8	-10 28	11.3	12.8	284	13
NGC 4729		GALXY	CEN	12 51.8	-41 08	12.3	13.1	402	21
NGC 4746		GALXY	VIR	12 52.0	+12 05	12.6	14.0	194	13
NGC 4720	H III 611	GALXY	VIR	12 52.0	-04 09	15.0	99.9	239	13
NGC 4730		GALXY	CEN	12 52.0	-41 09	12.9	12.9	402	21
NGC 4748	H III 537	GALXY	CRV	12 52.2	-13 24	99.9	99.9	284	13
NGC 4752	H III 82	1STAR	COM	12 52.3	+13 29	99.9	99.9	194	13
NGC 4743		GALXY	CEN	12 52.3	-41 23	13.0	12.4	402	21

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NGC 4754	H I 25	GALXY VIR	12 52.4	+11 19	10.6	13.1	194	13
NGC 4753	H I 16	GALXY VIR	12 52.4	-01 12	09.9	12.9	239	13
NGC 4744		GALXY CEN	12 52.4	-41 02	12.6	13.3	402	21
NGC 4758	H III 70	GALXY COM	12 52.6	+15 51	13.1	13.8	194	13
NGC 4740		NONEX CRV	12 52.8	-14 28	99.9	99.9	284	13
NGC 4757		GALXY VIR	12 52.9	-10 18	15.0	99.9	284	13
NGC 4756	H III 281	GALXY CRV	12 52.9	-15 24	12.4	13.1	284	13
NGC 4751		GALXY CEN	12 52.9	-42 40	11.8	13.0	402	21
NGC 4762	H II 75	GALXY VIR	12 53.0	+11 14	10.3	13.0	194	13
Coalsack		DRKNB CRU	12 53.0	-63 00	79.9	79.9	451	25
NGC 4759	H II 559	GALXY VIR	12 53.1	-09 11	15.0	99.9	284	13
NGC 4761		GALXY VIR	12 53.1	-09 11	13.8	11.6	284	13
NGC 4766		GALXY VIR	12 53.1	-10 22	15.0	99.9	284	13
NGC 4760		GALXY VIR	12 53.1	-10 30	11.4	12.8	284	13
NGC 4767A		GALXY CEN	12 53.1	-39 51	15.6	14.1	402	21
NGC 4774	H III 618	GALXY CVN	12 53.2	+36 49	14.3	12.5	108	07
NGC 4764		GALXY VIR	12 53.2	-09 15	15.0	99.9	284	13
NGC 4763	H III 489	GALXY CRV	12 53.2	-16 59	12.6	12.9	284	13
NGC 4765	H III 544	GALXY VIR	12 53.3	+04 28	13.0	12.8	239	13
NGC 4768		1STAR VIR	12 53.3	-09 32	99.9	99.9	284	13
NGC 4769		2STAR VIR	12 53.3	-09 32	99.9	99.9	284	13
NGC 4771	H II 535	GALXY VIR	12 53.4	+01 16	12.3	13.4	239	13
NGC 4772	H II 24	GALXY VIR	12 53.5	+02 10	11.0	12.8	239	13
NGC 4770	H III 525	GALXY VIR	12 53.5	-09 31	14.0	99.9	284	13
NGC 4785		GALXY CEN	12 53.5	-48 46	12.4	12.9	402	21
NGC 4773	H III 516	GALXY VIR	12 53.6	-08 39	15.0	99.9	284	13
PK303+40.1	Abell 35	PLNNB HYA	12 53.6	-22 52	12.0	99.9	329	21
NGC 4755		OPNCL CRU	12 53.6	-60 20	04.2	99.9	429	25
NGC 4775	H II 186	GALXY VIR	12 53.7	-06 37	11.1	12.5	284	13
NGC 4779	H III 106	GALXY VIR	12 53.9	+09 44	12.4	13.7	194	13
vdB-Ha 140		OPNCL MUS	12 53.9	-65 21	99.9	99.9	451	25
NGC 4777	H III 517	GALXY VIR	12 54.0	-08 48	14.5	99.9	284	13
NGC 4767		GALXY CEN	12 54.0	-39 43	11.5	12.7	402	21
NGC 4787		GALXY COM	12 54.1	+27 04	14.4	13.0	149	07
NGC 4789A	UGC 8024	GALXY COM	12 54.1	+27 09	13.6	15.5	149	07
NGC 4780		GALXY VIR	12 54.1	-08 37	14.0	99.9	284	13
NGC 4780A		GALXY VIR	12 54.1	-08 38	99.9	99.9	284	13
NGC 4778	MCG -01-33-037	GALXY VIR	12 53.1	-09 12	12.5	99.9	284	13
NGC 4776	MCG -01-33-036	GALXY VIR	12 53.0	-09 12	13.0	99.9	284	13
NGC 4788		GALXY COM	12 54.2	+27 19	14.3	99.9	149	07
NGC 4789	H II 345	GALXY COM	12 54.3	+27 04	12.1	13.1	149	07
NGC 4781	H I 134	GALXY VIR	12 54.4	-10 32	11.1	12.8	284	13
NGC 4800	H I 211	GALXY CVN	12 54.5	+46 32	11.5	12.0	075	07
NGC 4793	H I 93	GALXY COM	12 54.6	+28 57	11.6	13.0	108	07
NGC 4801	H III 816	GALXY UMA	12 54.6	+53 06	15.7	99.9	048	02
NGC 4786	H II 187	GALXY VIR	12 54.6	-06 51	11.7	12.4	284	13
NGC 4784	H III 526	GALXY VIR	12 54.6	-10 37	15.0	99.9	284	13
NGC 4783	3C278,H I 136	GALXY CRV	12 54.6	-12 33	11.5	12.8	284	13
NGC 4782	H I 135	GALXY CRV	12 54.6	-12 34	11.7	12.9	284	13

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NGC 4791		GALXY	VIR	12 54.8	+08 03	15.1	99.9	194	13
IC 3881	UGC 8036	GALXY	COM	12 54.8	+19 11	13.0	14.1	149	13
NGC 4790	H II 560	GALXY	VIR	12 54.8	-10 14	12.1	12.6	284	13
NGC 4767B		GALXY	CEN	12 54.8	-39 51	13.1	13.3	402	21
NGC 4809	Ho 486a	GALXY	VIR	12 54.9	+02 39	13.7	14.1	239	13
NGC 4810	UGC 8034, Ho 486b	GALXY	VIR	12 54.9	+02 39	13.7	14.0	239	13
NGC 4797		NONEX	COM	12 54.9	+27 21	99.9	99.9	149	07
NGC 4798	H II 382	GALXY	COM	12 54.9	+27 25	13.2	13.1	149	07
NGC 4792		GALXY	CRV	12 55.0	-12 32	99.9	99.9	284	13
NGC 4795	H II 21	GALXY	VIR	12 55.1	+08 04	12.1	13.1	194	13
NGC 4796		GALXY	VIR	12 55.1	+08 04	13.5	99.9	194	13
UGC 8041	AN 4	GALXY	VIR	12 55.2	+00 07	12.0	13.8	239	13
NGC 4794	H II 538	GALXY	CRV	12 55.2	-12 37	14.0	99.9	284	13
NGC 4799	H III 548	GALXY	VIR	12 55.3	+02 54	13.3	12.9	239	13
NGC 4807B		GALXY	COM	12 55.4	+27 33	99.9	99.9	149	07
NGC 4805		GALXY	COM	12 55.4	+27 57	99.9	99.9	149	07
NGC 4814	H I 243	GALXY	UMA	12 55.4	+58 21	12.0	14.0	048	02
NGC 4807A	UGC 8049	GALXY	COM	12 55.5	+27 31	14.4	99.9	149	07
NGC 4803		GALXY	VIR	12 55.7	+08 14	15.0	99.9	194	13
UGC 8053		GALXY	VIR	12 55.8	+04 01	13.7	14.2	239	13
NGC 4802		GALXY	CRV	12 55.8	-12 03	12.0	99.9	284	13
NGC 4808	H I 141	GALXY	VIR	12 55.9	+04 18	11.7	12.8	239	13
NGC 4804	NGC 4802	NONEX	CRV	12 55.9	-13 02	99.9	99.9	284	13
NGC 4816	UGC 8057	GALXY	COM	12 56.2	+27 45	12.8	13.1	149	07
NGC 4817	H II 386	NONEX	COM	12 56.2	+28 00	99.9	99.9	108	07
UGC 8058	Mrk 231	GALXY	UMA	12 56.2	+56 52	13.6	13.7	048	02
NGC 4806		GALXY	HYA	12 56.2	-29 30	12.7	12.7	369	21
NGC 4819	H II 346	GALXY	COM	12 56.4	+26 59	13.2	13.1	149	07
NGC 4834	H III 817	GALXY	CVN	12 56.4	+52 18	15.5	99.9	048	02
NGC 4821	Ho 490b	GALXY	COM	12 56.5	+26 58	14.5	12.4	149	07
NGC 4824		GALXY	COM	12 56.6	+27 31	99.9	99.9	149	07
NGC 4813	H II 777	GALXY	VIR	12 56.6	-06 48	15.0	99.9	284	13
NGC 4826	M 64	GALXY	COM	12 56.7	+21 41	08.5	12.7	149	07
NGC 4827	H II 384	GALXY	COM	12 56.7	+27 11	12.9	13.4	149	07
NGC 4828		GALXY	COM	12 56.7	+28 01	14.2	12.7	108	07
NGC 4837		GALXY	CVN	12 56.8	+48 18	14.4	99.9	075	07
NGC 4818	H II 549	GALXY	VIR	12 56.9	-08 31	11.1	13.0	284	13
NGC 4811		GALXY	CEN	12 56.9	-41 48	13.0	13.1	402	21
NGC 4812		GALXY	CEN	12 56.9	-41 49	13.1	12.1	402	21
NGC 4822		GALXY	VIR	12 57.0	-10 45	14.0	99.9	284	13
NGC 4820		GALXY	VIR	12 57.0	-13 42	15.0	99.9	284	13
NGC 4835A		GALXY	CEN	12 57.0	-46 23	13.3	13.2	402	21
NGC 4825	H II 563	GALXY	VIR	12 57.1	-13 40	11.7	12.5	284	13
NGC 4857	H III 908	GALXY	DRA	12 57.2	+70 12	13.8	13.5	026	02
NGC 4829		GALXY	VIR	12 57.3	-13 44	99.9	99.9	284	13
NGC 4839	H II 386	GALXY	COM	12 57.4	+27 30	12.1	14.3	149	07
NGC 4842		GALXY	COM	12 57.4	+27 33	14.9	99.9	149	07
NGC 4823		GALXY	VIR	12 57.4	-13 44	99.9	99.9	284	13
NGC 4830		GALXY	VIR	12 57.4	-19 42	12.1	12.8	329	13

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NGC 4840	H II 385	GALXY	COM	12 57.5	+27 37	13.7	12.9	149	07
NGC 4841A	H II 387	GALXY	COM	12 57.5	+28 29	12.8	13.8	108	07
NGC 4836		GALXY	VIR	12 57.5	-12 45	13.0	99.9	284	13
NGC 4841B	UGC 8073, Ho 492b	GALXY	COM	12 57.6	+28 29	12.6	13.9	108	07
NGC 4831		GALXY	HYA	12 57.6	-27 18	12.4	12.6	329	21
NGC 4832		GALXY	CEN	12 57.8	-39 44	12.2	13.0	402	21
NGC 4846		GALXY	CVN	12 57.9	+36 22	13.5	13.0	108	07
NGC 4838		GALXY	VIR	12 57.9	-13 03	13.0	99.9	284	13
NGC 4850		GALXY	COM	12 58.0	+27 58	14.2	13.2	149	07
NGC 4843	H III 613	GALXY	VIR	12 58.0	-03 37	13.0	12.8	239	13
NGC 4815		OPNCL	MUS	12 58.0	-64 57	08.6	99.9	451	25
NGC 4845	H II 536	GALXY	VIR	12 58.1	+01 35	11.2	13.1	239	13
NGC 4848		GALXY	COM	12 58.1	+28 15	13.7	13.3	108	07
NGC 4844		1STAR	VIR	12 58.1	-13 04	99.9	99.9	284	13
NGC 4835		GALXY	CEN	12 58.1	-46 15	11.6	12.8	402	21
NGC 4849	IC 3935, UGC 8086	GALXY	COM	12 58.2	+26 24	12.9	13.6	149	07
NGC 4849A	IC 838?	GALXY	COM	12 58.3	+26 25	16.0	99.9	149	07
NGC 4851	IC 839	GALXY	COM	12 58.3	+28 09	15.5	99.9	108	07
NGC 4847		GALXY	VIR	12 58.5	-13 08	99.9	99.9	284	13
NGC 4853	UGC 8092, II Zw 67	GALXY	COM	12 58.6	+27 36	13.6	13.0	149	07
UGC 8091		GALXY	VIR	12 58.7	+14 13	14.5	99.9	194	13
NGC 4854		GALXY	COM	12 58.8	+27 41	13.9	99.9	149	07
NGC 4859		GALXY	COM	12 59.0	+26 49	13.6	13.4	149	07
NGC 4858		GALXY	COM	12 59.0	+28 07	15.2	13.6	108	07
NGC 4860		GALXY	COM	12 59.1	+28 08	13.5	14.1	108	07
NGC 4861	H IV 30	GALXY	CVN	12 59.1	+34 52	12.3	14.1	108	07
Sa 156		DRKNB	CHA	12 59.1	-77 10	79.9	79.9	466	25
NGC 4864		GALXY	COM	12 59.2	+27 59	13.6	11.8	149	07
NGC 4868	H II 644	GALXY	CVN	12 59.2	+37 19	12.2	13.0	108	07
NGC 4867		GALXY	COM	12 59.3	+28 00	14.5	13.6	108	07
NGC 4865	UGC 8100	GALXY	COM	12 59.3	+28 05	13.7	12.8	108	07
NGC 4870		GALXY	CVN	12 59.3	+37 00	99.9	99.9	108	07
NGC 4855		GALXY	VIR	12 59.3	-13 13	14.0	99.9	284	13
NGC 4856	H I 68	GALXY	VIR	12 59.3	-15 02	10.5	12.1	284	13
NGC 4866	H I 162	GALXY	VIR	12 59.4	+14 10	11.2	13.4	194	13
PK 49+88.1		PLNNB	COM	12 59.4	+27 38	16.0	99.9	149	07
NGC 4869	H II 388	GALXY	COM	12 59.4	+27 55	13.8	13.1	149	07
NGC 4862		GALXY	VIR	12 59.4	-14 07	15.0	99.9	284	13
NGC 4871		GALXY	COM	12 59.5	+27 58	14.1	12.8	149	07
NGC 4873		GALXY	COM	12 59.5	+27 59	14.1	13.1	149	07
NGC 4875		GALXY	COM	12 59.6	+27 55	14.6	99.9	149	07
NGC 4876		GALXY	COM	12 59.6	+27 55	14.4	12.9	149	07
NGC 4872	H II 389	GALXY	COM	12 59.6	+27 57	14.4	15.2	149	07
NGC 4874	UGC 8103	GALXY	COM	12 59.6	+27 58	11.7	13.1	149	07
NGC 4863		GALXY	VIR	12 59.6	-14 01	15.0	99.9	284	13
NGC 4833	Lac I-4	GLOCL	MUS	12 59.6	-70 53	07.4	99.9	451	25
Abell 1656	Coma I	GALCL	COM	12 59.8	+27 59	11.0	99.9	149	07
NGC 4882		GALXY	COM	12 59.9	+27 59	15.5	99.9	149	07
NGC 4883		GALXY	COM	12 59.9	+28 02	14.4	99.9	108	07

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NGC 4881	UGC 8106	GALXY	COM	12 59.9	+28 15	13.6	13.5	108	07
NGC 4901		GALXY	CVN	12 59.9	+47 12	15.5	99.9	075	07
NGC 4892	H II 390	GALXY	COM	13 00.0	+26 54	13.9	12.7	149	07
NGC 4884		NONEX	COM	13 00.0	+27 59	99.9	99.9	149	07
NGC 4880	H III 83	GALXY	VIR	13 00.1	+12 29	11.4	13.5	194	14
NGC 4886		GALXY	COM	13 00.1	+27 59	13.9	14.0	149	07
NGC 4889	H II 321	GALXY	COM	13 00.1	+27 59	11.5	13.3	149	07
NGC 4893	IC 4015	GALXY	CVN	13 00.1	+37 11	15.6	99.9	109	07
NGC 4893A		GALXY	CVN	13 00.1	+37 11	99.9	99.9	109	07
NGC 4852	Dunlop 311	OPNCL	CEN	13 00.1	-59 36	08.9	99.9	429	25
NGC 4895		GALXY	COM	13 00.2	+28 12	13.2	13.2	109	07
NGC 4898		GALXY	COM	13 00.3	+27 57	13.5	99.9	149	07
NGC 4894	H III 363?	GALXY	COM	13 00.3	+27 58	15.2	99.9	149	07
NGC 4878	H III 758	GALXY	VIR	13 00.3	-06 05	14.5	99.9	284	14
NGC 4877	H II 299	GALXY	VIR	13 00.4	-15 17	13.0	99.9	284	14
NGC 4896	UGC 8117	GALXY	COM	13 00.5	+28 21	13.9	13.2	109	07
NGC 4879	H III 759	GALXY	VIR	13 00.5	-06 03	17.0	99.9	284	14
NGC 4885		GALXY	VIR	13 00.5	-06 50	15.0	99.9	284	14
NGC 4890	H III 614	GALXY	VIR	13 00.6	-04 34	14.0	99.9	239	14
NGC 4887		GALXY	VIR	13 00.6	-14 40	14.0	99.9	284	14
NGC 4900	H I 143	GALXY	VIR	13 00.7	+02 30	11.4	12.9	239	14
NGC 4906		GALXY	COM	13 00.7	+27 56	14.1	99.9	149	07
NGC 4916		GALXY	CVN	13 00.7	+37 22	99.9	99.9	109	07
NGC 4891		1STAR	VIR	13 00.7	-13 25	12.6	99.9	284	14
IC 4051	UGC 8129	GALXY	COM	13 00.8	+28 00	13.2	13.0	109	07
NGC 4908		GALXY	COM	13 00.8	+28 03	13.6	13.6	109	07
NGC 4907		GALXY	COM	13 00.8	+28 10	13.6	13.5	109	07
NGC 4914	H II 645	GALXY	CVN	13 00.8	+37 19	11.6	13.6	109	07
NGC 4913		NONEX	CVN	13 00.8	+37 21	99.9	99.9	109	07
NGC 4912		NONEX	CVN	13 00.8	+37 23	99.9	99.9	109	07
NGC 4911	H II 392	GALXY	COM	13 00.9	+27 47	12.8	13.3	149	07
NGC 4917		GALXY	CVN	13 00.9	+47 14	13.8	14.1	075	07
NGC 4897		GALXY	VIR	13 00.9	-13 27	11.8	13.6	284	14
NGC 4899	H II 300	GALXY	VIR	13 00.9	-13 57	11.9	13.2	284	14
NGC 4902	H I 69	GALXY	VIR	13 00.9	-14 31	10.9	13.1	284	14
NGC 4904	H II 517	GALXY	VIR	13 01.0	+00 02	12.0	13.1	239	14
NGC 4911A	Ho 499b?	GALXY	COM	13 01.0	+27 48	15.5	99.9	149	07
NGC 4888	NGC 4879	NONEX	VIR	13 01.1	-06 04	99.9	99.9	284	14
NGC 4919		GALXY	COM	13 01.3	+27 48	14.1	13.6	149	07
NGC 4910	H V 3	NONEX	VIR	13 01.4	+01 40	99.9	99.9	239	14
NGC 4921	H II 393	GALXY	COM	13 01.4	+27 53	12.2	13.9	149	07
NGC 4922	UGC 8135	GALXY	COM	13 01.4	+29 19	14.2	99.9	109	07
NGC 4915	H IV 47	GALXY	VIR	13 01.4	-04 32	12.1	12.9	239	14
NGC 4903		GALXY	CEN	13 01.4	-30 56	13.0	13.6	370	21
NGC 4923	H II 394	GALXY	COM	13 01.5	+27 50	13.7	13.1	149	07
NGC 4905		GALXY	CEN	13 01.5	-30 52	13.2	13.8	370	21
NGC 4918		GALXY	VIR	13 01.8	-04 30	99.9	99.9	239	14
NGC 4926	UGC 8142	GALXY	COM	13 01.9	+27 38	13.0	13.1	149	07
NGC 4920		GALXY	VIR	13 01.9	-11 22	14.0	99.9	284	14

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NGC 4927	H III 364	GALXY	COM	13 02.0	+28 00	13.7	99.9	109	07
NGC 4909		GALXY	CEN	13 02.0	-42 46	12.6	13.8	402	21
NGC 4926A		GALXY	COM	13 02.1	+27 39	14.2	12.7	149	07
UGC 8146	MCG +10-19-015	GALXY	UMA	13 02.1	+58 42	13.8	13.9	048	02
NGC 4925	H II 779	GALXY	VIR	13 02.1	-07 42	14.0	99.9	284	14
NGC 4954	UGC 8157	GALXY	DRA	13 02.2	+75 24	14.2	99.9	009	02
NGC 4924		GALXY	VIR	13 02.2	-14 58	14.0	99.9	284	14
NGC 4932	H III 818	GALXY	CVN	13 02.6	+50 27	13.6	14.2	048	02
NGC 4929		GALXY	COM	13 02.7	+28 02	13.4	13.5	109	07
NGC 4928	H II 190	GALXY	VIR	13 02.9	-08 05	12.5	12.6	284	14
NGC 4931		GALXY	COM	13 03.0	+28 02	13.5	13.4	109	07
NGC 4938		GALXY	CVN	13 03.0	+51 20	14.1	13.3	048	02
UGC 8153		GALXY	VIR	13 03.1	+04 00	13.5	14.4	239	14
NGC 4935	UGC 8159	GALXY	COM	13 03.3	+14 23	13.0	13.1	194	14
NGC 4934		GALXY	COM	13 03.3	+28 01	14.4	12.5	109	07
NGC 4943		GALXY	COM	13 03.8	+28 05	15.6	99.9	109	07
NGC 4944	H II 395	GALXY	COM	13 03.8	+28 11	12.9	12.7	109	07
NGC 4933A	H II 191	GALXY	VIR	13 03.8	-11 29	11.7	12.3	284	14
NGC 4933B		GALXY	VIR	13 03.8	-11 30	15.0	99.9	284	14
NGC 4933C		GALXY	VIR	13 04.0	-11 30	17.0	99.9	284	14
NGC 4930		GALXY	CEN	13 04.1	-41 25	11.1	14.0	402	21
NGC 4949		GALXY	COM	13 04.2	+29 02	99.9	99.9	109	07
NGC 4972	NGC 4954	NONEX	UMI	13 04.2	+75 18	99.9	99.9	009	02
NGC 4941	H I 40	GALXY	VIR	13 04.2	-05 33	11.1	13.0	285	14
NGC 4942	IC 4136	GALXY	VIR	13 04.3	-07 40	14.0	99.9	285	14
NGC 4939	H II 561	GALXY	VIR	13 04.3	-10 21	11.3	14.1	285	14
NGC 4936		GALXY	CEN	13 04.3	-30 31	10.8	12.8	370	21
NGC 4947A		GALXY	CEN	13 04.3	-35 14	14.5	14.6	370	21
NGC 4937		NONEX	CEN	13 04.7	-47 13	99.9	99.9	402	21
NGC 4948	IC 4156	GALXY	VIR	13 04.9	-07 57	14.0	99.9	285	14
NGC 4940		GALXY	CEN	13 04.9	-47 16	13.1	13.2	402	21
NGC 4952	H II 396	GALXY	COM	13 05.0	+29 08	12.4	13.1	109	07
NGC 4956	H II 413	GALXY	CVN	13 05.1	+35 11	12.4	13.1	109	07
NGC 4951	H II 188	GALXY	VIR	13 05.1	-06 30	11.9	13.2	285	14
NGC 4948A		GALXY	VIR	13 05.1	-08 09	13.4	13.9	285	14
NGC 4957	H II 397	GALXY	COM	13 05.2	+27 34	13.0	13.2	150	07
NGC 4945	Dunlop 411	GALXY	CEN	13 05.3	-49 29	08.6	13.1	402	21
NGC 4964	H III 779	GALXY	UMA	13 05.4	+56 18	13.2	12.5	048	02
NGC 4947	IC 3974	GALXY	CEN	13 05.4	-35 20	11.8	12.9	370	21
NGC 4946		GALXY	CEN	13 05.4	-43 36	12.4	13.1	402	21
NGC 4973	H III 781	GALXY	UMA	13 05.5	+53 40	13.3	99.9	048	02
NGC 4950		GALXY	CEN	13 05.5	-43 31	13.9	13.3	402	21
NGC 4959		GALXY	CVN	13 05.7	+33 11	15.4	99.9	109	07
NGC 4967	H III 783	GALXY	UMA	13 05.7	+53 34	15.2	99.9	048	02
NGC 4958	H I 130	GALXY	VIR	13 05.7	-08 01	10.7	12.3	285	14
PK304+ 5.1		PLNNB	CEN	13 05.7	-57 39	99.9	99.9	429	25
NGC 4960		GALXY	COM	13 05.8	+27 33	99.9	99.9	150	07
NGC 4961	H II 398	GALXY	COM	13 05.8	+27 44	13.6	14.1	150	07
IC 4182	UGC 8188	GALXY	CVN	13 05.8	+37 36	12.5	16.1	109	07

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NGC 4963	H II 663	GALXY	CVN	13 05.8	+41 43	13.2	12.7	075	07
NGC 4962	H III 303	NONEX	COM	13 05.9	+29 04	99.9	99.9	109	07
NGC 4955		GALXY	HYA	13 06.1	-29 45	12.2	13.1	370	21
NGC 4953		GALXY	CEN	13 06.1	-37 34	13.1	12.9	370	21
NGC 4974	IC 847	GALXY	UMA	13 06.2	+53 37	15.7	99.9	048	02
NGC 4977	H III 780	GALXY	UMA	13 06.2	+55 39	13.3	14.1	048	02
NGC 4966	H III 304	GALXY	COM	13 06.3	+29 04	13.3	12.4	109	07
UGC 8201		GALXY	DRA	13 06.3	+67 42	12.5	14.4	026	02
NGC 4945A		GALXY	CEN	13 06.6	-49 40	12.5	13.7	402	21
NGC 4971		GALXY	COM	13 06.9	+28 32	13.4	13.4	109	07
NGC 4969		GALXY	VIR	13 07.0	+13 39	14.9	99.9	195	14
NGC 4968		GALXY	HYA	13 07.1	-23 41	12.8	13.1	330	21
NGC 4965		GALXY	HYA	13 07.3	-28 13	12.1	13.8	370	21
NGC 4970	IC 4196	GALXY	HYA	13 07.5	-24 02	12.2	12.8	330	21
NGC 4979	IC 4198	GALXY	COM	13 07.6	+24 49	13.8	13.4	150	07
NGC 4978	UGC 8212	GALXY	COM	13 07.8	+18 25	13.1	13.2	150	14
NGC 4987	H II 815	GALXY	CVN	13 08.0	+51 56	13.4	13.2	048	02
NGC 4975		GALXY	VIR	13 08.0	-05 01	15.5	99.9	240	14
NGC 4985	H III 654	GALXY	CVN	13 08.1	+41 41	13.7	14.0	075	07
NGC 4998	H III 819	GALXY	CVN	13 08.2	+50 40	15.2	99.9	048	02
NGC 4983	H III 365	GALXY	COM	13 08.4	+28 19	13.9	13.5	109	07
NGC 4986	H III 401	GALXY	CVN	13 08.4	+35 12	13.2	13.6	109	07
NGC 5003	H III 655	GALXY	CVN	13 08.6	+43 44	15.5	99.9	075	07
NGC 4976		GALXY	CEN	13 08.6	-49 30	10.0	13.1	402	21
IC 4191	PK304-4.1	PLNNB	MUS	13 08.6	-67 38	12.0	99.9	451	25
MCG +10-19-040		GALXY	UMA	13 08.7	+62 17	12.0	99.9	026	02
NGC 4981	H II 189	GALXY	VIR	13 08.7	-06 47	11.3	13.0	285	14
NGC 4982		4STAR	VIR	13 08.8	-10 35	99.9	99.9	285	14
NGC 4992		GALXY	VIR	13 09.0	+11 38	13.4	13.1	195	14
NGC 4984	H II 301	GALXY	VIR	13 09.0	-15 31	11.3	13.1	285	14
NGC 4980		GALXY	HYA	13 09.2	-28 39	12.6	12.7	370	21
NGC 4991		GALXY	VIR	13 09.3	+02 21	15.5	99.9	240	14
NGC 5007	H III 848	GALXY	UMA	13 09.3	+62 10	13.3	12.4	026	02
NGC 4990		GALXY	VIR	13 09.4	-05 16	15.0	99.9	240	14
NGC 4989	H II 185	GALXY	VIR	13 09.4	-05 25	14.0	99.9	240	14
NGC 4996		GALXY	VIR	13 09.6	+00 53	12.6	13.5	240	14
NGC 4999	H II 537	GALXY	VIR	13 09.6	+01 40	11.8	13.4	240	14
NGC 5001	UGC 8243	GALXY	UMA	13 09.6	+53 29	14.6	99.9	048	02
NGC 4995	H I 42	GALXY	VIR	13 09.6	-07 50	11.1	12.5	285	14
PK305+ 1.1		PLNNB	CEN	13 09.6	-61 20	99.9	99.9	451	25
NGC 4993	H III 766	GALXY	HYA	13 09.7	-23 24	12.3	12.6	330	21
NGC 5000	H III 366	GALXY	COM	13 09.8	+28 54	13.2	14.0	109	07
NGC 4994	NGC 4993	NONEX	VIR	13 09.8	-22 33	99.9	99.9	330	21
NGC 4988		GALXY	CEN	13 09.8	-43 06	12.8	12.5	402	21
UGC 8246	MCG +06-29-048	GALXY	CVN	13 10.0	+34 11	13.9	14.6	109	07
NGC 4997		GALXY	VIR	13 10.0	-16 30	13.0	99.9	285	14
PK305- 0.1		PLNNB	CEN	13 10.1	-63 11	99.9	99.9	451	25
NGC 5002	UGC 8254	GALXY	CVN	13 10.7	+36 37	13.9	14.3	109	07
NGC 5004B		GALXY	COM	13 10.8	+29 44	15.5	99.9	109	07

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NGC 5009	H III 820	GALXY	CVN	13 10.8	+50 05	14.5	14.1	048	02
NGC 5004C		GALXY	COM	13 11.0	+29 35	15.5	99.9	109	07
NGC 5005	H I 96	GALXY	CVN	13 11.0	+37 03	09.8	12.7	109	07
NGC 5004A	H III 305	GALXY	COM	13 11.1	+29 38	13.7	13.6	109	07
NGC 5008		NONEX	COM	13 11.3	+25 23	99.9	99.9	150	07
NGC 5012	H I 85	GALXY	COM	13 11.6	+22 55	12.2	13.7	150	07
NGC 5014	H II 414	GALXY	CVN	13 11.6	+36 17	12.9	12.7	109	07
NGC 5006		GALXY	VIR	13 11.8	-19 14	12.3	13.5	330	14
NGC 5016	H II 356	GALXY	COM	13 12.1	+24 06	12.8	13.5	150	07
IC 4213	UGC 8280	GALXY	CVN	13 12.1	+35 40	13.3	13.3	109	07
NGC 5021		GALXY	CVN	13 12.1	+46 12	13.4	13.4	076	07
NGC 5013		GALXY	VIR	13 12.2	+03 12	15.0	99.9	240	14
NGC 5023	H II 664	GALXY	CVN	13 12.2	+44 02	12.3	13.9	076	07
NGC 5034	H III 909	GALXY	UMI	13 12.2	+70 39	13.2	12.6	026	02
NGC 5011A		GALXY	CEN	13 12.2	-43 19	13.6	13.8	403	21
NGC 5015	H II 637	GALXY	VIR	13 12.4	-04 19	13.0	99.9	240	14
UGC 8285		GALXY	VIR	13 12.5	+07 11	14.2	13.7	195	14
NGC 5010		GALXY	VIR	13 12.5	-15 47	14.0	99.9	285	14
MCG -03-34-014		GALXY	VIR	13 12.5	-17 31	12.0	99.9	330	14
NGC 5020	H II 129	GALXY	VIR	13 12.6	+12 36	11.7	13.9	195	14
UGC 8290		GALXY	COM	13 12.6	+22 50	13.7	14.1	150	07
NGC 5029		GALXY	CVN	13 12.6	+47 04	13.1	13.8	076	07
Danks 1		OPNCL	CEN	13 12.6	-61 50	99.9	99.9	451	25
NGC 5019	H III 545	GALXY	VIR	13 12.8	+04 44	13.5	12.7	240	14
NGC 5025	H III 649	GALXY	CVN	13 12.8	+31 48	13.4	13.5	109	07
NGC 5011		GALXY	CEN	13 12.8	-43 06	11.4	13.1	403	21
NGC 5024	M 53	GLOCL	COM	13 12.9	+18 10	07.7	99.9	150	14
NGC 5017	H III 669	GALXY	VIR	13 12.9	-16 46	12.6	13.4	285	14
NGC 5018	H II 746	GALXY	VIR	13 12.9	-19 31	10.8	13.0	330	14
Danks 2		OPNCL	CEN	13 13.0	-61 51	99.9	99.9	451	25
UGC 8303	Holmberg VIII	GALXY	CVN	13 13.3	+36 13	13.1	14.6	109	07
NGC 5022		GALXY	VIR	13 13.3	-19 31	12.9	12.6	330	14
NGC 5027		GALXY	VIR	13 13.4	+06 04	13.4	13.6	195	14
NGC 5032B		GALXY	COM	13 13.4	+27 46	15.5	99.9	150	07
NGC 5032A	H III 367	GALXY	COM	13 13.4	+27 48	13.6	99.9	150	07
NGC 5033	H I 97	GALXY	CVN	13 13.5	+36 36	10.2	14.4	109	07
NGC 5040	H II 816	GALXY	CVN	13 13.6	+51 16	15.1	99.9	048	02
NGC 5028		GALXY	VIR	13 13.7	-13 03	14.0	99.9	285	14
UGC 8313		GALXY	CVN	13 13.8	+42 12	14.0	13.6	076	07
NGC 5030		GALXY	VIR	13 13.8	-16 30	14.0	99.9	285	14
NGC 5031		GALXY	VIR	13 14.1	-16 06	14.0	99.9	285	14
NGC 5026		GALXY	CEN	13 14.1	-42 58	11.5	13.4	403	21
UGC 8320	MCG +08-24-093	GALXY	CVN	13 14.4	+45 55	12.4	14.0	076	07
NGC 5041	UGC 8319	GALXY	COM	13 14.6	+30 42	13.4	14.2	109	07
NGC 5036		GALXY	VIR	13 14.7	-04 11	99.9	99.9	240	14
NGC 5035		GALXY	VIR	13 14.7	-16 31	12.8	13.2	285	14
UGC 8323	Mrk 450	GALXY	CVN	13 14.8	+24 53	13.8	13.3	150	07
NGC 5039		GALXY	VIR	13 14.9	-04 10	99.9	99.9	240	14
NGC 5037	H II 510	GALXY	VIR	13 15.0	-16 36	12.2	12.6	285	14

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NGC 5038		GALXY	VIR	13 15.1	-15 56	14.0	99.9	285	14
vdB-Ha 144		OPNCL	CEN	13 15.2	-64 36	99.9	99.9	451	25
NGC 5044	H II 511	GALXY	VIR	13 15.4	-16 24	10.8	13.2	285	14
UGC 8331		GALXY	CVN	13 15.5	+47 30	14.2	15.0	076	07
NGC 5042		GALXY	HYA	13 15.5	-23 59	11.8	14.1	330	21
NGC 5052	UGC 8330	GALXY	COM	13 15.6	+29 39	13.2	13.3	109	07
NGC 5046		GALXY	VIR	13 15.6	-16 20	15.0	99.9	285	14
NGC 5047	H III 670	GALXY	VIR	13 15.7	-16 30	13.0	99.9	285	14
NGC 5050		GALXY	VIR	13 15.8	+02 52	13.7	12.7	240	14
NGC 5055	M 63	GALXY	CVN	13 15.8	+42 02	08.6	13.3	076	07
NGC 5049	H II 512	GALXY	VIR	13 15.9	-16 24	13.0	13.0	285	14
NGC 5048		GALXY	HYA	13 16.1	-28 23	12.7	12.8	370	21
NGC 5056	H III 306	GALXY	COM	13 16.2	+30 56	13.1	13.6	109	07
NGC 5051		GALXY	HYA	13 16.2	-28 16	13.2	12.9	370	21
NGC 5053	H VI 7	GLOCL	COM	13 16.4	+17 42	09.8	99.9	150	14
NGC 5057	H III 307	GALXY	COM	13 16.5	+31 01	13.0	13.5	109	07
NGC 5043		NONEX	CEN	13 16.7	-60 04	99.9	99.9	429	25
NGC 5058	UGC 8345	GALXY	VIR	13 16.8	+12 33	14.6	99.9	195	14
NGC 5054	H II 513	GALXY	VIR	13 16.9	-16 39	10.9	13.7	285	14
NGC 5059		GALXY	VIR	13 17.0	+07 50	15.5	99.9	195	14
NGC 5045		NONEX	CEN	13 17.0	-63 25	99.9	99.9	451	25
IC 875	UGC 8355	GALXY	UMA	13 17.1	+57 32	12.8	13.0	048	02
NGC 5060		GALXY	VIR	13 17.3	+06 02	13.3	13.1	195	14
NGC 5065	H III 308	GALXY	COM	13 17.6	+31 04	13.6	13.4	109	07
NGC 5061	H I 138	GALXY	HYA	13 18.1	-26 52	10.4	12.9	330	21
NGC 5067		2STAR	VIR	13 18.4	-10 08	99.9	99.9	285	14
NGC 5066	NGC 5069	GALXY	VIR	13 18.4	-10 14	14.0	99.9	285	14
NGC 5063		GALXY	CEN	13 18.4	-35 20	12.4	13.8	370	21
NGC 5062		GALXY	CEN	13 18.4	-35 26	12.2	12.6	370	21
NGC 5074	H III 309	GALXY	CVN	13 18.5	+31 28	14.0	13.4	109	07
NGC 5071		GALXY	VIR	13 18.7	+07 56	15.5	99.9	195	14
NGC 5069		NONEX	VIR	13 18.7	-10 12	99.9	99.9	285	14
Harvard 8	Cr 268	OPNCL	MUS	13 18.8	-67 12	09.5	99.9	451	25
NGC 5068	H II 312	GALXY	VIR	13 18.9	-21 03	10.0	14.0	330	21
NGC 5083		GALXY	CVN	13 19.0	+39 36	14.2	14.4	076	07
NGC 5064		GALXY	CEN	13 19.0	-47 55	12.1	13.1	403	21
NGC 5072		GALXY	VIR	13 19.1	-12 32	14.0	99.9	285	14
Stock 16		OPNCL	CEN	13 19.1	-62 34	09.1	99.9	451	25
NGC 5075		GALXY	VIR	13 19.2	+07 49	15.1	99.9	195	14
NGC 5081	UGC 8366	GALXY	COM	13 19.2	+28 30	13.0	13.5	109	07
NGC 5070		GALXY	VIR	13 19.2	-12 29	15.0	99.9	285	14
NGC 5073	H III 282	GALXY	VIR	13 19.3	-14 52	13.0	99.9	285	14
NGC 5090A		GALXY	CEN	13 19.3	-43 40	13.0	12.9	403	21
NGC 5080		GALXY	VIR	13 19.4	+08 25	14.6	99.9	195	14
NGC 5076	H III 117	GALXY	VIR	13 19.4	-12 45	13.0	99.9	285	14
NGC 5077	H II 193	GALXY	VIR	13 19.5	-12 40	11.4	12.5	285	14
NGC 5093	H III 633	GALXY	CVN	13 19.6	+40 23	13.7	13.5	076	07
NGC 5079	H III 118	GALXY	VIR	13 19.6	-12 43	12.0	99.9	285	14
NGC 5089	H II 327	GALXY	COM	13 19.7	+30 15	13.0	13.3	109	07

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NGC 5092		GALXY	COM	13 19.9	+23 00	13.3	13.3	150	07
NGC 5078	H II 566	GALXY	HYA	13 19.9	-27 25	11.0	13.0	330	21
NGC 5096	H III 650	GALXY	CVN	13 20.2	+33 05	15.1	99.9	109	07
NGC 5084	H II 313	GALXY	VIR	13 20.2	-21 50	10.5	13.4	330	21
NGC 5090B		GALXY	CEN	13 20.2	-43 52	13.2	13.6	403	21
NGC 5088		GALXY	VIR	13 20.3	-12 35	12.4	13.0	285	14
NGC 5098		GALXY	CVN	13 20.4	+33 08	15.0	99.9	109	07
NGC 5087	H III 724	GALXY	VIR	13 20.4	-20 37	11.4	12.8	330	21
NGC 5085	H II 780	GALXY	HYA	13 20.4	-24 25	11.3	13.6	330	21
NGC 5103	H II 665	GALXY	CVN	13 20.5	+43 04	12.6	12.8	076	07
NGC 5095		GALXY	VIR	13 20.6	-02 17	13.7	12.8	240	14
Ru 107		OPNCL	MUS	13 20.6	-64 57	09.7	99.9	451	25
UGC 8385		GALXY	VIR	13 20.7	+09 47	13.6	14.6	195	14
NGC 5094	H III 539	GALXY	VIR	13 20.7	-14 05	14.0	99.9	285	14
NGC 5109	H II 826	GALXY	UMA	13 20.9	+57 39	12.8	12.4	048	02
NGC 5097		GALXY	VIR	13 20.9	-12 29	99.9	99.9	285	14
NGC 5082		GALXY	CEN	13 20.9	-43 42	12.8	13.2	403	21
NGC 5100	UGC 8389	GALXY	VIR	13 21.1	+08 58	15.1	99.9	195	14
NGC 5090		GALXY	CEN	13 21.2	-43 44	11.6	13.7	403	21
NGC 5086		GALXY	CEN	13 21.2	-43 46	99.9	99.9	403	21
NGC 5099		GALXY	VIR	13 21.3	-13 04	99.9	99.9	285	14
NGC 5091		GALXY	CEN	13 21.3	-43 40	13.1	12.7	403	21
NGC 5104		GALXY	VIR	13 21.4	+00 20	13.7	12.7	240	14
NGC 5107	H III 619	GALXY	CVN	13 21.4	+38 32	13.2	12.9	109	07
NGC 5113	H III 808	GALXY	UMA	13 21.4	+57 42	15.2	99.9	048	02
NGC 5106	H II 22	1STAR	VIR	13 21.7	+08 29	99.9	99.9	195	14
NGC 5105		GALXY	VIR	13 21.7	-13 13	11.8	12.8	285	14
NGC 5101	H II 567	GALXY	HYA	13 21.8	-27 27	10.6	13.9	330	21
NGC 5112	H II 646	GALXY	CVN	13 21.9	+38 44	12.1	14.6	109	07
NGC 5102		GALXY	CEN	13 21.9	-36 39	09.6	13.0	370	21
NGC 5110	NGC 5111	GALXY	VIR	13 22.5	-13 05	99.9	99.9	285	14
PK306- 0.1	The 2-A	PLNNB	CEN	13 22.5	-63 21	13.4	99.9	451	25
Cr 269		OPNCL	MUS	13 22.6	-66 07	09.2	99.9	451	25
NGC 5111	H III 119	GALXY	VIR	13 22.8	-12 58	13.0	99.9	285	14
NGC 5115		GALXY	VIR	13 22.9	+13 57	13.6	13.4	195	14
NGC 5144	H IV 70	GALXY	UMI	13 22.9	+70 31	13.1	13.0	026	02
NGC 5116	H III 368	GALXY	COM	13 23.0	+26 59	12.7	13.0	150	07
NGC 5117		GALXY	CVN	13 23.0	+28 19	13.2	13.9	109	07
NGC 5123	H II 666	GALXY	CVN	13 23.2	+43 04	12.8	13.1	076	07
NGC 5108		GALXY	CEN	13 23.2	-32 20	14.1	12.9	370	21
NGC 5118	H III 925	GALXY	VIR	13 23.5	+06 23	13.7	13.0	195	14
NGC 5127	H II 328	GALXY	CVN	13 23.8	+31 34	11.9	13.9	109	07
NGC 5125	UGC 8421	GALXY	VIR	13 23.9	+09 42	12.4	13.1	195	14
NGC 5119		GALXY	VIR	13 23.9	-12 17	14.0	99.9	285	14
NGC 5131	UGC 8422	GALXY	CVN	13 24.0	+30 59	13.5	13.0	109	07
NGC 5114		GALXY	CEN	13 24.0	-32 21	12.4	12.9	370	21
NGC 5129	H II 653	GALXY	VIR	13 24.1	+13 59	12.1	13.0	195	14
NGC 5122		GALXY	VIR	13 24.1	-10 39	14.0	99.9	285	14
NGC 5130		GALXY	VIR	13 24.3	-10 13	14.0	99.9	285	14

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NGC 5132		GALXY	VIR	13 24.4	+14 05	12.9	13.1	195	14
NGC 5121		GALXY	CEN	13 24.7	-37 41	11.5	12.5	370	21
NGC 5136	H III 84	GALXY	VIR	13 24.8	+13 44	14.7	99.9	195	14
NGC 5137		GALXY	VIR	13 24.8	+14 04	15.6	99.9	195	14
NGC 5141	H III 402	GALXY	CVN	13 24.8	+36 22	12.8	13.0	109	07
NGC 5124		GALXY	CEN	13 24.8	-30 19	12.1	12.6	370	21
NGC 5133		GALXY	VIR	13 24.9	-04 02	15.0	99.9	240	14
NGC 5126		GALXY	CEN	13 24.9	-30 20	13.1	12.3	370	21
Loden 807		OPNCL	CEN	13 24.9	-62 26	07.9	99.9	451	25
NGC 5142	H III 403	GALXY	CVN	13 25.0	+36 24	13.3	12.6	109	07
NGC 5143		GALXY	CVN	13 25.0	+36 26	15.5	99.9	109	07
NGC 5145	H II 667	GALXY	CVN	13 25.2	+43 15	12.3	13.6	076	07
NGC 5121A		GALXY	CEN	13 25.2	-37 22	15.1	14.7	370	21
NGC 5134	H II 314	GALXY	VIR	13 25.3	-21 07	11.3	12.8	330	21
NGC 5128	Dunlop 482	GALXY	CEN	13 25.3	-43 01	06.8	13.5	403	21
Ced 122		BRTNB	CEN	13 25.4	-64 01	99.9	99.9	451	25
NGC 5135		GALXY	HYA	13 25.7	-29 50	12.1	13.6	370	21
NGC 5120		OPNCL	CEN	13 25.9	-63 25	99.9	99.9	451	25
NGC 5149	H III 404	GALXY	CVN	13 26.1	+35 56	12.9	13.1	109	07
Ru 166		OPNCL	CEN	13 26.1	-63 25	10.8	99.9	451	25
NGC 5140		GALXY	CEN	13 26.2	-33 53	11.8	13.0	370	21
NGC 5147	H II 25	GALXY	VIR	13 26.4	+02 06	11.8	12.9	240	14
NGC 5154	H III 405	GALXY	CVN	13 26.4	+36 00	13.8	14.2	109	07
NGC 5146	H III 115	GALXY	VIR	13 26.5	-12 19	14.0	99.9	285	14
NGC 5151		GALXY	COM	13 26.6	+16 52	14.9	99.9	195	14
NGC 5148		GALXY	VIR	13 26.7	+02 18	14.2	13.7	240	14
Abell 1736		GALCL	HYA	13 26.8	-27 08	14.8	99.9	330	21
NGC 5139	Omega Centauri	GLOCL	CEN	13 26.8	-47 29	03.7	99.9	403	21
NGC 5163	H III 821	GALXY	UMA	13 26.9	+52 45	13.6	13.4	048	02
NGC 5164	H III 784	GALXY	UMA	13 27.2	+55 29	13.7	13.4	048	02
NGC 5138		OPNCL	CEN	13 27.3	-59 01	07.6	99.9	429	25
NGC 5157	H III 651	GALXY	CVN	13 27.4	+32 01	13.3	13.3	109	07
NGC 5158		GALXY	COM	13 27.7	+17 46	12.8	13.1	150	14
NGC 5150		GALXY	HYA	13 27.7	-29 34	12.6	12.7	370	21
NGC 5152		GALXY	HYA	13 27.9	-29 37	12.5	12.6	370	21
NGC 5153		GALXY	HYA	13 28.0	-29 37	11.8	13.0	370	21
NGC 5159		GALXY	VIR	13 28.3	+02 59	14.2	13.5	240	14
NGC 5160		2STAR	VIR	13 28.3	+05 59	99.9	99.9	195	14
NGC 5166A	UGC 8463	GALXY	CVN	13 28.3	+32 01	14.3	99.9	109	07
NGC 5169		GALXY	CVN	13 28.3	+46 40	13.5	14.2	076	07
Basel 18		OPNCL	CEN	13 28.3	-62 22	08.2	99.9	451	25
NGC 5173	H III 672	GALXY	CVN	13 28.5	+46 35	12.1	13.3	076	07
NGC 5165		GALXY	VIR	13 28.6	+11 23	14.6	99.9	195	14
NGC 5167		GALXY	VIR	13 28.6	+12 42	14.7	99.9	195	14
NGC 5166B		GALXY	CVN	13 28.6	+32 03	15.5	99.9	109	07
NGC 5156		GALXY	CEN	13 28.7	-48 55	11.7	13.2	403	21
NGC 5162		GALXY	VIR	13 29.1	+11 16	14.1	12.8	195	14
NGC 5161		GALXY	CEN	13 29.1	-33 10	11.2	13.8	370	21
NGC 5201	H II 797	GALXY	UMA	13 29.2	+53 04	13.1	13.5	048	02

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NGC 5174	H III 45	GALXY	VIR	13 29.3	+11 00	13.7	99.9	195	14
NGC 5175		GALXY	VIR	13 29.3	+11 00	13.7	99.9	195	14
NGC 5171	UGC 8476	GALXY	VIR	13 29.3	+11 44	12.8	12.5	195	14
NGC 5176		GALXY	VIR	13 29.3	+11 47	15.4	99.9	195	14
NGC 5177		GALXY	VIR	13 29.3	+11 48	15.5	99.9	195	14
NGC 5172	UGC 8477	GALXY	COM	13 29.3	+17 03	11.9	13.7	150	14
Hogg 16		OPNCL	CEN	13 29.3	-61 12	08.4	99.9	451	25
NGC 5178		GALXY	VIR	13 29.4	+11 37	13.8	12.9	195	14
NGC 5179		GALXY	VIR	13 29.4	+11 45	14.9	99.9	195	14
NGC 5180	H III 71	GALXY	COM	13 29.4	+16 49	13.0	13.2	195	14
NGC 5204	H IV 63	GALXY	UMA	13 29.5	+58 25	11.3	14.1	048	02
NGC 5181		GALXY	VIR	13 29.6	+13 18	14.7	99.9	195	14
NGC 5155		NONEX	CEN	13 29.6	-63 25	99.9	99.9	451	25
UGC 8489		GALXY	CVN	13 29.7	+45 24	14.9	99.9	076	07
NGC 5170	H V 22	GALXY	VIR	13 29.7	-17 58	11.1	13.3	330	14
Cr 271		OPNCL	CEN	13 29.7	-64 11	08.7	99.9	451	25
NGC 5187	H III 652	GALXY	CVN	13 29.9	+31 07	13.4	13.2	109	07
NGC 5186		GALXY	VIR	13 30.0	+12 10	15.6	99.9	195	14
NGC 5185	H III 642	GALXY	VIR	13 30.0	+13 25	13.3	13.4	195	14
NGC 5194	M 51	GALXY	CVN	13 30.0	+47 11	08.4	12.9	076	07
NGC 5205		GALXY	UMA	13 30.0	+62 30	12.2	13.9	026	02
NGC 5195	H I 186	GALXY	CVN	13 30.1	+47 16	09.6	12.9	076	07
NGC 5183	H II 679	GALXY	VIR	13 30.1	-01 44	12.7	13.0	240	14
NGC 5184	H II 680	GALXY	VIR	13 30.2	-01 41	12.6	13.3	240	14
NGC 5198	H II 689	GALXY	CVN	13 30.3	+46 40	11.8	13.2	076	07
NGC 5190		GALXY	COM	13 30.6	+18 08	13.2	12.8	150	14
NGC 5199	H III 406	GALXY	CVN	13 30.6	+34 49	15.1	99.9	109	07
Cr 272		OPNCL	CEN	13 30.6	-61 16	07.7	99.9	451	25
NGC 5191		GALXY	VIR	13 30.7	+11 12	14.9	99.9	195	14
NGC 5182		GALXY	HYA	13 30.7	-28 08	12.4	13.2	370	21
UGC 8508	MCG +09-22-075	GALXY	UMA	13 30.8	+54 55	13.9	14.3	049	02
NGC 5192		GALXY	VIR	13 30.9	-01 47	14.6	12.6	240	14
UGC 8507		GALXY	COM	13 31.0	+19 27	13.9	99.9	150	14
NGC 5168		OPNCL	CEN	13 31.2	-60 56	09.1	99.9	430	25
NGC 5196		GALXY	VIR	13 31.4	-01 37	14.0	13.1	240	14
NGC 5188		GALXY	CEN	13 31.4	-34 47	12.1	13.3	370	21
NGC 5197		GALXY	VIR	13 31.5	-01 42	15.4	99.9	240	14
NGC 5200		2STAR	VIR	13 31.7	+00 02	99.9	99.9	240	14
NGC 5193		GALXY	CEN	13 31.9	-33 14	11.6	12.8	370	21
NGC 5202		GALXY	VIR	13 32.1	-01 42	14.5	13.2	240	14
NGC 5207	H III 643	GALXY	VIR	13 32.2	+13 54	13.2	13.6	195	14
NGC 5216	H II 841	GALXY	UMA	13 32.2	+62 41	12.6	14.0	026	02
NGC 5203	H III 507	GALXY	VIR	13 32.2	-08 48	14.0	99.9	285	14
Ru 108		OPNCL	CEN	13 32.2	-58 29	07.5	99.9	430	25
Tr 21	Cr 274	OPNCL	CEN	13 32.2	-62 47	07.7	99.9	451	25
NGC 5218	H II 842	GALXY	UMA	13 32.3	+62 45	12.3	13.1	026	02
NGC 5208	H III 9	GALXY	VIR	13 32.5	+07 19	13.1	12.9	195	14
NGC 5212		GALXY	VIR	13 32.6	+07 18	15.5	99.9	195	14
NGC 5209	H III 10	GALXY	VIR	13 32.7	+07 20	13.0	13.3	195	14

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NGC 5214	H III 656	GALXY	CVN	13 32.8	+41 52	13.6	13.5	076	07
NGC 5210	H III 99	GALXY	VIR	13 32.9	+07 10	12.9	13.3	195	14
NGC 5211	UGC 8530	GALXY	VIR	13 33.2	-01 02	12.3	13.4	240	14
NGC 5225	H III 822	GALXY	CVN	13 33.3	+51 30	13.5	12.4	049	02
NGC 5206		GALXY	CEN	13 33.7	-48 09	10.6	13.2	403	21
NGC 5189	PK307-3.1	PLNNB	MUS	13 33.8	-66 00	10.3	99.9	451	25
NGC 5229		GALXY	CVN	13 34.0	+47 54	13.7	14.2	076	07
NGC 5217	UGC 8546	GALXY	COM	13 34.1	+17 51	12.6	13.4	150	14
NGC 5223	H III 407	GALXY	CVN	13 34.3	+34 41	13.0	13.7	109	07
NGC 5228	H III 408	GALXY	CVN	13 34.5	+34 46	13.3	13.1	109	07
Cr 275		OPNCL	CEN	13 34.6	-60 07	10.2	99.9	430	25
NGC 5213	UGC 8552	GALXY	VIR	13 34.7	+04 07	13.7	13.2	240	14
NGC 5238	H III 823	GALXY	CVN	13 34.7	+51 37	13.4	14.2	049	02
NGC 5216A		GALXY	UMA	13 34.8	+61 59	14.0	99.9	026	02
NGC 5222	H III 85	GALXY	VIR	13 34.9	+13 44	14.1	99.9	195	14
NGC 5221	H III 86	GALXY	VIR	13 34.9	+13 49	13.0	13.6	195	14
NGC 5226		GALXY	VIR	13 35.0	+13 54	99.9	99.9	195	14
NGC 5215		GALXY	CEN	13 35.0	-33 30	15.0	99.9	370	21
NGC 5233	H III 425	GALXY	CVN	13 35.1	+34 40	13.9	13.0	109	07
NGC 5224	H III 926	GALXY	VIR	13 35.2	+06 28	15.0	99.9	195	14
NGC 5227	H III 928	GALXY	VIR	13 35.4	+01 24	13.1	14.0	240	14
NGC 5262		GALXY	UMI	13 35.4	+75 02	13.8	13.5	010	02
NGC 5230	H III 87	GALXY	VIR	13 35.5	+13 40	12.1	13.5	195	14
NGC 5231	UGC 8574	GALXY	VIR	13 35.8	+02 59	13.4	13.3	240	14
NGC 5240	H III 409	GALXY	CVN	13 35.9	+35 34	13.1	14.1	109	07
NGC 5220		GALXY	CEN	13 35.9	-33 28	12.2	12.6	370	21
NGC 5250	H II 817	GALXY	UMA	13 36.0	+51 14	13.0	12.7	049	02
NGC 5232		GALXY	VIR	13 36.0	-08 30	13.0	99.9	285	14
NGC 5235	H III 100	GALXY	VIR	13 36.1	+06 34	14.9	99.9	196	14
NGC 5243	H III 620	GALXY	CVN	13 36.2	+38 20	13.1	12.5	109	07
UGC 8597		GALXY	CVN	13 36.3	+46 13	13.8	14.3	076	07
NGC 5234		GALXY	CEN	13 36.4	-49 54	13.0	12.9	403	21
NGC 5239	H III 101	GALXY	BOO	13 36.5	+07 22	12.8	13.9	196	14
NGC 5241		GALXY	VIR	13 36.6	-08 24	15.0	99.9	286	14
IC 4296		GALXY	CEN	13 36.6	-33 58	10.6	13.2	370	21
Pismis 18		OPNCL	CEN	13 36.6	-62 09	09.7	99.9	451	25
NGC 5242		NONEX	VIR	13 37.1	+02 46	99.9	99.9	241	14
NGC 5236	M 83	GALXY	HYA	13 37.1	-29 52	07.5	12.8	370	21
NGC 5219	NGC 5244	NONEX	CEN	13 37.1	-45 54	99.9	99.9	403	21
NGC 5255	H III 803	GALXY	UMA	13 37.3	+57 06	15.3	99.9	049	02
UGC 8614		GALXY	BOO	13 37.4	+07 39	12.7	14.5	196	14
NGC 5248	H I 34	GALXY	BOO	13 37.4	+08 53	10.3	13.8	196	14
NGC 5245		GALXY	VIR	13 37.5	+03 53	99.9	99.9	241	14
NGC 5246		GALXY	VIR	13 37.5	+04 05	13.6	13.3	241	14
NGC 5251	H III 369	GALXY	BOO	13 37.5	+27 25	13.8	12.9	151	07
NGC 5249	H III 72	GALXY	BOO	13 37.6	+15 58	12.9	13.4	196	14
NGC 5237		GALXY	CEN	13 37.6	-42 52	12.5	13.6	403	21
NGC 5247	H II 297	GALXY	VIR	13 38.0	-17 53	10.0	13.4	331	14
NGC 5256	H III 673	GALXY	UMA	13 38.2	+48 16	13.2	13.3	076	07

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NGC 5252	H III 505	GALXY VIR	13 38.3	+04 31	13.0	13.1	241	14
vdB-Ha 150		OPNCL CEN	13 38.4	-63 10	99.9	99.9	451	25
NGC 5295	H III 946	GALXY CAM	13 38.6	+79 27	14.9	99.9	010	02
NGC 5244		GALXY CEN	13 38.6	-45 53	12.5	12.3	403	21
NGC 5259		GALXY CVN	13 39.3	+30 59	15.2	99.9	109	07
NGC 5254		GALXY VIR	13 39.5	-11 29	13.0	99.9	286	14
PK307- 4.1		PLNNB MUS	13 39.5	-67 23	12.9	99.9	451	25
NGC 5257	H II 895	GALXY VIR	13 39.9	+00 50	12.9	13.3	241	14
NGC 5253	H II 638	GALXY CEN	13 39.9	-31 39	10.4	12.8	370	21
NGC 5258	H II 896	GALXY VIR	13 40.0	+00 49	12.9	13.4	241	14
NGC 5263	H III 370	GALXY CVN	13 40.0	+28 24	13.3	12.6	109	07
NGC 5265	H III 410	GALXY CVN	13 40.1	+36 51	14.9	99.9	110	07
NGC 5261		GALXY VIR	13 40.3	+05 03	15.3	99.9	241	14
NGC 5266A		GALXY CEN	13 40.3	-48 21	12.0	14.0	403	21
NGC 5260		GALXY HYA	13 40.4	-23 52	12.9	13.6	331	21
NGC 5267		GALXY CVN	13 40.6	+38 46	13.5	13.0	110	07
PK318+41.1	Abell 36	PLNNB VIR	13 40.6	-19 53	13.0	99.9	331	14
UGC 8658		GALXY UMA	13 40.7	+54 20	12.6	13.7	049	02
vdB-Ha 151		OPNCL CEN	13 40.9	-60 47	99.9	99.9	430	25
NGC 5283		GALXY DRA	13 41.0	+67 39	13.2	13.1	026	02
NGC 5264		GALXY HYA	13 41.5	-29 56	12.0	13.3	371	21
NGC 5271		GALXY CVN	13 41.6	+30 07	14.0	13.3	110	07
NGC 5278	H II 798	GALXY UMA	13 41.6	+55 39	13.6	99.9	049	02
NGC 5279		GALXY UMA	13 41.7	+55 39	15.0	99.9	049	02
NGC 5273	H I 98	GALXY CVN	13 42.1	+35 38	11.6	13.6	110	07
NGC 5268		1STAR VIR	13 42.1	-13 52	99.9	99.9	286	14
NGC 5272	M 3	GLOCL CVN	13 42.2	+28 23	06.4	99.9	110	07
NGC 5270	UGC 8673	GALXY VIR	13 42.3	+04 14	13.5	13.3	241	14
NGC 5275		GALXY CVN	13 42.3	+29 49	14.2	12.7	110	07
NGC 5274		GALXY CVN	13 42.3	+29 50	15.7	99.9	110	07
NGC 5276		GALXY CVN	13 42.4	+35 37	13.8	12.9	110	07
NGC 5277		GALXY CVN	13 42.6	+29 57	14.4	12.9	110	07
PK309+ 0.1		PLNNB CEN	13 42.6	-61 23	99.9	99.9	451	25
NGC 5280		GALXY CVN	13 42.8	+29 51	13.6	13.0	110	07
NGC 5266		GALXY CEN	13 42.9	-48 12	11.1	13.0	403	21
NGC 5282	UGC 8687	GALXY CVN	13 43.3	+30 04	13.2	13.6	110	07
NGC 5285		GALXY VIR	13 44.5	+02 05	13.9	13.2	241	14
UGC 8696	Mrk 273	GALXY UMA	13 44.7	+55 53	14.3	12.8	049	02
NGC 5269		NONEX CEN	13 44.8	-62 55	99.9	99.9	451	25
NGC 5287		GALXY CVN	13 44.9	+29 48	16.0	99.9	110	07
NGC 5289	H II 668	GALXY CVN	13 45.2	+41 30	13.0	13.1	076	07
NGC 5294	H III 785	GALXY UMA	13 45.2	+55 17	15.2	99.9	049	02
NGC 5290	H I 170	GALXY CVN	13 45.4	+41 43	12.5	13.6	076	07
PK307- 9.1		PLNNB MUS	13 45.4	-71 29	99.9	99.9	451	25
NGC 5323	H II 899	GALXY UMI	13 45.5	+76 51	13.5	12.8	010	02
NGC 5296		GALXY CVN	13 46.2	+43 52	14.4	13.6	076	07
NGC 5314		GALXY UMI	13 46.2	+70 21	13.7	99.9	026	02
NGC 5297	H I 180	GALXY CVN	13 46.3	+43 53	11.8	13.8	076	07
NGC 5301	H II 688	GALXY CVN	13 46.4	+46 07	12.7	13.9	076	07

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NGC 5286	Dunlop 388	GLOCL	CEN	13 46.4	-51 22	07.6	99.9	430	25
NGC 5284		NONEX	CEN	13 46.6	-59 11	99.9	99.9	430	25
NGC 5281		OPNCL	CEN	13 46.6	-62 54	05.9	99.9	451	25
NGC 5293	H V 6	GALXY	BOO	13 46.9	+16 17	13.1	14.1	196	14
NGC 5308	H I 255	GALXY	UMA	13 46.9	+60 59	11.4	12.3	049	02
NGC 5291		GALXY	CEN	13 47.3	-30 22	14.1	13.8	371	21
NGC 5292		GALXY	CEN	13 47.6	-30 56	11.9	12.9	371	21
NGC 5303B		GALXY	CVN	13 47.7	+38 15	15.5	99.9	110	07
NGC 5303A	H III 681	GALXY	CVN	13 47.8	+38 19	12.9	99.9	110	07
NGC 5305	H III 621	GALXY	CVN	13 47.9	+37 50	13.6	14.0	110	07
NGC 5298		GALXY	CEN	13 48.2	-30 25	13.1	12.9	371	21
NGC 5300	H II 533	GALXY	VIR	13 48.3	+03 58	11.4	13.8	241	14
UGC 8733		GALXY	CVN	13 48.6	+43 24	13.4	14.6	076	07
NGC 5288		OPNCL	CIR	13 48.7	-64 41	11.8	99.9	452	25
Cr 277		OPNCL	MUS	13 48.7	-66 05	09.2	99.9	452	25
NGC 5302		GALXY	CEN	13 48.8	-30 28	12.1	12.6	371	21
NGC 5311	H II 710	GALXY	CVN	13 49.0	+40 00	12.3	14.1	076	07
NGC 5340		GALXY	UMI	13 49.1	+72 39	15.2	99.9	010	02
NGC 5306	H II 306	GALXY	VIR	13 49.1	-07 12	12.1	12.4	286	14
IC 4329		GALXY	CEN	13 49.1	-30 18	11.3	13.2	371	21
NGC 5322	H I 256	GALXY	UMA	13 49.2	+60 12	10.2	13.6	049	02
ESO 383-G087		GALXY	CEN	13 49.3	-36 04	10.5	13.4	371	21
NGC 5312	H III 422	GALXY	CVN	13 49.8	+33 38	14.8	99.9	110	07
NGC 5313	H II 711	GALXY	CVN	13 49.8	+40 00	12.0	12.7	076	07
NGC 5304		GALXY	CEN	13 49.9	-30 33	12.6	13.0	371	21
NGC 5344		GALXY	UMI	13 50.0	+73 58	15.4	99.9	010	02
NGC 5309		NONEX	VIR	13 50.0	-15 45	99.9	99.9	286	14
NGC 5320	H II 669	GALXY	CVN	13 50.4	+41 23	12.1	13.9	076	07
NGC 5299		ASTER	CEN	13 50.4	-59 56	99.9	99.9	430	25
NGC 5318A	H III 423	GALXY	CVN	13 50.5	+33 43	13.5	99.9	110	07
NGC 5318B		GALXY	CVN	13 50.5	+33 43	99.9	99.9	110	07
NGC 5319		GALXY	CVN	13 50.5	+33 43	15.0	99.9	110	07
NGC 5321		GALXY	CVN	13 50.7	+33 39	15.3	99.9	110	07
NGC 5325B		GALXY	CVN	13 50.8	+38 16	16.0	99.9	110	07
NGC 5326	H II 712	GALXY	CVN	13 50.9	+39 35	11.9	12.7	076	07
NGC 5310		1STAR	VIR	13 51.0	+00 06	99.9	99.9	241	14
NGC 5325A		GALXY	CVN	13 51.0	+38 17	15.1	99.9	110	07
NGC 5307	PK312+10.1	PLNNB	CEN	13 51.1	-51 12	12.1	99.9	430	25
NGC 5317		NONEX	VIR	13 51.2	+05 00	99.9	99.9	241	14
NGC 5342	H III 849	GALXY	UMA	13 51.4	+59 53	13.5	12.5	049	02
NGC 5324	H II 307	GALXY	VIR	13 52.0	-06 02	11.7	13.3	286	14
NGC 5332	UGC 8773	GALXY	BOO	13 52.1	+16 59	12.9	12.6	196	14
NGC 5336	H II 670	GALXY	CVN	13 52.1	+43 15	12.8	13.3	076	07
NGC 5327	H II 685	GALXY	VIR	13 52.1	-02 12	12.6	13.6	241	14
NGC 5329	H III 549	GALXY	VIR	13 52.2	+02 20	12.4	13.0	241	14
NGC 5331	H III 929	GALXY	VIR	13 52.4	+02 06	14.3	99.9	241	14
NGC 5385		NONEX	UMI	13 52.4	+76 11	99.9	99.9	010	02
PK309- 4.1	He2-99	PLNNB	MUS	13 52.4	-66 23	16.1	99.9	452	25
NGC 5337	H III 698	GALXY	CVN	13 52.5	+39 42	12.5	12.7	076	07

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NGC 5341		GALXY	CVN	13 52.6	+37 50	13.2	12.6	110	07
NGC 5328	H III 923	GALXY	HYA	13 52.8	-28 28	11.6	12.5	371	21
NGC 5334	IC 4338	GALXY	VIR	13 52.9	-01 06	11.3	13.9	241	14
NGC 5335		GALXY	VIR	13 53.0	+02 50	12.8	13.9	241	14
NGC 5330		GALXY	HYA	13 53.1	-28 27	13.8	11.6	371	21
NGC 5349	UGC 8803	GALXY	CVN	13 53.2	+37 54	14.1	13.7	110	07
NGC 5346		GALXY	CVN	13 53.2	+39 35	13.8	14.2	076	07
NGC 5347	H II 424	GALXY	CVN	13 53.3	+33 30	12.6	13.4	110	07
NGC 5338	UGC 8800	GALXY	VIR	13 53.5	+05 13	12.4	13.6	241	14
NGC 5351	H II 697	GALXY	CVN	13 53.5	+37 56	12.1	13.6	110	07
NGC 5353	H II 714	GALXY	CVN	13 53.5	+40 18	11.0	11.8	076	07
NGC 5354	H II 715	GALXY	CVN	13 53.5	+40 19	11.4	11.9	076	07
NGC 5350	H II 713	GALXY	CVN	13 53.5	+40 22	11.3	13.3	076	07
NGC 5352	H II 415	GALXY	CVN	13 53.6	+36 09	13.0	13.1	110	07
NGC 5355	H III 699	GALXY	CVN	13 53.8	+40 21	13.1	12.8	076	07
NGC 5339		GALXY	VIR	13 53.8	-07 55	12.0	99.9	286	14
NGC 5316		OPNCL	CEN	13 53.9	-61 52	06	99.9	452	25
NGC 5343	H II 308	GALXY	VIR	13 54.0	-07 34	14.0	99.9	286	14
NGC 5358		GALXY	CVN	13 54.1	+40 17	13.6	12.3	076	07
NGC 5370	H II 843	GALXY	UMA	13 54.1	+60 41	13.1	13.3	049	02
NGC 5452	H III 947	GALXY	UMI	13 54.2	+78 14	13.3	14.3	010	02
NGC 5348		GALXY	VIR	13 54.3	+05 14	13.1	13.6	241	14
NGC 5345	H II 686	GALXY	VIR	13 54.3	-01 25	12.4	13.2	241	14
NGC 5368	H III 786	GALXY	UMA	13 54.5	+54 21	13.0	12.4	049	02
NGC 5333		UVSOB	CEN	13 54.5	-48 30	99.9	99.9	403	21
NGC 5361	H III 682	GALXY	CVN	13 54.7	+38 27	13.8	12.6	110	07
NGC 5372	H III 809	GALXY	UMA	13 54.7	+58 41	13.2	11.5	049	02
NGC 5315	PK309-4.2	PLNNB	CIR	13 54.7	-66 32	13.0	99.9	452	25
NGC 5362	H II 671	GALXY	CVN	13 54.8	+41 20	12.3	13.1	076	07
UGC 8837	Holmberg IV	GALXY	UMA	13 54.8	+53 54	13.4	15.1	049	02
NGC 5356	H III 506	GALXY	VIR	13 55.1	+05 21	12.6	13.5	241	14
NGC 5376	H I 238	GALXY	UMA	13 55.2	+59 31	12.1	13.1	049	02
UGC 8839		GALXY	BOO	13 55.4	+17 47	13.1	15.5	151	14
NGC 5379	H I 239	GALXY	UMA	13 55.5	+59 45	12.9	13.5	049	02
NGC 5360		GALXY	VIR	13 55.7	+05 00	13.3	13.8	241	14
NGC 5371	NGC 5390,H II 716	GALXY	CVN	13 55.7	+40 28	10.6	13.4	076	07
NGC 5357		GALXY	CEN	13 55.9	-30 20	12.0	12.8	371	21
NGC 5389	H I 240	GALXY	UMA	13 56.1	+59 45	12.0	13.1	049	02
NGC 5363	H I 6	GALXY	VIR	13 56.2	+05 16	10.1	12.5	241	14
NGC 5364	H II 534	GALXY	VIR	13 56.3	+05 02	10.5	14.1	241	14
NGC 5377	H I 187	GALXY	CVN	13 56.3	+47 15	11.3	13.4	076	07
NGC 5365A		GALXY	CEN	13 56.3	-43 59	12.8	12.9	403	21
NGC 5366		GALXY	VIR	13 56.4	-00 14	13.7	12.6	241	14
NGC 5375		GALXY	CVN	13 56.7	+29 11	11.5	13.7	110	07
NGC 5369	H III 285	GALXY	VIR	13 56.8	-05 29	99.9	99.9	241	14
NGC 5378		GALXY	CVN	13 56.9	+37 49	12.5	14.2	110	07
NGC 5380	H II 698	GALXY	CVN	13 57.0	+37 37	12.3	13.3	110	07
NGC 5383	H I 181	GALXY	CVN	13 57.0	+41 52	11.4	13.6	076	07
NGC 5391		GALXY	CVN	13 57.0	+46 17	16.0	99.9	076	07

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NGC 5415		GALXY	UMI	13 57.0	+70 46	15.0	99.9	027	02
NGC 5373		GALXY	VIR	13 57.2	+05 16	15.3	99.9	241	14
NGC 5390		NONEX	CVN	13 57.3	+40 26	99.9	99.9	076	07
NGC 5412	UGC 8905	GALXY	UMI	13 57.4	+73 36	13.4	13.5	010	02
vdB-Ha 155		OPNCL	CEN	13 57.5	-59 35	99.9	99.9	430	25
NGC 5374	H II 889	GALXY	VIR	13 57.6	+06 06	12.5	13.3	196	14
Be 146		DRKNB	CEN	13 57.6	-40 00	79.9	79.9	403	21
NGC 5367		BRTNB	CEN	13 57.7	-39 58	99.9	99.9	403	21
NGC 5365		GALXY	CEN	13 57.8	-43 56	11.4	13.1	403	21
NGC 5413		GALXY	DRA	13 57.9	+64 56	13.2	13.3	027	02
IC 4351		GALXY	HYA	13 57.9	-29 19	11.7	13.4	371	21
NGC 5384		GALXY	VIR	13 58.1	+06 32	13.1	13.1	196	14
NGC 5382	H III 546	GALXY	VIR	13 58.2	+06 16	12.6	13.0	196	14
NGC 5402	H III 810	GALXY	UMA	13 58.2	+59 49	13.7	12.6	049	02
PK311+ 2.1	He2-102	PLNNB	CEN	13 58.2	-58 55	14.2	99.9	430	25
NGC 5386	H III 547	GALXY	VIR	13 58.3	+06 21	13.2	12.1	196	14
NGC 5365B		GALXY	CEN	13 58.4	-43 58	13.2	12.4	403	21
NGC 5387		GALXY	VIR	13 58.5	+06 05	13.9	13.1	196	14
NGC 5394	H I 191	GALXY	CVN	13 58.6	+37 28	13.0	13.4	110	07
NGC 5395	H I 190	GALXY	CVN	13 58.7	+37 26	11.4	12.9	110	07
NGC 5388		NONEX	VIR	13 58.9	-14 09	99.9	99.9	286	14
NGC 5396	H III 125	NONEX	CVN	13 59.0	+29 07	99.9	99.9	110	07
NGC 5392	H III 666	GALXY	VIR	13 59.4	-03 12	13.4	13.3	241	14
NGC 5399	H III 411	GALXY	CVN	13 59.5	+34 47	13.8	12.6	110	07
NGC 5401	H III 412	GALXY	CVN	13 59.7	+36 15	13.7	12.8	110	07
NGC 5359		OPNCL	CIR	13 59.8	-70 24	99.9	99.9	452	25
NGC 5403	H III 683	GALXY	CVN	13 59.9	+38 11	13.6	14.5	110	07
NGC 5403A		GALXY	CVN	14 00.0	+38 13	15.0	99.9	110	07
NGC 5406	H II 699	GALXY	CVN	14 00.4	+38 55	12.3	13.3	110	07
NGC 5393		GALXY	HYA	14 00.5	-28 50	13.1	12.4	371	21
NGC 5400	H III 667	GALXY	VIR	14 00.6	-02 51	12.9	13.2	241	14
NGC 5381		OPNCL	CEN	14 00.6	-59 34	12.0	99.9	430	25
NGC 5410	H II 672	GALXY	CVN	14 00.7	+41 00	13.0	13.1	077	07
NGC 5422	H I 230	GALXY	UMA	14 00.7	+55 10	11.8	12.8	049	02
NGC 5430	H II 827	GALXY	UMA	14 00.7	+59 20	11.9	12.8	049	02
NGC 5425		GALXY	UMA	14 00.8	+48 27	13.6	13.5	077	07
NGC 5407	H III 684	GALXY	CVN	14 00.9	+39 09	13.1	13.4	077	07
Lynga 1		OPNCL	CEN	14 01.0	-60 17	99.9	99.9	430	25
NGC 5404		2STAR	VIR	14 01.1	+00 05	99.9	99.9	241	14
NGC 5405		GALXY	BOO	14 01.1	+07 43	13.4	12.8	196	14
NGC 5398		GALXY	CEN	14 01.2	-33 04	12.3	13.8	371	21
NGC 5397		GALXY	CEN	14 01.2	-33 57	12.7	13.0	371	21
NGC 5409		GALXY	BOO	14 01.7	+09 30	13.3	13.8	196	14
NGC 5421	UGC 8941,Arp 111	GALXY	CVN	14 01.7	+33 50	14.3	99.9	110	07
NGC 5421B		GALXY	CVN	14 01.7	+33 50	17.0	99.9	110	07
NGC 5411	UGC 8940	GALXY	BOO	14 01.9	+08 57	13.3	13.3	196	14
NGC 5414	UGC 8942	GALXY	BOO	14 02.0	+09 57	13.8	99.9	196	14
NGC 5439		GALXY	CVN	14 02.0	+46 19	14.6	99.9	077	07
NGC 5417	H III 11	GALXY	BOO	14 02.1	+08 03	13.0	12.7	196	14

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NGC 5416	H III 56	GALXY	BOO	14 02.1	+09 27	13.3	13.3	196	14
NGC 5418	UGC 8944	GALXY	BOO	14 02.2	+07 42	13.4	12.7	196	14
NGC 5443	H II 799	GALXY	UMA	14 02.2	+55 49	12.3	13.2	049	02
NGC 5433	H III 653	GALXY	CVN	14 02.5	+32 31	13.6	12.9	110	07
NGC 5450		GX+DN	UMA	14 02.5	+54 14	99.9	99.9	049	02
NGC 5447	H III 787	GX+DN	UMA	14 02.5	+54 17	99.9	99.9	049	02
NGC 5449		GX+DN	UMA	14 02.5	+54 19	99.9	99.9	049	02
NGC 5423	UGC 8952	GALXY	BOO	14 02.7	+09 21	12.8	13.1	196	14
NGC 5451		GX+DN	UMA	14 02.7	+54 22	99.9	99.9	049	02
NGC 5469		GALXY	BOO	14 02.8	+09 20	15.5	99.9	196	14
NGC 5448	H II 691	GALXY	UMA	14 02.8	+49 10	11.0	13.0	077	07
NGC 5424		GALXY	BOO	14 02.9	+09 26	13.1	13.7	196	14
NGC 5431		GALXY	BOO	14 03.0	+09 23	13.8	12.7	196	14
NGC 5440	H II 416	GALXY	CVN	14 03.0	+34 46	12.3	13.6	110	07
NGC 5455		GX+DN	UMA	14 03.0	+54 12	99.9	99.9	049	02
NGC 5453		GX+DN	UMA	14 03.0	+54 18	99.9	99.9	049	02
NGC 5441		GALXY	CVN	14 03.2	+34 41	15.5	99.9	110	07
NGC 5458		NONEX	UMA	14 03.2	+54 16	99.9	99.9	049	02
NGC 5434A	UGC 8965	GALXY	BOO	14 03.3	+09 27	14.3	99.9	196	14
NGC 5457	M 101	GALXY	UMA	14 03.3	+54 22	07.9	14.9	049	02
NGC 5408	PK317+19.1	PLNNB	CEN	14 03.3	-41 23	99.9	99.9	404	21
NGC 5434B	UGC 8967	GALXY	BOO	14 03.4	+09 29	14.7	99.9	196	14
NGC 5444	H II 417	GALXY	CVN	14 03.4	+35 08	11.9	13.6	110	07
NGC 5427	H II 310	GALXY	VIR	14 03.4	-06 01	11.4	13.3	286	14
NGC 5428		2STAR	VIR	14 03.4	-06 02	99.9	99.9	286	14
NGC 5429		2STAR	VIR	14 03.4	-06 02	99.9	99.9	286	14
NGC 5426	H II 309	GALXY	VIR	14 03.4	-06 03	12.1	13.6	286	14
NGC 5445	H III 413	GALXY	CVN	14 03.5	+35 02	13.0	12.9	110	07
NGC 5436	UGC 8971	GALXY	BOO	14 03.6	+09 35	13.9	12.9	196	14
NGC 5432		2STAR	VIR	14 03.6	-05 57	99.9	99.9	286	14
NGC 5437		GALXY	BOO	14 03.7	+09 31	15.1	99.9	196	14
NGC 5438		GALXY	BOO	14 03.7	+09 37	14.7	99.9	196	14
NGC 5461	H III 788	GX+DN	UMA	14 03.7	+54 19	99.9	99.9	049	02
NGC 5419		GALXY	CEN	14 03.7	-33 58	10.9	13.7	371	21
NGC 5435		2STAR	VIR	14 03.8	-05 54	99.9	99.9	286	14
NGC 5462	H III 789	GX+DN	UMA	14 03.9	+54 22	99.9	99.9	049	02
NGC 5420		GALXY	VIR	14 04.0	-14 37	13.0	99.9	286	14
IC 972	PK326+42.1	PLNNB	VIR	14 04.4	-17 15	14.9	99.9	331	14
NGC 5471		GX+DN	UMA	14 04.6	+54 24	99.9	99.9	049	02
NGC 5454		GALXY	BOO	14 04.7	+14 23	12.7	13.6	196	14
NGC 5473	H I 231	GALXY	UMA	14 04.8	+54 54	11.4	12.8	049	02
UGC 8995		GALXY	BOO	14 04.9	+08 49	13.4	14.2	196	14
NGC 5456		GALXY	BOO	14 04.9	+11 53	12.9	12.9	196	14
NGC 5459		GALXY	BOO	14 04.9	+13 08	13.1	13.1	196	14
NGC 5442		GALXY	VIR	14 04.9	-09 43	14.5	99.9	286	14
NGC 5446	H III 57	GALXY	BOO	14 05.1	+09 37	99.9	99.9	196	14
NGC 5474	H I 214	GALXY	UMA	14 05.1	+53 40	10.8	13.9	049	02
NGC 5475	H II 800	GALXY	UMA	14 05.3	+55 45	12.6	12.5	049	02
NGC 5466	H VI 9	GLOCL	BOO	14 05.5	+28 32	09.1	99.9	110	07

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PK310- 2.1	He2-103	PLNNB	CIR	14 05.5	-64 41	13.9	99.9	452	25
NGC 5477	H III 790	GALXY	UMA	14 05.6	+54 28	14.0	14.7	049	02
NGC 5479		GALXY	UMI	14 05.9	+65 41	15.2	99.9	027	02
NGC 5463A		GALXY	BOO	14 06.1	+09 22	14.0	99.9	196	14
NGC 5463B	H III 58	GALXY	BOO	14 06.1	+09 22	14.1	99.9	196	14
NGC 5480	H II 692	GALXY	UMA	14 06.3	+50 44	12.1	12.7	049	02
NGC 5465		1STAR	VIR	14 06.4	-05 31	99.9	99.9	286	14
Ru 110		OPNCL	CIR	14 06.4	-67 34	99.9	99.9	452	25
NGC 5470		GALXY	VIR	14 06.5	+06 02	13.4	13.2	196	14
NGC 5467		1STAR	VIR	14 06.5	-05 29	99.9	99.9	241	14
NGC 5481	H II 693	GALXY	UMA	14 06.6	+50 44	12.3	13.3	049	02
NGC 5468	H III 286	GALXY	VIR	14 06.6	-05 28	12.5	14.4	241	14
NGC 5484	H III 791	GALXY	UMA	14 06.9	+55 02	14.7	99.9	049	02
NGC 5472		GALXY	VIR	14 06.9	-05 28	15.0	99.9	241	14
NGC 5464		GALXY	HYA	14 07.0	-30 00	13.0	12.9	371	21
NGC 5485	H I 232	GALXY	UMA	14 07.2	+55 00	11.4	12.9	049	02
NGC 5486	H II 801	GALXY	UMA	14 07.5	+55 06	13.3	14.0	049	02
NGC 5460		OPNCL	CEN	14 07.6	-48 19	05.6	99.9	404	21
NGC 5488	IC 4375	GALXY	CEN	14 08.0	-33 18	11.9	13.1	371	21
NGC 5478	H III 762	GALXY	VIR	14 08.2	-01 42	13.6	13.2	242	14
NGC 5476	H III 287	GALXY	VIR	14 08.2	-06 05	14.0	99.9	287	14
NGC 5482	H III 59	GALXY	BOO	14 08.4	+08 56	12.9	12.9	197	14
NGC 5503		GALXY	UMA	14 09.4	+60 25	16.0	99.9	049	02
NGC 5502		NONEX	UMA	14 09.6	+60 26	99.9	99.9	049	02
NGC 5487		GALXY	BOO	14 09.7	+08 05	14.6	99.9	197	14
NGC 5547	H III 948	GALXY	UMI	14 09.8	+78 36	14.5	99.9	010	02
NGC 5490A		GALXY	BOO	14 09.9	+17 35	99.9	99.9	152	14
NGC 5490	H III 32	GALXY	BOO	14 10.0	+17 33	12.1	13.8	152	14
NGC 5490B		GALXY	BOO	14 10.0	+17 33	99.9	99.9	152	14
NGC 5490C		GALXY	BOO	14 10.1	+17 37	13.9	13.6	152	14
NGC 5500	H III 674	GALXY	BOO	14 10.2	+48 33	13.3	13.1	077	07
UGC 9057		GALXY	VIR	14 10.2	-02 34	12.9	14.0	242	14
NGC 5497		GALXY	BOO	14 10.4	+38 53	14.1	13.7	110	07
NGC 5483		GALXY	CEN	14 10.5	-43 19	11.2	13.8	404	21
NGC 5492	H II 876	GALXY	BOO	14 10.6	+19 37	12.8	13.2	152	14
NGC 5491A	H II 890	GALXY	VIR	14 10.9	+06 22	13.9	99.9	197	14
NGC 5491B		GALXY	VIR	14 10.9	+06 23	99.9	99.9	197	14
NGC 5499		GALXY	BOO	14 10.9	+35 54	13.5	12.7	110	07
NGC 5498		GALXY	BOO	14 11.0	+25 42	13.6	13.3	152	07
NGC 5493	H IV 46	GALXY	VIR	14 11.5	-05 03	11.4	12.1	242	14
NGC 5496		GALXY	VIR	14 11.7	-01 09	12.1	13.5	242	14
NGC 5489		GALXY	CEN	14 12.0	-46 05	12.2	12.5	404	21
NGC 5504B		GALXY	BOO	14 12.2	+15 51	15.5	99.9	197	14
NGC 5504A	UGC 9085	GALXY	BOO	14 12.3	+15 50	13.9	99.9	197	14
NGC 5504C		GALXY	BOO	14 12.3	+15 52	15.5	99.9	197	14
NGC 5509		GALXY	BOO	14 12.3	+24 39	99.9	99.9	152	07
NGC 5520	H III 676	GALXY	BOO	14 12.3	+50 22	12.4	13.1	049	02
NGC 5501		GALXY	VIR	14 12.4	+01 16	13.5	13.2	242	14
NGC 5508	H I 255	GALXY	BOO	14 12.4	+24 39	13.1	14.1	152	07

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NGC 5495		GALXY	HYA	14 12.4	-27 07	12.8	13.2	332	21
NGC 5494		GALXY	CEN	14 12.4	-30 40	11.9	13.3	371	21
NGC 5505		GALXY	BOO	14 12.5	+13 18	13.2	12.8	197	14
NGC 5515	H III 685	GALXY	BOO	14 12.5	+39 18	12.9	12.6	077	07
NGC 5512		GALXY	BOO	14 12.6	+30 51	14.2	99.9	110	07
NGC 5511B		GALXY	BOO	14 13.0	+08 38	15.5	99.9	197	14
NGC 5517		GALXY	BOO	14 13.0	+35 42	13.8	13.4	110	07
NGC 5511A		GALXY	BOO	14 13.1	+08 37	15.0	99.9	197	14
NGC 5513	H II 877	GALXY	BOO	14 13.2	+20 26	12.6	13.3	152	07
ESO 097-G013	Circinus Dwarf	GALXY	CIR	14 13.2	-65 20	10.6	13.8	452	25
NGC 5506	H II 687	GALXY	VIR	14 13.3	-03 12	11.9	12.7	242	14
NGC 5507	H IV 49	GALXY	VIR	14 13.4	-03 09	12.5	12.8	242	14
NGC 5514		GALXY	BOO	14 13.6	+07 40	12.7	13.6	197	14
NGC 5510		GALXY	VIR	14 13.6	-17 59	14.0	99.9	332	14
NGC 5518	H III 423	GALXY	BOO	14 13.9	+20 51	15.0	99.9	152	07
NGC 5526	H III 804	GALXY	UMA	14 13.9	+57 46	14.2	99.9	049	02
NGC 5519		GALXY	BOO	14 14.3	+07 31	13.1	13.4	197	14
NGC 5524		GALXY	BOO	14 14.5	+36 24	15.3	99.9	110	07
NGC 5522	H III 644	GALXY	BOO	14 14.8	+15 09	13.5	13.0	197	14
NGC 5523	H III 134	GALXY	BOO	14 14.8	+25 19	12.1	13.8	152	07
NGC 5540	H III 805	GALXY	UMA	14 14.8	+60 00	14.9	99.9	049	02
NGC 5527		GALXY	BOO	14 15.4	+36 11	16.0	99.9	110	07
NGC 5521		GALXY	VIR	14 15.5	+04 24	13.7	12.3	242	14
PK308-12.1	He2-105	PLNNB	APS	14 15.5	-74 13	12.0	99.9	467	25
NGC 5525	UGC 9124	GALXY	BOO	14 15.6	+14 17	12.8	13.0	197	14
NGC 5529	H III 414	GALXY	BOO	14 15.7	+36 13	11.9	13.5	110	07
NGC 5516		GALXY	CEN	14 15.8	-48 07	12.0	12.7	404	21
NGC 5528		GALXY	BOO	14 16.2	+08 17	14.8	99.9	197	14
NGC 5533	H II 418	GALXY	BOO	14 16.2	+35 20	11.8	13.6	110	07
NGC 5536	H III 731	GALXY	BOO	14 16.3	+39 30	13.5	13.1	077	07
NGC 5541	H III 732	GALXY	BOO	14 16.4	+39 35	12.8	11.8	077	07
NGC 5531		GALXY	BOO	14 16.7	+10 53	14.7	99.9	197	14
NGC 5532A	H III 47	GALXY	BOO	14 16.8	+10 48	13.3	99.9	197	14
NGC 5532B		GALXY	BOO	14 16.8	+10 48	16.0	99.9	197	14
NGC 5544	H II 419	GALXY	BOO	14 16.9	+36 34	13.2	99.9	110	07
NGC 5545		GALXY	BOO	14 17.0	+36 34	14.0	99.9	110	07
NGC 5561		GALXY	UMA	14 17.4	+58 44	14.9	13.9	049	02
NGC 5537		GALXY	VIR	14 17.5	+07 03	15.1	99.9	197	14
NGC 5538		GALXY	BOO	14 17.6	+07 29	15.4	99.9	197	14
NGC 5535		GALXY	BOO	14 17.6	+08 11	15.4	99.9	197	14
NGC 5539		GALXY	BOO	14 17.6	+08 11	15.5	99.9	197	14
NGC 5534		GALXY	VIR	14 17.6	-07 25	12.3	12.4	287	14
NGC 5542		GALXY	BOO	14 17.8	+07 33	15.0	99.9	197	14
NGC 5548	H II 194	GALXY	BOO	14 17.9	+25 08	12.6	13.1	152	07
NGC 5543		GALXY	BOO	14 18.0	+07 39	15.3	99.9	197	14
NGC 5546	H III 551	GALXY	BOO	14 18.1	+07 34	12.3	12.6	197	14
PK316+ 8.1	He2-108	PLNNB	CEN	14 18.2	-52 11	10.1	99.9	430	25
Ru 167		OPNCL	CEN	14 18.2	-58 58	99.9	99.9	430	25
NGC 5557	H I 99	GALXY	BOO	14 18.3	+36 29	11.0	12.6	110	07

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NGC 5550		GALXY	BOO	14 18.4	+12 52	13.1	12.8	197	14
NGC 5553		GALXY	BOO	14 18.4	+26 17	14.1	12.8	152	07
NGC 5549	H III 552	GALXY	VIR	14 18.5	+07 22	12.9	13.0	197	14
NGC 5530		GALXY	LUP	14 18.6	-43 23	11.1	13.2	404	21
PK312- 1.1	He2-107	PLNNB	CEN	14 18.7	-63 07	16.0	99.9	452	25
NGC 5551		GALXY	VIR	14 18.9	+05 26	15.1	99.9	242	14
NGC 5552		GALXY	VIR	14 18.9	+07 02	15.2	99.9	197	14
NGC 5555		GALXY	VIR	14 19.0	-19 08	15.0	99.9	332	14
NGC 5559	H III 347	GALXY	BOO	14 19.1	+24 48	14.0	13.3	152	07
NGC 5554		GALXY	VIR	14 19.2	+07 01	15.2	99.9	197	14
NGC 5567		GALXY	BOO	14 19.3	+35 08	15.0	99.9	110	07
NGC 5607	H II 331	GALXY	UMI	14 19.3	+71 36	13.4	12.9	027	02
NGC 5570	H III 12	GALXY	BOO	14 19.4	+07 26	99.9	99.9	197	14
NGC 5568		GALXY	BOO	14 19.4	+35 05	15.7	99.9	110	07
NGC 5572		GALXY	BOO	14 19.5	+36 08	14.2	13.6	110	07
NGC 5571		NONEX	BOO	14 19.6	+35 09	99.9	99.9	110	07
NGC 5558		NONEX	VIR	14 19.7	+07 02	99.9	99.9	197	14
UGC 9169		GALXY	BOO	14 19.8	+09 22	13.0	14.3	197	14
NGC 5585	H I 235	GALXY	UMA	14 19.8	+56 44	10.7	13.9	049	02
NGC 5563		GALXY	VIR	14 20.1	+07 03	15.3	99.9	197	14
NGC 5562		GALXY	BOO	14 20.1	+10 15	13.5	12.6	197	14
NGC 5560	H II 579	GALXY	VIR	14 20.2	+03 59	12.4	13.2	242	14
NGC 5565		NONEX	VIR	14 20.2	+07 00	99.9	99.9	197	14
NGC 5564		NONEX	VIR	14 20.2	+07 01	99.9	99.9	197	14
NGC 5566	H I 144	GALXY	VIR	14 20.4	+03 56	10.6	13.3	242	14
NGC 5579	H III 415,Arp 69	GALXY	BOO	14 20.5	+35 11	13.6	14.5	111	07
NGC 5580		GALXY	BOO	14 20.5	+35 11	14.5	99.9	111	07
NGC 5556		GALXY	HYA	14 20.5	-29 15	11.8	14.4	372	21
NGC 5569		GALXY	VIR	14 20.6	+03 59	13.2	14.0	242	14
NGC 5573		GALXY	VIR	14 20.6	+06 54	15.0	99.9	197	14
NGC 5582	H II 754	GALXY	BOO	14 20.7	+39 42	11.6	13.3	077	07
NGC 5640	H III 949	GALXY	CAM	14 20.8	+80 06	15.4	99.9	010	02
PK315+ 5.1	He2-109	PLNNB	CEN	14 20.8	-55 28	13.6	99.9	430	25
NGC 5575		GALXY	VIR	14 20.9	+06 12	13.3	12.9	197	14
NGC 5574	H I 145	GALXY	VIR	14 21.0	+03 14	12.4	12.7	242	14
NGC 5576	H I 146	GALXY	VIR	14 21.1	+03 16	11.0	13.2	242	14
NGC 5581		GALXY	BOO	14 21.1	+23 29	15.1	99.9	152	07
NGC 5578		NONEX	VIR	14 21.2	+06 12	99.9	99.9	197	14
NGC 5577		GALXY	VIR	14 21.3	+03 26	12.3	13.4	242	14
NGC 5588		2STAR	BOO	14 21.5	+35 07	99.9	99.9	111	07
NGC 5589	H III 416	GALXY	BOO	14 21.5	+35 15	13.3	13.3	111	07
NGC 5583	UGC 9196	GALXY	BOO	14 21.7	+13 13	13.4	12.4	197	14
NGC 5590	H III 417	GALXY	BOO	14 21.7	+35 11	12.3	13.5	111	07
NGC 5586		NONEX	BOO	14 22.1	+13 10	99.9	99.9	197	14
NGC 5587	H III 110	GALXY	BOO	14 22.2	+13 55	12.5	13.2	197	14
NGC 5602	H II 694	GALXY	BOO	14 22.3	+50 31	12.7	12.6	049	02
NGC 5596	H III 418	GALXY	BOO	14 22.4	+37 06	13.4	13.1	111	07
NGC 5584		GALXY	VIR	14 22.4	-00 24	11.4	13.5	242	14
IC 4406	PK319+15.1	PLNNB	LUP	14 22.4	-44 09	11.0	99.9	404	21

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NGC 5598	H III 733	GALXY	BOO	14 22.5	+40 19	13.0	13.4	077	07
NGC 5620	H III 319	GALXY	UMI	14 22.5	+69 34	15.0	99.9	027	02
NGC 5591	UGC 9207	GALXY	BOO	14 22.6	+13 43	14.5	99.9	197	14
NGC 5601		GALXY	BOO	14 22.9	+40 18	15.6	99.9	077	07
NGC 5603B		GALXY	BOO	14 23.0	+40 21	15.0	99.9	077	07
NGC 5603A	H III 734	GALXY	BOO	14 23.1	+40 22	14.0	99.9	077	07
NGC 5594	IC 4412	GALXY	BOO	14 23.2	+26 15	15.0	99.9	152	07
NGC 5608	H II 673	GALXY	BOO	14 23.3	+41 46	13.4	14.6	077	07
NGC 5599	H III 927	GALXY	VIR	14 23.7	+06 34	13.6	13.1	197	14
NGC 5600	H II 177	GALXY	BOO	14 23.8	+14 38	12.1	12.7	197	14
NGC 5609		GALXY	BOO	14 23.9	+34 50	99.9	99.9	111	07
NGC 5592	H III 924	GALXY	HYA	14 23.9	-28 41	12.8	12.8	372	21
Lynga 2		OPNCL	CEN	14 24.0	-61 24	06.4	99.9	452	25
NGC 5611	UGC 9227	GALXY	BOO	14 24.2	+33 01	12.6	12.3	111	07
NGC 5614	H II 420	GALXY	BOO	14 24.2	+34 51	11.7	13.3	111	07
NGC 5615		GALXY	BOO	14 24.2	+34 52	15.0	99.9	111	07
NGC 5613		GALXY	BOO	14 24.2	+34 53	16.0	99.9	111	07
NGC 5616	H III 419	GALXY	BOO	14 24.2	+36 26	13.8	13.6	111	07
NGC 5610	H III 136	GALXY	BOO	14 24.3	+24 36	13.2	13.4	152	07
NGC 5595	H III 121	GALXY	LIB	14 24.3	-16 44	12.0	13.0	287	14
NGC 5597	H III 122	GALXY	LIB	14 24.5	-16 47	12.0	13.2	287	14
UGC 9240		GALXY	BOO	14 24.7	+44 30	12.9	14.1	077	07
NGC 5604	H III 668	GALXY	VIR	14 24.7	-03 13	12.8	13.3	242	14
NGC 5605	H III 120	GALXY	LIB	14 25.0	-13 11	12.3	13.0	287	14
UGC 9242	MCG +07-30-011	GALXY	BOO	14 25.3	+39 32	13.5	13.8	077	07
NGC 5593		OPNCL	LUP	14 25.8	-54 49	99.9	99.9	430	25
NGC 5622	H III 677	GALXY	BOO	14 26.2	+48 33	13.2	13.6	077	07
NGC 5624		GALXY	BOO	14 26.6	+51 36	13.1	12.8	049	02
NGC 5631	H I 236	GALXY	UMA	14 26.6	+56 34	11.5	12.5	049	02
UGC 9249		GALXY	BOO	14 27.0	+08 41	14.1	13.4	197	14
NGC 5625		GALXY	BOO	14 27.0	+39 57	14.8	99.9	077	07
NGC 5623	H II 329	GALXY	BOO	14 27.2	+33 14	12.5	13.1	111	07
NGC 5618	H III 763	GALXY	VIR	14 27.2	-02 17	13.4	13.9	242	14
NGC 5619A		GALXY	VIR	14 27.4	+04 47	14.0	99.9	242	14
NGC 5633	H I 185	GALXY	BOO	14 27.4	+46 08	12.4	13.3	077	07
NGC 5619B		GALXY	VIR	14 27.6	+04 46	15.5	99.9	242	14
NGC 5630	H II 674	GALXY	BOO	14 27.6	+41 15	13.1	13.4	077	07
NGC 5671	H III 882	GALXY	UMI	14 27.7	+69 42	13.3	13.9	027	02
NGC 5621	H III 14	NONEX	BOO	14 27.8	+08 15	99.9	99.9	197	14
NGC 5606		OPNCL	CEN	14 27.8	-59 38	07.7	99.9	430	25
IC 1014	UGC 9275	GALXY	BOO	14 28.3	+13 47	12.5	14.2	197	14
NGC 5629	UGC 9281	GALXY	BOO	14 28.3	+25 50	12.1	13.2	152	07
NGC 5632		GALXY	VIR	14 28.3	-00 12	99.9	99.9	242	14
NGC 5628		GALXY	BOO	14 28.4	+17 55	13.3	13.1	152	14
NGC 5627	UGC 9280	GALXY	BOO	14 28.5	+11 22	12.9	13.4	197	14
NGC 5635	H III 132	GALXY	BOO	14 28.5	+27 24	12.5	13.4	152	07
NGC 5639B		GALXY	BOO	14 28.6	+30 24	17.0	99.9	111	07
UGC 9291		GALXY	BOO	14 28.6	+39 00	13.0	14.3	077	07
NGC 5639A		GALXY	BOO	14 28.8	+30 24	14.6	99.9	111	07

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NGC 5637	H II 357	GALXY	BOO	14 28.9	+23 11	13.8	12.7	152	07
NGC 5642	H III 126	GALXY	BOO	14 29.2	+30 01	12.6	13.6	111	07
NGC 5641	UGC 9300	GALXY	BOO	14 29.3	+28 49	12.2	13.3	111	07
NGC 5646		GALXY	BOO	14 29.5	+35 26	14.2	13.6	111	07
NGC 5634	H I 70	GLOCL	VIR	14 29.6	-05 59	11.0	99.9	287	14
NGC 5638	H II 581	GALXY	VIR	14 29.7	+03 13	11.2	13.2	242	14
NGC 5636	H II 580	GALXY	VIR	14 29.7	+03 15	12.7	13.7	242	14
NGC 5712	H III 950	GALXY	UMI	14 29.7	+78 51	15.3	99.9	010	02
NGC 5626		GALXY	HYA	14 29.7	-29 46	13.0	12.9	372	21
NGC 5617		OPNCL	CEN	14 29.8	-60 43	06.3	99.9	430	25
NGC 5654	H III 420	GALXY	BOO	14 29.9	+36 21	12.9	13.3	111	07
NGC 5660	H II 695	GALXY	BOO	14 29.9	+49 37	11.9	13.9	077	07
UGC 9310		GALXY	VIR	14 30.0	+03 13	14.0	14.0	242	14
NGC 5653	H II 330	GALXY	BOO	14 30.2	+31 12	12.2	12.9	111	07
NGC 5656	H II 421	GALXY	BOO	14 30.3	+35 18	11.8	12.8	111	07
NGC 5644	UGC 9321	GALXY	BOO	14 30.4	+11 55	12.5	13.2	197	14
NGC 5667	H II 807	GALXY	DRA	14 30.4	+59 28	12.5	13.0	050	02
NGC 5645	H II 150	GALXY	VIR	14 30.6	+07 16	12.5	13.8	197	14
NGC 5647	UGC 9329	GALXY	BOO	14 30.6	+11 52	15.3	99.9	197	14
NGC 5648	UGC 9330	GALXY	BOO	14 30.6	+14 01	13.1	12.7	197	14
NGC 5657		GALXY	BOO	14 30.7	+29 10	13.3	13.5	111	07
Pismis 19		OPNCL	CEN	14 30.7	-60 59	99.9	99.9	431	25
NGC 5650		NONEX	VIR	14 30.8	+05 59	99.9	99.9	197	14
NGC 5649	H III 645	GALXY	BOO	14 30.8	+13 57	13.2	13.1	197	14
NGC 5652	H II 891	GALXY	VIR	14 30.9	+05 58	12.5	13.4	197	14
NGC 5655		GALXY	BOO	14 31.0	+13 59	99.9	99.9	197	14
NGC 5659	UGC 9342	GALXY	BOO	14 31.1	+25 21	13.9	13.4	152	07
Tr 22	Cr 283	OPNCL	CEN	14 31.2	-61 10	07.9	99.9	452	25
NGC 5651		NONEX	VIR	14 31.3	-00 56	99.9	99.9	242	14
NGC 5673	H II 696	GALXY	BOO	14 31.6	+49 57	12.1	12.4	077	07
IC 4444		GALXY	LUP	14 31.7	-43 25	11.4	12.2	404	21
NGC 5661	H II 892	GALXY	VIR	14 31.9	+06 14	13.3	13.0	197	14
NGC 5678	H I 237	GALXY	DRA	14 32.0	+57 54	11.3	13.0	050	02
NGC 5658		GALXY	VIR	14 32.4	+00 16	14.5	99.9	242	14
NGC 5665	H II 27,Arp 49	GALXY	BOO	14 32.4	+08 04	12.0	12.8	197	14
NGC 5675	H II 422	GALXY	BOO	14 32.6	+36 17	12.7	13.6	111	07
NGC 5643		GALXY	LUP	14 32.6	-44 13	10.0	13.0	404	21
NGC 5669	H II 79	GALXY	BOO	14 32.7	+09 53	11.3	13.8	197	14
NGC 5672	H III 310	GALXY	BOO	14 32.7	+31 39	13.5	12.6	111	07
NGC 5676	H I 189	GALXY	BOO	14 32.8	+49 27	11.2	13.2	077	07
NGC 5666		GALXY	BOO	14 33.1	+10 29	12.8	12.4	197	14
PK315- 0.1	He2-111	PLNNB	CEN	14 33.3	-60 50	13.0	99.9	431	25
NGC 5668	H II 574	GALXY	VIR	14 33.5	+04 26	11.5	13.9	242	14
Hogg 17		OPNCL	CEN	14 33.7	-61 23	08.3	99.9	452	25
NGC 5674	H II 893	GALXY	VIR	14 33.8	+05 26	13.0	13.0	242	14
NGC 5664	IC 4455	GALXY	LIB	14 33.8	-14 37	15.0	99.9	287	14
NGC 5663		GALXY	LIB	14 33.9	-16 34	15.0	99.9	287	14
NGC 5612		GALXY	APS	14 34.0	-78 25	12.1	12.6	467	25
NGC 5677	H III 283	GALXY	BOO	14 34.2	+25 27	13.7	13.0	152	07

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UGC 9380		GALXY VIR	14 34.6	+04 16	13.7	14.3	242	14
NGC 5682		GALXY BOO	14 34.8	+48 39	14.1	13.9	077	07
NGC 5683		GALXY BOO	14 34.9	+48 39	14.8	14.4	077	07
NGC 5687	H II 808	GALXY BOO	14 34.9	+54 28	11.8	13.1	050	02
NGC 5679A	H II 894	GALXY VIR	14 35.0	+05 20	14.2	99.9	242	14
NGC 5679B		GALXY VIR	14 35.0	+05 20	14.5	99.9	242	14
NGC 5679C		GALXY VIR	14 35.0	+05 20	16.0	99.9	242	14
NGC 5662		OPNCL CEN	14 35.2	-56 33	05.5	99.9	431	25
NGC 5689	H I 188	GALXY BOO	14 35.5	+48 44	11.9	13.0	077	07
NGC 5670		GALXY LUP	14 35.6	-45 57	12.0	12.6	404	21
NGC 5681		GALXY BOO	14 35.7	+08 17	14.3	99.9	197	14
NGC 5680		GALXY VIR	14 35.8	+00 03	13.7	13.3	242	14
NGC 5684	H III 421	GALXY BOO	14 35.8	+36 31	12.7	13.3	111	07
NGC 5686		GALXY BOO	14 36.0	+36 30	15.2	99.9	111	07
NGC 5685		GALXY BOO	14 36.2	+29 54	13.3	13.6	111	07
NGC 5693		GALXY BOO	14 36.2	+48 35	13.5	14.4	077	07
Ru 111		OPNCL CEN	14 36.3	-58 29	99.9	99.9	431	25
NGC 5697	IC 4471	GALXY BOO	14 36.6	+41 41	13.7	12.5	077	07
NGC 5696	H II 648	GALXY BOO	14 37.0	+41 49	13.0	14.1	077	07
NGC 5700		GALXY BOO	14 37.1	+48 33	15.2	99.9	077	07
NGC 5698	H II 700	GALXY BOO	14 37.2	+38 28	13.0	13.5	111	07
NGC 5695	H II 423	GALXY BOO	14 37.3	+36 34	12.8	13.2	111	07
NGC 5707		GALXY BOO	14 37.4	+51 35	12.5	12.6	050	02
NGC 5690	H II 582	GALXY VIR	14 37.8	+02 18	11.8	13.0	242	14
NGC 5704	H II 649	NONEX BOO	14 37.9	+40 31	99.9	99.9	077	07
NGC 5691	H II 681	GALXY VIR	14 37.9	-00 24	12.3	13.2	242	14
NGC 5714	H III 675	GALXY BOO	14 38.2	+46 39	13.4	13.5	077	07
NGC 5699	H III 127	NONEX BOO	14 38.3	+29 30	99.9	99.9	111	07
NGC 5708		GALXY BOO	14 38.3	+40 28	13.4	13.2	077	07
NGC 5692		GALXY VIR	14 38.4	+03 25	12.9	12.0	242	14
NGC 5720		GALXY BOO	14 38.4	+50 52	13.4	14.4	050	02
NGC 5703	H III 128	NONEX BOO	14 38.5	+29 30	99.9	99.9	111	07
NGC 5706		GALXY BOO	14 38.6	+30 29	15.7	99.9	111	07
NGC 5717		GALXY BOO	14 38.6	+46 41	15.4	99.9	077	07
NGC 5702	H III 894	GALXY BOO	14 38.8	+20 31	13.3	13.1	152	07
NGC 5709	UGC 9435	GALXY BOO	14 38.8	+30 27	13.6	13.1	111	07
NGC 5721		GALXY BOO	14 38.9	+46 41	15.3	99.9	077	07
NGC 5723		GALXY BOO	14 38.9	+46 41	15.5	99.9	077	07
NGC 5722		GALXY BOO	14 39.0	+46 40	15.0	99.9	077	07
NGC 5701	H II 575	GALXY VIR	14 39.1	+05 23	10.9	13.8	242	14
NGC 5724		GALXY BOO	14 39.1	+46 44	17.0	99.9	077	07
NGC 5710	H III 895	GALXY BOO	14 39.3	+20 03	13.0	13.3	152	07
NGC 5711		GALXY BOO	14 39.4	+20 00	13.9	13.1	152	07
NGC 5688		GALXY LUP	14 39.5	-45 01	11.9	14.1	404	21
NGC 5694	H II 196	GLOCL HYA	14 39.6	-26 32	10.2	99.9	332	21
NGC 5705		GALXY VIR	14 39.9	-00 42	12.7	14.3	242	14
NGC 5731	H III 658	GALXY BOO	14 40.0	+42 46	13.1	12.4	077	07
NGC 5730	H III 657	GALXY BOO	14 40.1	+42 48	14.1	13.5	077	07
NGC 5713	H I 182	GALXY VIR	14 40.2	-00 17	11.2	13.1	243	14

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NGC 5727		GALXY	BOO	14 40.4	+34 00	13.7	14.6	111	07
PK319+ 6.1	He2-112	PLNNB	LUP	14 40.5	-52 35	14.7	99.9	431	25
NGC 5732	H III 686	GALXY	BOO	14 40.6	+38 39	13.5	13.3	111	07
NGC 5718	H III 550	GALXY	VIR	14 40.8	+03 28	12.9	13.3	243	14
NGC 5719	H II 682	GALXY	VIR	14 41.0	-00 18	12.2	13.5	243	14
NGC 5725		GALXY	VIR	14 41.1	+02 10	13.6	13.3	243	14
NGC 5716	H III 671	GALXY	LIB	14 41.1	-17 27	13.0	99.9	333	14
Cr 285		OPNCL	UMI	14 41.5	+69 38	99.9	99.9	027	02
NGC 5729	H III 508	GALXY	LIB	14 41.9	-09 02	13.0	99.9	288	14
NGC 5726	ESO 580-G012	GALXY	LIB	14 42.9	-18 27	12.8	13.1	333	14
NGC 5735	H III 133	GALXY	BOO	14 42.4	+28 44	12.3	13.8	111	07
NGC 5728	H I 184	GALXY	LIB	14 42.4	-17 15	11.4	13.1	333	14
NGC 5739	H I 171	GALXY	BOO	14 42.6	+41 51	12.1	13.6	077	07
NGC 5733		GALXY	VIR	14 42.8	-00 20	14.0	13.0	243	14
IC 1048	UGC 9483	GALXY	VIR	14 42.9	+04 53	12.6	13.0	243	14
NGC 5737	H III 896	GALXY	BOO	14 43.2	+18 53	13.5	13.4	153	14
NGC 5715		OPNCL	CIR	14 43.4	-57 33	09.8	99.9	431	25
NGC 5736		GALXY	BOO	14 43.5	+11 13	14.9	99.9	198	14
NGC 5751	H II 809	GALXY	BOO	14 43.9	+53 25	13.2	13.2	050	02
NGC 5744		NONEX	LIB	14 43.9	-18 38	99.9	99.9	333	14
NGC 5738		GALXY	VIR	14 44.0	+01 37	13.9	12.4	243	14
vdB-Ha 164		OPNCL	CIR	14 44.1	-66 24	99.9	99.9	452	25
NGC 5747	IC 4493	GALXY	BOO	14 44.4	+12 09	14.5	99.9	198	14
NGC 5740	H II 538	GALXY	VIR	14 44.5	+01 41	11.9	13.3	243	14
NGC 5746	H I 126	GALXY	VIR	14 45.0	+01 49	10.3	12.6	243	14
NGC 5748		GALXY	BOO	14 45.0	+21 55	15.4	99.9	153	07
NGC 5745		GALXY	LIB	14 45.1	-13 56	14.0	99.9	288	14
NGC 5734		GALXY	LIB	14 45.1	-20 52	12.7	13.0	333	21
NGC 5743		GALXY	LIB	14 45.1	-20 54	13.0	12.4	333	21
NGC 5752		GALXY	BOO	14 45.3	+38 43	14.1	99.9	111	07
NGC 5753		GALXY	BOO	14 45.4	+38 43	15.1	99.9	111	07
NGC 5754	H III 687	GALXY	BOO	14 45.4	+38 47	14.1	99.9	111	07
NGC 5755		GALXY	BOO	14 45.5	+38 46	15.1	99.9	111	07
NGC 5742		GALXY	LIB	14 45.8	-11 48	14.0	99.9	288	14
NGC 5741		GALXY	LIB	14 46.1	-11 54	15.0	99.9	288	14
NGC 5750	H I 183	GALXY	VIR	14 46.2	-00 13	11.6	13.2	243	14
NGC 5758	UGC 9524	GALXY	BOO	14 47.1	+13 40	13.5	13.1	198	14
NGC 5759	UGC 9525	GALXY	BOO	14 47.3	+13 28	14.9	99.9	198	14
NGC 5760	H III 885	GALXY	BOO	14 47.7	+18 31	13.3	13.2	153	14
NGC 5756		GALXY	LIB	14 47.7	-14 51	12.3	12.9	288	14
NGC 5757	H III 690	GALXY	LIB	14 47.8	-19 05	11.9	13.0	333	14
Be 145		DRKNB	CIR	14 48.6	-65 15	79.9	79.9	452	25
NGC 5762	UGC 9535	GALXY	BOO	14 48.7	+12 28	12.7	13.3	198	14
NGC 5749		OPNCL	LUP	14 48.9	-54 31	08.8	99.9	431	25
NGC 5763		GALXY	BOO	14 49.0	+12 29	15.3	99.9	198	14
NGC 5761		GALXY	LIB	14 49.1	-20 22	12.4	12.5	333	21
IC 1065	UGC 9553	GALXY	DRA	14 49.3	+63 16	13.6	13.2	027	02
vdBH 63		BRTNB	CIR	14 49.4	-65 14	99.9	99.9	452	25
NGC 5767		GALXY	BOO	14 49.7	+47 23	14.1	13.3	078	07

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Hogg 18		OPNCL	LUP	14 50.7	-52 15	08	99.9	431	25
NGC 5765A	UGC 9554	GALXY	VIR	14 50.8	+05 07	14.6	99.9	243	14
NGC 5765B		GALXY	VIR	14 50.8	+05 07	14.5	99.9	243	14
UGC 9560		GALXY	BOO	14 50.9	+35 35	14.6	12.6	111	07
UGC 9562		GALXY	BOO	14 51.2	+35 33	13.9	13.5	111	07
NGC 5777	H III 806	GALXY	DRA	14 51.4	+58 58	13.3	13.5	050	02
NGC 5772		GALXY	BOO	14 51.7	+40 36	12.8	13.8	078	07
NGC 5768	H III 373	GALXY	LIB	14 52.2	+00 20	12.5	13.4	243	14
NGC 5771	H III 129	GALXY	BOO	14 52.2	+29 51	13.6	12.8	111	07
NGC 5779		GALXY	DRA	14 52.2	+55 54	15.7	99.9	050	02
NGC 5773	H III 130	GALXY	BOO	14 52.5	+29 48	13.5	13.0	111	07
NGC 5769		GALXY	BOO	14 52.6	+07 56	14.9	99.9	198	14
NGC 5808		NONEX	UMI	14 53.0	+73 01	99.9	99.9	010	02
NGC 5788		GALXY	BOO	14 53.2	+52 03	15.5	99.9	050	02
NGC 5766		GALXY	LIB	14 53.2	-21 22	13.4	12.9	333	21
NGC 5770	H II 576	GALXY	VIR	14 53.4	+03 57	12.3	12.9	243	14
NGC 5783		GALXY	BOO	14 53.5	+52 05	12.8	14.4	050	02
NGC 5764		OPNCL	LUP	14 53.6	-52 41	12.6	99.9	431	25
NGC 5774		GALXY	VIR	14 53.8	+03 35	12.1	14.2	243	14
NGC 5785		NONEX	BOO	14 53.9	+52 09	99.9	99.9	050	02
NGC 5775	H III 554	GALXY	VIR	14 54.0	+03 33	11.4	12.8	243	14
NGC 5819	H III 311	GALXY	UMI	14 54.0	+73 08	13.5	13.2	010	02
NGC 5784	H II 676	GALXY	BOO	14 54.2	+42 33	12.4	13.6	078	07
NGC 5780		GALXY	BOO	14 54.4	+28 57	14.0	12.7	111	07
NGC 5778		GALXY	BOO	14 54.5	+18 38	13.8	13.8	153	14
NGC 5776		GALXY	VIR	14 54.6	+02 58	14.7	99.9	243	14
NGC 5782		GALXY	BOO	14 55.0	+11 42	15.1	99.9	198	14
NGC 5787	H II 677	GALXY	BOO	14 55.2	+42 30	13.1	12.8	078	07
NGC 5804	H III 679	GALXY	BOO	14 55.7	+49 39	13.1	13.3	078	07
NGC 5794	UGC 9610	GALXY	BOO	14 55.7	+49 44	13.4	13.2	078	07
NGC 5807		GALXY	DRA	14 55.7	+63 55	15.5	99.9	027	02
NGC 5805		GALXY	BOO	14 55.9	+49 43	99.9	99.9	078	07
NGC 5795		GALXY	BOO	14 56.3	+49 23	13.8	12.7	078	07
NGC 5797	H III 678	GALXY	BOO	14 56.3	+49 42	12.8	12.3	078	07
NGC 5789	H III 976	GALXY	BOO	14 56.6	+30 13	13.7	13.1	111	07
NGC 5781		GALXY	LIB	14 56.6	-17 15	14.0	99.9	333	14
NGC 5790		GALXY	BOO	14 57.5	+08 17	13.6	13.2	198	14
NGC 5798	H III 131	GALXY	BOO	14 57.7	+29 58	13.1	13.3	111	07
NGC 5832	H II 332	GALXY	UMI	14 57.8	+71 41	12.1	14.2	027	02
Ru 112		OPNCL	CIR	14 57.8	-61 51	99.9	99.9	452	25
NGC 5792	H II 683	GALXY	LIB	14 58.4	-01 05	11.3	13.8	243	14
NGC 5820	H II 756	GALXY	BOO	14 58.6	+53 53	12.4	12.9	050	02
NGC 5818		GALXY	BOO	14 58.8	+49 49	13.7	13.6	078	07
NGC 5791	H III 691	GALXY	LIB	14 58.8	-19 16	11.7	13.0	333	14
NGC 5821A	H III 811	GALXY	BOO	14 58.9	+53 55	14.9	99.9	050	02
NGC 5786		GALXY	CEN	14 59.0	-42 01	99.9	99.9	405	21
NGC 5821B		GALXY	BOO	14 59.4	+53 54	14.5	99.9	050	02
NGC 5796	NGC 5816	GALXY	LIB	14 59.4	-16 38	11.6	13.2	288	14
NGC 5793		GALXY	LIB	14 59.4	-16 42	13.2	13.0	288	14

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NGC 5836	H III 312	GALXY	UMI	14 59.5	+73 53	13.9	13.9	010	02
NGC 5817		GALXY	LIB	14 59.6	-16 11	15.0	99.9	288	14
NGC 5826		NONEX	DRA	14 59.8	+55 31	99.9	99.9	050	02
NGC 5806	H II 539	GALXY	VIR	15 00.1	+01 53	11.7	13.3	243	14
IC 4499		GLOCL	APS	15 00.3	-82 13	10.6	99.9	467	25
NGC 5801		GALXY	LIB	15 00.4	-13 54	99.9	99.9	288	14
NGC 5811		GALXY	VIR	15 00.5	+01 37	14.0	13.5	243	14
NGC 5803		GALXY	LIB	15 00.5	-13 54	99.9	99.9	288	14
NGC 5802		GALXY	LIB	15 00.5	-13 55	99.9	99.9	288	14
NGC 5815		GALXY	LIB	15 00.5	-16 50	14.0	99.9	288	14
NGC 5828A		GALXY	BOO	15 00.6	+49 59	14.3	99.9	078	07
NGC 5828B		GALXY	BOO	15 00.7	+49 59	14.6	99.9	078	07
NGC 5812	H I 71	GALXY	LIB	15 00.8	-07 28	11.2	12.6	288	14
NGC 5809		GALXY	LIB	15 00.9	-14 10	14.0	99.9	288	14
vdBH 65a		BRTNB	CIR	15 01.1	-63 17	99.9	99.9	453	25
NGC 5813	H I 127	GALXY	VIR	15 01.2	+01 42	10.5	13.2	243	14
NGC 5814		GALXY	VIR	15 01.4	+01 37	13.8	12.8	243	14
NGC 5830		GALXY	BOO	15 01.7	+47 52	14.2	13.6	078	07
NGC 5827	UGC 9662	GALXY	BOO	15 01.8	+25 58	13.0	12.8	153	07
NGC 5825		NONEX	BOO	15 02.0	+18 42	99.9	99.9	153	14
NGC 5800		NONEX	LUP	15 02.0	-51 55	99.9	99.9	431	25
NGC 5816		NONEX	LIB	15 02.1	-16 08	99.9	99.9	288	14
NGC 5835		GALXY	BOO	15 02.3	+48 52	14.4	14.3	078	07
NGC 5810		GALXY	LIB	15 02.6	-17 53	13.2	13.0	333	14
NGC 5829	IC 4526	GALXY	BOO	15 03.7	+23 20	13.4	14.4	153	07
NGC 5824		GLOCL	LUP	15 04.0	-33 04	09	99.9	373	21
PK318- 2.1	He2-114	PLNNB	CIR	15 04.1	-60 53	11.1	99.9	431	25
NGC 5831	H II 540	GALXY	VIR	15 04.2	+01 13	11.5	12.9	243	14
NGC 5840		NONEX	BOO	15 04.3	+29 30	99.9	99.9	112	07
NGC 5837	UGC 9686	GALXY	BOO	15 04.7	+12 38	14.5	99.9	198	14
NGC 5842		GALXY	BOO	15 04.8	+21 04	15.2	99.9	153	07
NGC 5866A		GALXY	DRA	15 05.2	+55 49	99.9	99.9	050	02
NGC 5822		OPNCL	LUP	15 05.2	-54 21	06.5	99.9	431	25
NGC 5839	H II 541	GALXY	VIR	15 05.5	+01 38	12.7	13.0	243	14
NGC 5838	H II 542	GALXY	VIR	15 05.5	+02 06	10.9	12.8	243	14
NGC 5799		GALXY	APS	15 05.5	-72 26	99.9	99.9	453	25
NGC 5841		NONEX	VIR	15 05.6	+01 59	99.9	99.9	243	14
NGC 5823		OPNCL	CIR	15 05.7	-55 36	07.9	99.9	431	25
NGC 5853		GALXY	BOO	15 05.8	+39 31	14.8	99.9	078	07
NGC 5862		GALXY	DRA	15 06.0	+55 34	15.7	99.9	050	02
PK321+ 2.2	He2-117	PLNNB	LUP	15 06.0	-56 00	99.9	99.9	431	25
PK318- 2.2	He2-116	PLNNB	CIR	15 06.0	-61 22	10.6	99.9	453	25
NGC 5845	H III 511	GALXY	VIR	15 06.1	+01 38	12.5	11.5	243	14
PK327+13.1		PLNNB	LUP	15 06.2	-43 01	99.9	99.9	405	21
NGC 5847		GALXY	VIR	15 06.3	+06 23	15.1	99.9	198	14
NGC 5867		NONEX	DRA	15 06.4	+55 44	99.9	99.9	050	02
NGC 5834		NONEX	LUP	15 06.4	-33 07	99.9	99.9	373	21
NGC 5846A		GALXY	VIR	15 06.5	+01 35	99.9	99.9	243	14
NGC 5846	H I 128	GALXY	VIR	15 06.5	+01 36	10.0	13.0	243	14

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NGC 5860		GALXY	BOO	15 06.5	+42 38	14.2	99.9	078	07
NGC 5866	M 102?	GALXY	DRA	15 06.5	+55 45	09.9	12.2	050	02
NGC 5870		GALXY	DRA	15 06.6	+55 28	13.9	13.9	050	02
NGC 5848	NGC 5841	GALXY	VIR	15 06.7	+02 00	13.8	12.7	243	14
NGC 5851	H III 886	GALXY	BOO	15 06.9	+12 52	14.0	12.6	198	14
NGC 5849		GALXY	LIB	15 06.9	-14 36	15.0	99.9	288	14
NGC 5852	H III 887	GALXY	BOO	15 07.0	+12 51	13.5	12.9	198	14
NGC 5850	H II 543	GALXY	VIR	15 07.2	+01 32	10.8	13.6	243	14
NGC 5856	H IV 71	NONEX	BOO	15 07.3	+18 26	99.9	99.9	153	14
NGC 5857	H II 751	GALXY	BOO	15 07.4	+19 35	13.1	12.6	153	14
NGC 5859	H II 752	GALXY	BOO	15 07.5	+19 34	12.4	13.4	153	14
NGC 5854	H II 544	GALXY	VIR	15 07.9	+02 34	11.9	12.6	243	14
NGC 5855		GALXY	VIR	15 07.9	+03 58	15.5	99.9	243	14
NGC 5874		GALXY	BOO	15 07.9	+54 45	12.4	13.7	050	02
NGC 5843		GALXY	LUP	15 08.0	-36 20	12.3	13.0	373	21
NGC 5875A		GALXY	BOO	15 08.6	+52 17	14.0	99.9	050	02
UGC 9749	Ursa Minor Dwarf	GALXY	UMI	15 08.8	+67 12	10.9	17.8	028	02
NGC 5858		GALXY	LIB	15 08.8	-11 13	14.0	99.9	288	14
NGC 5875	H II 755	GALXY	BOO	15 09.1	+52 31	12.4	13.5	050	02
NGC 5861	H II 192	GALXY	LIB	15 09.1	-11 20	11.6	13.2	288	14
NGC 5876		GALXY	BOO	15 09.5	+54 30	12.7	13.7	050	02
NGC 5864	H II 585	GALXY	VIR	15 09.6	+03 03	11.8	12.6	243	14
NGC 5879	H II 757	GALXY	DRA	15 09.7	+56 59	11.6	13.3	050	02
NGC 5865	H II 684	GALXY	VIR	15 09.9	+00 27	13.5	99.9	243	14
NGC 5869	H II 545	GALXY	VIR	15 09.9	+00 28	11.9	13.2	243	14
NGC 5868	NGC 5865	GALXY	VIR	15 09.9	+00 31	13.4	13.4	243	14
NGC 5871		1STAR	VIR	15 10.1	+00 31	99.9	99.9	243	14
NGC 5881	H II 818	GALXY	DRA	15 10.7	+64 51	15.0	99.9	028	02
NGC 5844	PK317- 5.1	UVSOB	TRA	15 10.7	-64 41	99.9	99.9	453	25
NGC 5863		GALXY	LIB	15 10.8	-18 27	12.8	13.3	333	14
NGC 5872		GALXY	LIB	15 11.0	-11 30	14.0	99.9	288	14
NGC 5909	H III 943	GALXY	UMI	15 11.5	+75 28	13.7	12.9	011	02
NGC 5912	H III 944	GALXY	UMI	15 11.6	+75 21	13.7	99.9	011	02
NGC 5894	H II 763	GALXY	DRA	15 11.8	+59 48	12.9	13.0	050	02
NGC 5833		GALXY	APS	15 11.8	-72 52	12.0	14.0	468	25
UGC 9760		GALXY	SER	15 12.0	+01 41	14.1	13.3	243	14
PK321+ 1.1	He2-120	PLNNB	CIR	15 12.0	-55 40	14.2	99.9	431	25
NGC 5866B		GALXY	DRA	15 12.2	+55 46	14.2	15.8	050	02
NGC 5886		GALXY	BOO	15 12.7	+41 13	15.1	99.9	078	07
NGC 5877		3STAR	LIB	15 12.8	-04 56	99.9	99.9	244	14
NGC 5873	PK331+16.1	PLNNB	LUP	15 12.9	-38 06	12.0	99.9	373	21
NGC 5888	H III 659	GALXY	BOO	15 13.0	+41 15	13.4	13.3	078	07
NGC 5884		NONEX	BOO	15 13.1	+31 51	99.9	99.9	112	07
NGC 5889		GALXY	BOO	15 13.1	+41 15	15.5	99.9	078	07
Sa 172		DRKNB	CIR	15 13.2	-62 41	79.9	79.9	453	25
NGC 5893	H II 678	GALXY	BOO	15 13.6	+41 57	13.1	13.4	078	07
NGC 5892		GALXY	LIB	15 13.7	-15 30	11.7	14.0	289	14
NGC 5895		GALXY	BOO	15 13.8	+41 59	15.5	99.9	078	07
NGC 5896		GALXY	BOO	15 13.8	+41 59	15.5	99.9	078	07

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NGC 5878	H III 736	GALXY LIB	15 13.8	-14 16	11.5	13.1	289	14
NGC 5902	H III 737	GALXY BOO	15 14.4	+50 21	15.4	99.9	050	02
NGC 5887		GALXY SER	15 14.8	+01 08	13.4	13.4	244	14
NGC 5880		GALXY LIB	15 14.9	-14 34	15.0	99.9	289	14
NGC 5899	H II 650	GALXY BOO	15 15.0	+42 02	11.7	13.0	078	07
NGC 5900	H III 660	GALXY BOO	15 15.1	+42 12	14.0	13.7	078	07
NGC 5901		1STAR BOO	15 15.1	+42 12	99.9	99.9	078	07
NGC 5885	H III 116	GALXY LIB	15 15.1	-10 04	11.8	14.2	289	14
NGC 5883		GALXY LIB	15 15.1	-14 36	15.0	99.9	289	14
NGC 5905	H II 758	GALXY DRA	15 15.4	+55 30	11.7	14.1	050	02
Pismis 20		OPNCL CIR	15 15.4	-59 04	07.8	99.9	431	25
NGC 5907	H II 759	GALXY DRA	15 15.9	+56 19	10.3	13.3	050	02
NGC 5906		NONEX DRA	15 15.9	+56 20	99.9	99.9	050	02
Pal 5		GLOCL SER	15 16.1	-00 07	11.8	99.9	244	14
NGC 5891		GALXY LIB	15 16.3	-11 30	14.0	99.9	289	14
UGC 9799		GALXY SER	15 16.7	+07 01	12.9	13.5	199	14
Lynga 3		OPNCL CIR	15 16.7	-58 03	99.9	99.9	431	25
NGC 5908	H II 760	GALXY DRA	15 16.8	+55 26	11.8	13.2	050	02
NGC 5882	PK327+10.1	PLNNB LUP	15 16.8	-45 39	10.5	99.9	405	21
Pismis 21		OPNCL CIR	15 16.9	-58 43	99.9	99.9	431	25
NGC 5897	H VI 19	GLOCL LIB	15 17.4	-21 01	08.6	99.9	334	21
NGC 5890		GALXY LIB	15 17.9	-17 35	14.0	99.9	334	14
NGC 5898	H III 138	GALXY LIB	15 18.2	-24 06	11.4	13.0	334	21
NGC 5904	M 5	GLOCL SER	15 18.6	+02 05	05.8	99.9	244	14
NGC 5903	H III 139	GALXY LIB	15 18.6	-24 01	11.2	13.1	334	21
NGC 5914A		GALXY BOO	15 18.7	+41 52	15.0	99.9	078	07
NGC 5914B		GALXY BOO	15 18.7	+41 54	17.0	99.9	078	07
NGC 5910	H II 400	GALXY SER	15 19.3	+20 55	13.6	13.1	154	07
NGC 5918		GALXY BOO	15 19.3	+45 54	13.2	13.5	078	07
NGC 5911		GALXY SER	15 20.4	+03 32	14.7	99.9	244	14
NGC 5913	H III 374	GALXY SER	15 20.9	-02 35	13.2	13.3	244	14
NGC 5922	H III 661	NONEX BOO	15 21.2	+41 39	99.9	99.9	078	07
NGC 5923		GALXY BOO	15 21.2	+41 44	13.1	14.2	078	07
NGC 5916A		GALXY LIB	15 21.3	-13 05	15.0	99.9	289	14
NGC 5917		GALXY LIB	15 21.4	-07 22	14.5	99.9	289	14
NGC 5919		GALXY SER	15 21.5	+07 44	15.5	99.9	199	14
NGC 5915		GALXY LIB	15 21.6	-13 05	12.3	13.0	289	14
NGC 5916		GALXY LIB	15 21.7	-13 09	14.0	99.9	289	14
NGC 5920		GALXY SER	15 21.8	+07 43	13.6	13.4	199	14
NGC 5921	H I 148	GALXY SER	15 21.9	+05 05	10.8	13.9	244	14
NGC 5924		GALXY CRB	15 21.9	+31 14	14.5	12.7	112	07
Abell 2065		GALCL CRB	15 22.1	+27 39	14.0	99.9	154	07
PK342+17.1		PLNNB LIB	15 22.3	-23 38	12.0	99.9	334	21
PK342+27.1	Merrill 2-1	PLNNB LIB	15 22.3	-23 38	11.6	99.9	334	21
PK323+ 2.1	He2-123	PLNNB NOR	15 22.3	-54 09	15.1	99.9	431	25
NGC 5926		GALXY SER	15 23.4	+12 42	13.5	13.0	199	14
PK324+ 2.1		PLNNB LUP	15 23.6	-53 52	99.9	99.9	431	25
PK322- 0.1		PLNNB CIR	15 23.7	-57 09	99.9	99.9	431	25
UGC 9837	MCG +10-22-013	GALXY DRA	15 23.8	+58 03	13.3	14.4	050	02

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NGC 5939		GALXY	UMI	15 24.8	+68 45	13.0	11.9	028	02
PK325+ 4.2		PLNNB	LUP	15 24.8	-51 50	99.9	99.9	431	25
PK325+ 4.1		PLNNB	LUP	15 25.1	-51 20	99.9	99.9	431	25
PK325+ 3.1		PLNNB	LUP	15 25.6	-52 51	99.9	99.9	431	25
NGC 5928	H II 874	GALXY	SER	15 25.9	+18 05	12.2	13.5	154	14
NGC 5929		GALXY	BOO	15 26.1	+41 41	13.0	99.9	078	07
NGC 5930	H II 651	GALXY	BOO	15 26.1	+41 41	13.0	99.9	078	07
UGC 9858		GALXY	BOO	15 26.6	+40 34	12.8	14.0	078	07
NGC 5932		GALXY	BOO	15 26.8	+48 37	15.2	99.9	078	07
NGC 5933		GALXY	BOO	15 27.0	+48 37	15.7	99.9	078	07
NGC 5925		OPNCL	NOR	15 27.7	-54 31	08.4	99.9	431	25
NGC 5949	H II 906	GALXY	DRA	15 27.9	+64 46	12.0	12.8	028	02
NGC 5927		GLOCL	LUP	15 28.0	-50 40	08.3	99.9	431	25
NGC 5934		GALXY	BOO	15 28.2	+42 55	13.8	11.9	078	07
NGC 5935		GALXY	BOO	15 28.3	+42 56	15.1	99.9	078	07
NGC 5931		GALXY	SER	15 29.5	+07 35	15.0	99.9	199	14
NGC 5943		GALXY	BOO	15 29.8	+42 47	13.2	13.7	078	07
NGC 5945		GALXY	BOO	15 29.8	+42 55	12.8	14.2	078	07
NGC 5936	H II 130	GALXY	SER	15 30.1	+13 00	12.5	13.0	199	14
NGC 5947		GALXY	BOO	15 30.7	+42 43	13.7	13.9	078	07
NGC 5937	H II 401	GALXY	SER	15 30.8	-02 49	12.3	12.9	244	14
NGC 5940		GALXY	SER	15 31.2	+07 28	13.4	12.8	199	14
NGC 5941		GALXY	SER	15 31.5	+07 20	14.3	99.9	199	14
NGC 5950		GALXY	BOO	15 31.5	+40 26	13.7	13.8	078	07
NGC 5942		GALXY	SER	15 31.6	+07 18	14.8	99.9	199	14
NGC 5944		GALXY	SER	15 31.7	+07 19	14.9	12.4	199	14
NGC 5948		NONEX	SER	15 32.9	+03 59	99.9	99.9	244	14
UGC 9893		GALXY	BOO	15 32.9	+46 27	14.3	13.3	078	07
Lynga 4		OPNCL	NOR	15 33.3	-55 13	11.4	99.9	432	25
NGC 5963	H II 761	GALXY	DRA	15 33.5	+56 35	12.5	14.7	051	02
NGC 5951	H II 654	GALXY	SER	15 33.8	+15 00	12.7	13.7	199	14
NGC 5965	H II 762	GALXY	DRA	15 34.0	+56 42	11.7	13.0	051	02
Harvard 9		OPNCL	NOR	15 34.2	-52 44	99.9	99.9	432	25
PK322- 2.1	Menzel 1	PLNNB	NOR	15 34.2	-59 09	12.5	99.9	432	25
NGC 5953	H II 178	GALXY	SER	15 34.6	+15 12	13.3	99.9	199	14
NGC 5954	H II 179	GALXY	SER	15 34.7	+15 12	13.7	99.9	199	14
NGC 5958	H II 399	GALXY	CRB	15 34.7	+28 40	12.6	12.5	112	07
NGC 5952	IC 1126	GALXY	SER	15 34.8	+04 57	15.5	99.9	244	14
NGC 5969		GALXY	DRA	15 34.9	+56 28	15.4	99.9	051	02
NGC 5956		GALXY	SER	15 35.0	+11 45	12.3	13.2	199	14
IC 4553	UGC 9913	GALXY	SER	15 35.0	+23 29	13.2	13.7	154	07
IC 4554	UGC 9913	GALXY	SER	15 35.0	+23 29	14.4	99.9	154	07
NGC 5955		GALXY	SER	15 35.1	+05 04	15.0	99.9	244	14
UGC 9912		GALXY	SER	15 35.1	+16 33	13.5	14.5	199	14
NGC 5961	UGC 9918	GALXY	CRB	15 35.2	+30 51	14.1	12.5	112	07
NGC 5957		GALXY	SER	15 35.4	+12 03	11.7	13.7	199	14
NGC 5946		GLOCL	NOR	15 35.5	-50 40	09.6	99.9	432	25
NGC 5971		GALXY	DRA	15 35.6	+56 29	13.8	13.6	051	02
NGC 5966	H III 634	GALXY	BOO	15 35.8	+39 47	12.2	12.9	078	07

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IC 4562		GALXY	BOO	15 36.0	+43 29	12.6	13.0	078	07
NGC 5976A		GALXY	DRA	15 36.0	+59 34	15.5	99.9	051	02
NGC 5960		GALXY	SER	15 36.2	+05 40	15.1	99.9	199	14
NGC 5962	H II 96	GALXY	SER	15 36.4	+16 36	11.3	13.2	199	14
NGC 5938		UVSOB	TRA	15 36.4	-66 52	99.9	99.9	453	25
NGC 5976		GALXY	DRA	15 36.8	+59 24	14.8	13.5	051	02
PK315-13.1	He2-131	PLNNB	APS	15 37.2	-71 55	99.9	99.9	453	25
NGC 5959		GALXY	LIB	15 37.4	-16 37	14.0	99.9	289	14
NGC 5964	IC 4551	GALXY	SER	15 37.5	+05 58	12.0	14.7	199	14
NGC 5981		GALXY	DRA	15 37.9	+59 23	13.0	13.1	051	02
PK323- 2.1	He2-132	PLNNB	NOR	15 38.0	-58 45	14.6	99.9	432	25
UGC 9941		GALXY	SER	15 38.4	+12 57	13.8	14.6	199	14
NGC 5970	H II 76	GALXY	SER	15 38.5	+12 11	11.5	13.3	199	14
NGC 5982	H II 764	GALXY	DRA	15 38.6	+59 21	11.1	12.9	051	02
NGC 5972		GALXY	SER	15 38.8	+17 02	13.6	13.1	154	14
NGC 5974	UGC 9952	GALXY	CRB	15 39.0	+31 45	14.2	12.4	112	07
NGC 5985	H II 766	GALXY	DRA	15 39.6	+59 20	11.1	14.0	051	02
NGC 5987	H II 765	GALXY	DRA	15 39.8	+58 05	11.7	13.4	051	02
NGC 5968		GALXY	LUP	15 39.9	-30 34	12.2	13.6	373	21
vdB-Ha 176		OPNCL	LUP	15 39.9	-48 16	99.9	99.9	406	21
NGC 5975	UGC 9963	GALXY	SER	15 40.0	+21 28	14.1	12.5	154	07
NGC 5973		GALXY	LIB	15 40.2	-08 37	99.9	99.9	289	14
NGC 5977	UGC 9967	GALXY	SER	15 40.4	+17 07	13.4	13.6	154	14
NGC 5980	H II 655	GALXY	SER	15 41.5	+15 47	12.6	12.7	199	14
NGC 5989	H III 738	GALXY	DRA	15 41.5	+59 45	13.1	12.7	051	02
PK324- 1.1	He2-133	PLNNB	NOR	15 41.9	-56 37	16.4	99.9	432	25
UGC 9977		GALXY	SER	15 42.0	+00 42	13.2	13.7	244	14
NGC 5978		GALXY	LIB	15 42.4	-13 14	14.0	99.9	289	14
Lynga 5		OPNCL	NOR	15 42.6	-55 41	99.9	99.9	432	25
NGC 5983	UGC 9983	GALXY	SER	15 42.7	+08 14	13.4	13.4	199	14
NGC 5984	H II 656	GALXY	SER	15 43.0	+14 13	12.5	13.2	199	14
UGC 10054		GALXY	UMI	15 44.0	+81 50	13.1	14.1	011	02
NGC 5992	H III 635	GALXY	BOO	15 44.4	+41 05	13.7	13.0	079	07
NGC 5993	H III 636	GALXY	BOO	15 44.5	+41 07	13.1	13.0	079	07
NGC 5988		GALXY	SER	15 44.6	+10 17	13.8	13.9	200	14
NGC 5991		GALXY	SER	15 45.3	+24 37	14.7	99.9	155	07
B228	Be 148	DRKNB	LUP	15 45.5	-34 24	79.9	79.9	374	21
UGC 10020		GALXY	SER	15 45.8	+20 35	12.9	14.4	155	07
NGC 5986	Dunlop 552	GLOCL	LUP	15 46.1	-37 47	07.1	99.9	374	21
NGC 5990	H II 425	GALXY	SER	15 46.4	+02 24	12.4	12.6	245	14
NGC 6011	H III 313	GALXY	UMI	15 46.6	+72 09	13.5	13.8	028	02
NGC 5979	PK322-5.1	PLNNB	TRA	15 46.7	-61 12	13.0	99.9	453	25
NGC 5967A		GALXY	APS	15 46.7	-75 48	99.9	99.9	468	25
NGC 5994	UGC 10033,Arp 72	GALXY	SER	15 46.8	+17 51	13.2	99.9	155	14
NGC 5996	H II 97	GALXY	SER	15 46.9	+17 52	12.8	13.1	155	14
NGC 5997		GALXY	SER	15 47.4	+08 19	15.5	99.9	200	14
NGC 6001	H III 371	GALXY	CRB	15 47.7	+28 38	14.5	99.9	113	07
NGC 6002		NONEX	CRB	15 47.8	+28 37	99.9	99.9	113	07
NGC 5967		GALXY	APS	15 48.0	-75 40	12.0	13.6	468	25

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NGC 5995		GALXY	LIB	15 48.4	-13 47	14.0	99.9	290	14
UGC 10041		GALXY	SER	15 49.0	+05 11	13.0	14.6	245	14
NGC 6003		GALXY	SER	15 49.3	+19 01	13.4	13.0	155	14
NGC 5998	H VII 29	NONEX	SCO	15 49.4	-28 36	99.9	99.9	374	21
NGC 6000		GALXY	SCO	15 49.8	-29 25	12.2	13.3	374	21
NGC 6004	UGC 10056	GALXY	SER	15 50.3	+18 56	12.3	13.4	155	14
Cr 292		OPNCL	NOR	15 50.7	-57 40	07.9	99.9	432	25
PK330+ 4.1		PLNNB	NOR	15 51.3	-48 45	99.9	99.9	406	21
NGC 6015	H III 739	GALXY	DRA	15 51.5	+62 20	11.1	13.6	028	02
PK329+ 2.1	Shapley 1	PLNNB	NOR	15 51.7	-51 31	13.6	99.9	432	25
NGC 5999		OPNCL	NOR	15 52.2	-56 28	09	99.9	432	25
NGC 6019		GALXY	DRA	15 52.3	+64 51	15.5	99.9	028	02
PK322- 6.1	He2-136	PLNNB	TRA	15 52.3	-62 31	12.5	99.9	453	25
NGC 6008	UGC 10076	GALXY	SER	15 52.9	+21 08	13.0	13.6	155	07
NGC 6008A		GALXY	SER	15 52.9	+21 08	14.0	99.9	155	07
NGC 6013		GALXY	HER	15 52.9	+40 39	13.6	13.5	079	07
NGC 6006		GALXY	SER	15 53.0	+12 02	15.5	99.9	200	14
NGC 6008B		GALXY	SER	15 53.1	+21 07	15.0	99.9	155	07
NGC 6024		GALXY	DRA	15 53.2	+64 56	15.0	99.9	028	02
NGC 6007	UGC 10079	GALXY	SER	15 53.4	+11 58	13.2	13.8	200	14
NGC 6009		GALXY	SER	15 53.5	+12 05	15.5	99.9	200	14
LDN 134		DRKNB	LIB	15 53.6	-04 39	79.9	79.9	245	14
NGC 6012	H II 657	GALXY	SER	15 54.3	+14 36	12.0	13.1	200	14
NGC 6010	H II 583	GALXY	SER	15 54.4	+00 32	12.6	12.4	245	14
UGC 10086	Mrk 1496	GALXY	SER	15 54.6	+16 36	14.3	12.0	200	14
NGC 6068A		GALXY	UMI	15 54.8	+79 00	14.0	11.8	011	02
NGC 6068	H III 973	GALXY	UMI	15 55.4	+79 00	12.8	12.4	011	02
NGC 6014	IC 4586	GALXY	SER	15 55.8	+05 57	12.2	13.2	200	14
NGC 6005		OPNCL	NOR	15 55.8	-57 26	10.7	99.9	432	25
NGC 6016		GALXY	CRB	15 55.9	+26 59	14.3	13.3	155	07
PK320- 9.1	He2-138	GALXY	TRA	15 56.0	-66 10	13.3	99.9	453	25
SL 11		DRKNB	LUP	15 57.0	-37 48	79.9	79.9	374	21
NGC 6017		GALXY	SER	15 57.2	+06 00	13.1	12.3	200	15
NGC 6020	IC 1148	GALXY	SER	15 57.2	+22 25	12.7	13.1	155	07
Ru 113		OPNCL	NOR	15 57.2	-59 28	99.9	99.9	432	25
NGC 6021	H III 73	GALXY	SER	15 57.4	+15 57	13.1	13.1	200	14
NGC 6018	H III 646	GALXY	SER	15 57.5	+15 51	13.4	13.3	200	14
NGC 6048	H II 873	GALXY	UMI	15 57.6	+70 42	12.3	13.7	028	02
NGC 6022		GALXY	SER	15 57.7	+16 17	14.7	13.5	200	14
NGC 6023	UGC 10106	GALXY	SER	15 57.7	+16 18	13.1	13.4	200	14
PK327- 1.2		PLNNB	NOR	15 58.1	-55 42	99.9	99.9	432	25
Sh2- 1		BRTNB	SCO	15 58.9	-26 09	99.9	99.9	335	21
PK325- 4.1	He2-141	PLNNB	NOR	15 59.1	-58 24	12.4	99.9	432	25
NGC 6027A		GALXY	SER	15 59.2	+20 45	13.9	12.5	155	07
NGC 6027C		GALXY	SER	15 59.2	+20 45	16.0	99.9	155	07
NGC 6027	UGC 10116	GALXY	SER	15 59.2	+20 46	14.3	11.7	155	07
NGC 6027B		GALXY	SER	15 59.2	+20 46	15.5	99.9	155	07
NGC 6027D		GALXY	SER	15 59.2	+20 46	15.5	11.4	155	07
NGC 6027E		GALXY	SER	15 59.2	+20 46	13.4	12.1	155	07

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PK327- 2.1		PLNNB	NOR	16 00.0	-55 56	99.9	99.9	432	25
Tr 23	Cr 295	OPNCL	NOR	16 00.5	-53 31	11.2	99.9	432	25
NGC 6071	H III 883	GALXY	UMI	16 01.1	+70 37	14.0	13.6	028	02
PK327- 1.1	He2-143	PLNNB	NOR	16 01.1	-55 06	15.4	99.9	432	25
NGC 6028		GALXY	HER	16 01.4	+19 21	13.5	13.8	155	15
NGC 6026	PK341+13.1	PLNNB	LUP	16 01.4	-34 32	12.5	99.9	374	22
IC 1158	UGC 10133	GALXY	SER	16 01.5	+01 43	12.6	14.0	245	15
NGC 6030	UGC 10139	GALXY	HER	16 01.8	+17 58	12.8	12.5	155	15
SL 7		DRKNB	LUP	16 01.8	-41 52	79.9	79.9	406	22
NGC 6029		GALXY	SER	16 02.0	+12 34	15.5	99.9	200	15
Abell 2147		GALCL	HER	16 02.2	+15 55	13.8	99.9	200	15
Moffat 1		OPNCL	NOR	16 02.4	-54 08	99.9	99.9	432	26
NGC 6038	H III 622	GALXY	CRB	16 02.6	+37 21	13.5	13.6	113	08
NGC 6032	UGC 10148	GALXY	HER	16 03.0	+20 58	13.5	13.4	155	08
NGC 6034		GALXY	HER	16 03.4	+17 12	13.5	13.4	155	15
NGC 6035		GALXY	HER	16 03.4	+20 54	13.5	13.1	155	08
PK340+12.1	Longmore 11	PLNNB	LUP	16 03.4	-36 01	16.0	99.9	374	22
NGC 6025		OPNCL	TRA	16 03.7	-60 30	05.1	99.9	432	25
NGC 6039	NGC 6040B	1STAR	HER	16 04.3	+17 45	14.5	99.9	155	15
NGC 6040	NGC 6040A	GALXY	HER	16 04.3	+17 45	14.5	99.9	155	15
NGC 6037		GALXY	SER	16 04.4	+03 48	14.0	12.9	245	15
NGC 6036	UGC 10163	GALXY	SER	16 04.4	+03 52	13.4	12.3	245	15
NGC 6058	H III 637	PLNNB	HER	16 04.4	+40 41	13.0	99.9	079	08
NGC 6033		GALXY	SER	16 04.4	-02 08	13.7	13.6	245	15
NGC 6041		GALXY	HER	16 04.5	+17 43	13.7	99.9	155	15
NGC 6042		GALXY	HER	16 04.6	+17 42	13.9	13.3	155	15
NGC 6079	H III 884	GALXY	DRA	16 04.6	+69 38	12.7	13.1	028	02
Lynga 6		OPNCL	NOR	16 04.8	-51 55	09.5	99.9	432	25
NGC 6043		GALXY	HER	16 04.9	+17 47	15.5	99.9	155	15
NGC 6046	H III 33	NONEX	HER	16 04.9	+19 21	99.9	99.9	155	15
NGC 6051	IC 4588	GALXY	SER	16 04.9	+23 56	13.1	13.2	155	08
NGC 6044		GALXY	HER	16 05.0	+17 52	14.3	13.0	155	15
Abell 2151	Hercules Galxy Cl	GALCL	HER	16 05.1	+17 43	15.0	99.9	155	15
NGC 6047		GALXY	HER	16 05.1	+17 44	13.5	13.4	155	15
NGC 6045	UGC 10177	GALXY	HER	16 05.1	+17 45	13.9	12.8	155	15
NGC 6052	H III 140	GALXY	HER	16 05.2	+20 32	13.0	12.4	155	08
Abell 2152		GALCL	HER	16 05.3	+16 27	13.8	99.9	200	15
NGC 6050	UGC 10186	GALXY	HER	16 05.3	+17 46	14.7	13.9	155	15
NGC 6054	IC 1179	GALXY	HER	16 05.4	+17 47	15.2	13.7	155	15
NGC 6053	IC 1180	1STAR	HER	16 05.4	+18 08	15.5	99.9	155	15
NGC 6056		GALXY	HER	16 05.5	+17 58	13.9	12.9	155	15
NGC 6055	UGC 10191	GALXY	HER	16 05.5	+18.10	13.7	13.0	155	15
NGC 6057		GALXY	HER	16 05.6	+18 10	14.7	13.4	155	15
NGC 6049		NONEX	SER	16 05.7	+08 06	99.9	99.9	200	15
UGC 10200		GALXY	HER	16 05.7	+41 21	13.6	99.9	079	08
NGC 6060		GALXY	HER	16 05.9	+21 30	13.1	13.8	155	08
NGC 6061	UGC 10199	GALXY	HER	16 06.2	+18 15	13.6	13.3	155	15
NGC 6062	UGC 10202	GALXY	HER	16 06.3	+19 47	13.6	13.5	155	15
NGC 6094	H III 314	GALXY	UMI	16 06.6	+72 30	13.2	14.1	011	02

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Ru 114		OPNCL	NOR	16 06.6	-55 21	99.9	99.9	432	26
NGC 6064		NONEX	HER	16 07.0	+20 33	99.9	99.9	155	08
NGC 6059		NONEX	OPH	16 07.1	-06 25	99.9	99.9	290	15
NGC 6063		GALXY	SER	16 07.2	+07 58	13.1	13.3	200	15
NGC 6065		GALXY	SER	16 07.5	+13 52	15.0	99.9	200	15
NGC 6031		OPNCL	NOR	16 07.6	-54 04	08.5	99.9	432	25
NGC 6066		GALXY	SER	16 07.7	+13 56	15.0	99.9	200	15
NGC 6069		GALXY	CRB	16 07.7	+38 55	15.5	99.9	113	08
NGC 6091		GALXY	UMI	16 07.8	+69 55	14.5	99.9	028	02
PK331+ 0.1	He2-145	PLNNB	NOR	16 09.0	-51 02	99.9	99.9	432	25
Be 149		DRKNB	SCO	16 09.4	-39 08	79.9	79.9	406	22
PK345+15.1	Longmore 13	PLNNB	SCO	16 09.8	-30 54	15.0	99.9	374	22
NGC 6070	H III 553	GALXY	SER	16 10.0	+00 42	11.8	13.7	245	15
NGC 6070A		GALXY	SER	16 10.1	+00 45	15.5	99.9	245	15
NGC 6073	H III 74	GALXY	HER	16 10.1	+16 42	13.5	13.2	200	15
NGC 6070B		GALXY	SER	16 10.2	+00 46	15.5	99.9	245	15
NGC 6088A		GALXY	DRA	16 10.7	+57 28	14.5	99.9	051	02
NGC 6088B		GALXY	DRA	16 10.7	+57 28	14.5	99.9	051	02
NGC 6088	H III 812	GALXY	DRA	16 10.7	+57.28	14.0	99.9	051	03
PK328- 2.1	He2-146	PLNNB	NOR	16 10.7	-54 57	14.2	99.9	432	25
Lynga 7		OPNCL	NOR	16 11.0	-54 58	99.9	99.9	432	26
Pal 14		GLOCL	HER	16 11.1	+14 57	14.8	99.9	200	15
NGC 6076		GALXY	CRB	16 11.1	+26 52	15.5	99.9	155	08
NGC 6077		GALXY	CRB	16 11.1	+26 56	13.3	13.5	155	08
NGC 6095		GALXY	DRA	16 11.1	+61 16	12.6	13.6	028	02
NGC 6074		GALXY	HER	16 11.4	+14 15	15.5	99.9	200	15
NGC 6075		GALXY	HER	16 11.4	+23 57	15.5	99.9	155	08
NGC 6090		GALXY	DRA	16 11.6	+52 27	14.0	99.9	051	02
IC 4592		BRTNB	SCO	16 12.0	-19 28	99.9	99.9	335	15
NGC 6078		GALXY	HER	16 12.1	+14 12	14.5	99.9	200	15
IC 4593	PK25+40.1	PLNNB	HER	16 12.2	+12 04	11.0	99.9	200	15
NGC 6085	UGC 10269	GALXY	CRB	16 12.5	+29 22	13.0	13.6	113	08
NGC 6086		GALXY	CRB	16 12.5	+29 22	12.8	13.5	113	08
Abell 2162		GALCL	CRB	16 12.5	+29 32	13.7	99.9	113	08
NGC 6092		GALXY	CRB	16 12.7	+27 58	13.2	13.8	155	08
NGC 6089	H III 889	GALXY	CRB	16 12.7	+33 02	15.0	99.9	113	08
Ru 115		OPNCL	NOR	16 12.9	-51 53	99.9	99.9	432	26
NGC 6080		GALXY	SER	16 13.0	+02 10	14.0	99.9	245	15
NGC 6081	IC 1202	GALXY	HER	16 13.0	+09 52	13.1	13.0	200	15
NGC 6072	PK342+0.1	PLNNB	SCO	16 13.0	-36 14	14.0	99.9	374	22
NGC 6067		OPNCL	NOR	16 13.2	-54 13	05.6	99.9	432	25
NGC 6083		GALXY	HER	16 13.3	+14 10	15.0	99.9	200	15
PK343+11.1	Haro 1-1	PLNNB	SCO	16 13.5	-34 36	14.0	99.9	374	22
Pismis 22		OPNCL	NOR	16 13.5	-50 20	99.9	99.9	432	26
NGC 6084		GALXY	HER	16 14.2	+17 45	13.9	13.1	155	15
SL 8		DRKNB	NOR	16 14.2	-44 04	79.9	79.9	406	22
PK329- 2.1		PLNNB	NOR	16 14.2	-54 48	99.9	99.9	432	25
NGC 6097		GALXY	CRB	16 14.3	+35 06	15.0	99.9	113	08
UGC 10288		GALXY	SER	16 14.4	-00 13	13.3	14.2	245	15

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UGC 10290		GALXY	SER	16 14.5	+00 49	13.3	14.4	245	15
PK329- 2.2	Menzel 2,VV 78	PLNNB	NOR	16 14.5	-54 57	11.9	99.9	432	25
NGC 6096		GALXY	CRB	16 14.7	+26 34	14.2	13.1	155	08
B 40		DRKNB	SCO	16 14.7	-18 59	79.9	79.9	335	15
Ru 176		OPNCL	NOR	16 14.9	-50 55	99.9	99.9	432	26
PK333+ 1.1	He2-152	PLNNB	NOR	16 15.3	-49 14	13.7	99.9	406	22
NGC 6111		GALXY	DRA	16 15.5	+62 44	14.0	99.9	029	02
NGC 6098	UGC 10299	GALXY	HER	16 15.6	+19 27	14.5	99.9	155	15
NGC 6099		GALXY	HER	16 15.6	+19 27	14.5	99.9	155	15
NGC 6102		GALXY	CRB	16 15.6	+28 09	13.8	13.6	113	08
NGC 6082		NONEX	SCO	16 15.6	-34 15	99.9	99.9	374	22
NGC 6103	H III 888	GALXY	CRB	16 15.7	+31 57	13.8	12.5	113	08
PK326- 6.1		PLNNB	NOR	16 15.7	-59 54	99.9	99.9	432	25
NGC 6104	H III 688	GALXY	CRB	16 16.5	+35 42	13.2	12.5	113	08
NGC 6100		GALXY	SER	16 17.0	+00 48	13.0	13.7	246	15
NGC 6105		GALXY	CRB	16 17.0	+34 52	14.3	12.8	113	08
NGC 6093	M 80	GLOCL	SCO	16 17.0	-22 59	07.2	99.9	336	22
RCW 103		SNREM	NOR	16 17.1	-51 07	99.9	99.9	432	25
NGC 6107	UGC 10311	GALXY	CRB	16 17.2	+34 53	13.8	13.2	113	08
NGC 6123		GALXY	DRA	16 17.2	+61 56	13.8	12.0	029	02
PK331- 1.1	Menzel 3	PLNNB	NOR	16 17.2	-51 59	13.8	99.9	432	25
PK330- 2.1	He2-153	PLNNB	NOR	16 17.2	-53 32	14.1	99.9	432	25
NGC 6108		GALXY	CRB	16 17.3	+35 07	14.3	13.0	113	08
NGC 6109		GALXY	CRB	16 17.5	+35 00	12.7	12.7	113	08
NGC 6110		GALXY	CRB	16 17.6	+35 05	15.5	99.9	113	08
RCW 102		BRTNB	NOR	16 17.8	-51 55	99.9	99.9	432	25
NGC 6112		GALXY	CRB	16 17.9	+35 06	13.9	12.4	113	08
NGC 6114		GALXY	CRB	16 18.3	+35 10	14.2	13.1	113	08
Cr 299		OPNCL	NOR	16 18.4	-55 07	06.9	99.9	432	25
NGC 6106	H II 151	GALXY	HER	16 18.8	+07 24	12.2	13.4	201	15
NGC 6116		GALXY	CRB	16 18.8	+35 09	14.3	13.7	113	08
NGC 6125	H II 810	NONEX	DRA	16 18.9	+57 36	99.9	99.9	051	02
NGC 6087		OPNCL	NOR	16 18.9	-57 54	05.4	99.9	432	25
NGC 6135		NONEX	DRA	16 19.0	+64 54	99.9	99.9	029	02
NGC 6113		GALXY	HER	16 19.2	+14 07	15.0	99.9	201	15
NGC 6127		GALXY	DRA	16 19.2	+57 58	12.0	12.7	051	02
NGC 6117A		GALXY	CRB	16 19.3	+37 05	14.5	99.9	113	08
NGC 6128		NONEX	DRA	16 19.3	+57 59	99.9	99.9	051	02
NGC 6117B		GALXY	CRB	16 19.4	+37 05	15.0	99.9	113	08
IC 4599	PK321+5.1	PLNNB	SCO	16 19.4	-42 16	12.3	99.9	406	22
NGC 6130		GALXY	DRA	16 19.5	+57 37	13.5	13.0	051	02
NGC 6119		GALXY	CRB	16 19.7	+37 48	15.5	99.9	113	08
NGC 6120	H III 623	GALXY	CRB	16 19.8	+37 46	13.8	12.2	113	08
Lynga 8		OPNCL	NOR	16 19.9	-50 01	99.9	99.9	432	26
Harvard 10		OPNCL	NOR	16 19.9	-54 59	99.9	99.9	432	25
IC 4601		BRTNB	SCO	16 20.0	-20 02	99.9	99.9	336	22
NGC 6133		NONEX	DRA	16 20.1	+56 40	99.9	99.9	051	02
NGC 6122		GALXY	CRB	16 20.2	+37 48	15.0	99.9	114	08
Lynga 9		OPNCL	NOR	16 20.7	-47 41	99.9	99.9	406	22

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NGC 6136		GALXY	DRA	16 20.8	+55 57	15.5	99.9	051	02
RCW 106		BRTNB	NOR	16 20.8	-50 55	99.9	99.9	432	25
NGC 6140	H III 740	GALXY	DRA	16 21.0	+65 23	11.3	14.8	029	02
PK 13+32.1	Shane 1	PLNNB	SER	16 21.1	+00 17	12.8	99.9	246	15
Sh2- 9		BRTNB	SCO	16 21.1	-25 35	99.9	99.9	336	22
NGC 6126		GALXY	CRB	16 21.4	+36 23	13.6	13.1	114	08
NGC 6129	H III 891	GALXY	CRB	16 21.8	+37 59	14.5	99.9	114	08
NGC 6143	H II 811	GALXY	DRA	16 21.8	+55 05	13.1	12.9	051	02
NGC 6118	H II 402	GALXY	SER	16 21.9	-02 17	11.7	13.9	246	15
NGC 6131B		GALXY	CRB	16 22.0	+38 54	15.0	99.9	114	08
NGC 6131A		GALXY	CRB	16 22.0	+38 56	14.0	99.9	114	08
B 41,43		DRKNB	SCO	16 22.0	-19 40	79.9	79.9	336	15
PK331- 2.1		PLNNB	NOR	16 22.2	-53 41	99.9	99.9	432	25
NGC 6137A	H III 624	GALXY	CRB	16 23.1	+37 56	14.0	99.9	114	08
NGC 6137B		GALXY	CRB	16 23.1	+37 59	15.0	99.9	114	08
PK346+12.1	Abell 38	PLNNB	SCO	16 23.3	-31 45	15.0	99.9	375	22
NGC 6142	H III 892	GALXY	CRB	16 23.4	+37 16	13.8	13.6	114	08
PK327- 6.1		PLNNB	NOR	16 23.5	-58 19	99.9	99.9	432	25
NGC 6121	M 4	GLOCL	SCO	16 23.6	-26 32	05.9	99.9	336	22
Ru 116		OPNCL	NOR	16 23.6	-52 00	99.9	99.9	432	25
NGC 6132		GALXY	HER	16 23.7	+11 48	13.6	13.1	201	15
PK336+ 1.1	Perek 1-6	PLNNB	NOR	16 23.9	-46 42	16.1	99.9	406	22
Ru 117		OPNCL	NOR	16 23.9	-50 21	99.9	99.9	432	26
Pismis 23		OPNCL	NOR	16 24.0	-47 19	99.9	99.9	406	22
RCW 104		BRTNB	NOR	16 24.0	-51 31	99.9	99.9	432	25
PK330- 3.1	He2-159	PLNNB	NOR	16 24.3	-54 36	13.9	99.9	432	25
NGC 6115		OPNCL	NOR	16 24.4	-51 57	99.9	99.9	432	25
Ru 118		OPNCL	NOR	16 24.6	-51 58	09.8	99.9	432	25
PK331- 2.2		PLNNB	NOR	16 24.6	-53 23	13.7	99.9	432	25
NGC 6138		GALXY	HER	16 24.9	+41 02	15.0	99.9	080	08
NGC 6147		GALXY	HER	16 25.0	+40 54	17.0	99.9	080	08
NGC 6145		GALXY	HER	16 25.0	+40 56	15.0	99.9	080	08
NGC 6141		GALXY	HER	16 25.1	+40 55	16.0	99.9	080	08
NGC 6146	H III 638	GALXY	HER	16 25.2	+40 53	12.5	12.7	080	08
NGC 6154	H III 680	GALXY	HER	16 25.6	+49 51	12.7	14.1	080	08
IC 4604		BRTNB	OPH	16 25.6	-23 26	99.9	99.9	336	22
IC 4603		BRTNB	OPH	16 25.6	-24 28	99.9	99.9	336	22
NGC 6124	Dunlop 514	OPNCL	SCO	16 25.6	-40 40	05.8	99.9	407	22
NGC 6150B		GALXY	HER	16 25.7	+40 27	15.0	99.9	080	08
NGC 6157		GALXY	DRA	16 25.7	+55 22	15.5	99.9	051	02
NGC 6150	H III 639	GALXY	HER	16 25.8	+40 30	14.0	99.9	080	08
NGC 6101		GLOCL	APS	16 25.8	-72 12	09.3	99.9	454	25
Cr 302		OPNCL	SCO	16 26.0	-26 00	01	99.9	336	22
NGC 6155	H II 690	GALXY	HER	16 26.1	+48 22	12.2	12.3	080	08
Grasdalen 1		OPNCL	OPH	16 26.2	-23 47	99.9	99.9	336	22
NGC 6170		NONEX	DRA	16 27.0	+59 35	99.9	99.9	051	02
NGC 6148		GALXY	HER	16 27.1	+24 05	99.9	99.9	156	08
NGC 6144	H VI 10	GLOCL	SCO	16 27.3	-26 02	09.1	99.9	336	22
NGC 6149		GALXY	HER	16 27.4	+19 36	13.5	13.2	156	15

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DoDz 5		OPNCL	HER	16 27.4	+38 04	99.9	99.9	114	08
NGC 6159		GALXY	HER	16 27.4	+42 41	14.2	14.2	080	08
PK 47+42.1	Abell 39	PLNNB	HER	16 27.5	+27 54	12.9	99.9	156	08
NGC 6176		GALXY	DRA	16 27.5	+59 35	15.0	99.9	051	02
NGC 6160	H II 652	GALXY	HER	16 27.6	+40 56	13.2	14.3	080	08
Abell 2197		GALCL	HER	16 27.7	+40 55	14.0	99.9	080	08
NGC 6139		GLOCL	SCO	16 27.7	-38 51	09.2	99.9	375	22
NGC 6134		OPNCL	NOR	16 27.7	-49 04	07.2	99.9	407	22
NGC 6158	H II 647	GALXY	HER	16 27.8	+39 24	13.7	99.9	080	08
PK331- 3.1		PLNNB	NOR	16 27.9	-54 02	99.9	99.9	432	25
NGC 6161		GALXY	HER	16 28.3	+32 49	14.6	13.1	114	08
NGC 6162	UGC 10353	GALXY	HER	16 28.3	+32 52	13.6	13.0	114	08
Ru 119		OPNCL	NOR	16 28.3	-51 31	08.8	99.9	432	25
NGC 6163		GALXY	HER	16 28.4	+32 52	14.3	12.4	114	08
NGC 6166C		GALXY	HER	16 28.5	+39 35	99.9	99.9	080	08
Abell 2199		GALCL	HER	16 28.6	+39 31	13.0	99.9	080	08
NGC 6166A		GALXY	HER	16 28.6	+39 32	99.9	99.9	080	08
NGC 6166D		GALXY	HER	16 28.6	+39 34	99.9	99.9	080	08
NGC 6166	H II 875	GALXY	HER	16 28.7	+39 34	11.8	12.9	080	08
Ter 3		GLOCL	SCO	16 28.7	-35 22	99.9	99.9	375	22
NGC 6166B		GALXY	HER	16 29.0	+39 34	99.9	99.9	080	08
vdB 107	Ced 132	BRTNB	SCO	16 29.2	-26 27	99.9	99.9	336	22
Hogg 19		OPNCL	NOR	16 29.2	-49 06	99.9	99.9	407	22
NGC 6182	H III 813	GALXY	DRA	16 29.5	+55 31	13.5	13.4	051	02
PK327- 7.1	He2-163	PLNNB	NOR	16 29.6	-59 09	13.9	99.9	432	25
NGC 6173	H III 640	GALXY	HER	16 29.7	+40 49	12.1	13.2	080	08
NGC 6174		GALXY	HER	16 29.7	+40 51	15.0	99.9	080	08
NGC 6175	H III 641	GALXY	HER	16 29.9	+40 39	15.0	99.9	080	08
PK332- 3.1	He2-164	PLNNB	NOR	16 29.9	-53 23	13.7	99.9	432	25
PK331- 3.2	He2-165	PLNNB	NOR	16 30.0	-54 10	13.7	99.9	432	25
IC 4605		BRTNB	SCO	16 30.2	-25 06	99.9	99.9	336	22
NGC 6180		GALXY	HER	16 30.5	+40 34	14.1	99.9	080	08
PK337+ 1.1		PLNNB	NOR	16 30.5	-46 03	99.9	99.9	407	22
NGC 6177	H III 890	GALXY	HER	16 30.6	+35 04	13.6	14.2	114	08
NGC 6179		GALXY	HER	16 30.7	+35 07	15.5	99.9	114	08
NGC 6168		GALXY	HER	16 31.4	+20 12	14.3	13.3	156	08
NGC 6184		GALXY	HER	16 31.5	+40 35	15.0	99.9	080	08
NGC 6153	PK341+5.1	PLNNB	SCO	16 31.5	-40 15	11.5	99.9	407	22
NGC 6187		GALXY	DRA	16 31.6	+57 43	15.0	99.9	052	02
NGC 6189		GALXY	DRA	16 31.6	+59 39	12.7	13.1	052	02
NGC 6190		GALXY	DRA	16 32.0	+58 27	12.6	13.1	052	02
NGC 6191		NONEX	DRA	16 32.0	+58 48	99.9	99.9	052	02
NGC 6172	UGC 10352	GALXY	OPH	16 22.2	-01 31	12.8	12.8	246	15
NGC 6181	H II 753	GALXY	HER	16 32.4	+19 50	11.9	12.8	156	15
NGC 6252	H III 975	GALXY	UMI	16 32.5	+82 36	15.0	99.9	011	02
NGC 6171	M 107	GLOCL	OPH	16 32.5	-13 03	08.1	99.9	291	15
NGC 6217	H I 280	GALXY	UMI	16 32.6	+78 12	11.2	13.2	011	02
NGC 6251	H III 974	GALXY	UMI	16 32.6	+82 33	12.6	13.7	011	02
NGC 6152		OPNCL	NOR	16 32.7	-52 37	08.1	99.9	433	25

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NGC 6185		GALXY	HER	16 33.2	+35 20	13.3	13.3	114	08
NGC 6164	PK336-0.1	PLNNB	NOR	16 34.0	-48 06	99.9	99.9	407	22
NGC 6165	PK336-0.1	PLNNB	NOR	16 34.0	-48 06	99.9	99.9	407	22
PK346+ 8.1		PLNNB	SCO	16 34.1	-35 05	99.9	99.9	375	22
NGC 6169		OPNCL	NOR	16 34.1	-44 03	06.6	99.9	407	22
PK335- 1.1	He2-169	PLNNB	NOR	16 34.3	-49 21	17.4	99.9	407	22
NGC 6186		GALXY	HER	16 34.4	+21 33	12.9	13.4	156	08
NGC 6167		OPNCL	NOR	16 34.4	-49 36	06.7	99.9	407	22
NGC 6156		GALXY	TRA	16 34.8	-60 36	11.6	12.3	433	25
Cr 307		OPNCL	ARA	16 35.2	-50 58	09.2	99.9	433	25
PK332- 4.1		PLNNB	NOR	16 35.4	-53 50	99.9	99.9	433	25
NGC 6198		GALXY	DRA	16 35.5	+57 31	13.6	13.2	052	02
NGC 6178		OPNCL	SCO	16 35.7	-45 38	07.2	99.9	407	22
Ru 120		OPNCL	ARA	16 35.9	-47 54	99.9	99.9	407	22
NGC 6202		NONEX	DRA	16 36.2	+61 57	99.9	99.9	029	02
Do 27		OPNCL	OPH	16 36.5	-08 57	99.9	99.9	291	15
NGC 6194		GALXY	HER	16 36.6	+36 11	14.5	99.9	114	08
NGC 6195	H III 893	GALXY	HER	16 36.6	+39 02	13.0	13.4	080	08
NGC 6196	IC 4615	GALXY	HER	16 37.4	+36 06	12.9	13.7	114	08
NGC 6197	IC 4616	GALXY	HER	16 37.5	+36 02	15.5	99.9	114	08
B231	SL 24	DRKNB	SCO	16 37.5	-35 12	79.9	79.9	375	22
B 42,44-7		DRKNB	OPH	16 38.0	-24 06	79.9	79.9	336	22
PK331- 5.1		PLNNB	NOR	16 38.0	-55 45	99.9	99.9	433	25
UGC 10491		GALXY	HER	16 38.3	+41 56	13.7	99.9	080	08
NGC 6151		UVSOB	APS	16 38.3	-73 15	99.9	99.9	468	25
Lynga 11		OPNCL	ARA	16 38.6	-45 53	99.9	99.9	407	22
NGC 6199		1STAR	HER	16 39.0	+36 06	15.5	99.9	114	08
NGC 6214		GALXY	DRA	16 39.5	+66 01	14.5	99.9	029	02
PK345+ 6.1	He2-175	PLNNB	SCO	16 39.5	-36 35	15.0	99.9	375	22
NGC 6206		GALXY	DRA	16 40.1	+58 38	13.6	12.7	052	02
NGC 6201		GALXY	HER	16 40.2	+23 45	15.5	99.9	156	08
NGC 6192		OPNCL	SCO	16 40.3	-43 22	08.5	99.9	407	22
NGC 6203		GALXY	HER	16 40.4	+23 46	15.5	99.9	156	08
NGC 6193		OPNCL	ARA	16 41.3	-48 46	05.2	99.9	407	22
NGC 6211	UGC 10516	GALXY	DRA	16 41.4	+57 47	12.6	13.3	052	02
NGC 6213		GALXY	DRA	16 41.5	+57 50	15.0	99.9	052	02
NGC 6183		GALXY	TRA	16 41.6	-69 23	99.9	99.9	454	25
PK352+11.1		PLNNB	HER	16 41.7	+27 47	99.9	99.9	156	08
NGC 6205	M 13	GLOCL	HER	16 41.7	+36 28	05.9	99.9	114	08
NGC 6188		BRTNB	ARA	16 41.8	-48 06	99.9	99.9	407	22
PK344+ 4.1		PLNNB	SCO	16 42.6	-38 55	12.0	99.9	375	22
Ru 121		OPNCL	ARA	16 42.6	-46 01	99.9	99.9	407	22
3C 345		QUASR	HER	16 43.0	+38 48	15.0	99.9	114	08
NGC 6207	H II 701	GALXY	HER	16 43.1	+36 50	11.6	12.9	114	08
NGC 6223		GALXY	DRA	16 43.1	+61 34	11.9	14.1	029	02
NGC 6212		GALXY	HER	16 43.3	+39 48	14.1	12.6	080	08
NGC 6232		GALXY	DRA	16 43.3	+70 38	12.5	13.4	029	02
NGC 6226		GALXY	DRA	16 43.5	+61 58	14.0	99.9	029	02
PK 0+17.1	PC 12	PLNNB	OPH	16 43.8	-18 57	13.4	99.9	336	15

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B233	SL 25	DRKNB	SCO	16 44.1	-35 21	79.9	79.9	375	22
NGC 6200		OPNCL	ARA	16 44.2	-47 29	07.4	99.9	407	22
NGC 6210	PK43+37.1	PLNNB	HER	16 44.5	+23 49	09.7	99.9	156	08
NGC 6236		GALXY	DRA	16 44.6	+70 47	11.9	13.5	029	02
PK326-10.1		PLNNB	ARA	16 44.6	-62 37	99.9	99.9	454	25
B 44a	SL 18	DRKNB	SCO	16 44.8	-40 23	79.9	79.9	407	22
Hogg 20		OPNCL	ARA	16 45.0	-46 37	99.9	99.9	407	22
DoDz 6		OPNCL	HER	16 45.3	+38 17	99.9	99.9	114	08
NGC 6245		GALXY	DRA	16 45.5	+70 48	99.9	99.9	029	02
DoDz 6		OPNCL	HER	16 46.0	+38 17	99.9	99.9	114	08
NGC 6219		GALXY	HER	16 46.3	+09 02	15.0	99.9	201	15
NGC 6237		GALXY	DRA	16 46.5	+70 23	99.9	99.9	029	02
Hogg 21		OPNCL	ARA	16 46.5	-46 25	99.9	99.9	407	22
NGC 6204		OPNCL	ARA	16 46.5	-47 01	08.2	99.9	407	22
Lynga 12		OPNCL	ARA	16 46.5	-49 23	99.9	99.9	407	22
NGC 6248		GALXY	DRA	16 46.6	+70 24	13.1	14.4	029	02
B235	SL 15	DRKNB	SCO	16 46.6	-44 30	79.9	79.9	407	22
PK345+ 4.1		PLNNB	SCO	16 46.7	-38 38	13.6	99.9	375	22
Hogg 22		OPNCL	ARA	16 46.7	-47 06	06.7	99.9	407	22
NGC 6229	H IV 50	GLOCL	HER	16 47.0	+47 32	09.4	99.9	080	08
NGC 6220	UGC 10541	GALXY	OPH	16 47.2	+00 11	13.7	13.9	246	15
NGC 6238		GALXY	DRA	16 47.2	+62 08	14.5	99.9	029	02
NGC 6218	M 12	GLOCL	OPH	16 47.2	-01 57	06.6	99.9	246	15
vdB-Ha 197		OPNCL	SCO	16 47.5	-44 21	99.9	99.9	407	22
Uncataloged		DRKNB	OPH	16 47.8	-12 05	79.9	79.9	291	15
NGC 6228	UGC 10558	GALXY	HER	16 48.0	+26 12	13.9	13.3	156	08
Zwicky's triplet		GALXY	HER	16 48.0	+45 04	14.4	99.9	080	08
NGC 6244	UGC 10568	GALXY	DRA	16 48.1	+62 11	13.5	12.7	029	02
NGC 6224	UGC 10555	GALXY	HER	16 48.2	+06 18	13.5	13.1	202	15
NGC 6247		GALXY	DRA	16 48.2	+62 58	13.5	99.9	029	02
NGC 6225	UGC 10556	GALXY	HER	16 48.3	+06 13	13.8	12.9	202	15
PK359+15.1	Abell 40	PLNNB	OPH	16 48.6	-21 01	16.8	99.9	337	22
PK347+ 5.1		PLNNB	SCO	16 48.9	-35 47	99.9	99.9	375	22
Westr 1		OPNCL	SCO	16 48.9	-44 20	99.9	99.9	407	22
NGC 6216		OPNCL	SCO	16 49.4	-44 44	10.1	99.9	407	22
PK344+ 3.1		PLNNB	SCO	16 49.5	-39 20	14.7	99.9	407	22
NGC 6208		OPNCL	ARA	16 49.5	-53 49	07.2	99.9	433	25
NGC 6246A		GALXY	DRA	16 49.9	+55 32	13.4	14.9	052	02
Lynga 13		OPNCL	SCO	16 50.0	-42 44	99.9	99.9	407	22
NGC 6233	UGC 10573	GALXY	HER	16 50.1	+23 34	13.3	13.5	157	08
NGC 6239	H III 727	GALXY	HER	16 50.1	+42 43	12.4	13.5	080	08
NGC 6241	H III 735	GALXY	HER	16 50.1	+45 24	15.0	99.9	080	08
NGC 6246		GALXY	DRA	16 50.2	+55 22	13.6	13.4	052	02
PK351+ 9.1		PLNNB	SCO	16 50.3	-30 18	99.9	99.9	375	22
PK345+ 3.1		PLNNB	SCO	16 50.4	-39 08	14.6	99.9	407	22
NGC 6230		GALXY	HER	16 50.6	+04 35	15.5	99.9	247	15
PK344+ 2.1		PLNNB	SCO	16 50.7	-40 03	14.8	99.9	407	22
vdB-Ha 200		OPNCL	SCO	16 50.7	-43 57	99.9	99.9	407	22
NGC 6222		OPNCL	SCO	16 50.7	-44 45	10.0	99.9	407	22

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NGC 6215		GALXY	ARA	16 51.1	-59 01	11.5	12.8	433	25
NGC 6227		NONEX	SCO	16 51.6	-41 13	99.9	99.9	407	22
NGC 6260		GALXY	DRA	16 51.8	+63 43	15.0	99.9	029	02
NGC 6234		GALXY	OPH	16 51.9	+04 23	15.5	99.9	247	15
NGC 6258		GALXY	DRA	16 52.3	+60 33	13.4	12.9	052	02
NGC 6243	UGC 10591	GALXY	HER	16 52.5	+23 21	14.1	13.1	157	08
NGC 6215A		GALXY	ARA	16 52.6	-58 55	13.4	13.0	433	25
NGC 6221		GALXY	ARA	16 52.9	-59 12	09.9	12.1	433	25
SL 17		DRKNB	SCO	16 53.0	-43 35	79.9	79.9	407	22
NGC 6240	IC 4625	GALXY	OPH	16 53.1	+02 25	12.9	13.7	247	15
NGC 6235	H II 584	GLOCL	OPH	16 53.4	-22 11	10.2	99.9	337	22
PK342+ 0.1	Haro 1-3	PLNNB	SCO	16 53.5	-42 39	13.9	99.9	407	22
NGC 6262		NONEX	DRA	16 53.6	+56 56	99.9	99.9	052	02
PK351+ 7.1		PLNNB	SCO	16 53.6	-31 41	99.9	99.9	375	22
NGC 6231	Dunlop 520	OPNCL	SCO	16 54.0	-41 48	02.6	99.9	407	22
PK345+ 3.2		PLNNB	SCO	16 54.2	-38 45	99.9	99.9	375	22
PK325-12.1		PLNNB	ARA	16 54.6	-64 14	99.9	99.9	454	25
NGC 6255	H III 689	GALXY	HER	16 54.8	+36 31	12.7	14.4	114	08
NGC 6209		GALXY	APS	16 55.1	-72 32	99.9	99.9	468	25
Lynga 14		OPNCL	SCO	16 55.2	-45 19	09.7	99.9	407	22
NGC 6275		GALXY	DRA	16 55.4	+63 16	14.2	99.9	029	02
Cr 316		OPNCL	SCO	16 55.5	-40 50	03.4	99.9	407	22
NGC 6242		OPNCL	SCO	16 55.6	-39 30	06.4	99.9	407	22
NGC 6257		GALXY	HER	16 56.0	+39 39	15.5	99.9	080	08
vdB-Ha 202		OPNCL	SCO	16 56.0	-39 13	99.9	99.9	407	22
NGC 6261		GALXY	HER	16 56.5	+28 00	14.0	13.1	114	08
NGC 6263	UGC 10618	GALXY	HER	16 56.7	+27 50	13.7	13.4	157	08
vdB-Ha 205		OPNCL	SCO	16 56.9	-39 30	99.9	99.9	407	22
IC 4628		BRTNB	SCO	16 57.0	-40 20	99.9	99.9	407	22
Tr 24	Harvard 12	OPNCL	SCO	16 57.0	-40 40	08.6	99.9	407	22
NGC 6254	M 10	GLOCL	OPH	16 57.1	-04 06	06.6	99.9	247	15
B 46	LDN 1775	DRKNB	OPH	16 57.2	-22 44	79.9	79.9	337	22
NGC 6264		GALXY	HER	16 57.3	+27 52	14.4	13.0	157	08
PK344+ 0.1	Haro 1-5	PLNNB	SCO	16 57.4	-41 38	15.3	99.9	407	22
NGC 6265	UGC 10624	GALXY	HER	16 57.5	+27 51	14.2	13.1	157	08
NGC 6288		GALXY	DRA	16 57.5	+68 27	15.5	99.9	029	02
NGC 6249		OPNCL	SCO	16 57.6	-44 47	08.2	99.9	407	22
NGC 6289		GALXY	DRA	16 57.8	+68 31	15.5	99.9	029	02
NGC 6269	UGC 10629	GALXY	HER	16 58.0	+27 52	12.2	13.4	157	08
NGC 6250		OPNCL	ARA	16 58.0	-45 48	05.9	99.9	407	22
NGC 6267	H III 123	GALXY	HER	16 58.2	+22 59	13.1	13.2	157	08
NGC 6285		GALXY	DRA	16 58.4	+58 59	13.5	13.3	052	02
NGC 6286		GALXY	DRA	16 58.6	+58 58	13.3	13.6	052	02
NGC 6270		GALXY	HER	16 58.7	+27 38	15.0	99.9	157	08
NGC 6271		GALXY	HER	16 58.8	+27 59	14.0	13.5	157	08
NGC 6272		GALXY	HER	16 58.9	+27 56	14.4	99.9	157	08
NGC 6279		GALXY	HER	16 59.0	+47 14	13.6	13.6	080	08
NGC 6253		OPNCL	ARA	16 59.1	-52 43	10.2	99.9	433	25
NGC 6274		GALXY	HER	16 59.4	+29 57	14.5	99.9	114	08

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NGC 6283	H III 728	GALXY	HER	16 59.4	+49 56	13.5	99.9	080	08
NGC 6256	Pal 15	GLOCL	SCO	16 59.5	-37 07	99.9	99.9	375	22
PK336- 5.1	He2-186	PLNNB	ARA	16 59.6	-51 42	13.3	99.9	433	25
Pal 15		GLOCL	OPH	16 59.9	-00 32	14.2	99.9	247	15
NGC 6276		GALXY	HER	17 00.3	+23 07	99.9	99.9	157	08
vdB-Ha 208		OPNCL	SCO	17 00.5	-37 02	99.9	99.9	376	22
NGC 6259		OPNCL	SCO	17 00.7	-44 40	08	99.9	407	22
NGC 6277		GALXY	HER	17 00.8	+23 03	15.0	99.9	157	08
NGC 6282		GALXY	HER	17 00.8	+29 50	14.1	99.9	115	08
NGC 6278	H III 124	GALXY	HER	17 00.9	+23 01	12.4	13.3	157	08
NGC 6291		GALXY	DRA	17 00.9	+58 58	15.0	99.9	052	03
NGC 6290	UGC 10665	GALXY	DRA	17 00.9	+59 00	13.5	13.4	052	03
B 48	SL 20	DRKNB	SCO	17 01.0	-40 47	79.9	79.9	407	22
PK349+ 4.1		PLNNB	SCO	17 01.1	-34 40	99.9	99.9	376	22
NGC 6266	M 62	GLOCL	OPH	17 01.2	-30 07	06.6	99.9	376	22
PK321-16.1	He2-185	PLNNB	TRA	17 01.3	-70 07	99.9	99.9	454	26
IC 4634	PK0+12.1	PLNNB	OPH	17 01.6	-21 50	12.0	99.9	337	22
PK337- 5.1		PLNNB	ARA	17 01.7	-50 24	99.9	99.9	433	26
NGC 6280		GALXY	OPH	17 01.9	+06 40	15.5	99.9	202	15
PK351+ 5.1	M2-5	PLNNB	SCO	17 02.3	-33 10	13.0	99.9	376	22
NGC 6268		OPNCL	SCO	17 02.4	-39 44	09.5	99.9	407	22
NGC 6273	M 19	GLOCL	OPH	17 02.6	-26 16	07.2	99.9	337	22
NGC 6292		GALXY	DRA	17 03.0	+61 03	13.5	13.6	029	03
B 50	SL 30	DRKNB	SCO	17 03.0	-34 26	79.9	79.9	376	22
NGC 6295		GALXY	DRA	17 03.1	+60 20	15.0	99.9	052	03
NGC 6298		GALXY	DRA	17 03.1	+62 04	99.9	99.9	029	03
vdB-Ha 211		OPNCL	SCO	17 03.1	-41 04	99.9	99.9	407	22
NGC 6331	H III 951	GALXY	UMI	17 03.5	+78 38	15.5	99.9	011	03
NGC 6297		GALXY	DRA	17 03.6	+62 02	13.6	12.3	029	03
PK351+ 4.1		PLNNB	SCO	17 03.8	-33 30	13.2	99.9	376	22
vdBH 81		BRTNB	ARA	17 04.0	-51 05	99.9	99.9	433	26
PK353+ 6.2	M2-6	PLNNB	SCO	17 04.3	-30 53	14.7	99.9	376	22
NGC 6284	H VI 11	GLOCL	OPH	17 04.5	-24 46	09	99.9	337	22
PK350+ 4.1	Haro 2-1	PLNNB	SCO	17 04.6	-33 59	14.0	99.9	376	22
NGC 6281		OPNCL	SCO	17 04.8	-37 54	05.4	99.9	376	22
NGC 6299		GALXY	DRA	17 05.0	+62 27	15.0	99.9	029	03
NGC 6303	UGC 10711	GALXY	DRA	17 05.1	+68 49	13.7	13.8	029	03
NGC 6287	H II 195	GLOCL	OPH	17 05.2	-22 42	09.2	99.9	337	22
PK353+ 6.1	M2-7	PLNNB	SCO	17 05.2	-30 32	14.4	99.9	376	22
PK347+ 1.1		PLNNB	SCO	17 05.2	-37 53	14.8	99.9	376	22
IC 4637	PK345+0.1	PLNNB	SCO	17 05.2	-40 53	13.5	99.9	407	22
NGC 6324	H III 945	GALXY	UMI	17 05.4	+75 25	12.8	11.9	011	03
Harvard 13		OPNCL	ARA	17 05.4	-48 11	99.9	99.9	407	22
PK352+ 5.1	M2-8	PLNNB	SCO	17 05.5	-32 32	14.7	99.9	376	22
vdB-Ha 214		OPNCL	SCO	17 05.6	-35 28	99.9	99.9	376	22
PK343- 1.1		PLNNB	SCO	17 05.6	-43 56	99.9	99.9	407	22
PK 10+18.2	M2-9	PLNNB	OPH	17 05.7	-10 09	14.6	99.9	292	15
PK358+ 9.1		PLNNB	OPH	17 05.8	-25 24	99.9	99.9	337	22
B 53	SL 32	DRKNB	SCO	17 06.1	-33 15	79.9	79.9	376	22

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PK336- 6.1	Peimbert 14	PLNNB	ARA	17 06.3	-52 27	12.6	99.9	433	26
PK342- 2.1	He2-198	PLNNB	SCO	17 06.4	-44 13	13.0	99.9	407	22
PK344- 1.1	Haro 1-6	PLNNB	SCO	17 07.0	-42 41	14.5	99.9	407	22
B 55-6	LDN 1682	DRKNB	SCO	17 07.5	-23 00	79.9	79.9	337	22
NGC 6306	UGC 10724	GALXY	DRA	17 07.6	+60 44	13.7	12.3	052	03
NGC 6307		GALXY	DRA	17 07.6	+60 45	12.9	13.1	052	03
NGC 6310		GALXY	DRA	17 07.9	+60 59	13.1	12.8	052	03
UGC 10736		GALXY	DRA	17 08.1	+69 28	13.9	14.9	029	03
B 57	LDN 11	DRKNB	OPH	17 08.3	-22 50	79.9	79.9	337	22
NGC 6301	IC 4643,H IV 57	GALXY	HER	17 08.6	+42 20	13.4	14.5	080	08
NGC 6296	UGC 10719	GALXY	OPH	17 08.7	+03 53	13.4	12.9	247	15
NGC 6317		GALXY	DRA	17 09.3	+62 53	16.0	99.9	029	03
PK345- 0.1	Haro 2-3	BRTNB	SCO	17 09.5	-41 36	99.9	99.9	407	22
NGC 6319	UGC 10744	GALXY	DRA	17 09.6	+62 59	14.5	99.9	029	03
B244	LDN 1736	DRKNB	OPH	17 10.1	-28 24	79.9	79.9	376	22
NGC 6293	H VI 12	GLOCL	OPH	17 10.2	-26 35	08.2	99.9	337	22
NGC 6294		NONEX	OPH	17 10.3	-26 34	99.9	99.9	337	22
NGC 6313		GALXY	HER	17 10.4	+48 19	13.9	13.1	080	08
NGC 6340	H II 767	GALXY	DRA	17 10.5	+72 18	11.0	13.3	029	03
PK345- 1.1		PLNNB	SCO	17 10.5	-41 53	99.9	99.9	407	22
DoDz 7		OPNCL	HER	17 10.6	+15 32	99.9	99.9	202	15
NGC 6311	UGC 10741	GALXY	HER	17 10.6	+41 39	13.5	13.7	080	08
PK357+ 7.1	M4-3	PLNNB	OPH	17 10.7	-27 09	12.9	99.9	337	22
NGC 6312		GALXY	HER	17 10.8	+42 17	15.5	99.9	080	08
B 58	SL 23	DRKNB	SCO	17 11.2	-40 25	79.9	79.9	407	22
B 60,246	LDN 17	DRKNB	OPH	17 11.8	-22 27	79.9	79.9	337	22
IC 4642	PK334-9.1	PLNNB	ARA	17 11.8	-55 24	12.4	99.9	433	26
NGC 6308	UGC 10747	GALXY	HER	17 11.9	+23 22	13.4	13.6	157	08
B256	LDN 1749	DRKNB	OPH	17 12.2	-28 51	79.9	79.9	376	22
Sh2- 3	Gum 58,RCW 120	BRTNB	SCO	17 12.3	-38 29	99.9	99.9	376	22
NGC 6314	UGC 10752	GALXY	HER	17 12.6	+23 16	12.9	12.8	157	08
PK358+ 7.1	M3-36	PLNNB	OPH	17 12.6	-25 44	15.0	99.9	337	22
NGC 6315		GALXY	HER	17 12.7	+23 13	13.2	12.9	157	08
NGC 6320		GALXY	HER	17 12.9	+40 16	13.9	13.8	081	08
PK 18+20.1	Nassau 1	PLNNB	OPH	17 12.9	-03 16	13.4	99.9	247	15
NGC 6323		GALXY	HER	17 13.3	+43 46	13.9	12.8	081	08
NGC 6302	PK349+1.1	PLNNB	SCO	17 13.7	-37 06	12.8	99.9	376	22
PK 75+35.1	Sanduleak 4-1	PLNNB	HER	17 13.8	+49 16	14.5	99.9	081	08
NGC 6327		GALXY	HER	17 14.0	+43 38	15.5	99.9	081	08
NGC 6309	PK9+14.1	PLNNB	OPH	17 14.1	-12 55	11.6	99.9	292	15
PK354+ 4.1	M2-10	PLNNB	SCO	17 14.1	-31 20	15.0	99.9	376	22
NGC 6329	UGC 10771	GALXY	HER	17 14.3	+43 41	12.8	14.1	081	08
NGC 6321	UGC 10768	GALXY	HER	17 14.5	+20 18	13.4	13.4	157	08
NGC 6304	H I 147	GLOCL	OPH	17 14.5	-29 28	08.4	99.9	376	22
NGC 6332		GALXY	HER	17 15.0	+43 39	13.6	13.3	081	08
B 61		DRKNB	OPH	17 15.2	-20 21	79.9	79.9	337	22
B252	LDN 1698	DRKNB	SCO	17 15.2	-32 13	79.9	79.9	376	22
NGC 6346		GALXY	DRA	17 15.3	+57 19	15.5	99.9	052	03
NGC 6345		GALXY	DRA	17 15.3	+57 21	15.5	99.9	052	03

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NGC 6338	H II 812	GALXY	DRA	17 15.3	+57 25	12.3	12.7	052	03
NGC 6330		GALXY	HER	17 15.8	+29 23	14.0	13.6	115	08
B 63	LDN 99	DRKNB	OPH	17 16.0	-21 23	79.9	79.9	337	22
B 62	LDN 100	DRKNB	OPH	17 16.2	-20 53	79.9	79.9	337	22
vdB-Ha 217		OPNCL	SCO	17 16.2	-39 17	99.9	99.9	408	22
NGC 6336		GALXY	HER	17 16.3	+43 48	13.6	12.9	081	08
vdB-Ha 218		OPNCL	SCO	17 16.3	-38 41	99.9	99.9	376	22
NGC 6316	H I 45	GLOCL	OPH	17 16.6	-28 08	09	99.9	376	22
RCW 126		BRTNB	SCO	17 16.9	-36 21	99.9	99.9	376	22
NGC 6300		GALXY	ARA	17 16.9	-62 50	10.2	12.9	454	26
NGC 6339		GALXY	HER	17 17.1	+40 50	12.7	14.3	081	08
NGC 6341	M 92	GLOCL	HER	17 17.1	+43 08	06.5	99.9	081	08
NGC 6344		GALXY	HER	17 17.2	+42 27	99.9	99.9	081	08
B 64	LDN 173	DRKNB	OPH	17 17.2	-18 32	79.9	79.9	337	15
NGC 6343		GALXY	HER	17 17.3	+41 03	14.5	99.9	081	08
PK356+ 5.1		PLNNB	OPH	17 17.3	-28 59	13.5	99.9	376	22
Bochum 13		OPNCL	SCO	17 17.3	-35 33	07.2	99.9	376	22
NGC 6318		OPNCL	SCO	17 17.8	-39 27	11.8	99.9	408	22
NGC 6359		GALXY	DRA	17 18.0	+61 46	12.6	12.6	029	03
NGC 6325		GLOCL	OPH	17 18.0	-23 46	10.7	99.9	337	22
NGC 6305		UVSOB	ARA	17 18.1	-59 10	99.9	99.9	433	26
NGC 6348		GALXY	HER	17 18.4	+41 39	15.5	99.9	081	08
PK348- 0.1	Haro 2-6	BRTNB	SCO	17 18.4	-39 19	99.9	99.9	408	22
NGC 6322		OPNCL	SCO	17 18.5	-42 57	06	99.9	408	22
NGC 6361		GALXY	DRA	17 18.6	+60 36	13.1	13.3	052	03
vdB-Ha 221		OPNCL	SCO	17 18.6	-31 45	99.9	99.9	376	22
Sh2- 5	Gum 59,RCW 123	BRTNB	SCO	17 18.6	-38 25	99.9	99.9	376	22
NGC 6350	UGC 10800	GALXY	HER	17 18.7	+41 41	13.2	13.0	081	08
PK354+ 3.1		PLNNB	SCO	17 18.8	-31 39	14.1	99.9	376	22
UGC 10806		GALXY	HER	17 18.9	+49 52	13.2	13.8	081	08
vdB 111		BRTNB	OPH	17 19.0	+06 05	99.9	99.9	202	15
NGC 6358		GALXY	DRA	17 19.0	+52 37	15.0	99.9	052	03
vdB-Ha 222		OPNCL	SCO	17 19.0	-37 49	99.9	99.9	376	22
NGC 6349		GALXY	HER	17 19.1	+36 03	15.0	99.9	115	08
Hav-Moffat 1		OPNCL	SCO	17 19.1	-37 16	99.9	99.9	376	22
NGC 6351		GALXY	HER	17 19.2	+36 03	16.0	99.9	115	08
NGC 6333	M 9	GLOCL	OPH	17 19.2	-18 31	07.9	99.9	337	15
PK359+ 6.1	M3-37	PLNNB	OPH	17 19.2	-25 17	17.8	99.9	337	22
PK355+ 3.3		PLNNB	SCO	17 19.3	-31 11	13.3	99.9	376	22
PK342- 4.1	He2-207	PLNNB	SCO	17 19.5	-45 53	12.0	99.9	408	22
NGC 6347		GALXY	HER	17 19.9	+16 40	13.7	13.3	202	15
UGC 10822	Draco Dwarf	GALXY	DRA	17 20.2	+57 55	09.9	17.2	052	03
NGC 6335		NONEX	SCO	17 20.5	-30 08	99.9	99.9	376	22
PK356+ 4.1	M2-11	PLNNB	OPH	17 20.6	-29 01	13.3	99.9	376	22
NGC 6334		OPNCL	SCO	17 20.6	-36 04	99.9	99.9	376	22
LDN 1710		DRKNB	SCO	17 20.7	-31 57	79.9	79.9	376	22
vdB-Ha 223		OPNCL	SCO	17 20.7	-34 13	99.9	99.9	376	22
NGC 6326	PK338-8.1	PLNNB	ARA	17 20.8	-51 45	12.0	99.9	433	26
B 59,65-7	LDN 1773	DRKNB	OPH	17 21.0	-27 00	79.9	79.9	338	22

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PK356+ 4.2	M3-38	PLNNB	OPH	17 21.1	-29 03	99.9	99.9	376	22
NGC 6353		NONEX	HER	17 21.2	+15 42	99.9	99.9	203	15
NGC 6342	H I 149	GLOCL	OPH	17 21.2	-19 35	09.9	99.9	338	15
PK358+ 5.1	M3-39	PLNNB	OPH	17 21.2	-27 12	17.3	99.9	338	22
PK 2+ 8.1	Haro 1-11	PLNNB	OPH	17 21.3	-22 19	14.7	99.9	338	22
PK355+ 3.2		PLNNB	SCO	17 21.5	-30 21	10.0	99.9	376	22
B259	LDN 177	DRKNB	OPH	17 22.0	-19 19	79.9	79.9	338	15
B257	Be 152	DRKNB	SCO	17 22.0	-35 35	79.9	79.9	376	22
NGC 6337	PK349-1.1	PLNNB	SCO	17 22.3	-38 29	12.3	99.9	376	22
PK358+ 5.2		PLNNB	OPH	17 22.4	-27 09	99.9	99.9	338	22
B 67a	LDN 102	DRKNB	OPH	17 22.5	-21 53	79.9	79.9	338	22
B 68	LDN 57	DRKNB	OPH	17 22.6	-23 44	79.9	79.9	338	22
NGC 6363		GALXY	HER	17 22.7	+41 08	13.3	13.2	081	08
NGC 6365		GALXY	DRA	17 22.7	+62 11	14.5	99.9	029	03
B 69	LDN 55	DRKNB	OPH	17 22.9	-23 53	79.9	79.9	338	22
NGC 6370		GALXY	DRA	17 23.3	+57 00	12.9	13.6	052	03
PK357+ 4.1	Haro 2-7	PLNNB	OPH	17 23.4	-28 59	19.4	99.9	376	22
Ru 123	Harvard 14	OPNCL	SCO	17 23.4	-37 56	99.9	99.9	376	22
B 72	LDN 66	DRKNB	OPH	17 23.5	-23 38	79.9	79.9	338	22
B 70	LDN 54	DRKNB	OPH	17 23.5	-23 58	79.9	79.9	338	22
NGC 6356	H I 48	GLOCL	OPH	17 23.6	-17 49	08.4	99.9	338	15
NGC 6328		GALXY	ARA	17 23.7	-64 59	12.3	13.4	454	26
PK359+ 5.1		PLNNB	OPH	17 24.0	-26 00	99.9	99.9	338	22
NGC 6355	H I 46	GLOCL	OPH	17 24.0	-26 21	09.6	99.9	338	22
NGC 6373		GALXY	DRA	17 24.3	+59 01	13.6	13.8	052	03
PK355+ 2.3		PLNNB	SCO	17 24.4	-31 44	13.5	99.9	376	22
NGC 6364	UGC 10835	GALXY	HER	17 24.5	+29 24	12.9	13.4	115	08
PK357+ 3.1	M3-7	PLNNB	OPH	17 24.6	-29 24	15.2	99.9	376	22
NGC 6354		NONEX	SCO	17 24.6	-38 32	99.9	99.9	376	22
PK355+ 2.2		PLNNB	SCO	17 24.7	-30 52	14.1	99.9	376	22
NGC 6357		BRTNB	SCO	17 24.7	-34 09	99.9	99.9	376	22
IC 4651		OPNCL	ARA	17 24.7	-49 57	06.9	99.9	408	22
PK 3+ 7.1		PLNNB	OPH	17 24.8	-21 34	99.9	99.9	338	22
PK358+ 4.1	M3-8	PLNNB	OPH	17 24.9	-28 06	14.0	99.9	376	22
Tr 25		OPNCL	SCO	17 25.0	-37 06	11.7	99.9	376	22
PK356+ 3.1		PLNNB	OPH	17 25.1	-29 46	13.7	99.9	376	22
NGC 6367		GALXY	HER	17 25.2	+37 46	15.0	99.9	115	08
B 74		DRKNB	OPH	17 25.2	-24 12	79.9	79.9	338	22
B 75,261-2	LDN 91	DRKNB	OPH	17 25.3	-22 28	79.9	79.9	338	22
PK356+ 2.1		PLNNB	SCO	17 25.3	-30 41	14.0	99.9	376	22
Pismis 24		OPNCL	SCO	17 25.3	-34 21	09.6	99.9	376	22
NGC 6376		GALXY	DRA	17 25.4	+58 50	14.0	99.9	052	03
NGC 6377		GALXY	DRA	17 25.4	+58 50	14.0	99.9	052	03
NGC 6360		NONEX	OPH	17 25.4	-30 00	99.9	99.9	376	22
NGC 6352	Dunlop 417	OPNCL	ARA	17 25.4	-48 28	10.7	99.9	408	22
PK359+ 5.2	M3-9	PLNNB	OPH	17 25.7	-26 12	15.0	99.9	338	22
PK359+ 4.1		PLNNB	OPH	17 25.7	-26 58	13.4	99.9	338	22
PK357+ 3.2		PLNNB	OPH	17 26.0	-29 22	99.9	99.9	376	22
DoDz 8		OPNCL	HER	17 26.2	+24 11	99.9	99.9	158	08

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B263	SL 22	DRKNB	SCO	17 26.3	-42 38	79.9	79.9	408	22
PK345- 4.1		PLNNB	SCO	17 26.3	-44 12	99.9	99.9	408	22
PK352+ 0.1	Haro 1-12	PLNNB	SCO	17 26.4	-35 02	15.0	99.9	376	22
NGC 6395		GALXY	DRA	17 26.5	+71 06	12.3	12.8	030	03
PK357+ 3.4		PLNNB	OPH	17 27.0	-29 16	99.9	99.9	376	22
IC 1257		OPNCL	OPH	17 27.1	-07 06	99.9	99.9	293	15
NGC 6368		GALXY	OPH	17 27.2	+11 33	12.3	13.6	203	15
NGC 6371		GALXY	HER	17 27.2	+26 30	15.0	99.9	158	08
NGC 6381	UGC 10871	GALXY	DRA	17 27.2	+60 01	12.9	13.1	052	03
NGC 6372	H III 137	GALXY	HER	17 27.5	+26 28	12.9	13.5	158	08
Ter 2		GLOCL	SCO	17 27.5	-30 48	99.9	99.9	376	22
NGC 6366		GLOCL	OPH	17 27.7	-05 05	10.0	99.9	248	15
NGC 6382		GALXY	DRA	17 27.8	+56 52	15.0	99.9	052	03
vdB-Ha 228		OPNCL	OPH	17 27.8	-29 17	99.9	99.9	376	22
PK342- 6.1		PLNNB	ARA	17 27.9	-46 56	99.9	99.9	408	22
NGC 6385	UGC 10877	GALXY	DRA	17 28.0	+57 33	13.1	13.5	052	03
B 77,269	LDN 69	DRKNB	OPH	17 28.0	-23 22	79.9	79.9	338	22
PK 1+ 5.1	Haro 1-14	PLNNB	OPH	17 28.1	-24 25	16.0	99.9	338	22
UGC 10862		GALXY	OPH	17 28.2	+07 26	12.7	14.7	203	15
Ru 124		OPNCL	SCO	17 28.3	-39 18	99.9	99.9	408	22
NGC 6387		GALXY	DRA	17 28.4	+57 34	15.0	99.9	052	03
NGC 6390	UGC 10881	GALXY	DRA	17 28.5	+60 06	13.8	12.9	052	03
Tr 26	Cr 331	OPNCL	OPH	17 28.5	-29 29	09.5	99.9	376	22
PK352- 0.1	Haro 1-13	PLNNB	SCO	17 28.5	-35 08	15.0	99.9	376	22
PK 1+ 5.2	Haro 1-15	PLNNB	OPH	17 28.6	-24 51	15.0	99.9	338	22
PK358+ 3.1	M3-10	PLNNB	OPH	17 28.7	-28 27	13.6	99.9	376	22
PK358+ 3.3		PLNNB	OPH	17 28.7	-28 27	14.0	99.9	376	22
PK357+ 2.5	M4-4	PLNNB	SCO	17 28.8	-30 08	17.0	99.9	376	22
NGC 6386		GALXY	DRA	17 28.9	+52 44	15.0	99.9	052	03
NGC 6391		GALXY	DRA	17 28.9	+58 52	15.0	99.9	052	03
PK 9+10.1	Abell 41	PLNNB	SCO	17 29.0	-15 13	13.9	99.9	293	15
PK 6+ 8.1	M1-20	PLNNB	OPH	17 29.0	-19 16	14.0	99.9	338	15
Sh2- 13	Gum 68,RCW 133	BRTNB	SCO	17 29.1	-31 33	99.9	99.9	376	22
Antalova 1		OPNCL	SCO	17 29.2	-30 30	99.9	99.9	376	22
NGC 6375	UGC 10875	GALXY	HER	17 29.3	+16 12	14.5	99.9	203	15
NGC 6369	PK2+5.1,H IV 11	PLNNB	OPH	17 29.3	-23 46	11.0	99.9	338	22
PK 0+ 4.1		PLNNB	OPH	17 29.4	-25 49	99.9	99.9	338	22
PK 0+ 4.2		PLNNB	OPH	17 29.4	-26 26	99.9	99.9	338	22
NGC 6412	H VI 41	GALXY	DRA	17 29.6	+75 42	11.8	13.4	012	03
PK358+ 3.7		PLNNB	OPH	17 29.7	-28 40	99.9	99.9	376	22
PK357+ 2.4	Haro 1-18	PLNNB	OPH	17 29.7	-29 33	99.9	99.9	376	22
Antalova 2		OPNCL	SCO	17 29.7	-32 30	08.8	99.9	376	22
Ru 125		OPNCL	SCO	17 29.7	-40 30	99.9	99.9	408	22
PK358+ 3.4		PLNNB	OPH	17 30.0	-27 59	99.9	99.9	338	22
NGC 6394		GALXY	DRA	17 30.1	+59 32	16.0	99.9	053	03
NGC 6393		GALXY	DRA	17 30.3	+59 39	14.5	13.6	053	03
PK358+ 2.2		PLNNB	OPH	17 30.4	-29 10	14.0	99.9	376	22
NGC 6378		GALXY	OPH	17 30.6	+06 17	13.4	13.4	203	15
NGC 6379		GALXY	HER	17 30.6	+16 17	12.9	12.9	203	15

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NGC 6414	UGC 10906	GALXY	DRA	17 30.6	+74 23	15.5	99.9	012	03
PK 4+ 6.1	Haro 2-12	PLNNB	OPH	17 30.6	-21 28	99.9	99.9	338	22
Ter 4		GLOCL	SCO	17 30.6	-31 55	99.9	99.9	376	22
PK358+ 3.6	Haro 1-20	PLNNB	OPH	17 30.7	-28 04	14.8	99.9	376	22
PK359+ 3.2		PLNNB	OPH	17 30.8	-27 06	13.7	99.9	338	22
PK357+ 2.7		PLNNB	SCO	17 30.8	-30 17	14.0	99.9	376	22
Cr 332		OPNCL	SCO	17 30.8	-37 05	08.9	99.9	376	22
PK359+ 3.1		PLNNB	OPH	17 30.9	-26 59	13.9	99.9	338	22
PK356+ 1.2		PLNNB	SCO	17 31.0	-31 01	99.9	99.9	376	22
HP 1		GLOCL	OPH	17 31.1	-29 59	99.9	99.9	376	22
PK357+ 2.6		PLNNB	SCO	17 31.1	-30 11	99.9	99.9	376	22
PK358+ 3.8	The 3-26	PLNNB	OPH	17 31.2	-28 15	13.7	99.9	376	22
Cr 333		OPNCL	SCO	17 31.3	-34 05	09.8	99.9	376	22
Harvard 16		OPNCL	SCO	17 31.4	-36 51	99.9	99.9	376	22
PK 16+13.1	Abell 42	PLNNB	OPH	17 31.5	-08 19	14.6	99.9	293	15
NGC 6399		GALXY	DRA	17 31.8	+59 38	13.7	13.1	053	03
NGC 6362	Dunlop 225	GLOCL	ARA	17 31.9	-67 03	08.3	99.9	455	26
B268,270	LDN 178	DRKNB	OPH	17 32.0	-20 32	79.9	79.9	338	22
Grindlay 1		GLOCL	SCO	17 32.0	-33 50	99.9	99.9	376	22
vdB-Ha 231		OPNCL	SCO	17 32.2	-30 10	99.9	99.9	376	22
NGC 6374		OPNCL	SCO	17 32.3	-32 36	09	99.9	376	22
PK350- 2.1		PLNNB	SCO	17 32.3	-37 57	99.9	99.9	376	22
NGC 6384		GALXY	OPH	17 32.4	+07 04	10.4	13.8	203	15
NGC 6389	H II 901	GALXY	HER	17 32.7	+16 24	12.1	13.7	203	15
PK357+ 1.1		PLNNB	OPH	17 32.8	-30 00	99.9	99.9	376	22
PK348- 4.1		PLNNB	SCO	17 32.8	-40 58	99.9	99.9	408	22
PK349- 3.1		PLNNB	SCO	17 32.9	-39 52	99.9	99.9	408	22
B 78	LDN 42	DRKNB	OPH	17 33.0	-26 00	79.9	79.9	338	22
Liller 1		GLOCL	SCO	17 33.4	-33 23	99.9	99.9	376	22
PK 4+ 6.2	Haro 1-24	PLNNB	OPH	17 33.6	-21 46	15.0	99.9	338	22
SL 26		DRKNB	SCO	17 34.2	-40 25	79.9	79.9	408	22
PK 3+ 5.1	Haro 2-15	PLNNB	OPH	17 34.4	-22 53	15.0	99.9	338	22
NGC 6383		OPNCL	SCO	17 34.8	-32 34	05.5	99.9	376	22
PK 0+ 3.1	He2-250	PLNNB	OPH	17 34.9	-26 36	14.1	99.9	338	22
NGC 6410		1STAR	DRA	17 35.2	+60 49	99.9	99.9	053	03
PK 7+ 7.1	M1-22	PLNNB	OPH	17 35.2	-18 34	14.0	99.9	338	15
PK358+ 1.1		PLNNB	OPH	17 35.2	-29 03	99.9	99.9	376	22
SL 28		DRKNB	SCO	17 35.3	-39 14	79.9	79.9	408	22
PK 5+ 6.1	M3-11	PLNNB	OPH	17 35.4	-20 57	14.0	99.9	338	22
NGC 6380		GLOCL	SCO	17 35.4	-39 04	14.0	99.9	408	22
NGC 6411		GALXY	DRA	17 35.6	+60 48	11.9	13.4	053	03
Ru 126		OPNCL	SCO	17 35.6	-33 46	99.9	99.9	376	22
PK349- 4.1	Longmore 16	PLNNB	SCO	17 35.7	-40 12	13.0	99.9	408	22
PK359+ 2.3		PLNNB	OPH	17 35.8	-27 43	13.9	99.9	338	22
Ter 1		GLOCL	SCO	17 35.8	-30 28	99.9	99.9	376	22
PK343- 7.1	Peimbert 17	PLNNB	ARA	17 35.8	-47 00	14.1	99.9	408	22
NGC 6419	UGC 10924	GALXY	DRA	17 35.9	+68 08	14.6	13.1	030	03
PK 2+ 4.1		PLNNB	OPH	17 36.0	-24 26	13.2	99.9	338	22
NGC 6420		GALXY	DRA	17 36.1	+68 01	15.5	99.9	030	03

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NGC 6424		GALXY	DRA	17 36.2	+69 59	15.0	99.9	030	03
Tr 27	Cr 336	OPNCL	SCO	17 36.2	-33 29	06.7	99.9	376	22
PK341-29.1		PLNNB	ARA	17 36.2	-49 26	99.9	99.9	408	22
NGC 6422		GALXY	DRA	17 36.3	+68 02	15.0	99.9	030	03
NGC 6388		GLOCL	SCO	17 36.3	-44 44	06.9	99.9	408	22
PK 5+ 5.1	M3-12	PLNNB	OPH	17 36.4	-21 31	99.9	99.9	338	22
PK350- 3.1	Haro 1-26	PLNNB	SCO	17 36.5	-39 22	14.0	99.9	408	22
NGC 6409		GALXY	DRA	17 36.6	+50 46	15.0	99.9	053	03
Ton 2		GLOCL	SCO	17 36.6	-39 04	99.9	99.9	408	22
NGC 6423		GALXY	DRA	17 36.7	+68 09	15.5	99.9	030	03
NGC 6434	H III 741	GALXY	DRA	17 36.8	+72 05	12.4	13.2	030	03
Tr 28	Cr 337	OPNCL	SCO	17 36.8	-32 39	07.7	99.9	376	22
PK 7+ 6.1	M1-23	PLNNB	OPH	17 37.4	-18 47	14.5	99.9	338	15
NGC 6402	M 14	GLOCL	OPH	17 37.6	-03 15	07.6	99.9	248	15
PK358+ 3.2		PLNNB	OPH	17 37.6	-28 32	99.9	99.9	376	22
Ru 127		OPNCL	SCO	17 37.7	-36 16	08.8	99.9	376	22
PK356- 0.1		PLNNB	SCO	17 37.8	-32 16	99.9	99.9	376	22
NGC 6418		GALXY	DRA	17 38.1	+58 43	14.5	99.9	053	03
NGC 6396		OPNCL	SCO	17 38.1	-35 00	08.5	99.9	376	22
PK 7+ 6.2	M1-24	PLNNB	OPH	17 38.2	-19 38	13.8	99.9	338	15
Cr 338		OPNCL	SCO	17 38.2	-37 34	08	99.9	376	22
NGC 6406		NONEX	HER	17 38.3	+18 50	99.9	99.9	158	15
PK 4+ 4.1	M1-25	PLNNB	OPH	17 38.5	-22 09	13.3	99.9	338	22
NGC 6401	H I 44	GLOCL	OPH	17 38.6	-23 55	09.5	99.9	338	22
NGC 6461		GALXY	DRA	17 38.7	+73 30	15.5	99.9	012	03
PK359+ 1.1		PLNNB	OPH	17 38.7	-28 43	14.0	99.9	376	22
NGC 6408		GALXY	HER	17 38.8	+18 52	12.7	13.4	158	15
PK 8+ 6.1	He2-260	PLNNB	OPH	17 38.9	-18 18	11.0	99.9	338	15
PK346- 6.1		PLNNB	SCO	17 39.3	-44 10	99.9	99.9	408	22
B 79,276	LDN 219	DRKNB	OPH	17 39.5	-19 47	79.9	79.9	338	15
NGC 6404		OPNCL	SCO	17 39.6	-33 15	10.6	99.9	376	22
PK 5+ 5.2	Haro 2-16	PLNNB	OPH	17 39.9	-21 14	99.9	99.9	338	22
NGC 6435	UGC 10947	GALXY	DRA	17 40.1	+62 37	15.0	99.9	030	03
PK 3+ 3.1		PLNNB	OPH	17 40.1	-24 26	14.0	99.9	338	22
NGC 6405	M 6	OPNCL	SCO	17 40.1	-32 13	04.2	99.9	377	22
PK 1+ 2.1	He2-262	PLNNB	OPH	17 40.2	-26 45	15.0	99.9	338	22
PK 5+ 4.1	Haro 1-27	PLNNB	OPH	17 40.3	-22 19	15.5	99.9	338	22
PK 1+ 1.1	K1-4	PLNNB	OPH	17 40.5	-27 01	15.5	99.9	338	22
NGC 6413		NONEX	OPH	17 40.7	+12 37	99.9	99.9	203	15
NGC 6397	Lac III-11	GLOCL	ARA	17 40.7	-53 40	05.7	99.9	434	26
NGC 6400		OPNCL	SCO	17 40.8	-36 57	08.8	99.9	377	22
NGC 6436		GALXY	DRA	17 41.2	+60 27	14.0	13.9	053	03
PK 5+ 4.2		PLNNB	OPH	17 41.6	-22 14	99.9	99.9	338	22
Tr 29	Cr 343	OPNCL	SCO	17 41.6	-40 06	07.5	99.9	408	22
NGC 6417		GALXY	HER	17 41.7	+23 40	13.1	13.6	158	08
PK 3+ 3.2		PLNNB	OPH	17 41.9	-24 11	99.9	99.9	338	22
PK 3+ 2.1	Hubble 4	PLNNB	OPH	17 41.9	-24 42	13.0	99.9	338	22
NGC 6456		GALXY	DRA	17 42.4	+67 34	15.5	99.9	030	03
PK 45+24.1	K1-14	PLNNB	HER	17 42.5	+21 27	15.1	99.9	158	08

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NGC 6398		GALXY	PAV	17 42.7	-61 41	12.5	13.7	455	26
NGC 6457		GALXY	DRA	17 42.8	+66 28	14.2	14.2	030	03
PK350- 5.1	Haro 1-28	PLNNB	SCO	17 42.9	-39 36	13.2	99.9	408	22
NGC 6403		GALXY	PAV	17 43.2	-61 41	13.3	13.1	455	26
NGC 6463		GALXY	DRA	17 43.5	+67 35	15.0	99.9	030	03
PK 6+ 4.1		PLNNB	SGR	17 43.5	-21 10	99.9	99.9	338	22
NGC 6392		UVSOB	APS	17 43.5	-69 46	99.9	99.9	455	26
NGC 6427	UGC 10957	GALXY	HER	17 43.6	+25 29	13.3	13.2	158	08
NGC 6426	H II 587	GLOCL	OPH	17 43.7	+03 00	11.2	99.9	248	15
NGC 6449		GALXY	DRA	17 43.7	+56 47	13.8	13.5	053	03
Pal 6		GLOCL	OPH	17 43.7	-26 13	13.6	99.9	338	22
NGC 6428		NONEX	HER	17 43.9	+25 32	99.9	99.9	158	08
NGC 6477		GALXY	DRA	17 43.9	+67 37	99.9	99.9	030	03
NGC 6429	UGC 10960	GALXY	HER	17 44.0	+25 21	13.1	13.3	158	08
NGC 6433		GALXY	HER	17 44.0	+36 46	13.3	13.2	116	08
NGC 6470		GALXY	DRA	17 44.1	+67 34	15.5	99.9	030	03
NGC 6471		GALXY	DRA	17 44.1	+67 34	15.5	99.9	030	03
NGC 6472		GALXY	DRA	17 44.2	+67 36	14.2	13.7	030	03
PK355- 2.2		PLNNB	SCO	17 44.2	-34 17	99.9	99.9	377	22
NGC 6431		NONEX	HER	17 44.3	+25 30	99.9	99.9	158	08
NGC 6448		NONEX	DRA	17 44.3	+53 32	99.9	99.9	053	03
PK355- 2.1	M3-14	PLNNB	SCO	17 44.3	-34 07	15.0	99.9	377	22
NGC 6416		OPNCL	SCO	17 44.4	-32 21	05.7	99.9	377	22
NGC 6415		NONEX	SCO	17 44.4	-35 01	99.9	99.9	377	22
NGC 6430		ASTER	HER	17 44.6	+18 09	99.9	99.9	158	15
NGC 6443		GALXY	HER	17 44.6	+48 05	13.8	13.2	081	08
Cr 345		OPNCL	SCO	17 44.6	-33 45	10.9	99.9	377	22
NGC 6462		GALXY	DRA	17 44.7	+61 53	13.9	11.8	030	03
Ru 128		OPNCL	SCO	17 44.8	-33 10	99.9	99.9	377	22
NGC 6407		UVSOB	PAV	17 44.9	-60 45	99.9	99.9	434	26
PK 51+25.1	K1-15	PLNNB	HER	17 45.0	+27 19	15.0	99.9	158	08
NGC 6454		GALXY	DRA	17 45.0	+55 41	13.5	13.1	053	03
PK352- 4.1	Haro 1-30	PLNNB	SCO	17 45.1	-38 09	13.2	99.9	377	22
B 83a	LDN 233	DRKNB	SGR	17 45.3	-20 00	79.9	79.9	338	22
PK 6+ 4.2	M3-15	PLNNB	SGR	17 45.5	-20 58	14.5	99.9	338	22
IC 4663	PK346-8.1	PLNNB	SCO	17 45.5	-44 54	13.0	99.9	408	22
PK 5+ 3.1	Perek 1-9	PLNNB	SGR	17 45.6	-23 02	18.0	99.9	338	22
PK351- 5.1	He2-275	PLNNB	SCO	17 45.6	-38 39	99.9	99.9	377	22
IC 1266	PK345-8.1	PLNNB	ARA	17 45.6	-46 05	12.3	99.9	408	22
PK355- 2.4		PLNNB	SCO	17 45.7	-34 31	99.9	99.9	377	22
NGC 6464		GALXY	DRA	17 45.8	+60 53	15.5	99.9	053	03
NGC 6421		NONEX	SCO	17 45.8	-33 42	99.9	99.9	377	22
NGC 6459		GALXY	DRA	17 45.9	+55 45	16.0	99.9	053	03
PK358- 0.2	M1-26	PLNNB	SCO	17 46.0	-30 12	13.8	99.9	377	22
PK358- 1.1		PLNNB	SCO	17 46.0	-31 04	16.0	99.9	377	22
NGC 6446		GALXY	HER	17 46.1	+35 33	15.5	99.9	116	08
PK355- 2.3		PLNNB	SCO	17 46.1	-34 04	99.9	99.9	377	22
PK 8+ 5.1	The 4-2	PLNNB	OPH	17 46.2	-18 40	13.0	99.9	338	15
IC 4665		OPNCL	OPH	17 46.3	+05 43	04.2	99.9	203	15

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NGC 6447	UGC 10975	GALXY	HER	17 46.3	+35 33	12.7	13.0	116	08
PK 7+ 4.1		PLNNB	OPH	17 46.3	-20 13	14.7	99.9	338	22
Cr 347		OPNCL	SGR	17 46.4	-29 18	08.8	99.9	377	22
PK 24- 2.1		PLNNB	OPH	17 46.5	-08 28	99.9	99.9	293	15
B 84	LDN 235	DRKNB	SGR	17 46.5	-20 11	79.9	79.9	338	22
Sh2- 16	Gum 70	BRTNB	SGR	17 46.6	-29 18	99.9	99.9	377	22
NGC 6442	UGC 10978	GALXY	HER	17 46.9	+20 46	12.6	13.8	158	08
NGC 6474		NONEX	DRA	17 46.9	+57 20	99.9	99.9	053	03
PK 11+ 6.1	M2-15	PLNNB	SGR	17 46.9	-16 17	14.6	99.9	293	15
NGC 6425		OPNCL	SCO	17 46.9	-31 32	07.2	99.9	377	22
NGC 6473		GALXY	DRA	17 47.0	+57 20	15.0	99.9	053	03
vdB-Ha 245		OPNCL	SGR	17 47.0	-28 20	99.9	99.9	377	22
IC 4662		GALXY	PAV	17 47.1	-64 38	11.3	12.8	455	26
PK328-17.1	He2-269	GALXY	PAV	17 47.1	-64 38	99.9	99.9	455	26
NGC 6432		NONEX	SGR	17 47.4	-24 53	99.9	99.9	338	22
NGC 6450		NONEX	HER	17 47.5	+18 35	99.9	99.9	158	15
PK 6+ 3.1	Haro 2-22	PLNNB	SGR	17 47.6	-21 47	15.0	99.9	338	22
PK 6+ 3.2	M1-28	PLNNB	SGR	17 47.6	-22 06	17.0	99.9	338	22
PK355- 3.1		PLNNB	SCO	17 47.8	-34 08	99.9	99.9	377	22
Ru 129		OPNCL	SGR	17 47.9	-28 26	99.9	99.9	377	22
PK359- 0.1	Hubble 5	PLNNB	SGR	17 47.9	-30 00	11.8	99.9	377	22
NGC 6452		GALXY	HER	17 48.0	+20 51	15.5	99.9	158	08
Cr 350		OPNCL	OPH	17 48.1	+01 18	06.1	99.9	248	15
PK 5+ 2.1		PLNNB	SGR	17 48.1	-22 47	99.9	99.9	338	22
Ter 5		GLOCL	SGR	17 48.1	-24 47	13.5	99.9	338	22
NGC 6466		GALXY	DRA	17 48.2	+51 26	15.0	99.9	053	03
NGC 6479		GALXY	DRA	17 48.3	+54 10	13.7	13.4	053	03
NGC 6439	PK11+5.1	PLNNB	SGR	17 48.3	-16 29	13.0	99.9	293	15
Ru 130		OPNCL	SGR	17 48.3	-29 55	99.9	99.9	377	22
PK 6+ 2.1		PLNNB	SGR	17 48.6	-22 17	14.2	99.9	338	22
PK 4+ 1.1	Haro 2-24	PLNNB	SGR	17 48.6	-24 17	15.6	99.9	338	22
NGC 6478		GALXY	DRA	17 48.7	+51 10	13.3	13.5	053	03
NGC 6440	H I 150	GLOCL	SGR	17 48.9	-20 22	09.7	99.9	338	22
PK355- 3.2		PLNNB	SCO	17 48.9	-34 22	99.9	99.9	377	22
PK 4+ 2.1		PLNNB	SGR	17 49.0	-23 43	15.0	99.9	338	22
Ru 131		OPNCL	SGR	17 49.0	-29 13	99.9	99.9	377	22
NGC 6437		NONEX	SCO	17 49.1	-35 26	99.9	99.9	377	22
NGC 6458	UGC 10994	GALXY	HER	17 49.2	+20 49	13.4	13.4	158	08
NGC 6445	PK8+3.1,H II 586	PLNNB	SGR	17 49.2	-20 01	13.0	99.9	338	22
PK355- 3.3		PLNNB	SCO	17 49.2	-34 23	99.9	99.9	377	22
NGC 6488		GALXY	DRA	17 49.3	+62 14	14.5	99.9	030	03
UGC 11000		GALXY	HER	17 49.4	+36 08	13.4	11.8	116	08
NGC 6503		GALXY	DRA	17 49.4	+70 09	10.2	13.1	030	03
Cr 351		OPNCL	SGR	17 49.4	-28 44	09.3	99.9	377	22
NGC 6444	Ru 132	OPNCL	SCO	17 49.5	-34 49	99.9	99.9	377	22
NGC 6460		GALXY	HER	17 49.6	+20 46	13.1	13.8	158	08
PK356- 3.1	Haro 2-26	PLNNB	SCO	17 49.8	-34 01	14.6	99.9	377	22
PK353- 4.1	Haro 1-36	PLNNB	SCO	17 49.8	-37 02	99.9	99.9	377	22
NGC 6493		GALXY	DRA	17 49.9	+61 30	14.4	14.5	030	03

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NGC 6508		GALXY	DRA	17 49.9	+72 02	12.8	13.3	030	03
NGC 6489		GALXY	DRA	17 50.0	+60 06	15.5	99.9	053	03
NGC 6491	UGC 11008	GALXY	DRA	17 50.1	+61 32	13.6	13.0	030	03
NGC 6493A		GALXY	DRA	17 50.1	+61 33	99.9	99.9	030	03
NGC 6441		GLOCL	SCO	17 50.2	-37 03	07.4	99.9	377	22
PK359- 1.1	M1-29	PLNNB	SCO	17 50.3	-30 35	13.5	99.9	377	22
PK 9+ 4.1	The 4-5	PLNNB	SGR	17 50.4	-19 03	13.5	99.9	338	15
PK 0- 1.1		PLNNB	SGR	17 50.4	-29 25	16.0	99.9	377	22
NGC 6467		GALXY	HER	17 50.7	+17 33	12.5	13.9	158	15
NGC 6468		NONEX	HER	17 50.7	+17 33	99.9	99.9	158	15
NGC 6451	H VI 13	OPNCL	SCO	17 50.7	-30 13	08.2	99.9	377	22
Ter 6		GLOCL	SCO	17 50.7	-31 17	99.9	99.9	377	22
PK351- 6.1	Haro 1-37	PLNNB	SCO	17 50.7	-39 18	15.0	99.9	408	22
PK353- 5.1	Haro 1-38	PLNNB	SCO	17 50.8	-37 24	15.0	99.9	377	22
NGC 6498		NONEX	DRA	17 51.0	+59 29	99.9	99.9	053	03
PK 6+ 2.2	Haro 2-25	PLNNB	SGR	17 51.0	-22 20	99.9	99.9	338	22
NGC 6497		GALXY	DRA	17 51.2	+59 30	13.5	13.3	053	03
PK355- 4.1	Hoffleit 2-1	PLNNB	SCO	17 51.2	-34 55	14.0	99.9	377	22
NGC 6505		GALXY	DRA	17 51.3	+65 33	15.5	99.9	030	03
PK 9+ 4.2		PLNNB	SGR	17 51.3	-18 47	14.4	99.9	338	15
PK359- 1.2		PLNNB	SCO	17 51.3	-30 24	16.0	99.9	377	22
B283		DRKNB	SCO	17 51.3	-33 53	79.9	79.9	377	22
vdB-Ha 249		OPNCL	SCO	17 51.4	-30 44	99.9	99.9	377	22
NGC 6482	UGC 11009	GALXY	HER	17 51.7	+23 05	11.4	12.8	158	08
NGC 6484	UGC 11010	GALXY	HER	17 51.7	+24 30	12.3	13.5	158	08
PK358- 2.1	M4-7	PLNNB	SCO	17 51.7	-31 36	16.5	99.9	377	22
NGC 6485		GALXY	HER	17 51.8	+31 28	12.9	13.6	116	08
PK356- 3.2		PLNNB	SCO	17 51.8	-33 48	99.9	99.9	377	22
PK332-16.1	Hart-Triton 6	PLNNB	PAV	17 51.8	-60 23	15.0	99.9	434	26
NGC 6455		NONEX	SCO	17 52.0	-35 23	99.9	99.9	377	22
PK 10+ 4.1	M2-17	PLNNB	SGR	17 52.1	-17 36	14.0	99.9	339	15
PK359- 1.3		PLNNB	SCO	17 52.1	-30 05	16.0	99.9	377	22
PK 6+ 2.3		PLNNB	SGR	17 52.4	-21 52	14.7	99.9	339	22
NGC 6486		GALXY	HER	17 52.6	+29 50	15.0	99.9	116	08
PK 0- 1.2		PLNNB	SGR	17 52.6	-29 07	13.8	99.9	377	22
PK357- 3.2	M2-16	PLNNB	SCO	17 52.6	-32 46	14.0	99.9	377	22
NGC 6487	UGC 11022	GALXY	HER	17 52.7	+29 51	11.9	13.1	116	08
PK 7+ 2.1		PLNNB	SGR	17 52.7	-21 15	99.9	99.9	339	22
PK 6+ 2.5	M1-31	PLNNB	SGR	17 52.7	-22 22	13.0	99.9	339	22
NGC 6481		2STAR	OPH	17 52.8	+04 10	99.9	99.9	249	15
PK359- 2.2	M3-16	PLNNB	SCO	17 52.8	-30 50	15.5	99.9	377	22
NGC 6469		OPNCL	SGR	17 52.9	-22 21	08.2	99.9	339	22
NGC 6465		NONEX	SGR	17 52.9	-25 23	99.9	99.9	339	22
Basel 5		OPNCL	SGR	17 53.0	-29 57	99.9	99.9	377	22
PK355- 4.2	M1-30	PLNNB	SCO	17 53.0	-34 39	99.9	99.9	377	22
Ru 133		OPNCL	SGR	17 53.2	-27 19	99.9	99.9	339	22
PK357- 3.3		PLNNB	SCO	17 53.3	-32 41	14.0	99.9	377	22
PK356- 3.3		PLNNB	SCO	17 53.3	-33 56	99.9	99.9	377	22
Ru 134		OPNCL	SGR	17 53.5	-28 28	99.9	99.9	377	22

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PK 36+17.1	Abell 43	PLNNB	OPH	17 53.6	+10 37	14.6	99.9	204	15
PK 6+ 2.4		PLNNB	SGR	17 53.6	-21 59	99.9	99.9	339	22
Ru 168		OPNCL	SGR	17 53.6	-27 33	99.9	99.9	339	22
PK357- 3.4		PLNNB	SCO	17 53.6	-32 59	99.9	99.9	377	22
NGC 6476		NONEX	SGR	17 53.8	-29 08	99.9	99.9	377	22
PK 0- 1.5	M2-19	PLNNB	SGR	17 53.8	-29 44	15.5	99.9	377	22
NGC 6475	M 7	OPNCL	SCO	17 53.9	-34 49	03.3	99.9	377	22
Czernik 37		OPNCL	SGR	17 54.0	-26 40	99.9	99.9	339	22
NGC 6538		GALXY	DRA	17 54.2	+73 25	14.0	99.9	012	03
PK 53+24.1	VY 1-2	PLNNB	HER	17 54.4	+28 00	12.0	99.9	116	08
PK 14+ 6.1	K2-5	PLNNB	SER	17 54.4	-12 49	15.2	99.9	294	15
B287		DRKNB	SCO	17 54.4	-35 12	79.9	79.9	377	22
NGC 6490	UGC 11033	GALXY	HER	17 54.5	+18 23	13.5	13.1	159	15
UKS1751-241		GLOCL	SGR	17 54.5	-24 09	99.9	99.9	339	22
PK 0- 1.6	M2-20	PLNNB	SGR	17 54.5	-29 36	13.5	99.9	377	22
NGC 6510		GALXY	DRA	17 54.6	+60 50	14.5	99.9	053	03
PK 1- 1.2		PLNNB	SGR	17 54.6	-28 13	16.0	99.9	377	22
NGC 6480		NONEX	SCO	17 54.6	-30 26	99.9	99.9	377	22
PK356- 4.1	Canon 2-1	PLNNB	SCO	17 54.6	-34 23	12.2	99.9	377	22
NGC 6495	UGC 11034	GALXY	HER	17 54.8	+18 20	12.2	13.6	159	15
NGC 6512		GALXY	DRA	17 54.8	+62 39	13.9	99.9	030	03
NGC 6511		NONEX	DRA	17 55.0	+60 49	99.9	99.9	053	03
PK 7+ 1.1	Hubble 6	PLNNB	SGR	17 55.1	-21 45	11.0	99.9	339	22
PK359- 2.4		PLNNB	SCO	17 55.1	-31 12	99.9	99.9	377	22
NGC 6516		GALXY	DRA	17 55.2	+62 40	15.5	99.9	030	03
NGC 6499		2STAR	HER	17 55.3	+18 23	99.9	99.9	159	15
PK 0- 2.2		PLNNB	SGR	17 55.3	-29 58	13.3	99.9	377	22
PK359- 2.3		PLNNB	SCO	17 55.6	-30 34	13.8	99.9	377	22
NGC 6521	UGC 11061	GALXY	DRA	17 55.8	+62 37	12.9	13.7	030	03
NGC 6500	H III 957	GALXY	HER	17 56.0	+18 21	12.1	13.4	159	15
NGC 6504		GALXY	HER	17 56.0	+33 12	12.5	12.4	116	08
NGC 6534		GALXY	DRA	17 56.0	+64 19	14.4	13.3	030	03
PK 9+ 2.1		PLNNB	SGR	17 56.0	-19 29	14.8	99.9	339	15
PK 1- 1.3		PLNNB	SGR	17 56.0	-28 14	99.9	99.9	377	22
PK 0- 2.1		PLNNB	SGR	17 56.0	-29 12	14.3	99.9	377	22
NGC 6501	H III 958	GALXY	HER	17 56.1	+18 23	12.0	13.3	159	15
PK 11+ 4.1	M1-32	PLNNB	SGR	17 56.3	-16 30	12.0	99.9	294	15
PK358- 3.2	Haro 2-30	PLNNB	SCO	17 56.3	-32 38	15.0	99.9	377	22
PK359- 3.1		PLNNB	SCO	17 56.4	-31 05	99.9	99.9	377	22
Tr 30	Harvard 18	OPNCL	SCO	17 56.5	-35 19	08.8	99.9	377	22
PK358- 9.1		PLNNB	LUP	17 56.6	-43 05	99.9	99.9	408	22
NGC 6494	M 23	OPNCL	SGR	17 56.8	-19 01	05.5	99.9	339	15
PK 10+ 3.1	The 4-10	PLNNB	SGR	17 57.2	-18 06	13.3	99.9	339	15
NGC 6536		GALXY	DRA	17 57.3	+64 56	13.4	13.5	030	03
PK356- 4.2	Haro 1-41	PLNNB	SCO	17 57.3	-34 10	14.1	99.9	377	22
NGC 6515		GALXY	DRA	17 57.4	+50 44	13.0	13.5	053	03
PK357- 4.1	Haro 1-42	PLNNB	SCO	17 57.4	-33 36	14.3	99.9	377	22
B 84a	LDN 302	DRKNB	SGR	17 57.5	-17 40	79.9	79.9	339	15
PK 0- 2.5		PLNNB	SGR	17 57.8	-30 02	13.6	99.9	377	22

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PK 0- 2.4	M2-21	PLNNB	SGR	17 58.1	-29 45	13.6	99.9	377	22
Ru 135		OPNCL	SER	17 58.2	-11 41	99.9	99.9	294	15
PK359- 3.2	Haro 2-33	PLNNB	SGR	17 58.2	-31 08	14.4	99.9	377	22
PK358- 3.1		PLNNB	SGR	17 58.2	-31 43	99.9	99.9	377	22
PK357- 4.3		PLNNB	SCO	17 58.2	-33 48	99.9	99.9	377	22
PK 0- 2.6	M3-19	PLNNB	SGR	17 58.3	-30 01	15.3	99.9	377	22
PK 2- 1.1	Perek 2-11	PLNNB	SGR	17 58.5	-27 37	16.3	99.9	339	22
PK357- 4.2	M2-22	PLNNB	SCO	17 58.5	-33 29	13.2	99.9	377	22
NGC 6543	H IV 37	PLNNB	DRA	17 58.6	+66 38	08.3	99.9	030	03
PK 13+ 4.1		PLNNB	SER	17 59.0	-15 32	13.0	99.9	294	15
NGC 6453		GLOCL	SCO	17 59.0	-34 36	09.9	99.9	377	22
NGC 6496		GLOCL	SCO	17 59.0	-44 16	09.2	99.9	408	22
UGC 11074		GALXY	OPH	17 59.1	+07 09	13.3	14.2	204	15
NGC 6532		GALXY	DRA	17 59.1	+56 13	13.9	14.2	053	03
PK358- 4.1	Haro 1-46	PLNNB	SCO	17 59.1	-32 22	99.9	99.9	377	22
NGC 6524		GALXY	HER	17 59.2	+45 55	12.8	13.0	081	08
PK 2- 2.2	M3-20	PLNNB	SGR	17 59.3	-28 14	14.3	99.9	377	22
NGC 6509		GALXY	OPH	17 59.4	+06 17	12.5	13.0	204	15
NGC 6513		GALXY	HER	17 59.5	+24 54	13.3	13.3	159	08
NGC 6483		GALXY	PAV	17 59.5	-63 40	11.9	12.3	455	26
NGC 6507	H VIII 53	OPNCL	SGR	17 59.6	-17 24	09.6	99.9	339	15
NGC 6518		GALXY	HER	17 59.7	+28 52	15.0	99.9	116	08
NGC 6542		GALXY	DRA	17 59.7	+61 21	13.3	12.3	030	03
NGC 6506		NONEX	SGR	17 59.8	-24 39	99.9	99.9	339	22
Tr 31	Cr 357	OPNCL	SGR	17 59.9	-28 11	09.8	99.9	377	22
PK359- 4.1	M3-48	PLNNB	SGR	17 59.9	-31 54	15.4	99.9	377	22
NGC 6552		GALXY	DRA	18 00.1	+66 36	13.6	13.1	030	03
Ru 136		OPNCL	SGR	18 00.1	-23 18	99.9	99.9	339	22
PK 11+ 2.1		PLNNB	SGR	18 00.2	-17 40	13.2	99.9	339	15
PK352- 7.1	Fleming 3,VV 133	PLNNB	CRA	18 00.2	-38 50	11.4	99.9	377	22
PK356- 5.1	Haro 2-35	PLNNB	SCO	18 00.3	-34 28	14.7	99.9	377	22
PK 1- 3.1		PLNNB	SGR	18 00.6	-29 22	99.9	99.9	377	22
Ru 138		OPNCL	SGR	18 00.8	-23 19	99.9	99.9	339	22
Ru 137		OPNCL	SGR	18 00.8	-24 49	99.9	99.9	339	22
Mel 186	Cr 359	OPNCL	OPH	18 01.0	+03 00	03	99.9	249	15
PK 2- 2.3	Perek 2-12	PLNNB	SGR	18 01.2	-27 38	99.9	99.9	339	22
PK357- 5.1	M1-34	PLNNB	SGR	18 01.4	-33 18	13.5	99.9	377	22
PK 2- 2.4	M2-23	PLNNB	SGR	18 01.7	-28 26	12.4	99.9	377	22
PK358- 5.1		PLNNB	SGR	18 01.7	-33 15	13.0	99.9	377	22
NGC 6527		GALXY	HER	18 01.8	+19 44	13.4	13.7	159	15
NGC 6517	H II 199	GLOCL	OPH	18 01.8	-08 58	10.3	99.9	294	15
Ter 9		GLOCL	SGR	18 01.8	-26 52	99.9	99.9	339	22
UGC 11093		GALXY	OPH	18 01.9	+06 58	13.0	13.4	204	15
Ru 139		OPNCL	SGR	18 02.0	-22 27	99.9	99.9	339	22
Bochum 14		OPNCL	SGR	18 02.0	-23 42	09.3	99.9	339	22
PK356- 5.2	M2-24	PLNNB	SGR	18 02.0	-34 28	14.7	99.9	377	22
NGC 6525		NONEX	OPH	18 02.1	+11 03	99.9	99.9	204	15
NGC 6514	M 20	CL+NB	SGR	18 02.3	-23 02	06.3	99.9	339	22
PK 0- 3.1	M3-22	PLNNB	SGR	18 02.3	-30 14	15.1	99.9	377	22

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PK356- 6.1	M3-49	PLNNB	SGR	18 02.5	-35 13	14.9	99.9	377	22
PK355- 6.5		PLNNB	SGR	18 02.5	-36 39	99.9	99.9	377	22
B 85		DRKNB	SGR	18 02.6	-23 02	79.9	79.9	339	22
B 86	LDN 93	DRKNB	SGR	18 02.7	-27 50	79.9	79.9	339	22
PK359- 4.3	M2-25	PLNNB	SGR	18 02.8	-32 10	14.4	99.9	377	22
NGC 6492		GALXY	PAV	18 02.8	-66 25	11.5	12.6	455	26
NGC 6523	M 8	CL+NB	SGR	18 03.1	-24 23	05	99.9	339	22
PK 3- 2.2	M2-26	PLNNB	SGR	18 03.2	-26 58	13.8	99.9	339	22
IC 4673	PK3-2.3	PLNNB	SGR	18 03.3	-27 06	13.0	99.9	339	22
NGC 6520	H VII 7	OPNCL	SGR	18 03.4	-27 54	07.6	99.9	339	22
NGC 6519		NONEX	SGR	18 03.4	-29 48	99.9	99.9	377	22
Ter 10		GLOCL	SGR	18 03.6	-26 05	99.9	99.9	339	22
NGC 6522	H I 49	GLOCL	SGR	18 03.6	-30 02	08.6	99.9	377	22
PK 3- 2.1	M1-35	PLNNB	SGR	18 03.7	-26 44	14.6	99.9	339	22
NGC 6535		GLOCL	SER	18 03.8	-00 18	10.6	99.9	249	15
B 88-9,286		DRKNB	SGR	18 03.8	-24 23	79.9	79.9	339	22
PK359- 4.2		PLNNB	SGR	18 03.9	-31 18	14.2	99.9	377	22
PK358- 5.3		PLNNB	SGR	18 03.9	-32 42	14.5	99.9	377	22
NGC 6502		GALXY	PAV	18 03.9	-65 25	12.6	12.8	455	26
PK359- 4.4		PLNNB	SGR	18 04.1	-31 40	99.9	99.9	377	22
PK357- 6.1	M3-50	PLNNB	SGR	18 04.1	-34 29	15.9	99.9	377	22
B 87	LDN 1771	DRKNB	SGR	18 04.3	-32 30	79.9	79.9	377	22
PK 2- 3.2	Haro 2-37	PLNNB	SGR	18 04.5	-28 38	15.5	99.9	377	22
PK356- 6.2		PLNNB	SGR	18 04.5	-34 58	15.3	99.9	377	22
NGC 6531	M 21	OPNCL	SGR	18 04.6	-22 30	05.9	99.9	339	22
NGC 6539		GLOCL	SER	18 04.8	-07 35	09.6	99.9	294	15
NGC 6526	H V 9	BRTNB	SGR	18 04.8	-23 40	99.9	99.9	339	22
NGC 6530		OPNCL	SGR	18 04.8	-24 20	04.6	99.9	339	22
NGC 6528	H II 200	GLOCL	SGR	18 04.8	-30 03	09.5	99.9	377	22
NGC 6562		GALXY	DRA	18 04.9	+56 15	14.5	99.9	053	03
PK358- 5.4	M3-51	PLNNB	SGR	18 04.9	-32 54	15.0	99.9	377	22
PK354- 7.1		PLNNB	CRA	18 04.9	-37 38	14.5	99.9	377	22
PK 0- 3.1	M3-28	PLNNB	SGR	18 05.0	-30 58	14.5	99.9	377	22
PK 0- 3.1	M3-28	PLNNB	SGR	18 05.0	-30 58	15.1	99.9	377	22
NGC 6547		GALXY	HER	18 05.1	+25 13	13.6	12.6	159	08
NGC 6533		NONEX	SGR	18 05.1	-24 53	99.9	99.9	339	22
NGC 6537	PK10+0.1	PLNNB	SGR	18 05.2	-19 51	12.0	99.9	339	15
NGC 6560		GALXY	HER	18 05.3	+46 52	13.6	13.4	082	08
PK 2- 3.3		PLNNB	SGR	18 05.4	-28 22	99.9	99.9	377	22
UGC 11113		GALXY	HER	18 05.5	+23 16	13.6	14.8	159	08
NGC 6529		NONEX	SGR	18 05.5	-36 18	99.9	99.9	377	22
NGC 6549	UGC 11114	GALXY	HER	18 05.8	+18 32	13.7	13.0	159	15
NGC 6550		NONEX	HER	18 05.8	+18 32	99.9	99.9	159	15
NGC 6548	H III 555	GALXY	HER	18 06.0	+18 35	11.7	13.9	159	15
PK 4- 2.1		PLNNB	SGR	18 06.0	-26 30	99.9	99.9	339	22
Sh2- 46	Gum 80,RCW 158	BRTNB	SER	18 06.1	-14 10	99.9	99.9	294	15
PK 2- 3.5		PLNNB	SGR	18 06.1	-28 41	99.9	99.9	377	22
NGC 6540	H II 198	OPNCL	SGR	18 06.3	-27 49	14.6	99.9	339	22
Cr 468		OPNCL	SGR	18 06.6	-26 31	13.4	99.9	339	22

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PK 4- 3.1	M2-29	PLNNB	SGR	18 06.7	-26 55	14.6	99.9	339	22
NGC 6566		GALXY	DRA	18 07.0	+52 16	15.5	99.9	053	03
PK 2- 4.1	Haro 1-54	PLNNB	SGR	18 07.1	-29 13	14.2	99.9	377	22
PK 0- 4.2	M3-23	PLNNB	SGR	18 07.1	-30 34	15.0	99.9	377	22
NGC 6546		OPNCL	SGR	18 07.2	-23 20	08	99.9	339	22
PK 1- 4.1		PLNNB	SGR	18 07.2	-29 42	99.9	99.9	377	22
NGC 6544	H II 197	GLOCL	SGR	18 07.3	-25 00	08.3	99.9	339	22
PK342-14.1	Shapley 3	PLNNB	ARA	18 07.4	-51 03	11.9	99.9	434	26
UGC 11124	MCG +06-40-005	GALXY	HER	18 07.5	+35 33	12.7	14.5	116	08
PK 15+ 3.1		PLNNB	SER	18 07.5	-13 29	99.9	99.9	294	15
NGC 6555	H II 902	GALXY	HER	18 07.8	+17 36	12.4	13.5	159	15
PK 5- 2.1		PLNNB	SGR	18 07.9	-25 24	13.0	99.9	339	22
PK 1- 4.2		PLNNB	SGR	18 07.9	-29 45	14.2	99.9	377	22
NGC 6541	Dunlop 473	GLOCL	CRA	18 08.0	-43 42	06.6	99.9	409	22
PK 2- 3.6		PLNNB	SGR	18 08.1	-28 24	99.9	99.9	377	22
PK 8- 1.1		PLNNB	SGR	18 08.4	-22 17	13.9	99.9	339	22
PK 0- 5.1	Haro 2-40	PLNNB	SGR	18 08.4	-31 37	99.9	99.9	377	22
vdB 113		OPNCL	SGR	18 08.6	-20 31	99.9	99.9	339	22
DoDz 9		OPNCL	HER	18 08.8	+31 32	99.9	99.9	116	08
NGC 6598		GALXY	DRA	18 08.8	+69 04	14.0	99.9	030	03
NGC 6551		NONEX	SGR	18 09.0	-29 33	99.9	99.9	377	22
NGC 6564		NONEX	HER	18 09.1	+17 24	99.9	99.9	159	15
NGC 6554		NONEX	SGR	18 09.1	-18 26	99.9	99.9	339	15
IC 4684		BRTNB	SGR	18 09.1	-23 25	99.9	99.9	339	22
B303	LDN 210	DRKNB	SGR	18 09.2	-24 07	79.9	79.9	339	22
PK 5- 3.1		PLNNB	SGR	18 09.2	-26 03	99.9	99.9	339	22
IC 4685		BRTNB	SGR	18 09.3	-23 59	99.9	99.9	339	22
NGC 6553	H IV 12	GLOCL	SGR	18 09.3	-25 54	08.3	99.9	339	22
IC 1274		BRTNB	SGR	18 09.5	-23 44	99.9	99.9	339	22
PK 6- 2.1	M1-41	PLNNB	SGR	18 09.5	-24 12	16.0	99.9	339	22
Cr 367		OPNCL	SGR	18 09.6	-23 59	06.4	99.9	339	22
PK356- 7.2	Haro 1-57	PLNNB	SGR	18 09.8	-35 44	14.0	99.9	377	22
NGC 6592		GALXY	DRA	18 09.9	+61 25	15.5	99.9	030	03
PK358- 6.1		PLNNB	SGR	18 09.9	-33 19	12.0	99.9	377	22
B 91	LDN 227	DRKNB	SGR	18 10.0	-23 39	79.9	79.9	339	22
IC 1275		BRTNB	SGR	18 10.0	-23 50	99.9	99.9	339	22
NGC 6556		NONEX	SGR	18 10.0	-27 31	99.9	99.9	339	22
NGC 6559		BRTNB	SGR	18 10.1	-24 08	99.9	99.9	339	22
NGC 6594		GALXY	DRA	18 10.2	+61 07	15.5	99.9	030	03
B 90	LDN 108	DRKNB	SGR	18 10.2	-28 19	79.9	79.9	377	22
NGC 6558		GLOCL	SGR	18 10.3	-31 46	99.9	99.9	377	22
PK 18+ 4.1		PLNNB	SER	18 10.5	-10 29	99.9	99.9	294	15
NGC 6561	H VIII 54	NONEX	SGR	18 10.5	-16 48	99.9	99.9	294	15
IC 1276	Pal 7	GLOCL	SER	18 10.7	-07 12	10.3	99.9	294	15
NGC 6575		GALXY	HER	18 10.8	+31 05	12.7	13.6	116	08
NGC 6571		GALXY	HER	18 10.9	+21 14	15.5	99.9	159	08
NGC 6570	UGC 11137	GALXY	OPH	18 11.0	+14 05	12.7	13.3	204	15
NGC 6582		GALXY	HER	18 11.0	+49 53	15.0	99.9	082	08
PK 2- 4.2	M1-42	PLNNB	SGR	18 11.1	-28 59	13.3	99.9	377	22

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NGC 6597		GALXY	DRA	18 11.3	+61 10	15.5	99.9	030	03
PK 3- 4.3		PLNNB	SGR	18 11.5	-27 46	14.3	99.9	339	22
PK 3- 4.7		PLNNB	SGR	18 11.6	-28 22	11.0	99.9	377	22
UGC 11141		GALXY	OPH	18 11.8	+12 05	13.2	14.4	204	15
NGC 6574		GALXY	HER	18 11.8	+14 58	12.0	12.3	204	15
NGC 6576		GALXY	HER	18 11.8	+21 25	15.5	99.9	159	08
PK 11- 0.1	M1-43	PLNNB	SGR	18 11.8	-18 46	15.0	99.9	339	15
NGC 6601		GALXY	DRA	18 11.9	+61 26	15.5	99.9	030	03
NGC 6565	PK3-4.5	PLNNB	SGR	18 11.9	-28 11	13.0	99.9	377	22
NGC 6563	PK358-7.1	PLNNB	SGR	18 12.0	-33 52	13.0	99.9	377	22
NGC 6572	PK34+11.1	PLNNB	OPH	18 12.1	+06 51	09	99.9	204	15
NGC 6577	UGC 11148	GALXY	HER	18 12.1	+21 28	12.6	13.4	159	08
PK 18+ 3.1		PLNNB	SER	18 12.2	-10 43	99.9	99.9	294	15
NGC 6607		GALXY	DRA	18 12.3	+61 19	15.0	99.9	030	03
NGC 6545		GALXY	PAV	18 12.3	-63 46	13.2	13.0	455	26
NGC 6585		GALXY	HER	18 12.4	+39 37	12.8	12.4	082	08
PK 5- 3.2	Haro 2-42	PLNNB	SGR	18 12.4	-26 33	99.9	99.9	339	22
PK 4- 4.1		PLNNB	SGR	18 12.4	-27 29	15.0	99.9	339	22
PK 3- 4.4	Haro 2-41	PLNNB	SGR	18 12.4	-27 52	14.5	99.9	339	22
UGC 11152		GALXY	HER	18 12.5	+18 36	13.6	14.4	159	15
NGC 6579	UGC 11153	GALXY	HER	18 12.6	+21 24	14.0	99.9	159	08
NGC 6581		GALXY	HER	18 12.6	+25 25	15.5	99.9	159	08
NGC 6608		GALXY	DRA	18 12.6	+61 19	15.5	99.9	030	03
NGC 6609		GALXY	DRA	18 12.6	+61 19	15.5	99.9	030	03
Ter 11		GLOCL	SGR	18 12.6	-22 45	99.9	99.9	339	22
PK 6- 3.1		PLNNB	SGR	18 12.6	-24 50	99.9	99.9	339	22
PK 3- 4.8	M2-30	PLNNB	SGR	18 12.6	-27 58	13.1	99.9	339	22
NGC 6580		GALXY	HER	18 12.7	+21 24	14.0	99.9	159	08
NGC 6568	H VII 30	OPNCL	SGR	18 12.8	-21 36	08.6	99.9	339	22
PK 3- 4.9		PLNNB	SGR	18 12.8	-28 20	12.0	99.9	377	22
NGC 6622		GALXY	DRA	18 13.0	+68 20	13.5	99.9	030	03
NGC 6621	UGC 11175	GALXY	DRA	18 13.0	+68 21	13.5	99.9	030	03
PK 6- 3.3	M2-31	PLNNB	SGR	18 13.3	-25 30	13.2	99.9	339	22
PK359- 6.1		PLNNB	SGR	18 13.3	-32 20	99.9	99.9	377	22
NGC 6569	H II 201	GLOCL	SGR	18 13.6	-31 50	08.7	99.9	377	22
NGC 6586		GALXY	HER	18 13.7	+21 05	14.5	99.9	159	08
NGC 6567	PK11-0.2	PLNNB	SGR	18 13.7	-19 05	11.5	99.9	339	15
PK 5- 4.1	Haro 2-44	PLNNB	SGR	18 13.7	-26 09	14.1	99.9	339	22
NGC 6573		NONEX	SGR	18 13.8	-22 10	99.9	99.9	339	22
NGC 6587		GALXY	HER	18 13.9	+18 49	12.9	13.2	159	15
NGC 6591		GALXY	HER	18 14.0	+21 02	99.9	99.9	159	08
NGC 6617		GALXY	DRA	18 14.1	+61 19	14.6	14.7	030	03
NGC 6593		GALXY	HER	18 14.2	+22 16	15.5	99.9	159	08
PK 24+ 5.1	M4-9	PLNNB	SGR	18 14.3	-04 59	14.0	99.9	249	15
vdB-Ha 261		OPNCL	SGR	18 14.3	-27 19	99.9	99.9	339	22
PK 6- 3.2	Haro 2-45	PLNNB	SGR	18 14.5	-24 44	14.5	99.9	339	22
PK 2- 5.1		PLNNB	SGR	18 14.6	-29 49	11.5	99.9	377	22
NGC 6606		GALXY	LYR	18 14.7	+43 16	14.5	99.9	082	08
PK359- 7.1	M2-32	PLNNB	SGR	18 14.9	-32 37	14.0	99.9	377	22

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PK 2- 6.1	M2-33	PLNNB	SGR	18 15.1	-30 16	14.0	99.9	377	22
PK 19+ 3.1	M3-25	PLNNB	SER	18 15.3	-10 10	12.5	99.9	294	15
Markarian 38		OPNCL	SGR	18 15.4	-18 58	99.9	99.9	339	15
PK 1- 6.1		PLNNB	SGR	18 15.4	-30 32	14.0	99.9	377	22
B 92	LDN 323	DRKNB	SGR	18 15.5	-18 11	79.9	79.9	339	15
NGC 6599		GALXY	HER	18 15.6	+24 56	12.6	13.0	159	08
NGC 6600		NONEX	HER	18 15.7	+25 02	99.9	99.9	159	08
NGC 6583	H VII 31	OPNCL	SGR	18 15.8	-22 08	10.0	99.9	339	22
Sh2- 35	Gum 77b,RCW 151	BRTNB	SGR	18 15.9	-20 15	99.9	99.9	339	22
NGC 6612		GALXY	LYR	18 16.2	+36 05	15.5	99.9	116	08
PK 4- 5.1	M3-26	PLNNB	SGR	18 16.2	-27 15	14.0	99.9	339	22
PK 1- 6.2		PLNNB	SGR	18 16.2	-30 52	11.8	99.9	377	22
NGC 6578	PK10-1.1	PLNNB	SGR	18 16.3	-20 27	13.1	99.9	339	22
PK 4- 4.2	M1-44	PLNNB	SGR	18 16.3	-27 05	13.7	99.9	339	22
PK 2- 6.2		PLNNB	SGR	18 16.3	-30 08	99.9	99.9	377	22
Cr 469		OPNCL	SGR	18 16.4	-18 13	09.1	99.9	339	15
PK 30+ 8.1		PLNNB	OPH	18 16.5	+01 53	99.9	99.9	249	15
IC 4701	Gum 79,RCW 157	BRTNB	SGR	18 16.5	-16 44	99.9	99.9	294	15
NGC 6602		GALXY	HER	18 16.6	+25 02	14.5	99.9	159	08
B 93	LDN 327	DRKNB	SGR	18 16.9	-18 04	79.9	79.9	339	15
Mel 197	M 24	OPNCL	SGR	18 17.0	-18 35	04	99.9	339	22
NGC 6589	IC 1283,IC 4690	BRTNB	SGR	18 17.0	-19 38	99.9	99.9	339	15
NGC 6590		BRTNB	SGR	18 17.0	-19 43	99.9	99.9	339	15
NGC 6595	IC 4700	OPNCL	SGR	18 17.0	-19 53	07	99.9	339	15
NGC 6605	H VIII 47	OPNCL	SER	18 17.1	-14 58	06	99.9	294	15
NGC 6610		NONEX	HER	18 17.2	+15 00	99.9	99.9	204	15
PK 7- 3.1	M2-34	PLNNB	SGR	18 17.3	-23 59	14.0	99.9	339	22
NGC 6596	H VIII 55	OPNCL	SGR	18 17.5	-16 40	99.9	99.9	294	15
PK 38+12.1	Canon 3-1	PLNNB	OPH	18 17.6	+10 09	13.5	99.9	204	15
PK 0- 7.1	M2-35	PLNNB	SGR	18 17.6	-31 57	14.9	99.9	377	22
Tr 32	Harvard 19	OPNCL	SER	18 17.7	-12 37	12.2	99.9	294	15
PK 4- 5.3	Perek 1-12	PLNNB	SGR	18 17.7	-28 17	99.9	99.9	377	22
PK 3- 6.1	M2-36	PLNNB	SGR	18 17.7	-29 08	13.0	99.9	377	22
NGC 6616	UGC 11192	GALXY	HER	18 17.8	+22 15	13.8	13.5	159	08
IC 1284	Gum 78,RCW 153	BRTNB	SGR	18 17.8	-19 40	99.9	99.9	339	15
NGC 6604	H VIII 15	OPNCL	SER	18 18.1	-12 14	06.5	99.9	294	15
PK 6- 4.1	Perek 2-13	PLNNB	SGR	18 18.2	-25 38	15.0	99.9	339	22
PK337-18.1		PLNNB	PAV	18 18.2	-57 12	99.9	99.9	434	26
NGC 6603		OPNCL	SGR	18 18.4	-18 25	11.1	99.9	339	15
PK 8- 3.1	Haro 1-64	PLNNB	SGR	18 18.4	-23 25	14.0	99.9	339	22
IC 4699	PK348-13.1	PLNNB	TEL	18 18.5	-45 59	12.0	99.9	409	22
NGC 6615		GALXY	OPH	18 18.6	+13 17	13.1	12.7	204	15
PK 4- 5.5	M2-37	PLNNB	SGR	18 18.6	-28 08	14.0	99.9	377	22
NGC 6584	Dunlop 376	GLOCL	TEL	18 18.6	-52 13	09.2	99.9	434	26
PK 0- 7.2		PLNNB	SGR	18 18.7	-31 55	15.0	99.9	377	22
NGC 6619		GALXY	HER	18 18.8	+23 40	13.0	13.3	159	08
NGC 6611	M 16	CL+NB	SER	18 18.8	-13 47	06	99.9	294	15
PK 5- 5.1	M2-38	PLNNB	SGR	18 19.4	-26 35	15.0	99.9	339	22
NGC 6623	UGC 11203	GALXY	HER	18 19.5	+23 43	14.5	99.9	159	08

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NGC 6643		GALXY	DRA	18 19.8	+74 35	11.1	13.1	012	03
NGC 6613	M 18	OPNCL	SGR	18 19.9	-17 08	06.9	99.9	339	15
IC 4715		OPNCL	SGR	18 19.9	-17 59	99.9	99.9	339	15
PK 7- 4.1		PLNNB	SGR	18 20.1	-24 15	99.9	99.9	339	22
NGC 6618	M 17	CL+NB	SGR	18 20.8	-16 11	06	99.9	294	15
PK 24+ 3.1	M2-40	PLNNB	SER	18 21.4	-06 02	14.0	99.9	294	15
NGC 6588		NONEX	PAV	18 21.4	-63 48	99.9	99.9	455	26
NGC 6557		GALXY	APS	18 21.4	-76 34	99.9	99.9	469	26
Ru 140		OPNCL	SGR	18 21.8	-33 15	99.9	99.9	378	22
PK 94+27.1	K1-16	PLNNB	DRA	18 21.9	+64 22	14.2	99.9	030	03
NGC 6636		GALXY	DRA	18 22.0	+66 38	14.0	99.9	030	03
PK 8- 4.1		PLNNB	SGR	18 22.0	-24 11	99.9	99.9	339	22
NGC 6628		GALXY	HER	18 22.2	+23 29	12.9	13.7	159	08
NGC 6627		GALXY	HER	18 22.6	+15 42	13.3	13.5	204	15
PK 8- 4.2	M2-42	PLNNB	SGR	18 22.6	-24 10	13.3	99.9	339	22
PK 2- 7.1	M2-41	PLNNB	SGR	18 22.6	-30 44	15.8	99.9	378	22
NGC 6620	PK5-6.1	PLNNB	SGR	18 23.0	-26 49	14.0	99.9	339	22
NGC 6625		OPNCL	SCT	18 23.2	-12 03	09	99.9	294	15
PK 12- 2.1		PLNNB	SGR	18 23.2	-19 17	99.9	99.9	339	15
PK 32+ 7.1		PLNNB	OPH	18 23.4	+03 37	99.9	99.9	249	15
NGC 6624	H I 50	GLOCL	SGR	18 23.7	-30 22	08.3	99.9	378	22
PK 19+ 0.1	M3-53	PLNNB	SCT	18 24.1	-11 07	15.5	99.9	295	15
NGC 6654	UGC 11238	GALXY	DRA	18 24.2	+73 11	12.0	13.7	012	03
NGC 6651		GALXY	DRA	18 24.3	+71 36	13.1	13.1	030	03
NGC 6626	M 28	GLOCL	SGR	18 24.5	-24 52	06.9	99.9	340	22
PK 32+ 7.2		PLNNB	SER	18 24.7	+02 30	99.9	99.9	250	15
Tr 33	Cr 378	OPNCL	SGR	18 24.8	-19 41	07.8	99.9	340	15
NGC 6632		GALXY	HER	18 25.0	+27 32	12.1	13.6	160	08
PK 28+ 5.1	K3-2	PLNNB	SER	18 25.0	-01 31	14.5	99.9	250	15
PK234- 6.1		PLNNB	SER	18 25.0	-01 31	14.5	99.9	250	15
PK234- 6.1		PLNNB	SER	18 25.0	-01 31	14.8	99.9	250	15
PK 7- 6.1	Haro 1-66	PLNNB	SGR	18 25.0	-25 42	13.5	99.9	340	22
PK 9- 4.1	Haro 1-67	PLNNB	SGR	18 25.1	-22 35	15.0	99.9	340	22
Sh2- 53		BRTNB	SCT	18 25.2	-13 13	99.9	99.9	295	15
NGC 6614		GALXY	PAV	18 25.2	-63 14	12.8	13.1	455	26
NGC 6650		GALXY	DRA	18 25.4	+68 00	15.0	99.9	030	03
Do 28		OPNCL	SCT	18 25.4	-14 39	99.9	99.9	295	15
Ru 170		OPNCL	SCT	18 25.5	-09 53	99.9	99.9	295	15
NGC 6648		NONEX	DRA	18 25.6	+64 59	99.9	99.9	030	03
B 95	LDN 406	DRKNB	SCT	18 25.6	-11 45	79.9	79.9	295	15
NGC 6629	PK9-5.1,H II 204	PLNNB	SGR	18 25.7	-23 12	10.5	99.9	340	22
NGC 6438		GALXY	OCT	18 25.8	-85 25	11.1	11.8	472	26
NGC 6438A		GALXY	OCT	18 26.3	-85 25	12.1	13.0	472	26
PK 27+ 4.1		PLNNB	SER	18 26.7	-02 43	99.9	99.9	250	15
PK 31+ 5.1	K3-3	PLNNB	SER	18 27.1	+01 15	14.6	99.9	250	15
NGC 6631		OPNCL	SCT	18 27.2	-12 02	11.7	99.9	295	15
NGC 6635		GALXY	HER	18 27.5	+14 49	14.5	99.9	205	15
NGC 6633	H VIII 72	OPNCL	OPH	18 27.7	+06 34	04.6	99.9	205	15
PK 43+11.1	M3-27	PLNNB	HER	18 27.8	+14 29	13.9	99.9	205	15

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PK356-11.1	Longmore 17	PLNNB	CRA	18 27.8	-37 16	15.0	99.9	378	22
PK 16- 1.1	M1-46	PLNNB	SCT	18 28.0	-15 33	15.6	99.9	295	15
PK 7- 6.2	VY 2-1	PLNNB	SGR	18 28.0	-26 07	13.1	99.9	340	22
NGC 6640		GALXY	LYR	18 28.1	+34 18	13.5	13.2	117	08
IC 4710		GALXY	PAV	18 28.7	-66 59	11.9	14.3	455	26
NGC 6641		GALXY	HER	18 28.8	+22 54	13.3	12.6	160	08
B 97	LDN 435	DRKNB	SCT	18 29.1	-09 56	79.9	79.9	295	15
PK 11- 5.1	M1-47	PLNNB	SGR	18 29.2	-21 47	14.0	99.9	340	22
PK 2- 9.1	Canon 1-5	PLNNB	SGR	18 29.2	-31 30	11.9	99.9	378	22
PK 13- 3.1	M1-48	PLNNB	SGR	18 29.5	-19 06	13.0	99.9	340	15
NGC 6646	H II 907	GALXY	LYR	18 29.6	+39 52	12.6	12.7	082	08
NGC 6634		NONEX	SGR	18 29.9	-33 25	99.9	99.9	378	22
PK 13- 4.1	Perek 2-14	PLNNB	SGR	18 30.0	-19 41	14.4	99.9	340	15
PK 15- 3.1	Abell 44	PLNNB	SCT	18 30.2	-16 45	12.6	99.9	295	15
PK 20- 0.1	Abell 45	PLNNB	SCT	18 30.3	-11 37	12.9	99.9	295	15
vdB 123		BRTNB	SER	18 30.5	+01 11	99.9	99.9	250	15
NGC 6667		GALXY	DRA	18 30.6	+67 59	12.6	13.5	030	03
NGC 6668		NONEX	DRA	18 30.8	+67 09	99.9	99.9	030	03
NGC 6639	H VIII 57	OPNCL	SCT	18 30.9	-13 12	99.9	99.9	295	15
B312	LDN 379	DRKNB	SCT	18 30.9	-15 08	79.9	79.9	295	15
NGC 6638	H I 51	GLOCL	SGR	18 30.9	-25 30	09.2	99.9	340	22
PK 32+ 5.1	K3-4	PLNNB	SER	18 31.0	+02 25	14.6	99.9	250	15
PK 55+16.1	Abell 46	PLNNB	LYR	18 31.3	+26 56	15.6	99.9	160	08
IC 1287		BRTNB	SCT	18 31.3	-10 50	99.9	99.9	295	15
Ru 141		OPNCL	SCT	18 31.3	-12 19	99.9	99.9	295	15
Do 29		OPNCL	SCT	18 31.4	-06 38	99.9	99.9	295	15
Sh2- 64		BRTNB	SER	18 31.6	-01 55	99.9	99.9	250	15
IC 4725	M 25	OPNCL	SGR	18 31.6	-19 15	04.6	99.9	340	15
PK 34+ 6.1	K3-5	PLNNB	SER	18 31.8	+04 05	15.0	99.9	250	15
NGC 6642	H II 205	GLOCL	SGR	18 31.9	-23 29	08.8	99.9	340	22
PK 8- 7.1		PLNNB	SGR	18 31.9	-24 47	14.2	99.9	340	22
PK 37+ 7.1		PLNNB	OPH	18 32.2	+07 14	99.9	99.9	205	15
Sh2- 55		BRTNB	SCT	18 32.2	-11 46	99.9	99.9	295	15
Ru 142		OPNCL	SCT	18 32.5	-11 41	99.9	99.9	295	15
PK 5- 8.1		PLNNB	SGR	18 32.5	-28 43	14.0	99.9	378	22
Ru 171		OPNCL	SCT	18 32.6	-15 53	99.9	99.9	295	15
NGC 6645	H VI 23	OPNCL	SGR	18 32.6	-16 54	08.5	99.9	295	15
NGC 6644	PK8-7.2	PLNNB	SGR	18 32.6	-25 08	12.2	99.9	340	22
NGC 6630		GALXY	PAV	18 32.6	-63 17	13.9	13.1	455	26
B100-1	LDN 443	DRKNB	SCT	18 32.7	-09 08	79.9	79.9	295	15
PK 21- 0.1	M3-28	PLNNB	SCT	18 32.7	-10 06	13.8	99.9	295	15
Do 30		OPNCL	SCT	18 32.9	-06 02	99.9	99.9	295	15
NGC 6657		GALXY	LYR	18 33.0	+34 02	14.0	99.9	117	08
Ru 143		OPNCL	SCT	18 33.0	-11 48	99.9	99.9	295	15
PK 18- 2.1		PLNNB	SCT	18 33.0	-13 45	99.9	99.9	295	15
NGC 6676		GALXY	DRA	18 33.2	+66 57	14.4	13.5	030	03
NGC 6678	H VI 15	NONEX	DRA	18 33.2	+67 51	99.9	99.9	030	03
PK 30+ 4.1		PLNNB	SER	18 33.3	+00 12	99.9	99.9	250	15
PK 26+ 0.1	VV 1-8	BRTNB	SCT	18 33.3	-04 58	99.9	99.9	250	15

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PK 21- 0.2		PLNNB	SCT	18 33.3	-10 15	99.9	99.9	295	15
NGC 6647	H VIII 14	OPNCL	SGR	18 33.3	-17 20	08	99.9	340	15
PK 14- 4.1	M1-50	PLNNB	SGR	18 33.4	-18 17	15.0	99.9	340	15
NGC 6663		GALXY	LYR	18 33.5	+40 03	13.9	13.7	082	08
NGC 6670		GALXY	DRA	18 33.5	+59 53	15.5	99.9	054	03
NGC 6649		OPNCL	SCT	18 33.5	-10 24	08.9	99.9	295	15
PK 21- 1.1	M1-51	PLNNB	SCT	18 33.5	-11 07	13.0	99.9	295	15
NGC 6677	UGC 11288	GALXY	DRA	18 33.6	+67 08	13.5	99.9	030	03
NGC 6679		GALXY	DRA	18 33.6	+67 08	13.5	99.9	030	03
NGC 6658	UGC 11274	GALXY	HER	18 33.8	+22 53	12.9	12.4	160	08
NGC 6672		GALXY	LYR	18 33.8	+42 48	15.0	99.9	082	08
Ru 144		OPNCL	SCT	18 33.8	-10 30	99.9	99.9	295	15
PK 36+ 6.1		PLNNB	SER	18 33.9	+05 53	99.9	99.9	205	15
NGC 6659		NONEX	HER	18 33.9	+23 34	99.9	99.9	160	08
IC 1291	UGC 11283	GALXY	DRA	18 33.9	+49 16	13.0	13.9	082	08
NGC 6662		GALXY	LYR	18 34.0	+32 03	13.7	13.3	117	08
PK 17- 2.1	M1-52	PLNNB	SCT	18 34.0	-14 52	14.8	99.9	295	15
IC 4732	PK10-6.1	PLNNB	SGR	18 34.1	-22 37	13.3	99.9	340	22
PK 28+ 2.1		PLNNB	SER	18 34.2	-02 28	99.9	99.9	250	15
PK 19- 2.1		PLNNB	SCT	18 34.2	-13 13	99.9	99.9	295	15
NGC 6637	M 69	GLOCL	SGR	18 34.4	-32 21	07.7	99.9	378	22
IC 4721	ESO 140-G027	GALXY	PAV	18 34.4	-58 30	11.6	13.7	435	26
NGC 6661	UGC 11282	GALXY	HER	18 34.5	+22 54	12.1	12.6	160	08
NGC 6665		GALXY	LYR	18 34.5	+30 42	14.5	99.9	117	08
NGC 6660		NONEX	HER	18 34.6	+22 44	99.9	99.9	160	08
NGC 6666		NONEX	LYR	18 34.7	+33 35	99.9	99.9	117	08
NGC 6689		NONEX	DRA	18 34.8	+70 31	99.9	99.9	030	03
NGC 6690		GALXY	DRA	18 34.8	+70 31	12.5	14.0	030	03
NGC 6655		NONEX	SCT	18 34.8	-05 59	99.9	99.9	295	15
PK 35+ 5.1		PLNNB	SER	18 34.9	+05 04	99.9	99.9	250	15
Do 31		OPNCL	SCT	18 34.9	-06 51	99.9	99.9	295	15
PK 10- 6.2	Perek 1-13	PLNNB	SGR	18 34.9	-22 43	15.5	99.9	340	22
PK 6- 8.1	Allen 1	PLNNB	SGR	18 34.9	-27 07	16.0	99.9	340	22
PK 30+ 3.1		PLNNB	SER	18 35.4	+00 13	99.9	99.9	250	15
Graff 1		OPNCL	SER	18 35.4	+05 10	99.9	99.9	250	15
PK 15- 4.1	M1-53	PLNNB	SGR	18 35.8	-17 36	13.1	99.9	340	15
NGC 6652		GLOCL	SGR	18 35.8	-32 59	08.9	99.9	378	22
IC 4723		PLNNB	PAV	18 35.8	-63 24	15.0	99.9	455	26
PK 16- 4.1	M1-54	PLNNB	SGR	18 36.2	-17 00	13.0	99.9	295	15
NGC 6656	M 22	GLOCL	SGR	18 36.4	-23 54	05.1	99.9	340	22
PK 11- 6.1		PLNNB	SGR	18 36.6	-21 50	99.9	99.9	340	22
NGC 6664	H VIII 12	OPNCL	SCT	18 36.7	-08 13	07.8	99.9	295	15
NGC 6687		GALXY	DRA	18 37.2	+59 37	14.0	14.4	054	03
NGC 6671		GALXY	LYR	18 37.4	+26 24	14.0	99.9	160	08
NGC 6675		GALXY	LYR	18 37.4	+40 04	12.4	13.1	082	08
LDN 564		DRKNB	SER	18 37.6	-01 12	79.9	79.9	250	15
PK 28+ 1.1	M2-44	PLNNB	SER	18 37.6	-03 06	13.5	99.9	250	15
B314	LDN 445	DRKNB	SCT	18 37.7	-09 37	79.9	79.9	295	15
PK 16- 4.2	M1-56	PLNNB	SGR	18 37.8	-17 05	13.5	99.9	340	15

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NGC 6669		GALXY	HER	18 38.0	+22 04	99.9	99.9	160	08
NGC 6674		GALXY	HER	18 38.5	+25 22	12.2	14.4	160	08
LDN 557		DRKNB	SER	18 38.6	-01 47	79.9	79.9	250	15
IC 4756	Cr 386	OPNCL	SER	18 39.0	+05 27	04.6	99.9	250	15
B103	LDN 497	DRKNB	SCT	18 39.2	-06 37	79.9	79.9	295	15
NGC 6691		GALXY	DRA	18 39.3	+55 37	12.9	13.7	054	03
NGC 6654A		GALXY	DRA	18 39.4	+73 34	12.9	13.5	012	03
PK 27+ 0.1	M2-45	PLNNB	SCT	18 39.4	-04 20	14.1	99.9	250	15
PK 4-11.1	M3-29	PLNNB	SGR	18 39.5	-30 41	13.1	99.9	378	22
NGC 6682		OPNCL	AQL	18 39.6	-04 46	99.9	99.9	250	15
NGC 6680		GALXY	HER	18 39.8	+22 18	15.5	99.9	160	08
NGC 6685		GALXY	LYR	18 39.8	+40 02	13.4	13.3	082	08
Tr 34	Cr 387	OPNCL	SCT	18 39.8	-08 29	08.6	99.9	295	15
NGC 6696		GALXY	DRA	18 40.0	+59 19	16.0	99.9	054	03
NGC 6686		GALXY	LYR	18 40.1	+40 08	15.0	99.9	082	08
Do 32		OPNCL	SCT	18 40.4	-04 06	99.9	99.9	250	15
PK 22- 2.1	M1-57	PLNNB	SCT	18 40.4	-10 40	14.0	99.9	295	15
NGC 6688	UGC 11324	GALXY	LYR	18 40.7	+36 16	12.6	13.6	117	08
PK 56+14.1	K2-6	PLNNB	LYR	18 41.1	+26 55	14.1	99.9	160	08
PK 23- 1.2		PLNNB	SCT	18 41.1	-08 56	99.9	99.9	295	15
Do 33		OPNCL	SER	18 41.2	-03 30	99.9	99.9	250	15
PK 17- 4.1	M3-30	PLNNB	SCT	18 41.3	-15 34	16.4	99.9	295	15
Pal 8		GLOCL	SGR	18 41.5	-19 49	11.2	99.9	340	15
NGC 6693		1STAR	LYR	18 41.6	+36 54	99.9	99.9	117	08
NGC 6692		GALXY	LYR	18 41.7	+34 49	14.5	99.9	117	08
PK 25- 0.1	Perek 1-14	PLNNB	SCT	18 42.1	-06 41	15.6	99.9	295	15
NGC 6683		OPNCL	SCT	18 42.2	-06 17	09.4	99.9	295	15
Do 34		OPNCL	AQL	18 42.5	-03 19	99.9	99.9	250	15
PK 12- 7.1		PLNNB	SGR	18 42.6	-21 17	12.0	99.9	340	22
NGC 6695		GALXY	LYR	18 42.7	+40 24	13.5	13.1	082	08
PK 29+ 0.1	Abell 48	PLNNB	AQL	18 42.8	-03 13	13.5	99.9	250	15
Tr 35	Cr 388	OPNCL	SCT	18 42.9	-04 08	09.2	99.9	250	15
PK 22- 3.1	M1-58	PLNNB	SCT	18 43.0	-11 07	12.4	99.9	295	15
PK 31+ 1.1		PLNNB	AQL	18 43.1	-00 17	99.9	99.9	250	15
NGC 6701		GALXY	DRA	18 43.2	+60 41	12.1	12.7	054	03
NGC 6681	M 70	GLOCL	SGR	18 43.2	-32 18	08.1	99.9	378	22
PK 23- 2.1	M1-59	PLNNB	SCT	18 43.4	-09 05	12.4	99.9	295	15
PK 19- 4.1	M1-60	PLNNB	SCT	18 43.7	-13 45	12.3	99.9	295	15
PK 14- 7.1	M3-31	PLNNB	SGR	18 44.2	-19 54	14.2	99.9	340	15
PK 4-11.2	He2-418	PLNNB	SGR	18 44.3	-30 19	14.0	99.9	378	22
NGC 6653		UVSOB	PAV	18 44.6	-73 15	99.9	99.9	469	26
PK 37+ 4.1		PLNNB	SER	18 44.7	+06 07	99.9	99.9	205	15
PK 9- 9.1	M3-32	PLNNB	SGR	18 44.7	-25 20	14.0	99.9	340	22
NGC 6673		GALXY	PAV	18 45.1	-62 17	11.6	12.4	456	26
NGC 6697		GALXY	HER	18 45.2	+25 31	12.7	12.9	160	08
NGC 6694	M 26	OPNCL	SCT	18 45.2	-09 24	08	99.9	295	15
PK 34+ 2.1		PLNNB	AQL	18 45.4	+02 01	99.9	99.9	250	15
PK 26- 1.2		PLNNB	SCT	18 45.5	-06 57	99.9	99.9	295	15
PK 26- 1.1	K4-5	PLNNB	SCT	18 45.6	-06 19	99.9	99.9	295	15

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PK 13- 7.1	Peimbert 21	PLNNB	SGR	18 45.6	-20 35	15.7	99.9	340	22
Berk 79		OPNCL	AQL	18 45.8	+00 41	99.9	99.9	250	15
IC 4776	PK2-13.1	PLNNB	SGR	18 45.8	-33 21	12.5	99.9	378	22
NGC 6714		NONEX	DRA	18 45.9	+66 44	99.9	99.9	031	03
PK 19- 5.1	M1-61	PLNNB	SCT	18 45.9	-14 28	12.5	99.9	295	15
NGC 6700		GALXY	LYR	18 46.0	+32 17	13.1	13.4	117	08
PK 25- 2.1	Perek 1-15	PLNNB	SCT	18 46.4	-07 15	14.1	99.9	295	15
PK 11- 9.1		PLNNB	SGR	18 46.5	-23 27	99.9	99.9	340	22
NGC 6702	UGC 11354	GALXY	LYR	18 46.9	+45 43	12.2	13.1	082	08
NGC 6703		GALXY	LYR	18 47.3	+45 34	11.3	13.1	082	08
B104	LDN 532	DRKNB	SCT	18 47.3	-04 32	79.9	79.9	250	15
PK 26- 2.1	Perek 1-16	PLNNB	SCT	18 47.6	-06 54	14.0	99.9	295	15
PK 24- 3.1	Perek 1-17	PLNNB	SCT	18 47.8	-09 09	14.1	99.9	295	15
Isk 1		OPNCL	LYR	18 48.0	+37 00	99.9	99.9	117	08
Basel 1		OPNCL	SCT	18 48.2	-05 51	08.9	99.9	295	15
PK 9-10.1	M3-33	PLNNB	SGR	18 48.2	-25 29	14.0	99.9	340	22
NGC 6698		NONEX	SGR	18 48.2	-25 55	99.9	99.9	340	22
PK 34+ 1.1		PLNNB	AQL	18 48.3	+01 43	99.9	99.9	250	15
PK 42+ 5.1		PLNNB	AQL	18 48.6	+10 35	99.9	99.9	205	15
PK 27- 2.1	Perek 1-18	PLNNB	SCT	18 48.8	-05 56	14.0	99.9	295	15
MCG +01-48-001		GALXY	SER	18 49.0	+05 26	11.0	99.9	250	15
NGC 6711		GALXY	DRA	18 49.0	+47 40	12.9	13.4	083	08
NGC 6684		GALXY	PAV	18 49.1	-65 11	10.4	12.8	456	26
B108		DRKNB	SCT	18 49.6	-06 19	79.9	79.9	295	15
Czernik 38		OPNCL	SER	18 49.7	+04 56	99.9	99.9	250	15
B318		DRKNB	SCT	18 49.7	-06 24	79.9	79.9	295	15
PK 26- 2.3	Perek 1-19	PLNNB	SCT	18 49.7	-07 02	99.9	99.9	295	15
PK 51+ 9.1	Hu 2-1	PLNNB	HER	18 49.8	+20 50	11.6	99.9	160	08
PK 64+15.1	M1-64	PLNNB	LYR	18 50.0	+33 15	13.3	99.9	117	08
B110	LDN 530	DRKNB	SCT	18 50.2	-04 46	79.9	79.9	250	15
Ru 145		OPNCL	SGR	18 50.5	-18 05	99.9	99.9	340	15
PK 12- 9.1	M1-62	PLNNB	SGR	18 50.5	-22 35	13.0	99.9	340	22
NGC 6710		GALXY	LYR	18 50.6	+26 51	13.1	13.6	160	08
NGC 6713		GALXY	LYR	18 50.7	+33 57	14.0	99.9	117	08
NGC 6704		OPNCL	SCT	18 50.9	-05 12	09.2	99.9	250	15
B111,119a	LDN 534	DRKNB	SCT	18 51.0	-05 00	79.9	79.9	250	15
NGC 6705	M 11	OPNCL	SCT	18 51.1	-06 16	05.8	99.9	295	15
B112		DRKNB	SCT	18 51.2	-06 40	79.9	79.9	295	15
B113	LDN 548	DRKNB	SCT	18 51.4	-04 19	79.9	79.9	250	15
NGC 6709		OPNCL	AQL	18 51.5	+10 21	06.7	99.9	205	15
PK 21- 5.1	M1-63	PLNNB	SGR	18 51.5	-13 11	13.2	99.9	295	15
PK 41+ 4.1		PLNNB	AQL	18 51.7	+09 55	99.9	99.9	205	15
NGC 6684A		GALXY	PAV	18 51.9	-64 51	12.7	14.4	456	26
NGC 6699		GALXY	PAV	18 52.0	-57 19	12.0	12.7	435	26
LDN 582		DRKNB	AQL	18 52.6	-01 56	79.9	79.9	250	15
PK 44+ 5.1		PLNNB	AQL	18 53.0	+12 16	99.9	99.9	205	15
NGC 6712	HI 47	GLOCL	SCT	18 53.1	-08 42	08.2	99.9	295	15
B114-8		DRKNB	SCT	18 53.2	-07 06	79.9	79.9	295	15
Ru 146		OPNCL	SGR	18 53.4	-20 45	99.9	99.9	340	22

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Steph 1		OPNCL	LYR	18 53.5	+36 55	03.8	99.9	117	08
PK 27- 3.1	Abell 49	PLNNB	SCT	18 53.5	-06 29	16.1	99.9	295	15
Cr 394		OPNCL	SGR	18 53.5	-20 23	06.3	99.9	340	22
NGC 6720	M 57	PLNNB	LYR	18 53.6	+33 02	09	99.9	117	08
PK 58+12.1		PLNNB	LYR	18 53.7	+28 32	99.9	99.9	117	08
B118	LDN 509	DRKNB	SCT	18 53.9	-07 27	79.9	79.9	295	15
PK 27- 3.2	VY 1-4	PLNNB	SCT	18 54.0	-06 26	13.4	99.9	295	15
PK 25- 4.1		PLNNB	SCT	18 54.3	-08 47	99.9	99.9	295	15
PK 24- 5.1	M4-11	PLNNB	SCT	18 54.3	-10 05	15.0	99.9	295	15
IC 1295	PK25-4.2	PLNNB	SCT	18 54.6	-08 50	12.7	99.9	295	15
NGC 6716		OPNCL	SGR	18 54.6	-19 53	07.5	99.9	340	15
PK 38+ 2.1	YM 16	PLNNB	SER	18 54.8	+06 02	14.2	99.9	205	15
NGC 6717	H III 143	GLOCL	SGR	18 55.1	-22 42	99.9	99.9	340	22
Pal 9		GLOCL	SGR	18 55.1	-22 42	09.2	99.9	340	22
NGC 6715	M 54	GLOCL	SGR	18 55.1	-30 29	07.7	99.9	378	22
Berk 80		OPNCL	AQL	18 55.3	+00 37	99.9	99.9	250	15
NGC 6747		GALXY	DRA	18 55.3	+72 47	15.0	99.9	012	03
NGC 6707		GALXY	TEL	18 55.3	-53 49	12.6	13.2	435	26
PK 3-14.1	Hubble 7	PLNNB	SGR	18 55.6	-32 16	10.9	99.9	378	22
NGC 6708		GALXY	TEL	18 55.6	-53 43	12.7	12.5	435	26
PK 39+ 2.1	K3-17	PLNNB	AQL	18 56.3	+07 08	14.8	99.9	206	15
IC 4797	ESO 183-G029	GALXY	TEL	18 56.3	-54 18	11.3	12.7	435	26
NGC 6732		GALXY	DRA	18 56.4	+52 22	14.5	99.9	054	03
PK 43+ 3.1	M1-65	PLNNB	AQL	18 56.6	+10 52	14.1	99.9	206	15
NGC 6706		UVSOB	PAV	18 56.8	-63 10	99.9	99.9	456	26
HA 85	ESO 183-G30	GALXY	TEL	18 56.9	-54 32	12.4	99.9	435	26
NGC 6724		NONEX	AQL	18 57.0	+10 22	99.9	99.9	206	15
NGC 6731		NONEX	LYR	18 57.0	+43 04	99.9	99.9	083	08
PK 28- 4.1	Perek 1-20	PLNNB	SCT	18 57.3	-06 00	15.0	99.9	296	15
NGC 6728	H VIII 13	OPNCL	AQL	18 57.4	-09 01	99.9	99.9	296	16
LDN 617		DRKNB	AQL	18 57.5	+01 04	79.9	79.9	251	15
PK 28- 3.1	Perek 1-21	PLNNB	SCT	18 57.8	-05 28	16.0	99.9	251	15
PK 35- 0.1	AP 2-1	BRTNB	AQL	18 58.1	+01 37	16.7	99.9	251	15
PK 32- 2.1	M1-66	PLNNB	AQL	18 58.4	-01 04	13.0	99.9	251	15
PK 52+ 7.1		PLNNB	HER	18 59.1	+20 37	14.8	99.9	161	08
NGC 6742	H III 742	PLNNB	DRA	18 59.3	+48 28	13.4	99.9	083	08
NGC 6723	Dunlop 573	GLOCL	SGR	18 59.6	-36 38	07.3	99.9	378	22
Ru 169		OPNCL	SGR	19 00.3	-23 13	99.9	99.9	341	22
PK 32- 3.1		PLNNB	AQL	19 00.6	-02 12	99.9	99.9	251	16
NGC 6750		GALXY	DRA	19 00.7	+59 10	13.5	99.9	054	03
NGC 6721		GALXY	PAV	19 00.7	-57 47	12.0	12.9	435	26
NGC 6740		GALXY	LYR	19 00.8	+28 45	15.0	99.9	118	08
NGC 6735	SAO 142915	OPNCL	AQL	19 00.8	-00 28	99.9	99.9	251	16
PK 17-10.1	Abell 51	PLNNB	SGR	19 01.1	-18 12	13.5	99.9	341	16
NGC 6738		OPNCL	AQL	19 01.4	+11 36	08.3	99.9	206	16
NGC 6743		NONEX	LYR	19 01.4	+29 16	99.9	99.9	118	08
NGC 6718		UVSOB	PAV	19 01.4	-66 06	99.9	99.9	456	26
NGC 6745	UGC 11391	GALXY	LYR	19 01.6	+40 45	13.5	99.9	083	08
PK 32- 2.2		PLNNB	AQL	19 01.6	-01 19	99.9	99.9	251	16

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B127,129-30		DRKNB	AQL	19 01.6	-05 26	79.9	79.9	251	16
NGC 6725		GALXY	TEL	19 01.7	-53 56	12.2	12.1	435	26
NGC 6726		BRTNB	CRA	19 01.8	-36 54	99.9	99.9	379	22
NGC 6727		BRTNB	CRA	19 01.8	-36 54	99.9	99.9	379	22
NGC 6729		BRTNB	CRA	19 01.8	-36 58	99.9	99.9	379	22
PK 36- 1.1	Sh2-71	PLNNB	AQL	19 02.0	+02 09	13.2	99.9	251	16
PK 32- 3.2		PLNNB	AQL	19 02.2	-01 49	99.9	99.9	251	16
NGC 6737		NONEX	SGR	19 02.2	-18 32	99.9	99.9	341	16
Berk 81		OPNCL	AQL	19 02.5	+00 30	99.9	99.9	251	16
NGC 6741	PK33-2.1	PLNNB	AQL	19 02.6	-00 27	12.0	99.9	251	16
PK 47+ 4.1		PLNNB	AQL	19 02.7	+14 28	99.9	99.9	206	16
Be 157		DRKNB	CRA	19 02.9	-37 08	79.9	79.9	379	22
NGC 6719		UVSOB	PAV	19 03.1	-68 36	99.9	99.9	456	26
PK 51+ 6.1	K1-17	PLNNB	SGE	19 03.6	+19 21	16.0	99.9	161	16
NGC 6722		UVSOB	PAV	19 03.6	-64 54	99.9	99.9	456	26
Sh2- 72		BRTNB	AQL	19 03.8	+02 19	99.9	99.9	251	16
NGC 6748		NONEX	VUL	19 03.8	+21 36	99.9	99.9	161	08
B132,328	LDN 567	DRKNB	AQL	19 04.1	-04 28	79.9	79.9	251	16
PK 50+ 5.1	Abell 52	PLNNB	AQL	19 04.5	+17 58	16.5	99.9	161	16
PK 34- 2.1		PLNNB	AQL	19 04.9	+00 21	99.9	99.9	251	16
PK 48+ 4.2		PLNNB	AQL	19 04.9	+15 48	99.9	99.9	206	16
NGC 6749		GLOCL	AQL	19 05.1	+01 47	11.1	99.9	251	16
Berk 42		OPNCL	AQL	19 05.1	+01 53	99.9	99.9	251	16
NGC 6757		GALXY	DRA	19 05.1	+55 43	12.9	13.1	054	03
IC 4812		BRTNB	CRA	19 05.2	-37 03	99.9	99.9	379	22
NGC 6763		NONEX	DRA	19 05.4	+63 56	99.9	99.9	031	03
NGC 6762		GALXY	DRA	19 05.6	+63 56	13.4	12.5	031	03
PK 3-17.1	Hubble 8	PLNNB	SGR	19 05.6	-33 12	12.9	99.9	379	22
NGC 6751	PK29-5.1	PLNNB	AQL	19 05.9	-06 00	12.0	99.9	296	16
B133	LDN 531	DRKNB	AQL	19 06.1	-06 50	79.9	79.9	296	16
NGC 6733		UVSOB	PAV	19 06.1	-62 12	99.9	99.9	456	26
PK 40- 0.1	Abell 53	PLNNB	AQL	19 06.8	+06 24	16.9	99.9	206	16
NGC 6759		GALXY	DRA	19 06.9	+50 19	15.0	99.9	054	03
B134	LDN 543	DRKNB	AQL	19 06.9	-06 14	79.9	79.9	296	16
NGC 6734		UVSOB	PAV	19 07.3	-65 28	99.9	99.9	456	26
B135-6	LDN 581	DRKNB	AQL	19 07.4	-03 55	79.9	79.9	251	16
NGC 6736		UVSOB	PAV	19 07.4	-65 26	99.9	99.9	456	26
Czernik 39		OPNCL	AQL	19 07.6	+04 18	99.9	99.9	251	16
NGC 6730		UVSOB	PAV	19 07.6	-68 55	99.9	99.9	456	26
NGC 6755	H VII 19	OPNCL	AQL	19 07.8	+04 14	07.5	99.9	251	16
NGC 6739		UVSOB	PAV	19 07.8	-61 22	99.9	99.9	456	26
NGC 6764		GALXY	CYG	19 08.2	+50 55	11.9	12.9	054	03
NGC 6754A		GALXY	TEL	19 08.6	-51 04	99.9	99.9	435	26
NGC 6756	H VII 62	OPNCL	AQL	19 08.7	+04 41	10.6	99.9	251	16
PK 55+ 6.1	Abell 54	PLNNB	VUL	19 08.7	+22 59	17.1	99.9	161	08
NGC 6744		GALXY	PAV	19 09.8	-63 52	08.3	14.2	456	26
NGC 6766		NONEX	LYR	19 09.9	+46 15	99.9	99.9	083	08
SL 42		DRKNB	CRA	19 10.3	-37 08	79.9	79.9	379	22
NGC 6746		UVSOB	PAV	19 10.3	-61 59	99.9	99.9	456	26

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PK 33- 5.1	Abell 55	PLNNB	AQL	19 10.5	-02 21	15.4	99.9	251	16
NGC 6786	UGC 11414	GALXY	DRA	19 10.9	+73 24	12.8	12.6	013	03
NGC 6752	Dunlop 295	GLOCL	PAV	19 10.9	-59 59	05.4	99.9	435	26
NGC 6765	PK62+9.1	PLNNB	LYR	19 11.1	+30 33	12.9	99.9	118	08
NGC 6760		GLOCL	AQL	19 11.2	+01 02	09.1	99.9	251	16
NGC 6754		GALXY	TEL	19 11.3	-50 38	12.1	12.6	435	26
NGC 6753		GALXY	PAV	19 11.4	-57 03	11.1	12.8	435	26
Berk 82		OPNCL	AQL	19 11.5	+13 04	99.9	99.9	206	16
PK 50+ 3.1	M1-67	PLNNB	SGE	19 11.5	+16 52	15.5	99.9	206	16
NGC 6767		NONEX	LYR	19 11.6	+37 43	99.9	99.9	118	08
PK 48+ 2.1		PLNNB	AQL	19 12.1	+15 09	99.9	99.9	206	16
PK 32- 6.1	K2-10	PLNNB	AQL	19 13.0	-03 32	18.7	99.9	251	16
PK 37- 3.2	Abell 56	PLNNB	AQL	19 13.1	+02 53	12.4	99.9	251	16
PK 49+ 2.1		PLNNB	AQL	19 13.1	+15 47	17.0	99.9	206	16
PK 38- 3.1		PLNNB	AQL	19 13.4	+03 25	99.9	99.9	251	16
PK 42- 1.1		PLNNB	AQL	19 13.5	+07 27	99.9	99.9	206	16
PK 39- 2.1	M2-47	PLNNB	AQL	19 13.6	+04 38	13.0	99.9	251	16
PK 48+ 1.1	He2-429	PLNNB	AQL	19 13.6	+14 59	14.3	99.9	206	16
NGC 6785		NONEX	AQL	19 13.6	-01 05	99.9	99.9	251	16
PK 38- 3.2	M1-69	PLNNB	AQL	19 13.9	+03 38	14.0	99.9	251	16
PK 51+ 3.1	He2-430	PLNNB	SGE	19 14.0	+17 31	15.0	99.9	161	16
NGC 6758		GALXY	TEL	19 14.0	-56 18	11.6	13.1	435	26
PK 38- 3.3	K2-11	PLNNB	AQL	19 14.3	+03 35	13.6	99.9	251	16
PK 61+ 8.1	K3-27	PLNNB	LYR	19 14.5	+28 41	14.3	99.9	118	08
NGC 6772	H IV 14	PLNNB	AQL	19 14.6	-02 42	14.0	99.9	251	16
PK 35- 5.1		PLNNB	AQL	19 14.7	+00 13	99.9	99.9	251	16
NGC 6773		NONEX	AQL	19 15.0	+04 53	99.9	99.9	251	16
NGC 6761		GALXY	TEL	19 15.2	-50 40	13.4	14.0	435	26
IC 4837	ESO 184-IG046	GALXY	TEL	19 15.3	-54 41	12.5	13.6	435	26
PK 48+ 1.2		PLNNB	AQL	19 15.5	+14 04	99.9	99.9	206	16
B137-8	LDN 627	DRKNB	AQL	19 15.6	+00 13	79.9	79.9	251	16
Berk 43		OPNCL	AQL	19 15.7	+11 13	99.9	99.9	206	16
IC 4846	PK27-9.1	PLNNB	AQL	19 15.7	-08 59	12.0	99.9	296	16
NGC 6787		GALXY	DRA	19 16.3	+60 25	13.9	13.9	054	03
PK 40- 3.1		PLNNB	AQL	19 16.5	+05 13	99.9	99.9	251	16
NGC 6768		GALXY	CRA	19 16.5	-40 11	99.9	99.9	410	22
NGC 6779	M 56	GLOCL	LYR	19 16.6	+30 11	08.3	99.9	118	08
NGC 6783		GALXY	CYG	19 16.6	+46 01	15.5	99.9	083	08
NGC 6774		OPNCL	SGR	19 16.6	-16 16	99.9	99.9	296	16
NGC 6789		GALXY	DRA	19 16.7	+64 00	13.3	13.3	031	03
Ru 147		OPNCL	SGR	19 16.7	-16 17	99.9	99.9	296	16
NGC 6775		OPNCL	AQL	19 16.8	-00 55	99.9	99.9	251	16
Ru 147		OPNCL	SGR	19 16.8	-15 33	99.9	99.9	296	16
PK 58+ 6.1	Abell 57	PLNNB	VUL	19 17.1	+25 37	16.6	99.9	161	08
PK 19-13.1	DHW3	PLNNB	SGR	19 17.1	-18 02	15.6	99.9	341	16
Berk 44		OPNCL	SGE	19 17.4	+19 33	99.9	99.9	161	16
IC 1297	PK358-21.1	PLNNB	CRA	19 17.4	-39 36	11.5	99.9	410	22
Ter 7		GLOCL	SGR	19 17.7	-34 40	99.9	99.9	379	22
B139	LDN 619	DRKNB	AQL	19 18.1	-01 28	79.9	79.9	251	16

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Pal 10		GLOCL	SGE	19 18.2	+18 34	13.2	99.9	161	16
PK 37- 5.1	Abell 58	PLNNB	AQL	19 18.3	+01 47	14.7	99.9	251	16
NGC 6769		GALXY	PAV	19 18.3	-60 29	11.8	13.0	435	26
NGC 6781	H III 743	PLNNB	AQL	19 18.5	+06 32	11.8	99.9	206	16
NGC 6778	PK34-6.1	PLNNB	AQL	19 18.5	-01 36	13.3	99.9	251	16
NGC 6770		GALXY	PAV	19 18.6	-60 30	11.9	13.2	435	26
PK 53+ 3.1	Abell 59	PLNNB	SGE	19 18.7	+19 34	17.2	99.9	161	16
PK 26-11.1	Nassau 2	PLNNB	AQL	19 18.7	-11 06	13.3	99.9	296	16
NGC 6771		GALXY	PAV	19 18.8	-60 35	12.5	12.5	435	26
PK 52+ 2.1		PLNNB	SGE	19 19.0	+19 03	99.9	99.9	161	16
PK 77+14.1	Abell 61	PLNNB	CYG	19 19.2	+46 15	13.0	99.9	083	08
PK 25-11.1	Abell 60	PLNNB	SGR	19 19.3	-12 16	15.4	99.9	296	16
Berk 45		OPNCL	AQL	19 19.4	+15 43	99.9	99.9	206	16
NGC 6791		OPNCL	LYR	19 20.7	+37 51	09.5	99.9	118	08
LDN 673		DRKNB	AQL	19 20.9	+11 16	79.9	79.9	206	16
PK 43- 3.1	M4-14	PLNNB	AQL	19 21.0	+07 37	15.0	99.9	206	16
NGC 6792	UGC 11429	GALXY	LYR	19 21.0	+43 08	12.1	13.1	083	08
NGC 6796		GALXY	DRA	19 21.4	+61 09	12.6	12.3	031	03
LDN 684		DRKNB	AQL	19 21.8	+12 26	79.9	79.9	206	16
PK 32- 8.1		PLNNB	AQL	19 21.9	-04 13	99.9	99.9	251	16
PK 45- 1.1		PLNNB	AQL	19 22.5	+10 42	99.9	99.9	206	16
NGC 6780		GALXY	TEL	19 22.7	-55 47	12.6	13.7	435	26
NGC 6790	PK37-6.1	PLNNB	AQL	19 22.9	+01 31	11.4	99.9	251	16
NGC 6793	H VIII 81	OPNCL	VUL	19 23.2	+22 11	99.9	99.9	161	08
PK 55+ 2.1	He2-432	PLNNB	VUL	19 23.5	+21 08	15.5	99.9	161	08
PK 55+ 2.2		PLNNB	VUL	19 23.8	+21 07	99.9	99.9	161	08
NGC 6782		GALXY	PAV	19 23.9	-59 56	11.8	12.9	435	26
NGC 6798		GALXY	CYG	19 24.0	+53 38	13.2	13.5	054	03
PK 59+ 4.1	K3-34	PLNNB	VUL	19 24.1	+25 19	16.7	99.9	161	08
PK 45- 2.1	VY 2-2	PLNNB	AQL	19 24.4	+09 54	12.7	99.9	206	16
King 25		OPNCL	AQL	19 24.8	+13 42	99.9	99.9	206	16
NGC 6776A		GALXY	PAV	19 25.0	-63 42	14.1	13.1	456	26
NGC 6776		GALXY	PAV	19 25.3	-63 53	12.1	13.1	456	26
Cr 399		OPNCL	VUL	19 25.4	+20 11	03.6	99.9	161	08
NGC 6788		UVSOB	TEL	19 25.8	-54 58	99.9	99.9	435	26
NGC 6795		NONEX	AQL	19 26.0	+03 31	99.9	99.9	251	16
NGC 6784		UVSOB	PAV	19 26.5	-65 37	99.9	99.9	456	26
Do 35		OPNCL	AQL	19 26.7	+11 36	99.9	99.9	206	16
PK 55+ 2.3		PLNNB	VUL	19 26.7	+21 09	99.9	99.9	161	08
vdB 126		BRTNB	VUL	19 27.1	+22 43	99.9	99.9	161	08
PK 31-10.1	M3-34	PLNNB	AQL	19 27.1	-06 35	12.4	99.9	296	16
NGC 6800	H VIII 21	OPNCL	VUL	19 27.2	+25 08	99.9	99.9	161	08
NGC 6777		NONEX	PAV	19 27.6	-71 30	99.9	99.9	456	26
NGC 6801		GALXY	CYG	19 27.7	+54 22	13.9	13.7	054	03
PK 46- 3.1		PLNNB	AQL	19 27.8	+10 24	99.9	99.9	206	16
PK 56+ 2.1		PLNNB	VUL	19 27.8	+21 30	99.9	99.9	161	08
NGC 6794		GALXY	SGR	19 27.9	-38 53	12.9	13.7	379	22
PK 48- 2.1	Peimbert 10	PLNNB	AQL	19 28.2	+12 19	14.5	99.9	207	16
Arp 2		GLOCL	SGR	19 28.2	-30 21	99.9	99.9	379	22

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NGC 6797		4STAR	SGR	19 28.9	-25 40	99.9	99.9	342	22
Berk 47		OPNCL	SGE	19 29.0	+17 24	99.9	99.9	162	16
King 26		OPNCL	AQL	19 29.4	+14 52	99.9	99.9	207	16
PK 50- 1.1		PLNNB	AQL	19 30.3	+14 47	99.9	99.9	207	16
Sh2- 82		BRTNB	SGE	19 30.3	+18 16	99.9	99.9	162	16
NGC 6802	H VI 14	OPNCL	VUL	19 30.6	+20 16	08.8	99.9	162	08
PK 57+ 2.1		PLNNB	VUL	19 30.6	+23 04	99.9	99.9	162	08
NGC 6803	PK46-4.1	PLNNB	AQL	19 31.3	+10 03	11.0	99.9	207	16
NGC 6804	H VI 38	PLNNB	AQL	19 31.6	+09 13	12.4	99.9	207	16
PK 4-22.1		PLNNB	SGR	19 32.1	-34 24	99.9	99.9	379	22
NGC 6799		UVSOB	TEL	19 32.2	-55 55	99.9	99.9	436	26
PK 9-21.1	K1-5	GALXY	SGR	19 32.4	-29 24	13.5	99.9	379	22
PK 44- 5.1		PLNNB	AQL	19 32.6	+07 27	99.9	99.9	207	16
PK 61+ 3.1	He2-437	PLNNB	VUL	19 32.9	+26 53	16.6	99.9	162	08
PK 57+ 1.1		PLNNB	VUL	19 33.1	+22 59	99.9	99.9	162	08
PK 47- 4.1	Abell 62	PLNNB	AQL	19 33.3	+10 37	13.0	99.9	207	16
PK 59+ 2.1		PLNNB	VUL	19 33.8	+24 33	99.9	99.9	162	08
PK320-28.1	He2-434	PLNNB	PAV	19 33.8	-74 33	12.2	99.9	470	26
NGC 6807	PK42-6.1	PLNNB	AQL	19 34.6	+05 41	13.8	99.9	207	16
PK 64+ 5.1	BD+30 3639	PLNNB	CYG	19 34.8	+30 31	09.6	99.9	118	08
PK 53- 1.1		PLNNB	SGE	19 35.3	+17 13	99.9	99.9	162	16
Sh2- 91		SNREM	CYG	19 35.6	+29 37	99.9	99.9	118	08
Stock 1		OPNCL	VUL	19 35.8	+25 13	05.3	99.9	162	08
PK 59+ 2.2		PLNNB	VUL	19 35.9	+24 55	99.9	99.9	162	08
PK 58+ 1.1		PLNNB	VUL	19 36.3	+23 40	99.9	99.9	162	08
M1-92		BRTNB	CYG	19 36.3	+29 33	11.7	99.9	118	08
PK 55- 0.1	M1-71	PLNNB	VUL	19 36.5	+19 42	13.9	99.9	162	16
B334,336-7		DRKNB	AQL	19 36.8	+12 27	79.9	79.9	207	16
NGC 6805		GALXY	SGR	19 36.8	-38 22	13.3	13.3	379	22
B335	LDN 663	DRKNB	AQL	19 36.9	+07 34	79.9	79.9	207	16
NGC 6806		GALXY	SGR	19 37.0	-42 19	13.2	13.5	411	22
PK 50- 3.1		PLNNB	AQL	19 37.1	+13 41	99.9	99.9	207	16
NGC 6817		GALXY	DRA	19 37.4	+62 22	15.5	99.9	031	03
PK 60+ 1.1		PLNNB	VUL	19 38.2	+25 16	99.9	99.9	162	08
NGC 6811		OPNCL	CYG	19 38.2	+46 34	06.8	99.9	084	08
Cr 401		OPNCL	AQL	19 38.4	+00 20	07	99.9	252	16
PK 52- 2.2	Merrill 1-1	PLNNB	AQL	19 39.1	+15 56	11.8	99.9	207	16
PK 52- 2.1		PLNNB	AQL	19 39.3	+16 21	99.9	99.9	207	16
PK 56- 0.1		PLNNB	VUL	19 39.6	+20 19	99.9	99.9	162	08
NGC 6809	M 55	GLOCL	SGR	19 40.0	-30 58	07	99.9	379	22
NGC 6813		BRTNB	VUL	19 40.3	+27 18	99.9	99.9	162	08
PK 55- 1.1		PLNNB	SGE	19 40.4	+18 49	99.9	99.9	162	16
PK 19-19.1	K2-7	PLNNB	SGR	19 40.5	-20 27	13.1	99.9	342	22
B142-3		DRKNB	AQL	19 40.7	+10 57	79.9	79.9	207	16
NGC 6815		OPNCL	VUL	19 40.9	+26 51	99.9	99.9	162	08
PK 51- 3.1	M1-73	PLNNB	AQL	19 41.2	+14 57	13.7	99.9	207	16
NGC 6819		OPNCL	CYG	19 41.3	+40 11	07.3	99.9	084	08
PK 54- 2.1		PLNNB	SGE	19 41.5	+17 45	99.9	99.9	162	16
UGC 11465		GALXY	CYG	19 41.7	+50 38	12.7	13.0	055	03

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NGC 6825		GALXY	DRA	19 41.7	+64 05	15.5	99.9	031	03
Ter 8		GLOCL	SGR	19 41.7	-34 00	99.9	99.9	380	22
PK 53- 3.2		PLNNB	SGE	19 41.9	+16 45	99.9	99.9	207	16
PK 51- 4.1	Ap 22	PLNNB	AQL	19 42.0	+13 51	99.9	99.9	207	16
PK 53- 3.1	Abell 63	PLNNB	SGR	19 42.2	+17 05	14.0	99.9	162	16
PK 52- 4.1	M1-74	PLNNB	AQL	19 42.3	+15 09	12.9	99.9	207	16
NGC 6820		CL+NB	VUL	19 42.7	+23 06	15.0	99.9	162	08
NGC 6814	H III 744	GALXY	AQL	19 42.7	-10 17	11.2	13.4	297	16
NGC 6823	H VII 18	OPNCL	VUL	19 43.1	+23 18	07.1	99.9	162	08
Czernik 40		OPNCL	VUL	19 43.2	+21 11	99.9	99.9	162	08
NGC 6824	H II 878	GALXY	CYG	19 43.6	+56 07	12.2	12.8	055	03
NGC 6810		GALXY	PAV	19 43.6	-58 39	11.4	12.4	436	26
NGC 6808		GALXY	PAV	19 43.9	-70 39	12.5	12.5	456	26
NGC 6818	H IV 51	PLNNB	SGR	19 44.0	-14 09	10.0	99.9	297	16
NGC 6816		GALXY	SGR	19 44.0	-28 23	13.4	14.1	380	22
PK 59- 0.1	He2-446	PLNNB	VUL	19 44.1	+23 27	99.9	99.9	162	08
NGC 6821		GALXY	AQL	19 44.3	-06 49	13.1	13.1	297	16
NGC 6826	H IV 73	PLNNB	CYG	19 44.8	+50 31	08.8	99.9	055	03
NGC 6822	IC 4895	GALXY	SGR	19 44.9	-14 45	08.8	14.5	297	16
IC 4889		GALXY	TEL	19 45.2	-54 22	11.1	12.8	436	26
Pal 11		GLOCL	AQL	19 45.3	-08 02	11.9	99.9	297	16
PK 57- 1.1		PLNNB	VUL	19 45.4	+21 20	99.9	99.9	162	08
NGC 6812		UVSOB	TEL	19 45.4	-55 20	99.9	99.9	436	26
PK 44- 9.1	Abell 64	PLNNB	AQL	19 45.6	-05 35	15.3	99.9	297	16
Roslund 1		OPNCL	SGE	19 45.7	+17 31	99.9	99.9	162	16
PK 64+ 2.1		PLNNB	CYG	19 45.7	+28 38	99.9	99.9	119	08
Sh2- 88		BRTNB	VUL	19 46.0	+25 20	99.9	99.9	162	08
Roslund 2		OPNCL	VUL	19 46.1	+23 56	99.9	99.9	162	08
PK 60- 0.1		PLNNB	VUL	19 46.2	+24 11	99.9	99.9	162	08
PK 54- 3.1		PLNNB	SGE	19 46.5	+17 01	99.9	99.9	162	16
PK 17-21.1	Abell 65	PLNNB	SGR	19 46.6	-23 08	13.1	99.9	342	22
NGC 6829	UGC 11478	GALXY	DRA	19 47.1	+59 55	14.1	13.4	055	03
NGC 6831	UGC 11483	GALXY	DRA	19 47.9	+59 54	13.3	14.0	055	03
NGC 6832		NONEX	DRA	19 48.1	+59 25	99.9	99.9	055	03
PK 59- 1.1	He1-3	PLNNB	VUL	19 48.5	+22 09	99.9	99.9	162	08
NGC 6827		OPNCL	VUL	19 48.9	+21 13	99.9	99.9	162	08
Sh2- 84		BRTNB	SGE	19 49.0	+18 24	99.9	99.9	162	16
Sh2- 90		BRTNB	VUL	19 49.3	+26 52	99.9	99.9	162	08
PK 44-10.1		PLNNB	AQL	19 49.6	+05 19	99.9	99.9	252	16
Berk 48		OPNCL	VUL	19 49.6	+21 12	99.9	99.9	162	08
NGC 6833	PK82+11.1	PLNNB	CYG	19 49.8	+48 58	13.8	99.9	084	08
PK 69+ 3.1	K3-46	PLNNB	CYG	19 50.0	+33 46	14.3	99.9	119	08
NGC 6828	H VIII 73	NONEX	AQL	19 50.4	+07 55	99.9	99.9	207	16
PK 62- 0.1	M2-48	PLNNB	VUL	19 50.5	+25 55	14.2	99.9	162	08
NGC 6830	H VII 9	OPNCL	VUL	19 51.0	+23 04	07.9	99.9	162	08
PK 66+ 2.1		PLNNB	CYG	19 51.0	+31 03	99.9	99.9	119	08
PK 57- 3.1		PLNNB	VUL	19 51.3	+19 58	99.9	99.9	162	16
Czernik 41		OPNCL	VUL	19 51.4	+25 10	99.9	99.9	162	08
PK 68+ 3.1		PLNNB	CYG	19 51.9	+33 00	99.9	99.9	119	08

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PK 63+ 0.1		PLNNB	VUL	19 52.2	+27 19	99.9	99.9	162	08
NGC 6834	H VIII 16	OPNCL	CYG	19 52.2	+29 25	07.8	99.9	119	08
Harvard 20		OPNCL	SGE	19 53.1	+18 20	07.7	99.9	162	16
PK 60- 2.1		PLNNB	VUL	19 53.1	+23 14	99.9	99.9	162	08
NGC 6837	H VIII 18	OPNCL	AQL	19 53.5	+11 42	99.9	99.9	207	16
NGC 6838	M 71	GLOCL	SGE	19 53.8	+18 47	08.3	99.9	162	16
PK 69+ 2.1		PLNNB	CYG	19 54.0	+33 22	99.9	99.9	119	08
NGC 6839		NONEX	SGE	19 54.5	+17 54	99.9	99.9	162	16
NGC 6835		GALXY	SGR	19 54.6	-12 34	12.5	12.6	297	16
NGC 6836		GALXY	SGR	19 54.7	-12 41	12.9	13.5	297	16
NGC 6842	PK65+0.1	PLNNB	VUL	19 55.1	+29 17	13.1	99.9	119	08
NGC 6840	H VIII 19	OPNCL	AQL	19 55.3	+12 06	99.9	99.9	207	16
NGC 6843		OPNCL	AQL	19 56.1	+12 09	99.9	99.9	207	16
NGC 6846		OPNCL	CYG	19 56.5	+30 21	14.2	99.9	119	08
PK 68+ 1.1		PLNNB	CYG	19 56.5	+32 22	99.9	99.9	119	08
NGC 6847	H II 202	NONEX	CYG	19 57.0	+29 20	99.9	99.9	119	08
PK 75+ 5.1		PLNNB	CYG	19 57.1	+39 50	99.9	99.9	084	08
PK 19-23.1	Abell 66	PLNNB	SGR	19 57.6	-21 37	14.1	99.9	342	22
NGC 6841		GALXY	SGR	19 57.9	-31 51	12.6	13.4	380	22
PK 43-13.1	Abell 67	PLNNB	AQL	19 58.4	+03 03	15.3	99.9	252	16
B144	LDN 857	DRKNB	CYG	19 59.0	+35 00	79.9	79.9	119	08
PK 68+ 1.2	He1-4	PLNNB	CYG	19 59.3	+31 55	13.3	99.9	119	08
NGC 6856		NONEX	CYG	19 59.3	+56 08	99.9	99.9	055	03
Roslund 3		OPNCL	SGE	19 59.6	+20 29	99.9	99.9	162	08
NGC 6853	M 27	PLNNB	VUL	19 59.6	+22 43	07.3	99.9	162	08
Sh2-101		BRTNB	CYG	20 00.0	+35 17	99.9	99.9	119	09
PK 60- 4.1	Abell 68	PLNNB	VUL	20 00.2	+21 43	16.6	99.9	163	09
NGC 6852	PK42-14.1	PLNNB	AQL	20 00.6	+01 44	99.9	99.9	253	16
Berk 49		OPNCL	CYG	20 00.7	+34 36	99.9	99.9	119	09
NGC 6869		GALXY	DRA	20 00.7	+66 13	12.0	12.7	032	03
NGC 6845		GALXY	TEL	20 00.9	-47 05	99.9	99.9	411	23
PK 70+ 1.1	K3-50	BRTNB	CYG	20 01.7	+33 32	99.9	99.9	119	09
NGC 6857	H III 144	PLNNB	CYG	20 01.8	+33 31	11.4	99.9	119	09
Berk 83		OPNCL	VUL	20 02.3	+28 38	99.9	99.9	119	09
Do 36		OPNCL	CYG	20 02.5	+42 06	99.9	99.9	084	09
PK 56- 6.1		PLNNB	SGE	20 02.6	+17 36	99.9	99.9	163	16
NGC 6848		UVSOB	TEL	20 02.7	-56 05	99.9	99.9	436	26
Ced 174		BRTNB	CYG	20 02.8	+36 58	99.9	99.9	119	09
B145	LDN 865	DRKNB	CYG	20 02.8	+37 40	79.9	79.9	119	09
NGC 6844		UVSOB	PAV	20 02.8	-65 15	99.9	99.9	457	26
NGC 6858		NONEX	AQL	20 03.1	+11 16	99.9	99.9	208	16
PK 64- 2.1	K3-53	PLNNB	VUL	20 03.4	+27 00	16.0	99.9	163	09
B146	LDN 860	DRKNB	CYG	20 03.5	+36 02	79.9	79.9	119	09
NGC 6851		GALXY	TEL	20 03.5	-48 17	11.8	13.0	411	23
NGC 6850		GALXY	TEL	20 03.6	-54 51	12.5	13.3	436	26
NGC 6866	H VII 59	OPNCL	CYG	20 03.7	+44 00	07.6	99.9	084	09
NGC 6859		3STAR	AQL	20 03.9	+00 26	99.9	99.9	253	16
PK 84+ 9.1	K3-73	PLNNB	CYG	20 03.9	+49 19	15.7	99.9	084	09
PK 75+ 4.1		PLNNB	CYG	20 04.4	+39 35	17.6	99.9	084	09

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PK107+21.1	K1-6	PLNNB	DRA	20 04.5	+74 27	14.5	99.9	013	03
vdB 128		BRTNB	CYG	20 04.6	+32 15	99.9	99.9	119	09
IC 4954	IC 4955,Ced 175	BRTNB	VUL	20 04.8	+29 15	99.9	99.9	119	09
PK 68- 0.1	M1-75	PLNNB	CYG	20 04.8	+31 28	16.0	99.9	119	09
Berk 84		OPNCL	CYG	20 04.8	+33 52	99.9	99.9	119	09
Roslund 4		OPNCL	VUL	20 04.9	+29 13	10.0	99.9	119	09
PK 63- 3.1		PLNNB	VUL	20 05.0	+25 26	99.9	99.9	163	09
NGC 6861A		GALXY	TEL	20 05.0	-48 01	99.9	99.9	411	23
NGC 6863		8STAR	AQL	20 05.1	-03 34	99.9	99.9	253	16
NGC 6854		GALXY	TEL	20 05.6	-54 24	12.2	13.2	436	26
DoDz 10		OPNCL	CYG	20 05.7	+40 32	99.9	99.9	084	09
NGC 6871		OPNCL	CYG	20 05.9	+35 47	05.2	99.9	119	09
NGC 6851A		GALXY	TEL	20 05.9	-48 00	16.1	14.6	411	23
NGC 6851B		GALXY	TEL	20 05.9	-48 00	14.0	13.5	411	23
NGC 6865		GALXY	AQL	20 06.0	-09 02	99.9	99.9	298	16
NGC 6864	M 75	GLOCL	SGR	20 06.1	-21 55	08.6	99.9	343	23
NGC 6849		GALXY	SGR	20 06.1	-40 13	12.1	12.8	411	23
NGC 6861B		GALXY	TEL	20 06.2	-48 30	14.1	12.9	411	23
NGC 6861C		GALXY	TEL	20 06.6	-48 42	14.0	13.4	411	23
Basel 6		OPNCL	CYG	20 06.8	+38 21	07.7	99.9	119	09
NGC 6855		GALXY	TEL	20 06.8	-56 24	12.8	13.3	436	26
PK 79+ 6.1		PLNNB	CYG	20 06.9	+44 15	99.9	99.9	084	09
PK 69+ 0.1		PLNNB	CYG	20 07.0	+32 17	99.9	99.9	119	09
NGC 6861		GALXY	TEL	20 07.3	-48 23	11.1	12.8	411	23
Biur 1		OPNCL	CYG	20 07.5	+35 41	99.9	99.9	119	09
NGC 6874	H VIII 86	NONEX	CYG	20 07.8	+38 14	99.9	99.9	119	09
Do 1		OPNCL	CYG	20 08.2	+36 33	99.9	99.9	119	09
NGC 6873		2STAR	SGE	20 08.3	+21 06	99.9	99.9	163	09
NGC 6861D		GALXY	TEL	20 08.3	-48 15	12.4	12.9	411	23
NGC 6860		UVSOB	PAV	20 08.7	-61 06	99.9	99.9	457	26
NGC 6862		UVSOB	TEL	20 08.9	-56 23	99.9	99.9	436	26
PK 79+ 5.1	M4-17	PLNNB	CYG	20 09.0	+43 44	12.3	99.9	084	09
Biur 2		OPNCL	CYG	20 09.2	+35 29	06.3	99.9	119	09
NGC 6868		GALXY	TEL	20 09.9	-48 23	10.6	13.1	411	23
Roslund 5		OPNCL	CYG	20 10.0	+33 46	99.9	99.9	119	09
Do 2		OPNCL	CYG	20 10.0	+41 22	99.9	99.9	084	09
NGC 6870		GALXY	TEL	20 10.1	-48 18	12.3	13.4	411	23
IC 1311		CL+NB	CYG	20 10.3	+41 13	13.1	99.9	084	09
IC 1310	Be 50	CL+NB	CYG	20 10.4	+34 46	99.9	99.9	119	09
NGC 6884	PK82+7.1	PLNNB	CYG	20 10.4	+46 28	12.6	99.9	084	09
NGC 6867		GALXY	TEL	20 10.4	-54 47	13.1	13.3	436	26
NGC 6879	PK57-8.1	PLNNB	SGE	20 10.5	+16 55	11.0	99.9	208	16
NGC 6886	PK60-7.2	PLNNB	SGE	20 10.5	+16.55	12.5	99.9	208	16
Berk 50		OPNCL	CYG	20 10.5	+34 56	99.9	99.9	119	09
NGC 6881	PK74+2.1	PLNNB	CYG	20 10.8	+37 25	14.3	99.9	119	09
NGC 6861E		GALXY	TEL	20 10.9	-48 39	14.2	13.1	411	23
NGC 6861F		GALXY	TEL	20 11.2	-48 17	14.7	13.6	411	23
NGC 6883		OPNCL	CYG	20 11.3	+35 51	08	99.9	119	09
NGC 6882	H VIII 22	OPNCL	VUL	20 11.7	+26 33	08.1	99.9	163	09

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NGC 6876A		GALXY	PAV	20 11.7	-71 01	99.9	99.9	457	26
Ru 172		OPNCL	CYG	20 11.8	+35 38	99.9	99.9	119	09
PK 60- 7.1	He1-5	PLNNB	SGE	20 11.9	+20 19	16.0	99.9	163	09
NGC 6875A		GALXY	TEL	20 11.9	-46 09	13.1	13.2	411	23
NGC 6885	H VIII 20	OPNCL	VUL	20 12.0	+26 29	08.1	99.9	163	09
Berk 51		OPNCL	CYG	20 12.1	+34 21	99.9	99.9	119	09
Mel 227	Cr 411	OPNCL	OCT	20 12.1	-79 19	05.3	99.9	470	26
PK 72+ 0.1		PLNNB	CYG	20 12.8	+34 20	99.9	99.9	119	09
NGC 6888	H IV 72	BRTNB	CYG	20 12.8	+38 20	99.9	99.9	119	09
PK 67- 0.1		PLNNB	CYG	20 13.2	+30 32	99.9	99.9	119	09
NGC 6875		GALXY	TEL	20 13.2	-46 09	12.1	13.1	411	23
NGC 6878A		GALXY	SGR	20 13.4	-44 49	13.2	13.5	411	23
B343	LDN 880	DRKNB	CYG	20 13.5	+40 16	79.9	79.9	084	09
NGC 6878		GALXY	SGR	20 13.7	-44 31	12.7	13.3	411	23
PK 68- 2.1		PLNNB	VUL	20 13.9	+29 34	99.9	99.9	119	09
Berk 52		OPNCL	VUL	20 14.5	+28 58	99.9	99.9	119	09
NGC 6891	PK54-12.1	PLNNB	DEL	20 15.2	+12 42	10.5	99.9	208	16
Do 3		OPNCL	CYG	20 15.7	+36 47	99.9	99.9	119	09
NGC 6894	PK69-2.1,H IV 13	PLNNB	CYG	20 16.4	+30 34	14.4	99.9	119	09
Do 39		OPNCL	CYG	20 16.4	+37 52	99.9	99.9	119	09
NGC 6895	H VIII 83	NONEX	CYG	20 16.4	+50 14	99.9	99.9	055	03
IC 4996	Cr 418	OPNCL	CYG	20 16.5	+37 38	07.3	99.9	119	09
NGC 6892		NONEX	SGE	20 16.8	+18 02	99.9	99.9	163	16
NGC 6872		GALXY	PAV	20 16.9	-70 45	11.8	14.2	457	26
NGC 6887		GALXY	TEL	20 17.2	-52 46	12.1	13.5	436	26
PK 65- 5.1	He1-6	PLNNB	VUL	20 17.3	+25 22	14.0	99.9	163	09
vdB 130	OCL 167	OPNCL	CYG	20 17.7	+39 19	09.3	99.9	084	09
Sh2-104		BRTNB	CYG	20 17.8	+36 44	99.9	99.9	119	09
NGC 6896		NONEX	CYG	20 18.0	+30 39	99.9	99.9	119	09
Do 4		OPNCL	CYG	20 18.0	+36 40	99.9	99.9	119	09
Cr 419		OPNCL	CYG	20 18.1	+40 43	05.4	99.9	084	09
Do 40		OPNCL	CYG	20 18.2	+37 50	99.9	99.9	119	09
NGC 6890		GALXY	SGR	20 18.2	-44 48	12.3	12.8	411	23
NGC 6876		GALXY	PAV	20 18.3	-70 51	11.1	13.0	457	26
NGC 6877		GALXY	PAV	20 18.6	-70 50	12.2	12.6	457	26
NGC 6889		UVSOB	TEL	20 18.9	-53 57	99.9	99.9	436	26
Berk 85		OPNCL	CYG	20 19.1	+37 43	99.9	99.9	119	09
Do 41		OPNCL	CYG	20 19.3	+37 44	99.9	99.9	119	09
NGC 6880		GALXY	PAV	20 19.5	-70 51	12.2	12.7	457	26
PK 66- 5.1	Peimbert 24	PLNNB	VUL	20 19.6	+27 00	13.6	99.9	163	09
NGC 6911		GALXY	DRA	20 19.6	+66 45	14.3	14.9	032	03
Do 42		OPNCL	CYG	20 19.7	+38 08	99.9	99.9	119	09
PK 76+ 1.1	Abell 69	PLNNB	CYG	20 19.9	+38 24	16.5	99.9	119	09
IC 4997	PK58-10.1	PLNNB	SGE	20 20.2	+16 45	11.3	99.9	208	16
Berk 86		OPNCL	CYG	20 20.4	+38 42	07.9	99.9	120	09
Do 5		OPNCL	CYG	20 20.8	+39 17	99.9	99.9	084	09
NGC 6893		GALXY	TEL	20 20.8	-48 15	11.8	13.3	411	23
Do 43		OPNCL	CYG	20 21.0	+39 57	99.9	99.9	084	09
Do 6		OPNCL	CYG	20 21.0	+41 23	99.9	99.9	084	09

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NGC 6897		GALXY	CAP	20 21.0	-12 16	15.0	99.9	298	16
PK 71- 2.1	M3-35	PLNNB	CYG	20 21.1	+32 29	14.5	99.9	120	09
NGC 6898		GALXY	CAP	20 21.2	-12 21	14.0	99.9	298	16
NGC 6900		GALXY	AQL	20 21.6	-02 34	14.0	99.9	253	16
Berk 87		OPNCL	CYG	20 21.7	+37 22	99.9	99.9	120	09
NGC 6904		NONEX	VUL	20 21.8	+25 45	99.9	99.9	163	09
Berk 88		OPNCL	CYG	20 21.8	+48 05	99.9	99.9	084	09
PK 69- 3.1	K3-58	PLNNB	CYG	20 21.9	+30 00	14.6	99.9	120	09
IC 1318	Sh2-108	BRTNB	CYG	20 22.2	+40 15	99.9	99.9	084	09
NGC 6901	IC 1316	GALXY	AQL	20 22.3	+06 27	13.7	13.4	208	16
NGC 6905	PK61-9.1,H IV 16	PLNNB	DEL	20 22.4	+20 06	12.0	99.9	163	09
NGC 6910	H VIII 56	OPNCL	CYG	20 23.1	+40 47	07.4	99.9	084	09
NGC 6902A		GALXY	SGR	20 23.1	-44 17	13.9	14.1	411	23
NGC 6902B		GALXY	SGR	20 23.2	-43 53	13.6	14.2	411	23
IC 1317	UGC 11546	GALXY	AQL	20 23.3	+00 40	13.8	12.9	253	16
Cr 421		OPNCL	CYG	20 23.3	+41 42	10.1	99.9	084	09
NGC 6916		GALXY	CYG	20 23.4	+58 22	13.5	14.1	055	03
NGC 6906		GALXY	AQL	20 23.5	+06 27	12.3	12.4	208	16
NGC 6903		GALXY	CAP	20 23.6	-19 19	11.9	13.8	343	16
IC 5006		GALXY	AQL	20 23.7	+06 27	12.0	99.9	208	15
NGC 6913	M 29	OPNCL	CYG	20 23.9	+38 32	06.6	99.9	120	09
IC 4946	ESO 285-G007	GALXY	SGR	20 23.9	-44 00	11.8	12.6	411	22
UGC 11557	MCG +10-29-005	GALXY	CEP	20 24.0	+60 12	13.2	14.5	055	03
New 5	ESO 285-G7	GALXY	SGR	20 24.0	-44 00	12.4	99.9	411	23
NGC 6899		UVSOB	TEL	20 24.4	-50 25	99.9	99.9	436	26
NGC 6902		GALXY	SGR	20 24.6	-43 40	10.9	14.1	412	23
LDN 889		DRKNB	CYG	20 24.8	+40 10	79.9	79.9	085	09
Do 8		OPNCL	CYG	20 24.8	+42 16	99.9	99.9	085	09
NGC 6914		BRTNB	CYG	20 24.8	+42 19	99.9	99.9	085	09
Berk 89		OPNCL	CYG	20 25.0	+45 59	99.9	99.9	085	09
NGC 6907	H III 141	GALXY	CAP	20 25.1	-24 48	11.2	13.4	343	23
NGC 6908		NONEX	CAP	20 25.2	-24 48	99.9	99.9	343	23
Do 9		OPNCL	CYG	20 26.0	+41 56	99.9	99.9	085	09
Do 10		OPNCL	CYG	20 26.3	+40 07	99.9	99.9	085	09
B346		DRKNB	CYG	20 26.7	+43 45	79.9	79.9	085	09
Do 11		OPNCL	CYG	20 26.8	+41 27	99.9	99.9	085	09
NGC 6912		GALXY	CAP	20 26.8	-18 38	13.1	13.5	343	16
NGC 6917	UGC 11563	GALXY	DEL	20 27.4	+08 06	14.5	99.9	208	16
NGC 6915		GALXY	AQL	20 27.7	-03 03	99.9	99.9	253	16
NGC 6909		GALXY	TEL	20 27.7	-47 02	11.7	12.6	412	23
PK 64- 9.1		PLNNB	VUL	20 28.2	+22 51	99.9	99.9	163	09
B347		DRKNB	CYG	20 28.4	+39 55	79.9	79.9	085	09
NGC 6921		GALXY	VUL	20 28.5	+25 43	13.4	11.4	163	09
Roslund 6		OPNCL	CYG	20 29.2	+39 23	99.9	99.9	085	09
Do 44		OPNCL	CYG	20 29.7	+41 43	99.9	99.9	085	09
NGC 6922		GALXY	AQL	20 29.9	-02 11	13.5	13.7	253	16
vdB 133		BRTNB	CYG	20 30.7	+36 56	99.9	99.9	120	09
NGC 6939	H VI 42	OPNCL	CEP	20 31.4	+60 38	07.8	99.9	056	03
PK 38-25.1	Abell 70	PLNNB	AQL	20 31.6	-07 05	14.3	99.9	298	16

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NGC 6923		GALXY	MIC	20 31.6	-30 51	11.9	13.1	381	23
NGC 6919		GALXY	MIC	20 31.6	-44 13	13.0	13.6	412	23
NGC 6918		GALXY	IND	20 31.6	-47 28	13.5	13.0	412	23
PK 85+ 4.1	Abell 71	PLNNB	CYG	20 32.4	+47 21	15.2	99.9	085	09
NGC 6927A		GALXY	DEL	20 32.6	+09 53	99.9	99.9	209	16
NGC 6927	IC 1325	GALXY	DEL	20 32.6	+09 55	14.5	13.3	209	16
NGC 6928	IC 1326	GALXY	DEL	20 32.8	+09 55	12.2	12.3	209	16
NGC 6930		GALXY	DEL	20 33.0	+09 52	12.8	12.1	209	16
NGC 6926	H III 142	GALXY	AQL	20 33.1	-02 01	12.4	13.3	254	16
NGC 6924		GALXY	CAP	20 33.2	-25 30	12.8	14.1	344	23
NGC 6929		GALXY	AQL	20 33.4	-02 02	13.4	12.6	254	16
NGC 6933		2STAR	DEL	20 33.6	+07 23	99.9	99.9	209	16
NGC 6931		GALXY	CAP	20 33.6	-11 23	14.0	99.9	299	16
Sh2-112		BRTNB	CYG	20 33.9	+45 39	99.9	99.9	085	09
NGC 6934	H I 103	GLOCL	DEL	20 34.2	+07 24	08.9	99.9	209	16
NGC 6925		GALXY	MIC	20 34.3	-31 59	11.3	13.0	381	23
Sh2-115		BRTNB	CYG	20 34.5	+46 52	99.9	99.9	085	09
NGC 6940	H VII 8	OPNCL	VUL	20 34.6	+28 18	06.3	99.9	120	09
NGC 6938	H VIII 17	NONEX	VUL	20 34.8	+22 15	99.9	99.9	164	09
NGC 6946	H IV 76	GALXY	CEP	20 34.8	+60 09	08.8	13.8	056	03
NGC 6949		GALXY	CEP	20 35.1	+64 48	13.5	13.9	032	03
Berk 90		OPNCL	CYG	20 35.9	+46 48	99.9	99.9	085	09
NGC 6936		GALXY	CAP	20 35.9	-25 19	12.8	13.4	344	23
PK 63-12.1		PLNNB	DEL	20 36.1	+20 10	99.9	99.9	164	09
NGC 6941		GLOCL	AQL	20 36.3	-04 38	13.5	99.9	254	16
NGC 6951		GALXY	CEP	20 37.2	+66 06	10.6	13.3	032	03
NGC 6952		NONEX	CEP	20 37.6	+66 26	99.9	99.9	032	03
NGC 6953		NONEX	CEP	20 37.9	+65 45	99.9	99.9	032	03
NGC 6944A		GALXY	DEL	20 38.1	+06 54	14.1	13.6	209	16
NGC 6944		GALXY	DEL	20 38.3	+06 59	13.8	13.6	209	16
NGC 6935		GALXY	IND	20 38.3	-52 07	12.0	13.2	437	26
NGC 6937		GALXY	IND	20 38.7	-52 10	12.9	14.4	437	26
NGC 6945		GALXY	AQR	20 38.9	-05 01	13.5	99.9	254	16
LDN 896		DRKNB	CYG	20 40.0	+42 00	79.9	79.9	085	09
NGC 6942		GALXY	IND	20 40.8	-54 20	11.8	12.9	437	26
NGC 6947		GALXY	MIC	20 41.0	-32 32	14.0	99.9	381	23
NGC 6950	H VIII 23	NONEX	DEL	20 41.2	+16 38	99.9	99.9	209	16
Ru 173		OPNCL	CYG	20 41.8	+35 33	99.9	99.9	120	09
NGC 6932		UVSOB	PAV	20 42.1	-73 38	99.9	99.9	470	26
Do 47		OPNCL	CYG	20 42.2	+36 39	99.9	99.9	120	09
NGC 6948		UVSOB	IND	20 43.5	-53 22	99.9	99.9	437	26
NGC 6956	H III 219	GALXY	DEL	20 44.0	+12 30	12.3	13.6	209	16
NGC 6920		UVSOB	OCT	20 44.0	-80 00	99.9	99.9	470	26
NGC 6954		GALXY	DEL	20 44.1	+03 12	13.2	12.6	254	16
Ru 174		OPNCL	CYG	20 44.2	+37 03	99.9	99.9	120	09
NGC 6955		GALXY	DEL	20 44.4	+02 35	13.6	14.1	254	16
NGC 6943		GALXY	PAV	20 44.6	-68 45	11.4	13.5	457	26
NGC 6957		GALXY	DEL	20 44.9	+02 34	14.4	13.3	254	16
Ru 175		OPNCL	CYG	20 45.2	+35 30	99.9	99.9	120	09

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NGC 6960	H V 15	SNREM	CYG	20 45.6	+30 43	99.9	99.9	120	09
NGC 6985		GALXY	AQR	20 46.0	-11 06	99.9	99.9	299	16
MCG -02-53-003	Aquarius Dwarf	GALXY	AQR	20 46.8	-12 51	13.9	14.8	299	16
NGC 6959		GALXY	AQR	20 47.1	+00 27	13.7	11.8	254	16
NGC 6961		GALXY	AQR	20 47.2	+00 23	13.7	12.3	254	16
NGC 6964	H II 427	GALXY	AQR	20 47.4	+00 19	13.0	13.8	254	16
NGC 6962	H II 426	GALXY	AQR	20 47.4	+00 20	12.1	14.0	254	16
NGC 6966		2STAR	AQR	20 47.4	+00 22	99.9	99.9	254	16
NGC 6963		2STAR	AQR	20 47.4	+00 30	15.0	99.9	254	16
NGC 6965	UGC 11630	GALXY	AQR	20 47.4	+00 30	14.0	13.0	254	16
NGC 6967		GALXY	AQR	20 47.6	+00 25	13.1	12.6	254	16
NGC 6969	UGC 11633	GALXY	DEL	20 48.4	+07 45	14.0	12.8	209	16
NGC 6968		GALXY	AQR	20 48.4	-08 20	14.0	99.9	299	16
NGC 6958		GALXY	MIC	20 48.6	-38 00	11.4	12.7	381	23
B350		DRKNB	CYG	20 49.1	+45 53	79.9	79.9	085	09
B148-9		DRKNB	CEP	20 49.1	+59 32	79.9	79.9	056	03
NGC 6971		GALXY	DEL	20 49.4	+06 00	13.7	13.5	209	16
NGC 6972		GALXY	DEL	20 50.0	+09 55	13.3	12.4	209	16
PK 59-18.1	Abell 72	PLNNB	DEL	20 50.1	+13 34	13.8	99.9	209	16
B150		DRKNB	CEP	20 50.6	+60 18	79.9	79.9	056	03
NGC 6974		BRTNB	CYG	20 50.8	+31 52	99.9	99.9	120	09
IC 5068		BRTNB	CYG	20 50.8	+42 31	99.9	99.9	085	09
IC 5070		BRTNB	CYG	20 50.8	+44 21	99.9	99.9	085	09
NGC 6979	H II 206	BRTNB	CYG	20 51.0	+32 09	99.9	99.9	120	09
PK 77- 5.1		PLNNB	CYG	20 51.0	+35 35	99.9	99.9	120	09
DoDz 11		OPNCL	CYG	20 51.0	+35 57	99.9	99.9	120	09
NGC 6970		GALXY	IND	20 52.0	-48 47	12.6	12.6	412	23
IC 5063		GALXY	IND	20 52.0	-57 05	11.9	12.9	437	26
IC 5052		GALXY	PAV	20 52.0	-69 12	11.2	12.7	457	26
NGC 6973		1STAR	AQR	20 52.1	-05 53	99.9	99.9	299	16
NGC 6975		GALXY	AQR	20 52.3	-05 48	15.0	99.9	299	16
NGC 6976	MCG -01-53-015	GALXY	AQR	20 52.4	-05 46	14.0	14.2	299	16
NGC 6977		GALXY	AQR	20 52.5	-05 44	13.2	13.2	299	16
NGC 6978		GALXY	AQR	20 52.6	-05 42	13.3	13.1	299	16
NGC 6980		1STAR	AQR	20 52.8	-05 49	99.9	99.9	299	16
Roslund 7		OPNCL	CYG	20 53.2	+37 55	99.9	99.9	120	09
NGC 6981	M 72	GLOCL	AQR	20 53.5	-12 32	09.4	99.9	299	16
Bark 1		OPNCL	CYG	20 53.7	+46 02	99.9	99.9	085	09
NGC 6989	H VIII 82	NONEX	CYG	20 54.1	+45 17	99.9	99.9	085	09
NGC 6988		GALXY	DEL	20 55.8	+10 32	15.0	99.9	209	16
IC 5076		BRTNB	CYG	20 55.9	+47 25	99.9	99.9	085	09
IC 1340		SNREM	CYG	20 56.2	+31 04	99.9	99.9	120	09
NGC 6986		GALXY	CAP	20 56.2	-18 35	13.6	12.9	344	16
NGC 6992	H V 14	SNREM	CYG	20 56.3	+31 42	99.9	99.9	120	09
NGC 6996		OPNCL	CYG	20 56.4	+45 28	10.0	99.9	085	09
NGC 6997	H VIII 58	OPNCL	CYG	20 56.5	+44 39	99.9	99.9	085	09
PK 95+ 7.1	Abell 73	PLNNB	CEP	20 56.5	+57 26	16.5	99.9	056	03
NGC 6991	H VIII 76	OPNCL	CYG	20 56.6	+47 25	99.9	99.9	085	09
Berk 53		OPNCL	CYG	20 56.6	+51 02	99.9	99.9	056	03

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LDN 935		DRKNB	CYG	20 56.8	+43 52	79.9	79.9	085	09
NGC 6983		GALXY	MIC	20 56.8	-43 58	13.3	12.4	412	23
NGC 6995		SNREM	CYG	20 57.0	+31 13	99.9	99.9	120	09
B352		DRKNB	CYG	20 57.1	+45 22	79.9	79.9	085	09
UGC 11651		GALXY	VUL	20 57.3	+25 58	13.9	14.8	164	09
NGC 6982		GALXY	IND	20 57.4	-51 51	13.7	13.1	437	26
NGC 6984		GALXY	IND	20 57.9	-51 52	12.7	13.4	437	26
NGC 6987		GALXY	IND	20 58.0	-48 37	12.4	13.0	412	23
NGC 7000	H V 37?	BRTNB	CYG	20 58.8	+44 20	99.9	99.9	085	09
NGC 6994	M 73	OPNCL	AQR	20 59.0	-12 38	08.9	99.9	299	16
NGC 6993		NONEX	CAP	20 59.5	-25 41	99.9	99.9	344	23
NGC 6990		UVSOB	IND	21 00.0	-55 34	99.9	99.9	437	26
Cr 427		OPNCL	CEP	21 00.4	+68 10	13.8	99.9	033	03
PK 93+ 5.1	K4-44	PLNNB	CYG	21 00.5	+54 33	99.9	99.9	056	03
NGC 7023	H IV 74	CL+NB	CEP	21 00.5	+68 10	07.1	99.9	033	03
NGC 7008	PK93+5.2	PLNNB	CYG	21 00.6	+54 33	12.0	99.9	056	03
NGC 7003		GALXY	DEL	21 00.8	+17 48	13.0	12.7	164	16
NGC 7001		GALXY	AQR	21 01.2	-00 11	12.9	13.3	254	16
NGC 7006	H I 52	GLOCL	DEL	21 01.5	+16 11	10.6	99.9	209	16
NGC 6998		GALXY	MIC	21 01.6	-28 01	14.2	13.5	382	23
NGC 7011		NONEX	CYG	21 01.9	+47 19	99.9	99.9	085	09
NGC 7005		OPNCL	AQR	21 02.0	-12 53	99.9	99.9	299	16
NGC 6999		GALXY	MIC	21 02.0	-27 51	14.0	13.4	344	23
PK 80- 6.1	IV Zw 67,CRL 2688	PLNNB	CYG	21 02.3	+36 42	13.5	99.9	121	09
Berk 54		OPNCL	CYG	21 03.2	+40 28	99.9	99.9	085	09
Cr 428		OPNCL	CYG	21 03.2	+44 35	08.7	99.9	085	09
NGC 7013	H II 203	GALXY	CYG	21 03.6	+29 54	11.3	13.1	121	09
NGC 7002		GALXY	IND	21 03.6	-49 01	12.4	13.0	412	23
NGC 7004		GALXY	IND	21 03.9	-49 07	13.8	13.4	412	23
NGC 7009	PK37-34.1	PLNNB	AQR	21 04.2	-11 22	08.3	99.9	300	16
NGC 7010	IC 5082	GALXY	AQR	21 04.7	-12 20	14.0	99.9	300	16
NGC 7007		GALXY	IND	21 05.5	-52 33	12.0	12.7	437	26
NGC 7015	UGC 11674	GALXY	EQU	21 05.7	+11 25	12.5	13.6	210	16
NGC 7024	H VIII 57	NONEX	CYG	21 06.0	+41 30	99.9	99.9	085	09
NGC 7026	PK89+0.1	PLNNB	CYG	21 06.3	+47 51	12.0	99.9	085	09
NGC 7019		GALXY	CAP	21 06.4	-24 25	99.9	99.9	345	23
NGC 7012		UVSOB	MIC	21 06.8	-44 49	99.9	99.9	412	23
NGC 7027	PK84-3.1	PLNNB	CYG	21 07.1	+42 14	09.6	99.9	085	09
NGC 7031	H VIII 74	OPNCL	CYG	21 07.3	+50 50	09.1	99.9	056	03
NGC 7016		GALXY	CAP	21 07.4	-25 30	15.0	99.9	345	23
NGC 7017		GALXY	CAP	21 07.5	-25 30	15.0	99.9	345	23
NGC 7018		GALXY	CAP	21 07.6	-25 28	14.0	99.9	345	23
NGC 7025	UGC 11681	GALXY	DEL	21 07.9	+16 20	12.8	13.6	210	16
NGC 7014		GALXY	IND	21 07.9	-47 11	12.4	13.4	412	23
NGC 7028		NONEX	DEL	21 08.3	+18 29	99.9	99.9	165	16
Do 45		OPNCL	CYG	21 09.0	+37 36	99.9	99.9	121	09
NGC 7022		GALXY	IND	21 09.5	-49 18	13.0	13.4	412	23
NGC 7033		GALXY	PEG	21 09.6	+15 07	14.1	12.6	210	16
NGC 7034	UGC 11687	GALXY	PEG	21 09.7	+15 09	13.8	13.5	210	16

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NGC 7036		NONEX	PEG	21	10.2	+15	27	99.9	99.9	210	16
Basel 12		OPNCL	CYG	21	10.6	+46	14	99.9	99.9	085	09
NGC 7037		NONEX	CYG	21	10.7	+33	43	99.9	99.9	121	09
NGC 7035		GALXY	CAP	21	10.8	-23	08	15.0	99.9	345	23
NGC 7039		OPNCL	CYG	21	11.2	+45	39	07.6	99.9	085	09
NGC 7030		GALXY	CAP	21	11.2	-20	30	13.7	13.1	345	23
NGC 7021		NONEX	PAV	21	11.3	-64	02	99.9	99.9	458	26
NGC 7020		GALXY	PAV	21	11.4	-64	03	11.8	13.8	458	26
Berk 91		OPNCL	CYG	21	11.8	+48	28	99.9	99.9	085	09
Sh2-129		BRTNB	CEP	21	11.8	+59	57	99.9	99.9	056	03
NGC 7029		GALXY	IND	21	11.9	-49	17	11.5	12.9	412	23
IC 1369	Cr 432	OPNCL	CYG	21	12.1	+47	44	08.8	99.9	086	09
Basel 13		OPNCL	CYG	21	12.4	+46	34	99.9	99.9	086	09
NGC 7044	H VI 24	OPNCL	CYG	21	12.9	+42	29	12.0	99.9	086	09
B361	LDN 970	DRKNB	CYG	21	12.9	+47	22	79.9	79.9	086	09
NGC 7040	UGC 11701	GALXY	EQU	21	13.2	+08	51	14.9	99.9	210	16
NGC 7042	H III 209	GALXY	PEG	21	13.8	+13	33	12.0	13.2	210	16
PK 89- 0.1	Sh1-89	PLNNB	CYG	21	14.0	+47	45	14.8	99.9	086	09
NGC 7043		GALXY	PEG	21	14.1	+13	36	13.7	13.4	210	16
B152		DRKNB	CEP	21	14.5	+61	45	79.9	79.9	033	03
NGC 7045		2STAR	EQU	21	14.8	+04	31	99.9	99.9	255	16
NGC 7046	H III 858	GALXY	EQU	21	14.9	+02	50	13.1	13.9	255	16
NGC 7048	PK88-1.1	PLNNB	CYG	21	14.9	+46	18	11.0	99.9	086	09
NGC 7050		NONEX	CYG	21	15.1	+36	12	99.9	99.9	121	09
NGC 7038		GALXY	IND	21	15.2	-47	13	11.9	13.5	413	23
NGC 7032		UVSOB	PAV	21	15.4	-68	17	99.9	99.9	458	26
Basel 15		OPNCL	CYG	21	16.1	+48	51	99.9	99.9	086	09
NGC 7038A		GALXY	IND	21	16.2	-47	37	99.9	99.9	413	23
NGC 7047		GALXY	AQR	21	16.5	-00	50	13.4	12.9	255	16
NGC 7041		GALXY	IND	21	16.5	-48	22	11.2	12.9	413	23
PK 72-17.1	Abell 74	PLNNB	VUL	21	16.8	+24	10	12.2	99.9	165	09
Berk 55		OPNCL	CYG	21	16.9	+51	47	99.9	99.9	056	03
vdB 140		BRTNB	CEP	21	17.5	+58	36	99.9	99.9	056	03
Berk 56		OPNCL	CYG	21	17.9	+41	54	99.9	99.9	086	09
NGC 7041B		GALXY	IND	21	17.9	-48	25	99.9	99.9	413	23
NGC 7041A		GALXY	IND	21	18.0	-48	25	99.9	99.9	413	23
NGC 7052	H III 145	GALXY	VUL	21	18.6	+26	27	12.4	13.8	165	09
NGC 7049		GALXY	IND	21	19.0	-48	34	10.7	13.3	413	23
PK 89- 2.1	M1-77	PLNNB	CYG	21	19.1	+46	19	18.0	99.9	086	09
NGC 7055		NONEX	CEP	21	19.4	+57	35	99.9	99.9	056	03
NGC 7051		GALXY	AQR	21	19.8	-08	47	14.0	99.9	300	16
NGC 7054		NONEX	CYG	21	20.7	+39	10	99.9	99.9	086	09
NGC 7058		NONEX	CYG	21	21.0	+50	48	99.9	99.9	056	03
NGC 7053	UGC 11727	GALXY	PEG	21	21.1	+23	04	13.0	13.5	165	09
Basel 14		OPNCL	CYG	21	21.5	+44	49	99.9	99.9	086	09
NGC 7056		GALXY	PEG	21	22.2	+18	39	12.9	12.7	165	16
PK 83- 8.1	K3-81	PLNNB	CYG	21	22.3	+38	07	15.7	99.9	121	09
NGC 7062	H VII 51	OPNCL	CYG	21	23.2	+46	23	08.3	99.9	086	09
B362	LDN 1017	DRKNB	CYG	21	24.0	+50	10	79.9	79.9	056	03

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NGC 7067	H VII 50	OPNCL	CYG	21	24.2	+48 01	09.7	99.9	086	09
NGC 7063		OPNCL	CYG	21	24.4	+36 30	07	99.9	121	09
IC 5105		GALXY	MIC	21	24.4	-40 37	11.6	13.2	413	23
NGC 7057		GALXY	MIC	21	25.0	-42 29	12.6	12.8	413	23
Berk 92		OPNCL	CEP	21	25.5	+57 30	99.9	99.9	056	03
NGC 7076	H III 936	BRTNB	CEP	21	25.8	+62 48	99.9	99.9	033	03
NGC 7060		GALXY	MIC	21	25.9	-42 24	12.9	13.2	413	23
NGC 7066	UGC 11741	GALXY	PEG	21	26.2	+14 10	13.8	13.6	210	16
PK101- 8.1	Abell 75	PLNNB	CEP	21	26.4	+62 53	13.2	99.9	033	03
NGC 7071		NONEX	CYG	21	26.5	+47 57	99.9	99.9	086	09
NGC 7068		GALXY	PEG	21	26.6	+12 13	14.8	99.9	210	16
NGC 7065		GALXY	AQR	21	26.7	-07 00	15.0	99.9	300	16
NGC 7065A		GALXY	AQR	21	26.9	-07 03	13.1	13.7	300	16
NGC 7061		UVSOB	IND	21	27.4	-49 04	99.9	99.9	413	23
NGC 7059		GALXY	PAV	21	27.4	-60 01	11.9	13.6	437	26
PK 98+ 4.1	K3-60	PLNNB	CEP	21	27.5	+57 39	15.0	99.9	056	03
NGC 7069		GALXY	AQR	21	28.1	-01 38	13.4	13.4	255	16
NGC 7064		GALXY	IND	21	29.0	-52 46	12.5	13.3	437	26
NGC 7082	H VII 52	OPNCL	CYG	21	29.4	+47 05	07.2	99.9	086	09
NGC 7074		GALXY	PEG	21	29.5	+06 42	99.9	99.9	210	16
NGC 7073		GALXY	CAP	21	29.5	-11 28	14.0	99.9	300	16
NGC 7077	UGC 11755	GALXY	AQR	21	29.9	+02 25	13.1	12.5	255	16
NGC 7078	M 15	GLOCL	PEG	21	30.0	+12 10	06.4	99.9	210	16
NGC 7080		GALXY	VUL	21	30.0	+26 43	12.3	13.4	165	09
PK 96+ 2.1		PLNNB	CYG	21	30.0	+54 27	99.9	99.9	056	03
PK 50-36.1	Abell 76	GALXY	AQR	21	30.1	-02 48	15.6	99.9	255	16
NGC 7086	H VI 32	OPNCL	CYG	21	30.5	+51 35	08.4	99.9	057	03
NGC 7070		GALXY	GRU	21	30.5	-43 06	12.3	13.7	413	23
NGC 7072		GALXY	GRU	21	30.6	-43 09	13.7	12.9	413	23
NGC 7072A		GALXY	GRU	21	30.6	-43 12	13.9	12.9	413	23
PK 93- 0.1	K3-82	PLNNB	CYG	21	31.1	+50 00	14.9	99.9	057	03
NGC 7081	H III 859	GALXY	AQR	21	31.4	+02 30	12.7	13.2	255	16
NGC 7075		GALXY	GRU	21	31.5	-38 36	12.7	12.7	382	23
NGC 7084		NONEX	PEG	21	31.8	+17 25	99.9	99.9	165	16
NGC 7070A		GALXY	GRU	21	31.8	-42 47	12.3	13.3	413	23
PK 95+ 0.1		PLNNB	CYG	21	32.0	+52 34	15.8	99.9	057	03
NGC 7092	M 39	OPNCL	CYG	21	32.2	+48 26	04.6	99.9	086	09
PK 97+ 3.1	Abell 77	PLNNB	CEP	21	32.2	+55 53	15.2	99.9	057	03
NGC 7085		GALXY	PEG	21	32.3	+06 36	15.2	99.9	210	16
IC 5117	PK89-5.1	PLNNB	CYG	21	32.5	+44 36	13.3	99.9	086	09
NGC 7079		GALXY	GRU	21	32.5	-44 05	11.6	12.6	413	23
PK 86- 8.1	Hu 1-2	PLNNB	CYG	21	33.1	+39 38	12.7	99.9	086	09
NGC 7088		NONEX	AQR	21	33.4	-00 23	99.9	99.9	255	16
NGC 7089	M 2	GLOCL	AQR	21	33.5	-00 49	06.5	99.9	255	16
B364		DRKNB	CYG	21	33.6	+54 33	79.9	79.9	057	03
B157	LDN 1075	DRKNB	CYG	21	33.7	+54 40	79.9	79.9	057	03
NGC 7091		GALXY	GRU	21	34.1	-36 38	12.9	14.1	382	23
NGC 7087		GALXY	GRU	21	34.6	-40 49	13.0	12.5	413	23
NGC 7093		NONEX	CYG	21	34.8	+46 01	99.9	99.9	086	09

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B365	LDN 1090	DRKNB	CEP	21	34.9	+56 43	79.9	79.9	057	03
PK 96+ 1.1		PLNNB	CYG	21	35.4	+53 47	99.9	99.9	057	03
PK 81-14.1	Abell 78	PLNNB	CYG	21	35.5	+31 42	14.3	99.9	121	09
NGC 7083		GALXY	IND	21	35.7	-63 54	11.2	13.5	458	26
NGC 7090		GALXY	IND	21	36.5	-54 33	10.7	13.0	438	26
NGC 7094	PK66-28.1	PLNNB	PEG	21	36.7	+12 47	13.4	99.9	211	16
PK 93+ 2.1	M1-79	PLNNB	CYG	21	37.0	+48 56	13.2	99.9	086	09
vdB 142		BRTNB	CEP	21	37.1	+57 29	99.9	99.9	057	03
vdB 143		BRTNB	CEP	21	37.1	+68 12	99.9	99.9	033	03
B160	LDN 1088	DRKNB	CEP	21	38.0	+56 14	79.9	79.9	057	03
NGC 7095	ESO 027-G001	GALXY	OCT	21	52.5	-81 32	11.5	13.6	471	24
PK 91- 4.1	K3-84	PLNNB	CYG	21	38.8	+46 00	15.2	99.9	086	09
Tr 37	Cr 439	OPNCL	CEP	21	39.0	+57 30	05.1	99.9	057	03
NGC 7096A		GALXY	IND	21	39.0	-64 21	99.9	99.9	458	26
IC 1396		CL+NB	CEP	21	39.1	+57 30	03.5	99.9	057	03
PK 98+ 2.1		PLNNB	CEP	21	39.2	+55 46	15.9	99.9	057	03
NGC 7100		GALXY	PEG	21	39.5	+08 53	14.7	99.9	211	16
NGC 7101		GALXY	PEG	21	39.6	+08 54	99.9	99.9	211	16
NGC 7102	IC 5127	GALXY	PEG	21	39.7	+06 17	14.4	99.9	211	16
NGC 7103		GALXY	CAP	21	39.9	-22 28	15.0	99.9	346	23
NGC 7104		GALXY	CAP	21	40.1	-22 25	15.0	99.9	346	23
B161	LDN 1103	DRKNB	CEP	21	40.3	+57 49	79.9	79.9	057	03
NGC 7097		GALXY	GRU	21	40.3	-42 32	11.7	12.7	413	23
NGC 7099	M 30	GLOCL	CAP	21	40.4	-23 11	07.5	99.9	346	23
NGC 7105		NONEX	CAP	21	40.5	-10 20	99.9	99.9	301	16
NGC 7097A		GALXY	GRU	21	40.6	-42 28	14.3	13.1	413	23
B162	LDN 1095	DRKNB	CEP	21	41.1	+56 19	79.9	79.9	057	03
NGC 7129	H IV 75	CL+NB	CEP	21	41.3	+66 06	11.5	99.9	033	03
NGC 7096	IC 5121	GALXY	IND	21	41.3	-63 54	11.9	13.0	458	26
NGC 7114		NONEX	CYG	21	41.7	+42 50	99.9	99.9	086	09
NGC 7111		GALXY	AQR	21	41.8	-06 43	15.0	99.9	301	16
NGC 7109		GALXY	PSA	21	41.9	-34 27	13.4	12.9	383	23
B163	LDN 1106	DRKNB	CEP	21	42.2	+56 42	79.9	79.9	057	03
NGC 7110		GALXY	PSA	21	42.2	-34 10	13.4	13.0	383	23
NGC 7112	UGC 11794	GALXY	PEG	21	42.3	+12 30	14.3	13.4	211	16
NGC 7113		GALXY	PEG	21	42.4	+12 35	15.2	99.9	211	16
NGC 7108		GALXY	AQR	21	42.4	-06 47	99.9	99.9	301	16
NGC 7107		GALXY	GRU	21	42.4	-44 48	12.8	13.8	413	23
NGC 7116		GALXY	CYG	21	42.6	+28 57	13.3	12.4	122	09
NGC 7133		BRTNB	CEP	21	42.6	+66 03	99.9	99.9	033	03
NGC 7106		UVSOB	IND	21	42.6	-52 42	99.9	99.9	438	26
PK 95- 2.1		PLNNB	CYG	21	43.3	+50 25	99.9	99.9	057	03
NGC 7115		GALXY	PSA	21	43.6	-25 21	14.0	99.9	346	23
vdB 145		BRTNB	CYG	21	43.7	+48 55	99.9	99.9	086	09
NGC 7127		OPNCL	CYG	21	43.9	+54 37	99.9	99.9	057	03
NGC 7128	H VII 40	OPNCL	CYG	21	44.0	+53 43	09.7	99.9	057	03
B367	LDN 1113	DRKNB	CEP	21	44.4	+57 12	79.9	79.9	057	03
NGC 7120		GALXY	AQR	21	44.4	-06 33	15.0	99.9	301	16
NGC 7121		GALXY	AQR	21	44.9	-03 37	14.0	99.9	256	16

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Bark 2		OPNCL	CYG	21	45.0	+51 13	99.9	99.9	057	03
NGC 7122		2STAR	CAP	21	45.7	-08 49	99.9	99.9	301	16
NGC 7117		GALXY	GRU	21	45.7	-48 24	12.8	12.9	413	23
NGC 7139	PK104+7.1	PLNNB	CEP	21	45.9	+63 39	13.5	99.9	033	03
NGC 7142	H VII 66	OPNCL	CEP	21	45.9	+65 48	09.3	99.9	033	03
NGC 7118		GALXY	GRU	21	46.1	-48 21	12.6	13.0	413	23
NGC 7119A		GALXY	GRU	21	46.3	-46 31	12.9	12.6	413	23
NGC 7119B		GALXY	GRU	21	46.3	-46 31	13.0	10.9	413	23
B164	LDN 1070	DRKNB	CYG	21	46.5	+51 04	79.9	79.9	057	03
Pal 12		GLOCL	CAP	21	46.5	-21 14	12.9	99.9	346	23
NGC 7098		GALXY	OCT	21	46.8	-75 07	11.3	13.7	471	26
NGC 7132		GALXY	PEG	21	47.2	+10 14	14.6	99.9	211	16
IC 5131		GALXY	PSA	21	47.4	-34 53	12.3	12.9	383	23
NGC 7131		GALXY	CAP	21	47.7	-13 11	14.0	99.9	301	16
NGC 7124		GALXY	IND	21	48.1	-50 34	12.3	13.6	438	26
NGC 7137	H II 261	GALXY	PEG	21	48.2	+22 10	12.4	13.1	166	09
NGC 7130	IC 5135	GALXY	PSA	21	48.3	-34 57	12.1	12.7	383	23
NGC 7143		2STAR	CYG	21	48.9	+29 57	99.9	99.9	122	09
NGC 7134		ASTER	CAP	21	48.9	-12 59	99.9	99.9	301	16
NGC 7138		GALXY	PEG	21	49.0	+12 30	14.1	13.4	211	16
NGC 7126		GALXY	IND	21	49.3	-60 37	12.2	13.5	438	26
NGC 7125		GALXY	IND	21	49.3	-60 43	12.4	14.3	438	26
NGC 7136		2STAR	CAP	21	49.7	-11 47	99.9	99.9	301	16
NGC 7135		GALXY	PSA	21	49.8	-34 53	11.7	13.5	383	23
NGC 7150		5STAR	CYG	21	50.4	+49 45	99.9	99.9	086	09
NGC 7123		UVSOB	IND	21	50.8	-70 20	99.9	99.9	458	26
NGC 7146		GALXY	PEG	21	51.8	+03 01	14.3	13.4	256	16
NGC 7147		GALXY	PEG	21	52.0	+03 04	13.5	13.2	256	16
NGC 7148		GALXY	PEG	21	52.1	+03 20	99.9	99.9	256	16
NGC 7149	UGC 11835	GALXY	PEG	21	52.2	+03 18	13.1	13.4	256	16
NGC 7141		GALXY	IND	21	52.2	-55 34	11.5	14.1	438	26
NGC 7140		NONEX	IND	21	52.3	-56 34	99.9	99.9	438	26
NGC 7144		GALXY	GRU	21	52.7	-48 15	10.8	13.6	413	23
B168		DRKNB	CYG	21	53.2	+47 12	79.9	79.9	086	09
NGC 7145		GALXY	GRU	21	53.3	-47 53	11.1	13.1	413	23
IC 5146		CL+NB	CYG	21	53.4	+47 16	10.0	99.9	086	09
NGC 7160	H VIII 67	OPNCL	CEP	21	53.7	+62 36	06.1	99.9	033	03
NGC 7152		GALXY	PSA	21	53.9	-29 16	13.6	13.1	383	23
NGC 7153		GALXY	PSA	21	54.4	-29 02	13.4	12.7	383	23
NGC 7156	H III 452	GALXY	PEG	21	54.6	+02 57	12.5	13.3	256	16
NGC 7151		GALXY	IND	21	55.0	-50 40	12.8	14.0	438	26
NGC 7154		GALXY	PSA	21	55.4	-34 49	12.4	13.6	383	23
NGC 7155		GALXY	IND	21	56.2	-49 32	12.2	13.5	413	23
NGC 7159		GALXY	PEG	21	56.4	+13 34	15.2	99.9	211	16
NGC 7164		GALXY	AQR	21	56.6	+01 22	14.2	13.4	256	16
NGC 7157		GALXY	PSA	21	56.8	-25 23	14.1	13.2	346	23
NGC 7161		2STAR	PEG	21	57.0	+02 57	99.9	99.9	256	16
Berk 93		OPNCL	CEP	21	57.1	+63 56	99.9	99.9	033	03
NGC 7158		3STAR	CAP	21	57.4	-11 36	99.9	99.9	301	16

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PK 97- 2.1	M2-50	PLNNB	CYG	21 57.7	+51 42	14.7	99.9	057	03
NGC 7175		NONEX	CYG	21 58.8	+54 49	99.9	99.9	057	03
B169-71	LDN 1151	DRKNB	CEP	21 58.9	+58 45	79.9	79.9	057	03
NGC 7163		GALXY	PSA	21 59.3	-31 53	13.4	14.0	383	23
NGC 7165	H III 930	GALXY	AQR	21 59.5	-16 31	14.0	99.9	301	16
IC 5148	PK2-52.1	PLNNB	GRU	21 59.6	-39 23	11.0	99.9	413	23
NGC 7162		GALXY	GRU	21 59.8	-43 19	12.7	13.7	413	23
NGC 7167		GALXY	AQR	22 00.5	-24 38	12.5	13.2	346	23
NGC 7177	H II 247	GALXY	PEG	22 00.7	+17 44	11.2	13.0	166	17
NGC 7162A		GALXY	GRU	22 00.7	-43 09	12.6	14.4	414	23
NGC 7166		GALXY	GRU	22 00.7	-43 25	11.9	12.6	414	23
NGC 7186	H III 165	NONEX	PEG	22 01.0	+35 06	99.9	99.9	122	09
NGC 7171	H III 692	GALXY	AQR	22 01.0	-13 16	12.2	13.6	301	17
NGC 7170		GALXY	AQR	22 01.4	-05 28	99.9	99.9	256	17
NGC 7181		GALXY	AQR	22 01.8	-01 58	14.0	13.4	256	17
NGC 7182		GALXY	AQR	22 01.9	-02 12	14.4	13.0	256	17
NGC 7172		GALXY	PSA	22 02.0	-31 52	11.9	13.1	383	23
NGC 7174		GALXY	PSA	22 02.1	-31 59	13.3	14.3	383	23
NGC 7176		GALXY	PSA	22 02.1	-31 59	11.3	11.1	383	23
NGC 7168		GALXY	IND	22 02.1	-51 45	11.9	13.1	438	26
NGC 7180	H III 693	GALXY	AQR	22 02.3	-20 33	12.6	12.7	346	23
NGC 7173	NGC 7174	GALXY	PSA	22 02.3	-32 02	12.0	12.1	383	23
NGC 7183	H II 595	GALXY	AQR	22 02.4	-18 56	11.9	13.4	346	17
NGC 7178		GALXY	PSA	22 02.5	-35 49	14.0	13.2	383	23
IC 1420	UGC 11880	GALXY	PEG	22 02.6	+19 45	13.1	13.6	166	17
NGC 7184	H II 1	GALXY	AQR	22 02.7	-20 49	10.9	13.1	346	23
NGC 7169		UVSOB	GRU	22 02.8	-47 42	99.9	99.9	414	23
IC 5152		GALXY	IND	22 02.8	-51 17	10.6	13.5	438	26
NGC 7197	H II 599	GALXY	LAC	22 02.9	+41 03	12.8	12.9	087	09
NGC 7187		GALXY	PSA	22 03.0	-32 48	12.5	13.0	383	23
NGC 7190		GALXY	PEG	22 03.1	+11 12	13.8	12.8	211	17
NGC 7185		GALXY	AQR	22 03.1	-20 28	12.6	13.8	346	23
NGC 7189		GALXY	AQR	22 03.3	+00 34	13.5	12.9	256	17
NGC 7195		GALXY	PEG	22 03.4	+12 39	15.6	99.9	211	17
NGC 7194	UGC 11888	GALXY	PEG	22 03.5	+12 37	13.1	13.1	211	17
NGC 7188		GALXY	AQR	22 03.5	-20 20	13.2	13.3	346	23
NGC 7193		NONEX	PEG	22 03.6	+10 49	99.9	99.9	211	17
NGC 7179		GALXY	IND	22 04.8	-64 03	12.8	13.2	458	26
NGC 7209	H VII 53	OPNCL	LAC	22 05.2	+46 30	07.7	99.9	087	09
NGC 7198		GALXY	AQR	22 05.3	-00 39	13.3	13.6	256	17
NGC 7206	UGC 11904	GALXY	PEG	22 05.6	+16 47	13.3	13.7	211	17
NGC 7207		GALXY	PEG	22 05.7	+16 45	99.9	99.9	211	17
NGC 7196		GALXY	IND	22 06.0	-50 07	11.5	13.1	438	26
NGC 7211		GALXY	AQR	22 06.2	-08 07	99.9	99.9	301	17
NGC 7210		NONEX	PEG	22 06.3	+27 06	99.9	99.9	166	09
UGC 11909		GALXY	LAC	22 06.3	+47 15	12.3	12.9	087	09
NGC 7201		GALXY	PSA	22 06.5	-31 16	12.8	12.4	383	23
NGC 7203		GALXY	PSA	22 06.7	-31 10	12.6	12.8	383	23
NGC 7202		NONEX	PSA	22 06.7	-31 12	99.9	99.9	383	23

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NGC 7192		GALXY	IND	22 06.8	-64 19	11.2	12.7	458	26
NGC 7204		GALXY	PSA	22 06.9	-31 03	13.5	12.7	383	23
NGC 7191		GALXY	IND	22 06.9	-64 38	13.1	12.8	458	26
NGC 7212	UGC 1212	GALXY	PEG	22 07.0	+10 14	13.8	13.3	211	17
Cr 471		OPNCL	CEP	22 07.0	+72 00	99.9	99.9	033	03
NGC 7200		GALXY	IND	22 07.2	-50 00	12.9	13.5	414	26
B173-4	LDN 1164	DRKNB	CEP	22 07.4	+59 10	79.9	79.9	057	03
NGC 7205A		GALXY	IND	22 07.5	-57 27	14.0	13.9	438	26
NGC 7217	H II 207	GALXY	PEG	22 07.9	+31 22	10.1	12.7	122	09
NGC 7208		GALXY	PSA	22 08.4	-29 06	12.8	11.9	383	23
NGC 7205		GALXY	IND	22 08.5	-57 25	10.9	13.1	438	26
NGC 7199		GALXY	IND	22 08.5	-64 42	13.1	12.9	458	26
NGC 7215		GALXY	AQR	22 08.6	+00 30	13.9	12.7	257	17
NGC 7214		GALXY	PSA	22 09.1	-27 49	12.7	13.8	347	23
NGC 7213		GALXY	GRU	22 09.3	-47 10	10.1	12.3	414	23
NGC 7223	H III 862	GALXY	LAC	22 10.2	+41 00	12.2	12.8	087	09
NGC 7218	H II 897	GALXY	AQR	22 10.2	-16 40	12.0	13.0	302	17
IC 1434	Cr 445	OPNCL	LAC	22 10.5	+52 50	09	99.9	057	03
NGC 7226		OPNCL	CEP	22 10.5	+55 25	09.6	99.9	057	03
NGC 7222	UGC 11934	GALXY	AQR	22 11.0	+02 05	13.8	14.0	257	17
NGC 7221		GALXY	PSA	22 11.3	-30 37	12.1	13.3	383	23
NGC 7227	UGC 11942	GALXY	LAC	22 11.5	+38 42	13.5	13.1	122	09
NGC 7220		GALXY	AQR	22 11.5	-22 58	13.5	12.8	347	23
NGC 7224	UGC 11940	GALXY	PEG	22 11.6	+25 50	13.2	13.8	167	09
Ced 199		BRTNB	CEP	22 11.6	+58 45	99.9	99.9	057	03
NGC 7228	UGC 11945	GALXY	LAC	22 11.8	+38 41	13.5	13.9	122	09
NGC 7234	H VIII 63	NONEX	CEP	22 12.1	+56 58	99.9	99.9	057	03
NGC 7231	H II 606	GALXY	LAC	22 12.4	+45 19	13.0	13.1	087	09
NGC 7235		OPNCL	CEP	22 12.6	+57 17	07.7	99.9	057	03
NGC 7216		UVSOB	IND	22 12.6	-68 40	99.9	99.9	459	26
vdB 150		OPNCL	CEP	22 12.9	+73 20	99.9	99.9	014	03
NGC 7219		GALXY	TUC	22 13.1	-64 51	12.5	13.0	459	26
NGC 7225		GALXY	PSA	22 13.2	-26 09	12.2	12.8	347	23
vdB 152		OPNCL	CEP	22 13.6	+70 15	99.9	99.9	034	03
vdB 152		BRTNB	CEP	22 13.6	+70 18	99.9	99.9	034	03
NGC 7232A		GALXY	GRU	22 13.6	-45 47	13.0	12.7	414	23
NGC 7229		GALXY	PSA	22 14.0	-29 25	12.5	13.5	383	23
NGC 7230	H III 931	GALXY	AQR	22 14.3	-17 04	14.0	99.9	347	17
IC 5181	ESO 289-G001	GALXY	GRU	22 14.3	-45 54	11.5	12.2	414	23
NGC 7236	3C442	GALXY	PEG	22 14.7	+13 51	13.6	12.6	212	17
NGC 7237	3C442	GALXY	PEG	22 14.8	+13 50	15.0	99.9	212	17
NGC 7239		GALXY	AQR	22 14.9	-05 05	99.9	99.9	257	17
NGC 7238		NONEX	PEG	22 15.3	+22 30	99.9	99.9	167	09
NGC 7243	H VIII 75	OPNCL	LAC	22 15.3	+49 53	06.4	99.9	087	09
NGC 7245	H VI 29	OPNCL	LAC	22 15.3	+54 20	09.2	99.9	057	03
NGC 7240	IC 1441	GALXY	LAC	22 15.4	+37 17	14.2	13.4	122	09
NGC 7242	UGC 11969	GALXY	LAC	22 15.7	+37 18	14.6	99.9	122	09
King 9		OPNCL	LAC	22 15.7	+54 24	99.9	99.9	057	03
NGC 7232		GALXY	GRU	22 15.7	-45 51	12.0	12.7	414	23

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NGC 7241	UGC 11968	GALXY	PEG	22 15.8	+19 14	12.6	13.8	167	17
NGC 7233		GALXY	GRU	22 15.8	-45 51	12.5	13.2	414	23
NGC 7232B		GALXY	GRU	22 15.9	-45 41	13.6	14.5	414	23
PK103+ 0.1	M2-51	PLNNB	CEP	22 16.1	+57 29	99.9	99.9	057	03
IC 5186	ESO 405-G007	GALXY	GRU	22 16.3	-36 50	11.9	12.6	383	23
NGC 7244		GALXY	PEG	22 16.4	+16 28	13.8	12.0	212	17
IC 1442		OPNCL	LAC	22 16.5	+54 03	09.1	99.9	057	03
NGC 7248	H III 863	GALXY	LAC	22 16.9	+40 30	12.4	12.7	087	09
NGC 7246	H III 932	GALXY	AQR	22 17.5	-15 32	15.0	99.9	302	17
NGC 7247		GALXY	AQR	22 17.8	-23 43	12.6	12.7	347	23
NGC 7250	H III 864	GALXY	LAC	22 18.3	+40 35	12.6	12.8	087	09
Sh2-132		BRTNB	CEP	22 18.7	+56 08	99.9	99.9	057	03
NGC 7253B		GALXY	PEG	22 19.3	+29 24	14.5	99.9	122	09
NGC 7253A		GALXY	PEG	22 19.4	+29 24	14.4	99.9	122	09
PK104+ 0.1		PLNNB	CEP	22 20.3	+58 14	17.0	99.9	057	03
NGC 7261		OPNCL	CEP	22 20.4	+58 05	08.4	99.9	057	03
NGC 7251	H III 933	GALXY	AQR	22 20.4	-15 46	13.0	99.9	302	17
PK103+ 0.2	M2-52	PLNNB	CEP	22 20.5	+57 36	15.0	99.9	057	03
NGC 7249		GALXY	GRU	22 20.5	-55 08	13.4	13.1	438	26
NGC 7252	H III 458	GALXY	AQR	22 20.7	-24 41	12.1	13.2	347	23
IC 5201	ESO 289-GO18	GALXY	GRU	22 21.3	-46 04	10.6	14.3	414	23
NGC 7263		GALXY	LAC	22 21.8	+36 21	14.5	13.3	123	09
NGC 7255	MCG -03-57-006	GALXY	AQR	22 23.1	-15 32	99.9	99.9	302	17
NGC 7254		NONEX	AQR	22 22.0	-21 44	99.9	99.9	347	23
NGC 7264	UGC 12001	GALXY	LAC	22 22.2	+36 24	13.8	13.3	123	09
NGC 7257		NONEX	AQR	22 22.2	-04 01	99.9	99.9	257	17
NGC 7265	UGC 12004	GALXY	LAC	22 22.4	+36 14	12.2	13.7	123	09
Berk 94		OPNCL	CEP	22 22.7	+55 51	08.7	99.9	057	03
NGC 7260		GALXY	AQR	22 22.7	-04 07	14.0	99.9	257	17
NGC 7256		GALXY	AQR	22 22.7	-21 44	13.1	12.8	347	23
NGC 7258		GALXY	PSA	22 23.0	-28 22	13.1	12.9	384	23
NGC 7259		GALXY	PSA	22 23.1	-28 59	13.1	13.0	384	23
NGC 7262		GALXY	PSA	22 23.4	-32 20	13.8	12.9	384	23
NGC 7270	UGC 12019	GALXY	PEG	22 23.6	+32 24	13.9	13.1	123	09
NGC 7271		GALXY	PEG	22 23.8	+32 22	15.7	99.9	123	09
IC 5217	PK100-5.1	PLNNB	LAC	22 23.9	+50 57	12.6	99.9	057	03
NGC 7275	UGC 12025	GALXY	PEG	22 24.1	+32 27	14.3	12.3	123	09
NGC 7273		GALXY	LAC	22 24.1	+36 13	14.8	99.9	123	09
NGC 7266		GALXY	AQR	22 24.1	-04 04	15.0	99.9	257	17
NGC 7276		GALXY	LAC	22 24.2	+36 06	15.0	99.9	123	09
NGC 7274	UGC 12026	GALXY	LAC	22 24.2	+36 08	12.8	13.7	123	09
NGC 7267		GALXY	PSA	22 24.3	-33 41	12.2	12.9	384	23
NGC 7272	UGC 12028	GALXY	PEG	22 24.5	+16 36	15.0	99.9	212	17
NGC 7281		OPNCL	CEP	22 24.7	+57 50	99.9	99.9	057	03
NGC 7268		GALXY	PSA	22 25.7	-31 12	16.0	99.9	384	23
NGC 7269		GALXY	AQR	22 25.8	-13 09	14.0	99.9	302	17
NGC 7282		GALXY	LAC	22 26.0	+40 19	13.7	14.6	087	09
PK102- 2.1	Abell 79	PLNNB	LAC	22 26.3	+54 49	15.8	99.9	057	03
NGC 7280	H II 248	GALXY	PEG	22 26.4	+16 10	12.1	13.3	212	17

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NGC 7277		GALXY	PSA	22 26.4	-31 10	13.3	13.1	384	23
NGC 7279		GALXY	PSA	22 27.1	-35 08	13.8	13.5	384	23
NGC 7286		GALXY	PEG	22 28.0	+29 07	12.5	12.5	123	09
NGC 7296	H VII 41	OPNCL	LAC	22 28.2	+52 17	09.7	99.9	057	03
NGC 7288		GALXY	AQR	22 28.3	-02 51	14.5	99.9	257	17
NGC 7290		GALXY	PEG	22 28.4	+17 09	13.3	13.6	167	17
NGC 7292		GALXY	PEG	22 28.4	+30 18	12.5	13.8	123	09
NGC 7295		NONEX	LAC	22 28.4	+52 50	99.9	99.9	057	03
NGC 7278		UVSOB	TUC	22 28.4	-60 10	99.9	99.9	438	26
NGC 7291	UGC 12047	GALXY	PEG	22 28.5	+16 47	13.1	14.2	212	17
NGC 7283		GALXY	PEG	22 28.6	+17 30	14.3	12.9	167	17
NGC 7284	H II 469	GALXY	AQR	22 28.6	-24 51	11.9	13.1	347	23
Berk 95		OPNCL	CEP	22 28.7	+59 07	99.9	99.9	057	03
NGC 7285		GALXY	AQR	22 28.7	-24 51	11.9	13.1	347	23
NGC 7287		GALXY	AQR	22 28.8	-22 12	15.0	99.9	347	23
NGC 7289		GALXY	PSA	22 29.2	-35 27	13.2	13.5	384	23
NGC 7293	PK36-57.1	PLNNB	AQR	22 29.6	-20 48	06.3	99.9	347	23
Berk 96		OPNCL	LAC	22 29.8	+55 25	99.9	99.9	057	03
NGC 7301		GALXY	AQR	22 30.4	-17 34	13.2	12.4	347	17
NGC 7298		GALXY	AQR	22 30.8	-14 11	13.7	14.0	302	17
NGC 7297		GALXY	GRU	22 30.9	-37 49	13.7	12.8	384	23
NGC 7300		GALXY	AQR	22 31.0	-14 00	12.9	13.5	302	17
UGC 12064		GALXY	LAC	22 31.3	+39 22	13.6	13.6	087	09
NGC 7299		GALXY	GRU	22 31.4	-37 49	14.0	13.0	384	23
NGC 7304		NONEX	PEG	22 31.5	+30 58	99.9	99.9	123	09
NGC 7303	UGC 12065	GALXY	PEG	22 31.6	+30 58	12.6	13.1	123	09
PK100- 8.1	Merrill 2-2	PLNNB	LAC	22 31.7	+47 48	11.9	99.9	087	09
NGC 7305		GALXY	PEG	22 32.2	+11 43	15.1	99.9	212	17
NGC 7294		GALXY	PSA	22 32.2	-25 23	12.5	13.3	347	23
PK104- 1.1	M2-53	PLNNB	LAC	22 32.3	+56 10	14.9	99.9	058	03
NGC 7302	IC 5228	GALXY	AQR	22 32.4	-14 07	12.3	12.9	302	17
UGC 12074		GALXY	PEG	22 33.1	+08 05	13.4	11.7	212	17
NGC 7306		GALXY	PSA	22 33.5	-27 14	12.7	12.7	347	23
NGC 7307		GALXY	GRU	22 33.8	-40 57	12.6	13.7	414	23
NGC 7311	H II 428	GALXY	PEG	22 34.2	+05 35	12.5	12.6	212	17
NGC 7309	H II 476	GALXY	AQR	22 34.3	-10 21	12.5	13.7	302	17
NGC 7308	IC 1448	GALXY	AQR	22 34.5	-12 56	14.0	99.9	302	17
NGC 7312		GALXY	PEG	22 34.7	+05 49	13.4	13.4	212	17
PK102- 5.1	Abell 80	PLNNB	LAC	22 34.7	+52 27	15.2	99.9	058	03
NGC 7310		GALXY	AQR	22 34.7	-22 29	13.9	13.3	347	23
NGC 7315		GALXY	PEG	22 35.4	+34 50	12.5	13.4	123	09
NGC 7313		GALXY	PSA	22 35.5	-26 06	14.1	12.9	347	23
NGC 7314		GALXY	PSA	22 35.8	-26 03	11.0	13.3	347	23
NGC 7316	H III 180	GALXY	PEG	22 35.9	+20 19	13.0	12.8	167	09
NGC 7317		GALXY	PEG	22 35.9	+33 57	13.6	13.8	123	09
NGC 7318B	UGC 12100	GALXY	PEG	22 35.9	+33 58	13.1	13.9	123	09
NGC 7318A	UGC 12099	GALXY	PEG	22 36.0	+33 58	13.4	13.0	123	09
NGC 7320	UGC 12101	GALXY	PEG	22 36.1	+33 57	12.6	13.5	123	09
NGC 7319	UGC 12102	GALXY	PEG	22 36.1	+33 59	13.1	13.8	123	09

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NGC 7320C		GALXY	PEG	22 36.2	+34 00	15.5	14.5	123	09
NGC 7321	H III 237	GALXY	PEG	22 36.4	+21 38	12.9	13.4	167	09
NGC 7320A		GALXY	PEG	22 36.5	+33 47	99.9	99.9	123	09
NGC 7323	UGC 12108	GALXY	PEG	22 36.8	+19 09	12.9	13.3	167	17
NGC 7325		GALXY	PEG	22 36.8	+34 22	99.9	99.9	123	09
NGC 7326		GALXY	PEG	22 36.8	+34 25	99.9	99.9	123	09
NGC 7327		1STAR	PEG	22 36.8	+34 29	99.9	99.9	123	09
NGC 7330	UGC 12111	GALXY	LAC	22 36.9	+38 33	12.2	13.4	123	09
NGC 7324		GALXY	PEG	22 37.0	+19 09	15.1	99.9	167	17
NGC 7331	H I 53	GALXY	PEG	22 37.1	+34 25	09.5	13.3	123	09
NGC 7333		NONEX	PEG	22 37.2	+34 26	99.9	99.9	123	09
NGC 7336		GALXY	PEG	22 37.2	+34 29	15.0	99.9	123	09
NGC 7335	H III 166	GALXY	PEG	22 37.3	+34 27	13.4	12.9	123	09
NGC 7332	H II 233	GALXY	PEG	22 37.4	+23 48	11.1	12.6	167	09
NGC 7320B		GALXY	PEG	22 37.4	+33 55	99.9	99.9	123	09
NGC 7337	UGC 12120	GALXY	PEG	22 37.4	+34 22	14.4	14.3	123	09
NGC 7328		GALXY	PEG	22 37.5	+10 32	13.1	13.4	212	17
NGC 7338		NONEX	PEG	22 37.5	+34 25	99.9	99.9	123	09
NGC 7340		GALXY	PEG	22 37.6	+34 26	13.7	12.9	123	09
NGC 7322		GALXY	GRU	22 37.7	-37 13	13.5	12.6	384	23
NGC 7339	H II 234	GALXY	PEG	22 37.8	+23 47	12.2	13.0	167	09
NGC 7342	UGC 12126	GALXY	PEG	22 38.1	+35 31	13.9	14.4	123	09
NGC 7343	UGC 12129	GALXY	PEG	22 38.6	+34 04	13.5	13.3	123	09
NGC 7345	UGC 12130	GALXY	PEG	22 38.6	+35 33	14.3	12.6	123	09
NGC 7334		NONEX	GRU	22 38.8	-37 14	99.9	99.9	384	23
NGC 7341		GALXY	AQR	22 39.2	-22 41	12.4	13.1	347	23
NGC 7346		GALXY	PEG	22 39.5	+11 05	15.6	99.9	212	17
NGC 7353		GALXY	PEG	22 39.5	+11 47	15.0	99.9	212	17
Berk 97		OPNCL	CEP	22 39.5	+59 01	99.9	99.9	058	03
NGC 7352		NONEX	CEP	22 39.7	+57 24	99.9	99.9	058	03
NGC 7344		GALXY	AQR	22 39.7	-04 10	14.0	99.9	257	17
NGC 7347	UGC 12136	GALXY	PEG	22 39.9	+11 02	13.6	12.7	212	17
Czernik 42		OPNCL	CEP	22 40.4	+59 53	99.9	99.9	058	03
NGC 7354	PK107+2.1	PLNNB	CEP	22 40.4	+61 17	12.9	99.9	034	03
NGC 7329		GALXY	TUC	22 40.5	-66 28	11.3	13.7	459	26
NGC 7348	UGC 12142	GALXY	PEG	22 40.6	+11 54	13.8	13.4	213	17
NGC 7350		1STAR	PEG	22 41.0	+11 58	99.9	99.9	213	17
NGC 7351		GALXY	AQR	22 41.3	-04 27	13.0	99.9	258	17
IC 5240	ESO 290-G002	GALXY	GRU	22 41.9	-44 48	11.9	13.6	414	23
NGC 7356		GALXY	PEG	22 42.1	+30 43	14.1	13.4	123	09
NGC 7361		GALXY	PSA	22 42.3	-30 03	12.3	13.5	384	23
NGC 7357		GALXY	PEG	22 42.4	+30 11	14.0	13.8	123	09
IC 1454	PK117+18.1	PLNNB	CEP	22 42.6	+80 27	14.8	99.9	014	03
NGC 7363		GALXY	PEG	22 43.3	+34 00	13.8	13.8	123	09
NGC 7355		NONEX	GRU	22 43.4	-37 52	99.9	99.9	384	23
NGC 7360		GALXY	PEG	22 43.6	+04 09	13.6	12.0	258	17
Berk 98		OPNCL	LAC	22 43.8	+52 25	99.9	99.9	058	03
NGC 7362	UGC 12171	GALXY	PEG	22 43.9	+08 43	12.7	12.5	213	17
NGC 7366		GALXY	PEG	22 44.3	+10 46	15.5	99.9	213	17

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NGC 7369		GALXY	PEG	22 44.3	+34 21	13.6	13.2	123	09
NGC 7364	H II 442	GALXY	AQR	22 44.5	-00 07	12.6	13.1	258	17
NGC 7367		GALXY	PEG	22 44.7	+03 41	13.8	13.1	258	17
NGC 7359		GALXY	AQR	22 44.8	-23 41	12.5	12.7	348	23
NGC 7365		GALXY	AQR	22 45.0	-19 59	12.9	13.2	348	17
UGC 12178		GALXY	PEG	22 45.1	+06 26	13.1	14.7	213	17
NGC 7349		GALXY	AQR	22 45.4	-22 45	14.2	13.3	348	23
NGC 7370		GALXY	PEG	22 45.5	+11 03	99.9	99.9	213	17
NGC 7368		GALXY	GRU	22 45.6	-39 20	12.4	12.7	414	23
NGC 7372		GALXY	PEG	22 45.7	+11 08	13.4	13.0	213	17
NGC 7358		GALXY	TUC	22 45.7	-65 07	12.8	12.7	459	26
NGC 7374A		GALXY	PEG	22 46.0	+10 51	14.9	99.9	213	17
NGC 7371	H II 477	GALXY	AQR	22 46.1	-11 00	11.5	12.9	303	17
NGC 7373		GALXY	PEG	22 46.5	+03 13	13.6	12.8	258	17
NGC 7374B		GALXY	PEG	22 46.6	+11 11	15.5	99.9	213	17
NGC 7375		GALXY	PEG	22 46.6	+21 05	14.9	99.9	168	09
NGC 7380	H VIII 77	OPNCL	CEP	22 47.0	+58 06	07.2	99.9	058	03
NGC 7376		GALXY	PEG	22 47.4	+03 40	14.4	12.9	258	17
NGC 7379		GALXY	LAC	22 47.4	+40 14	13.4	13.2	087	09
NGC 7377	H II 598	GALXY	AQR	22 47.8	-22 19	11.1	13.1	348	23
NGC 7378		GALXY	AQR	22 47.9	-11 49	13.0	99.9	303	17
NGC 7383		GALXY	PEG	22 49.6	+11 36	13.7	12.9	213	17
NGC 7384		GALXY	PEG	22 49.7	+11 33	99.9	99.9	213	17
NGC 7385	H III 216	GALXY	PEG	22 49.9	+11 36	12.0	12.8	213	17
NGC 7386	H III 217	GALXY	PEG	22 49.9	+11 42	12.3	12.8	213	17
UGC 12221		GALXY	CEP	22 49.9	+82 54	14.0	14.4	014	03
NGC 7381		GALXY	AQR	22 50.0	-19 43	14.2	12.8	348	17
NGC 7388		GALXY	PEG	22 50.2	+11 44	99.9	99.9	213	17
NGC 7390		GALXY	PEG	22 50.3	+11 32	14.1	13.8	213	17
NGC 7389		GALXY	PEG	22 50.3	+11 35	13.8	13.6	213	17
NGC 7387		GALXY	PEG	22 50.3	+11 38	14.0	12.5	213	17
NGC 7382		GALXY	GRU	22 50.3	-36 51	13.6	12.5	384	23
NGC 7394		NONEX	LAC	22 50.6	+52 10	99.9	99.9	058	03
NGC 7391	H II 443	GALXY	AQR	22 50.7	-01 31	12.0	13.0	258	17
NGC 7395	UGC 12216	GALXY	LAC	22 51.2	+37 05	13.8	14.0	123	09
NGC 7393	H II 453	GALXY	AQR	22 51.7	-05 33	14.0	99.9	303	17
NGC 7392	H II 702	GALXY	AQR	22 51.8	-20 36	11.9	12.8	348	23
NGC 7396	UGC 12220	GALXY	PSC	22 52.5	+01 06	12.9	13.5	258	17
NGC 7399		GALXY	AQR	22 52.7	-09 16	14.0	99.9	303	17
NGC 7405		GALXY	PEG	22 52.8	+12 35	99.9	99.9	213	17
NGC 7397		GALXY	PSC	22 52.9	+01 08	14.1	12.8	258	17
NGC 7398	UGC 12225	GALXY	PSC	22 52.9	+01 13	13.6	13.5	258	17
King 18		OPNCL	CEP	22 52.9	+58 17	99.9	99.9	058	03
NGC 7402		GALXY	PSC	22 53.0	+01 10	14.4	13.2	258	17
NGC 7401		GALXY	PSC	22 53.1	+01 10	99.9	99.9	258	17
NGC 7403		1STAR	PSC	22 53.1	+01 29	99.9	99.9	258	17
NGC 7407	UGC 12230	GALXY	PEG	22 53.3	+32 08	13.1	13.7	123	09
NGC 7409		GALXY	PEG	22 53.7	+20 12	15.6	99.9	168	09
NGC 7406		GALXY	AQR	22 54.0	-06 36	15.0	99.9	303	17

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NGC 7419	H VII 43	OPNCL	CEP	22 54.3	+60 50	13.0	99.9	058	03
NGC 7404		GALXY	GRU	22 54.3	-39 19	12.8	12.9	415	23
NGC 7400		UVSOB	GRU	22 54.3	-45 21	99.9	99.9	415	23
NGC 7411	UGC 12241	GALXY	PEG	22 54.5	+20 14	13.4	13.2	168	09
NGC 7415	UGC 12244	GALXY	PEG	22 54.8	+20 15	15.0	99.9	168	09
King 10		OPNCL	CEP	22 54.9	+59 10	99.9	99.9	058	03
NGC 7410		GALXY	GRU	22 55.0	-39 40	10.3	12.5	415	23
NGC 7413	3C455	GALXY	PEG	22 55.1	+13 13	14.1	99.9	213	17
NGC 7414		GALXY	PEG	22 55.3	+13 15	99.9	99.9	213	17
NGC 7423	H III 745	OPNCL	CEP	22 55.3	+57 08	99.9	99.9	058	03
NGC 7420		GALXY	PEG	22 55.6	+29 48	13.9	12.9	123	09
NGC 7416		GALXY	AQR	22 55.7	-05 30	12.4	13.3	258	17
NGC 7412		GALXY	GRU	22 55.8	-42 39	11.4	13.8	415	23
NGC 7429		OPNCL	CEP	22 55.9	+59 59	99.9	99.9	058	03
NGC 7408		GALXY	TUC	22 55.9	-63 42	12.6	13.1	459	26
NGC 7426	H III 576	GALXY	LAC	22 56.1	+36 21	12.3	13.3	123	09
Berk 57		OPNCL	CEP	22 56.1	+57 08	99.9	99.9	058	03
NGC 7422		GALXY	PSC	22 56.2	+03 56	13.4	12.9	258	17
PK107- 2.1	M1-80	PLNNB	CEP	22 56.3	+57 09	14.2	99.9	058	03
NGC 7418		GALXY	GRU	22 56.6	-37 02	10.9	13.2	384	23
NGC 7418A		GALXY	GRU	22 56.7	-36 45	13.2	15.1	384	23
Sh2-155		BRTNB	CEP	22 56.8	+62 37	99.9	99.9	034	03
NGC 7412A		GALXY	GRU	22 56.8	-42 48	13.9	14.3	415	23
NGC 7421		GALXY	GRU	22 56.9	-37 21	11.9	13.2	384	23
NGC 7427		GALXY	PEG	22 57.2	+08 30	15.4	99.9	213	17
IC 1459		GALXY	GRU	22 57.2	-36 25	10.0	13.2	384	23
IC 5267	ESO 290-G026	GALXY	GRU	22 57.2	-43 24	10.5	13.7	415	24
NGC 7428	UGC 12262	GALXY	PSC	22 57.3	-01 02	12.5	13.6	258	17
NGC 7425		GALXY	AQR	22 57.3	-10 57	15.0	99.9	303	17
NGC 7424		GALXY	GRU	22 57.3	-41 04	10.5	15.1	415	23
NGC 7430		GALXY	PEG	22 57.5	+08 48	15.1	99.9	213	17
NGC 7438		NONEX	CAS	22 57.6	+54 21	99.9	99.9	058	03
IC 5269		GALXY	PSA	22 57.7	-36 02	12.2	12.5	384	23
NGC 7431		GALXY	PEG	22 57.8	+26 10	15.6	99.9	168	09
NGC 7417		GALXY	TUC	22 57.8	-65 02	12.3	13.1	459	26
NGC 7435	UGC 12267	GALXY	PEG	22 57.9	+26 08	14.2	13.8	168	09
NGC 7432	H III 465	GALXY	PEG	22 58.0	+13 08	13.4	14.1	213	17
NGC 7433		GALXY	PEG	22 58.0	+26 09	14.0	99.9	168	09
NGC 7436A		GALXY	PEG	22 58.0	+26 09	14.0	99.9	168	09
NGC 7436B		GALXY	PEG	22 58.0	+26 09	15.0	99.9	168	09
IC 5271		GALXY	PSA	22 58.0	-33 45	11.6	12.3	384	23
NGC 7437		GALXY	PEG	22 58.2	+14 18	13.3	14.4	213	17
NGC 7434		GALXY	PSC	22 58.4	-01 11	15.7	99.9	258	17
NGC 7440	UGC 12276	GALXY	AND	22 58.5	+35 48	13.5	13.9	123	09
NGC 7439		GALXY	PEG	22 58.7	+29 10	14.0	13.2	123	09
UGC 12281		GALXY	PEG	22 59.2	+13 35	14.3	14.0	213	17
IC 5273	ESO 346-G022	GALXY	GRU	22 59.2	-37 46	11.4	13.0	384	23
NGC 7442		GALXY	PEG	22 59.4	+15 33	13.3	13.4	213	17
NGC 7445		GALXY	AND	22 59.5	+39 06	15.6	99.9	088	09

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NGC 7441		GALXY	AQR	22 59.5	-07 04	15.5	99.9	303	17
NGC 7446		GALXY	AND	22 59.6	+39 04	15.7	99.9	088	09
NGC 7449		GALXY	AND	22 59.7	+39 08	14.0	13.7	088	09
NGC 7448	H II 251	GALXY	PEG	23 00.0	+15 59	11.7	12.9	213	17
NGC 7443	H II 450	GALXY	AQR	23 00.1	-12 48	12.6	12.2	303	17
NGC 7444	H II 451	GALXY	AQR	23 00.1	-12 50	12.8	12.8	303	17
NGC 7451		GALXY	PEG	23 00.4	+08 28	14.0	13.1	213	17
NGC 7447		NONEX	AQR	23 00.4	-10 32	99.9	99.9	303	17
NGC 7455		GALXY	PSC	23 00.6	+07 17	14.2	99.9	213	17
NGC 7450		GALXY	AQR	23 00.9	-12 56	13.0	99.9	303	17
NGC 7457	H II 212	GALXY	PEG	23 01.0	+30 09	11.2	13.6	124	09
NGC 7452		GALXY	PSC	23 01.1	+06 45	15.0	99.9	213	17
NGC 7454	H II 249	GALXY	PEG	23 01.1	+16 23	11.8	13.2	213	17
NGC 7453		3STAR	AQR	23 01.4	-06 21	99.9	99.9	303	17
NGC 7458	H II 590	GALXY	PSC	23 01.5	+01 45	12.5	13.1	258	17
NGC 7459		NONEX	PSC	23 01.7	+06 44	99.9	99.9	213	17
NGC 7461	UGC 12314	GALXY	PEG	23 01.7	+15 35	13.3	12.7	213	17
NGC 7460	UGC 12312	GALXY	PSC	23 01.8	+02 16	13.0	13.3	258	17
NGC 7464	UGC 12315	GALXY	PEG	23 01.9	+15 58	13.3	12.7	213	17
NGC 7463	H III 210	GALXY	PEG	23 01.9	+15 59	13.2	13.8	213	17
NGC 7465	H III 211	GALXY	PEG	23 02.0	+15 58	12.6	12.4	213	17
NGC 7466	IC 5281	GALXY	PEG	23 02.0	+27 03	13.6	13.1	168	09
NGC 7456		GALXY	GRU	23 02.1	-39 35	11.8	14.1	415	23
NGC 7467		GALXY	PEG	23 02.3	+15 33	15.6	99.9	213	17
NGC 7462		GALXY	GRU	23 02.8	-40 50	11.7	12.8	415	23
NGC 7468	H III 202	GALXY	PEG	23 02.9	+16 36	13.7	13.0	213	17
NGC 7472		NONEX	PSC	23 03.8	+03 03	99.9	99.9	258	17
NGC 7473	UGC 12335	GALXY	PEG	23 03.9	+30 10	13.7	12.9	124	09
NGC 7471		NONEX	AQR	23 03.9	-22 55	99.9	99.9	348	23
NGC 7474		GALXY	PEG	23 04.0	+20 02	15.2	99.9	168	09
NGC 7475	UGC 12337	GALXY	PEG	23 04.1	+20 03	15.1	99.9	168	09
NGC 7469	H III 230	GALXY	PEG	23 04.3	+08 52	12.3	12.7	213	17
NGC 7470		UVSOB	GRU	23 04.3	-50 07	99.9	99.9	439	26
NGC 7477		NONEX	PSC	23 04.8	+03 04	99.9	99.9	258	17
NGC 7478		GALXY	PSC	23 04.9	+02 35	99.9	99.9	258	17
NGC 7479	H I 55	GALXY	PEG	23 04.9	+12 19	10.9	13.4	213	17
NGC 7480B		GALXY	PSC	23 05.2	+02 37	15.5	99.9	258	17
IC 1470		BRTNB	CEP	23 05.2	+60 15	99.9	99.9	058	03
NGC 7476		GALXY	GRU	23 05.2	-43 07	12.6	12.8	415	23
NGC 7480A	UGC 12349	GALXY	PSC	23 05.3	+02 32	15.1	99.9	258	17
UGC 12350		GALXY	PEG	23 05.3	+16 51	14.0	14.6	213	17
NGC 7482		GALXY	PSC	23 05.7	+03 03	13.6	12.1	258	17
NGC 7481		NONEX	AQR	23 05.8	-19 57	99.9	99.9	348	17
NGC 7483		GALXY	PSC	23 05.9	+03 32	13.0	13.5	258	17
NGC 7485	UGC 12360	GALXY	PEG	23 06.1	+34 06	13.1	12.7	124	09
NGC 7486		GALXY	PEG	23 06.2	+34 04	99.9	99.9	124	09
Pal 13		GLOCL	PEG	23 06.7	+12 46	13.8	99.9	213	17
NGC 7487	UGC 12368	GALXY	PEG	23 06.9	+28 11	14.8	99.9	124	09
NGC 7484		GALXY	SCL	23 07.1	-36 16	11.8	12.9	385	23

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NGC 7489		GALXY	PEG	23 07.4	+23 00	13.4	14.1	168	09
NGC 7490		GALXY	PEG	23 07.4	+32 22	12.3	14.3	124	09
NGC 7488		GALXY	PSC	23 07.9	+00 56	13.8	12.3	258	17
NGC 7491		GALXY	AQR	23 08.1	-05 58	14.5	99.9	303	17
King 19		OPNCL	CEP	23 08.3	+60 31	09.2	99.9	058	03
NGC 7492	H III 558	GLOCL	AQR	23 08.4	-15 37	11.5	99.9	303	17
NGC 7493		1STAR	PSC	23 08.6	+00 54	99.9	99.9	258	17
NGC 7494		GALXY	AQR	23 08.9	-24 22	15.0	99.9	348	23
NGC 7495	UGC 12391	GALXY	PEG	23 09.1	+12 04	13.1	14.1	213	17
NGC 7497		GALXY	PEG	23 09.1	+18 11	12.2	14.0	168	17
PK108- 5.1		PLNNB	CAS	23 09.3	+54 45	99.9	99.9	058	03
NGC 2573A		GALXY	OCT	23 09.4	-89 07	14.0	14.4	472	26
NGC 7498		GALXY	AQR	23 09.8	-24 25	15.0	99.9	348	23
NGC 7496		GALXY	GRU	23 09.8	-43 26	11.1	13.5	415	23
NGC 7499	UGC 12397	GALXY	PSC	23 10.4	+07 35	12.8	12.4	213	17
NGC 7501		GALXY	PSC	23 10.5	+07 35	13.4	13.4	213	17
NGC 7500		GALXY	PEG	23 10.6	+11 01	13.3	14.1	213	17
NGC 7504		1STAR	PEG	23 10.6	+14 24	99.9	99.9	213	17
NGC 7503		GALXY	PSC	23 10.7	+07 34	13.2	13.4	213	17
NGC 7502		2STAR	AQR	23 10.8	-21 46	99.9	99.9	348	23
NGC 7505		GALXY	PEG	23 11.2	+13 37	15.6	99.9	213	17
NGC 7510	H VII 44	OPNCL	CEP	23 11.5	+60 34	07.9	99.9	058	03
NGC 7506	H III 184	GALXY	PSC	23 11.8	-02 10	12.9	13.5	258	17
NGC 7508		GALXY	PEG	23 11.9	+12 58	15.7	99.9	213	17
NGC 7507	H II 2	GALXY	SCL	23 12.1	-28 32	10.4	12.5	385	23
NGC 7512	UGC 12414	GALXY	PEG	23 12.3	+31 08	12.6	13.7	124	09
NGC 7509		GALXY	PEG	23 12.4	+14 37	15.0	99.9	214	17
NGC 7514		GALXY	PEG	23 12.4	+34 53	12.5	12.6	124	09
NGC 7496A		GALXY	GRU	23 12.4	-42 47	14.1	14.6	415	23
NGC 7511		GALXY	PEG	23 12.5	+13 43	13.8	13.1	214	17
NGC 7519		GALXY	PEG	23 12.7	+10 47	15.2	99.9	214	17
NGC 7516	UGC 12420	GALXY	PEG	23 12.8	+20 14	13.3	13.2	169	09
NGC 7515	H III 220	GALXY	PEG	23 12.9	+12 41	12.4	13.4	214	17
NGC 7518	UGC 12422	GALXY	PSC	23 13.1	+06 19	13.4	13.7	214	17
UGC 12423		GALXY	PSC	23 13.1	+06 24	13.6	13.7	214	17
NGC 7513		GALXY	SCL	23 13.2	-28 22	11.4	13.3	385	23
NGC 7517		GALXY	PSC	23 13.3	-02 07	14.4	12.3	259	17
NGC 7527	UGC 12428	GALXY	PEG	23 13.6	+24 54	13.3	13.5	169	09
NGC 7523		GALXY	PEG	23 13.7	+14 00	15.7	99.9	214	17
NGC 7525		GALXY	PEG	23 13.7	+14 01	15.2	99.9	214	17
NGC 7521		GALXY	PSC	23 13.7	-01 44	13.9	12.3	259	17
NGC 7520		NONEX	AQR	23 13.7	-23 48	99.9	99.9	349	23
NGC 7524		GALXY	PSC	23 13.8	-01 45	99.9	99.9	259	17
NGC 7522		NONEX	AQR	23 13.8	-22 54	99.9	99.9	349	23
NGC 7526	H III 470	ASTER	AQR	23 13.9	-09 12	99.9	99.9	304	17
NGC 7529		GALXY	PEG	23 14.1	+08 58	14.1	13.5	214	17
NGC 2573B		GALXY	OCT	23 14.1	-89 08	14.8	14.6	472	26
NGC 7538	H II 706	BRTNB	CEP	23 14.2	+61 29	99.9	99.9	034	03
NGC 7528		GALXY	PEG	23 14.3	+10 13	99.9	99.9	214	17

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NGC 7536	UGC 12437	GALXY	PEG	23 14.3	+13 26	13.4	13.6	214	17
NGC 7535		GALXY	PEG	23 14.3	+13 35	13.7	14.4	214	17
NGC 7530		GALXY	PSC	23 14.3	-02 45	15.0	99.9	259	17
NGC 7539	UGC 12443	GALXY	PEG	23 14.4	+23 40	12.5	13.0	169	09
NGC 7533		GALXY	PSC	23 14.4	-02 01	15.5	99.9	259	17
NGC 7532		GALXY	PSC	23 14.4	-02 42	14.5	99.9	259	17
NGC 7540		GALXY	PEG	23 14.5	+15 56	15.7	99.9	214	17
NGC 7534		GALXY	PSC	23 14.5	-02 39	14.5	99.9	259	17
NGC 7537	H II 429	GALXY	PSC	23 14.6	+04 30	13.2	13.3	259	17
NGC 7551		GALXY	PEG	23 14.6	+15 55	99.9	99.9	214	17
NGC 7543	UGC 12450	GALXY	PEG	23 14.6	+28 19	13.0	12.9	124	09
NGC 7541	H II 430	GALXY	PSC	23 14.7	+04 32	11.7	13.1	259	17
NGC 7542		GALXY	PEG	23 14.8	+10 39	15.7	99.9	214	17
NGC 7531		GALXY	GRU	23 14.8	-43 36	11.3	13.4	415	23
NGC 7547	UGC 12453	GALXY	PEG	23 15.0	+18 58	13.7	12.8	169	17
NGC 7544		GALXY	PSC	23 15.0	-02 12	99.9	99.9	259	17
NGC 7548		GALXY	PEG	23 15.1	+25 16	13.3	13.1	169	09
NGC 7546		GALXY	PSC	23 15.2	-02 18	14.5	99.9	259	17
NGC 7550	H III 181	GALXY	PEG	23 15.3	+18 57	12.2	12.6	169	17
NGC 7553		GALXY	PEG	23 15.3	+19 01	99.9	99.9	169	17
NGC 7549		GALXY	PEG	23 15.3	+19 02	13.0	13.7	169	17
Mrk 50		OPNCL	CEP	23 15.3	+60 28	08.5	99.9	058	03
NGC 7545		GALXY	GRU	23 15.5	-38 32	13.0	12.6	385	23
NGC 7564		GALXY	PSC	23 15.6	+07 17	14.5	99.9	214	17
NGC 7555		NONEX	PEG	23 15.6	+12 35	99.9	99.9	214	17
NGC 7558		GALXY	PEG	23 15.6	+18 55	14.9	12.7	169	17
NGC 7557		GALXY	PSC	23 15.7	+06 41	14.1	13.0	214	17
NGC 7554		GALXY	PSC	23 15.7	-02 23	99.9	99.9	259	17
NGC 7559A		GALXY	PEG	23 15.9	+13 17	14.7	99.9	214	17
NGC 7559B	UGC 12463	GALXY	PEG	23 15.9	+13 17	16.0	99.9	214	17
NGC 7556	H II 235	GALXY	PSC	23 15.9	-02 20	14.0	99.9	259	17
NGC 7560		2STAR	PSC	23 16.0	+04 30	99.9	99.9	259	17
NGC 7561		NONEX	PSC	23 16.0	+04 31	99.9	99.9	259	17
NGC 7562	H II 467	GALXY	PSC	23 16.0	+06 41	11.6	12.9	214	17
NGC 7563	H III 222	GALXY	PEG	23 16.0	+13 11	12.8	13.3	214	17
NGC 7562A		GALXY	PSC	23 16.1	+06 39	15.0	99.9	214	17
Sh2-157		BRTNB	CAS	23 16.1	+60 02	99.9	99.9	058	03
NGC 7567	UGC 12468	GALXY	PEG	23 16.2	+15 52	14.4	12.4	214	17
NGC 7568	UGC 12469	GALXY	PEG	23 16.3	+24 29	13.5	12.6	169	09
NGC 7565		1STAR	PSC	23 16.3	-00 03	99.9	99.9	259	17
NGC 7573		GALXY	AQR	23 16.3	-22 10	14.0	99.9	349	23
NGC 7552	IC 5294	GALXY	GRU	23 16.3	-42 37	10.6	12.8	415	23
NGC 7566	H III 185	GALXY	PSC	23 16.6	-02 21	14.5	99.9	259	17
NGC 7569		NONEX	PEG	23 16.8	+10 55	99.9	99.9	214	17
NGC 7570	H III 238	GALXY	PEG	23 16.8	+13 29	13.2	13.4	214	17
NGC 7572		GALXY	PEG	23 16.8	+18 29	15.0	99.9	169	17
NGC 7574		NONEX	PEG	23 16.8	+24 00	99.9	99.9	169	09
NGC 7578A	UGC 12477	GALXY	PEG	23 17.2	+18 41	13.3	14.0	169	17
NGC 7578B	UGC 12478	GALXY	PEG	23 17.2	+18 42	14.0	14.1	169	17

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NGC 7571		NONEX	PEG	23 17.2	+18 59	99.9	99.9	169	17
NGC 7596		GALXY	AQR	23 17.2	-06 55	99.9	99.9	304	17
NGC 7575		1STAR	PSC	23 17.3	+06 39	99.9	99.9	214	17
NGC 7577		GALXY	PSC	23 17.4	+07 22	99.9	99.9	214	17
NGC 7576	H II 454	GALXY	AQR	23 17.4	-04 44	12.9	12.9	259	17
NGC 7580	UGC 12481	GALXY	PEG	23 17.6	+14 00	13.7	12.8	214	17
NGC 7586		GALXY	PEG	23 17.7	+08 15	15.1	99.9	214	17
NGC 7579		GALXY	PEG	23 17.7	+09 25	14.0	99.9	214	17
NGC 7581		NONEX	PSC	23 17.8	+04 40	99.9	99.9	259	17
NGC 7588		GALXY	PEG	23 17.8	+18 45	15.7	99.9	169	17
NGC 7583		GALXY	PSC	23 17.9	+07 24	13.7	12.6	214	17
NGC 7604		GALXY	PSC	23 17.9	+07 26	14.5	11.5	214	17
NGC 7584		GALXY	PEG	23 18.0	+09 25	14.3	12.1	214	17
NGC 7587	UGC 12484	GALXY	PEG	23 18.0	+09 41	13.9	12.7	214	17
NGC 7593	UGC 12483	GALXY	PEG	23 18.0	+11 21	13.6	12.9	214	17
NGC 7585	H II 236	GALXY	AQR	23 18.0	-04 39	11.4	13.0	259	17
NGC 7594	IC 5307	GALXY	PEG	23 18.3	+10 13	13.0	11.0	214	17
NGC 7589		GALXY	PSC	23 18.4	+00 16	14.1	13.6	259	17
NGC 7591	UGC 12486	GALXY	PSC	23 18.4	+06 34	13.0	13.3	214	17
NGC 7592	H III 186	GALXY	AQR	23 18.4	-04 25	14.0	99.9	259	17
NGC 7582		GALXY	GRU	23 18.4	-42 22	10.6	13.0	415	23
NGC 7595		GALXY	PEG	23 18.5	+09 54	99.9	99.9	214	17
NGC 7597		GALXY	PEG	23 18.5	+18 41	13.9	13.5	169	17
NGC 7598		GALXY	PEG	23 18.5	+18 44	15.6	99.9	169	17
NGC 7601	UGC 12487	GALXY	PEG	23 18.8	+09 14	14.0	13.9	214	17
NGC 7602		GALXY	PEG	23 18.8	+18 42	14.3	12.9	169	17
NGC 7605		NONEX	PSC	23 18.9	+07 25	99.9	99.9	214	17
NGC 7600	H II 431	GALXY	AQR	23 18.9	-07 35	11.9	12.9	304	17
NGC 7590		GALXY	GRU	23 18.9	-42 14	11.5	12.5	415	23
NGC 7603	UGC 12493	GALXY	PSC	23 19.0	+00 15	13.2	13.6	259	17
NGC 7607		NONEX	PEG	23 19.0	+11 21	99.9	99.9	214	17
NGC 7606	H I 104	GALXY	AQR	23 19.1	-08 29	10.8	13.3	304	17
NGC 7608		GALXY	PEG	23 19.3	+08 20	14.2	13.6	214	17
NGC 7599		GALXY	GRU	23 19.3	-42 15	11.5	13.3	415	23
NGC 7609		GALXY	PEG	23 19.5	+09 29	14.1	14.3	214	17
NGC 7616		GALXY	PEG	23 19.5	+10 09	99.9	99.9	214	17
NGC 7611	UGC 12509	GALXY	PSC	23 19.6	+08 04	12.5	12.3	214	17
NGC 7610	UGC 12511	GALXY	PEG	23 19.6	+10 10	13.0	14.5	214	17
NGC 7612	UGC 12512	GALXY	PEG	23 19.8	+08 33	12.8	12.9	214	17
NGC 7618	UGC 12516	GALXY	AND	23 19.8	+42 51	13.0	13.2	088	09
NGC 7613		GALXY	PSC	23 19.9	+00 24	99.9	99.9	259	17
NGC 7615		GALXY	PEG	23 19.9	+08 24	14.3	13.4	214	17
NGC 7614		NONEX	PSC	23 20.0	+00 13	99.9	99.9	259	17
NGC 7620		GALXY	PEG	23 20.1	+24 13	13.1	13.2	169	09
NGC 7617		GALXY	PSC	23 20.2	+08 10	13.8	13.2	214	17
NGC 7619	H II 439	GALXY	PEG	23 20.2	+08 12	11.1	12.9	214	17
NGC 7621		GALXY	PEG	23 20.4	+08 20	15.6	99.9	214	17
NGC 7624	UGC 12527	GALXY	PEG	23 20.4	+27 19	13.1	12.6	169	09
NGC 7623	H III 435	GALXY	PEG	23 20.5	+08 24	12.9	12.8	214	17

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NGC 7625	H II 250	GALXY	PEG	23 20.5	+17 14	12.1	12.8	169	17
NGC 7626	H II 440	GALXY	PEG	23 20.7	+08 13	11.1	13.1	214	17
NGC 7635	H IV 52	BRTNB	CAS	23 20.7	+61 11	99.9	99.9	034	03
NGC 7628	UGC 12534	GALXY	PEG	23 20.8	+25 53	12.7	12.7	169	09
NGC 7627		NONEX	PEG	23 20.9	+12 03	99.9	99.9	214	17
NGC 7629		GALXY	PSC	23 21.4	+01 23	13.8	13.4	259	17
NGC 7630		GALXY	PEG	23 21.4	+11 24	14.2	13.3	214	17
NGC 7631	UGC 12539	GALXY	PEG	23 21.5	+08 13	13.1	13.2	214	17
NGC 7634	H II 441	GALXY	PEG	23 21.6	+08 52	12.6	12.5	214	17
NGC 7622	ESO 148-G008	GALXY	TUC	23 21.6	-62 07	13.4	12.4	459	26
Do 46		OPNCL	CAS	23 21.9	+55 46	99.9	99.9	058	03
Berk 99		OPNCL	CEP	23 21.9	+71 46	99.9	99.9	034	03
NGC 7640	H II 600	GALXY	AND	23 22.1	+40 51	11.3	14.5	088	09
NGC 7632	IC 5313	GALXY	GRU	23 22.1	-42 30	12.1	12.9	415	23
NGC 7636		GALXY	SCL	23 22.3	-29 18	13.7	12.8	385	23
NGC 7638		GALXY	PEG	23 22.5	+11 18	15.0	99.9	214	17
NGC 7641		GALXY	PEG	23 22.6	+11 53	13.9	13.6	214	17
NGC 7639		GALXY	PEG	23 22.8	+11 21	15.5	99.9	214	17
NGC 7642	UGC 12560	GALXY	PSC	23 22.9	+01 26	13.7	12.1	259	17
NGC 7643		GALXY	PEG	23 22.9	+11 59	13.2	13.1	214	17
PK107-13.1	VY 2-3	PLNNB	AND	23 23.0	+46 54	13.9	99.9	088	09
NGC 7633		UVSOB	IND	23 23.1	-67 39	99.9	99.9	459	26
NGC 7645		GALXY	SCL	23 23.7	-29 23	13.1	13.6	385	23
NGC 7648	IC 1486	GALXY	PEG	23 23.8	+09 39	13.0	13.4	214	17
NGC 7646		GALXY	AQR	23 24.0	-11 52	99.9	99.9	304	17
NGC 7647	H III 473	GALXY	PEG	23 24.1	+16 47	13.6	14.0	214	17
NGC 7654	M 52	OPNCL	CAS	23 24.2	+61 35	06.9	99.9	015	03
NGC 7649	UGC 12579	GALXY	PEG	23 24.3	+14 38	14.0	14.1	214	17
NGC 7667		GALXY	PSC	23 24.3	-00 07	14.0	14.5	259	17
NGC 7644		GALXY	PEG	23 24.5	+13 58	15.0	99.9	214	17
NGC 7651		GALXY	PEG	23 24.5	+13 58	15.0	99.9	214	17
NGC 7656		GALXY	AQR	23 24.5	-19 05	13.3	13.5	349	17
UGC 12588	MCG +07-48-005	GALXY	AND	23 24.7	+41 20	13.2	14.2	088	09
NGC 7653	IC 1488	GALXY	PEG	23 24.9	+15 16	12.7	13.5	214	17
NGC 7650		GALXY	TUC	23 25.3	-57 48	12.7	13.0	439	26
NGC 7652		GALXY	TUC	23 25.6	-57 54	13.6	13.2	439	26
NGC 7660	UGC 12594	GALXY	PEG	23 25.7	+27 01	12.7	13.1	169	09
Czernik 43		OPNCL	CAS	23 25.8	+61 19	99.9	99.9	015	03
NGC 7662	PK106-17.1	PLNNB	AND	23 25.9	+42 33	08.6	99.9	088	09
NGC 7659	H III 212	GALXY	PEG	23 26.0	+14 12	14.0	12.5	214	17
NGC 7658		GALXY	GRU	23 26.5	-39 14	99.9	99.9	415	23
NGC 7637		GALXY	OCT	23 26.5	-81 55	12.5	13.9	460	26
NGC 7664		GALXY	PEG	23 26.6	+25 04	12.7	14.0	169	09
NGC 7663		GALXY	AQR	23 26.7	-04 56	99.9	99.9	259	17
NGC 7657		GALXY	TUC	23 26.7	-57 49	14.2	13.4	439	26
NGC 7655		GALXY	IND	23 26.7	-68 02	13.2	12.1	440	26
PK111- 2.1	Hubble 12	PLNNB	CAS	23 26.9	+58 11	14.0	99.9	058	03
Berk 100		OPNCL	CEP	23 27.0	+63 45	99.9	99.9	015	03
NGC 7668		NONEX	PSC	23 27.2	-00 11	99.9	99.9	259	17

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NGC 7669		NONEX	PSC	23 27.2	-00 11	99.9	99.9	259	17
NGC 7670		NONEX	PSC	23 27.2	-00 11	99.9	99.9	259	17
NGC 7665	H III 438	GALXY	AQR	23 27.2	-09 24	13.0	99.9	304	17
NGC 7661		UVSOB	TUC	23 27.2	-65 16	99.9	99.9	440	26
NGC 7671	H III 226	GALXY	PEG	23 27.3	+12 28	12.8	12.8	214	17
NGC 7666		NONEX	AQR	23 27.4	-04 11	99.9	99.9	259	17
NGC 7672		GALXY	PEG	23 27.5	+12 23	13.9	13.9	214	17
NGC 7673		GALXY	PEG	23 27.7	+23 35	12.8	13.1	169	09
NGC 7674	UGC 12608	GALXY	PEG	23 27.9	+08 47	13.2	13.2	214	17
NGC 7675		GALXY	PEG	23 28.0	+08 46	14.9	13.3	214	17
NGC 7677	UGC 12610	GALXY	PEG	23 28.1	+23 32	13.2	13.6	169	09
NGC 7678	H II 226	GALXY	PEG	23 28.5	+22 25	11.8	13.1	169	09
NGC 7680	H III 860	GALXY	PEG	23 28.5	+32 24	12.6	13.8	124	09
UGC 12613	MCG +02-59-046	GALXY	PEG	23 28.6	+14 45	12.0	99.9	214	17
NGC 7681	H II 242	GALXY	PEG	23 28.6	+17 16	13.7	12.9	169	17
IC 5325	ESO 347-GO18	GALXY	PHE	23 28.7	-41 19	11.3	13.2	415	23
NGC 7679	UGC 12618	GALXY	PSC	23 28.8	+03 31	12.9	13.0	259	17
NGC 7676		GALXY	TUC	23 28.9	-59 43	12.5	12.8	439	26
NGC 7682		GALXY	PSC	23 29.1	+03 32	13.1	13.3	259	17
NGC 7683		GALXY	PSC	23 29.1	+11 26	12.5	13.1	214	17
UGC 12632		GALXY	AND	23 30.0	+41 00	12.1	15.0	088	09
NGC 7686	H VIII 69	OPNCL	AND	23 30.2	+49 08	05.6	99.9	088	09
NGC 7684		GALXY	PSC	23 30.5	+00 04	13.6	12.9	259	17
NGC 7685	H III 426	GALXY	PSC	23 30.6	+03 54	13.2	14.1	259	17
NGC 7687		GALXY	PSC	23 30.9	+03 32	13.4	13.6	259	17
NGC 7688		GALXY	PEG	23 31.2	+21 24	15.4	99.9	169	09
PK116+ 8.1	M2-55	PLNNB	CEP	23 31.9	+70 23	12.2	99.9	015	03
NGC 7691	H III 213	GALXY	PEG	23 32.6	+15 50	12.9	14.0	214	17
NGC 7689		GALXY	PHE	23 32.7	-54 05	11.5	13.2	416	26
NGC 7692		GALXY	AQR	23 32.8	-05 36	15.0	99.9	304	17
Stock 11		OPNCL	CAS	23 32.9	+55 29	99.9	99.9	035	03
NGC 7690		GALXY	PHE	23 32.9	-51 41	12.4	12.9	416	26
IC 5328	ESO 291-GO29	GALXY	PHE	23 33.2	-45 02	11.4	12.8	415	23
NGC 7693		GALXY	PSC	23 33.3	-01 17	13.4	13.3	259	17
NGC 7695		NONEX	PSC	23 33.3	-02 43	99.9	99.9	259	17
NGC 7694	H III 187	GALXY	PSC	23 33.4	-02 42	14.0	99.9	259	17
King 20		OPNCL	CAS	23 33.8	+58 31	99.9	99.9	035	03
NGC 7696		GALXY	PSC	23 33.9	+04 53	14.8	99.9	259	17
NGC 7698		GALXY	PEG	23 34.0	+24 56	13.3	13.1	169	09
Czernik 44		OPNCL	CAS	23 34.0	+61 55	99.9	99.9	015	03
Berk 101		OPNCL	CEP	23 34.0	+64 13	99.9	99.9	015	03
NGC 7708	H VIII 62	NONEX	CEP	23 34.3	+72 55	99.9	99.9	003	03
NGC 7699		GALXY	PSC	23 34.4	-02 54	99.9	99.9	259	17
IC 5332		GALXY	SCL	23 34.5	-36 06	10.5	14.5	385	23
NGC 7701	H III 188	GALXY	PSC	23 34.6	-02 51	14.0	99.9	259	17
NGC 7700		GALXY	PSC	23 34.6	-02 57	14.5	99.9	259	17
NGC 7707	H III 579	GALXY	AND	23 34.8	+44 18	13.4	13.6	088	09
NGC 7703		GALXY	PEG	23 34.9	+16 04	13.4	13.3	214	17
UGC 12682		GALXY	PEG	23 34.9	+18 14	13.5	13.6	169	17

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NGC 7697	IC 5333	GALXY	TUC	23	34.9	-65	24	13.5	12.6	440	26
NGC 7705		GALXY	PSC	23	35.2	+04	48	15.4	99.9	259	17
NGC 7704	UGC 12684	GALXY	PSC	23	35.2	+04	54	13.4	13.2	259	17
NGC 7706		GALXY	PSC	23	35.3	+04	59	13.2	13.2	259	17
NGC 7709		GALXY	AQR	23	35.4	-16	42	13.0	99.9	304	17
PK114+ 3.1		PLNNB	CEP	23	35.5	+64	53	99.9	99.9	015	03
NGC 7702		GALXY	PHE	23	35.5	-56	01	12.2	13.1	416	26
NGC 7711	H II 244	GALXY	PEG	23	35.7	+15	18	12.1	13.3	214	17
NGC 7710		GALXY	PSC	23	35.8	-02	53	15.0	99.9	259	17
NGC 7712		GALXY	PEG	23	35.9	+23	36	12.7	12.1	169	09
PK104-29.1	Jones 1	PLNNB	PEG	23	35.9	+30	28	12.7	99.9	124	09
NGC 7714	UGC 12699	GALXY	PSC	23	36.2	+02	09	12.5	13.4	259	17
NGC 7715		GALXY	PSC	23	36.4	+02	09	14.2	14.3	259	17
NGC 7716		GALXY	PSC	23	36.5	+00	18	12.1	13.4	259	17
IC 5338	UGC 12703	GALXY	PEG	23	36.5	+21	09	13.7	13.4	169	09
NGC 7713		GALXY	SCL	23	36.5	-37	56	11.2	13.3	385	23
NGC 7713A		GALXY	SCL	23	37.1	-37	37	12.5	13.4	385	23
Stock 12		OPNCL	CAS	23	37.2	+52	26	99.9	99.9	035	03
UGC 12710		GALXY	PEG	23	37.5	+18	00	13.9	13.9	169	17
NGC 7717		GALXY	AQR	23	37.7	-15	07	13.0	99.9	304	17
Av-Hunter 1		OPNCL	AND	23	37.8	+48	25	99.9	99.9	059	09
NGC 7719		GALXY	AQR	23	38.0	-22	58	99.9	99.9	349	23
NGC 7718	UGC 12712	GALXY	PEG	23	38.1	+25	41	14.0	13.2	169	09
UGC 12713		GALXY	PEG	23	38.2	+30	43	14.3	13.6	124	09
Abell 2634		GALCL	PEG	23	38.3	+27	03	13.8	99.9	169	09
NGC 7720	H III 146	GALXY	PEG	23	38.5	+27	02	12.4	13.1	169	09
NGC 7726		GALXY	PEG	23	38.7	+27	00	14.2	13.8	169	09
NGC 7722	UGC 12718	GALXY	PEG	23	38.8	+15	57	12.4	13.2	214	17
NGC 7721	H II 432	GALXY	AQR	23	38.8	-06	31	11.6	13.2	304	17
NGC 7723	H I 110	GALXY	AQR	23	38.9	-12	58	11.2	13.3	304	17
PK110-12.1		PLNNB	AND	23	39.1	+48	13	16.0	99.9	059	09
NGC 7724		GALXY	AQR	23	39.1	-12	14	13.0	99.9	304	17
Berk 102		OPNCL	CAS	23	39.3	+56	39	99.9	99.9	035	03
NGC 7725	H III 189	GALXY	AQR	23	39.3	-04	33	14.5	99.9	259	17
NGC 7727	H I 111	GALXY	AQR	23	39.9	-12	18	10.6	13.5	304	17
NGC 7728		GALXY	PEG	23	40.0	+27	08	13.1	12.9	169	09
UGC 12732		GALXY	PEG	23	40.6	+26	14	13.3	15.5	169	09
NGC 7729	UGC 12730	GALXY	PEG	23	40.6	+29	11	13.5	13.5	089	09
NGC 7730		NONEX	AQR	23	41.4	-20	14	99.9	99.9	349	23
NGC 7731	UGC 12737	GALXY	PSC	23	41.6	+03	45	13.5	13.9	259	17
NGC 7732	UGC 12738	GALXY	PSC	23	41.7	+03	44	13.8	13.8	259	17
NGC 7735		GALXY	PEG	23	42.3	+26	13	13.6	13.7	169	09
NGC 7736		GALXY	AQR	23	42.4	-19	27	12.9	13.8	349	17
NGC 7733		UVSOB	TUC	23	42.6	-65	57	99.9	99.9	440	26
NGC 7734		UVSOB	TUC	23	42.7	-65	57	99.9	99.9	440	26
NGC 7737	UGC 12745	GALXY	PEG	23	42.8	+27	03	13.8	12.7	169	09
NGC 7740		GALXY	PEG	23	43.3	+27	21	15.6	99.9	169	09
Ced 211		BRTNB	AQR	23	43.8	-15	17	99.9	99.9	304	17
NGC 7741	H II 208	GALXY	PEG	23	43.9	+26	05	11.3	13.9	169	09

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NGC 7738		GALXY	PSC	23 44.1	+00 31	14.4	99.9	215	17
NGC 7742	H II 255	GALXY	PEG	23 44.3	+10 46	11.6	12.7	170	17
NGC 7743	H II 256	GALXY	PEG	23 44.4	+09 56	11.5	13.6	170	17
NGC 7739		NONEX	PSC	23 44.5	+00 19	99.9	99.9	215	17
NGC 7745		GALXY	PEG	23 44.8	+25 53	99.9	99.9	125	09
NGC 7748		NONEX	CEP	23 45.0	+69 45	99.9	99.9	015	03
NGC 7744		GALXY	PHE	23 45.0	-42 55	11.9	13.2	386	23
NGC 7746		GALXY	PSC	23 45.4	-01 41	13.1	13.4	215	17
NGC 7747	UGC 12272	GALXY	PEG	23 45.6	+27 22	13.6	13.2	125	09
PK114- 4.1	Abell 82	PLNNB	CAS	23 45.8	+57 04	12.7	99.9	035	03
Berk 103		OPNCL	CAS	23 45.9	+59 19	99.9	99.9	035	03
NGC 7749		GALXY	SCL	23 45.9	-29 33	12.8	13.3	350	23
NGC 7750	H III 427	GALXY	PSC	23 46.7	+03 47	12.9	13.0	215	17
Stock 17		OPNCL	CAS	23 46.7	+62 11	99.9	99.9	015	03
PK113- 6.1	Abell 83	PLNNB	CAS	23 46.8	+54 45	17.6	99.9	035	03
NGC 7751	H III 437	GALXY	PSC	23 47.0	+06 51	12.8	12.6	170	17
NGC 7752		GALXY	PEG	23 47.0	+29 27	14.3	13.2	089	09
NGC 7753	H II 213	GALXY	PEG	23 47.1	+29 29	12.0	14.0	089	09
PK112-10.1	Abell 84	PLNNB	CAS	23 47.7	+51 24	14.4	99.9	035	03
NGC 7755		GALXY	SCL	23 47.9	-30 31	11.9	14.3	350	23
NGC 7756		GALXY	PSC	23 48.5	+04 07	14.0	99.9	215	17
King 11		OPNCL	CEP	23 48.5	+68 38	99.9	99.9	015	03
NGC 7757	UGC 12788	GALXY	PSC	23 48.8	+04 10	12.7	14.2	215	17
NGC 7759		GALXY	AQR	23 48.9	-16 32	14.0	99.9	260	17
NGC 7758		GALXY	AQR	23 48.9	-22 03	14.4	13.1	305	23
NGC 7754		GALXY	AQR	23 49.2	-16 35	15.0	99.9	260	17
NGC 7760	H III 854	GALXY	PEG	23 49.3	+30 58	13.4	13.3	089	09
NGC 7762	H VII 55	OPNCL	CEP	23 49.8	+68 02	10.0	99.9	015	03
King 21		OPNCL	CAS	23 49.9	+62 43	09.8	99.9	015	03
NGC 7763		GALXY	AQR	23 50.3	-16 37	99.9	99.9	260	17
NGC 7765		GALXY	PEG	23 50.8	+27 10	14.5	13.4	125	09
NGC 7767	IC 1511	GALXY	PEG	23 50.9	+27 05	13.5	11.6	125	09
NGC 7766		GALXY	PEG	23 50.9	+27 07	15.7	99.9	125	09
Abell 2666		GALCL	PEG	23 50.9	+27 10	13.8	99.9	125	09
NGC 7768		GALXY	PEG	23 50.9	+27 10	12.3	13.1	125	09
NGC 7764		GALXY	PHE	23 50.9	-40 44	12.2	13.1	386	23
NGC 7769	H II 230	GALXY	PEG	23 51.1	+20 09	12.0	12.9	125	09
NGC 7770		GALXY	PEG	23 51.4	+20 06	13.8	13.1	125	09
NGC 7771	H II 231	GALXY	PEG	23 51.4	+20 07	12.3	13.1	125	09
NGC 7761	IC 5361	GALXY	AQR	23 51.4	-13 23	14.0	99.9	260	17
NGC 7772		OPNCL	PEG	23 51.8	+16 15	99.9	99.9	170	17
NGC 7774	UGC 12819	GALXY	PEG	23 52.2	+11 28	13.1	13.6	170	17
NGC 7773	H II 851	GALXY	PEG	23 52.3	+31 16	13.4	13.7	089	09
NGC 7775	UGC 12821	GALXY	PEG	23 52.5	+28 46	13.3	12.8	089	09
NGC 7776		NONEX	AQR	23 52.7	-13 23	99.9	99.9	260	17
King 12		OPNCL	CAS	23 53.0	+61 58	10.0	99.9	015	03
NGC 7778	H III 231	GALXY	PSC	23 53.3	+07 52	12.7	12.7	170	17
NGC 7777	UGC 12829	GALXY	PEG	23 53.3	+28 17	13.3	13.1	089	09
NGC 7779	H III 232	GALXY	PSC	23 53.4	+07 52	12.7	13.1	170	17

Sheet1

NGC 7764A		GALXY	PHE	23 53.4	-40 43	14.3	14.1	386	23
NGC 7780	UGC 12833	GALXY	PSC	23 53.6	+08 07	13.9	13.0	170	17
NGC 7781		GALXY	PSC	23 53.8	+07 51	13.9	11.9	170	17
NGC 7782	H III 233	GALXY	PSC	23 53.9	+07 58	12.2	13.3	170	17
Harvard 21		OPNCL	CAS	23 54.1	+61 46	09	99.9	015	03
NGC 7783A	UGC 12837	GALXY	PSC	23 54.2	+00 23	14.1	99.9	215	17
NGC 7783B	UGC 12837	GALXY	PSC	23 54.2	+00 24	15.0	99.9	215	17
NGC 7783C		GALXY	PSC	23 54.2	+00 25	16.0	99.9	215	17
vdB 150		BRTNB	CEP	23 55.1	+76 37	99.9	99.9	003	03
NGC 7784		GALXY	PEG	23 55.3	+21 45	15.5	99.9	125	09
NGC 7785	H II 468	GALXY	PSC	23 55.4	+05 54	11.6	12.9	170	17
NGC 7786		GALXY	PEG	23 55.4	+21 35	13.1	11.6	125	09
UGC 12843	MCG +03-60-039	GALXY	PEG	23 55.6	+17 56	13.3	14.5	125	17
NGC 7787	UGC 12849	GALXY	PSC	23 56.2	+00 33	14.2	13.9	215	17
PK118+ 8.1		PLNNB	CEP	23 56.6	+70 49	99.9	99.9	015	03
NGC 7788		OPNCL	CAS	23 56.7	+61 24	09.4	99.9	015	03
UGC 12856		GALXY	PEG	23 56.8	+16 50	13.9	99.9	170	17
NGC 7789	H VI 30	OPNCL	CAS	23 57.0	+56 44	06.7	99.9	035	03
Czernik 45		OPNCL	CAS	23 57.2	+64 33	99.9	99.9	015	03
Frolov 1		OPNCL	CAS	23 57.4	+61 38	09.2	99.9	015	03
NGC 7793		GALXY	SCL	23 57.8	-32 35	09.1	13.4	350	23
NGC 7791		2STAR	PEG	23 58.0	+10 45	99.9	99.9	170	17
NGC 7792		GALXY	PEG	23 58.1	+16 29	15.0	99.9	170	17
NGC 7790	H VII 56	OPNCL	CAS	23 58.4	+61 13	08.5	99.9	015	03
NGC 7794	H III 466	GALXY	PEG	23 58.6	+10 42	12.5	13.1	170	17
NGC 7795		NONEX	CAS	23 58.7	+60 00	99.9	99.9	035	03
NGC 7797	H III 867	GALXY	PSC	23 59.0	+03 38	13.7	13.4	215	17
NGC 7796		GALXY	PHE	23 59.0	-55 27	11.5	12.9	416	26
MCG +08-01-016		GALXY	AND	23 59.2	+46 53	12.0	99.9	059	09
NGC 7798	H II 232	GALXY	PEG	23 59.4	+20 45	12.4	12.8	125	09
NGC 7799		GALXY	PEG	23 59.5	+31 17	99.9	99.9	089	09
NGC 7800	H II 10	GALXY	PEG	23 59.6	+14 49	12.6	13.9	170	17
NGC 7807		GALXY	CET	23 59.6	-18 51	99.9	99.9	305	10
MCG +08-01-018		GALXY	AND	23 59.9	+47 16	12.0	99.9	059	09

Sheet1

DESCR,C,50	SIZE,C,11	CLASS,C,:'NST\$BRST		
	8.0'	IV 2 p	30	15.0
Cl,pRi,pC,st 9...				
vF,S,R,psbM	1.0'X0.5'			
vF,D*,nebulous?				
pF,pS,R,F*np v nr	1.0'X0.7'			
eF,S,R,sbM,stellar,sp of 2	2'X1'	S(B)Op		
eF,S,R,stellar,nf of 2	1.1'X0.8'	Sb+p		
	70"	2c		20.0
	11'X4'			
eF,vS	0.5'X0.4'			
pF,stellar,2 st np in line	1.0'X0.7'			
vF,S,R,stellar	0.4'X0.4'			
	5.0'	IV 2p :a		
13"-F,S,nC, 12 F* at 135X	10.0'	III 2 p n	40	11.0
vF,S,R,am st	1.1'X0.7'			
F,S,IE,7817 nf				
	4.0'	II 1p :b		16.0
eF,vS,R,stell N,*8.5 sp 3'	1.3'X1.3'			
!eeF,eeL	60'X30'	E		
vF,pL,R,gbM	2.0'X2.0'	Sb+		
pF,cL,mE approx 45 deg,lbM	4'X1.1'	Sb+		
eeF,pS,v diffic,sf 7816	1.1'X1.1'			
eF,vS,E 160,*8.5 p 49",2*9m n 8'				
	90.0'	III 2 m	30	05.0
eF,L	2'X1.8'	SBb		
	3.0'	II 2 p	6	08.0
pF,vS,vsmbM,*14 sp	1.6'X0.7'			
13"-vvF,vvL; just a field brghtning with UHC	50'X40'	E+R		
F,S,R,gbM				
vF,S,gbM	1.3'X0.4'			
pF,S,R,*10np	1.9'X1.3'			
Cl,vP,vIC				
cB,cL,E,vgbM	6'X3'	Sb-		
vF,pS,iF,glbM	1.4'X0.5'			
vF,S,R,*12-13 nf	1.4'X1.3'			
eF,neb * 13 m				
pF,S,E 130 deg,sbMN,*15 sf	0.8'X0.4'			
eF,eS,R,(neb?),f of 2	0.7'X0.7'			
Cl,vS,vF,2'.5,nebs?				
vF,vS,R,vgpsmbM,2 st 9 sf	1.9'X1.0'			
eeF,vS	1.4'X1.3'			
eF,S,R				
eF,p of Dneb				
eF,f of Dneb				
vF,pS,dif,r				
eF,S				
F,vS,R,alm stell	1.2'X0.7'			
vF,S,s of NGC 1	1.4'X1'	Sa		

Sheet1

F,S,R,bet *11 and *14	2'X1.5'	Sb	
eF,vS,mE,vF*v nr	1.7'X0.4'		
	120"	3	
vF,vS,N=*13,14	1.2'X0.7'		
	9.0'	I 2p :b	
eF,vS,R,bet 2 st	0.9'X0.5'		
eF			
eF,vS,cE = 7831?			
eF,cL,mE,vglbM	2.5'		
vF,pS,R,glbM	3'X2'	Irp+	
vF,vS,vIE,2 vf st inv	1.6'X0.22'		
F,cL,vIE,glbM	2.4'X1.2'		
eF,pL,vglbM	2'X2'	SBb+	
vF,N in n end			
vF,vS,S st + neb	3'X1'	Sa	
F,R,*9,10 sf	2'X1'	Sbp	
vF,vS,R,bM	1.2'X0.7'		
pB,S,R,bM	2'X1'	E3	
vF,eS,iR,D*2'p			
F,vS,iR,mbM,NGC 16 p 19"			
eeF,IE,3 vF st around			
F,*10 att	1.7'X1.5'	S0	
	5.0'	III 1p :b	
vF,pS,R,lbM,r	1.8'X1.4'		
3 S st + neb	2'X2'	Sbp	
vF,S,R	1.4'X0.8'		
vF,cL,mE,gbm	6'X2'	Sb III	
	7.0'	II 2m :b	12.0
eF,p of 2	1.1'X0.6'		
vF,pL,R,2 F st n	2'X2'	Sb-	
eF,vS,E,B * nr	1.5'X0.6'		
eeF,S,R,f of 2			
eF,S,IE	1.2'X0.6'		
Neb * 13			
pB,pL,E 0 degrees	2'X1'	S(B)b	
eF,vS,or neb st			
F (Auw. I)			
	9'	R	
pF,S,R,2 st nr	2.0'X0.7'		
eeF,pS,R	0.5'X0.4'		
vF,pS,iF	2'X2'	S(B)b	
eF,S,R	1.1'X0.7'		
F,S,R,mbM	1.3'X1.3'		
vF,pS,R	1.2'X1.1'		
	47"	2b	19.9
pF,S,IE,gbM	0.8'X0.6		
F,vS,stell	1.1'X0.6'		
eF,* 12 np 45"	1.4'X1.3'		
F,vS,R,vsmbM,L*cont f	60"X40"	3b(3)	11.5

Sheet1

eF,vS			
	2.2'X0.4'	Ir+	
eef,pL,R,v diffic	2'X1'	S(B)cp	
eF,L,vgvlbM,L*cont f	8'X6'	S-	
Nebula (Auw. 2)			
eeF,S,R,2nd of 3	1.0'X0.9'		
pF,pS,R,bM	2'X2'	S0p	
vF,vS	2.3'X2.0'		
vF,S,E	2.6'X0.5'		
vF	1.0'X0.6'		
eF,S,R,bM			
vF,pS,R,5092 sp	1.2'X0.4'		
vB,vL,vmE,triN	25.0'X4.0'	SBp	
eF,eL,diff			
F,S,R,sbM	2.6'X2.1'		
vF,pS,iR,gbM	2.6'X1.3'		
vF,pS,R			
eF,vS,R,lbM	1.6'X1.6'		
vF,S,iR,psvlbM	1.0'X0.6'		
	0.8'X0.4'		
	2.7'X1.7'	Ir+	
F,vS,R,glbM	0.5'X0.4'		
eeF,vS,R,v diffic	1.5'X1.1'		
pF,S,R,sbM	2'X1'	Sp	
	4.0'	III 1p :b	14.0
eF,vS,R	1.0'X0.7'		
eF,vS,R	0.9'X0.8'		
eF,L,3 or 4 st+neb	2'X1'	S0	
eF,vS,R	1.5'X1.2'	S0p	
eF,vS,R,bet 2 F st	2'X2'	Sc	
eF,vS,R	1.3'X1'	SBb-	
	0.3'X0.3'		
	5"		
vF,S,R,eF D*close f	1.2'X0.8'		
eF,S,E,last of 6			
eF,vS,R,gbM,p of 2			
eF,vS,iF(?*),*9p3'			
eF,pS,E,225 degrees,*9n1'f of 2	1.2'X0.7'		
vF,vS,R	1.9'X1.9'		
vF,S,bM	1.4'X1.2'		
	3'X2'	S+	
vF,S,R	1.3'X0.9'		
	1.2'X1'	S0	
F * inv in eF,vL neby	5.1'X4.3'	Ir+	
vF,S,vlbM			
F,S,R,psbM	3'X2'	S0	
eeF,sp 83			
eF,S,R,gbM,1st of 4	0.9'X0.7'		

Sheet1

eF,vS,R,2nd of 4	0.8'X0.5'			
vF,S,R,gbM,3rd of 4	1.2'X0.6'			
E,biN,3 B st nr	1.3'X1.2'	E0		
eF,stellar	1.3'			
eeF,cL,R				
eF,vS,lbM				
eF,st & neb				
F,S,R,gbM,4th of 4	1.9'X0.9'			
vF,vS,* 13 sp	2.4'X0.9'	S(B)cp		
vF,IE				
vF,vS	1.5'X0.7'			
F,pL,R,gbM	2'X2'	Sc		
eF,vS				
		IV 2pn:b		
	7.0'	II 2r :b		13.0
vF,S,vlbM				
F,vS,R,gbM	1.5'X1.3'			
vF,pS,R,bM,r				
vF,pL,R,gbM	2'X2'	Scp		
pB,pL,IE,* 14f	2.2'X2.0'			
vF,pS,mE	5.8'X0.7'			
!! vB,vL,eRi,vmCM	30.9'	3		
eF,vS,R	0.6'X0.45'			
pF,vS,R,lbM				
	1.0'	II 2p :a		13.0
vF,S,R,vlbM	1'X1'	Sb-		
Cl,pS,pC,st 11...18	5.0'	II 2 p	30	12.3
	4.0'	I 1m:b		15.0
F,pL,* 7 sf 5'				
pF,pL,R,pslbM	2.3'X2.0'			
vF,S,3 st nr	1.3'X1.1'			
eF,vS,R	1.3'X0.6'			
vF,S,R,lbM,* 8,5 p 36,n2' (?=113)				
vF,pL,IE,D * 2'np	1.9'X0.9'			
pB,pS,IE,vgbM	1.5'			
vF,S,sbM	1.4'X1.0'			
vF,S * in centri,p of 2	1.3'X1.0'			
pB,S,R,mbM	1.0'X1.0'			
F,vS	0.7'X0.4'			
vF				
vF,S * in centri,f of 2	1.3'X0.9'			
Cl,pR,IC,st 9...12		IV 1 p		
Nebulous *	1.6'X0.6'	SB0		
2vF neb 4'-5' np of * 8.5m				
2vf neb 4'-5' np of * 8.5m				
vF,L,dif,2 f st np	2'X1'	Sc		
	5"	2		16.5
vF,S,bM,D * sp	2'X2'	Sa		

Sheet1

vF,S,IE	1'X1'	SB0		
vF,vS,R,p NGC 128	1'X1'	S0		
pB,pS,IE 2 degrees,bM	3'X1'	S0p		
vF,vS,R,f NGC 128	0.7'X0.4'			
F,pL,pmE,vgbM,p of 2	2'X1'	SBb		
Cl,vL,pRi,IC,st 9...13	21.0'	IV 2 p	35	8.6
pF,cL,R,vglbM,r	2'X2'	S(B)b+		
vB,L,vmE 47 degrees,psbM,f of 2,*10 np 45"	8'X3'	S(B)b+		
	5.0'	IV 2p :b		12.0
eF,S	0.9'X0.5'			
F,eS,sbM	1.4'X0.7'			
F,iF,lbM	1.6'X1.6'			
Cl,pL,st 10...,D * inv	7.0'	IV 1 p	5	
eF,S,IE,1st of 3	1.1'X0.6'			
vF,S,R,gbM	1.5'X1.3'			
eF,S,mE,2nd of 3	1.0'X0.2'			
vF,vS,iR	0.9'X0.6'			
eF,vS,R,3rd of 3	0.8'X0.8'			
vF,S,eC	1.2'	II 2 p	20	13.0
F,pL,vIE,vgbM,*8-9 f 5'	2'X1'	SBdm		
13"-pB,pL,E; 20* nice dark lanes invl at 100X	7.0'	III 2 p	20	11.3
vF,L,R,vglbM				
Cl,pL,IC,st 11-12,D*	7.0'	IV 3 p	20	11.6
vF,vL,iR,gsmbM,*1.1	13'X8'	dE4		
vF,vS,R				
	1.5'	IV 2p :b		18.0
vF,vS,R,gbM*14,*12 sp	1.3'X0.8'			
eF,vS,R	0.35'X0.35'			
pF,pL,IE 90 degrees,vglbM	4'X2'	Sb+		
pF,pS,R	4'X2'	Sc		
vB,S,IE 90 degrees,smbM*11	2'X1'	Sa		
pF,pS,R,* nr nf				
vS,np 157				
vF,pS,R,glbM,3 st f	1.4'X0.4'			
pF,S,R	0.5'X0.35'			
vS,nf 157				
pB,L,E,bet 2 cB st	4'X3'	Sc		
vF,pS,iR	1.0'X0.7'			
		dE2		
eF,eS,R,nearly bet 2 st	1.3'X0.8'			
eF,S,IE,*11 np	0.9'X0.3'			
E 160, * n, perhaps spiral	4.5'X3.5'			
eF,S,vIE,r,*8 nr				
vF,vS,stell,*8,17 degrees,4'	3'X2'	S0p		
eF,stellar,160 sp				
vF,vS	1'X1'	E0		
eF				
F,L,st in centre,f of 2	2'X1'	SBb+		
F,S,R	0.4'X0.3'			

Sheet1

eF,S,E 30 degrees,*10 nf 3'	1.2'X0.2'			
F,pL,D or biN,*6 nf 4'	3'X1'	Sb-		
vF,pL,IE,2 pB st sf				
eF,S,vIE,am B st	1.4'X0.6'			
vF,S,R,vgbM,*11 sp 80"	4'X3'	Sb+		
eF,S,E	2.6'			
pB,pL,E,gbM,r	3'X2'	SBb		
eF,S,E 175 degrees,(?*)	2.2'X0.5'			
eF,eS,R,B * np	0.9'X0.8'			
vF,pL,iR,* np inv	3'X2'	SBb+		
vF,S,iR,vgbM	2'X2'	S(B)a		
eF,eS,irr,vF * att	0.8'X0.2'			
pF,vS,R,gbM	2.1'X1.6'			
F,S,R,lbM	1.7'X1.1'			
eF,eS	0.8'X0.2'			
13"-could not find on 8/10 night in Arizona	39"	2b		18.0
Cl,pL,R,st 11...15	3.7'	III 2 p	15	10.9
vF,S,IE,sev st nr sp	1'X1'	Sb-		
pB,vL,iR,vgmbM,r	12'X10'	dE0		
pB,pL,iE 0 degrees	2'X1'	S(B)cp		
F,S,mE 0 degrees,bM	2'X1'	Sc		
vF,vS,R,bM	1.4'X1.1'			
F,pS,pmE,bM	2'X1'	SBa		
F,pS,R,psmbM	1.3'X1.1'			
pB,S,R,vgbM	2'X2'	E1		
eF,s of 196	1.4'X1.4'			
F,S,vgbM	1'X1'	Sc		
F,L,p of 2,* 15 close sp	2'X2'	S(B)0		
pB,S,vgbM	2'X1'	SBb+		
F,vS,* 8 p 27 sec,45" s	1.3'X0.8'			
F,S,mE 150 degrees,bM	1.3'X0.5'			
vF,cL,E,vglbM	2'X2'	S(B)c		
F,R,* 9 sp 8'	0.9'X0.5'			
eF,vS,ibM	1.0'X0.4'			
	4.0'	IV 2 P	20	11.1
F	1.0'X0.8'			
F,pS,R,vgbM,f of 2	1.4'X1.4'			
vF,S,IE,stellar				
vF,S,R,p of 2	1.3'X1.0'			
pF	0.7'X0.7'			
vB,vL,mE 165 degrees,vgvmbM	17'X10'	E6		
B,pS,R,psbM,r,* 11 p 2'	5'X4'	Sb-		
F,iR,vgbM,1st of several				
vF,vL,mE 0 degrees				
vF,R,2nd of several	18.0'			
F,S,R,am st,f of 2	1.1'X0.9'			

Sheet1

eF,S,mbMN				
i train of st and neb				
F,S,bet 2 S st	1.8'X1.7'			
pF,pS,gvlbM,R	2'X2'	Sb		
	1.1'X1.1'	Sa		
eF,vS,IE	2'X1'	Ir-		
F,S,IE 90 degrees,glbM	2.6'X0.5'			
eF,vS,R,gbM	1.3'X1.2'			
F,S,R,*11 sp 1'	0.25'X0.15'			
eF,eS,R,bMN	1.1'X0.2'			
vF,pS,R	1.5'X1.0'			
F,pL,lbM	2'X2'	E2		
eF,S,R,bMN	1.0'X0.8'			
eF,S,R,fainter of 2	1.2'X1.1'			
eF,S,R,* 13 s 20"	1.0'X1.0'			
vvB,L,R,psmbMN	8'X6'	E2		
!!!eeB,eL,vmE	178'X40'	Sb		
eF,S,R,bMN	1.3'X0.7'			
vF,S,R,smaller of 2	0.9'X0.2'			
F,pS,ilE,bM	1.8'X1.8'			
F,vS,R,lbM	2.0'X1.7'			
Cl,L,IC,st 9...10	12.0'	III 1 p n	15	9.3
vF,R				
vF,pL	1.3'X1.2'			
vF,pS,IE,lbM	2'X1'	Sc		
eF,pL,R,gvlbM				
vF,S,bi-N				
	3.0'	II 3 p	35	12.5
	10.0'	IV 2m :b		
Cl,vL,R,150-200 st 10...18	14.0'	II 2 r	20	12.1
pF,pS,E 20 degrees,bMN,* 8 f 20 secs.	1.0'X0.5'			
vF,S,R,* nr s	1.6'X1.6'			
F,pL,vIE,r				
F,S,E or bi-N,vglbM				
	5.0'	I 2 p	25	12.6
	33"X29"	2c		19.8
	1.3'	SOp		
vF,S,iR,r,* 10 s 5'	1'X1'	SOp		
F,vS,R,gbM,* 10 p	0.9'X0.4'			
F,S,R,gbM,* 9 nf 40"				
F,pS,iF,er	1'X1'	Ir		
	3.2'X0.6'	Sm		
F,pL,R,gbM * 13				
F,eL,vmE 172 degrees	20'X7'	S-		
	240"X210"	3b		10.9
eF,vS,R,am 3 st	1.4'X0.8'			
!!vvB,vvL,vmE 54 degrees,gbM	25'X7'	Scp		
vB,pS,IE,smbM,* 8 nf 5'	2'X1'	Sa		
F,pS,R				

Sheet1

vF,S,R,lbM,* inv,2 vS st f	2.5'X2.0'		
F,pS,R,gbM	3'X3'	Sb+	
pB,S,R,pmbM,r,** p	1.7'X1.2'		
Cl,F,pL,st vS			
PL,IE,gbM,r	2'X2'	Sc	
F,S,E 135 degrees,lbM	2.8'X0.6'		
eF,S,vf * close			
eF,pS,IE	1'X1'	Scp	
F,S,R,vsmbM * 13	0.9'		
vF,S,R			
eF,vS,R,v diffic	1'X1'	Sa	
eF,vS,IE 30 degrees	0.6'X0.3'		
	4.0'	II 1p :b	14.0
pB,pS,IE,psbM,r,* 8 sf 4'	3'X3'	SBb-	
	12.0'	III 1 p	30
vF,pS,ilE,r	2'X1'	Sc	
pF,vS,iR,pgbM	1.3'X1.2'		
pF,S,IE,psbM,* 8 f 5 sec.	3'X2'	SBb-	
vF,vS	3'X1'	S0	
pB,pS,smbM,np of 2	2'X2'	E1	
vF,S,R,sf of 2	2'X1'	SBcp	
eF			
Cl,L,IC		IV 1 p	
F,pS,* 11 np	0.3'X0.3'		
	5.0'	II 2m :b	17.0
cB,pL,R,2 st 10 nr	2'X2'	Sc	
eF,pS,E 265 degrees,* 11 n 3'	1.0'X0.4'		
vF,pL,R,vglbM,r			
vF,S,iR,bM,stellar	2'X2'	S0	
eF,S,R,*15 F 30"	1.8'X1.3'		
F,S,R,lbM			
F,vL,dif,S triple * on np edge	4.0'	n	09.0
B,L,IE,st 12...16	13.8'	10	
vB,L,pmE,gbM,* 11 np	4'X3'	Sb+	
!!!vvB,eeL,iR,st 12...18	316'X186'	Irr	
eF,S,R,1st of 4	1.6'X1.0'		
eF,S,R			
vF,vS,IE,alm stellar	1.2'X0.5'		
eF,S,R,4th of 4	0.8'X0.6'		
eF,S,R,2nd of 4	0.7'X0.7'		
eF,S,R,3rd of 4			
pB,vS,R,gvlbM,r			
vF,S	1.0'X0.8'		
eF,vS			
F,vS			
pF	1.6'X0.3'		
pB,vL,vmiE,vgpmbM	20'X15'	Sd	
eF			
F,S,R,* 10"n,296 nf	2.2'X0.9'		

Sheet1

F,LF,* 10 nf 2'	1.2'X0.3'	
eF,vS		
pF,S,R,svlbM	1.4'X0.9'	
vB,S,IE,st 13...15	1.9'	
Cl,S,sc st		
F,S,R,* 12 f		
vF,eS, 1' sF NGC 307	1.1'	
eF,S,iR,gbM,* 8 p 30 sec.		
pB,pL,* 12.13 n	3'X3'	Sc
pF,S,E	1.7'X0.8'	
pF,eL!,nf Gamma Cass	10'X5'	E+R
eF,vS,R,pB * f 2'	1.0'X0.8'	
pF,S,R,bM,p of 2 stellar		
eF,vS,R,lbM,* 12 nf 3'		
eF,vS,R,lbM	1.0'X0.8'	
vF,IE,vgbM,f of 2		
vF,vS,R,lbM,3 st p	1.1'X0.6'	
pF,vS,R,gbM	1.5'X0.8'	
eeF,pS,IE,D * close f	1.4'X1.3'	
eF,vS	1.0'X0.6'	
	1.1'X0.5'	
F,L,R,vgbM	2.2'	
vF,eS,1' np 315		
pB,pL,R,gbM,* 9 nf 3'	3'X2'	S0
vF,eS,stellar,1'f 315		
vF,vS		
F,S,E	2'X1'	Sb+
vF,vS,R,bM	0.5'X0.3'	
F,E	2'X1'	Sb-
F,IE,* 9-10 sf	2'X2'	E4p
F,S,stellar	1.4'X0.5'	
vF,S,R,sev * nr s	1.3'X1.3'	
no description	0.07'X0.07'	
	0.25'X0.20'	
vF,vS,R,sbM		
In. Reg. Vry Blk	3.0'X1.4'	
vF,pS,E 160 degrees,* 10 n	0.9'X0.5'	
vF,S,R,glbM,2 st 11 s	1.2'X0.6'	
vF,pS,E,bM	1.1'X0.3'	
B,L,viF,mbMD*,r	5.2'	n
pF,eL! conn w np one	10'X3'	E+R
pF,L,E,glbM,* 10 f 21 sec	3'X2'	SBc
vvL,eeF,IE	40'X31'	E
vF,vS,iF,bM	1.9'X1.7'	
vF,S,E	0.9'X0.3'	
vF,VS	0.6'X0.3'	
F,pL,R,lbM,r		

Sheet1

eF,vS,iR,sbMN,(?*)				
eF,S,R				
eF,pL,mE,B star sf	4.3'X1.3'	S(B)b+		
	10.0'	III 2 p	50	10.9
	1.9'X1.2'	S(B)+		
vF,vS				
vF,vS,gbM	1.0'X0.7'			
eF,vS,iR,sbMN,(?*)				
	6'X5'	S(B)dm		
vF,vS	0.6'X0.5'			
eF	0.3'X0.2'			
eF,pS,np of 2	1.4'X0.7'			
pF,S,iE,* 8 f 97 sec	3'X1'	SBb+		
vvF,pL,vIE,vgbM	1.5'			
eF,pS,R,sf of 2	1.6'X0.5'			
eF,vmE 145 degrees,vlbM				
vF,vS,R,vS * inv,* 14 close p	1'X0.5'	SBp		
eF,vS	0.8'X0.15'			
vB,vL,vC,vmbM	12.9'	3		
vF,S,iR	1.3'X0.7'			
Cl,F,L,R,pC,st 14...16	7.5'	n		
F,S,iR,sbM,* 14 nf 20"	3'X2'	SBa		
B,S,R				
	3.0'	III 2p :b	8	
F,S,R,glbM	1.0'X0.6'			
eF,vS	2.0'X1.3'			
eF,vS,* 7.8 sp 3'	0.7'X0.7'			
vF,vS	1.5'X1.2'			
F,eL	11'X9'	I		
vF,vS,R,gbM	1.0'X0.8'			
F,R, outer arms dim	3.5'X3.5'	S		
vF,pL,R,glbM				
Cl	3'			
eF,pS,E 175 degrees,bn,3 st 12 np				
eF,eS,R				
vF,S,R,gbM	1.5'X1.1'			
vF,vS,mE,sbMN				
Cl,S	3.0'	II 3 p	30	10.0
vF,* 13 s1 5",dif				
stellar,mbM,r				
vF,vS				
vF,vS	1'X1'	E2		
F,S,bet 2 st 15	1.3'X0.5'			
pF,S,R,sbM	2'X1'	E2		
pF,S,R,bM	2'X1'	SO		
pF,pS,sp of 2	1'X1'	E3		
vF,S,R,sp of Dneb	0.4'X0.4'	E0		
pF,pL,R,gbM,nf Dneb	2'X2'	SO		

Sheet1

F,vL,R,vglbM	4'X2'	Sc		
F,S,r (Auw.9)	1.2'X0.8'			
pF,pS,R,nf of 2	2'X1'	S0		
cF,S,R	0.15'X0.12'			
vF,S,R				
eF,vS,R,susp	1.7'X1.2'	Sa pec		
vF,S,R	0.9'X0.8'			
eF,pL,R,gvlbM				
eF,S,IE				
vF,vS,stellar				
F,pS,R,gbM	1.1'			
Cl,pC	6.0'	III 2 p	50	10.0
eS,stellar,= * 7 m				
pB,pL,R,gbM	2.6'			
F,vS,R,mbM,bet 2 st	1.2'X0.9'			
F,S,50" nf 392				
eF,S,R,vf * p				
eF,eS,R,* nr	1.4'X0.4'			
F,vS,vIE,gbM,4 S st nr	1.7'X1.4'			
	3.9'X0.7'	Sc		
vF,vS,stellar				
vF,S,R	1.2'X1.0'			
eF,vS,GC 217 f				
eF,stellar,217 f				
eF,vS,R,217 s 3'				
vF,pS,cE,* 11 s 85"	2'X1'	Sa		
pB,cL,R,gbM	4'X4'	E0		
vF,(in Nubec. minor)				
eF,S,R,vS * nr	1.5'			
vF,S,R,glbM	1.4'X0.8'			
vF,eS,R,sbMN,(neb?)				
vF,vS,sp of 2	2'X1'	Sa		
F,pL,R,vglbM,p of 2	2'X2'	SBc		
vF,vS,410 foll 8"				
pB,pL,nf of 2	3'X2'	SB0		
eF,eS,R	0.6'X0.5'			
vF,S,iR,mbM,410 np	0.8'X0.4'			
vF,S,R,glbM	2.1'			
eF,S,E,glbM,f of 2	1.0'X0.4'			
vS,R,stell	0.8'X0.7'	P		
F,S,R,gbM,* 12 f				
F,pS,R,bM	2.0'X2.0'			
eF,vS				
B,S,R,psbM	2'X1'	S(B)b-		
	2.0'	IV 1 p	8	11.0
3 vS st w neby (?)	1.0'X0.7'			
	1'X0.4'	SBap		
eF,pS,vIE	1.1'X0.7'			
vF,vS,R	1.7'X1.5'			

Sheet1

F,vS,R	1'X0.6'	Sb+			
F,L,R,bM,er	4'X3'	Scp			
vF,vS,R,lbM,* 11 att	1.0'X0.9'				
vF,vS	1.6'X0.25'				
F,vS,R,vsbM*	1.8'X1.5'				
pF,S,R,glbM	1.4'X1.1'				
pB,S,R,gbM	2.5'X1.5'	E3			
eF,S,E	1.4'X0.5'				
pF,S,R,gbM	1.4'X1.1'				
pF,pL,iR,r,1st of sev					
F,S,vsbM	1.4'X0.8'				
vF,S,R,bM					
pF,vS,R,F * np	1.7'X1.5'				
vF,S,R,B * sf	1'X1'	Sa			
pF,L,R,vgbM					
F,pL,iR,gbM,2nd of sev					
vF,vS	0.8'X0.6'				
F,vS,stellar	1.3'X0.22'				
F,S,R,*15 p 8' on parallel	0.8'X0.7'				
Cl,S,IC	2.5'	III 2 p	15	09.0	
pB,vS,IE	1.9'X1.0'				
vF,L	3.5'X2.8'	Sc			
F,pL,bM,*11 nf	2.2'X2.2'				
Cl,S,iF,pC	6.0'	I 3 m	30	11.1	
pB,pL,iF,3rd of sev					
vF,mE135,lbM	2.1'X0.4'				
F,vS,alm stell	2.7'X1.6'				
vF,vS,R,vlbM,vF * inv	2.6'X2.4'				
vF,vS,R,vlbM	0.7'X0.5'				
vF,E,*9 np,S* nf,v nr	2.7'X1.1'				
vF,vS,R,vF * inv					
pB,R,glbM	1.2'				
13"-eF,pL,nBM,irR,somewhat mottled at 100X		dE2			
vF,pS,R,gbM					
eF	1.1'X1.0'				
eF,vS,stellar					
eF,vS,R,lbM	1.2'X0.4'				
S					
Cl,B,L,pRi,*7,8,10	13.0'	I 3 r	80	8.6	
pB,pL,R,gbM	2.5'X2.5'				
eF,S,R					
vB,S,IE,psmbM					
pB,L,iR	3.3'X1.9'	Sb/Sc			
eF,S	2.6'X1.6'				
vF,eS,stellar					
neb *12m	1.2'X0.7'				
	2.0'X0.9'				
eF,S					
pB,S,smbM, f of 2	10.0'X9.0'	E0/S0			

Sheet1

eF,vS,stellar		
eF,eS,R,sbMN		
eF,IE	2.2'X0.5'	
eF,vS,*9..10 p 14',vdif	1.3'X1.1'	
eF,vS,R,(neb)		
vF,vS,R,F* np	0.4'X0.4'	
	3.1'X1.5'	S(B)+
eF,S,R	1.2'X1.0'	
vF,pS,vIE,vglbM	2.5'X1.5'	
cF,pL,R,*8 sp 3.5'	2.0'X0.7'	
B,S,vIE,bM,vS * nr	1.0'X0.8'	S0/SBb
pB,L,R,svmbM,*8F10'	6.0'X4.3'	Sb
pB,S,E	1.8'X0.4'	
eF,vS,R	1.1'X0.7'	
vF,VS	0.8'X0.8'	
vF,vS,R,8' nf 488	0.7'X0.5'	
eF,eS,stel,5'N of 488		
vF,L,mE60,lbM	4.3'X1.6'	SBc
eF,vS,R		
eF,pS,R,vlbM,r	2.5'X1.1'	SBb
vF,vS,mbM,*11 nf 1'		
cB,S,R,bMN	1.5'X1.5'	
vF,vS,stellar	1.1'X0.7'	
vF,S,1st of 3	1.3'X0.8'	SBap
vF,pL,E,3f*S	2.1'X0.8'	
pB,pL,R,3rd of 3	1.6'X1.3'	S0
eeF,np 499		
vF,vS,2nd of 3	1.7'X0.9'	
vF,S,E	1.6'X0.7'	SBb
vF,S		
eF,vS,S* inv,S* att	1.2'X1.2'	
vF,S	1.6'X0.4'	
eF,eS,D*4' sp		
vF,vS,sp 507		
vF,pL,R,bM,s of 2	4.0'X4.0'	S0
vF,S,N of 2	1.3'X1.3'	EO
vF,vS,IE		
F,S,stellar	0.75'X0.35'	
F,S,E,p of 2	0.9'X0.6'	
F,L,IE,vglbM,**F	4.3'X3.1'	Sc
vF,vS	1.7'X0.35'	
F,S,IE,bM,F of 2	1.7'X0.4'	
eF,S,v diffic,524 f	1.5'X0.5'	SBb
F,vS,R	1.7'X0.6'	Sb
eeF,vS,R,v diffic	0.5'X0.3'	
F,pL,R,gbM	3.8'X3.6'	Sb
F,cL,E 137 deg	5.0'X2.0'	Pec
pF,vS,R,np of 2	1.3'X1.0'	
vF,vS,R,sbMN		

Sheet1

eeF,S,R,vgbM,1st of 4	1.1'X1.0'	
eF,pL,iF,(CL+ neb)	2.7'X0.5'	Sb
pF,R,stellar,sf of 2	2.1'X1.0'	
eF,S,mE,F* sf	1.7'X0.5'	SBO
vB,pL,mbM,4S* nr	3.5'X3.5'	E1
vF,vS,*11 & 12 p 5'	1.6'X0.7'	
eeF,S,R,vgbM,4th of 4	2.0'X0.5'	
eeF,S,R,vgbM,3rd or 4	1.4'X0.5'	
eeF,S,R,vgbM,2nd of 4	1.2'X0.9'	
vF,pL,E30,bM	2.8'X0.9'	Sb
Dneb,vF,vS, pos 90 deg, dist 30"	3.2'X0.8'	Pec
vF,vS,R	1.8'X1.6'	SBc
F,pL,R,lbM	1.8'X1.1'	
	30'	0
eF,S,mE,F*N	1.5'X0.9'	Sb
pB,pL,R,gbM	4.0'X3.0'	E2
vF,vS,1st of 3	0.9'X0.25'	SO
pB,vS,sbM,p of 2	2.4'X2.1'	
F,S,R,bM	2.4'X2.4'	SO
eF,eS	0.7'X0.3'	E6
stellar,p of Dneb	3.0'X2.0'	SO
		E1
eF,eS	1.2'X1.1'	
stellar,f of Dneb	1.5'X1.5'	
stellar,(=523)		
F,S,R	1.9'X0.5'	
In. Reg. Vry Blk	1.5'X0.4'	
pB,pL,gbM,f of 2	3.4'X1.7'	SBb
eF,diffic	1.0'X0.2'	
eF,S,R,*10 nf	1.4'X0.8'	
F,S,E90,bM,r	2.0'X1.0'	Sb
eF,vS,R		
eF,vS,R,3rd of 3	0.4'X0.3'	
vF,pS,IE,bMN,sev F* nr	1.1'X0.9'	
eF,vS,E,1st of 3,*11f		
eF,S,iR,2nd of 3	0.7'X0.6'	
eF,S,E,*10p	0.5'X0.22'	
vF,vS,IE,p of 2	2.0'X0.6'	SO
vF,S,E,vglbM,*13 nr	2.0'X0.8'	
vS,stellar,p of 2		
vS,stellar,f of 2		
vF,vS,iF,f of 2	1.9'X1.5'	E2
vF,S,R	2.2'X1.4'	
eF,pL,R	1.7'X1.5'	
S,E,(Bin)	1.5'X0.5'	Sa
eF,pS,R,D* nr S	1.4'X1.2'	Sc
eF,S,att to *,B* nr	0.8'X0.7'	
F,S,R,bM,am * 11		
vF,S,R	1.5'X0.35'	

Sheet1

vF,pL,R,mbMN	2.5'X1.7'	SBa		
vS,D* pos 225 deg inv	1.1'X0.7'			
eF,vS,R	1.1'X0.5'			
Cl,B,pL,pRi	4.4'	II 2 m	60	10.6
B,S,R,psbM*,r	1.5'X0.7'			
eF,S,R	0.7'X0.6'			
	2.0'X1.2'	S0		
vF,pS,*13,14 sp	1.8'X1.8'			
B,L,pmE,gpmbM	4.8'X3.2'	Sc		
13"-vF,pL,E 3X1,2* invol at 100X with UHC	10'X3'	E		
F	2.2'X1.8'			
eF,pL,iR	1.7'X1.6'			
vF,vS,R,gbM	0.45'X0.40'			
pF,pS,R				
vB,pL,R,mbM,p of 2	3.8'X2.4'	E4		
vF,vS,R	1.6'X0.8'	Sa		
vF,pL,gbM	1.7'X1.6'			
vF,S,R,bM	2.7'X0.8'			
vF,pL,pmE,*12p	2.2'X0.6'			
F,S,R,bM	1.4'X1.3'			
vS Cl,IE,nebulosity	1.2'X0.2'			
wf,S,(S Cl)	2.2'X0.8'			
	1.4'X1.2'	Pec		
vF,S,R,gbMN,*10 sp 2'	0.7'X0.5'			
F,p of 2				
pB,R,bM,r,*6f12'	3.5'X2.2'	E2		
F,S,iF,eR	1.0'X1.0'			
F,pS,E,glbM	1.3'X0.6'			
F,pL,f of 2				
Cl,pL,B,R,Ri,*10..11	6.0'	III 2 p	40	10.6
eeF	3.5'X3.0'	SBd		
vF,vS,R,4' sf 599				
vF,S,R,inv in M 33				
eF,pS,R,lbM,B* sf	1.4'X1.1'			
F,vS,(rr)	3.6'X1.8'			
eB,eL,R,vgbMN	73'X45'	Sc		
eF,S,IE				
F,vS,R,*12p	1.4'X0.9'	SOp		
S neb or Cl w 3* inv				
eF,vS,(F*),30" nf 610				
eF,vS,R,vgbM,*10p2'				
vB,vL,vmE118,sbM,*	5.8'X4.6'	Sbc		
*11,nebulosity				
B,vS,R,wIBM	45"	E		
eeF,vS,R,p of 2	1.5'X1.0'			
eF,pS,R,vlbM,r?	1.7'X1.5'			
F,S,R,f of 2	2.0'X1.5'			
vF,vS,R,bM	2.2'X1.1'			

Sheet1

pB,pL,ilE,gbM,*8 np 10	4.0'X1.7'	Sb		
B,L,mE,gpmbM	3.0'X1.3'	Sa/S		
vF,pS,R,vglbM				
pF,S,R,bM	1.9'X1.9'			
vF,psbM,stellar	0.9'X0.6'			
pF,S,R,bM	1.6'X1.4'			
S,pC	4.5'	I 3 p	20	9.6
eF,S,am vS st	1.2'X0.8'			
pF,psbM,stellar	1.6'X1.5'			
	3.0'	IV 2p :b		
eF,pL,dif	2.1'X1.7'	SBb		
neb D*,*8 np				
pB,pL,bM,? Place				
pB,S,R,gbM,** np	1.3'X1.1'			
F,vL,R,vg,psmbM,rr	12.0'X12.0'	Sc		
vF,eS,R,bMN	1.8'X1.6'			
vF,S,gbM	1.7'X1.5'			
vF,R,place doubtful				
eF,vS,R,lbM	1.0'X1.0'			
Cl,S,pRi,*14...	3.0'	II 3 r		14.4
pB,S,R,psbM	1.7'X1.3'			
	6"			
vF,iR,vglbM		Scp		
eF,eS,sev F* inv	2.2'X0.7'			
eF,vS,R				
vF,vS,vIE,sbMN	1.0'X0.5'			
F,S,R,gpmbM,p of 2	1.4'X1.3'			
vF,vS,p of 2	1.0'X0.2'			
F,S,vIE,glbM,f of 2	1.3'X0.6'			
vF,pS,R,gbM,f of 2,*F	2.0'X1.1'			
pB,vS,R,mbM,r	2.3'X1.9'	E1		
	1.5'X0.3'			
eF,S,IE170,lbMN,*S4'	0.6'X0.4'			
vF,pS,R	0.9'X0.6'			
eF,pS,IE160,bMN,*8 f	0.8'X0.25'			
eF,S,E0,(BMD*)				
F,pL,mE	3.0'X1.3'			
IF,3*+ neb				
eeF,pS,R,v diffic	1.2'X0.7'			
	1.3'X0.2'			
pF,pS,mE,mbM	3.5'X1.7'			
eF,eS,gbMN	1.0'X0.7'			
F,S,R,glbM	3.6'	SO		
vB,f of Dneb	163"X107"	3(6)		15.9
	3.0'X1.1'	Irp+		
F,vS,R,(resolvable)	1.5'X1.3'			
vF,pL,mE,lbM,sev * inv	1.6'X0.22'			
vB,p of Dneb	163"X107"	3(6)		15.9

Sheet1

pB,pL,E,bM,r	1.8'X0.6'	Ir+		
Cl,pS,B & vF stars	10.0'X4.5'	SBap		
Cl,pRi,st12	3.5'	I 3 p	20	10.0
vF,S,R	1.8'X1.5'	Sb		
Cl,iF,Ri,1*6.7m	5.0'	II 3 m	60	7.4
F,S,R,bM,r	2.0'X1.6'	SO		
Cl,IRi,st B	5.0'	III 1 p	40	10.4
F,S,R,mbM	0.8'X0.45'	Sp		
F,S,IE,bM,r	2.4'X1.6'			
eF,S,R,*10 np 100"	0.6'X0.5'			
pB,S,R,mbMN=*12	1.8'X1.2'			
vF*in eF,eS neby	0.8'X0.5'			
Cl,B,L,eRi,st pL	16.0'	III 2 m	80	8.4
pF,pS,R,gbM	2.2'X1.6'	Sb		
eF,pS,R,bet D*&*	1.7'X0.6'			
pF,pL,mE,gbM	3.3'X0.7'	Sb		
F,S,IE	2.2'X0.8'	E5		
F,L,st inv,NGC 672 nf	6.2'X2.9'	SBm		
F,vL,R,vglbM	2.3'X2.3'	SBc		
vF,vS,R,lbM	1.2'X0.8'			
F,pL,mE80	7.2'X2.8'	SBc		
pF,pL,E,lbM,*11 nf 3'	2.3'X1.7'	S(B)c		
13"-B,vL,nC, 44* at 60X	36.0'	III 2 p	40	8.5
	3.0'	IV 1p :b		17.0
B,S,R,gbM				
vF,E161,sbM*9	5.0'X1.8'	Sa		
vF,S,R,lbM,sp of 2	1.2'X0.5'			
cF,S,R,gvlbM	0.5'X0.4'			
vF,vS,R,gbM,er,2* nr	1.8'X1.4'			
eeF,S,R,nf of 2	2.0'X2.0'			
pF,cL,R,glbM,S*p90"	2.8'X1.8'	Sa/Sb		
pB,vmE,*14f s				
vF,pS,IE at 100 degrees,bM	2.0'X0.9'	SBdm		
pB,S,iR,mbM,p of 2	5.0'X1.1'	SBb		
F,S,R	1.7'X0.6'			
eF,2*14p90"	1.0'X1.0'			
	4.7'X1.1'	Sdm		
eF,S	0.9'X0.8'			
pB,S,iR,mbM,f of 2	2.7'X2.4'	SOp		
F,stellar	1.8'X1.8'	SO		
vF,pL,R,gbM	1.0'X0.6'			
	6.0'	IV 2 p	20	
F,E,*13f100"	3.4'X0.9'	Sb		
pF,S,E90,vglbM,*10 nf	3.2'X1.6'	Sa		
vF,stellar	1.4'X1.4'			
eF,pS,E105,B np,curved	1.3'X0.2'			
F,cL,vglbM	3.8'X2.7'	Sb		
vF,vS,(resolvable)	2.6'X1.7'			

Sheet1

F,S,R,bet 2*15	0.55'X0.35'	SOp		
F,pL,E,vgvlbM,r	2.5'X1.3'	Sb		
vF,F*centre	0.7'X0.5'			
F,cL,E,mbM	5.1'X1.7'	Sb/Sc		
vS, stellar	0.55'X0.45'	SOp		
eF,vIE 0,*13s90"	1.5'X1.1'	SBbp		
F,S,bM,*13n1'	2.1'X1.7'	Sb		
	5.0'	II 2p :b		14.0
eF,vS,R,sp 703	1.2'X0.3'			
S Cl,nebulous?	4.5'	III 1 r	120	11.7
vF*in vF,vS neby	1.7'X0.8'			
vF,vS,R	0.7'X0.6'			
vF,vS,R,2nd of 4	0.6'X0.57'			
	120'	0		
vF,vS,R,3rd of 4	1.2'X0.25'			
vF,vS,R,1st of 4	1.2'X0.9'	SO		
13"-pB,pL,nC,nRi at 100X; 25*	20.0'	III 1 p	15	11.0
eF,S,R,B* f	1.8'X0.8'			
F,pL,bM,4th of 4	3.0'X2.5'	E2		
vF,pS,bet 2*,group sp				
vF,pS,2*S	1.7'X1.7'			
cB,pL,IE,psmbM	4.4'X2.8'	E4		
eF,S,gbMN	0.6'X0.4'			
pB,S,iR,psmbM	2.6'X2.2'	Sb		
vF,R,am pB stars	1.3'X1.0'			
F,vS,R,2*13 p & np	1.6'X0.35'			
eF,R,vF* f	1.4'X1.1'			
	30"			18.0
F,S,R,bM	1.1'X0.6'			
vF,pL,R,gbM,s*S sp				
pF,vS,R,vgbM	1.5'X1.3'			
vF,pS,*15 sf 1'	1.5'X0.22'			
eeF,S,R				
pB,S,R,gbM				
vF,S,R,bM				
F,vS,R,bMN	0.4'X0.4'			
vF,vS,R,Beta ARI n	2.1'X0.7'			
eF,pL	1.8'X1.0'	SBb		
vF,vS,R,bMN,*11p				
	0.8'X0.7'	SBa		
	4.0'	II 2p :b		14.0
eF,stellar	1.7'X1.7'	EO		
suspected neb				
eF,pS,E90,glbMN,* np				
vF,very stellar				
vF,pL,iR,*9 3'f	1.2'X0.6'			
pB,S,E,bM	1.9'X1.4'			
	7.0'	III 1p :b		
vF,vS				

Sheet1

vF,pS,vIE	3.2'X1.0'			
F,S,gbMN,(=755)				
vF,pL,E65,gbMN				
pF,S,R,p of 2	3.0'X3.0'	E1		
vF,2'p 736				
pF,*9 np	2.3'X1.1'			
vF,vS,R,sbM,f of 2	0.2'X0.2'	EO		
vF*Inv vF,vS,R,neby	1.6'X1.1'			
eeF,stellar	1.8'X0.8'	Sb		
eF,vS,R,* np 25"				
pB,R,bM	1.8'X1.6'	SO		
stellar neb (F*),736 s				
neb,75"nf 736				
F,L,cE	1.7'X0.3'	SBb		
cF,vS,R,in 3*	0.5'X0.5'			
vF,S,IE,vglbM	1.3'X1.1'			
eF,vS,iR,gbM				
eF,pS,IE180	1.0'X0.4'			
cB,pL,R,P w 751,25", pos 173 deg	2.5'X1.7'	E1		
pF,eS,R,bM,P w 750	0.2'	EO		
Stellar	13"	3b		15.8
pB,pL,IE,*12 att	2.1'X1.9'	SBb		
vF,R,761 nf				
pB,pL,R,gmbM	3.3'X2.1'	Sc		
Cl,vvL,Ri,*L & S,C	50.0'	III 1 m	60	09.0
pF,cL,4F* nr	1.7'X0.5'			
Cl,vS,R	1.8'X1.8'	EO		
vF,pS,IE,sev * nr	2.2'X1.6'	Ir		
Cl,pL,pRi,iF,*11..13	11.0'	IV 2 p	20	10.4
pF,S,R,glbM	1.7'X1.2'			
eF,pS,R,*8 f 30"	2.1'X1.2'			
vF,S,R,*11,2' np	2.0'X2.0'			
Cl,not Ri,D*	5.0'	II 1 p	12	10.0
vF,vS	3.0'X3.0'			
	<0.5"	1		14.0
eF,pS,E160	1.1'X0.4'			
cF,pL,E0,glbM	1.2'X0.6'			
eeF,vS,R,*13 p 100"				
vF,S,R,sp 772	1.1'X0.8'	E3		
vF,stellar	2.0'X1.5'			
B,cL,R,gbM,r	8.0'X5.0'	Sb		
vF,vS,iR,bM,F* att	0.9'X0.45'			
cB,L,mE162,mbM	4.1'X1.4'	Sb		
pF,S,R,2*11 nr				
F,pL	1.9'X1.9'			
eF,stellar	1.7'X0.5'			
eF,vS,R,lbM	1.1'X0.5'			
pB,pL,R,glbM	2.8'X2.2'	E1/E2		
vF,vS,E,3*p	1.8'X1.0'			

Sheet1

pF,pS,R,bM	1.8'X1.5'	Sa		
vF,S	1.0'X1.0'			
vF,L,E,Double	6.8'X1.8'	S(B)		
eF,S,iR,vF st att	1.7'X1.4'	Sc		
eF,vS	0.8'X0.7'			
cF,cS,R,bM	1.3'X1.3'			
pF,S,R,gbM				
vF,S,*14 f	1.6'X1.6'			
eF,eS,vF * att	1.5'X0.9'			
	7.0'	II 2m :b		14.0
eF,S,R,*11 75 deg	1.8'X1.0'			
eeF,pS,R,n of 2	2.5'X2.0'			
eeF,S,R,s of 2	1.3'X1.0'			
vF,cS,stellar	1.3'X1.1'			
vF,S,IE	0.7'X0.35'			
V vf,bet 2*,sf 789				
eF,S,R,gbM				
eF,vS,R,gbM	1.0'X0.5'			
	3.0'	II 2p :b		
	1.1'X1.1'	Sc		
	2.0'X1.8'	Ir+		
eF,vS	1.2'X0.5'			
vF,S,iR,sbM,* nr	1.6'X1.3'			
	5.0'	II 1p :b		
suspected neb *				
	2.8'X2.3'	SBdm		
eeF,S,R,v diffic,pB*N	1.2'X0.3'			
eF,pS,iR,D* close f	3.3'X0.7'			
vF,S,iR,glbM,*10p	3.5'X1.6'	Sb		
vF,pS,vIE	1.2'X0.6'			
eeF,vS,R,lbM	1.4'X0.25'			
	1.4'X1.0'	Irp+		
eF,eS,R,2*14p	1.1'X0.7'			
vF,S,R	1.0'X0.9'			
13"-B,pL,nRi,nC at 100X; 17*; just naked eye	15.0'	IV 2 p	25	07.0
eF,eS,R(neb),*10 s 1'	1.1'X0.7'			
vF,vS,iR,bet 2* n&sp	2.2'X1.6'			
vF,vS,R,bM	1.7'X1.3'			
cF,vS,R,sbM	1.1'X0.6'			
F,S,R,vsmbM*13	1.4'X1.2'			
eF,pL,E45,bM	3.2'X1.5'	Sp		
vF,vf D* inv	1.8'X1.3'			
eF,vS,R,2* nr	0.8'X0.35'			
vF,vS,iF	0.35'X0.35'			
pB,vS,vIE,svmbM,* np	3.3'X2.2'	E2		
F,vS,R,bM	1.5'X0.9'			
F,S,mE	2.5'X1.1'			
pF,vS,R,*13 n	0.65'X0.45'			
F,S,*11S,1st of 3	0.9'X0.5'			

Sheet1

pB,cL,IE,mbM	3.5'X1.4'	S(B)c		
vF,S,E,bM,am st	2.7'X1.4'			
pF,pS,R,glbM,r	1.3'X1.0'			
pF,vS,R,2nd of 3	0.7'X0.5'			
eF,S,R,lbM				
F,S,R,1st of 4	1.9'X1.0'	Sap		
vF,pS				
F,S,R,2nd of 4	1.4'X1.2'	S(B)bp		
vF,vS,R,3rd of 4	1.7'X1.7'	Irp		
vF,pS,R,4th of 4	1.8'X0.9'	SOp		
vF,vS,R,psbM,3rd of 3	0.9'X0.5'			
F,vS,*9.10 sp				
pB,S,iR,D* f 15"	3.5'X2.7'	Sap		
F,S				
eF,vS	2.6'X1.4'	SBb		
eF,vS,R(neb)	0.5'X0.3'			
eeF,pL,v diffic,* nf	1.9'X1.3'	SBb		
eF,pS,mE0,*10n1'	0.9'X0.4'			
eF,S,R,gbMN	1.3'X0.9'			
vF,S,IE	1.2'X0.5'			
Globular,F,S,R				
eF,pS,R,v diffic	1.3'X0.8'	SO		
eF,eS,iF	1.5'X1.4'			
pB,vS,mbMN=*13,14	2.0'X1.0'	S(B)b		
cF,pS,IE0,gbM	1.8'X0.6'			
F,S,E	1.6'X1.6'			
eF,vS,R,gbM	2.3'X2.1'			
vF,pL,R				
	60"	3b		18.1
vF,iF,stellar	1.8'X0.5'			
eF,pL,R	1.6'X1.4'	S(B)c		
cB,S,E,psmbM	1.5'X1.3'			
F,vS,svmbM	0.9'X0.8'			
eF,S,IE,F* close foll	1.2'X0.9'			
pF,pS,R,lbM				
F,S,IE90,bM	3.3'X1.4'			
vF,R,bM,stellar	1.3'X1.3'	Sa		
13"-vB,vL,nC,vRi at 60X; 88*, nice chains	60.0'	III 1 m	50	8.2
*13in F neb				
eF,cL,R,gbM	4.8'X3.5'	Sc		
vF,pS,mE0,gvlbM	1.5'X0.8'			
vF,S,D* att sp	1.5'X0.6'			
pF,pS,R,lbM				
eF,vS,R,bM				
eF,pS,R	1.4'X1.3'			
eF,eS,iR	2.0'X0.35'			
eF,pS,E170,(D*),* np	0.9'X0.5'	Sa pec		
F,L,E pf,gbM	1.6'X1.0'	Sb+p		
F,pL,R,vglbM	1.4'X1.2'			

Sheet1

eF,pS,iR,bM				
vF,vS,(=867)	1.5'X1.5'			
eF,stellar,2 vf * sp,s of NGC 871	0.3'X0.3'			
vF,vS,E,*10 sf 5'	1.1'X0.35'	SBc		
eF,S,R,2or3 vF * nr				
eF,vS,R	0.8'X0.5'			
eF,S,R,107"sp 877	1.7'X0.6'	Sb		
pF,pL,IE,pgbM,*9 4' sf	2.3'X1.8'	Sc		
eF,vS,R,sbMN				
F,pS,E,bM,2or3* nr	2.9'X1.7'			
			12	10.2
Cl,vL,vRi,*7...14	30.0'	I 3 r	200	6.6
pF,pS,vIE,bM,D* nr	0.7'X0.6'			
vF,vS,R,bM,*7 sf	1.0'X0.9'			
F,S,iR,pgbM	2.0'X1.6'			
eF,R,gbM,*16 nr	1.1'X0.6'			
	4.0'	III 1p :b		15.0
vF,pS,R,lbM				
pF,pS,R,lbM,*8f4'	1.3'X1.0'			
eF,eS,(E),(neb)				
pB,S,R,psbM,*10 f 35"	2.1'X1.3'			
	4.0'	II 1m:b		14.0
vF,E,bM,Dneb w 895				
F,vL,iR,gbM,Dneb w 894	3.6'X2.8'	Sb		
B,S,R,bM,3F* sp	2.9'X2.3'	E4		
pB,S,gbM,D*p,r	1.9'X1.3'	I r		
Cl,vL,vRi,ruby*M	30.0'	I 3 r	150	8.1
eF,vS,R	0.5'X0.4'			
B,vL,vmE22	14.0'X3.0'	Sb		
eF,eS,R,(*)				
F,S,E90,gbM	1.9'X0.7'	SBd		
cB,vL,E	5.5'X2.8'	Sc		
eF,vS,IE	2.0'X0.5'	Sb		
vF,vS,stellar	1.1'X0.7'			
Cl,L,IC,sC,st9...13				
eF,vS	20.0'	IV 2 p	20	11.0
eF,eS,R				
vF,vS,R,lbM	1.5'X1.0'			
13"-2 gals F,pS,R,nBM; 6 others vF,S at 165X	40'	0		
cF,pL,R,gpmbM	1.9'X1.8'	Scp		
eF,IE	2.1'X2.0'	S(B)b		
vF,vS,vS* inv	0.9'X0.9'			
vF,pS,stellar	2.0'X2.0'	SO		
eF,vS,stellar				
eF				
F,vS,R,bM				
eF,vS,lbM				
eF,vS,R,bM	1.7'X0.9'			

Sheet1

eF,pL,iF	27'X13'	E		
pF,L,R,*10 sf 3'	3.6'X2.1'	S(B)c		
vF,S,R,4* nr,(vS Cl)				
eF,pL,dif	2.1'X1.4'			
vF,pS	2.5'X1.3'	SBb		
eF	1.3'X0.25'			
In. Reg. Vry Blk	1.0'X0.3'			
vvF,S,R,gvlbM	1.2'X1.0'			
vL,F	27'X13'			
eF,S,R,gbM	1.2'X0.5'			
F,S,bM	1.3'X1.3'	SBc		
eF,S,mE 0 deg, sbM	0.8'X0.2'			
eF,vS,iR	2.3'X1.3'			
cF,cL,E,vgbM,2*13 np	13.0'X8.0'	Sb/Sc		
eF,S,E170,*8.5n4'	0.9'X0.5'			
vF,S,R,gsBM	0.9'X0.6'			
vF,eS	1.8'X1.6'			
eF,vS,stellar	0.7'X0.3'			
vB,vL,R,mbMN,p of 2	5.6'X4.5'	SBa		
eF,eS,R,1or2 eF* nr	1.9'X1.3'			
eF,S,iR,vgbM,932 sf 1'	1.8'X1.7'			
F,S,IE,3* inv				
pB,pS,R,*f6s	1.9'X1.2'			
F,pL,iR	4.5'X1.3'			
pB,S,R,lbM,*11 sf	1.6'X1.2'			
vF,cL,R,f of 2	3.5'X2.6'	Sc		
vF,L,iR,glbM	2.5'X2.1'	SBc		
pB,E,gbM	2.6'X1.5'			
vF,S,R	1.4'X1.2'	S(B)c		
eF,S,E0,(D*)	1.0'X0.6'			
vF,pL,IE,gbM,*8 sf 3'	1.6'X0.8'			
vF,R,(neb D*)	0.4'X0.25'	SOp		
eF,eS,R,B* nf	2.2'X1.1'			
vF,R,Dneb w 943, F nucl				
eF,S,gbM	1.2'X0.8'			
	2.5'	II 1 mn:b		16.0
F,S,R,bM	1.7'X1.2'			
vF* slightly neb	1.1'X0.6'			
13"-9 pB* and 6 pF* in Small grp at 100X	4.5'	IV 2 p	6	8.4
pB,S,E,psbM	3.0'X1.0'	Sb		
pF,iLE,bM	2.8'X1.1'	Sb		
eF,S,R,gbM,r				
cB,L,E,vgbM	3.6'X2.3'	Sb		
F,S,R,glbM	1.5'X1.0'			
pB,pS,mE215	2.0'X0.5'			
pF,S,R,mbM	1.5'X1.5'			
eF,pS,E230,*10 att				
vF,vS,R,bM				
F,S,R,bet 2* in parallel	1.2'X1.0'			

Sheet1

eF,vS,R,(neb),*9 sp	1.0'X0.2'			
eF,R,*9 sp 2'	1.0'X0.9'			
F,S,iR,gbM	1.6'X1.0'			
eF,pL,IE,lbM	2.6'X1.5'	Sm		
Cl,pRi,*9...15	8.0'	IV 1 p	30	09.0
vF,S,gbM	1.0'X0.8'			
13"-B,pL,pRi,pC; 20* at 135X; some neby to S	21.0'	III 3 p n	40	
Cl,C,eL neby extends following	22.0'	III 3 p n	40	7.9
	1.8'X0.7'			
eF,S,gbMN	1.7'X1.2'			
eF,S,gbM	0.8'X0.5'			
	7.0'	II 3 m	10	9.9
eF,pS,R,vlbM,am sc st	2.0'X1.6'			
vF,cE	1.3'X0.9'			
	1.7'X1.7'	Ir+		
Cl,pL,pRi,*13...15	11.0'	III 2 p	30	9.5
pB,L,pmE,sbM,BI-N	3.7'	SBb		
	3.1'X2.5'	Ir+		
F,vS,R,bMN	0.25'X0.25'			
vF,vS,4F* nr	1.7'X1.6'	Sb		
S,R,psbM,1st of 5	2.0'X1.5'			
pF,pS,R,bM	3.6'X1.8'			
	5.0'	III 2p :b		
vF,vS,R,3rd of 5				
vF,vS,R,2nd of 5	0.6'X0.2'			
pB,cL,IE,gmbM,3*s	3.7'X1.7'	Sc		
eeF,S,mE,pB* nr sp	4.0'X0.6'			
	3.0'	IV 1p :b		
vF,R,bM,4th of 5	4.0'X3.5'			
	2.0'X1.2'	Ir-		
vF,vS,R,bMN	1.3'X1.3'	Ring		
vF,eS,R,bM	3.0'X2.0'			
pB,R,5th of 5	2.0'X1.7'			
eF,vS,R,bM				
neb *7.5m	4.7'X2.7'	SBC		
F,S,nf of 2	1.7'X0.9'			
vF,pS,sp of 2	1.8'X0.7'			
vF,cL,iF,vlbM	2.7'X2.5'	Sc		
	3.0'	III 1 p	20	12.9
eF,S,R,p of 2				
	6.2'X1.3'	Sc		
	7.0'	I 2pn:b		
vF,pS	5'X3'			
F,S,R,psbM	1.8'X1.5'			
vF spiral,F stellar nucleus	4.6'X4.3'	S(B)c		
F,S,R,gbM,*11s2'				
eF,vS	1.1'X1.0'			
eeF,pS,R,vF * close				

Sheet1

F,S,vIE,bM,r,2*14 np	1.4'X1.0'			
F,S	1.2'X1.2'			
vF	0.6'X0.5'			
13"-pB,pL,pRi,sC at 100X; 20*; BI-Gold D* inv	20.0'	III 2 p	20	7.4
pF,pS,mE,*S	0.9'X0.7'			
eeF,pS,R,lbM				
eF,S,R	1'X1'			
pF,vS,R,vmbM,*11p2"	1.8'X1.8'			
eF,S,R,lbM	1'X0.5'			
	1.5'X1.0'	SBa		
vF,stellar	0.7'X0.2'			
eF,eS,iR,p of 2				
eeF,vS,R,v diffic	0.6'X0.6'			
eeF,vS,R,bet 2Dist D*	0.4'X0.35'			
vF,eS,stellar	1.0'X0.7'			
	2.0'X1.1'	SBb		
eeF,vS,mE,v diffic				14.5
eF,vS,E 180,f of 2	1'X0.6'			
vF,S	3'X3'	SBa		
vF,vS,IE,lbM,2B*p20s	0.6'X0.5'			
F,S,R,psbM	3'X3'	EO		
eeF,pS,R,*9 sf	1.6'X0.25'			
vF,S,IE	1'X1'	SBb		
vF,vS	1.7'X1.2'			
cB,pL,R,mbM,*11 nf 2'	3'X2'	Sb		
eF,vS	0.8'X0.2'			
vF,vS	1.4'X1.4'			
eF,S	0.6'X0.5'			
eF	1.1'X1.0'			
vF,vS,iR,bMN	1.6'X1.0'			
1637,pS,dif				
	5.0'	I 2 p	20	10.8
pF,S,IE,bM,*11 nf 1'	5'X2'	Sb		
vF,vS	0.9'X0.35'			
pF,S,R,psbM	2'X2'			
F,pS,iR,bM,st inv	3'X1.5'	P		
pF,L,E90,mbM,r	7'X3'	Sc		
pB,S,vIE,bM,3*trapezoid	4'X1'	Sa		
pF,L,mE,r,*17 att sf	2'X1'	P		
F,S,mE	2'X0.5'			
eF	1'X0.5'			
vF,vS				
	3.0'	III 1p :b		
vS,F	0.4'			
vF,iE	2'X1'			
vF,vL,R,Low Surface Brightness	17'X12'	E4		
eF,pS,R,lbM	1'X0.45'			
eF,pL,iE190,sbMN	1.3'X1.1'			
pF,pS,iR,bM	1.7'X1.2'			

Sheet1

F,S,R,lbM	2'X1'	SO		
F,L,R,np of 2	5'X4'	Sc		
F,S,R,bM	0.7'X0.4'			
vB,vL,vmE,vvmbM	9'X4'	E7p		
eeF,pS,R,v diffic	2'X1'	Sa		
eeF,pS,R,sf of 2	1.3'X0.4'	SBb		
	1'X0.5'	SBc		
eeF,S,R,v diffic				
eF,IE np sf,* att np	2'X1'			
vF,vS,p of 2,*10p	0.5'X0.5'	SOp		
B,pL,R,mbM*12	3'X2'			
eF,vS,f of 2				
pF,cL,IE80,bM,*11n1'	8'X4'	SB		
Cl,B,vL,IC,sC st9...	35.0'	II 3 m	100	7.3
vF,pS,iR,r	1.4'X0.5'			
eeF,pS,* nr S,*7.5p	0.5'X0.5'			
vF,vS,IE	0.9'X0.5'			
F,S,bM				
eF,S,R	1'X1'			
nonexistent				
F,S,*18 inv n	2'X1'			
Cl,L,scatt stars, one 10th mag	20.0'	III 2 p n	40	9.3
vB,pL,iR,sbMrrN	9'X8'	SBp		
eeF,pS,R,*8.5 nr f	1'X1'			
F,S,R,psbM	3'X2'			
vF,double	1'X1'			
eF,vS,E0,bet 2*	1'X0.5'			
F,pL,R,lbM,*F46s,3's	2'X2'			15.7
vF,S,R,bM	1'X0.5'			
vF,vS,IE,3 or 4 * in line near	2'X1'			
pF,S,iR,gbM	3'X2'			
eF,vS,R,sev vF st inv	1'X0.5'	SBb		
pF,cL,R,glbM	4'X4'	Sc		
vF,L,lbM,er	6'X6'	SBc		
eeF	1.4'X0.3'			
vF,pS,R,B*F 22s	2'X1'			
vF,vS,bMN	1'X0.4'			
eF,vS,R	1'X0.5'			
vF,pL,R,lbM,s of 2	2'X2'			
eF,S,n of 2	1'X1'	SBc		
B,pL,pmE,sbM	3'X2'	SBap		
F,pS,R,glbM				
eF,eS,R,(=1064)	0.3'X0.3'			
	6.0'	II 2 p	10	12.8
F,vS,R,bMN,1st of 3	1.8'X1.3'			
vF,pS,iR	1.1'X0.8'			
eF,pS,R	2'X1'			
	22"	3b		19.4
F,pS,IE,bMN,2nd of 3	1.8'X0.6'			

Sheet1

vF,vS,R,sbMN	0.9'X0.6'			
eeF,pS,IE	0.1'X0.1'			
vF,vS,R,sbMN,b of 2	0.9'X0.8'			
eeF,pS,mE,sp of 2	1.4'X0.3'			
F,vS,IE,bMN,3rd 3	1.7'X0.7'			
vB,pL,E,gpmbM	3'X2'	Sc		
vF,pL,E	1'X1'			
spp of 2	1'X1'			
F,S,R,lbM,bet 2*	3'X2'	Sb		
eeF,S,R,nf of 2	0.3'X0.3'			
pB,cL,IE,mbM	4'X3'	Sc		
vB,L,vmE151,vbMN	9.3'X6.3'	SBb		
	0.8'X0.5'	E5		
vF,pL,iR,bM	4'X2'	S-		
vF,S,iF	1'X1'			
eF,vS,R				
	12.0'	III 2 p	12	
vF,S,R,2S * p	1'X1'	SBb		
eF,pS,R	1.4'X1'			
	2.8'X2.3'	SBdm		
vF,pS,D* nr	2'X1'			
	5.8'X5.8'	Sm		
eeF,S,E,*15 inv,*11f	2'X0.4'			
ef,vS	2'X1'			
vF,eS,R,bM,*13p	1'X1'			
F,eS,R,(F*)				
eF,pS,R				
vF,vS,r,*14	1'X1'	SBa		
vF	1.2'X0.9'			
	4.8'X3.7'	Sm		
eF,pL,E348	3'X0.5'			
vF,S,R,bM	1.3'X0.8'			
pF,pL,pmE,glbM	2'X1'			
F,vS,R	2'X2'			
F,vS,stellar				
f,pS				
eF,vS,E pf	1.5'X0.5'			
vF				
vF	1'X0.5'			
vF	1.5'X0.3'			
vF,vS,vF * att s	2'X2'	SO to Sa		
F,R,gbM				
F,mE	1'X0.5'			
F,R,gbM	1.4'X1.2'			
Cl,star following,in F neby	12.0'	IV 3 p n	10	7.1
Close to a star				
In. Reg. Comp. Blk	1.5'X0.8'			
	6'	R		
eF,eS,iR,gbM,*9 nf 1'	1.0'X0.8'			

Sheet1

vF,S,IE,gbM	2'X1'		
	134"X121"	4	20.3
eeF,S,R,1132 f	1'X0.2'		
vF,vS,R	0.5'X0.5'		
eF,S,IE,2F* close p			
vF,vS,IE45,2* np,nf	0.6'X0.5'		
vF,pS,R,* nr n	2'X1'		
cF,S,iR,vgbM,r			
vF	1'X1'		
eF,pL,gbM,*8f	2'X1.5'		
vF,S,R,gbMN	1'X1'		
F,S,iR,r	2.5'X1'	S	
vF,pS,R,lbM	2.5'X1.5'		
eF,ES	0.5'X0.5'		
cF,pS,iR,vglbM,D or F*,sp	4'X3'		
eF,eS	0.5'X0.5'		
pB,S,R,stellar	1.5'X1'	P	
F,pL,pmE,2 * st f	3.2'X0.5'		
vF,S,p of Dneb			
pF,S,R,f of Dneb			
eF,S,R,p of 2	1.5'X1'	Ring	
eF,S,R,f of 2	1.1'X0.7'	Ring	
eF,vS,E0,*9.5f6'			
vF,vS,R,gbM,2S* triangle	1.5'X1.5'		
eF,pS,R,v diffic,np of 2	1'X1'		
eF,S,R,(neb?),nr 1150			
vF,S,R,sbMN	1'X0.5'		
eF,S,R,sbMN			
vF,vS,R,bM,S*p30"	0.6'X0.5'		
Cl,vS,vf + neb			
	3.74	1	
eeF,S,R,v diffic,sf of 2,*s	1'X0.5'		
F,vS,ilE,sbM,er	1.5'X1.5'		
eF,S,lbM,sp of 2	1'X0.5'		
eF,S,lbM,nf of 2	1'X1'		
eF,pS,E0,sbMN			
vF,pL,E,vlbM	2.5'X1.0'		
13"-eF,pS,R at 135X, only seen with UHC filtr	188"X174"	2b	18.3
F,R,glbM,stellar	0.5'X0.5'		
	40.0'	n	25
pB,pS,R,N = 12.5 mag	1.7'X1.7'	SBb+	
pB,cL,pmE0,bet 2*	4'X3'	Ir+	
vF,pS,mE75	2.2'X0.3'		
eF,S	1'X1'		
	3.0'X2.0'	S(B)m	
vF,S,R,vlbM	0.5'X0.5'		
eF	1'X1'		
	25.0'	I 3 p	

Sheet1

F,pS,IE,sbM	3'X2'	SO		
F,E	1.5'X0.8'	Sc		
pF,pL,R,psbM	2'X2'	E1		
vF,pL,R,spmbM	3'X2'	SO		
	1.81'	0		
eF,vS	2'X1'			
eF,vS,R,bMN				
eF,vS,R,bMN				
eL,dif				
eF,pS,gbM,*12f1'	5'X4'	Sp		
pF,cL,pmE,gbM*16,r	5'X4'	SBc		
eF,pS,E15	1'X0.5'			
eF,vS,R	1.0'X0.5'			
eF,eS,*12 sf,1196 sf	0.5'X0.5'			
eF,vS,R,p1209	2'X1.5'			
eF,pS,E120,*10 sp 2.5'				
vF,sp of 2	1'X1'			
eF,vS,R,p1209	1'X0.5'			
pF,pS,iF,sbM	5'X3'	SBb		
eF,vS,R,p1209	0.5'X0.5'			
cB,pS,iR,smbM	2'X2'	E2		
eF,vS,R,p1209	0.5'X0.5'			
F,S,R,glbM	2'X1'			
pF,cL,iR,bM,nf of 2	0.5'X0.5'			
vF,pL,iF	3'X1'	Sc		
eF,vS,stellar nucl				
	6.0'	I 3m :b		16.0
cB,pS,vIE,r,S* nr	4'X3'	Sa		
*13 in vF neb				
F,cL,E	2'X1'	S		
pF,pS,IE,pB* close p				
(*13 in vF neb)				
vF,S,R,nf 1175	1'X1'			
eF,E45,r,sev * inv	1'X0.5'			
*13 inv in neb				
eF,S,2*4' nf				
vF,S,R,bMN,(neb?)	0.5'X0.5'			
	0.1'X0.1'			
eF,pS,E25,*9.5 3' sp				
F*W,neb appendages	3.3'	SBb		
F,cL,er	1.5'	II 3 m	40	14.0
eF,vS,vIE0				
neb *11	3'X1'			
eeF,pL,IE,D * np,between 2 *	4.9'X2.5'	Sm		
pF,pS,cE,sev vF * nr				
* 9.3 nebs,chiefly faint	4'X4'	E		
pB,S,IE80,lbM	1.5'X0.5'			
B,S,cE,psbM	2.5'X1.5'	E5		
pF,S,R,psbM	1.8'X1.3'			

Sheet1

F,S,pmE,gbM				
eF,vS,iR,gbMN	2.0'X1.8'			
pB,vS,R,mbMN=*9,10	3'X2.5'			
F,pS,iR,1208p	1'X0.5'			
eF,vS,R	1'X1'			
pF,S,R,glbM				
eF,S,stellar,3rd of 3	0.6'X0.2'			
cF,vS,R,psb in npp end	3'X2'			
eF,vS,E170,*S	1.2'X0.4'			
eF,eS,R,gbM,p of 2	1.5'X0.9'			
eF,eS,R,gbM,f of 2	2'X1'	SBbp		
*12 in eF neb	0.6'X0.4'			
pF,pS,R	1'X1'	Sa		
eF,vS,R,f of 2				
F,pL,R	1'X1'			
eF,S,R				
eF,S,R,gbMN,p of 2				
vF*in pF,S,R neb	1'X1'			
eF,IE,* close n,difficult	3'X2.5'			
eF,S,iR,* or st inv	1.4'X1.0'			
eF,pL,E(neb)				
pB,cL,R,gbM,r	8'X7'	Sc		
B,L,vmE80,vgbM	5'X3'	SBc		
	1.2'X0.3'			
	1'X1'	SBm		
pB,pL,R,bet 2 vF stars	45"X30"	4(2)	16.8	
Neb line at 60 degrees, susp	3.3'x0.6'			
Cl of 18 or 20 *				
vF,S,E170,(D*)				
vF,pS,R,1247 nf	0.5'X0.5'			
eF,stellar	1.1'X0.6'			
F,vS,R,bM	2.5'X2'			
vF,vS	1'X1'			
eF,vS,R	1.5'X1'	SO		
F,pL,R,vglbM,*9n	3'X2'	Sb		
vF,S	1'X1'	SBc		
F,vS,R				
eF,vS,R				
Cl,vS,st vF	1.6'	II 2 p	15	13.0
L,nC	23.0'	III 3 p	30	
F,pL,E80	4'X1'	Sb		
B,L,R,rr	6.9'	2		
F,vS,R,diff	2.5'X1'	Sb		
cF,S,IE,bM,*9 n 5'	1.5'X1'	SO		
vF,S,IE				
eF,vS,(vS st)				
F,pL,F* close p	4'X3'	Sc		
eF,pS,vIE,12'n of 1256	1.3'X0.9'			
F,S,E,alm stell,*8 np	1.1'X0.4'			

Sheet1

F	5'X2.5'			
*12 w neb f,90"long	5.2'X2.3'	SBc		
F,vS,stellar	0.8'X0.7'			
Cl,pL,Ri,C,iR,*12..15	10'	III 1 r	200	11.2
13"-pF,pL,nRi,nC; 12* and grainy back at 135X7.0'		I 2m :b		13.0
vB,R,gmbM				
vF,vS,R	2.5'X1'	SO		
eF,pS,iR,sbMN	1'X0.6'			
vF,S,IE,sbM	0.5'X0.5'			
vF,pS,*13 sp 2'	1.5'X1.0'			
13"-pB,pL,nRi,scatt,17* at 100X	15.0'	III 3 p n	25	
stellar neb	1.3'X0.2'			
F,pL,mE	2.8'X0.6'	Sa		
vF,S,R,vlbM				
	6.0'	III 1p :b		
vF,L,r,vglbM,cE ns	2.5'X2'	Sb		
vB,pL,R,mbM,er	10.5'X9'	SBa		
vF,S,R	1.5'X0.5'	SO		
eF,vS,2 * s	1'X1'			
pF,S	1.5'X1'			
eF,eS,R,4B * s	0.7'X0.5'			
vF,S,vlbM	1'X1'			
vF,vS,R,gbM,r	1'X1'			
F,pS,IE,vgbM,SD* nr	3'X2'	Sc		
pB,L,E,vgbM,r	8.5'X6.5'	SBd		
vF,vS,mbM	2'X1.5'	SO		
vF,vS,iR				
F,vS,R,stell	1'X1'	SO		
eF,S,IE,com	1'X1'	Sb		
vF,S,R,4*f	2'X1.5'			
eF,vS,R	1.1'X0.9'			
vF,S,R	1'X0.5'	E2		
vF,vS		SBO		
F,pS	2.5'X2'	E2		
F,S,R	2'X2'	SO		
vF,vS	1.5'X1.5'	SO		
eF,eS	1'X0.5'			
	30'	1		
cB,vL,vmE,psvmbM	6.5'X4.5'	SBb		
vF,vS	0.5'X0.5'	E3		
F,S	3.5'X2.5'	P		
vF,vS				
S,R,psvmbM,*9 np 1'	4.5'X4'	SBa		
pB,pS,R,bM	1.5'X1'	E2p		
vF,vS,np 1278	0.8'X0.3'	SOp		
eF,vS,gbMN,*10f3'				
vF,vS				
vF,S,vIE,gbM,er	1'X0.5'			
F,pL,mE37,gbM	3.0'X0.8'			

Sheet1

vF,S,*11p1'	0.5'X0.5'	E5		
vF,S,lbMN	1.5'X1'	E1		
F,pS,R,*13 sp	1'X1'	E1		
vF,S,vlbM	1'X0.5'	E1		
	2.5'X2.1'	S(B)m		
vF,mE 135	2.2'X0.4'			
vF,sev * inv	0.5'X0.4'			
eF,vS	1.3'X0.8'			
vF,pL,R,vgvlbM	2.5'X2'	Sc		
vF,vS,gbM,*10.5 f4'	1.1'X0.9'			
pB,pS,R,*16 att	1.5'X1'	E2		
vF,R,bM,np of 2	1'X1'	E0		
vF,R,bM,sf of 2	1.5'X1.5'	SO		
10X50-vB,vvL,scattered; 39*	185.0'	III 3 m	50	2.9
cB,cL,iR,gbM,*8 sp 4'	2.5'X2'	Sc		
eF,vS,R,*9.5 nf				
eF,S,iF,am 3 or 4 *	1.2'X0.9'			
*10 w eF,cL,E neb s	1.5'X1.4'			
vB,cL,vIE,vsymbMN	7'X5.5'	SBOp		
pB,pS,psbM	3'X3'	SBa		
F				
pB,S,R,gbM	2'X2'	SBO		
	3.0'	IV 2p :b		
F	1.5'X0.25'			
F,S,R,bM,p of 2	1.5'X1'	SO		
pS,vsymbMN	4'X3'			
F,mE239,com,*9.5 att	4.5'X2'			
eF,vS,3 vF st close (no neb)	1.0'X0.3'	SBb		
F,S,E pf,D or biN				
F,S,R,bM	2'X1'			
	2.5'X2.5'	SBb		
	2'X1'	Sa		
eF,eS,*13 sp 25"				
vF,vS,R,bM				
vF,pS,pmE	2.1'X0.8'			
	1.5'X1.5'	SBm		
	4'X1'	SBd		
vF,eS,R,bMN				
F,S,IE	1.8'X1.1'	Sc/Sd		
F,pS,R,glbM	1.4'X1.1'			
vB,S,E114,symbMN	4.5'X2'	E7		
vF,vS	1'X1'	E2		
vF,S,vIE,gbM	2.1'X1.5'			
	1.5'X1.1'	E3		
F,S,mE 140,*12ef	1.5'X1.5'	SBa		
eF,vL,mE ns	7'X2'	Sc		
13"-pB,pL,pRi,IC; 24* mags 10..13 at 100X	7.0'	IV 2 p	35	10.0

Sheet1

cB,pS,R,psbM,D* p	2.5'X2'	E2		
	11'X5'	R		
vB,pS,IE,psbM,(1344)				
cB,pL,iR,vgbM	4'X2.5'	E3		
	3.5'X1'	SBc		
vF,S,iR,lbM,r	1'X1'			
	46'	R		
F,L,*10 nf	9'X7'	R		9.5
vF st in vF,S neb				
vF,S,R,pslbM	1.5'X1'	Sp		
eF,pS,E130,sbMN	1.5'X1.3'			
eF,pL,lbM	2'X1'			
	54'	R		
eF,eS,R,bM,*13p	1.0'X0.7'			
vF,in vF,eS neb	1.1'X0.6'			
pB,pS,R,psbM	2'X1'	SO		
vF,pL,iR,gbM,* nr	1.4'X1.1'			
B,L,mE,vmbMRN	4.5'X2.5'	SBb		
	9.0'	IV 2p :b		
eeF,S,R,bet 2*	1'X1'			
eF,pslbM,diff,*8 sf	1.0'X0.7'			
Cl,vL,ab60*	14.0'	III 3 p	40	8.8
F,pL,R,spiral	2.5'X1.2'	SBb		
pB,cL,IE,mbM	3.5'X1.5'	Sb		
	160'	5 lr		
vF,S,IE,gIbM	2.2'X0.8'			
	5.0'	II 1p :b		15.0
	1.8'	12		
pF,S	2'X0.5'	SO		
pF,pL,R,lbM,*9 nf	2.5'X2'	Sa		
*8in B,L neb,E ns	360"X270"	3		11.0
vF,S,bet 2*	3'X2'	SBb		
vF,cL, spiral or annular	2.8'X2.3'	SB(rs)		
F,L,R,vglbM	2'X2'	Sb+p		
!!,vB,vL,mE,BN	10'X5.5'	SBb		
Cl,IRi,st L		II 2 p		
vF,S,R	1.2'X1.1'			
vF,S,iF,lbM	2.5'X1'	E6		
F	1.5'X1.4'			
eF,eS,gbMN	1.6'X1.4'			
vF				
vF,S,R,*7 sp 3.5',sp of 2				
vF,S,vIE,nf of 2				
vF,vS,R,lbM				
pB,pL,vIE,psbM	5.5'X4'	SBa		
eF,vS,p of 3	1.1'X0.9'			
vF,S,R,bet 2*14	1.5'X1.0'			
B,S,IE,pmbM,3rd of 3	2'X0.5'	SO		
vB,pL,IE,gmbM,2nd of 3	2'X2'	E0		

Sheet1

F				
B,pL,R,gpmbM	2'X2'	E0		
vB,L,R,psbM	5'X2'	SO		
F	3'X1'	SO		
F,S,R,gbM	1.8'X0.9'			
	3'X1'	Sb		
vF,pS,R				
F	3.5'X1.5'	Sa		
vF,vS,R,glbM				
		SO		
F	1.5'X1.3'			
vB,pL,R,gmbM	2.5'X2'	SO		
eF,pL,iR,bM,r	2'X2'	Sc		
F	2'X1.5'	E4		
pB,pS,R,gpmbM	3'X2'	Sc		
pF,S,R,psmbM	1.9'X0.9'			
F,vS,iR,gbM,D*vnr	2.5'X2'	SBbp		
vF,pS,E260	1.4'X0.5'			
F	1.0'X0.9'	SAB0		
vF,vS,R,lbM				
B,pS,E,psmbM	1'X2.5'	E3		
vB,pL,psbM,rr	3'X3'	E1p		
F,S,R,glbM	2'X1'	SO		
B,pS,R,smbM	2.3'X1.7'	SO		
eF,S,R,gbMN	1.1'X0.5'			
cB,cL,R,vmbM	6.5'X5'	SBb		
vB,pL,R,psmbM	2.5'X2.5'	E1		
vF,vS,E170,sbMN	1.5'X0.5'	SO		
neb * 13	0.8'X0.4'			
vF,eS,neb *	1.3'X1.0'			
13"-F,pL,nRi,C,10* at 165X	12.0'	ll 3 p	50	14.0
eF,vS,R	0.8'X0.6'			
cB,pS,R,psmbM	2'X2'	E1		
vF,vS,R	3'X1'	SO		
F				
F,cL,vmE,vglbM,*7 np	4'X1'	Sb		
vF,vS,IE	1.6'X1.3'			
	2.3'X1.5'			
vB,L,R,svmbMN	2.5'X2.5'	EO		
eF,pL,mE150,glbM,F st inv	1'X0.5'			
eF,vS,R,lbM				
F,S,E,gbM,* sf 2'	1.9'X0.8'	SAB0		
pF,pS,R,psbM	1.1'X1.1'			
eF,pS,mE0,bMN	1.4'X0.3'			
pB,S,IE,pglbM,* sf	3.5'X2'	Sb		
eF,S,R,*8.6 n2'	1.5'X1.5'	E1		
eF,stellar or IE;Seyfert?	1'X1'	SBOp		
makes Dneb w 1409,pos 0	1.2'X1.2'	E1p		
eF,pS,E80	2'X1'	SBp		

Sheet1

	4"		15.8
pF,pL,IE,lbM,* sf	3'X2'	Sb	
vB,L,pmE,vsymbM*10	7'X6'	SBa	
F,pL,iR,gbM	5.5'X2.5'	Sb	
vF,S,E,*11 sf 1'	1.5'X1'	SBb	
pF,S,R,psmbM	3'X2'	E3	
F	2'X1'	SO	
eeF,S,R,v diffic	1'X0.5'		
F,cL,mE 0,r	2.5'X1'	Sb	
F,vS,*13p			
pF,S,IE,bM	2'X1.5'	E2	
vF,*10,11 np	2'X1'	SBd	
vB,pmE,pgbM			
eF,S,E20,sbMN			
F,vL,R,glbM	3'X2'	SBa	
	100'	5 lr	
eF,vS,E0,gbMN,f of 2			
eF,S,R,*8.5f 25,n 3'			
pB,vL,vgbM	10'X10'	IV 2 p n	20 8.5
pB,L,vmE222	8'X2'	Sc	
pF,pL,eE42,vgpmbM			
pF,pS,iR,glbM,* 7 f	2.3'		
eF,pL,iR	1'X1'		
	16'X16'	R	
F,pS,gpmbM	2.5'X2'	E1	
	20'X16'	R	
vF,S,R,*9 np 2'			
pB,pS,R,smbM*13	2.5'X2'	SBa	
pB,vS,bM,(=1440)			
	21'X21'	R	
pB,S,*13 mag invl sf	2.5'X1.9'	Pec	
F,R,lbM,hazy *	2'X1.5'	SBa	
eF,mE,N,*10 f1'	2.0'X0.9'		
vF,S,IE,*12 f	1.5'X0.5'	SBd	
eF,pS,R,(D,dist 0.4')			
vF,nf 1441			
eF,vL,diff (Maia in Pleiades)	30'X30'	R	
vF,S,R,*7.8 f 3'			
	15'X15'	R	
eF,f 1441			
vF,vS,vIE	1'X1'	SO	
vF,eS,R,(*),*9.5 sp 3'			
vF,vS,IE	0.7'X0.3'	SO	
vF,S,IE30,sbMN			
F,S,R,* att	1.7'X1.4'		
vF,vL,diff,(Merope in Pleiades)	30'X30'	R	4.2
cF,S,R,glbM,am 7B*	1.4'X1.2'		

Sheet1

eF,vS,E 165 deg,dist 36" from Merope		R?		
pB,S,R,*17 m	2'X1.5'	E2		
F,vL,R,vsBN	17.8'X17.4'	S(B)c		
vvB,vL,brilliant naked eye cluster,neb inv nonexistent	100'	I 3 r n	100	2.9
eF,pS,gbM	1.7'X1.1'			
cF,pL,R,gvlbM	1.5'X0.8'			
	27'X27'	R		
9 mag * p	8"X6"	2a		15.0
	17.0'	III 2 m	60	11.6
	22'X9'	5 E G		
D*10-12,comp nebulous at 130,9"				
pB,S,IE,mbMN	3.5'X1'	Sa		
	4.4'X2.0'	S(B)c		
cB,L,eE 80 deg,vmbM	4.1'X0.8'	SB		
	11'X11'	R		
	10'X10'	R		
Cl of ab 30*12...14	4.0'	IV 1 p		6.8
	9'	R		
vF,S,vIE	0.9'X0.5'			
* 6 mag in eF, eeL nebula	2.0'X2.0'	EN		
pF,S,R,2* nr				
	84"X66"	2		17.8
eF,vS,R,*9 s 4'	0.5'X0.5'			
cF,S,E90,gbM	1.4'X0.6'			
!vF,vS,stell Nuc,elliptical ring	2.6'X1.6'	SB		
vF,vS,R,bM	0.4'X0.2'			
eF,S,E0	1.3'X0.3'			15.7
cF,pL,R,vglbM	1.6'X1.3'			
vF,vS,E45				
	5.0'	IV 1p :b		
	38"	4		17.1
pB,S,vIE,pmbM	1.3'X1.1'			
pF,pS,R,pB* nr p	2'X0.5'			
vF,eS,stell n,1st of 3				
eF,vS,2nd of 3				
eF,eS,R,*14 np 4'				
eF,vS,3rd of 3				
pB,S,R,* nr nf,D* sp	2.3'X2.1'			
vF,S,R				
vF,L,E,vglbM	2.5'X0.6'			
eF,S,E,p of 2				
eF,S,R,2B*F,p of 2	1.0'X0.7'			
eF,S,iR,F of 2 *,*10 f 30				
F,S,vIE,2*10 nr,f of 2	1.5'X1'	Sa		
vF,eeL,v dif	180'	R?		
	1.7'			
pB,pL,R,gbM,2* triangle	2'X1.5'	P		
	100'	E		

Sheet1

eF,vS,R	0.9'X0.5'			
pB,eS,IE ns,*13 n 4",*12 sp 18"	7"	2		15.3
eF,pS,R,*10 np	0.9'X0.7'			
F,cL,R,vglbM	2.5'X2.5'	SBc		
Cl,pL,IRi,st9-10	3'X2'			
eF,pS,E190	1.4'X0.6'			
F,L,R,vgvlbM,3*n	2.5'X2'	Sd		
eF,S,IE90,vgvlbM	3.0'X0.5'			
*12 inv in neb				
vF,vS,R	1.0'X0.7'			
F,vS,R,pmbM,*8 np	1.1'X0.9'			
pB,pS,mE121,gbM	3.5'X1'	Scp		
	5.0'	I 2r :b		16.0
	1.7'X0.4'			
eeeF,S,R,bet 2*12&13	1.2'X0.9'			
vF,vS,R,B* nr	2'X1'	SO		
Cl,S,C				
	1.7'X0.3'			
eF,vS,iR,mbM	2'X1'			
eF,S,R,gbM	0.5'X0.5'			
eF,S,R,gbM				
vF,vL,mE ns,dif	145'X40'	E		
vB,S,iF,bM,r,* inv	3'X3'	E		
F,pL,R,vgmbM	1'X1'	EOp		
	1.0'X0.9'			
B,cL,R,bM	4'X3'	SBa		
B,L,vmE10,bM	5.5'X1.5'	SBb		
vF,vS,IE,F* nr p	0.8'X0.6'			
vF,pL,mE,vlbM,er	3.5'X1'	SBm		
Cl,segment of a ring	6.0'	II 1 p	10	12.0
eF,pS,R	2.5'X1'	Sb		
eF,vS,R,glbM	0.8'X0.5'			
vF,vS,R,bM,r				
eF,vS,R,vlbM	1.2'X0.8'			
only 3 vF * (not a nebula)				
	12.0'	IV 2 p	18	
B,L,pmE,gbM,*8 sp	3'X1.5'	Scp		
pB,pS,vIE,1'Diam	56"X48"	3		13.4
vF,S,R,gbM	1.2'X0.3'			
Cl,pRi,cC,iF	8.0'	II 3 p	45	6.9
pF,pL,BM,* 8.5 4' north	5.2'X4.1'	Sbp		
vF,S,IE,vS* inv	2'X0.5'	Sc		
eeF,S,E,psmbM,er	0.5'X0.5'			
	0.5'X0.5'			
pB,pS,E77,vsmbMRN	3.5'X1.5'	SO		
pB,R,bM	2.8'X1.7'	E3		
F,S,R,vS*3,4D sf	1.7'X0.8'			
F,vS,R	1.2'X0.9'	E0/S0		
*9 in neb 3'Diam	120"X90"	3(2)		9.4

Sheet1

vF,vS,R,r,*9,10 sf	1'X1'				
vB,vL,R,smbM,2*10 nf	3'X2.5'	SBO			
Cl,L,vRi,pC,st vL	9.0'	II 1 m	50	11.2	
eF,pS,R,gbM,D neb with 1525					
eF,pS,R,gbM,at 340,0'5 from 1524					
vF,R,pL,vlbM	2'X2'				
pB,pL,R,bM,np of 2	1.5'X1'	E6			
B,vL,vmE32,psmbM	5.5'X2'	Sb			
B,pL,E,smbMN=*11	4'X2'	SbO			
vF,eeL,v dif	180'	E			
	12"X11"	3			
Cl,vIC,appx 20 sc *					
	11'	R			
vB,pS,IE,psvmbM	3.9'X2.6'	E4			
vB,S,R,pS,vsbM,r	20"X17"	4(2c)		12.3	
pB,IE,gbMEN,**p	3'X1.5'	SO			
eF,vS,R,gbM					
Cl,B,vRi,cC	24.0'	II 2 m	40	8.8	
vF,vS,E,gvlbM,r					
B,pS,R	4'X3'	EO			
vB,pS,R,gmbM,am 3*;a Dneb	4'X3'	SO			
F,pL,R,bM	1.9'X1.5'	E			
vF,S	1.5'X0.5'				
vF,S,E	1.5'X0.5'				
pF,pS,iR,(Cl or neb w*)	1.3'X0.6'	SBb pec			
vB,vL,mE,vgpmbM,*14 att n	3.5'X2'				
cF,S,E165,vglbM	1.7'X0.5'	SBc			
vF,vS,gbM					
S,F,comet-shaped,12 mag * at south tip	15'X10'	R			
	150'	5 lr			
F,L,neby?	6.0'	II 1 r	60	14.6	
pF,S,E,gbM	2.5'X1.0'				
F,vS,R,probably 1550					
vF,S,R,*13 nr	2'X2'				
		III 1pn:b			
	180"	3b		13.9	
B,vL,vg,svmbM,15d in RA	8'X6'	SBb			
cF,pS,IE,vgbM,*11 sp	2'X1.5'				
13"-pF,pS,nRi,C 8* with fuzzy backrnd at 165X	6.0'	II 3 m	35	11.8	
Cl,pRi,IC,st L	18.0'	II 2 p	20	7.1	
Cl,vL,IRi,IC,*10..12		IV 1 p			
F,S,R,bM					
vF,eS,R,glbM					
pB,S,R,pgbM,2S* sf	2'X2'	SO			
	20'X10'	4 lr			
F,S,R,gbM					
vF,S,R,gbM,** nf	2.0'X1.5'				
pF,S,R,*13 nf 1'	2.5'X1.2'				
eF,vS,R,lbM,P w NGC 1564	0.8'X0.4'				

Sheet1

var,S,R,Nn=*13,!!!		IrAF		
vF,S,variable,!!!	30"			
eF,vS,R,lbM,P w NGC 1563				
vF,vS,IE170,glbM,*8p 6"	0.5'X0.5'			
eF,pS,IE	1'X1'			
pB,L	5'X3'	SBb		
pF,S,R,bM	1.2'X1.1'			
eF,vS,R,nearly bet 2*	2'X1.5'			
F,S,E,glbM	1.8'X0.7'			
	1.0'			
	<10"			
eF,bM,bet 2*	1.1'X0.6'			
vF,pL,R,lbM,* nr s				
vF,pS,R,*9.5S2'				
vvB,vvL,irr	330'	II 3 m	40	3.4
	5'X2'	R		
	10'X6'	R		
	25'X35'	6 Ir		
pF,S,R,gbM,*12 288	1.1'X0.7'			
B,pL,mE15,smbM,p of 2	3.7'X1.0'	SO		
eF,pL,IE,f of 2	1.9'X1.1'			
F,eS,R,sbMN	0.8'X0.7'			
vF,vS,R,r				
	10.0'	IV 1p :b		
F,vS,R,sbMN				
vF,S,R,bM				
F,S,R,bM				
vF,pL,R,glbM				
pF,pS,R,gbM	1.2'X0.8'			
vF,vS	1.4'X0.7'	Pec		
	24'	5 Ir		
pB,vL,iR,mbM,*8 2' nf	12'X8'	pB 4 B		
F,pS,R,r,p of Dneb	2'X2'	E1p		
vF,iF,vlbM,bet **&*14	2'X1'			
F,vS,R,r,f of Dneb	1.5'X1'	E1p		
F,pL,IE132,*42,80"	3.5'X1'	Sb		
vF,pS	1.8'X1.3'			
pB,S,IE,BNM,*9.5n1'	3.5'X2'	Irp		
F,S,*12 nf	1'X1'	P		
eF,vS,R,gbM	0.8'X0.5'			
vF,vS,R,vlbM	1'X1'	Sb		
pB,pL,R,gmbM	1'	E2		
vF,vS	0.6'X0.3'	SO		
vF,vS	0.8'X0.5'			
B,L,mE106,vg,vsmbMN 5"	4.5'X2.5'	SBa		
vF				
pF,cS,*12 2'n	1.6'X0.6'			
eF	0.4'X0.4'			
eF,S,R,bet *&D*				

Sheet1

Cl,vL,pRi,IC,st L	37.0'	IV 2 p	20	09.0
F,S,R,lbM				
vF,eS,*17 45"n	1.1'X0.7'			
F,S,E,vglbM	1.8'X0.9'			
vF,L,E,*9.3 sp	10'X1.7'	Sd		
	600'	6 lr		
eF,S,E90	1.9'X0.6'			
vF,vS,R,gmbM	1.2'X1.0'			
	1.0'X0.7'	S0		
F,vS,R,mbM	1.0'X0.8'			
pF,S,R,lbM	1.5'X1'	SBcp		
eF,vS,R,bMN				
Cl,vF,pS,C,st eS	5.0'	III 1 m	40	12.5
vF,S,*9.5f	2'X1'	E3		15.5
eF,vS,R,gbMN				
vF,vS,R,lbM,vS* inv	1.5'X1'	SO		
Cl,pL,pRi,pmC,*11...16				
F,S,iF,lbM,2* sf	3'X1'	SBd		
eeF,S,R;nonexistent?				
eF,S,R,lbM	1.3'X0.8'			
vF,S,*20p5*,1618p	4'X1'	SBd		
vF,pL,mE140,B** nf	3'X1'	Sb		
vF,E141,sbM,F* att np	2.5'X1'	SBb		
eF,vS,R,*8 np				
	20"			17.5
eF,eS,R	0.7'X0.5'			
vF,pS,mE ns,n of 2	1.8'X0.4'			
eF,pL,R,2* sf,s of 2	1.6'X1.5'			
pF,L,vIE,vglbM				
F,S,R,gbM				
vF,S,R,glbM				
F,pS,R,gbM				
vF,S	1.4'X0.9'			
	7.0'	III 1m:b		15.0
eF,vS,R				
eF,vS,f of Dneb	0.5'X0.5'			
eF,S,R,*8 sp,p of Dneb	1'X1'			
S,F,in hole of eL neby	4'X4'	R		
F,S,R,bM,*11 nf 12S	1.5'X1.5'	SBa		
F,cL,iF,6or7*+ neb	1.9'	II 1 p n:b	12	11.8
	1.3'X1.1'	S(B)0		
vF,pS,R,vgbM,r,* nf 1'	1'X0.5'			
eF,vS,R,bet 2*				
cB,L,R,vgbM	3.5'X3'	Sc		
F,pL,IE	2.5'X2'	E2		
vF,pS,E40,gbM	3'X2'	SBd		
vF,S,att to*10				
F,R,cometary,tri w 2 * superimposed	2'X2'	Sc		
	12"			17.0

Sheet1

eF,S,R	0.7'X0.4'			
eF,vS,iR,bM	1.1'X1.1'			
vF,pL,iR,r				
vF,pS,R,1643 np	2.3'X1.0'			
F,pS,pmE,glbM	1.4'X0.5'			
vF,S,IE,glbM	1.0'X0.5'			
F,vS,iR,bM,*7 np	0.5'X0.5'			
F,S,bM,*12 np	2.4'X1.3'	S(B)b		
	12.0'	IV 2 p	60	13.7
eeF,pS,v diffic,1646 sp	0.5'X0.5'			
pF,L,iR,vsbM,r				
vF,pS,E0,bMN	0.5'X0.5'			
	6.0'	II 1m:b		16.0
B,L,smbMN	5'X4'	SBb		
L,stell N in F neb E npsf	1.5'X1.0'			
F,S,R,lbM,(r),p of 2	1'X1'	S		
F,cS,R,lbM	1.5'X1.5'	E0		
Cl,vL,st L,sC	45'	II 2 m	200	8.6
	1.9'	9		
eF,R,att to*14	1.6'X0.9'			
fainter,larger than 1654	1.5'X1'			
	4.2'X1.0'	Sb		
pF,pS,ie90,bM	1.5'X1.5'	Sc		
13"-pF,pS,nC,nRi at 100X; 2* 10m and 12* 12	3.0'	IV 2 p	15	9.9
pB,R,gbM,*10s				
vF,vS,bM	2'X1.5'			
F,S,R				
F,S,R				
	2.1'X1.1'	SB+		
vF,E,vlbM				
eF,pL,R,lbM	1.7'X1.1'			
	14'	R		
vF,pS,R	1.5'X1'	SBO		
pB,pL,iR,pgmbM	2.5'X2'	SBc		
Cl OF L&S sc st	20.0'	I 2 p	35	8.3
Cl,IRi,st L&S		IV 2 p		
pF,pS,R,(r)	1.5'X1.5'	Sb		
vF,S,R,r or * inv				
pB,L,R,rr				
Cl,vF,S				
pB,pS,R,glbM				
F,pS,IE,r				
vF,vS	2.1'X1.0'			
vB,L,iR,4*1nv	2.7'X2.0'			
pF,pS,R				
B,S,iR,rrr,st 14				
pF,pL,IE	1.0'X0.4'			
Cl,IRi,IC,pL	18'	III 1 p		10.6

Sheet1

vF,S,R,vglbM	1.3'X0.5'		
Cl,pB,S			
vF,S	1.1'X0.8'		
vF,S,R,vlbM	1.3'X1.1'		
vF,S,R,sbM,2* nr,nf of 2			
vB,S,E or biN,bM,sp 2			
F,pS,R,vglbM			
Cl,pB,pS,pmE,st12			
Cl,pF,S,R,2nd of 3			
vF,R			
vF,vS,1684f 12",*9 s 4'.5			
First of 2,F neb in same field			
Second of 2 F neb in same field			
pF,pS,R,bM,*9 225	2.5'X1.7'		
F,pS,R,vglbM			
F	1.3'X0.9'		
eF,vS,mE30	1.5'X0.25'		
F,L,R,vglbM,** att	3.0'X2.6'		
S,R,close ** in M			
B,R,r			
pB,L,R,gmbM			
Cl,pL,IRi,IC,st10...15			
pB,pS,IE			
eF,pS,R,gbM			
pF,pS,R,2* att			
B,pL,R,gbM,r,2nd of 4	15"		
eF,pL,iR			
vF,vS,am vS st,L* sp	1'X1'		
pF,S,R,pmbM	2'X1.5'	SOp	
vF,S,1st of 4			
F,S,3rd of 4			
pB,vS,R,4th of 4			
F,S,R,*13 att 135			
F,S,*11 inv	2'X2'		
vF,R,p of 2			
vF,S,R			
eF,vS,R	1.3'X1.2'		
Cl,pS,IRi,st vS			
vB,pL,R,gbM,f of 2	2.0'		
	20'	6 lr	
vF,vS,R,sbM			
	9'	R	
F,S,vIE,glbM,*10 sf	1.2'X0.9'		
cF,S,gbM			
eF,E,**9 att f			
vF,S,R			
no descr in LMC			
	7.0'	III 1p :b	15.0
Cl,L,mC,**9M			

Sheet1

vF,S,3vS* inv				
F,S,R,gbM				
pB,pS,iR,rr				
vB,vL,vimE	25'X20'	E		
eF,pL,iR				
eeF,pS,R,bet 2*,1700	1'X1'	Sb		
cB,S,mbM*	3'X2'	E1		
	18.0'	III 2 m	50	
Cl+ neb,pL,pRi,*11...18				
vF,vS,R,bMN,*13 inv	1.3'X1.0'			
F,S,R	1.7'X1.7'	Sc		
pB,S,R,pmbM,rr				
B,L,iR,vsmbM				
B,S,R,smbM,**+ neb				
vF,pS,R,vglbM				
F,S,R,bMN,F D* sf	2.1'X1.4'	S pec		
pF,pL,iR,2 or 3 B st nr				
pF,pL,R,glbM	1.4'X1.1'			
cF,S,R,glbM	1.2'X1.0'			
vF,S,R,gbM				
no descr in LMC				
vF,vS,1713 np	1'X1'			
S,R,rrr				
F,S,R,bM	2'X2'			
vF,mE,glbM,*7,8 np	1.9'X0.5'			
cB,L,R,vgpmbM,r				
eF,S,R				
Cl,vL,pRi				
vB,pS,IE,vsmbM,* 9	1.2'	2		
In. Reg. Vry Blk	0.4'X0.4'			
np 1719,(F*)				
vF,vS,R	1.5'X0.5'			
pF,pL,lbM,1726 nr	2'X1'	SBb		
F,bet 2*9,10n&s,3rd*f	4'X2.5'	Sb		
eF,vS,R	0.5'X0.5'			
F,S,R,glbM				
vF,vS,R	2'X0.5'			
F,pS,IE,bet 2 f *	3'X1.5'	S		
F,pL,IE				
pF,S,iR,pslbM	1'X0.5'			
F,R,*13,s	1.5'X1'	E2		
F,vL,vmE,vglbM	7'X4'	SBc		
vF,pL,2b*vnr	1.6'X1.3'			
F,pL,R,vglbM,p of 2				
vF,pL,vglbM	1.4'X1.3'			
F,S,R,bM				
	9.0'	III 1m:b	16.0	
vF,vS,3.6"f 1740				
vF,vS,vS excent pt inv	1'X1'	SBm		

Sheet1

vF,S,E45	1.3'X0.7'			
eF,vS,IE,in field w 1738	1.4'X0.7'			
eF,vS,*12 sp	1.5'X1.2'			
pB,L,gbM				
pF,S,R,gbM,2nd of 2	3.2'X0.8'			
F,pL,pmE,2 or 3 * 11 nf	2.5'X1'	SBc		
B,vS,vsmB,st+ neb				
F,vS,R,vlbM,am st				
eeF,pS,R,sf 1740	1.4'X0.6'			
Cl,vL,pRi,IC,st L&S				
vF,VS	2'X1'			
vL dif neb in zigzags??				
vF,S,R,r				
pF,pS,pmE,vglbM	2'X1'	SBb		
cF,S,R,lbM,globular culster f				
	9.0'	I 2m :b		15.0
	871"X670"	3a		15.4
Cl,vS,(st+ neb)				
Cl,pF,L,iF,*12...15				
vF,vS	2'X1'			
Cl,P	42'	III 1 p	20	08.0
vF,R,s of 2 in Cl				
vF,R,2nd neb in Cl	16'	III 1 m	60	11.2
Cl,pL,Ri,C,iF				
Cl,st L,vc sc				08.0
no description				
F,S,R,1st of 3				
vB,pL,R,vmC,rr	2.5'			
vF,pL,1st of sev				
Cl,pC,st L & S		IV 1 p		
F,pS,R,2nd of 3	18.0'	IV 1 p		
F,pL,R,r				
Cl,L,Ri,st sC				
vF,S,p of 2				
vB,vL,mE314,glbM,rr	4'X2'	Sb		
	1.7'X0.5'			
cB,S,R,gmbM,3rd of 3	1.2'	3		
pB,S,R,gpmbM	2.5'X1.5'	SBa		
st+ neb,1st of sev				
B,eS,iE				
vF,S,f of 2				
F,S,R,vglbM,*11 sf;neb				
vF,S,R	11"X8"	2(4)		13.5
pB,pL,vIE,vgbM,am st	4'X3'	SBc		
Cl,L,vIC				
st+ neb,pB,iF,2nd of several				
B,L,R,glbM,r	10'	6 C		

Sheet1

Cl,vICM,st9,11...16				
eF,eS,gbM	0.9'X0.5'			
pB,pmE,gpmbM,*13f	1.5'X1'	E6		
F,R,bM,r				
	10'X8'	5		
	60"	2b		19.6
B,L,E,stellar				
B,cL,R,bM,***;* 10 inv in the neby	8'X5'	R		
F,eL,iF,NGC 1779 inv s	180'X40'	R		
vF,pL,vmE162	3.2'X0.9'			
B,S,IE,**in M				
vF,r,p of 2				
pF,pL,R,gbM,f of 2				
Cl,vIC,st9...				
pB,cL,R,vglbM,r				
vF,vS,vIE	1.1'X0.6'			
eeF,S,R,vf * np	0.6'X0.5'			
B,L,E,psbM	7'X4'	SBa		
vF,eS,gbM	1.3'X1.1'			
	1.1'X0.3'			
13"-pF,pL,R,nBM at 165X, 3* invol	132"	3		18.2
Cl,pC,IRi,iF,st L	7'	III 2 p	25	10.1
	1.5'	II 2m :b		14.0
vB,L,IE,vmCM,rr,!	3.4'	n		
cF,S,IE,p of 2	1.7'X0.4'			
F,S,R,glbM,f of 2	1.2'X0.9'			
F,pL,R,vglbM				
cB,S,R,gbM,2nd of 3				
vF,S,IE,glbM				
Cl,vB,L,R,st 12				
B,pL,R,gbM,12" diam RA				
B,L,IE,biN,CL+ neb				
vF,vmE,long ray,*11 inv	3.0'X0.7'			
eF,pL,R,glbM				
Cl,st c sc				
F,pL,R,vgbM				
Cl,pRi,st L & S	17'	II 2 p	20	8.6
Cl,group of 8 or 9 st 10				
F,S,R,vgbM,*7 nf 6'				
vB,vS,R,r or stellar				
S,Cl or Cl+ neb	5'	I 1 m :b		13.0
vF,S,R	2'X1'			
vF,vS,IE	1'X1'			
Cl,L,Ri,IC,st11...14	16.0'	III 1 m	60	11.2
pB,iR,mbM,C* nf 1'	3'X2'	Sc		
pF,L,iR,vgbM,r				
vF,pL,R,vglbM				
F,S,mE45,vglbM,* nf				
F,pS,iR,bM,r or stell				

Sheet1

vF,IE,gvlbM,r				
B,S,R,glbM				
pB,R,gbM,1st of group				
vF,**p				
neb and Cl,biN				
pB,iR,biN,2nd in group				
vF,3rd if group in Cl				
vB,L,R,vgmbM,r	5.1'			
eF,pL,R				
4th of group in Cl				
Cl,3rd of sev				
Cl,IRi,2nd of several				
Cl,L,pRi,st sc				
vF,S,R,glbM				
!vB,vL,R,vsvbM,rrr	11'	2		
F,S,R,lbM	1.5'X1'			
pB,pL,R,vglbM				
	12.0'	III 2 p n	10	
pB,vS,R,bM				
pF,R,vgvlbM,r				
F,pL,R,sbM,r,st inv				
vF,vS,R,*p25"				
eF,pL				
* 6.7 w pB,vL neb	30'X19'	R+E		
	2.37	1		
F,pS,R				
pF,pL,R,gvlbM				
cF,pL,E90,vglbM	2.9'X0.8'			
	70'X10'	E		
vB,S,R,gmbM				
eF,S,R				
B,S,R,vgvmbM,r				
F,L,IE				
	1.9'X0.9'	Sm		
F,pS,R,vglbM,3*10p				
Cl,bM,IRi,st7...		III 3 m :		
In. Reg. Comp. Blk	1'X1'			
pB,pL,R,pmbM,rr				
Cl,L,pRi,iR,st11..16	0.9'			
	15'	R		
eF	32"	2	16.2	
F,S,R,r				
no description in LMC				
F,pL,IE,vgvlbM,*7 np				
vF,L,R,vglbM				
no descr in LMC				
F,R,gbM,am st				
vF,pS,IE,r				
vF,L,R,vgvlbM,*12p	2.5'X1.7'			

Sheet1

eF,pL no descr in LMC vF,hazy * inv in nebula Cl,eF,L,iR,mC,rr	1.9'X0.8'			
	18.0'	II 2 r	12	
Cl,pRi,pC,st7...	6'	II 2 m	40	7.4
	40'X30'	E+R		5.7
pB,pL,iR,r,in dif neb				
	14.0'	III 1 r	100	16.0
pB,pL,R,vgbM pF,pL,R,gbM vF,pS,R Cl,L,sC,** taken pB,pS,R,glbM,P w 1939,pos 339 F,S,R,glbM,P w 1938 F,p of group vF,pL,E240,*9 p 11",0' 9 s eF,S,R	20'X15'	E		
	3.1'X0.4'			
	1.6'X0.4'	SO		
	39'X30'	R		
Cl,vIRi,iC,st10 2nd neb of group pF,S,R,3rd of group pB,pL,R,bM				
	120.0'	IV 3 p	50	
pB,S,R,4th of group				
	20.0'	II 1 r	300	16.0
pB,S,R,smbM,P w 1933,pos 260,80" vF,pL, follows a group				
	12.0'	IV 2 p		
	28.0'	IV 3 p		
eF,R,stellar,P w NGC 1932 vF,S,IE,bM,2*9 nf Dif,many st inv pB,pL,R,r makes a close Dneb w 1888 pB,vS,R,bM,2*9&10 f Cl,L,Ri,IC pF,pS,iR,vglbM,*15 at 191,60"	40'X30'	E		
	3'X1'	SBcp		
	0.8'X0.7'	E0		
	11'	II 2 m n	60	9.3
	14.0'	III 3 r		15.0
vS,neb +st eB,eeL,mBM,mE,rrr	550'X170'	SBm		
	24.0'	IV 1 p		
	12.0'		12	
	7.0'	IV 2 p	40	14.7
	12.0'	IV 2 p n	15	
pL,eRi,eC,rrr 1st of a group of 7 eF,pS,E0,glbM eF,stell,*14+ neb	8.7'	5		
	0.7'X0.4'			

Sheet1

pF,R,gbM,r pB,S,R,psbM Cl,vL,Ri,vIC,st9..12 eeeF,vvL,irr diff pB,S,R,glbM Cl,cL,Ri,st 13 F,pL,iR,vgbM,2nd of group! In. Reg. Vry Blk	5.0'	II 2m :b		14.0
v diffuse neb susp F,vL,vgbM,3rd of group Cl,vF,pRi,pC,iF eL,strongly susp pF,S,R,bM,4B*p B,IE,sbM**10 & 11	0.8'X0.8' 12.0'	IV 3 m	40	15.0
Cl,Ri,2nd of several pB,L,R,glbM,*9 np vF,pL,R,1st of 4 F,S,2nf of 4 pB,R,pslbM,3rd of 4,in pL,irr Cl 4th of 4 no descr in LMC F,S,4th of grp of 7 6th of 7,D,a vS neb np 5th of grp of 7	2.5'	II 1 p	30	14.0
Cl,Ri,3rd of several F,L,iR,3*p	1.9'X1.2'			
F,pL,R,vlbM vS,B Cl,vL,pRi,iF Cl,place of ** B,pL,R,gbM	220.0'	II 3 p		
vF,pL,iR,st nr Cl,L,irR Cl,pRi,pC,R,st9...12 vL,dif,* 6 inv Cl,eS,st11...16	3'X2.5' 13'X12'	SOp E		
vB,vL,IE,vgpmbM Cl,B,vL,vRi,iF,st L & S diffuse nebulosity	9.0' 20'X20'	IV 1 mn:b E		
Cl,4th of sev	20'X3' 12.0'	E IV 2 p		
	14"X11"	4		11.0
	5.0'	I 2 p n	40	09.0
	1.6'X1.2'			
	7.0'	II 1 m n	30	11.3
	13'X10'	E		
	12.0'	IV 1 p	10	
	2.7'	5		
	21'	III 2 m	100	9.5
	40"X34"	4		20.8

Sheet1

Cl,st 13m	80'X55'	5	lr	
no description,in LMC				
vB,S,R,** + neb in vLCl				
eF,cS,R				
B,pL,pRi,C,st 12				
F,cL,R,vglbM				
B,S,stellar,r				
pB,pL,R,pglbM,*10 p inv	25'			
pF,pS,R,glbM,in Cl				
Cl,eL,vRi,vBvSNM				
vB,L,R,B***in M	3'X3'	I 3 p n:b		11.5
F,vL,iR,gbM				
B,pL,gbM	34"	3		19.5
Cl,vL,Ri,vIC				
vB,S,R,psmbM				
Cl,st8...11	6'X2.5'			
Cl,pL,pC,iF,st9...15				
eeF,R,bM,difficult,p of 2				
vF,S,R,smbM	4'X2'			
eF,pS,R,bMN,*15 inv	300'	5	lr	
F,vL,vIE,vglbM				
vB,vS,IE,gmbM,r				
F,L,R,vsvmbM,*12,3 st inv	5.6'X2.1'	Sb		
eeF,R,bM,diffic,p of 2	3.0'	II 2p :b		15.0
vF,L oval ring	6'X4'	R		
vF,S,R,in pLCl	15.0'	IV 2 p	10	
vF				
Globular,B,pL,R,gbM,rr				
vF,vS,stellar	2.2'X1.8'			
vF,pL,R,gbM				
vB,vL,E135,vglbM,r	6'X4'	E		
vF,S,R,lbM,st nr	1.4'X1.1'			
eeF,vS	1.0'X0.7'			
Cl,in LMC				
pB,S,R,gbM,*9 np 5'				
Cl,in LMC	270'	E		
eF,pL,R	1.7'X0.6'			
	65.0'	II 3 p n	20	
*8,9 inv in neb	5'X5'	E+R		
eF,pL,R,vlbM	1.5'X0.7'			
Cl,vL,Ri,st 9...11				
Cl,vB,IRi,st L,sc	25.0'	III 2 p n	20	6.3
vF,vvL,44 Ori invl	14'X14'	III 3 m n:		

Sheet1

vF,L,pmE				
B** inv in neb	10'X5'	E+R		
!!!,Theta Orionis and the great nebula M42	66'X60'	E+R		
B,L,E,2nd of 3				
B,L,R,bM,3rd of 3				
vF,R,gbM,1st of 7				
42 Orionis neb	20'X10'	E+R		
pB,L,iR,gbM,1st of 3				
pB,pL,R,gbM,in cLCl				
!,vB,vL,R w tail,mbM*8	20'X15'	E+R		
eF,vS,stellar	1.5'X1.4'			
F,S,IE,2nd of 7				
Cl,vL,Ri				
Cl,vL,Ri,st12...15				
	28.0'	IV 1 p	15	
Cl,in LMC				
	150'	II 3 m n	100	1.7
Cl,B,vL,vRi,IC,*9..11	12'	II 3 m	60	8.9
F,L,iR,glbM,r				
S,E group of F* inv in F neby				
pB,S,R,gbM				
eL,E,Epsilon orionis inv p,!	50'X50'	E+R		
B,S,R,vglbM				
*10,11 inv in neb	16'X12'	E+R		
Cl+ neb,mC,iF,st vS				
pB,R,bM,p of 2,*9 bet				
vB,pL,R,gbM,4th of 7				
vF,5th of 7				
pF,S,R,gbM,3rd of 7				
9 mag * in L,F neby;spect B9	5'X5'	R		
Cl,vL,Ri,st 10...15				
	34"X30"	2c		
F,pL,IE,gbM				
eF,vvS,vglbM				
B,R,6th of 7				
var				
vF,vS,E,7th of 7				
neb,no description,in LMC				
cF,S,R,psbM	70"	5		
vF,S				
Cl,L,IC,IRi				
B,R,bM,rr,f of 2				
vL,vF,E neby 8' np 49 Ori	11'X11'	R		
F,L,E				
!!! vB,vL,looped	5.0'	N		
	25.0'	IV 3 p	15	
pB,pL,mE,5* inv				
eL,eF	200'X180'	E		
	6'	R		

Sheet1

Cl of L st	10'X5'	III 3pn:b E	
F,R,p of Dneb	15'		
neb,sp of group of 7			
B,R,f of Dneb			
neb,np of group of 7			
neb,nf of group of 7			
neb,sf of group of 7			
vF,pS,E,glbM,2* 10 s			
Cl,vF,mC,st + neb			
vF,R,*10 vnr			
Neb * 8.6	5'X3'	R	
B,pS,R,lbM,*10 p			
F,pS,iR,bM	1.6'		
vF,S,R			
Neb,IE,* 8.4 inv	8'X4'	R	
	6'X4'	4 Ir	
vF,S,mE,glbM;D?			
eF,vvL,vmE;1 deg long incl Zeta Ori	60'X10'	E	
	10'	E	
vF,S,R			
vF,pL,R,rr			
B* in M of L,IE neb	10'X10'	E(R)	
pB,L,pmE,gbM *13			
	5.0'	II 1m:b	15.0
pF,L,R,glbM	1.6'	SBb	
! irr,B,vvL,black sp incl	30'X30'	E	
In. Reg. Comp. Blk	1.0'X1.0'		
B,pL,irr R,rr	2.3'		
pB,vS,vIE	28"X27"	4(2)	14.7
vF,S,R			
cF,pL,iF,mbM,er,* inv	4.5'X4.5'	SBp	
neb,no description,in LMC			
neb,no description,in LMC			
Globular,B,S,rr			
Cl,F,cS,irr			
Neb,* 8.5	5'X3'	R	
Cl,IRi,IC,st pL			
pB,pS,R,gbM			
vF,S,R,bM	2.0'X1.0'		
	20'	4 C G	
eF,pL,IE			
Cl,L,IC,st 13			
Cl,vL,IRi,IC			
vF,pS,iR,pslbM *16			
F,pS,R,gbM			

Sheet1

eF,pS,R,vlbM Cl,vIRi,st 11 F,pS,R,vglbM vF,S,R,gbM *8-9 w F neb only 2 S st and no neb	1.1'			
	3'X2'	E+R		
	20'X10'	5 E		
Cl,F,S,iF,vIC,rr	120'	4 lr		
eF,pL,iR eF,vS,R,gbM eF,vS,*9-10 np 4' eF,pS,R,3* 10 sp F,pL,2068 s B,L,wisp,gmbN,3* inv,r Cl,poor,S sc st vF,pS,iE,bM	1.5'X1.4' 12'X2' 1.9' 8'X3' 8'X6'	R R R		
	2.2'X1.3'			
	5"	1		
F,S,R,*11 p B,pL,iR,bgM,stellar N,cE 10 deg	4.5'	Sc		
	4.5	1		
pB,pS,R,glbM D*(10 & 14m) w vF,L chev vB,vS,vsmB,rr F,pL,iR,vlbM,rrr vF,eS,stellar	2.0' 4'X3' 1.9'X1.1'	R		
	600'	E		
vF,cL,vgbM	1.8'	10		
	8.0'	II 1 p	15	12.2
Cl,pB,iF,gvmCM,st 15	3.0'	III 1m:b		
	8.0'	I 3 m	30	13.5
B,pL,R,gmbM,r	5.0'	III 1p :a		
cF,pL,R,vglbM vF,S,vIE,gbM vF,pS,R,gbM	2.7'X1.3'			
	5.0'	II 1p :b		15.0
pB,vS,R,gmbM eeF,vS,3* 10 sp F,pL,R,gpmbM	7.0'	II 3 m	40	14.8
pB,vS,R,gbM F,pS,R,glbM eF,cS,IE,pslbM,er !!Cl,Ri,pCM,st L & S pB,R,gmbM,rr,* 14...16 F,pS,R,r,am st	1.7'X1.3' 24.0'	II 1 r	150	9.2

Sheet1

vF,S,R,f of 2 Cl,pL,iRi,pC,st S pF,pS,iR,bM eF,S,R F,IE,r	11.0'	II 3 m n	50	10.0
Cl,vIC,st L & S F,pL,R,gpmbM F,vS,R,vsmbM,stellar	15' 1.1'X0.9' 5.0'	6 lr G III 1m:b		
eF,S,R,bM S,vB F,pS,R,bM vB,S,R,vgvmbM,rr F,vS,R,bM eeF,IE,*16 att F,pL,R,vglbM pB,S,R,gbM,1st of 3 F,S,E,r pF,S,R,gbM,*15 att nf pF,pS,R,gbM pF,pL,R,gmbM	12"X6" 1.2'X1.0' 2.7'X0.9'	3b(2)		10.5
F,pL,R,vglbM eF,L,R,glbM vF,pS,R,gbM vB,R,mCM,rr eF,S,R,*12 vnr	10.0' 1.1'X0.5' 1.1'X0.8' 9.0' 2.0'	II 2 m III 1p :b I 2p :b	12 70	11.5 15.0
F,S,R,gbM F,cL,R,lbM F,pL,R,vglbM vF,pL,R,glbM Cl,pL,40 or 50* 8...15 F,S; = IC 2154 eeF,R,*15 att F,vS,iR,lbM,r eeF,pL,R,gbM * (3 MON) inv in pL,F,neb	7.0' 2.2' 1.3' 37" 20"	III 3 p Scp	40	7.4 19.1
vF,S,R eF,vS,R Cl,L,pRi,vIC,st 10 Cl,not Ri,*7 north F,pS,dif F,*12 inv pB,pS,R,gbM,Dneb,(comp vF,R,glbM)	1.0' 6.0' 10.0' 2'X1.3'	II 1 p II 3 r	40 10	13.0 13.3

Sheet1

	10'	E+R		
vF,vS,vIE	1.5'X1.1'			
F,vS,R,bM	1.9'X0.8'			
F Cl				
	174"X134"	4		18.8
Cl,S,about 20 F stars	7.0'	III 2 p	20	11.1
vF,pS,IE,brush, * att nf	1.7'X1.3'	SB		
vF,pS,R,gbM				
F,iF,glbM,2 or 3* inv				
nebulous *7,am 3*				
Cl,pS,mC,vRi,irr triangle * eS	5.0'	II 3 r		12.4
*9 in vF,pL,neb,E 170 deg	2.0'			
eF,E,dif,*11 att s				
F,pS,bet 2 *,glbM	1.5'	Sa		
Cl,S,IRi,pmC,** (ADS 4728)	7.0'	I 3 P n	30	6.9
pB,vS,E,vsbM,*9 p 5s	1.9'			
13"-eF,L,R, 5* invol at 100X with UHC filter	10'X10'	E		
vF,cL,R,gvlbM				
	30'X15'	E		
Cl,vL,cRi,,pC,st9...16	28.0'	III 2 m	200	8.2
	3'X2'	R		13.0
	3.0'			
pB**,L* neb,E 90 deg				
Cl,pRi,IC,st L & S				
eF,bet 3 vF *	40'X30'	E		
*8 in neb	18.0'	IV 3 p n	60	7.6
pF,pL,vmE,gvlbM	4.4'X1.1'	SBm		
pF,S,R,bM	1.4'			
vF,S,R,glbM,*** p				
eF,S,IE,*11-12 sp	1.0'			
		n	20	
Cl,L,vIC				
Cl,pL,poor,st 11				
11 and 4 S in vF,L neb	3.0'			
	40"X27"	2c		15.2
vB,pL,R,mbM,r	1.7'	3		
Cl,pL,pRi,pC,st L and S	4.0'	II 2 p	30	9.8
pF,pS,vIE,pmbM,st nr	2.8'	Sb		
2 clusters nr 2* 9-10 & 10-11				
B,pS,IE,gbM,rrr				
vF,pL,R,* 10 inv p	15'X4'	E		
	6.0'	III 1p :b		
eF,pS,R,vlbM	1.0'X0.9'			
eF,S,R,pslbM	1.4'X1.0'			
Cl,L,Ri,gvmCM	10.0'	III 1 r	80	12.1
Cl,bet 2* 9-10 & 10-11				
F,S,2S * inv,*10 n 31"				
	130"	3b		14.0
Cl,cL,C,iF,st vS	6.0'	III 1 p	45	14.0
Cl,L,pRi,IC	13.0'	III 3 m	80	12.2

Sheet1

	350"X300"	3		
F,pS,vIE,pslbM	2.3'	SBb		
pB,pL,mE87,pslbMRN,biN,ring surrounding ** chief of CI	2.5'X1.5'	Sc		
F,narrow curved	50'X40'	E		
	35.0'	IV 2 p n	15	
	3.5'X1.3'	Sc		
vF,pS,E 45 deg,bMN	1.4'X0.7'			
eF,vS,R,in field w NGC 2211	1.5'X0.8'			
pB,2'l,IE	6.0'X5.0'	SBbp		
	80"X56"	3		11.5
vF,IE,vgvlbM,f of 2	1.1'			
vF,IE,vgbM,p of 2	1.5'			
Neb,* 9.5 inv	8'X4'	R		
F,pL,R,gvlbM,** f				
Cl,cL,pRi,pC,st11.15	11.0'	II 2 p	40	10.5
F,S,R,glbM	0.8'X0.7'			
eF,vS,R,1st of 3	1.4'X0.4'			
eF,S,IE,2nd of 3	1.1'X0.9'			
vF,pL,R,vglbM	1.4'X1.1'			
	17.0'	IV 2 p	20	
vB,S,R,psmbM,r	4.8'	SBa		
eF,S,3rd of 3	0.9'X0.2'			
vS	9"X7"	3b		15.1
Cl,B,P,*8...				
	3.0'	I 1p :b		16.0
vF,S,R,*12 nr	1.3'X1.0'			
pF,pS,IE	1.6'X0.9'			
vF,pL,R,glbM				
	11.0'			
	18.0'	IV 1 p	10	
Cl,P,vIC,*6,11...12				
F,pL,R,vglbM,2st inv	3.3'	SBb		
F Cl				8.4
pB,pL,R,vgbM,** p				
vS,B	12"X10"	3b(2)		15.3
eF,R,** p 270 deg,90"	2.3'	SBc		
B* (10 MON) + Cl	30.0'	IV 3 p	20	05.0
Cl,P,ICM,*12...15		1		
S,v diffic,*10 close S		1		
Neb;F*p1',D*f3'	2.9'X2.0'	S(B)b+		
	34"	4		15.4
Cl,pC,w neb?				
Cl,eL,pRi,IC,st L & S				
Cl,pRi,pC,*10,12...15	7.0'	III 2 p	50	11.0
pB,cL,R,vglbM	5.0'	I 2 r	100	11.8
	8.0'	IV 2 p	15	8.8
pB,vvL,dif,part of eL nebs ring ar 2239	80'X60'	E		

Sheet1

F,cL,R,vglbM,r,17.0 sec d	3.4'			
F* in neby,part of eL nebs ring ar 2239	80'X60'	E		
	19.0'	IV 2 p n	10	
	3.9'X2.2'	Sm		
*8 in L,P,B Cl	16.0'	II 3 p n	40	
Neb * 10m	5'X4'	R		
F,L,diffuse,sev st 9-10 inv	25'X20'	R		
	5.0'	III 1m:b		
		I 2pn:b		
	21.0'	IV 3 p	15	
Cl,beautiful,st sc (12 MON)	24.0'	II 3 r n:b	100	5.8
eeF,L,irr R,e difficult		E		
Neby,np * 5 mag	15'X10'	R		
pL,com,mbN sf alm *,*7-8 nf	5'X3'	R		
	180'	5 lr		
Cl,pRi,IC,iF,*8,12...14	8.0'	IV 2 p	10	12.0
Cl,pL,P,vIC,*7,10...15				
neb* in eF,eL neby,nf 2245	4'X3'	R		
	4.0'	III 1m:b		15.0
eeF,vS,R,F* nf		2		
eF,S,IE,vlbM	1.5'X0.7'			
small cluster				
		IV 3mn:b		
Cl,vL,E,Ri,IC	10.0'	IV 2 p	30	9.1
Cl,vL,pRi,IC,st S	20.0'	IV 2 p n	30	09.0
	<5"			
Cl,S,pC,iF,*11...13	4.0'	I 2 p	50	11.9
	11.0'	III 1 p	15	11.0
	22.0'	IV 1 p n	15	
			15	10.4
	8.0'	II 3 r n	150	
	45.0'	III 3 p	20	
	38"X20"	2		18.5
	5.0'	III 1p :b	39	
	35.0'	IV 3 p	15	7.1
	40'X15'	E		
Cl,vL,P,vIC,st L & S				
	10.0'	III 1p :b		17.0
Cl,vC,iR,bM,st eS	3.5'	I 2 p	35	
	12.0'	III 1 m	70	
pF,IE,bet 2 vS*,pslbM	2.6'X1.5'			
Cl,cRi,eC,iF,st eS	4.5'	II 2 p n	25	14.0
	3.2'			
B,vmE 330 deg,N com=*11	2'X1'	E(R)		
	3.1'X2.7'	S(B)c		
		III 2pn:b		
two neb close together	1.7'X1.3'			
	7.0'	IV 3 p	10	12.0

Sheet1

eL neb,3 deg diam,densest 12' sp 15 MON Cl,P,30 or 40* 12...13	20.0'	III 3 m n:	40	05.0
	6.0'	I 2m :b		16.0
	2.8'	II 1 p	15	11.0
vF,* eS		1		
pF,pS,vIE,bM,r	2.1'	SO		
pF,S,R,gbM,am st	2.1'X1.4'			
	12.0'	IV 2 p	20	
Cl,pS,eC,Ri,st 11...15	7.0'	II 2 m	50	11.0
Cl,IC,not Ri				
Cl,vmC,not Ri,st vS	4.0'	II 2 p	12	11.6
	141"	2b		17.7
	18.0'	III 1 p	40	
vF,S,R,vglbM	1.6'			
pF,pL,IE,gbM	5.6'	Sb		
	24.0'	IV 2 p n	50	8.9
3 or 4S* + neb	3.6'X2.8'			
	2.5'X1.5'	SBd		
	7.0'	III 2 p	50	
*10 in F,R neb	3'X3'	R		
Cl,vL,B,IC,st 8...	38.0'	II 3 m	80	6.9
F,S,bM	1.8'X1.8'			
eF,vS	1.4'X1.0'			
F,R,*9.5 3' sf	2.3'X2.0'	SBO		
eF,S,R,bet st,Dneb f	2.1'X0.6'			
		I 2pn:b		
Cl,L,C,ab 100* 9...15	15.0'	IV 3 m	50	9.7
eF,R,gbM,P w 2293,am st	4.1'X3.6'			
pB,R,gbM,P w 2292,am st	4.2'X3.3'			
Cl,vS,IRi				
F,2* 10-11 f	2.6'	SO		
vF,vS				
vF,vS,stellar Nucl;=2275?				
	54"X34"	2c		19.9
vF,vS,R				
vF,vS,R,2*triangle	2.0'			
vF,pS,vIE 90 deg	1.6'			
			10	10.9
B,pL,iR,gbM,rr	6.8'	6		
F,r				
Cl,pRi,vIC,st pL	15.0'	I 3 p	30	7.3
eF,eS,r?				
	5.0'	III 2m :b		14.0
	4.0'	II 2p :b		16.0
F,S,iR,r?	3.6'X2.4'	SBa		
eF,vS	0.3'X0.2'			
cF,S,R	1.1'X0.8'			
F,S,gbM	1.3'X0.7'	Sa		
eF,vS;=IC 2173	0.9'X0.9'	SO		

Sheet1

eeF	4.0'	III 1m:b		17.0
CI of 30 or 40 *	0.8'X0.3'	E6		
CI,Ri,L,iF,st L & S	12.0'	I 3 m	80	08.0
CI,L,P,IC	2.5'	II 2 p	30	10.2
	3.0'	III 1p :b		15.0
	4.0'	I 3 p	20	10.7
	414"	3		18.2
	5.0'	III 2p :b		13.0
	4.2'X3.6'	Sc		
	22"X15"			
	2.8'X0.7'	S		
pB,pL,vmE 45 deg,pslbM	5.0'	SO		
	4.0'	I 1p :b		15.0
	50.0'	III 3 p	20	3.8
CI,P,vIC				
CI,pL,Ri,mC,st vS	5.0'	II 1 p	30	
	4.6'X2.2'	Sa		
	2.0'X0.6'	Pec		
eF,vS,R,sev st nr	1.5'X1.5'			
	80"X67"	2b		
CI,pL,pRi,mC,st13	3.0'	II 2 m	40	13.0
	2.0'	IV 1p :b		13.0
	2.1'X1.1'	Ir+		
	2.0'	III 1p :b		
CI,IC,not Ri	7.0'	III 2 p	50	12.0
F,vS,R				
	6.0'	II 2 m	70	14.0
	5.0'	II 1m:b		14.0
	4.0'	II 2m :b		15.0
eF,vS,vF* inv	2.1'X1.2'			
	4.0'	II 2m :b		14.0
CI,P				
close Dneb w 2316				
CI,L,sc st 8...9				
pF,S,R,r,S st inv	4.0'			
	67"	2b		
vF,pS,R,B st nf and np	2.1'X1.3'	SB		
CI of v sc st 8,9...				
	5.0'	IV 1p :b		17.0
	5.0'	III 1m:b	45	14.0
eF	1.4'X0.3'			
vF,S,vIE,bM,am st	1.6'X1.3'			
	4.0'	IV 1p :b		12.0
pB,pL,IE,gbM	2.3'	E4		
	14"X9"	?(6)		14.1
	5.0'	III 1p :b		
CI,P,IC,30st				

Sheet1

Cl,vL,Ri,pC	16.0'	II 3 m	80	7.8
			25	11.2
	79"	2		16.8
	3.0'	I 1m:b	50	16.0
		IV 2p :b		
	2.7'	III 2p :b		14.0
Cl,L,Ri,cC,st 12...16	8.0'	II 2 r	70	10.4
	20'X20'	E+R		
pB** inv in S,vF,neb	2.5'	III 2m :b		
	1.3'X1.1'	S(B)+		
pB,eL,iR,v dif	120'X40'	E		
	10'X10'	E+R		
	2"	1		
pB,S,iR,gbM,*8 sp	1.4'X0.8'			
vF,vS,IE	1.3'X0.4'			
vF,12'n of 2320	1.5'X1.1'			
	2.5'	II 2p :b		13.0
	2.4'	III 1m:b		14.0
	4.5'	III 1p :b		12.0
	6.0'	IV 1m:b		16.0
Cl,L,IC	12.0'	III 3 m n	35	9.5
	65"	3		21.0
Cl,L,vIC,S Cl inv	18.0'	IV 1 p	30	09.0
	9.0'	IV 2 p		
	5.0'	IV 1p :b		14.0
	4.0'	III 2 p n	25	
	2.9'	III 2 p	20	11.0
Cl,vIC	4.2'	IV 2p :b		13.0
	2.2'X1.1'	Sc		
pB,pL,R,glbM	2.6'X1.9'	Sc		
Cl,cL,P,IC	7.0'	III 3 p n	20	8.4
Cl,pL,pRi,gbM,*10.14	12.0'	I 3 m	70	9.9
vF,S,R,bM	1.3'X0.8'			
vF,pL,iR,psmbM,st p	1.8'X1.8'			
	1.0'X0.5'			
* 11.5 in vF neb	1'X1'	E+R		
	4.0'X4.0'	SBb		
	4.11	0		
vF,vS,stellar	1.3'X1.1'	SO		
vF,vS	0.9'X0.9'	P		
pF,S,IE,vlbM	1.4'X1.3'	Sp		
*10 att w S,vF,neb	60"X50"	3b(6)		11.2
	11.0'	III 2 m	40	13.0
F,S,R,psbM	1.5'X1.0'			
vF,vS,v stellar				
eF,S,E	2.7'X2.2'	Ir		
13"-pB,pL,irr at 100X with UHC; 3 branches	8'X7	E		

Sheet1

vF,bet 2* 12	2.1'	E1p		
Cl,cL,P,cC	7.0'	IV 1p :b	16.0	
vF,S,R	1.8'X1.2'			
pF,S,R,glbM,r		1		
	3.5'X0.3'	Sbp		
	86"X45"	3b	21.0	
pB,pS,R,lbM	2.2'X2.0'	SBC		
eF,eS,iR	1.5'X0.8'			
Cl,IC,** taken				
Cl,pRi,pC				
pF,pL,IE	3.2'X2.0'	Sb		
	2.7'X1.0'	Ring		
Cl,cRi,IC	20.0'	III 2 m	100	9.1
	95.0'	III 3 p	25	5.3
Cl,L,IC,one vB*	20.0'	II 2 p	30	9.2
	9.8"X6.0"	3b		
	2.3'	IV 1p :b	13.0	
*13 IN vF,vS Neb	1.0'X1.0'	E1		
vF,S,R,lbM	2.0'X1.5'	Sb		
	5.0'	III 1m:b	17.0	
	5.6"X3.6"	2		
	8'X7'	E		
pB,pL,iE,glbM	4.6'	SBa		
Cl,P,IC				
Cl,pS,pRi,mC,*15..16	9.0'	II 2 p	40	13.0
13"-vB,vvL,nC,scattered 38* at 60X	50.0'	IV 2 p	2.7	
Cl,IC				
	9.0'		30	10.9
		II 3m :b	89	
vF neby,perhaps 2 or 3 st inv	20'X20'	E		
eF,L,mE,bM,F* inv	3.7'X0.5'	Sa		
!! ,vF,vvL,viF	8.0'		11.0	
Cl,vL,Ri,pC,st9...12	13.0'	II 2 m	80	10.4
vvF,vS;part of 2359				
	5.0'	II 2m :b	15.0	
Cl,pL,Ri,(30 CMA)	8.0'	I 3 p n	60	4.4
	1.9'X1.2'			
	13'X5'	6 E		
	10'X5'	R		
	1.7'	II 1p :b	12.0	
vF,vS,R,am st	1.6'			
	4.0'	IV 3 p n	60	11.1
Cl,S,P,IC	3.5'	IV 3 p	30	9.4
	1.5'X1.4'			
	7.0'	III 1p :b	15.0	
Cl,pC,st pL,bifid				

Sheet1

Cl,S,pRi,st15	5.0'	IV 2 p	15	
	1.7'X0.9'	SBd		
	10"			
	1.1'X1.0'			
pB,cL,cE 117 deg,lbM	2.2'	SBb		
	2.37	1		
	6.0'	I 2m :b	13.0	
	4.0'	III 2p :b		
vF,pS,R,psbM	3.0'X1.6'			
	67"	2c	16.6	
	0.2'X0.3'		7.5	
	11.0'	IV 2 p	15	13.0
	4.2'	IV 3 m	30	11.1
	2.9'	I 2m :b		14.0
	5.0'	II 1p :b		12.0
pF,pS,R,vsmbM,am st	2.0'X1.9'			
pF,S,R,bM;=2380				
10X50-vB,vL,irR, 18*	42.0'	III 3 p	30	5.4
Cl,vL,pRi,IC,st L	19.0'	II 3 p	25	10.7
	4.0'X3.6'	S(B)d		
	7.0'	II 1p :b		16.0
Cl,pS,pmC,st12	6.0'	I 3 m	40	9.8
	4.0'	III 2 p	40	11.0
	2.1'	I 1m:b		14.0
eF,vS,E	1.1'X0.6'			
eF,vS* inv,*11 s	1.8'	Sb		
Cl,IC,bifid,**	2.5'	IV 3 p	15	8.6
B,S,R,bMN,p of Dneb	74"X54"	3a+6		12.5
pB,S,R,bMN,f of Dneb	74"X54"	3a(4)		12.5
	8.0'	IV 1p :b		13.0
13"-pF,pL,sRi,sC at 100X; 16* and fuzzy back	6.0'	III 2 p		
13"-pB,L,pRi,irR; 27* mags 10... at 100X	10.0'	II 2 m	200	11.4
eF,vS	0.9'X0.6'			
eF,vS	15"X10"	4		
	10.0'	III 2 m	30	11.6
Cl,pRi,C	12.0'	III 1 p	30	10.0
eF,vS,2379 f 17s,1' s	1.4'X0.9'			
vF,vS	1.0'X1.0'	SO		
pB,pL,R,2*11 nr	6.9'X3.6'	Sb		
13"-pB,pL,pRi,sC at 165X; 23 * mags 11....	11.0'	III 1 m		11.0
pL,F,lbM	2.8'X2.5'	Sc		
13"-pF,pS,nRi,sC at 100X; 17*	5.0'	II 3 p n	30	9.1
2 vF close st in eF neb,2379 f 2s,1' s				
Cl,vL,vIC	10.0'	III 3 p	30	11.0
13"-pF,pL,nRi,nC; 18* mags 11... at 135X	8.0'	IV 2 p	40	12.2
vF,vS,R,bM				
Cl,L,P,vIC,st L				
stellar				

Sheet1

13"-F,S; 6* 12m at 135X neb* or vFvS,2366 sf	1.6'	III 2 p	40	12.7
vF,S,R,bM	1.0'X0.6'			
vF,pL,mbM,vS*inv,curved tails	9'X3.5'	Ir		
13"-F,S,R,nBM; held steady at 220X	8"	2		
13"-F,pL,E at 100X with UHC; crescent shape	10'X6'			15.9
vF				
vF,S,R,psbM	2.0'X1.5'	SBc		
pB,S,stellar				
B,S,R,*9M,*8 nf 100"	47"X43"	3b(3b)		9.8
eF				
Cl,S,cRi,,cC,st vS	2.0'	II 3 p	20	
	2.8'	IV 1p :b		12.0
1st of 2 F neb (vS clusters?)				
eF,pS,IE,dif,r?	1.1'X0.7'			
vF,pS,ssf of NGC 2336	3.5'X1.4'	S(B)c		
2nd of 2 F neb (vS clusters?)				
	24.0'	IV 1 p		
vF,L,R,gbM,r	2.2'			
vF,eS,bM,Dneb?				
eF,S,R,lbM,* inv	1.2'X1.2'			
13"-pF,pS,nRi,nC; 7* 135X; aster in horseshoe			12	7.8
	3.0'	III 1p :b		13.0
13"-pB,pL,sC; 22* at 135X		n	30	08.0
	9.0'	III 2m :b		
13"-vF,pL,R at 100X with UHC filter	20'X20'	E		
Cl,S but B,*8...10				
	3.0'	III 1p :b		
	1"			
eF,eS,vSN?	0.7'X0.6'			
13"-pF,S,nRi,nC at 135X; 6* mags 11...	2.0'	III 1 p	15	11.0
eF,eS,vSN?	1.0'X0.8'			
13"-pF,pS; 15* mags 11... at 135X		n	40	10.6
vF,S,iR				
pB,pL,IE,bM	3.2'X2.7'	E1		
	2'	R		
Cl,vL,P,vIC				
Cl,P,IC,st9...	4.0'	I 3 m	35	8.2
	3.5'	IV 1p :b		13.0
	1.8'X1.4'	Ir+		
vF,*8 f 59s,1'.5 s,*13 s 10"				
*14 slightly nebs	1.0'X0.6'			
pB,S,R,pmbM,3* 11 n	2.5'	E0		
eF,vS,sev vf * inv	2.5'X0.8'			
13"-vF,pL,E 1.5X1,nBM at 100X with UHC filter	4'X4'	E		
eF,S	1.1'X0.7'			
	4.4'	II 2m :b		16.0

Sheet1

	261"	3		19.6
Cl,L,cRi,*11...13	10.0'	I 2 m	70	10.4
Cl,vF,R,P w 43,D* inv M	6.0'	SBb		
pL,vF,R,P w 42,D* inv M				
13"-vF,pS,E 2X1 E-W at 135X with UHC filter	15'X15'	R		
vF,eS,bM	1.8'X1.8'			
eF,L,pmE,gmbM,2* inv	5.6'	SBdm		
Cl,B,vL,pRi,st L & S	30.0'	III 2 m	30	5.7
!! cB,eL,vmE,vgmbMN	17.8'	Sc		
pB,cS,R,vgvlbM,r,almost circular	1.0'X1.0'	lr		
vF,vS				
Cl,vL,Ri,pC,st vS	19.0'	IV 2 m	40	09.0
	0.7'	III 1p :b		14.0
	3"	?(4)		
13"-B,pL,mC,mBM; 48* mags 10..14 at 100X	9.0'	II 1 m	80	10.2
13"-F,pL,E E-W at 100X; 14* mags 12...	18.0'	II 2 m	30	12.0
	10.0'	III 1p :b		12.0
	2.0'X1.2'	lr+		
pB,pL,IE 90deg,vgbM,*7-8 267deg,4' dist	4.1'	2		
Cl,P,S,st vS	3.3'	III 2 p	30	14.0
pS,F,Ri,40* mags 12...	9.0'	II 1 p	40	
	2.5'	II 1p :b		
Cl,cL,Ri,C,st 11...18	10.0'	I 2 r	100	11.1
Cl,vL,vIC				
Cl,vL,vIC				
	2.0'			
	4.0'	IV 1p :b		14.0
13"-F,pS,nRi,C; 6* at 165X		n	12	7.7
	1.7'X1.1'	S(B)dm		
	3"			
Cl,vIC				
	15.0'	II 3 p	15	08.0
vF,pS,mE,lbM,r?	3.9'X0.5'	SBb		
Cl,B,pRi,pL,IC,* 9,12...14	10.0'	II 3 m	80	8.9
Cl,pL,pC,E 0 deg,st L & S	8.0'	II 1 p	50	
13"-pF,pS at 135X; 10* mags 11...	15.0'	IV 3 m	30	12.0
	2.5'	IV 2p :b		13.0
pB,pS,vIE,r,3s.75 d	65"	4(2)		17.5
!,Cl,vB,vRi,vL	27.0'	III 2 m	100	8.7
	3.1'X3.0'	lr-		
cB,not v well def	54"X20"	5(3)		16.0
	33"X28"	2b		19.1
	4.0'	II 2 p	30	11.0
	1.4'X1.4'	SBb		
	2.0'	I 3 p	15	11.0
eF,*15 90" sp				
cF,R,vgbM,r,*8p	1.1'X1.1'			
	54"			

Sheet1

pF,pS,vmE,*12 att	1.8'X0.4'			
F,S,lbM	2.6'X0.6'			
Cl,L,pRi,IC,st8...13	22.0'	IV 1 p	80	8.2
Cl of 18 or 20* 11...13				
	1.4'X1.3'	SBdm		
13"-pB,pL,nRi,nC at 135X; 21* mags 11...	6.0'	III 2 p n	30	9.6
vF,S,R,lbM	1.5'			
eF,vS,R,bM	0.9'X0.8'			
13"-pB,pS,vC,nRi at 165X	3.5'	II 3 p	35	10.4
Cl,vL,vIC,one *4.5	45.0'	II 2 p	40	3.6
	3.8'	III 1m:b		14.0
	4.0'	III 2 p	35	11.2
vF,vS,R,bM				
	6.0'	IV 1p :b		13.0
	12.0'	II 3 r	120	16.0
vF,mbM,S* att s	3.0'X2.3'	Ring		
vF,mbM	3.0'X2.3'	Ring		
	0.8'	II 1p :b		14.0
eF,eS,R,bM,r	1.6'X0.7'			
F,S,IE,am 60*	22"X16"	4(3)		19.0
	<10"			
eF,vS,S* inv				
	2.0'X0.9'	Sb		
	3.5'X0.4'	S0		
Cl,S,pRi,pC	5.0'	I 2 p	30	9.5
	4.0'	I 1 p	30	10.3
F,am 4*	2.1'X1.0'			
Cl,cL,pRi,IC,st12	8.0'	III 2 p	50	12.0
	1.0'	III 1p :b		14.0
	38"X36"	2		21.0
13"-pB,S,pRi,vC; 19* mags 11... at 165X	1.1'	I 1 p	30	11.6
vF,eS,R,bM	1.1'X0.6'			
	0.8'	II 2m :b		14.0
	3.0'	II 1m:b		
	6.0'	III 2p :b		13.0
	265"X180"	4(3)		17.2
vF,pS	2.3'X2.2'	Sc		
only a couple of F *				
!,Cl,B,Ri,L,IC,*12	27.0'	I 2 r :b	200	12.0
pB,vL,R,er,*8m	15.0'	I 3 m n:b	50	
	1.6'	I 2p :b		15.0
	1.8'	I 3 p n	30	10.8
	1.5'	III 1p :b		14.0
	1.0'	I 2pn:b	25	11.0
vF,R,vgbM	1.1'X0.8'			
eF,S,IE,bet 2*	2.2'X0.6'	Sb		
F,pL,R,2456 sp cluster				

Sheet1

	1.1'	IV 1p :b		14.0
Cl,L,cRi,vIC	12.0'	III 1 m	40	10.0
Cl,pL,pRi,pC,st S	7.0'	III 1 m	45	
	14"X13.5"	4		
13"-pB,pL,nRi,nC at 100X; 22* mags 11...13 vF,*12 close	6.0'	II 2 p	20	10.1
	1.7'	II 1m:b		16.0
Cl,L,IC	10.0'		30	9.3
pF,S,R,vgpmbM	2.1'			
*13 slightly nebulous				
vF,S,lBM	1.1'X1.0'	SBb		
Cl,pL,cRi,pC,* 11...13	8.0'	II 2 m	45	11.1
13"-F,pS,C; 6* mags 12... at 135X	1.8'	II 3 p	20	13.1
neb *12	1.6'X1.6'			
vS* in eF,S neb	1.4'X0.8'			
vF,vS,vlbM				
F,S,R,S* in centre	4.0'X2.8'	Sb		
	2.0'X1.1'	Ir+		
eF,R	0.4'X0.4'			
vF,E np sf,close np 2481	1.6'X1.1'			
F,S,IE,bM,er	1.6'X0.5'			
pS,cL,st eF,nebulous	0.4'			
*,nebulous?				
13"-vF,pL,nBM,sev* invol at 100X with UHC	400"	4		16.0
vF,S,psbM	1.9'X1.1'			
F,pS,E?,bM vS*?, L* nf	0.9'X0.7'	EO		
	0.9'X0.7'	E1		
F,R,bM	1.0'X0.6'	SO		
F,vS,R,*9 sf	1.0'X0.7'	Sb+p		
vF,S,gbM	2.5'X2.2'	SBb		
*13 slightly nebulous				
Cl,vB,vL,pRi,*7...13	30.0'	I 3 r	80	07.0
only a few * 14,very difficult,*10 p	0.3'X0.2'			
1 of 10 neb,in line w 2463,2469;=2472?				
vF,vS,R,bM,r?	1.3'X0.8'	SO		
	1.5'	III 2p :b		14.0
vF,pS,R,lBM,* 11 3"p	1.1'X0.9'			
1 of 10 neb,in line w 2463,2469				
cF,S,vIE 90 deg,glbM,am st	1.3'X0.9'			
13"-pF,pS,sC at 100X; 10*	14.0'	III 2 p	25	12.0
eF,pS,iR				
13"-B,L,Ri at 100X; 52* ; seen in 11X80 findr	5.0'	III 1 p	40	9.4
vF,S,R,*13 1'f,p of 2	0.5'X0.3'			
F,S,IE	1.1'X1.1'			
vF,S,R,bM,f of 2	1.0'X0.9'			
vF,vS,R,bMN	1.2'X0.8'			
13"-pB,pL,nRi,nC at 100X; 8* resolv and glow	11.0'	IV 2 p	35	13.0
vF,S,R	0.5'X0.4'			

Sheet1

Cl,pL,vRi,C,*11...20	7.0'	I 2 r	150	10.8
cB,S,R,sbM	2.2'X2.2'	SBO		
follows 2493 2'or 3',eF,vS	0.3'X0.2'			
eF,S,glbM	1.1'X1.1'			
Cl,B,pRi,IC,st S	8.0'	II 1 p	70	
	2.8'	IV 2pe:a		14.0
13"-pF,S,nRi,pC; 12* at 165X	1.1'	II 1 p	20	12.1
pB,pL,iR,vgbM,er,* 232deg,80"	1.8'X1.7'	Sap		
	0.6'	III 2p :b		13.0
vF,vS,R,glbM	1.4'X0.8'			
F,L,R,vgbM,r,am st	2.8'X2.8'	S		
F,vS,vIE,2 * p	2.0'X1.6'			
	2.0'	II 3 p	15	9.4
no description	1.0'X0.7'			
eF,2513 nf	0.8'X0.5'			
eF,vS	1.4'X1.2'			
	5.0'	I 1 p	20	10.9
F,S,R,psmbM,r	2.5'X2.0'			
	7.1"X6.5"	4		
Cl,B,pRi,pC				
eF,pS,irrR,dif	1.2'X1.2'	SBb		
F,vS,R,bet 3* 13-14	0.8'	S(B)O		
	2.0'	III 1p :b		12.0
vF,S,iR	1.7'	SBb		
	2.5'	II 3 p	10	10.1
vF,cometic				
	3.5'	II 2m :b		12.0
	4.5'	IV 1m:b		14.0
eF,vS	1.3'X0.6'			
	370'	IV 2 p		
	1.2'X0.8'	SBc		
	2.0'	IV 1p :b		13.0
	2.5'	III 1p :b		13.0
Cl,vL,pRi,IC,*10..15	22.0'	III 1 p	40	8.6
pB,vgbM,E ns,*13.5 sf	1.3'			
cF,pL,R,vglbM,am st	2.9'	SBcp		
vF,vS,E,psbM	1.1'X0.4'			
	3.0'X0.8'	Ir+		
	188"X147"	3b		18.9
vF,S,mE	0.9'X0.5'			
Cl,pL,Ri,C,*9,13..14	3.5'	III 1 p	60	09.0
	2.5'	III 2p :b		
1st of 2 neb,F,L,R,gbM	1.2'X1.0'			
F,L,R,gbM,42s f 2518				
F,S,R,bM	1.5'X1.5'			
eF,(suspected)	1.4'X0.9'			
eF,IE,vS* n	1.4'X1.0'	SB(s)d		
vF				
vF,S	1.5'X1.1'			

Sheet1

pF,pL,R,psbM,*9 np 3'	1.2'X0.7'	SOp		
	40"	2		
pB,pL,R,vglbM,r,2* nf	2.2'X1.7'	SBc		
Cl,vL,Ri,IC,*11...13	22.0'	II 1 m	50	9.1
Cl,B,L,IC,st7...16	20.0'	II 2 p n	80	6.5
	18.0'	IV 2 p	40	10.0
eF,vS,R	3.6'X2.5'	Scp		
	1.7'X1.5'	Ir-		
vF,vS,R	0.8'X0.5'	SBcp		
nebulous *5				
vF,vS,R,mbM	1.7'X1.3'			
	2.5'	III 2p :b		15.0
	2.4'X1.4'	SBd		
	25"	2		
	17.0'	IV 2 p	12	8.6
Cl,B,L,IC,IE,*9...12	41.0'	III 2 m	40	8.2
	42.0'	IV 2 p	40	09.0
	4.8'	II 1m:b		15.0
vF,pL,iR,bM,r	1.4'X1.0'			
F,pL,iR,vgbM,D* nr	2.7'X1.2'	SBb		
pF,pL,R,psbM,*8 164 degrees	1.4'X1.2'	E1p		
	2.1'X0.3'	Sb		
pB,pL,R,rrr,st 20	1.7'X1.5'	S		
	0.6'X0.6'	SBc		
Cl,vL,pRi,pmC,* 9..13	54.0'	I 2 m	80	8.2
pB,L,E np sf;NGC 2537 np	4.7'X0.6'	SBd		
F,S,IE45,*8 np 4'	2.5'X1.2'	Sb		
	13.0'		15	
F,L,E,vgbM	6.6'X3.5'	S		
	10.0'	IV 1m:b		12.0
	5.0'	IV 2m :b		12.0
pB,pL,IE,lbM,* nr,Theta shape	3.0'X2.2'	SBb		
	6.0'	III 2p :b		14.0
F,pL,gmbM,am 60*	5.6'			
vF,S,glbM	0.9'X0.7'			
	1.5'X0.8'	E5		
	4.6'	I 3 p	30	12.8
F,S,R,mbM,r	3.5'X2.6'	Sap		
vF,cS,iF,3 S * inv?	2.1'X1.6'			
vF,pL,F* inv				
Cl,pL,pRi,IC,iR,*11.	10.0'	III 2 m	40	10.1
	4.3'	II 1r :b		15.0
vF,S,R,gbM,am many*	1.2'X0.8'			
pB,vS,R,lbM,6'n of NGC 2566	2.1'X1.9'	E0		
pB,S,mE0,psmbM	3.6'X1.1'	E6		
	7.6'X6.2'	Ir+		
vF,cL,eR,vS neg or neb *11 w *12 close	3.1'	SBb		
Cl,vL,cRi,IC,st9	13.0'	IV 1 p	30	8.8
	5.0'	III 1 p	20	10.2

Sheet1

vF,vS				
eF,eS,R,lbM	1.1'X1.0'	SBO		
eF,cL,IE45	3.9'X2.6'	Ir		
vF,S,R,sbM,stellar	2.2'X1.7'			
vF,S,R,2* triangle	1.2'X0.6'			
F,biN	1.8'X0.7'	SBb		
F,pL	1.5'X0.4'	Sa		
vF,cS,R	1.3'X1.0'	SO		
cF,S,R,bM	2.0'X1.7'	SO		
eF,pS,rr,*7.5 nf 5'	2.2'X1.2'			
	<10"			
D* in pS neb,am 70*	10.0'	IV 2 p	:b 20	9.5
eF,vS,iF,*13 att	1.7'X0.5'			
F,vIE,gbM,r,am 50*	2.4'	SBap		
vF,cE,3 vS* f	0.6'X0.5'			
eeF,L,R,n OF 2	1.3'X0.7'			
Cl,cL,pRi,pC,R,st12	8.0'	II 2 m		50
eeF,pS,R,sev B*around	1.0'X0.8'	SBa		
13"-pF,pS,nC,nRi 18* at 135X	9.0'	III 2 p	35	10.1
F,S,iF,r	1.8'X1.1'	SO		
eF,pL,iR,sev F* inv	2.6'X2.0'	Sc		
eF,eS,stellar	1.9'X0.3'			
vF,S,R,sbMN,1st of 4	0.7'X0.7'	E1		
vF,S,R,2nd of 4	1.1'X0.6'			
Cl,F,S,R,gbM,st 15	2.0'	II 1 p		20
vF,S,R,3rd of 4	1.8'X0.8'			
Cl,pmCM,iF,st9...13	9.0'	II 1 p		40
	7.0'	III 1 p		20
eF,pS,R,4th of 4 (neb?)				
vF,vS,R,vF * inv,F* att	1.1'X0.8'			
pF,pS,IE;nonexistent?				
eeF,pS,cE	1.1'X0.4'	Sb		
vF,S,F*in centre	1.8'X1.2'	Sb		
	6.0'	II 1m:b		13.0
F* inv in vF,vS,IE neb	2.5'X0.8'			
vF,pS,R,glbM,* p 75"	1.1'X1.1'	SBb		
	2.5'	II 1p :b		14.0
F,pS,R,gbM	2.0'			
	2.5'X1.8'	SB		
eF,vS	1.1'X0.5'			
pF,S,R,vsbM *	1.7'X1.4'			
eF	0.8'X0.7'			
vF,S,IE	1.5'X0.6'			
vF,pL,iF,R,D* sp 2'	3.2'X2.8'	SBc		
	2.3'X2.1'	SBc+		
	5"			
	1.7'X1.4'	Sc		
Cl,pS,IRi,IC				
	17.0'	IV 2 p	30	11.0

Sheet1

eF,vS	1.4'				
	1200'	E			
F,S	1.2'X0.5'	SBa			
	13.0'	n	20		
	6.0'	II 1m:b		13.0	
	47"X40"	3b		21.0	
vF,S,stellar	2.6'X2.6'	Sa			
	7.0'	IV 2 p	20	11.0	
	5.0'	II 1p :b		13.0	
vF,pL,R,lbM,r,D* nr	2.1'X2.0'				
cB,L,vmE 110 deg	7.2'	Sb			
F,S,att to *13,*7 nf	50"X47"	4(2)		15.5	
F,S,E,psbM,bet 2*	3.2'				
eF	1.6'X1.6'				
	1.7'X1.3'	Ir+			
	18.0'	IV 1 p n	45	7.3	
F,pS,IE,lbM,F* inv r	2.3'X1.4'				
no description	1.3'X0.4'				
eF,S,R,* 95 deg					
F,vIE,mbM,r	2.5'X1.8'	Sc			
F,S,lbM					
vF,S,pmE,gbM					
eF,vS					
vF,S,R,* nr nf	1.2'X1.2'				
*9 inv in pB,pL,R neb	5.0'				
cF,S,R,* nf (310 deg)					
eF,vS,2 vF * inv	1.1'X0.8'				
eF,pL,iF	3.0'X2.5'				
	2.5'	II 1m:b			
	65"				
Cl,cL,pRi,pC,*11..13	11.0'	III 2 m	60	11.0	
F,S,E,lbM	3.2'X0.7'	Sc			
	67.0'	II 3 p	80	09.0	
pB,S,R,3 or 4 vS * p nr	2.5'				
F,S,E	2.2'X0.6'				
	2.0'	III 2 p n	10	10.4	
F,pS,R,bM,r	2.8'X1.7'				
	3.0'X2.4'	S(B)dm			
vF,S,R	0.9'X0.8'				
	1.8'X1.1'	Pec			
eF	0.8'X0.7'				
eF,vS	0.4'X0.3'				
F,S,R	0.8'X0.4'				
vF,vS,R,bM,r	2.2'X0.7'	P			
Cl,pmC,irr triangle,st 13	3.0'	I 3 p	15	12.4	
Cl,S,st L and S					
	11.0'	IV 1 p	20	13.0	
	1.5'	II 2 p	15	8.9	

Sheet1

!!Praesepe	95.0'	II 2 m	50	6.3
	482"X335"	4		18.4
vL,B	50.0'	II 3 p	30	3.6
	2.2'			9.2
eF,S	1.2'X1.1'			
vF,pL,gbM,2 B * s,one f	2.3'X2.2'	SBb		
	11"X6"	2a		
eeF,vS	2.0'	II 1p :b		15.0
about 16 stars mags 9...	8.0'	II 3 p	40	5.5
vF,pL,irr oval,sev S points	1.8'X0.7'			
	2.0'	II 3 p	25	10.5
	268"	2b		15.9
eF neb*	2.5'	II 1m:b		13.0
	6.0'	IV 3 p	35	10.7
Cl,pS,mC,iR,gbM,*13...15	4.0'	I 3 m	70	11.7
vF,vS,iF	1.9'X0.7'			
neb*				
Cl,L,Ri,pmE,st11..14	2.7'	III 3 m	80	9.7
	13.0'			
F,S,vIE135,psbM	3.6'X1.1'	Sa		
eF,pS,R	2.8'X2.4'	Sc		
	3.6'X2.0'	Sdm		
F,pS,E 50 deg,gbM,stel N,* 9 sp 50"				
Cl,pS,IRi,IC,iF,st12-13	12.0'	I 2 r :b	80	12.0
cB,S,E130,psmbM	2.0'X1.5'	Sa		
	<5"	1		
eF,S,E				
F,L,R,r	1.7'X1.6'	SBb		
	3.0'X0.7'	Sb+		
	20'	E		
	17.0'	IV 2 p n	40	7.3
			9	7.6
Cl,L,P,IC,*10...13	12.0'	II 3 p	40	7.6
	5.0'	IV 3 p	12	
pF,pS,IE	3.5'X2.4'			
	10.0'	III 1r :b		14.0
	6.0'			
	2.2'	IV 1pn:b		14.0
vF,vS,iR,F* att f	1.6'X1.4'			
1st of 2 vF,vS,vnr 2629				
Cl,pL,P,IC,st13...	9.0'	II 2 p	30	9.3
vF,vS,R,bM,*15 nr				
eF,cL,R,lbM	1.6'X1.5'			
F,S,R,gbMN	2.0'X1.5'			
Cl,pRi,ICM,st12...13	4.0'	I 3 p	40	
	127"	2c		14.3
Cl,st9...10				

Sheet1

vF,S,stellar	2.6'	SO		
2nd of 2 vF,vS,vnr 2629	0.8'			
	6.0'			
	15.0'	II 2 p	40	6.4
eF,psbM	1.3'X1.3'	SOp		
vF,S,lbM	1.7'X0.4'	SBb		
vF,S,stellar	1.3'X1.0'			
F,S,IE	2.8'X1.7'	SBbp		
eF				
pB,pL,bM,*15 p	1.0'X0.8'			
vF,S,2*11-12 f	0.5'	EO		
F,S,IE	2.0'X2.0'	E1		
	1.7'X0.4'	SBb		
pF,S,F* in M,F* close sp	4.2'X0.7'	Sb		
pB,pL,iR,mbM	2.3'X2.3'	E1		
eF,S;nonexistent?				
vF,vS,close f 2672	2.8'X2.8'	EOp		
vF,vS,R,r	1.6'X0.9'			
	7.0'	III 2 p	30	11.0
	5.0'	IV 2p :a		13.0
eF,vS,rr (vS Cl)				
Cl,IC				
pB,pL,iF,eR	1.8'X1.3'	SBb		
Cl,vIC,P				
! Cl,vB,vL,eRi,IC,*10...15	30.0'	II 2 m	200	9.7
vF,S,2 F* 2'.5 sf	1.7'X1.7'	SBO		
	100'	E		
	3.0'	II 1p :b		
eeF,pS,R,4pB* nf	1.2'X1.1'	SO		
pF,pS,R,bM,P w 2680	1.8'X1.8'			
vF,vS,R,bM,P w 2679	1.8'X1.8'			
vF,R,*15p 12S	1.5'X1.1'			
vB,vL,vmE39,gmbM	9.2'X2.6'	Sb		
pF,S,E	2.0'X0.4'			
	1.4'	IV 1p :b		13.0
	2.5'	III 2p :b		12.0
In. Reg. Vry Blk	0.9'X0.4'			
	20"			
eF,S,R,pslbM				
vB,vL,vg,vsembM *10	3.8'X3.8'	Sa		
	60'X10'	5 lr		
pB,pL,BM,* nr	2.3'X1.9'	S(B)b-		
	7"			
	16.8'X15.6'	3a		15.5
eF,vS,stellar				
pF,cS,R	1.7'X1.2'			
pF,vS,mbM	1.6'X1.0'	Sa		
F,pL,R,gbM,4S* nr	0.9'X0.8'			

Sheet1

vF,vS,D or* close f				
vS				
vS				
vF,vS,R	1.8'X1.1'			
wF,S				
wF,S				
pF,R,F* in centre	4.7'X2.5'	Sbp		
vB,cL,IE 90,gsvmbM,diff	6.5'X5.8'	S(B)a		
vF,vS,F* close n,2655 s				
vF,pS,R,*9 np 4'	1.8'X0.9'	Sa		
eF,vS,1'n of 2699				
vF,vS,4' nf 2699				
vF,S,R,*15 np	1.0'X1.0'			
eF,IE,doubtful				
vF,vS,3* 14 f,nf				
pF,pS,E,2* nr	3.0'X1.5'	Sb		
eF,S				
vF,pS,mE,* nr f	1.8'X0.6'			
vF,pS,IE,nnf 2708	0.8'X0.6'			
vF,vS	1.0'X1.0'			
vF,vS,1's of 2693	0.2'X0.2'			
pB,IE,psmbM	1.8'X1.4'	Ep		
vF,S,R,psbM	1.3'X0.4'	Sa		
pF,S,R,vgpmbM	2.1'X1.5'			
	4.0'	III 1m:b		
pB,iR,mbM	4.0'X1.4'	Sb		
vF,S,R	1.0'X0.7'			
	12.0'	n	35	
F,S,R,mbM	1.6'X1.2'	SBO		
	63"X54"	2		16.4
		II 2m :b		
F,pL,E,am 3*	2.3'X2.2'	SBb		
vF,vS,stellar	2.0'X1.3'			
cF,pL,R,vgbM	2.6'X1.9'	S		
	0.8'X0.7'	Pec		
	4.0'X0.6'	Sdm		
pB,fan-shaped,*11 att	2.0'X1.3'	Sc		
F,S,R,bM	1.2'X1.1'	Sc		
pB,L,E,vgbM *18	3.5'X1.7'	Sb		
	20'X10'	E		
vF,S	2.2'X1.1'			
	720'	E		
F,S,R	1.1'X1.1'	SO		
vF,S,E 110 deg,2 vF * inv	1.4'X0.3'	Irp		
	0.9'X0.6'	Irp		
! eeF,vL,vvmE 19 deg				
	2.0'	3 p	30	9.3
eF,S,stellar	1.8'X1.6'			

Sheet1

F,pL,p of 2	0.7'X0.6'		
vF,L,R,bM			
vF,vS,R	0.8'X0.5'		
vF,pL,IE,f of 2	1.2'X1.0'		
F,vS,R	0.8'X0.5'		
eF,R			
vF,L,R	1.7'X1.3'		
	3.6'	IV 1p :b	14.0
	7'X6'	E	
S* inv in vF,vS neb,E pf	1.1'X0.4'	S(B)bp	
	2.5'		10.0
eF,vS,R			
	1.5'X0.4'		
vF,vS,P w 2738	1.1'X0.4'		
pB,S,iF,P w 2737	1.5'X0.7'		
F,S,R,gbM	3.6'X2.8'	S(B)c	
vF,p of 2			
	0.9'X0.9'	S	
eF,vS,stell,f of 2			
vF,S,R,r,D* nr	1.6'X1.0'	SBbp	
eF,S,R,vlbM	1.2'X0.8'		
cF,pS,iR,er	1.8'X0.5'	Sa	
eF,S,R,1st of 3	0.8'X0.5'		
vF,vS,stellar			
pF,S,R,bMN=*15	1.8'X1.7'	E2	
eF,S,E 0 deg,3rd of 3	1.9'X0.5'		
eF,eS,stellar	0.9'X0.5'		
eF,2nd of 3;only a D*,dist 12"			
pF,pL,vmE,gbM	1.8'X0.4'	SBb	
vF,cL,R,bMN,2 c * p	2.2'X2.0'	SBc	
eF,S,R,vglbM,*12 nnp 50"	1.8'X1.7'		
vF,S,R,np 2740			
vF,pS,R	0.8'X0.8'		
	2.1'X0.4'	Ir+	
vF,pS,bM,S* 30" n	2.3'	S	
vS,R,nearly stellar	8"	2b	
vF,vS,*14 np 40"	0.5'X0.3'		
vF,S			
	2.3'X0.6'	Sdm	
vF,pL,E,gbM,er	1.7'X1.0'	SO	
In. Reg. Vry Blk	1.3'X0.9'		
cB,cL,E 90 deg,er	3.3'X1.7'	Sc	
eF,IE,lbM	1.5'X0.9'		
vF,S,iF,lbM,r	1.2'X0.8'		
	2.5'X2.5'	S-	
pB,L,E	5.0'X1.7'	Sc	
cF,vS,R,er,bet 2 pB *	1.4'X0.9'	E	
vF,cS,R	1.0'X0.7'		

Sheet1

vF,vS,iF,bM	1.5'X0.5'			
	12"X10"			
pB,pS,E,vgbM	1.7'X1.1'	Sb		
vF,vS,mE 105 deg	1.8'X0.4'			
vF,S,IE	0.8'X0.4'			
F,L,mE150,r,2* n	3.6'X1.0'	Sc		
vvF,S,R,1st of 4	0.4'X0.3'			
	3.3'X1.7'	SBbp		
vF,sbM *15,2nd of 4	0.6'X0.5'			
cB,cL,R,vgsmbM,r	5.0'X4.0'	Sa		
	3.0'	III 1p :b		
pF,S,E,pslbM,3rd of 4	2.0'X0.5'			
vF,S,IE,4th of 4	2.0'X1.8'	Sb		
F,S	0.7'X0.5'	Sb		
vF,S,R,am 5 S *				
In. Reg. Vry Blk	4.3'X1.0'			
cB,cL,IE,psbM,LBN	1.6'X0.8'	E5		
B,S,vIE,psmbM	3.9'			
! vL,eRi,vgeCM 45 sec d,st 13...15	13.8'	1		
	2.1'X1.2'	Sm		
pB,S,R,psmbM	1.4'X1.0'	E		
eF,vS,92" nf 2778	0.7'X0.7'			
pB,L,R,vgbM,r	3.3'X3.3'	Sc		
B,L,mE 64 deg,gmbM	5.1'	SO		
! Planetary,pB=*9,vS,R,am st	13"	4		
vF,S,R,S D* p	1.0'X0.7'	SBb		
pB,S,E 45 deg,*13 nf,lenticular	1.8'X0.8'	S		
	1.7'X0.2'			
vF,vS,R,2 pB* sp	2.1'X1.5'			
pB,pL,E,vglbM	3.1'X1.2'	Sc		
F,pS,R,glbM	2.6'X1.9'			
	<10"			
vF,vS,mbM				
pF,vS,R,glbM	2.1'	E		
cB,R,mbMBN	4.2'X3.2'	Sb		
	2.8'X2.3'	S(B)d		
	14"X9"			
F,R				
vF,S,R,lbM	0.4'X0.3'			
pF,S,R,gbM	1.7'X1.7'			
eF,pS,iE,sev eF* inv	1.5'X0.6'			
vF,S,R,nearly bet *8 & *9				
F,vS,bet 2 st				
eF,vS,sp of 2	1.2'X1.1'			
	35"	3b		
!pB,pL,R,vglbM,in L Cl	9.0'	II 2 m n	40	11.3

Sheet1

	2.0'	I 2p :b	12.0
	2.5'		
eF,vS,nf of 2	1.4'X1.0'		
	<5"	1	
pB,pS,E,psmbM	2.7'	Sb	
F,S,IE,gbM	3.5'	Sbp	
	134"	2b	19.4
eF,sev * nr	0.6'X0.5'		
vF,S,R,r,np of 2	1.7'X0.8'		
vF,S,R,r,sf of 2	1.7'X0.8'		
eF,pL	1.2'X1.0'		
eF,S,R,lbM	1.4'X0.9'		
vF,S,R	1.5'X1.3'		
vF,S,R,D* p 5s,n 5'	1.3'X1.0'		
eF,*11 att	2.0'X0.4'		
vF,vS,2809 f 7S,n 2'			
vF,stellar,p 2809			
vF,S,R	1.6'X1.4'		
vF,pS,R	2.0'X1.7'		
pB,S,stellar	2.8'X0.9'	SBap	
F,cL,vmE,f 2798	2.1'X0.5'	SBm	
eF	0.6'X0.1'		
F	1.0'X0.8'		
F,*10 inv f,bet 2 st 9	6.3'	Sp	
	0.7'X0.7'	SA0	
	5"		
pB,vS,R	1.4'X1.3'		
eF,R,bM,* f 8s.5	0.3'		
pF,pL,E	3.7'X1.8'	Sc	
	3.9'X1.9'	Sm	
vF,S,IE,* att,* inv	1.4'X0.9'		
vF,S,R,*12 att sf	2.0'X1.0'		
Cl,S,st F,vC	1.0'X0.6'	SO	
vF,vS,R,1st of 3			
vF,S,R	1.1'X0.6'	SBa	
B,pL,IE 90 deg,mbM,r,vS* sf inv	3.5'X2.3'	Sap	
eF,cL,R,vglbM,rr			
vF,vS,R,2825 n 7'	1.5'X0.3'	SO	
F,pS,IE,bM	0.9'X0.4'	Sa	
eF,vS,R,nf 2826			
vF,vS,R,2nd of 3			
	<10"		
F,S,IE,bM,1st of 3	1.2'X0.3'	SBa	
F,vS,R,2nd of 3	1.4'X1.4'	EO	
cB,cL,E,3rd of 3	3.0'X2.0'	E4	
	4.11	0	
F,pS,R,3rd of 3 inline			
vS Cl (neb?)*10 sf 4'			
	4.5'	III 2 p	20 11.6

Sheet1

vF,S,R,bM				
vF,S,inv in 2848,np	0.4'			
vF,cL,E 45 deg,glbM,*11 nf 3'	2.7'	S		
vF,L,R,mbM	7.5'X5.1'	SBd		
S* and neb				
	1.5'			
vF,S,R				
eF,pS,mE,f 2848	1.2'X0.5'			
	0.7'	IV 2p :b		15.0
vF,vS,R				
cF,S,R,*10 np 2'	1.0'X0.9'			
vF,vS,R,mbM				
F,pmE				
F,S,iF,1st of 2	1.3'X0.3'	Ir		
	2.2'	III 1p :b		13.0
!! =*8,vS,R,*15 np (90deg),*nr 13"	12.0"	4		
pB,pL,R,gmbMN	2.7'	E1		
cF,cS	1.9'X0.9'	Sa		
F,S,E,2nd of 2	4.4'X0.4'	SBcp		
vB,L,vmE151,vsmbM = *10	7.4'X3.5'	Sb		
Cl,IC				
F,cS,bM	1.7'X1.7'	E0		
	11"X9"			
	2.0'	II 2 p	30	12.1
	4.0'	II 1p :b		12.0
vF,S,mbM	1.8'X0.9'			
vF,cS,R,*10 p2',1st of 2	1.1'X1.1'	S(B)a		
vF,S,vgbM,2nd of 2	1.9'X1.9'	SBO		
eF,S,R,10s p 2869				
B,S,R,gbM	2.0'	E4		
F,S,R,pmbM,B* nr				
pF,S,iR,*14 f	1.7'X1.5'			
cF,S,E,bet 2* 12,16				
eF,pS,E 170 deg,gbM,bet 2 F st				
cF,cS,vIE,pglbM	1.9'X0.6'			
vF,pL,IE				
cF,cS,IE,bM	1.1'X0.5'			
	6.0'	III 2 p	20	12.5
vB,pL,R,smbM	4.5'X4.0'	SBa		
vF,pL,4 st p	2.4'X2.2'	Sc		
	20"			
F,S,E,bM	2.4'X0.6'			
vF,vS,R,gbM	1.4'X0.6'			
F,S,sev vF * inv	1.7'X1.1'			
vF,S,vglbM,rrr,st 15	2.8'X0.9'			
vF,vS,R,lbM				

Sheet1

	3.5'	III 2p :b		
eF,2872 sf 1'				
vF,S,vIE	1.0'X0.3'			
vF,S,vIE	0.5'X0.5'			
pF,pS,R,bM	1.8'X1.7'	E2		
eF,nf 2874	0.5'	SBb		
vF,pL,mE	2.4'X0.8'			
vF,vS,R,n of E neb				
eF,pS,2 st 9.5 & 10.5 sf	1.1'X0.9'			
pF,pL,R,gbM	1.5'	Ir		
cF,S,R,gmbM	0.8'	E2		
F,S,r?	2.6'	Sa		
F,pL,E	1.7'X0.9'			
eeF,pL				
eF,S,R,bMN				
F,S,R,bM	1.5'X1.4'			
F,pL,R,gmbM,am 80st	2.0'			
	4.0'	III 1m:b		
	2.0'	II 3 p	35	12.5
pF,pS,vIE,vglbM,r	2.0'	Sb		
about 50 stars mags 11....	15.0'	II 2 m	70	10.0
cF,S,E,vglbM	2.7'X0.7'	Sb		
	0.7'X0.4'	SBdm pec		
vF,E,er,2 or 3* inv	2.3'X1.1'			
eF,vS,E 90 deg				
B,cS,R,mbM,am st,in field of 23 Ursa Majoris	2.4'X1.5'	E3		
	0.6'	II 2p :b		14.0
	0.6'	II 2m :b		15.0
vF,vS,IE	1.0'X0.8'			
eF,S				
F,S,IE,psbM	1.5'X1.0'			
eeF,pL,R	1.6'X1.3'			
F,vS,R,*17 att				
vF,S,R,vsbM *12	1.2'X1.2'	SBa		
Cl,cL,pRi,pC,*10..14	5.0'	I 2 p	30	9.3
vF,vS,stellar	1.3'	E0		
	<10"			
	40"			
	3.0'	III 1p :b		
pF,S,IE,mb sf	1.9'	Sb		
F,pS,IE,gbM	1.5'X0.9'	Sc		
cB,vL,E,gmbM,r,sp of 2	13.3'X6.0'	Sb		
vF,cL,R,psbM,r,nf of 2	13.3'			
no description				
vF,vS,R,vgbM,D* 7's				
	1.5'	II 1p :b		
pF,pS,R,lbM	1.4'X1.4'	SOp		
	10.0'			
	5.8'X0.9'	Sc		

Sheet1

F,pL,R,gbM,p of 2	4.0'X3.0'	E2p		
eF,2911 sp				
Cl,pRi,pC,D* taken	12.0'	III 1 p	40	
vF,pL,iR	1.2'X0.8'			
vF,S,R,bMN,f of 2	1.1'X0.6'	SBb		
eF,S,R,p of 2	0.9'X0.6'			
pF,S,mbM	1.5'X0.4'			
F,pS	1.7'X0.6'	SBb		
vF,pS,IE,vglbM,f of 2	2.8'X1.0'			
F,S,vIE	2.5'X1.7'	Sb		
pB,S,R	1.6'	E0		
	4.5'	II 1m:b	14.0	
Cl,eL,vRi,st L and S				
	5.0'	IV 2m :b		
vF,cS,R,sbMN	1.4'X1.0'			
vF				
eF,pL,iR,gbM	1.5'X1.3'			
	<10"			
pB,pS,vIE,gmbM	3.5'	SBb		
vF,S,iR,lbM,r	1.1'X0.5'			
F,pL,R,lbM	1.8'X1.1'			
vF,S,R,bM				
eF,vS,IE,vlbM,1st of 3	1.3'X0.4'			
eF,S,2nd of 3	0.8'X0.4'			
vF	0.9'X0.8'			
F,S,R,glbM,2 or 3 S st nr	1.6'X1.2'			
eF,vS,3rd of 3	0.7'X0.6'			
eF,pS,iR,sbM,*9.5 f 30s				
vF,iR	1.6'X1.5'	Ring		
F,S,like a neb*	1.0'	Ring		
F,vS,IE,sp of 2	1.0'X0.4'			
eF,nf of 2				
eF,pS,*8 f				
vF,S,vIE,bM,triangle st nf	2.6'X0.9'	Sb		
vF,S,5' n of 2939	0.9'X0.7'	SO		
eF,S,iF,D* f 3'	2.4'X1.3'			
eF,vS,IE,p of 2	0.6'X0.5'			
F,S,iR,bM,f of 2	2.2'X1.2'			
planetary,stellar	2"	1		
vF,pL,vgbM	1.7'X0.9'			
In. Reg. Comp. Blk	2'X1.5'			
vF,S,E	1.2'X0.4'			
F,pL,vIE0,vglbM	2.1'X1.6'	Sb		
	268"	2b	15.5	
F,vS,lbM	1.1'X0.4'	SBcp		
vF,vS,R,*9.5 sf 4'	0.9'X0.3'			
pF,S,E				
vF,double?				
Cl,S,IRi,pC,st 13	4.0'	I 1 p	25	11.4

Sheet1

eeF,suspected				
vF,S,R,n of 2	1.7'X1.1'			
	3.5'X3.0'	Ir+		
vF,R,gbM	1.7'X1.4'			
vF,pS,R,vlbM	1.1'X0.8'			
F,vS,vIE,psbM	3.0'X2.2'	Sb		
	11.0'	III 3 p	20	11.5
eeF,S,R,gbM				
	<10"			
cF,pS,iR,glbM,r	1.5'X0.7'	Sb		
	5"			
vF,pS,iR,vglbM	1.3'X1.2'			
	2.0'X2.0'	Sm		
pF,pL,R,vglbM	2.8'X2.8'	Sc		
vF* in vF,IE neb,F* p 30"	2.3'X0.9'			
	12.0'	III 1 p		13.0
Cl,P,E,st10...11				
B,pS,R,vgvmbMN	1.3'X0.9'	Sap		
B,cS,iR,bM,*9 sp 43"	3.4'X2.1'	Sa		
B,vL,IE,vgbM,sp of 3	3.5'X1.9'	Sc		
pF,pS,vIE,psbM	1.5'X0.9'			
vF,pS,vIE,gbMN				
pB,pL,IE,vglbM,2nd of 3	2.4'X1.7'	P		
eF,vS,R,bM,r	1.2'X0.9'			
vF,pS,IE 0 deg,vglbM	1.8'	SBb		
eF,S,R,2980 n 10'	1.2'	Sb		
F,nf of 3	0.9'X0.9'	E1		
eF,vS				
	<25"			
eF,vS,R,bM	0.7'X0.7'			
eF,pS,iR,vlbM	1.2'X0.8'			
F,pS,R,bM,r,stellar	2.6'	SBa		
cB,pL,iF	1.6'X0.6'	Sb		
eF,S,psbM				
Cl,P,IC				
pB,pS,iR,mbM	2.5'	E1		
	1.5'	III 1p :b		
	2.5'			
vF	1.2'X1.0'			
F,pL,R,vglbM,st n	1.4'X1.4'	S(B)bp		
Cl,S,IRi,iF,st12..15				
cF,S,IE,nf 2959	0.7'X0.2'			
F,R,gbM,D* f	1.4'	Sb		
eF,S,iF,sev vF * inv	1.5'X0.6'			
	281"X268"	2b		16.3
	3.6'	II 3 p	20	10.8
cF,S,R,bM,stellar,p of 2	4.1'	Sap		
! vF,vL,vgvsbMN 4",19s.5 d	4.1'	Sc		

Sheet1

cF,S,R,bM,stellar,f of 2	1.6'	P		
	5.0'	IV 3p :a	12.0	
F,pS,IE 90 deg	1.1'X0.6'	S		
F,S,R,*12 att nf	3.1'X2.1'	Sb		
vF,S,*9 f 1'	1.5'X1.3'			
eF,p 2991	1.4'X1.1'			
F,vS,bM,sp sp 2	1.4'X1.1'			
	2.5'X0.9'	S(B)d		
F,S,R,bM,nf of 2	1.2'X0.9'			
B,vL,mE152,st inv	5.5'X3.0'	Scp		
	30"			
eF,S,iR,lbM,r	1.0'X0.3'			
	2.4'X0.8'	SBc		
vF,vS,R,bM	1.2'X0.6'	SBb		
eF,*13 nr				
	5"			
!,cB,L,vmE90	5.7'X1.7'	SBc		
pF,pS,R	1.4'X1.0'			
pF,pL,E51,bMN,r	2.6'X1.3'	Sc		
Cl,pL,pRi,iF,*11..12	5.0'	II 3 p	50	10.6
eeF,vS				
	3.4'	I 3 p	30	11.3
vF,S,iR,r				
eF,vS,*11 np 3'	1.0'X1.0'			
eF,suspected				
vF,pS,E nnp ssf				
eF,pL,p of 2				
	3.6'	II 1 p	20	11.0
vF,S,stellar	0.7'X0.15'			
Cl,cL,IC				
F,vS,alm stellar	0.5'X0.4'			
pB,pS,eE,*7 np, np of 2	2.9'X0.6'	Sa		
eF,vS,R,*9 s	1.5'X1.2'			
pF,S,E,*13-14 p 1'	0.5'X0.3'			
vF,vS,bM	1.3'X1.0'			
vF,S,R,p of 2	1.2'X1.0'			
eeF,eS,stellar	0.9'X0.8'	SO		
vF,pL,R,com	1.1'X1.0'			
F,R,vglbM,f of 2	1.6'X1.6'			
pF,pL,iR,lbM,dif	3.2'X1.6'	SBcp		
F,S,R,lbM	1.3'X1.0'			
eF,f of 2	0.9'X0.6'			
eF,pS,IE 0,r	3.2'X1.8'	SBc		
pF,pS,R,bM,3021 f				
pF,R,bM,r,p of 2	0.8'X0.7'			
eF,vS,R,bM	0.5'X0.5'			
F,L,iR,glbM,S* inv	3.2'X3.0'	SBb		
	2.0'X0.7'	Ir+		

Sheet1

vB,cL,R,psmbM,* inv f	4.3'X3.3'	Sb		
eF,pL,E,r	2.0'X0.5'	Sc		
F,psbM,rr,f of 2	1.9'X0.6'			
eeF,pS,IE,v diffic	2.6'X0.7'	Ir		
pB,pS,vIE,mbM,*10 sp	1.5'X0.9'	Sb		
	1.5'	I 3 p	12	8.7
pB,pS,R	2.6'X1.7'	Sa		
F,pS,R,lbM	1.2'X1.1'			
pF,pL,R,sev vf st inv	1.5'X1.3'			
F,S,sbM *12,bet 2 B st	2.0'X1.7'	Sa		
	5.0'	IV 2p :b		
vF,S,iR	1.1'X0.6'	SBb		
vF,vS,bM,r	1.6'X0.6'			
F,L,R,vglbM,rr,2 B st sp	3.7'X2.4'	Sc		
vF,pS,R,lbM,sp of 2	1.4'X0.6'			
pF,R,sp of 2				
pB,S,vIE,gbM	1.1'X0.7'			
eF,pL,D or biN	1.2'X0.6'			
vF,vL,vmE 122	4.7'X0.8'	Sc		
pF,S,R,gbM,nf of 2	2.1'X1.9'			
F,pL,R,glbM,nf of 2	2.1'X1.5'	Sc		
pB,L,irr oblong	3.9'X2.6'	Sb		
pB,S,R,vgmbM,*11 att S	2.0'X1.4'	E3		
vF,S,R	0.9'X0.45'			
vF,S,R	0.9'X0.45'			
	17.0'	IV 2 p		
vF,vS,F * vnr	2.5'X1.6'			
eF				
vF,cL,R	2.8'X2.0'	Sc		
F,pL,vIE,vgbM,rr,*7 f 92	2.2'X1.2'	Sc		
vF,S,vIE,gbM	1.8'X0.8'			
! eB,eL,E 156,gsvmbM,BN	26'X14'	Sb		
eF,vS,E 45	1.1'X0.3'			
vF,vL,IE,r	5.0'X2.5'	SBd		
vB,vL,vmE(ray)	13'X6'	lp		
cF,pS,IE,vgbM,*10 n 7'	1.9'X0.5'	Sb		
vF,pL,r	2.0'X1.8'	SBc		
vF,cS,vIE,eR	2.4'X0.45'			
	1.7'	I 3p :a		14.0
vF,vS,alm stellar	0.6'X0.3'			
	2.2'X1.0'	lrp-		
vF,pS,IE,glbM	1.9'X0.6'			
eF,S,R	1.0'X0.9'			
vF,vS	0.8'X0.4'			
pB,pS,R,gmbMN,am 3 st	1.6'X1.6'			
	2.5'X0.9'	Sm		
pB,pL,E 106,gbM,*9 4' E	2.2'X0.8'	Sb		
pB,S,R,mbM	1.9'X1.5'	E3		
eeF,eS,stellar (?)	1.1'X0.9'			

Sheet1

	4.0'	IV 2p :b		
neb *13				
vF,S,R,D* att	1.8'X0.7'			
	4.0'			
vvF,*14 att,*11 f	1.2'X0.8'			
vF,S,R,*13 att sf	1.7'X1.2'			
pB,S,R,pmbM,bet 2 st	1.9'X1.3'	E0		
	4.9'X3.2'	Ir+		
vF,cS,lbM,tri S st np	2.2'X1.8'	Sb		
vF,S,mE 90	1.2'X0.4'			
pF,pS,R,vS st inv	1.9'X1.3'	Sb		
vF,pL,iR,vgvlbM	2.4'X2.2'	SBc		
vF	1.0'X0.9'			
eeF,pS,cE,4 st n,nf, D* np	6.9'X0.6'	Sc		
eF,S,E	1.0'X0.4'			
13"-F,pL,E 2X1,nmBM at 100X	5.1'X3.5'	Ir+		
F,L,E,vgvlbM	3.2'X2.2'	S(B)		
eF,S,iR	1.1'X0.4'			
pB,pS,iR,bM,p of 2	2.2'X1.7'	E2		
vF,vS	1.7'X1.4'			
eF,R,lbM,f of 2	1.0'X0.8'			
pB,pS,R,gpmbM	2.8'X1.7'	S(B)Op		
eF,pL,R				
Cl,C,IE,st 13...16	2.0'	I 3 p	20	12.4
vF,S,vglbM	1.2'X1.1'	SBO		
eF,S	1.2'X0.6'			
eF,vS	0.7'X0.3'			
vF,S	1.4'X0.7'			
vF,S	1.4'X0.7'			
F,bM,*9 30" sf	1.6'X1.2'			
F,pS,R				
	12.0'	III 2 m		12.0
	2.3'X1.3'	SBm		
eF	1.2'X0.3'			
pF,vS,R,bM,*11 nr	1.8'X1.7'	Sa		
vB,L,mE 135,long streak	8.7'X1.6'	Sb		
vF,vS,vglbM	1.2'X1.2'	S(B)bp		
pB,S,E 85,psbMN	2.3'X0.6'	E7		
F,S,R,glbM	2.5'X1.8'			
	4.5'			
eF,S				
eF,S				
	1.7'	III 1m:b		15.0
Cl,eL,IC,B,*9...14	35.0'	II 3 r		7.3
	5.0'	IV 1m:b		
cF,vL,vmE 82,lbM	14.5'X3.5'	Ir		
pF,pL,iR,*8 148,112"	0.8'X0.7'			
cB,cL,mbM,R w ray	6.0'X4.5'	E2p		
	2.0'X0.3'			

Sheet1

F,S,IE,vlbM,*15 inv			
F,S,R,sbM	1.8'X1.8'		
eF,pL,E,vf * inv	3.6'X2.3'	Ir	
	0.6'X0.5'		
eF,L,cE	2.0'X1.4'	S	
	10"		
eF,eS,R			
F,vS,iR,r	1.1'X0.5'		
neb *? 2' np 3102			
	3.0'	II 2m :b	
	0.7'X0.6'	Sc	
eF,L,Tri 2* 8m	3.2'X1.5'	Sd	
vF,vS,R,bM,*11,142	0.9'X0.9'		
	3.0'	III 1p :b	
	1.2'		
	6.0'	II 3 m	
vB,L,vmE 46,vgsmbMEN	8.3'X3.2'	E6	
	25'X20'	E	
F,pS,R,gbM	1.8'X1.3'		
13"-eF,pS,nBM at 100X; low surface brghtness	2.8'	12	
	1.2'X0.9'	Ir+	
eF,pL,vlbM,2 S * s	2.8'X2.3'	S	
pB,pS,R,gbM,*13n	2.5'X1.7'	E4	
eF,pL,mE 170,lbM	1.6'X0.7'		
vF,vS,R,S* inv	1.0'X1.0'		
pB,S,R,smbM *12	0.9'X0.8'		
eF,pL,mE 45	1.2'X0.2'		
	3.0'	I 3r :a	
	4.0'	I 3 p	
F,S,IE,er			
	3.0'		
vF			
neb *13			
cF,S,R,vgbM	1.5'X0.8'	E5	
F,pL,R,lbM,D* s	3.2'X2.7'	SBb	
pF,pL,glbM,*9.5 np	1.1'X0.8'		
neb,no description			
!! Planetary,vB,vL,IE *9m	84"X53"	4(2)	10.1
eF,vS,R			
S group of vF st in vF neb	2.5'X0.35'		
	<10"		
pF,S,R	1.4'X0.9'	S	
	33.0'	III 2 p	11.0
	2.5'X2.5'	SBd	
	4.2'X0.7'	Sc	
eF,S,psbM,*5 sf	1.1'X0.6'		
F,S,IE,N=*15	2.9'X0.5'		
	10.7'X8.3'	dE3	
eF,cS,vIE,r			

Sheet1

pB,pS,pmE,gbM	2.3'X0.7'			
eF,vS,R,1st of 2	1.1'X0.25'			
vF,S,IE	6.3'X2.2'			
eF,S,R,2nd of 2				
planetary,stellar	4"			
vF,disc				
	1.7'X1.4'	Ir+		
eF,pS,R,sbMN,1st of 2	1.4'X1.0'	Sc		
! pB,S,IE,3 S * nr	40"X30"	3		
F,R	0.6'X0.5'			
eF,vS,R,2nd of 2	1.4'X1.2'			
F,S	0.9'X0.7'	SBb		
F,pL,mE,vgsIbM,lambda Hya np 8'	3.3'X1.7'	Sb		
F,S,R,gbM	1.0'X0.6'			
	5.9'X4.9'	Ir		
eF,S,R,gbM	1.0'X0.9'			
	1.5'X0.9'			
vF,pS,E,*8-9 sp	2.5'X0.5'			
	4.0'			12.1
	4.0'		8	
F,cS,R,psbM,*9-10 sf 2'	1.8'X1.1'	E5p		
eF,pL,vIE,R,st inv	2.3'X1.0'	Sc		
F,S,R,IbM	1.0'X0.45'			
	<25"			
vF,S	0.9'X0.6'			
*7 in photosphere 2' or 3' d				
vF,mE 0,1st of 3	1.6'X0.8'	Sdm		
pF,cL,R,vglbM,r,S* inv	3.4'X2.8'	Sc		
vF,vS	0.7'X0.4'	SO		
eF,vS,iR,eF* close sp	0.8'X0.7'			
B,pS,R,psmbM,2nd of 3	5.0'X2.8'	S(B)a		
cB,cS,R,psbM,r	2.3'X2.2'	E2		
	3.0'X1.7'	Sc		
vF,vS,stellar	0.8'X0.7'	E2p		
vF,vS,IE	1.4'X0.25'			
vF,vS	0.8'X0.5'			
F,S,R,gbM	1.1'X1.1'	SO		
B,pL,vIE,pgmbM,*11,78,80",3rd of 3	5.5'X3.0'	Sb		
vF,vS	1.4'X1.1'			
eF,S,R,2 B st f	2.1'X1.7'			
F,S;vS Cl of vF st?				
cB,L,mE 51,vglbM	4.8'X1.7'	Sb		
eF,S,R,vglbM	0.9'X0.7'			
eF,pS,iR				
vF,S,R,*13 att f	1.4'X0.8'	SBap		
	2.2'	II 3 p	20	11.0
eF,S,R,gbM	1.7'X1.1'			
	30"	4		
	2.0'X1.0'	Ir+		

Sheet1

F,S,R				
pB,pL,gpmbM	1.1'X0.6'			
F,psbM,stellar,*7-8 np 5'	1.0'X0.9'			
cF,S,R,psbM	1.6'X1.3'	Sb		
vB,L,R,vgsvmbM	4.7'X4.0'	Sb		
! vB,vL,falcate,D* inv	22'X22'	E		
	5.0'			
pF,vS,gbM,sev F st nr				
pF,pL,gmbM	2.0'X1.2'	SBb		
vF,S,R	1.6'X1.1'			
vL,iR,ICM,st 13...16	18.2'	10		
vF,E	3.5'X1.5'	SBcp		
plan = *10,R,am 150 st	12"	2b		
S,R,bMN,in line w 2 st	2.0'X0.5'			
B,pS,E,psbMN	4.5'X1.7'	Sb		
vF,E,connected w 3184				
vvF,mE,parallel to 3190				
vF,E,connected w 3184				
pB,vL,R,vgbM	8.5'X7.8'	Sc		
B,S,vIE,pslbM,*9.5,354,80"	2.5'X2.5'	E0		
pB,E 160,bMN	4.8'X1.8'	Sb		
eeF,pS,IE				
eF,vS,(=3191)				
F,S,R,bM	0.7'X0.45'	SBbp		
	1.5'	II 2p :b		
cB,cL,iR,vgbM	2.3'X1.8'	Sa		
pB,S,cE,gbM	3.0'X0.7'	SO		
vF,pL,R	1.2'X1.2'	SBb		
eF,pL,iR,gbM	1.9'X1.7'	Sb		
	5.0'	III 1m:b	12.0	
pB,vL,mE 45,vgbM	10.0'X3.8'	Sc		
eF,pL,gbM	1.5'X1.0'			
cF,S,R,vgbM,1st of 3	1.3'X0.9'	SBa		
F,S,R,has a *	1.3'X1.1'			
cF,S,R,vgbM,2nd of 3	1.5'X1.1'			
cF,S,stellar,S* f nr				
	0.4'X0.3'	Pec		
cF,S,R,stellar,3rd of 3	1.4'X1.0'			
vF,vS,R,r	1.1'X0.8'	Sa		
vF,disc				
pB,vL,vIE,pslbMN	4.1'X2.6'			
vF,pS,R,vgmbM	1.9'X1.5'			
vF,pS,R,bM	1.4'X1.2'			
pB,cL,E,vglbM	3.0'X2.0'			
F,pL,E,lbM	2.4'X1.3'			
Cl,9 L and a few S st	18.0'	I 1 p	15	7.9
eF,pL,iF,stell N	1.7'X0.9'			
eF,mE,ray	3.3'X0.8'			
F,lbM,rr;bin?	0.9'X0.8'			

Sheet1

eF,S,R,lbM				
vF,vS				
cB,vS,R,sbM,5' p 3220	0.8'X0.4'			
	<5"			
F				
pB,cL,R,D	2.5'X2.2'			
pB,cL,R,D	6.5'X4.5'	Sa		
pF,pS,sbM *14,*9-10 s 19"	2.3'X1.1'			
pF,cL,E 92,*9 f 9'.5	1.3'X0.5'			
	5.0'	ll 2 p	40	
	1.5'	l 3 p n	12	11.4
	3.4'X2.3'	SB+		
eF,*11 p 150",ls,p of 2	0.7'X0.6'			
F,pmE,glbM,*11 np	1.5'X1.1'			
eF,S,R,* nr	1.1'X0.9'			
	2.5'X1.7'	SB+		
! vB,IE 147,45" d,blue	40"X35"	4(3b)		11.0
pB,pS,R,psbM,(=3235)				
F,S,f of 2	1.2'X0.9'			
vF,*9 inv nr M	6.0'X4.0'			
cF,pL,IE,vgbM	2.3'X1.2'			
vF,*11 n 90"	2.0'X1.5'			
vF,vS,R,pgbM	1.1'X1.1'			
	1.3'X0.6'			
st inv in neb	7.0'	ll 2 p n	20	10.0
eF,pL,R,vgvlbM	1.6'X1.3'			
vF,S,IE,bet 2 st	1.6'X1.3'			
	12'X12'	E		
cB,cL,er [place?]				
pB,pL,R,vgpsbM,*13,45	3.2'X2.1'			
Cl,pS,vC,st 15	2.0'	l 3 m	30	12.4
eF,S,R,2 st tri,*6,300,8'	2.3'X1.4'			
F,S,R,pslbM	1.3'X1.3'			
Cl,cL,P,IC,*10...12				
eF,vS,psbM,2 st 11-12 f	3.6'X0.3'			
stellar,1st of 3 in line,1' apart				
vB,pL,E 0,smbMEN	2.9'X1.9'			
Cl, around * 5.4 mag	8.0'	l 3 m n	25	4.6
	1.8'X0.5'			
	2.3'X0.6'			
pB,S,R,psbM	2.5'X1.1'			
cB,S,R,gmbM	3.5'X2.0'			
	1.7'X0.3'			
	1.2'X0.2'			
vF,S,2nd of 3	1.7'X0.9'			
	1.1'X0.5'			
vL,eF,lrr,mE PA50,stellar group on N edge	12.3'X5.9'	S+		
vF,pS,R	1.2'X1.1'			

Sheet1

vF,vS,R,psbM,1st of 4	1.1'X1.1'			
cF,S,R,pslbM,2nd of 4	1.8'X1.7'			
vF,S,3rd of 3	1.1'X1.0'			
	2.1'X1.4'			
F,S,R,am st	4.1'X3.2'			
	2.0'	III 1p :b		13.0
vvF,vS,R,pslbM,3rd of 4	1.3'X1.1'			
	1.5'X1.1'			
	1.8'X0.5'			
eF,S,R	1.1'X0.9'			
vF,pL,3 B * sp	2.0'X0.4'			
cB,L,mE 45,psmbMN	5.3'X1.5'			
F,S,mE 280,psbM	5.1'X1.4'			
	4.0'	III 2p :a		
eF,vS,R,1st of 4	2.4'X1.4'			
F,S,R,bM,3rd of 4	3.1'X1.5'			
F,S,R,2nd of 4	2.0'X1.7'			
	3.6'X2.2'	S(B)+		
pF,S,E,pmbM,4th of 4	2.3'X1.1'			
vF,vS,R,pslbM,4th of 4	2.3'X1.1'			
	9.0'	II 2 p	35	
F,L,vIE,pslbM	2.8'X2.3'			
	9.0'	III 3 m	15	12.0
pF,S,R,psbM,* sf	0.9'X0.7'			
F,S,*8 p	1.0'X0.6'			
	3.4'X0.7'	S(B)d		
	2.5'X1.9'	S(B)c		
	1.2'X0.9'			
cF,vS,E,glbM	3.1'X0.8'			
	30"			
F,S,R,D* nf	1.3'X0.9'			
	8"			
	1.6'X0.9'			
eF,pL,E,glbM	3.3'X1.8'			
F,vS,iR,3277 nf				
F,pL,R,glbM,D* f	2.1'X1.1'			
eF * in eF,vS neb,bet 2 st	1.9'X0.6'			
eF,bet 2 S st	3.5'X1.5'			
	1.6'X0.3'			
	1.1'X1.1'	Irp+		
F,S,R,gbM	2.3'X1.2'			
F,biN	0.2'X0.1'			
	0.1'X0.1'			
eF,pL,bM,D or st inv				

Sheet1

	0.1'X0.1'			
eF,pS,R,bM				
cB,cS,R,pgmbM	2.4'X2.2'			
	1.4'X0.3'			
pF,S,R,gbM				
	1.4'X1.2'			
eF,S,iR				
cF,vS,R,psmbM *	1.4'X1.2'			
pB,S,IE,gbM,1st of 9	2.5'X1.7'			
	2.0'X0.4'			
eF,vS,R	2.2'X0.5'			
	9"			
eF,pS,mE,r	1.7'X0.2'			
F,mE	2.9'X0.3'			
	1.3'X1.0'			
F,pL,D* p 24",s 4'	2.1'X1.0'			
	2.3'X1.3'	S(B)m		
eF,S,IE 0,gbM,B* n 6'	1.4'X0.9'			
F,E,gbM,*6-7 vnr	2.2'X1.1'			
	1.4'X0.4'			
vF,vS,IE	1.1'X0.9'			
eF,S,R	1.7'X1.2'			
Cl,B,Ri,pL	6.0'	l 3 r n	6.5	
		n	30	7.9
	12"X7"	2a		
eF,vS				
*13 inv in vF neb				
cB,L,mE 135,glbM	3.8'X1.8'			
vF,pS,R,pslbM	0.8'X0.5'			
vF,S,R,2nd of 9	1.1'X1.1'			
eeF,3rd of 9	1.0'X0.5'			
eF,cL,R,vgbM,r	2.0'X1.7'			
eF,cS,R,vglbM	1.1'X0.7'			
F,S,R,4th of 9	2.0'X1.4'			
cF,cS,R,pmbM,r,am B st	1.8'X0.9'			
B,L,R,p of Dneb,5th of 9	1.9'X1.7'			
	1.8'X1.1'	lr+		
B,L,R,f of Dneb,6th of 9	2.5'X2.2'	E2		
	11.5	1		
cB,S,IE 53,psbM,r	3.4'X1.1'			
cF,E,gbM,7th of 9	3.6'X1.5'			
vF,vS,vIE,glbM,r	2.5'X2.0'			
F,S,R	1.4'X0.5'			
vF,pS,iE				
8th of 9 neb	2.0'X1.2'			
vF,pL,iR,gvlbM,* 1' np	1.1'X1.0'	S0		
cF,pL,pmE,lbM	2.6'X1.5'			
pB,vvL,iF,D* inv	6.0'	l 3 r n	8.2	
neb *,5' n of NGC 3316				

Sheet1

eF,pS,iR,gbMN,*15 s 3"	3.9'X3.2'			
vF,cS,psbM,er	1.5'X0.5'			
F,S,R,bM,9th of 9	1.2'X0.9'			
	1.5'X1.1'			
	15.0'	n	40	
	0.6'X0.6'			
Cl,P,st 9...	7.0'	ll 2 p	30	8.8
	<5"			
cB,pL,R,vg,vsmbMN 15"	3.8'X3.5'			
eF,pS,mE 160,* np end	2.2'X1.2'			
F,iF,* p				
vF,S,vIE 0	1.2'X0.9'			
cF,L,mE	7.5'X4.3'	SBC		
F,vS,vS* inv	1.0'X0.9'			
vF,eS,stellar	0.7'X0.6'			
F,pS,mE,*10 nf	2.2'X1.0'			
vF,S,iR,gbM	1.1'X0.9'			
	5"			
vS,Cl,not nebs				
vF,vS,R,lbM	1.4'X0.7'			
eF,vS,mE,*15 att	2.0'X0.4'			
vF,S,R,gbM,vS* att	1.4'X0.9'			
vF,pL,IE,glbM	1.9'X1.5'			
	2.0'X0.7'			
vF,S,IE 130	1.4'X1.4'			
	1.5'X1.2'			
In. Reg. Comp. Blk	0.2'X0.2'			
	9"			
cF,vS,R,bM	1.1'X1.0'			
eF,vS,alm stellar				
	3.2'X0.8'			
F,cL,E,vgbM,*7 p 10"	5.2'X3.5'			
	14.0'	ll 3 m	50	9.7
eF,stellar	0.9'X0.8'			
		n	40	8.6
F,S,R	0.9'X0.8'			
eS				
vF,vS	1.4'X0.4'			
	4.6'X3.8'	Ir+		
eF,eS				
pF,S,mE 0,vsmbM,1st of 3	4.4'X2.6'			
	15.0'			6.3
	1.9'X0.6'	S0		
F,S,vIE,psbM,2nd of 3	0.8'X0.7'			
Cl,incl Theta Car	50.0'	ll 3 m	60	2.8
cB,L,gbM,* inv,2 st f	7.5'X7.0'			
neb,no description				
eeF (if anything)				
cF,vS,vIE,vS* att,3rd of 3	3.3'X1.9'			

Sheet1

cF,vL,R,vgvlbM,er	2.6'X2.5'			
eF,vS	1.0'X0.7'			
! great neb,Eta Carinae	120'X120'	E		
	5.0'			07.0
B,L,R,pgmbMN	8.5'X5.0'	SBb		
vF,pS,R,bM,*9 s 150"	1.8'X0.8'			
pB,S,R,bMN	1.5'X1.1'			
vF,R,P w NGC 3361	0.8'X0.6'			
	60.0'			
F,S,mbM	1.4'X1.3'			
eF,vS,2 st 9-10 s				
	2.1'X1.0'	Sm		
	1.8'X1.7'	Ir+		
mE 160,brighter than NGC 3360	2.0'X1.5'			
	9"X8"			
pB,S,IE,psmbM	2.2'X1.3'			
vF,pS,R,lbM,r	1.4'X1.1'			
	3.0'	n	20	8.4
	4.0'			
	10.0'	n		6.2
F,pS,iR,lbM,r	1.6'X0.9'			
	4.0'			
F,cS,R,pgbM,* s 90"	1.5'X1.1'			
pF,S,R,gbM	1.3'X0.9'			
eF,L,eE 159,vgvlbM	4.6'X0.8'			
	7'	E		
pB,cL,iR,vglbM,r,1st of 3	2.3'X2.2'			
pB,L,E 0,glbM	8.0'X4.8'			
cF,S,R,glbM	1.5'X1.4'			
eF,vS,R	1.4'X0.8'			
vB,vL,IE,vsvmbM,r	7.5'X5.0'	Sbp		
eF,R,2nf of 3				
F,S,R,gmbM	0.5'X0.4'			
cB,pL,vIE,gbM,r	2.9'X1.7'			
F,R,3rd of 3				
B,S,ilE,psbM,*11 282,21"	2.0'X2.0'			
	1.7'X1.6'			
F,pL,iR,glbM	1.4'X1.1'			
		n	20	8.4
vF,S	0.8'X0.25'			
vB,cL,IE,svmbMBN	4.0'X2.5'			
	1.7'	ll 2 p	15	10.0
vB,cL,R,psbM,r	3.8'X3.8'	E1		
vF,cS,iR	1.4'X1.0'			
vF,L,R,vglbM,r	2.5'X2.2'			
In. Reg. Vry Blk	0.3'X0.3'			
F,S,pmE 0	4.0'X0.7'	Sb		
vF,S,R,s of 2	1.4'X0.8'			
vF,S,IE,bM,n of 2	0.8'X0.7'			

Sheet1

eF,eS	0.8'X0.7'	
pB,pS,R,sbM	1.6'X1.3'	
F,R		
vB,L,R,psmbM,2nd of 3	5.4'X2.8'	E7
F,S,R,psbM,2st 10f	2.2'X2.0'	
pF,cL,iR,vglbM	2.0'X1.9'	
F,L,E pf,vglbM,3rd of 3	2.9'X1.2'	Sc
F,S,iR;S CI?		
vF,L,R,vgbM,r,D* sf	1.8'X1.7'	
	18"	
F,S,R,bet 2 st,nr	1.0'X0.7'	
F,vS	0.9'X0.9'	
F,eS,alm stell,close to S*	0.9'X0.9'	
cB,pS,ilE,1st of 2	1.8'X1.0'	
pB,pS,ilE,2nd of 2	3.7'X1.4'	
F,R		
eF,vS,R,pgbMN,*8.5 s 6'	1.3'X1.1'	
eF,S,E 200,2 vF st inv	1.2'X0.2'	
pB,vL,E pf	2.6'X0.7'	
F,S,R,lbM	0.5'X0.5'	
eF (not verified)		
	1.3'X0.5'	Irp+
cF,S,IE,vgbM	2.0'X1.6'	
pF,S,R,bM	1.2'X0.7'	
2 neb,F,R	2.0'X1.6'	
pF,R		
B,S,IE 135,smbMN	3.3'X1.9'	
eF,vS,alm stell		
vF,S,psbM,st nr	0.8'X0.6'	
pB, pS, gbM,r	0.7'X0.7'	
2 neb,F,R	1.3'X0.3'	
F,vL,R,vgbM,rr	4.3'X3.6'	Sc
eF,S,E 130,gbM	1.3'X0.3'	
F,vS,R,alm stell,S* vnr	0.7'X0.6'	
	1.7'X0.15'	
B,pL,R,mbM	3.0'X2.6'	
cF,S,R,bM	1.2'X1.0'	
F,S	1.9'X0.8'	
	0.6'X0.3'	Pec
neb,no descr	1.3'X0.9'	
eF,eS,R	1.1'X1.1'	
vF,S,IE,glbM	1.6'X0.7'	
vF,S,E,er	1.5'X1.2'	
pF,S,R,D* n	1.8'X1.5'	
pB,S,vIE,stell,3 S st nr	2.1'X1.2'	
eF (F*?),n of 3415	0.4'X0.2'	
pF,pL,IE,sp of 3	2.7'X0.8'	
pB,R,pgbM	1.1'X1.0'	
F,pS,dif,2' sf 3406	0.7'X0.5'	

Sheet1

F,pS,R,vglbM	2.3'X1.9'			
vF,vL,R,vgbM	4.0'X3.6'			
Cl,pL,P,IC,iF,st 9...13				
pB,L,iE,gbM,2nd of 3	4.0'X2.2'			
vF,cS,R,2 pB st s	0.9'X0.7'			
vF,vS,R,vS * nr	1.4'X0.7'			
eeF,vS,alm stell				
vF,eS,alm stell	0.9'X0.8'			
pB	0.8'X0.4'			
pB,pL,vmE 40,** close sp	7.5'X2.0'			
pB,pL,IE 120,gbM	2.8'X0.9'			
F,S,R,*6-7 sf	2.6'X1.2'			
eF,vS,pmE	1.1'X0.12'			
eeF,vS,R	2.6'X1.2'			
F,vS,R,mbM,r?	0.7'X0.5'			
	0.9'X0.3'	Pec		
eF,vL,vgvlbM,B ** sp	4.2'X2.3'			
	1.7'X0.8'	IB(s) pec		
	5.0'	IV 1p :b		
F,S,R,bM	1.1'X0.6'			
vF,S,IE	2.3'X0.5'			
pF,L,iE,vgbM	3.5'X1.5'			
	2.2'	I 3 p	15	10.9
	4.5'	IV 2m :b		12.0
	72"			10.5
eF,R,n of S*	1.0'X0.3'			
eF,att to *12 f	2.1'X1.5'			
cB,vS,iF				
F,pL,vIE,vlbM	1.9'X0.9'			
pF,S,E,gbM,r,sf of 2	2.8'X1.8'			
pF,IE,np of 2	2.4'X0.5'			
cB,pL,iR,vglbM,*10 nf 2'	1.7'X1.6'	Sc		
	30"	4		
2 or 3 S st and neb	1.0'X1.0'			
B,pL,mE 67,gbM	5.3'X1.5'			
vF,S,E,gbM	1.6'X0.5'			
eF,pL,E 125	2.8'X2.0'	SBb		
pB,R,no * nr				
cF,pS,IE,vgbM	1.9'X1.3'			
F neb 5' nf NGC 3460				
	0.9'X0.6'	Pec		
F,S,R,glbM	1.5'X0.7'			
vF,vS,vIE,psbM	1.7'X1.2'			
vB,vS,R,stellar	1.4'X0.8'			
	<25"			
	5.0'	II 2 p	30	10.3
	35"	4		8.5
vF,*9 90,p of 2	1.1'X0.6'			
vF,R,vsmbM *12,f of 2	0.9'X0.8'			

Sheet1

eeF,S	1.4'X1.0'				
	8.0'	III 2 p	20		
		I 2pn:b			
eF,S,R,gbM					
F,eS,R,bM	1.6'X1.0'		20	11.4	
vF,E,bet 2 st	1.1'X0.9'				
eF,vS,alm stell					
vF,pS,R,s of NGC 3473	0.7'X0.6'				
eeF,eS,stell					
vF,R,gbM,*13 1' n (2' s?)	1.7'X1.2'		10	11.5	
	1.5'				
eF,S,R,gbM					
vF,S,R,vgbM	1.7'X1.3'				
S,stellar					
eF,pS,E 90,gbMN	1.5'X1.0'				
pF,S,R,bM,am st	1.8'X1.3'				
vF,S,R,bM	1.9'X0.9'				
eF,pL,R,vglbM,** nf	1.5'X1.2'				
eF,S,R	2.6'X1.3'				
eF,vS,rr,prob vF Cl,*9 5' sf	0.7'X0.6'				
Cl,pL,pRi,lC,st 13	9.0'	III 1 m	60	11.8	
vF,S					
F,L,R,glbM,r	2.6'X2.4'				
		II 2 p	8	9.4	
vB,pL,lE 80,smbMN	3.2'X1.9'				
planetary, stellar, 10.5 mag	5"	1			
cB,cL,R,gmbM	7.2'X5.1'				
eF,cS,R,bMN	0.8'X0.8'				
eeF,pS,R,v diffic	1.0'X0.4'				
pF,S,*9.5 p 20",1' s	1.1'X0.7'				
	0.6'	III 2 p		10.4	
vS,NGC 3495 6' s					
vF,pL,mE	4.8'X1.0'				
3 S st 10 in vF neb	3.0'	E+R			
eF,vlE,pS,*13 s att	2.1'X1.4'				
vF,vS,iR,glbM					
vF,R,bM,* sp	1.1'X0.4'				
vF & eF,Dneb,v near					
	1.5'X0.4'	Sbc			
eF,pL					
eF,pL,iR,glbM	1.2'X1.2'				
	2.3'X0.8'	Sd			
pF,S,R,glbM,*14 nr					
F,pL,lbM (place doubtful)	1.6'X1.5'				
vF,mE ns,gbM,3' long	3.8'X0.5'				
F,S,bM,* 0'.5 nf	1.1'X0.8'				
very doubtful object					
vF,cS,R,vglbM	1.3'X1.3'				

Sheet1

B,L,E,mbMN,rr,p of 2	2.5'X2.5'			
vF,vS,stellar	0.8'X0.7'			
vF,vL,mE	5.4'X2.2'			
cF,pL,R,sbMS *,*9 att 25	3.4'X2.8'			
F,L,cE,*7,310,8'	4.2'X0.9'			
vF,vL,mE	2.8'X2.3'	SBC		
	0.3'X0.2'	Pec		
vF,pL,R,vgvlbM	1.1'X0.9'			
	20"	3		
F,pS,R,pgbM,f of 2	1.7'X1.6'			
Cl,pRi,pC				
eF,eS,IE				
eF,S,IE?	2.1'X0.9'			
	4.0'	III 2 p	30	11.2
vF,S,R,sev eF st inv	1.0'X0.7'			
	1.7'	III 2p :b		12.0
eF,vS,iR,gbM,sev vF st inv				
eF,S,R,vgbM	1.0'X0.9'			
cB,cL,mE 140,vsmbMN	13.5'X7.0'			
		IV 2 p	40	6.6
	1.9'X1.7'	Sdm		
	7'X7'	E		
F,pS,gbMN				
!!,Cl,eL,R,IC,st 8...12	55.0'	II 1 m	150	7.1
F,S,IE,psbM,2 st np in line	1.7'X0.5'			
pF,vS,IE	1.2'X0.7'			
	3.0'X1.7'	SBdm		
	2.5'X1.3'	Sc		
pB,vS,iR,psmbM *	2.1'X1.8'			
E 50,*11 at sp end				
eF,vmE 50	2.0'X0.5'			
	2.2'X0.6'	Irp+		
eeF,vS* att	2.8'X0.6'			
B,S,R,pgmbM,1st of 3				
eF,S,*10 p 60"	1.2'X1.1'			
F,S,R,pslbM,p of 2	2.6'X1.4'			
eF,S,R,vlbM,f of 2	1.0'X0.8'			
	2.0'	I 1p :b		
vF,S,vF st inv	1.2'X1.2'			
cF,vS,R,bM,r	1.2'X0.5'			
	1.0'X0.4'			
vF,*9 np 3'	1.4'X0.4'			
vF,S,R,pgbM	0.7'X0.3'			
F,S,R,bM	1.8'X1.4'			
nebulous *	0.4'X0.3'			
eF	1.1'X0.2'			
vF,R,psbM,*7 p 7'	1.4'X1.2'			
	100'	6		

Sheet1

eeF,vS,R,sp of 2	5.0'	II 2p :b		
vF,R,nf of 2	1.8'X1.7'			
	1.9'X1.1'			
neb *12,*12 2' nf	0.8'X0.4'			
F,S,IE,vlbM	2.1'X0.9'			
vF,vS,R,gbMN,1st of 2	1.0'X0.6'			
eeF,eS,R,gbM,2nd of 2				
eF,L,R,stell N	2.7'X2.6'	S		
vF,S,irrR,lbM,r	0.8'X0.3'			
B,S,R,pgmbM,1st of 3	4.0'X2.7'			
vF,vS,irrR,lbM,r				
eF,S,*8,p				
Cl,pRi,IC	7.0'	I 2 m n	35	7.9
eF,vS,2nd of 4				
eF,vS,forms Dneb w NGC 3552				
	40'	1		
F (var?),S,R,bM,*9 f 1',1st of 4	1.1'X1.0'			
pF,S,R,bM,2nd of 3	2.1'X0.4'			
F,S,R,gbM				
eF,pS,IE,r	1.3'X0.9'			
vF,pS,R,bM,3rd of 4				
	3.0'	I 3 p		7.1
eF,vS,E 0,r	1.4'X0.3'			
vF,pL,R,* inv,3 B st nr,3rd of 3	2.5'X0.8'			
pF,S	0.9'X0.8'			
cB,cL,cE 160	3.3'X1.0'	Sb		
vF,pL,4th of 4	5.3'X1.0'			
	25.0'	III 1 p n	30	4.6
eF,R,sbM,r	1.2'X0.9'			
eF,S,R,glbM,3 st 11 f	3.6'X1.0'			
pF,pL,*8m 2'n	1.1'X0.8'			
	1.1'X0.8'			
	12.0'	III 2 p	30	8.1
cB,vL,vmE 79,pBM	8.8'X2.2'	Sc		
vF,pL,*17 nr				
vF,L,mE 95,bM				
pF,pL,iF,bM	3.3'X1.3'			
	1.5'		10	8.3
F,IE,1st of 6	20'X15'	E		
F,IE,sbM,2nd of 6				
vF,vS,R,bM	1.0'X1.0'			
F,vS,stell	1.1'X1.0'			
*12 w fan-shaped neb att,3rd of 6				
eF	0.4'X0.3'			
	3.0'	I 3 p	10	10.2
B,bM*,4th of 6				
F,L,E 0,bM,5th of 6				

Sheet1

eF,S,E 160,6th of 6				
doubtful object,probably a neb				
pF,pS,IE,gbM,*15,22,70"	1.7'X1.3'			
Cl,pRi,C,E	4.0'	II 1 p	25	10.3
pB,pL,R,*11 p				
	3.0'	I 2 p n	15	8.5
vF,*14 f	0.9'X0.3'			
B,pL,E,vsmbMN,2 B st tri	2.9'X1.6'			
	1.9'X1.4'	S+		
	12'X11'	dE0		
eF,vS,p of 2	1.6'X1.6'			
vF,cS,4 sec foll Delta Leo (& 8' south)	1.1'X0.9'			
vF,S,iR,lbM	1.0'X0.8'			
pB,pL,R,vgmbM	2.7'X2.0'	Sb		
	10.0'	III 3 m	40	
eF,S,pmE 60	2.0'X0.5'			
B,cL,E 90,psmbM	5.2'X2.1'			
vF,pS,R,bM	1.9'X1.5'			
!! vB,vL,R,vvg,vsbM	202"X196"	3a		14.0
pF,L,R,glbM	4.4'X4.4'			
globular and neb,st 15...18	2.5'	I 1 p n	30	11.3
F,vS,stell,* n	1.6'X1.2'			
vF,L,E,vgbM,in tri of L st	1.7'X0.9'			
B,pS,R,pgmbM	2.5'X2.5'			
vF,vS,vIE,stellar,cB* n	1.6'X0.7'			
vF,pS,alm stell	0.6'X0.5'			
eeF,vS,alm stell				
pF,S,IE 0,vgbM	4.2'X1.0'			
vF,vS,stellar	1.3'X1.1'			
F,pS,pmE,gbM				
eF,S,R,gbM	1.5'X1.3'			
pB,S,IE,mbM				
	2.16	1		
	3.0'	IV 1p :b		
F,S,R,sp of 3	1.2'X0.6'			
vB,L,R,vmbM,2nd of 3	4.5'X4.0'			
B,pL,R,psbM,3rd of 3	3.0'X2.5'			
pF,cS,iR,psmbM,*10 np 3'	2.7'X2.7'			
pF,S,bM	1.2'X1.0'			
F,S,R,gbM	1.8'X1.3'			
	<10"			
Cl,pC	12.0'	II 3 m	100	10.0
cF,vS,smbM,stellar,p of 2	1.4'X0.9'			
eF,pL				
pL,dif,*10-11 nf 2'	1.0'X0.8'			
	0.8'X0.8'			
F,pL,IE 90,glbM,r	4.6'X2.8'			
cB,vL,E 160,am 4 st	10'X6.5'			
vB,pS,IE 90,vsmbMSN	3.2'X3.2'			

Sheet1

vF,S,f of 2	1.0'X0.8'			
vB,cL,mE 305,smbMN	3.4'X1.8'			
eF	0.9'X0.6'			
B,vL,mE 165,gbMBN	9.5'X2.3'			
cB,cL,R,vgmbM	4.0'X3.0'	SO		
	4.0'	I 2 p	70	11.1
B,S,vIE,sbM	2.8'X2.0'			
	2.2'X1.3'	Ir+		
B,vL,mE 150,mbM,2 st np	9.0'X4.2'	Sb		
pB,S,R,gbM	1.3'X0.5'			
pB,S,R,smbMN	1.9'X0.8'			
pB,vL,vmE 102	15.5'X4.3'			
eF,vS,2 st 10 f	2.2'X0.7'			
vF,S,R,2 st nr	1.2'X0.4'			
F,vS,R,lbM,*7 f,p of 2	1.1'X1.1'			
pB,* inv				
cF,L,R,vgvlbM	2.1'X1.6'			
F,S,IE 135	2.1'X0.5'			
eF,eS,R,bMN,P w NGC 3635	0.8'X0.5'			
eF,eS,R,bMN,P w NGC 3634	0.2'X0.2'			
F,vS,R,psbM,*7 p,f of 2	1.7'X1.6'			
pB,L,R,svmbMrN	6.0'X5.0'			
B,pL,R,psbM	4.5'X4.0'			
F,vS,alm stell,NGC 3640 2' n	0.8'X0.8'			
eF,vS	0.8'X0.3'			
vF,vS	1.6'X0.7'			
pF,S,R,vlbM,15' f NGC 3626	0.6'X0.5'			
13"-5 gals seen at 165X, 2 brightest pF,S,R	4.11	1		
eF neb*				
pB,S,E,bM				
cF,cL,IE,gbM,sp of 2	3.8'X2.2'			
vF,pS,R,gbM,nf of 2	1.5'X0.5'			
pB,pL,R,vgbM	6.2'X5.0'			
cF,vS,R,bM,np of 2	1.1'X1.1'			
vF,vS,sf of 2	0.9'X0.6'			
eF,S,R,bet 2 st	1.7'X0.3'			
pF,cL,IE,vgbM	2.9'X0.8'			
pB,S,pmE,bMN = close ** ?	1.3'X0.8'			
pB,pS,iR,bM,r	1.6'X1.0'			
	2.5'	II 1p :b		
	3.3'X0.8'	Sm		
pB,S,R,vgbM,*12 p	1.7'X1.7'			
F,pL,iR,vgbM	2.8'X2.3'			
F,S,R,stellar,p of 2	1.3'X0.4'			
cF,S,IE,r	2.0'X1.0'			
vF,S,att to *13	1.5'X0.8'			
cF,vS,R,stellar	2.9'X2.9'			
	<10"			
F,S,R,svmbMN = *14	1.8'X1.7'			

Sheet1

eF,fan shaped,* close	1.9'X1.3'			
F,S,IE 15	1.8'X1.1'			
pF,pL,iR,vlbM	1.2'X0.9'			
	1.0'X1.0'			
pF,biN	1.9'X1.7'			
F,E 90,*6 f 34",5' n	4.5'X1.2'			
	1.0'X0.3'			
vF,vS,R	1.3'X0.7'			
cB,cL,iR,pgmbM	3.5'X3.0'			
pB,L,E 0,gbM	4.1'X2.1'	Sb		
F,vL,gvlbM,*7 s 6'	3.5'X2.5'			
vF,pL,pmE 135,er	2.2'X0.5'			
F,pS,iR,gbM,*9 np	2.1'X1.3'			
eF,vS,R,2 st 10 nf,sf				
Cl,cL,pRi,iC,*10.14	12.0'	I 2 p	30	10.1
vF,vS,2 vS st inv				
vB,cL,vmE 0,vsmbMN,many st p	6.8'X3.5'			
eF,vS				
vF,S,R,psbM,*12 nf	0.8'X0.7'			
eF,cL,R,r,v nr vB*				
eF,S,R,vsbM *,2 st 11 nf	1.6'X1.4'			
pF,iF	1.5'X0.5'			
B,pS,R,bM	2.7'X2.7'			
	4.0'X2.7'	Sd		
pF,pS,R,2 * nr	0.7'X0.4'	Pec		
	188"X174"			17.4
	1.8'X0.9'	Pec		
pB,pL,E,vgbM	3.5'X2.4'			
	9"			
cB,pL,E	2.1'X0.8'			
pB,L,vIE,vgbM,r	3.1'X2.5'			
cB,S,iR,spmbMN	2.3'X1.6'			
eF,eS,IE 0,gbM	0.6'X0.5'			
pB,pS,R,lbM,r	1.8'X1.8'			
	1.4'X0.8'	Pec		
B,pL,iR,pgpmbM	67"			
F,pS,IE,r	1.1'X0.9'			
pB,pL,IE,bM	1.6'X1.0'			
cF,S,E,gbM	2.6'X0.5'			
F,mE,r	3.1'X0.7'			
pB,pS,vIE 80,pgbM,S st sf nr	2.9'X2.1'	Sp?		
vS, dbl nebula with 3690	1.2'X1.0'	SBm		
	30"	3(4)		
eF,vS,E 90	2.5'X0.7'			
eF,eS,R,bMN	1.2'X1.0'			
	<5"			
cF,S,R,mbM	1.1'X0.9'			

Sheet1

eF,vS	20'X10'	E		
F,pL,bM	2'X2'	E		
eF,pS,NGC 3694 4' s	1.1'X0.7'			
	2.4'X1.8'			
	2.1'	12		
pF,pL,IE	2.0'X0.9'			
	1.9'X0.5'	Sdm		
eF,vS,*9 s 4'	0.8'X0.4'			
eF,NGC 3694 p	1.1'X0.7'			
eF,vS,gbMN				
pB,cS,R,psmbM	2.9'X1.9'			
vF,pS,*9-10 2' ssf	0.4'X0.4'			
pF,pL,R,vsmbM,r	5.0'X2.2'			
vF,S,*15 (neb?) 2" f				
eF,eS,R,glbM	1.3'X0.7'			
	21.0'	II 1 m	60	10.0
	15'X15'	E+R		
vF,S,R,gbM				
eF,eS				
F,S,*7-8 nf 5'	1.0'X0.8'			
F,vS,R,smbM	1.7'X0.6'			
pF,S,R,vgvlbM	1.0'X0.6'			
pB,S,mE,*13 att	5.8'X1.4'			
	2.0'	IV 1m:b		14.0
F,cS,R,sbMN	1.2'X0.8'			
vF,vS	0.7'X0.6'			
	<10"			
F,S,R,psbM	2.2'X1.0'			
vF,np of 2	2.1'X1.5'			
vF,sf of 2	1.0'X0.9'			
F,S,R				
	1.6'X1.0'	SB		
pB,vL,R,vglbM	3'X3'	SBa		
	2.0'X2.0'	SBdm		
F,S,R,bM	2.5'X1.6'			
	3.0'X0.8'	Sc		
pB,vL,IE 0,vsmbM *15,*11 n	6.1'X4.1'	Sc		
	5"			
	1.2'X0.7'	Ir+		
cF,S,R,gvlbM,r	1.6'X1.2'			
eF,eS,R,gbMN,*11 sf 1'				
pB,pL,IE 0,gbM,*12 nr	3.4'X2.4'	SBp		
vF,vS,R	1.0'X0.9'			
F,S,R,psbM,*14 sp 225	1.3'X1.2'			
eF,eS,R,gbM				
eF,S,IE 140,glbnM				

Sheet1

eF,vS,R,sbMN,2nd of 2	1.6'X0.7'				
eF,vS,R,sbMN,1st of 2					
eF,S,R,gbM	0.9'X0.7'				
	3.74	0			
eF,S,iR,*6 sf	4.8'X2.2'				
	45"X27"				
pF,pL,vIE,glbM	2.4'X1.7'				
vF,bet 2 st 12	1.3'X0.3'				
vF,stellar	1.1'X1.0'				
vF,vS,R					
F,S,R,*9 1' sf					
eF,S,R,lbM					
pB,pL,bM	1.2'X0.9'	I			
F,cS,IE,gvlbM	3.2'X0.8'				
vF,S,R,vgbM	1.7'X1.1'				
pB,L,mE 130,mbM	4.3'X0.9'	Sb			
eF,pS,iR,gbM,S* or neb f	1.1'X0.6'				
Cl,pL,pRi,pC,st 8...13	12.0'	I 1 p	100	7.2	
vF,vS,R,vgbM	1.0'X0.4'				
pB,S,R,bM,*8.5 3' f	0.5'X0.5'				
F,dif,sp 7 st	1.0'X1.0'				
B,pS,mbMN=*13,*11 nr					
eF,pL,pmE,gbM	3.6'X1.4'				
* 3.4 mag in vL neby	60'X35'	II 1 p n	30	6.4	
vF,S,R,bM					
pF,L,mE N-S	5.0'X2.5'	Sc			
F,S,R	1.1'X0.9'				
F,S,iR,*11 nr	1.2'X1.2'				
	1.4'X1.2'				
	180'	E			
vF,S,R	0.8'X0.6'				
vF,R,stellar,vS* 1 d sf	1.1'X1.1'				
vF,eS,stellar	1.5'X0.9'				
vF,S,bM	0.9'X0.8'				
F,vIE,gbM	2.3'X0.5'				
eF,S,place doubtful					
pB,pL	1.8'X0.8'				
pB,pS,R	1.1'X0.5'				
pB,pS,R	0.4'X0.2'				
pB,S,pmE	3.3'X1.0'	Sb			
	0.9'X0.3'				
pB,pS,R	0.7'X0.4'				
vF,S,E,r	1.2'X0.6'				
F,L,E 45	0.8'X0.5'				
pB,R,cbM,1st of 3 in line	0.8'X0.7'				
pB,pL,2nd of 3 in line	1.7'X0.5'				
vF,R,3rd of 3 in line	0.4'X0.3'				
pF,S,R,gbM,r	1.1'X0.7'				

Sheet1

eF,vS,E 0,gbM	0.3'X0.3'	
cF,cS,R,psbM	1.4'X1.1'	
	1.0'X1.0'	
eF,vS		
pB,bMN	1.0'X0.4'	
eF,S,R,am 50 S st		
eF,vS,E 75,*9 np 3'	0.7'X0.3'	
	5.0'	
eeL	75'X50'	E
eeF	1.4'X1.0'	
vF,vS,R,bM		
cB,R,sbMN *,*9 sf	1.9'X1.7'	
vF,eS,R,*10 p 15"	1.3'X1.3'	
	<5"	
F,S,att to *15,another * inv	1.4'X0.7'	SBcp
vF,vS,R,gmbM	0.9'X0.6'	
vS,f NGC 3788		
pF,L,vIE,vgbM,r	3.1'X2.5'	
	2.3'X2.2'	Sd
	3.0'X2.4'	
vF,eS,R,bM	1.0'X0.4'	
cF,pS,vS* vnr		
vF,vS,R,*15 p		
pB,pL,E 57,gbM,p of 2	2.2'X1.1'	
cB,pL,pmE 177,pgbM	1.8'X0.6'	
vF,dif		
cF,vS,pmE,sbM,2 S st f,1st of 3	1.1'X0.3'	
vF,vS,R,gbM,*8 s 6'	0.4'X0.3'	
vS,f NGC 3788		
	3.4'X3.4'	Sm
vF,S,mE	2.3'X0.6'	
cF,R,p of 2	0.7'X0.5'	
F,pS,E,pglbM,r,f of 2	1.9'X0.5'	
F,cS,IE,stellar,r	2.6'X1.4'	
F,pL,IE at 45 deg,bM	1.3'X0.4'	S0
pF,pL,R,bM,r,2nd of 3	2.3'X1.3'	
vF,pS,r,2 vB st p,3rd of 3	1.2'X0.3'	
vF,S,R		
	0.8'X0.3'	Pec
F,cS,R,mbM	1.4'X0.9'	
vF,vS	2.5'X0.8'	
vF,S,R (vf *)		
F,pL,*9-10 s 5'	1.5'X1.4'	
cB,cS,R,bM,r	1.4'X1.1'	
pB,E	2.5'X1.7'	
B,L,vIE	4.1'X2.8'	
cF,vS,R,1st of 3,*6 sf 3'	1.7'X1.6'	
cB,pL,pmE 83,bM	2.1'X1.2'	
F,S,vIE,glbM	2.5'X1.8'	

Sheet1

pB,S,R,glbM	1.3'X1.2'			
vS,nebs*,p NGC 3815				
cF,S,3rd of 3	1.9'X1.0'			
	65"			
F,S,bM	1.9'X1.1'			
F,1st of 4	1.1'X0.8'			
F,pS,R,psbM	2.1'X1.4'			
vF,2nd of 4	0.8'X0.7'			
eF,vS,NGC 3819 s	0.7'X0.5'			
pF,pS,3rd of 4	1.3'X0.7'			
vF,cS,R,bM,bet 2 st	1.5'X1.3'			
F,cS,IE,pslbM	1.2'X1.2'			
pF,pS,4th of 4	1.4'X1.1'			
	3.0'X0.9'	Ir+		
pF,S,R,psbM,stellar	0.9'X0.7'			
	3.4'X0.6'	Sc		
F,S,lbM	0.9'X0.7'			
vF,cS,pmE	1.4'X0.8'			
vF,S,dif				
	1.3'X0.8'	Sb		
pF,pL,r,place doubtful	1.9'X0.8'			
eF				
F,vS,R,bM	2.5'X0.3'			
eF,pS	1.5'X0.7'			
vF,pL,2 suspected neb nr	2.2'X1.8'			
vF,vS	1.0'X0.6'			
F,S,F* close n	1.3'X1.2'			
vF,vS,slbMN *13	1.4'X1.0'			
eF,vS				
	1.9'X0.3'	Sm		
F,E sp nf,*11 p	1.0'X0.4'			
vF,S,R,lbM	1.0'X0.5'			
cF,S,R,1st of 5	0.8'X0.7'			
F,S,IE	1.1'X0.7'			
F,S,R,vglbM,3rd of 5	1.4'X1.0'			
cF,S,R,2nd of 5	0.7'X0.3'			
vF,pS,IE	1.4'X0.3'			
	4.0'	II 1 p	10	8.4
vF,pS,4th of 5	0.8'X0.3'			
pB,E,gbM,sf 5'	2.3'X0.7'			
F,S,F* 2' ssp				
F,S,R,psbM	1.1'X1.1'			
	1.9'X1.5'			
pB,cS,E,psbM *12	1.4'X0.5'			
	3.0'			
	5.0'	III 1m:b		12.0
eF,vS,R,5th of 5				
eF,vS				

Sheet1

eF,vS		
S,R,bM	1.5'X0.9'	
vF,R,bM		
13"-1 gal pF,pL,R 4 others vF,S 10 others nr	30'	2
	2.0'X1.7'	Sm
F,pL,R,vgbM	1.0'X0.8'	
	0.7'X0.4'	Pec
eF,vS,IE 70,bMN		
vF,vS,r	1.2'X0.6'	
	1.3'X0.9'	Sc
vF,vS,mbM	1.0'X0.6'	
F,S,R,bM	2.4'X1.4'	
eF,vS,R,lbM,r?	1.0'X0.3'	
F,pL,dif	2.3'X1.7'	
eF,eS,R,gbM,*9.5 p 3"		
vF,2' l,mE 70,glbM	2.8'X0.6'	
vF,vS,R,*17 n	1.0'X1.0'	
	1.8'X1.5'	S
eF,vS,R	0.6'X0.4'	
sf NGC 3865,not so L	0.9'X0.6'	
vF,r	1.1'X0.7'	
F,S,irrR,mbM,s of 2	1.2'X0.4'	
vF,vS,R,mbM,n of 2	0.6'X0.3'	
	30'	
eF,pL,IE	2.2'X1.0'	
vF,pS,IE,NGC 3875 sf	0.9'X0.8'	
vF,vS,suspected		
F,S,iR,psbM	1.9'X0.5'	
B,S,R,smbM *	2.3'X1.7'	
vF,vS,r	1.0'X0.3'	
cF,cS,R,psbM	0.9'X0.7'	
B,L,mE 37	5.6'X1.2'	Sc
vF,IE,2 st inv	2.3'X1.3'	
cF,S,iR,gbM,r,*7 sp 6'	1.9'X1.4'	
eF,R,gbM,1st of 4	1.0'X0.2'	
vF,R,2nd of 4		
vF,R,gbM,3rd of 4	0.7'X0.7'	
vF,R,gbM,4th of 4		
vF,cL	3.1'X2.8'	
cF,vS,vIE,bM,vF * sf	1.7'X0.9'	
F,pL,mE 105	2.5'X0.5'	
F	1.2'X0.8'	
pB,L,iR,vgpmbM	3.3'X2.7'	
pB,S,IE,pgbM	1.7'X1.4'	Sc
vF,vS,5' sf NGC 3888		
pB,S,bM	2.3'X1.8'	

Sheet1

pB,pL,R,gbM,r	2.8'X2.2'			
B,pL,R,mbM	4.6'X2.5'	Sc		
	<5"			
B,pL,iR,pgmbM,p of 2	2.0'X1.4'	E3		
F,vS	1.8'X1.0'			
	3.4'X1.1'	Sd pec		
F,S,R,bM	2.1'X2.1'			
pF,pL,vIE,gbM,f of 2	1.3'X0.9'			
vF,L,dif	1.8'X1.3'			
pB,cS,vIE,lbM	1.1'X1.0'			
pB,R,smbM				
B,pL,vIE 0,bMN	3.2'X1.6'			
B,pL,IE,svmbM	3.6'X2.1'	Sa		
pB,S,R,mbM	2.2'X1.7'			
F,pS,IE,vglbM	1.7'X1.3'			
vF,S,p of 2	1.2'X0.9'			
vF,S,R,bM	1.0'X1.0'			
	1.2'X0.3'			
eF,S,psbM	1.2'X0.8'			
Cl,vL,IC,st 9...14				
eF,pL	1.7'X1.7'			
F,vS,R,mbM				
S,R,mbM,*10-11 n 50"	1.6'X1.2'			
neb,f of 2	1.3'X1.2'			
F,pL,R,pgbM	1.8'X1.0'			
vF,R,gbM,*11 2' s	0.7'X0.7'			
!,S,R,blue,= *7,d = 1'.5	12"	2b		10.8
pL,bM	3'	R		
F,vS,R,lbM,*13 np 80"	1.1'X0.6'			
F,S,R	0.9'X0.9'			
eeF,pL,iR,;=NGC 3913	2.6'X2.5'	Sd		
F,E	3.0'X2.8'			
eF,eS,bet 2 st				
	4.1'X1.8'	Ir+		
F,L,vmE,vgbM	5.1'X1.1'	Sd		
eF,R,gbM	1.6'X0.4'			
Cl,pL,pRi,gpmbM,st 13	7.0'	I 2 m	45	11.5
B,pL,IE,gmbM,r,vS* sp inv	2.9'X1.9'			
pF,S,R,pspmbM	2.2'X1.3'			
vF,vS	1.9'X0.9'			
eF,S	1.1'X0.9'			
vF,vS				
eF,pS,E 160,gvlbM	1.2'X0.8'			
eF,eS,vIE,er,st nr	1.0'X0.8'			
	1.0'X0.8'			
pF,pS				
Cl,S,st F,vC	0.5'X0.4'			

Sheet1

eF,cL,iF,glbM,*7 (Grb 1830) f	4.5'X3.5'		
pF,S,R,pspmbM	1.5'X1.5'		
	5.0'	IV 1p :b	13.0
pF,IE	1.4'X0.7'		
	1.9'X0.6'	SB-	
eF,R	1.3'X1.1'		
vF,cL,vmE 59	4.0'X0.8'		
pF,S,IE,psbM	1.2'X0.7'		
vF,v diffic,NGC 3928 np			
pB,S,iF,bM	1.8'X1.7'		
vF,cS,R	1.8'X1.6'		
vF,cS,R	1.3'X1.2'		
B,vL,R,bM,pBN,er	5.4'X5.1'	Sc	
pF,pS,E,*8 p 24"	1.1'X1.1'		
vB,pL,R,smbM *9	3.6'X2.5'	E3	
pF,pS,R,psbM	1.4'X1.1'		
B,pL,R,gmbM,r,*12 sp	5.8'X3.6'		
eF,vS,R (place doubtful)			
F,pS,iE,lbM,**p	1.4'X1.4'		
vF,stellar			
vF,vlbM,dif			
eF,R	0.9'X0.8'		
vF,cS,vIE	1.2'X0.6'		
cB,pL,pmE,vgbM	2.8'X1.7'		
eF,2.6' n of NGC 3949			
cF,cS,IE 90,bM,r	1.5'X0.7'		
cB,L,E 0,vsbM,fine spiral	6.5'X3.4'	SBb	
F,S,E,r	3.5'X0.8'	E8	
cF,pL,pmE 57	3.5'X1.2'	Sc	
cF,S,E 170,lbs	3.2'X1.3'		
F,vS,stellar,N=14 mag	0.7'X0.6'	Pec	
pF,pS,pmE,vgbM	1.4'X0.6'		
vF,S,bet 2 vf st	0.7'X0.5'		
cB,pL,iR,gmbM,tri 2 st	2.9'X2.6'		
vF,S,E,*10 nf att	0.9'X0.7'		
pF,cL,R,vgsbM	2.9'X2.7'	Sb	
eF,vS	1.4'X1.4'		
eF,eS,R,bMN,*9.5 np 4'			
eF,vS,gbMN,*8.5 nearly n	1.4'X0.9'		
vF,S,F* close p	0.5'X0.4'		
F,S,R,psbM,p of 2	1.0'X0.3'		
pB,L,iR,bM,*10,65,3'	2.9'X1.9'		
eF,eS,*10 1' sf (requires verification)	0.4'X0.2'		
pF,vS,R,bM	1.4'X1.2'		
	2.5'X2.2'	S(B)c	
F,pL,IE,bM,*12 p	0.4'X0.3'		
vF,S,R,bM,f of 2	0.3'X0.3'		
pB,E	4.1'X1.0'		
vF,vS,NGC 3978 f 17"	1.0'X0.6'		

Sheet1

B,pL,cE 30,vsmbMN	3.6'X1.1'	Sb		
eF,pL,E,D* nr				
F,S	1.8'X1.7'			
pF,*11-12 nf	1.1'X1.0'			
vF,pL,iF	3.9'X1.5'	Sb		
cF,S,IE,bM,*8,90,6'	1.7'X1.6'			
	2.1'X1.0'	Pec		
cF,cS,R,psbM	1.2'X0.3'			
vF,S,v dif	1.1'	SB		
	3.5'X2.0'	SBm		
B,pL,R,g,sbM,disc	2.4'X2.2'			
pF,S,pmE 90,*11 nr	2.5'X0.5'			
vF,cS,another suspected	1.1'X0.7'			
F,mE	2.3'X0.4'			
	4.4'X2.8'	S(B)d		
	3.5'	ll 2 m	20	12.0
eF,vS,R	0.7'X0.3'			
vF,S,R,bM *,p of 2				
F,S,IE,1st of 3	1.4'X0.4'			
vF,pS,E,3 st nr	1.6'X0.4'			
pB,vS,2nd of 3	1.1'X0.6'			
cB,vL,pmE,sbM,BN	8.3'X4.6'	SBb		
pF,S,IE,pslbM	1.4'X0.8'			
F,pL,iR,bM,3rd of 3	2.8'X1.0'			
vF,pL,R,2 st f	0.9'X0.7'			
pF,vS,E 25,bet 2 st	1.6'X1.3'			
eF,S,R,bM	1.2'X1.1'			
In. Reg. Comp. Blk	1.5'X1.2'			
cB,pS,R,vg,smbM	3.0'X2.5'			
vF,vS,R,s OF 2	1.5'X1.1'			
vF,vS,R,n OF 2	0.9'X0.5'			
vF,vS,IE,*8 2' f,NGC 4005 is sf	1.1'X0.2'			
F,vS,R,*12 near	2.0'X0.5'			
	10.0'	ll 2 p	50	8.9
eF,vS;=NGC 4005				
S,R,7' np 4010	0.6'X0.3'			
pF,vS,mbM,*7 np 2'	1.1'X0.6'			
F,S,R,bM,*11 nf	1.3'X0.9'			
pB,pS,E,psbM,* inv n	2.4'X1.3'			
vF,vS,*12 np				
vF,eS	5.3'X2.6'	lr+		
vF,S,IE	2.1'X0.5'			
vF	1.5'X0.8'			
pB,pS,R,psbM	1.9'X1.1'			
pB,L,E,lbM	2.5'X2.1'	Sc		
B,cL,mE62,vsmbM*10	5.1'X1.1'	Sb		

Sheet1

F,pL,mE,vglbM	4.0'X0.9'		
F,vS,iF,bM	2.3'X1.7'		
F,vS,E,mbM	1.4'X1.4'		
mE,np sf,2* s	1.8'X0.3'		
eF,*9 sf 5'			
F,L,E,gbfM	1.8'X1.5'		
pB,L,IE,bM	2.9'X1.4'	Sb-	
F,S,vIE	0.7'X0.5'		
pF,vS,stellar	1.3'X1.2'		
pB,pL,E20,biN	2.0'X1.0'		
pF,pL,dif	1.1'X0.7'		
eF,pL,R	2.8'X1.7'		
	4.2'X3.2'	SBc	
vF,S			
vB,cL,mE176,vsvmbM,BN	4.5'X1.1'	E8	
In. Reg. Comp. Blk	2.5'X0.7'		
pF,pL,R,rr,st16	3.0'X2.3'		
vF,vS,vIE,r			
vF,vS,IE,stellar N	1.2'X0.7'	S	
cB,L,vIE,psmbM,B* nr	4.2'X3.2'	Sb	
eF,vS,*17 vnr south	0.4'X0.4'		
eF,pL,*9M nr	0.9'X0.9'		
pF,pL,R,gbM,*12 nf	1.9'X1.8'	Ir	
pB,S,IE,bM	2.5'X1.1'		
eF,pL,R,r	2.8'X2.5'	SB	
vB,vL,E,vBN	3.7'X1.8'	E6	
eF,S,iF,gvlbM	1.8'X1.3'		
pB,cL,R,vgbM	2.6'X1.8'	Sp	
pF,pL	3.2'X2.2'		
Cl,pRi,IC	8.0'	II 1 p	80
eF,pS,R,3* nr	1.0'X0.7'		
B,cL,R,g,psvmbMrN,vB cent w comp struct	2.8'X2.8'		
pF,S,R,psbM,**f30"	0.6'X0.5'		
vF,vS;=4032?			
cF,cS,R,bM	1.1'X1.0'		
	2.1'X1.9'	SA	
pF,L,R,sbM,* sf	3.0'X2.0'	Sa	
F,pS,tri 2f*,=4045			
	0.6'X0.4'		
vF,vS,R,psbM	0.55'X0.45'		
eF,pS,R,glbM	0.9'X0.7'		
	1400'	p	02.0
F,cL,iR,lbM	3.1'X2.2'		
	4.0'	III 1p :b	12.0
F,vS,vIE,alm stell	1.1'X0.4'		
eF,S			
pB,decl very doubtful			
vF,pS,R,bM	1.3'X0.7'		
pB,decl very doubtful			

Sheet1

pB,pS,R,vsvBN	1.2'X1.0'		
eF,vS			
eF,vS,B pts inv			
vF,S,R,p of Dneb	1.2'X0.9'		
eF	0.35'X0.25'		
pB,vL,mE97,vgbM,vsBN	4.8'X2.0'		
pF,S,stellar	3.0'X1.8'	Ir	
F,pS,R,gbM	1.2'X0.9'	S	
B,E,gbM	4.2'X1.8'		
pF,R,f of Dneb	1.2'X1.1'		
vF,vS			
pB	1.1'X1.0'		
F,vS	1.2'X1.2'		
B,vL,E,vgvsmbM*11,vseBN or *	6.0'X5.0'	Sb	
eeF,pS,R,between 2 distant *	2.0'X1.9'	SBc	
vF,vS,R,bM*,am st	75"		
eF,sf 4061,2,5			
F,pS,R,pgbM,np of 2	2.1'X1.6'	E1	
vF,vS	0.9'X0.9'		
eF,vS			
F,S,mE,D* nr	1.8'X0.8'		
cF,cS,vIE,bM,sf of 2	1.0'X0.7'		
F,S,R	1.2'X0.6'		
F,vS,R,glbM	1.3'X0.4'		
F,L,R,*10 n 1'	2.9'X1.7'		
cF,pS,E,gbM	1.3'X0.55'	Ir	
eF,vS	0.9'X0.7'		
vF,vS,IE,lbM	0.7'X0.2'		
pB,decl very doubtful			
F,S	0.4'X0.4'		
B,pL,pmE78,vsbM	2.7'X0.8'		
F,pS,R	1.4'X1.0'		
vF,vS,*15 f 1'	1.2'X0.5'		
vF,S,R,p of 2	0.8'X0.8'		
B,cL,E55,lbM	5.9'X2.2'	Sb	
pB,S,R,bM	2.1'X1.7'		
vF,S,R,f of 2	1.1'X0.25'		
	6.0'	IV 1m:b	12.0
vF,L,cE	3.2'X1.0'	SBc	
F,pS,R,*11 np	1.1'X1.1'		
eF,vS	0.8'X0.7'		
	3.4'X1.0'	Sm	
	1.5'X0.6'		
eF,L,pmE,vgbM,2*11 nr	4.2'X1.8'		
vF,vS	0.9'X0.9'		
eF,eS,R,bM	1.1'X1.1'		
eF,eS			
eF,vS,R,stellar,*10 sp 2'	1.2'X0.8'		
pB,vL,mE32,sBN or bar	7.2'X1.7'	Sc	

Sheet1

eF,vS,R,vgbM	1.1'X0.9'			
pB,vL,vmE161,vgvlbM,vsBN	5.6'X1.9'	Sb		
B,pS,R,bM,BN,*12 sp	3.2'X1.9'	Sb		
pB,pS,IE,bM	2.6'X1.5'			
pF,pS,R,psbM,r,p of 2	2.4'X1.9'			
Cl,pL,pC,iR,*10...14	7.0'	I 3 m	45	10.0
Planetary,pB,S,IE,*10-11 np				
B,S,R,gbM,f of 3	1.8'X1.6'			
pF,pS,R,pgbM,f of 2	1.9'X1.5'	E2		
vF,4111 nnf 6'	0.6'X0.5'			
	12.0'	IV 1 p		10.0
F,S	1.2'X0.7'			
vB,pS,mE151,vsvBN	4.3'X0.8'			
	1.6'X1.4'			
F,S,vIE,glbM,3B* nr	1.6'X0.9'			
eF,suspected				
eF,vS,R,mbM				
eF				
cF,S,iR,gbM	2.3'X1.1'			
vF,E(hook shape),sp of 2	3.8'X2.5'	SBc		
vF,vS	2.5'X0.9'			
F,vS,IE,r	0.4'X0.35'			
IE				
eF,vS,1' s of 4117	0.6'X0.3'			
pB,pL,cE,mbM	6.0'X5.0'			
cF,vL,E90,bMN	5.0'X4.0'			
pB,pL,mE118,bM,r	4.1'X1.8'	SA0		
F,pL,vIE,glbM	3.2'X1.6'			
	16"			
cB,IE,bM,svBN,spindle shape	2.5'X0.9'			
eF,vS,E	1.8'X0.4'			
pB,cL,R,gmbM	2.0'X1.6'			
vF,S,R,pslbM,bet 2 vS*	1.0'X0.7'			
	4.7'X0.7'	Sm		
cF,S,R,1st OF 3	1.5'X0.8'			
pE,lbM,*13 p 5'				
F,pL,pmE95,vglbM	2.6'X0.8'	SBb		
	10.0'	IV 1r :b		13.0
	13"X8"			
cF,S,iR,2nd of 3	0.9'X0.35'			
pF,pL,IE,3rd of 3	2.3'X0.8'			
vF,pS,R,2 F* inv	0.9'X0.6'			
	<5"			
F,vL,vgmbM	4.2'X4.2'	SBb		
vF,pS,R,l fainter than 4135	1.1'X0.8'			
F,S,diffic,p of Dneb	1.0'X0.5'	SB0		
B,pL,IE,vgbM,* np	2.9'X1.7'			
vF,S,iF,vglbM,er	2.2'X1.1'			

Sheet1

F,S,diffic,f of Dneb			
cB,R,vg,vsbMN	2.9'X1.8'		
vF,pS,IE,gbM,r	1.4'X0.9'	SB	
vB,pL,R,gbM,rrr	4.0'	6	
B,vL,vglbM	6.5'X4.3'		
pF,cL,vmE109,vgbM,BM no BN	6.9'X1.7'		
F,S,*12 sf	1.6'X0.9'		
eF,pL,Ens,lbN	4.8'x1.8'	SA(s)	
vF,pS	1.7'X1.6'		
F,S,E	1.4'X0.25'		
	3.0'X0.2'	Sc	
B,S,R,pgmbM,vsvBN	2.1'X1.5'		
vB,S,R,vsmbMBN,p of 2	7.0'X6.0'		
pB,pL,R,pgmbM,r	2.2'X1.9'		
vF,S,E90			
eF,pS,R,tri 2*	1.5'X0.6'		
B,pL,E,bM			
eF,vS	1.1'X1.0'		
pF,S,E,vgbM,f of 2,sBN,narrow bar	1.4'X1.3'		
	2.1'X0.6'	Sm	
pF,cL,vmE60	7.7'X1.3'	Sb	
F,pS,IE,bM,pB* sf,vBN	1.7'X1.6'		
F,S,R	1.2'X0.8'		
neb *13M			
B,L,IE,bM,vBN w * att. @ 0.2'	2.5'X1.4'		
vF,2'-3' s of 4165	0.2'X0.2'		
eF,*10 np,4168f	1.2'X0.8'		
vF,S	1.1'X0.9'		
vF,pL,vIE,r	2.1'X2.0'	Ir	
F,pL,R,vgbM,**S;=4163			
F,S,IE,gbM	1.4'X1.3'		
pB,pL,iF,psbM,r,* inv	2.8'X2.5'		
F,S,1st of 4	1.8'X0.9'		
F,S,2nd of 4	5.0'X0.7'	SBd	
eF,vnr 4169,4173-5			
eF,vnr 4169,4173-5	5.1'X0.8'		
vF,pS,vlbM	2.5'X1.8'	Sb+	
F,S,3rd of 4	0.8'X0.3'		
F,eS,4th of 4	2.1'X0.4'		
eF,vS,R,slbM,*10			
vF,vL,E45,*7f	5.5'X1.7'	SBc	
vF,pL,R,vgbM	1.6'X1.1'		
pB,pS,pmE135,bMN	3.8'X1.0'	E8	
	1.2'X0.7'	Irp+	
pF,S,IE0,r	1.7'X0.5'		
	5.0'	IV 1p :b	13.0
vS,(vS Cl?)			

Sheet1

cF,L,R,gbM	2.9'X2.2'		
vF,cL,mE170,B center,no def. N	5.5'X0.6'		
pB,S,IE	1.2'X0.8'		
eF,S,stellar			
Cl,mC,st eS			
F,L,IE,vglbM,r	2.7'X2.2'	Sc	
cF,pS,R,vglbM,r	1.8'X1.7'	Ir	
cF,R,bM,near S*	1.2'X0.9'		
vF,pL,E,vgbM	2.3'X1.1'		
B,vL,vmE152,vsmbM	9.9'X2.2'	Sb	
	1.0'X0.8'		
pB,vS,vsbM *12	2.3'X1.6'		
	2.2'X1.9'	Ir+	
pF,S,R,sp M98	1.4'X1.1'		
eF	1.7'X1.5'		
eF,PS	0.6'X0.6'		
pF,pS,IE,gbM	1.1'X0.6'		
pB,S,R,vsmbM *	1.5'X1.2'		
pF,pmE,vgbM	3.8'X0.6'		
	1.2'X0.5'	Ir+	
eF,eS,R,bMN	0.8'X0.6'		
cF,IE,lbM	1.5'X0.8'		
vF,S	1.1'X0.6'		
pB,pS,R,*12f,ln	2.1'X0.8'		
	1.7'X1.0'	Sm	
F,pL,spiral	2.3'X0.6'	SBc	
vB,S,R,psmbM	3.5'X3.3'		
F,vmE	5.8'X0.9'		
vF,cL,iR,vgbM	4.7'X4.7'		
pF,pS,R,vgbM,sBN in narrow B bar	2.1'X1.5'		
	2.0'X0.8'	Sm	
vF,pL,R,gbM,(=4212)			
F,pS			
	2.3'X0.8'	SBd	
pF,pS,IE,*14 np	1.6'X0.8'		
cF,pL,E at 170 deg	2.3'X0.3'	Sm	
B,L,E107,g,sbM,r	2.9'X1.9'		
cF,vS,R	1.7'X1.7'		
vF,eS,mbM	2.0'X1.0'		
cB,cL,iE,biN,=NGC 4208	11'X9.0'	Ir	
vF,vS	1.0'X0.55'		
pF,L,mE45,**n,p of 2	5.5'X1.6'		
vB,vL,vmE17,sbMN	8.5'X1.7'	Sb	
B,pS,E,sbM*11	1.6'X0.6'	SO	
pB,S,R,psbM,vsvBN on B bar	1.9'X1.3'		
	2.7'	III 2p :b	13.0
cB,pL,pmE134,psbM,sBN	3.8'X1.4'		
F,S,IE,f of 2	1.1'X0.5'		

Sheet1

vF,pS,R	3.1'X0.4'			
pF,pL,pmE,vglbM	4.5'X1.7'			
pF,pL,R,r,=4241?				
pB,pS,IE,gbM,r	2.0'X0.9'	Sb		
F,vS,vIE,psbM,sp of 2	1.6'X1.0'			
vF,L,R,gbM,(=4214?)				
cF,vS,IE,psbM,nf of 2	1.3'X0.9'			
vF,vS,s of Dneb	1.5'X0.8'			
vF,vS,n of Dneb	1.3'X1.1'			
vF,eL,mE160,vgbM	23'X8.0'			
F,eS,R,* 170deg/60"	0.6'X0.4'			
vF,pS,iR,vglbM	1.8'X0.45'			
pB,L,R,gbM	1.2'X1.1'	Ir		
pB,pL,pmE,bM,p of 2	3.9'X0.8'	Sa		
pF,R,vsbMSN	2.0'X0.9'	Ep		
pB,pL,IE,vgbM,r	2.2'X1.4'			
F,pL,R	1.6'X1.0'			
Cl,F,pL,iF,* 13...15	6.0'	IV 2 p	15	
vF,cL,iR,vgbM,r	5.7'X3.8'			
pB,S,*12 sp 1/2'	0.9'X0.9'			
vF,L,vgbM,*7S	2.5'X1.5'			
	5.3'X0.5'	Sc		
pB,vL,eE43,vgbM,vsBN or *?	18.5'X2.3'			
pB,S,R,pgbM,vsvBN	2.5'X1.9'			
pB,eS,pB* close p				
cB,pL,vIE,smbM,r,vsvBN	3.5'X3.3'			
vF,S,pmE,psbM	3.2'X1.3'			
	1.3'X0.6'			
	2.3'X1.3'	Ir+		
F				
vF,pL,E	1.7'X1.4'	SBc		
cF,pL,E	2.4'X1.2'	Sc		
F,S,R,bM,6'n of 4246	1.1'X0.9'			
vB,S,E,vsymbMN,*6-7 f 90"	3.6'X2.0'			
F,irr,cometary,F*1' nf	1.2'X0.7'			
	774"X606"	2	17.7	
vF,vS,R	0.9'X0.9'	SB		
F,E	1.2'X0.3'			
pB,L,cE38,bMBN,sBN in B bulge	4.5'X0.8'			
vF,S,stell N	1.4'X1.0'	SB0 pec		
!,B,L,R,gbM,r,3 branch spiral	5.0'X4.7'	Sc		
!,vB,vL,vmE0,sbMBN	22.0'X9.0'	Sb		
S,pmB	1.2'X0.6'			
F,pL,R	2.1'X1.2'	Sdm		
vF,pS,R,*18 s 2'	0.9'X0.25'	S		
F,pS,R	0.9'X0.3'			
pB,pS,R,gbM	3.5'X3.0'	E2		
pB,E,psbM	2.2'X1.2'			
F,pS,R,gbM	0.8'X0.6'			

Sheet1

B,S,R,r	1.9'X1.8'	
pB,pL,iF	1.5'X1.3'	
vF,pL,iF	1.0'X0.5'	
vF,pS,R		
pF,S,2nd of 6 neb	1.3'X0.5'	
pF	1.8'X0.4'	
pB,vS,R,vsmbM	3.6'X3.6'	
pB,S,E	1.4'X0.5'	SO
pF,S,R,*9 f 1.7",n85"	1.3'X0.8'	
vB,vL,E90,mbMN	7.3'X2.7'	
cF,S,iR,gmbM	1.0'X0.9'	
pB,L,E,gbM	2.5'X1.2'	Sc
F,S,vIE,gbM,*15 nr	0.8'X0.8'	
vF,eS	0.7'X0.6'	
pF,pL	1.7'X1.7'	
vB,pL,R,mbM,r,1 of 3	3.5'X3.5'	
cF,IE,p of 2	3.0'X1.3'	
pB,vS,R,lbM,3*f	2.0'X1.7'	
B,vL,R,pgbM	2.5'X1.2'	
pF	0.8'X0.5'	
B,S,R,bM,2 of 3,svB center	1.1'X1.1'	
eeF,vS,R	0.9'X0.6'	
eF,vS,R		
vF,pS,R,vgbM,r	3.0'X1.8'	
eeF,pS,R	0.8'X0.4'	
pF		
pF,pL,IE 150 deg	1.7'X0.9'	Sa
pB,L,R,gmbM	2.5'X1.9'	SBa
vF,S,*8.5 12"f	3.9'X0.35'	
F,S,R,vglbM,*9 np 72"	1.9'X1.3'	
F,vL,E,lbM,r,vsBN	5.8'X3.3'	
vF,S		
	2.3'X1.4'	Ir+
F,L,mE135,biN,p of 2	3.0'X1.1'	SBc
vF,vS	1.5'X0.9'	
eF,eS	0.5'X0.2'	
F,E,10' nf 4292	1.6'X1.4'	
F,L,E,vgbM,p of 2	3.0'X1.7'	
eF,S,R	1.5'X1.4'	S(B)a
F,IE,vgbM	1.5'X0.6'	
F,L,IE,vgbM,f of 2	1.7'X1.7'	Ir
pB,pS,vIE,sbM,vsBN in bar	3.1'X2.3'	
L,vmE177,f of 2	5.1'X0.9'	
Neb D*		
vB,vL,vsbM*,biN	6.6'X6.4'	Sc
vF,S,vF * inv,np 4314	0.8'X0.7'	
pF,L,mE,3 knots	3.5'X0.7'	Sa

Sheet1

vF,R	1.9'X1.0'	
vF,pL,R,4305 sp	1.3'X0.9'	
	1.1'X0.9'	
vF,vL,R,vgvlbM,r	2.4'X2.4'	
F,S,*11 f 12"	1.8'X1.0'	
	1.5'X1.3'	
F,cL,IE,n of 2	2.3'X1.2'	
F,s of 2		
eF,E0	2.2'X0.6'	lr
pB,cL,E,gbM	4.2'X0.9'	
cB,L,E150,sbM,* np,eBN w spir struct	4.6'X4.5'	
F,S		
vF,vS		
vF,L,E135	3.5'X0.8'	Sa
F,pL,gbM		
eF,*8 N 5'	0.8'X0.6'	
vF,S,mE,2 knots	2.7'X0.5'	
pF,S,vIE,vgbM,B bar,2 F smooth arms	2.4'X1.7'	
2 of 2,vF,n of M100		
pF,vL,R,vg,psbMrN,spiral-Rosse	6.8'X5.8'	Sc
pB,S,E,gbM	1.9'X1.5'	
	7"X6"	
F,vS,sp of 2	1.1'X0.5'	
1 of 2,vF,n of M100	0.9'X0.7'	
vF,IE,com	2.2'X0.2'	
pB,R or IE,bM	2.1'X0.9'	
vF,S,R,bM,1 of 3	1.7'X1.1'	
vF,vS,iR,nf of 2	0.9'X0.7'	
vF,s of 4328		
vF,L,mE	4.5'X0.9'	
F,pS,R,bM,2 of 3	0.9'X0.8'	
F,S,R,r	0.9'X0.8'	
vF,S,mE100,vsmbMBN	3.2'X1.3'	
vF,vS,R,bMN	1.2'X0.6'	
pF,S,R,* vnr	2.3'X1.0'	
eF,pL,iF	1.4'X1.4'	
B,pL,R,bM,3 of 3	2.0'X2.0'	
vF,pL,iR,biN?	1.6'X0.9'	
pF,S,E,D?	2.6'X0.7'	
eF,vS,IE	1.0'X0.4'	SO
cF,cS,R,exc N s	1.9'X1.7'	SBm pec
pB,S,R,psbM	3.6'X3.0'	
vF,pS,R,vglbM,tri 2*	1.4'X1.3'	
eF,vL,mE 20 degrees, lbM	2.8'X1.1'	S
F,cS,R,bM	1.8'X1.1'	S(B)dm
	30"	
F,pL,E70,vlbM	2.8'X0.4'	Sb

Sheet1

Cl,pRi,IC,* 12...14	3.5'	II 3 p		10.5
eF,vS,R	1.6'X0.5'			
cB,vS,mE,vsbM	2.5'X0.9'			
F,pS,gbM,=4381?	3.9'X1.5'			
cF,cS,IE				
cF,cS,R	1.3'X1.2'			
pB,*?	0.7'X0.6'	Pec		
pF,cS,R	1.1'X1.1'	Sc		
	1.1'X0.7'			
cF,cS,IE	1.6'X0.8'			
eeF,pL,v diffic,=4351?				
F,pL,iR,bM	1.9'X1.4'			
cF,pmE90,vlbM	3.6'X1.0'			
vF,cS,R,r	0.8'X0.25'			
eF,S,R				
vF	2.6'X0.5'			
	3.9'X3.9'	S+		
F,F * inv,*9.5 np	1.4'X1.1'			
cB,pL,vIE,gl,smbM	5.5'X4.5'			
cB,S,R,mbMN,r	2.4'X2.4'			
vB,L,R,vsmbMN,r	80"	3a(2)		13.2
Cl,vB,vL,IC,* 12...14	16.0'	I 2 m	30	10.9
vF,S,R				
pB,cL,IE,psmbM	2.8'X1.7'			
vF,vS				
eF				
F,S,R,bM,* nf 90"	1.4'X1.0'			
pF,pS,IE,bM	1.5'X0.8'			
B,pS,R,gbM	4.5'X2.1'			
10X50-eB,eL,nRi,nC; 32* in arrowhead shape	275'	II 3 p	80	4.3
vB,pL,R,psbM	5.0'X4.0'	E1		
F,S,=4357?				
cF,S,iR	1.4'X1.1'			
	3.6'	III 1p :a		13.0
cF,S,R,vgbM				
F,S	1.6'X0.9'	Ir		
B,S,*8,9 sf 3'	3.3'X3.1'			
B,S,R,smbM	1.5'X1.2'			
pS,R,psbMN	1.5'X1.3'			
pB,S,R,pgvmbM	3.2'X2.3'			
vF,pL,R,lbM	3.5'X2.2'	Sb		
cF,S,R,sbM,*** sp	1.2'X1.2'			
	2.6'X0.8'			
eS,stellar or neb,*11-12	1.8'X0.9'			
vB,pL,R,bM,* np	7.4'X5.5'			
pB,pL,iE,vglbM,sB narrow bar	2.6'X1.8'			
vF,vS,alm stell,vsvBN	1.9'X1.1'	SB		
cF,pS,mE at 130 deg	3.4'X0.5'	Sc		

Sheet1

vF,vL,iF,B* p	3.5'X3.0'	
eF,vL,np of Dneb	16.0'X13.0'	
vF,E,sf of 2	6.2'X1.7'	SBc
pF,vS,R,*13 np 90",np of 2	1.5'X0.9'	
pF,L,R,* 12...16	18.6'	12
vF,pL,R	1.8'X1.4'	
vF,vL,pslbM,sf of Dneb		
vF,forms trapezium w 4395,4400,4401		
vF		
pB,IE,bM	3.6'X3.4'	
vF,S,4394 sp		
F,pS,4390 p 14",14' s		
vF,pL,mE	3.5'X1.2'	
F,L,mE90	3.8'X1.1'	Sb
pF,S,R,vsbM,r	1.7'X1.1'	
F,S,r		
f of 2 neb,=4413?		
vB,L,R,gbMN	12.0'X9.0'	E3
vF,vS,E	1.5'X0.4'	
vB,L,E,g,vsmbM*,B diff N in B bulge	4.8'X3.2'	
vF,vS,E	0.5'X0.4'	
vF,pS,r,=4420?		
F,pL	2.3'X2.2	
pF,vL,R,gbM	1.0'X0.6'	
F,pL,R,gbM,r	1.6'X1.4'	
	1.0'X0.6'	
cF,S,gbM,2* n,np	2.4'X1.7'	SBa
	1.1'X0.9'	
eF,pS	1.4'X1.2'	
vF,L,R,*7 sp 5'	1.8'X1.6'	
	3.2'X3.2'	
F,pL,E,lbp	3.2'X1.2'	E7
F or vF,S or cL,R or mE,* nr	1.4'X0.7'	
F,pL,IE,r,=4409?	2.2'X1.0'	
B,pmE135,sbM	3.1'X1.0'	
	4.5'	III 1p :b
pB,pL,pgbM,B* np	2.5'X1.8'	
pL,vmE 240 deg	1.9'X1.1'	Ir+
vF,vS,E	2.2'X0.35'	
	3.1'X2.7'	Sm
Cl,F,S		
vF,(2or3 F* in neb)		
F,pL,iR,bM	3.6'X1.9'	SBa
pF,S,R,bM	2.9'X0.9'	SO
pB,S,iR,bM	4.5'X3.5'	
F,vS,R,psbM,2S* nr	1.2'X1.2'	
	3.0'	III 1p :b
cF,L,R,gbM	2.9'X2.3'	
B,L,cE,psbM,*10 nf	5.5'X2.5'	Sa

Sheet1

vF,vS,cE,gbM	1.7'X1.0'			
vF,pL,E	1.9'X0.9'	Sc		
	5.0'			
2* in eF neb	1.0'X0.7'			
pF,vS	1.3'X1.3'			
	3.9'X2.5'	Ir+		
pF,pL,IE	2.3'X1.1'			
pB,pL,R,*8.5 p 4'	2.8'X2.4'	E2		
vB,cL,R,np of 2	3.2'X1.9'	E4		
cF,S,gbM	1.6'X0.8'			
B,cL,vIE,r,sf of 2	9.7'X3.9'	Sap		
eeF,vS,*13 att	1.2'X0.6'			
B,pS,R,bM,r	1.7'X1.6'			
vB,pL,R,smbM	4.5'X1.8'			
F,S				
eeF,pS,R	1.1'X1.1'			
B,L,E90,sbM	4.0'X1.5'			
vB,cL,mE,D or bifid,rrr,*F,B center w N or *	6.0'X4.5'	Ir		
vF,pL,mE	2.6'X0.45'			
eeF,pS,R	0.9'X0.7'			
Cl,S,* 11...12	4.0'	II 1 p	10.3	
	4.3'X2.4'	Sm		
eF,L,R,vgbM	2.5'X2.3'			
B,L,R,gvmbM*,r,B* sp	5.5'X3.7'			
	3.0'	II 3 p	10.5	
pB,pS,R,bM,*13 s	1.5'X1.0'			
	1.4'X1.0'	Ir+		
	3.5'X2.9'	Ir+		
B,pL,E123,psbM	4.2'X1.2'			
	22.0'	IV 1 p	35	07.0
	6"X5"			
F,pS,bM,r	0.5'X0.2'			
pB,S,vmE	2.7'X0.6'	Sb?		
F,L,E,gbM,2 B* nf	2.7'X1.0'	S		
	34"X23"			
F,L,R,gbM,er,vsBN,broad weak bar	2.5'X2.2'	SB		
pF,S,R,gbM	1.5'X1.5'			
cB,pS,R,smbMN,vBN	3.4'X2.8'			
pB,S,R,bM,p of 2	1.5'X1.5'			
pL,30*	6.0'	II 3 p	8.4	
17.5"-pF,stellar,looks like D*				
pF,S,R,bM,f of 2	3.6'X1.3'			
pB,pL,iR,bM,r,*8 sf 2'	3.5'X2.7'			
pB,pS,E130,sbM	3.7'X1.6'			
vF,v dif	0.25'X0.2'			
F,vS,R,pgbM(=4665)	1.0'X0.7'			
pF,pL,mE,bM,r	3.2'X1.1'	SBp		
vF,pS,iR	1.2'X0.35'			

Sheet1

vF,vS,IE	0.45'X0.35'			
F,cL	1.2'X0.9'			
F,pL,iR,bM	1.4'X0.9'			
vF,vS				
eF,pL,R	2.0'X1.0'			
vB,L,R,mbM,r	8.0'X7.0'	E4		
pF,vS,R,*13 att				
pB	3.6'X2.3'			
	3.2'X1.5'	Ir+		
pF,R,r	1.9'X1.1'			
Cl,P,vIC	5.0'	I 3 p	30	8.3
F,S,R,bM,1 of 3	1.7'X1.1'	E4		
pB,cL	3.8'X3.5'			
eF,pL	1.6'X0.9'			
	<10"			
pB,S,R,psbM,2 of 3	1.7'X1.4'	E1		
pB,pL	1.5'X1.4'			
	<5"			
pF,pS,E,bs	2.5'X1.2'			
B,pS,iR,np of 2	3.0'X2.5'	Ir		
	0.35'X0.35'			
vB,vL,mE130,r,sf of 2	7.0'X3.5'			
pB,pS,R,bM	1.5'X0.9'	Sa		
vF,vS,IE	4.6'X1.4'			
In. Reg. Comp. Blk				
vB,vL,R,mbM,3 of 3	7.0'X7.0'	E1p		
pF,cS,R,gbM	1.8'X1.7'			
F,vL,er	4.1'X3.0'	Sc		
F,L,R	1.8'X1.0'			
	1.0'X0.9'			
pF,pL,vglbM,2* nr	2.1'X2.1'			
vF,vS,iR	1.2'X1.0'			
vB,pL,R,vsmbMN	4.5'X4.3'			
pF,cS,R,pslbM	1.6'X0.9'			
B,cS,E,pgbM,*9 f 50"	1.7'X1.1'			
F,S,E,lbM	1.2'X0.2'	Ir+		
vF or pF	2.0'X1.1'			
	1.0'X1.0'			
F,cL,biN or Dneb	4.0'X3.0'			
vF,pL,E,biN?	3.5'X1.7'			
Cl,vS,st F,mC	1.5'X0.9'			
eF,L				
F,R,(vS,CL?)	2.4'X1.7'			
B,vL,vmE	6.7'X3.0'			
vF,S	1.3'X0.6'			
vF,L,R,vglbM	1.8'X1.3'			
pB,S,R,gbM	3.5'X1.7'			
cF,pmE90,gbM,*9 p 8"	1.7'X1.5'			
pF,vS,iR,vgbM				

Sheet1

vF,cL,r,f of 2,=4496?			
pB,cL,iE,gvlbM,er	4.0'X2.8'		
vS,R,sbM *13			
	2.0'X1.6'	Irp+	
vF narrow bar	4.7'X3.0'	Sc?	
eF,vS,R,bM	1.2'X1.1'		
pB,S,R,psbM	2.2'X1.6'		
vF,pS,R,diff	2.6'X2.5'	E	
pF,pL,lbM	2.2'X1.9'	Ir+	
F,eE75,*10 nf,=4517			
cB,vL,vmE89,pB*in cont	10.8'X1.5'	Sc	
	3.8'X1.0'	SBc	
pB,S,pmE,pgbM,*10 p 12sec	2.7'X0.6'		
	6.5'X4.5'	Ir+	
vF,S,R,lbM	1.0'X0.6'		
planetary or neb *9.5,*13 p 15"	18"	2(2a)	12.0
F,vS,bM*	1.3'X1.1'		
F,S,R,bM			
F,pS,R,r	1.7'X0.7'		
F,pL,R,bM,r	2.8'X2.5'		
eF,pL,IE,vlbM	4.2'X1.1'	Sc	
cS,E (wisps) 130 deg,bM	1.6'X0.6'	Sa	
F,pL,iR,bM	3.0'X1.6'		
vF,S,2vS* inv	3.5'X2.2'		
neb * 4mag (8 CVn)			
vF,iF,bM	1.2'X0.7'		
Cl + neb,close to a **	2.5'X2.2'	Ir	
cF,L,IE,vglbM,r	4.5'X3.3'		
vB,vL,mE120,psmbM	7.0'X2.7'	E7	
	13.0'	III 2 p	12.0
pB,L,pmE69,mbM,vseBN or *	6.5'X2.2'		
pF,cS,R,bM,*9 f 30sec	1.7'X1.0'		
F,pL,R,vgbM	3.5'X2.3'		
F,4536 sf	2.5'X0.3'		
pB,pL,pmE,vgbM,r	3.5'X1.2'	Ir?	
pF,vL,r,vseBN or *	7.8'X7.0'	SBc	
B,vL,mE110,sbM,er	7.0'X2.8'	Sc	
F,L,iR,vgbM,S* nf	2.9'X1.6'		
eF,vS,nearly R	0.7'X0.3'		
	1.3'X1.3'	Ir-	
pB,pmE	3.0'X1.1'		
eF,pL,R	1.1'X0.5'	Sa	
vF,pS,E,vgbM,*9 f 2',p of 2			
eF,pS,E,f of 2			
F,pS,bM,r,BM no def N	2.1'X1.7'		
13"-B,L,scattered at 135X; 12*	15.0'	IV 2 p	10

Sheet1

eeF,S,R,nearly bet 2*			
F,S,R,gbM	1.6'X0.6'		
pF,cS,R,bM			
B,L,IE,lbM	5.5'X4.5'	SBb	
S,sp NGC 4565	2.4'X0.8'		
	2.4'X0.8'		
vB,cL,pmE78,vsmbMN	3.5'X1.7'		
vF,S,R,bet 2*	2.4'X0.7'		
pB,S,vIE,sp of 2	3.3'X0.9'		
B,pS,iR,vsmbM*12	1.4'X1.1'		
pB,S,R,psmbM *16	1.7'X1.3'		
vF			
pB,S,R,bM,nf of 2	1.7'X1.5'		
pB,pS,R,gmbM	3.4'X3.4'	EO	
F,pL	1.2'X1.0'		
vF,nf of 2(or 3)	0.7'X0.4'		
F,vS,R,mbM	0.8'X0.4'		
vB,vL,mE150,gbM,3 * f	13.0'X5.2'		
eF,S,integral-shaped body	1.8'X1.0'		
pF,S,iR,gbM	1.2'X0.8'		
cB,pL,R,gbM			
nebulous *			
F,vIE,glbM	2.1'X1.0'		
pB,pL,vIE,lbM,r	1.4'X1.1'		
!!B,eL,eE135,vsbMN = *10-11	15.5'X1.9'	Sb	
	3.6'X0.4'	Sd	
pB,S,IE,psbM	2.6'X1.6'	E6	
pF,pS,diff	3.0'X3.0'	S+	
vF,L,sf of Dneb	5.1'X2.4'	Sc	
vF,L,np of Dneb	3.0'X2.5'	Sb	
vmE,13 mag * sf,2 st 12 mag nr	2.2'X1.3'	Ir+	
cB,pS,mE0,sbM	4.2'X1.2'	E8	
pL,bMN	11.4'X4.7'	Sb	
vF,L,E,vgbM,*9 nf nr	4.5'X3.7'		
vF,vS,=NGC 4543			
cB,L,IE,pgmbM	3.0'X2.6'		
F,*7 sf	1.2'X0.8'		
pF,pS,R,sbMN,* np	3.2'X2.5'		
vF,L,IE,vglbM	1.7'X1.1'		
vF,S,*10 n 30"	2.6'X2.0'		
B,L,iR,vmbM	6.0'X5.0'	Sb	
F,S,pmE,2 * p	2.2'X1.8'		
pB,L,vgbM,vsBN	2.6'X1.8'		
	5.0'	II 2 r	100
cF,S,IE,bM			
vF,eS	0.7'X0.4'		

Sheet1

*12 in F neb			
F,S,bM,stell N	1.8'X1.1'		
vF,S,R	1.5'X1.1'		
pB,L,E,psbM,sBN	3.9'X1.2'		
F,pS,mbM	1.2'X0.7'		
vF,eS	1.4'X0.5'		
vF,CS	1.8'X0.9'		
F,L,E90,vgbM,BM no BN	5.1'X1.5'		
	3.0'	III 2m :a	15.0
vF,S	1.1'X0.6'	Ir+	
L,eRi,vC,iR,rrr,st 13...	12.0'	10	
pB,cL,E,sbMN=*,vBN in smooth bar	4.0'X3.1'	SBb	
	1.9'X0.6'		
L,vRi	18'	II 2 m	
pF,pL,R,gbM	1.7'X1.1'		
!vB,vL,eE92,vsmbMN	8.9'X4.1'	Sa	
B,pS,R,gmbM,r,3 * f	4.5'X4.0'	SBa	
B,L,vmE118,glbM	7.0'X2.5'		
F,vL,bM	3.6'X1.9'	SBc	
eF,L,R,vlbM	1.7'X1.5'		
F,S,R,2 * 8 f	1.3'X0.9'		
vF,vS	1.8'X0.8'		
	1.4'X0.3'		
F,L,E,vglbM	3.6'X1.4'	Sb	
1.0'X0.4'			
	1.8'X0.4'		
eF,L,R,pslbM,p of 2	1.8'X0.5'		
vF,pS,E,2 or 3 vS * inv	2.8'X1.6'		
F,L,R,vgbM,r	3.8'X2.5'		
pF,S,iR,er	3.1'X0.5'		
pB,pL,R,psbM,r,* np 1'	3.0'X3.0'		
F,mE,3' or 4' f NGC 4606	3.2'X0.7'		
F,vL			
F,S,R,*12 np,2 of 3	1.1'X0.9'		
vF,S,IE,1 of 3	0.5'X0.4'		
eF,S,IE,bet 2 vf *	1.3'X0.3'		
F,pL,E,3 of 3	1.6'X1.0'		
B,L,E,mbM,curved branch n	4.5'X3.5'		
pB,S,R,psmbM	1.6'X1.3'		
F,pS,R,lbM,*8-9f	1.5'X1.5'		
pB,cS,R,gbM,**p,vBN	1.7'X1.3'		
pF,S,R	1.5'X1.4'		
F,S,R,np of 2,BM no BN	2.1'X1.6'		
B,pL,IE,vsmbM,2 * p	4.5'X3.5'	E3	
vF,S,R,vgbM	1.8'X1.7'		
vB,vL,eE70,bMN,* att n	17.0'X3.5'		
vF,cL,dif,sev N	3.5'X2.1'	Ir+	
cF,pL,E,pslbM	2.2'X0.7'	E5	
eF,vS,R,* att nf,p of 2	1.6'X1.6'		

Sheet1

	1.7'X1.1'			
B,E,=4636				
Cl,pL,pC,cE,st 10	5.0'	ll 1 p	40	09.0
cF,S,E,gbM	1.3'X0.3'			
vF,cS,IE,glbM	1.0'X0.3'			
pB,pL,E,lbM,biN?				
pB,L,E45,BM no def BN	3.2'X1.2'			
cF,S,R,lbM	1.8'X1.3'	lr		
vF,L,vglbM	1.8'X1.4'			
vF,S,R,gbM	1.7'X0.7'			
eeF,pS,F* close p,NGC 4634 s	2.0'X0.8'	Sd		
pF,S,R,pslbM,f of 2	2.1'X2.0'			
vF,L,mE135,vgbM	2.6'X0.5'			
F,S,4 vS * sp	0.6'X0.3'			
B,L,iR,vgvmbM,r	7.0'X5.0'			
F,R,gbM,vB cent	2.9'X1.9'	E5		
cB,S,like a *10,Dneb w NGC 4638	1.2'X0.7'			
	1.6'X1.1'			
pB,S,E,R,*12 sf 1'	3.2'X2.2'			
eF,pL,IE,* nr p				
	4.5'X1.3'			
eF,pL,R,F* nr f	1.3'X0.9'			
pF,pL,gbM,2 B * 6' np				
vF,cS,E	2.0'X0.5'			
cB,pS,IE,mbM	3.0'X3.0'	SBa		
pF,pL,IE115,np of Dneb	2.9'X2.4'			
vF,vS,stellar,*15 f				
	2.1'X0.7'			
	2.0'	ll 1 p	15	12.1
vB,pL,R,f of Dneb	3'X2.5'	E1		
cB,L,E90,gbM,r	3.9'X2.5'			
pB,L,vmE34,sp of 2	22.0'X3.0'			
vF,pL	2.5'X2.3'	Sc		
	0.6'X0.5'			
	1.1'X0.7'			
F,vL,pmE(D?),3 * nr	5.3'X2.9'			
pF,L,E90,nf of 2				
pB,S,psbM	2.2'X1.5'			
vF,R,bM,r	3.2'X2.8'			
	2.9'X2.2'	SBm		
pF,pL,R,gbM,r	2.5'X2.0'			
vB,S,vsvmbMN	2.4'X2.1'	E5		
F,cS,R,bM,r	1.8'X1.3'			
F,E,r?	1.7'X0.4'			
vF,L,E,*16 att,*9 p	2.2'X1.0'			
	1.6'X0.8'			
pB,2 S * in M,S* p,=4665				
vF,S,*13-14 f	1.1'X0.9'			
F,pL,R,gbM	1.1'X0.4'			

Sheet1

B,pL,iR,mbM,*10 sp	4.5'X4.5'	
pF,cS,R,bM,r,p of 2,seBN	1.6'X1.4'	
B,vL,mE45,psbM	4.5'X1.4'	Sc
B,S,R,psbM		
F,vS,R,sbM*10,f of 2	1.0'X0.8'	
cF,S,IE7	1.6'X0.5'	
vF,S,iF	1.2'X0.6'	Ir
pF,S,R,psmbM	1.0'X0.8'	
vF,cS,R,glbM	1.9'X0.8'	
	4.6'X0.9'	Sd
vF,pmE,biN?	2.2'X0.35'	S0 pec
Dneb w 4676B and brighter	1.9'X0.8'	SBa pec
eF,S,R,vgbM	2.0'X0.6'	
pF,vS,vmE,vsmbM	2.1'X0.7'	
	2.5'X2.1'	Sc
eF,eS,R,(neb?)* 2" f		
eF,S,1 or 2 * inv	1.5'X1.5'	
	1.4'X0.5'	
eF,IE,vgbM	2.9'X1.0'	
F,S,R,sbM*,rr	1.5'X0.9'	
vF,pIE	2.4'X0.6'	
B,pL,pmE25	2.6'X0.9'	SO
cF,L,E45,gvlbM	2.8'X1.6'	
vF,vS,R,psbM	0.9'X0.7'	
eF,pS,vIE,mbMN	1.2'X0.7'	
eeF,pL,R	2.3'X1.2'	
	1.3'X0.7'	
pF,S,R,gbM	1.3'X1.2'	
eF,pS,R,vgbM,S* sp	2.1'X1.7'	
eF,pL,*9-10 p 10s	4.4'X4.4'	
pB,vL,E,vglbM,r	4.0'X3.5'	
F,cS,R,bM	1.1'X1.0'	
vF,S	1.1'X0.8'	
	1.9'X0.3'	
pB,pL,E90,mbM	3.2'X2.7'	
pF,S,vIE,vBN	3.5'X1.6'	
S,stellar	2.5'X2.2'	
	1.7'X0.3'	
cB,pL,iR,bM,r	3.5'X1.8'	
	1.8'X0.7'	
vB,L,IE45,smbMN	6.0'X3.8'	
cF,S,R,gbM	1.0'X0.9'	
F,S,E,glbM,er	1.4'X0.8'	
pB,L,R,gbM,r	3.5'X3.2'	
pF,S,viF		
vB,R,vmbMrN,r	3.5'X2.7'	
F,L,mE40,vlbM,B* p	3.0'X0.7'	SB
F,S,vsBN,complex B cent.	3.6'X3.0'	
eF,cS,pmE	2.3'X0.4'	

Sheet1

F,S,IE,spiral pattern ill-defined	2.5'X2.0'	Sc?
cB,pL,vmE28,sbMN	4.3'X1.3'	SO
vF,pL	2.4'X0.9'	
cF,pL,IE	3.0'X1.2'	
eF,S	1.6'X1.2'	
F,S,R	1.6'X1.3'	
pB,L,vIE,glbM	3.2'X2.0'	
vF,vS,R,psbM	2.2'X0.9'	
vF,stellar	1.7'X1.5'	
F,S,vsmB	1.2'X0.6'	
pB,L,R,vg,vSBM,vsvBN	2.3'X2.2'	Sb
pB,cS,R,gbM	2.7'X2.5'	
vF,vS,r?	0.8'X0.3'	
F,pS,R,gbM	0.4'X0.3'	
vB,vL,E,vg,vsvmbM,eBN	12.0'X9.0'	
eF,eS	1.2'X1.2'	
np part of Dneb,smbM	0.4'X0.25'	
	1.0'X0.25'	
eF,vS,bet 2*	2.1'X0.8'	
sf NGC 4716A & fainter	1.3'X0.4'	
eF,vS,pmE		
vB,L,iR,vsvmbM,BN,r	14.0'X12.0'	Sb
vF,S,R,psbM	1.5'X0.8'	
F,vS,R,stellar,np of 2	1.5'X1.5'	
F,pL,R,lbM,sf of 2	1.6'X1.4'	
vF,vlbM	0.6'X0.3'	
vF,pL,E	6.5'X3.4'	SBc
vF,E30,vlbM	2.2'X0.25'	
2 of 2,vF,vS,f 4714	1.1'X0.6'	
cF,pL,IE,r,*12 p	2.0'X1.8'	
vF,cL,E135	1.7'X0.35'	
	0.6'X0.6	
vF,vS,R	1.1'X0.8'	
eF,*6 n		
vF,vS,f 4714,w *11 4"f	1.8'X0.7'	
vF,4' n of Dneb	0.7'X0.3'	
F,pL,IE,pglbM	1.7'X1.5'	
F,pL,IE	3.5'X1.5'	Sp
pB,vS,vbMN=*11,*10 sf	2.3'X1.5'	E3
neb,1 of 3,p & little s of 4744	1.5'X1.4'	
pB,mE,r	2.2'X0.45'	
eF,S,bM		
2 of 3	1.2'X1.0'	
F,vS,iR,gbM		
vF,S,E,r		
F,R,gbM	1.3'X0.5'	

Sheet1

B,pL,R,psbM,p of 2	2.5'X1.0'	SO	
cB,L,vIE,vglbM	4.5'X2.5'		
F,L,E,gbM,3 of 3	2.1'X1.0'		
vF,pL,E?	3.0'X0.8'	lr	
pF,pS,R,mbM			
vF	1.8'X0.5'		
vF,pS,r	2.0'X1.7'		
B,pS,R,vg,vsembM	3.0'X1.1'		
pB,vmE31,3 B * s,f of 2	9.0'X2.0'	SO	
	400'	3? lr	
pL,double,*10 sp 2'	0.4'X0.3'		
eF,eS,1' f Dneb 4759	0.4'X0.4'		
vF	1.6'X0.4'		
pB,R	1.8'X1.8'		
	0.9'X0.3'		
eF,cS,R,bM	0.6'X0.4'		
eF,eS,sf Dneb 4759	0.5'X0.25'		
vF,S,lbM	1.7'X1.3'		
F,cS,R,gbM	1.5'X1.1'		
vF,vS,p 4770			
vF,vS,p 4770			
F,pL,mE,*9 p 90deg	4.0'X0.9'	Sc	
pF,pS,R,mbM	2.9'X1.4'		
vF,vS	0.6'X0.3'		
vF,S,R,glbM	1.9'X1.0'		
vF,S	2.0'X1.9'		
	938"X636"	3a	
!!Cl,vL,Ri,st vB (Kappa Cru)	10.0'	I 3 r	5.8
F,cL,R,vglbM,r	2.2'X2.1'	Sc	
vF,pL,R,r	2.1'X1.8'		
	4.5'	III 1m:b	
vF,S	2.3'X1.3'		
B,pS,IE,mbM	2.6'X1.2'		
vF,vS,4789 f	1.0'X0.25'		
	3.0'X2.2'		
vF,f 4773 and 4777	2.1'X1.4'		
vF,S,R,vlbM,f of Dneb			
F,S,R,vlbM,p of Dneb			
vF,S			
F,R,*9 att 1' n	1.4'X1.1'		
cB,vL,mE	3.5'X1.8'	SBC	
pB,cS,R,psbM,*14 p,vBN	1.7'X1.2'		
pB,pS,IE,*8 nf 1'	3.4'X1.8'		
eF,S,IE			
pB,pS,mbM,r	2.0'X1.5'	E2	
eF,eS	1.8'X0.4'		
pF,pS,R,mbM,f of Dneb	1.7'X1.6'	EO	
pF,pS,R,mbM,p of Dneb	1.5'X1.5'	EO	

Sheet1

eF,vS,IE,vlbM	0.5'X0.35'	
vF,vS,R,bM	3.9'X1.0'	SBC
pF,pS,iR	1.8'X1.3'	
	1.3'X1.0'	
F,Dneb w 4810, knotty core	0.7'X0.45'	
F,Dneb w 4809,B knotty core	1.8'X0.6'	lr
F,S,R,lbM		
pF,pS,gbM	1.0'X0.7'	
vS,R,7'n np of 4794	0.8'X0.4'	
pB,pL,R,bM,r	2.1'X1.8'	
eF,eS,alm stell,close f 4795	0.22'X0.22'	
F,pS,E, spiral pattern faint and indistinct	3.2'X2.1'	SBd
vF,S,2 or 3* near	2.3'X1.1'	
cF,S,vS* att	1.6'X0.6'	
vF		
B,pS,vIE,vgbM	3.5'X2.5'	
F,pS,R,bM	0.8'X0.6'	
eF,eS,R,lbM		
	1.7'X1.3'	S(B)dm
vF,S,*10 att	2.4'X1.6'	
pB,cL,E135,vsBN	2.6'X1.0'	
S,att to pB*		
vF,pL	1.3'X1.1'	
vF,no N		
	1.7'X1.2'	Sc pec
F,cS,R,gvlbM	1.2'X1.0'	
vF,pL,iF	1.1'X0.9'	
vF,S,iR,bM		
vF,vS,4819 np	0.5'X0.3'	
vF,vS		
F,S,R,bM	1.0'X0.4'	
!vB,vL,vmE120,bM,SBN	10.0'X5.0'	Sa
F,cL	1.4'X1.2'	
F,S,R	0.5'X0.5'	
neb?	1.1'X0.5'	
pB,L,pmE0,gbM	4.5'X1.7'	
eF,cS,R,gbM,p of 2	1.3'X0.9'	
eF,S,R,gbM,f of 2	1.1'X0.4'	
F,* inv	0.3'X0.2'	
vS,sp of 4825	1.0'X0.2'	
	2.6'X0.4'	
pB,iF,bM	2.0'X1.5'	
eF,vS,iR,vlbM	1.3'X0.7'	
vS,sf 4825		
F,pL,R	4.0'X1.8'	
vF,vS,4839 sp		
vS,sp of 4825		
F,L,* inv,*8 5' sf	1.9'X1.2'	

Sheet1

vF,vS	0.7'X0.7'			
pF,pL,R,vS* att	1.4'X1.4'			
vF,L,dif	1.4'X1.1'			
	1.0'X1.0'	E pec		
F,S,R,gbM	1.7'X0.9'			
pF,vS,R,sbM *17,*10 70 deg	1.9'X1.2'			
eF	1.3'X0.6'			
vF,pS,R,3 S * sp	1.4'X1.2'			
F,S,R	0.7'X0.7'			
cF,E,eR,* sf 30"	2.1'X0.5'			
Cl,pL,pRi,iF,*10..18	3.0'	I 3 m	100	9.6
pF,pL,pmE,vgbM,* nf	5.2'X1.3'	Sa		
pF,S,IE	1.7'X0.4'			
F,S				
F,pL,mE,vgbM	3.4'X1.0'			
pB,R,bM	1.7'X1.1'			
F,vS,r				
F,S neb*,*9 p 40sec on parallel				
F,S,R,pslbM	0.8'X0.7'			
	1.2'X1.1'	Ir+		
vF,pL,com				
F,vS,R	1.6'X0.7'			
F,vS,p of Dneb	0.5'X0.5'			
pF,S,R,f of Dneb	1.4'X1.2'			
vF,pL,vmE30,bet 2 st	4.5'X1.7'			
		6		
F,S,p of 2	0.6'X0.3'			
pB,S,R,mbM	1.6'X1.5'			
vF,vS,stellar,f 4864	0.7'X0.7'			
vF,vS,*7-8 f 13sec	1.3'X0.7'			
pF,IE,bet 2*				
F,S,st inv	0.4'X0.3'			
B,R,psmbM,*13 np	4.6'X1.6'			
B,pL,mE90,sbMN,S* inv	6.0'X1.3'	SO		
cF,S,R,*7 n	0.7'X0.7'			
eF,S,R	0.8'X0.6'			
vF,vS,stell N	0.7'X0.5'			
vF,vS	0.8'X0.6'			
vF,vS,stellar				
vF,vS,no Nucl	0.5'X0.5'			
pF,pS,R	1.5'X1.5'			
F,4869 & 4872 p	2.4'X2.4'			
eF,S,mE45,sbMN	1.8'X0.2'			
B,L,R,g,vSBM,st 12	13.5'	8		
	120'	2		
vF,S,others near				
vF,S,stellar				

Sheet1

F,S,IE,*9 sp	1.1'X1.1'		
pF,S,R,gbM	1.2'X1.2'		
vF	1.6'X0.25'		
chief one of mult neb,=4889?			
cF,pL,R,vglbM,r	3.4'X2.7'		
F,S,R,4889 f 4sec	1.1'X1.1'		
pB,pmE,bM,*7 n	2.8'X2.0'		
vF,*20 sp,*17 nf	1.0'X0.6'		
Cl,L,pRi,iR,st10...	11.0'	ll 2 p	60
vF,S,R	2.3'X0.9'	SOp	
vF,S close to 4894		Ep	
pF,S,R		SO	
vF,vS,p of 2	1.0'X0.8'		
pB,pL,mbM	2.7'X1.3'		
vF,vS,R,mbM	1.3'X0.7'	SOp	
vF,vS,f of 2	0.5'X0.4'		
vF,S,E	0.4'X0.3'		
cF,S,iR,bM			
vF,4902 nf	1.6'X0.8'		
cB,cE,*10 att pos135	2.5'X2.5'		
vF,vS,*15 p			
neb,nf 4914 (?)			
F neb*	2.8'X2.5'		
pF,S,R,bM,NGC 4908 np	1.3'X1.1'	E0	
vF,vS	0.9'X0.8'		
eF,vS,*13 att	1.1'X1.0'		
pB,cS,R,smbM,*17 np	3.5'X2.0'		
2 neb N of and inline w 4914			
2 neb N of and inline w 4914			
1 of 4,F,pL,*11 np 2'	1.3'X1.1'		
eF,S,E,bM	1.7'X1.0'		
F	2.8'		
pF,eL	2.7'X1.6'		
pB,pL,iR,st nr	3.0'X2.8'	SBb	
pB,pS,R,bM,B narrow bar	2.4'X1.5'	SB	
pF,cS,E,psbM,** np			
vF,vS,2 of 4	1.1'X0.6'		
eF,vL,rr			
F,pL,3 of 4	2.5'X2.0'		
pB,S,R,lbM,*11-12 f	2.3'X1.0'		
pB,S,R,bM	1.7'X1.4'		
vF,cS,R,* att,p of 2	1.5'X1.3'		
vF,4 of 4	0.8'X0.8'		
vF,vS,R,slbM,f of 2	1.4'X1.3'		
eF,eS,R,bMN,4915 sp 4'	1.0'X0.5'		
pB,S,R,glbM	1.1'X1.0'		
vF	1.0'X0.7'		

Sheet1

vF		
eF,3 or 4 * 11-12 f	1.9'X1.7'	
	0.6'X0.5'	
	3.7'X0.6'	Sc
cF,S	0.6'X0.5'	
vF,S,R,vgbM	0.8'X0.6'	
cF,L,vIE45	0.7'X0.7'	
cF,S,R,vglbM	1.8'X1.4'	
F,S,*16 close p	1.0'X1.0'	
F,pS,vIE,glbM	1.3'X1.0'	
F,S	1.6'X0.6'	
eF,R,psbM	0.8'X0.7'	
	1.9'X1.9'	Sc
vF,vS,R,3 * f	1.2'X1.0'	
F,S,IE	1.0'X0.2'	
vF,vS		
F,S,R,bM,*9 nf 1'	1.6'X0.6'	
pB,pL,iR	2.5'X1.5'	
	0.8'X0.7'	
	0.4'X0.4'	
vF,R,tri 2 * 8,9,f	4.5'X3.7'	
eF,S		
vF,S,iR,bM		
pF,L,E,gbMBN,r	3.7'X2.1'	
vF,S	1.8'X1.3'	
pB,L,R,gmbM	5.8'X3.2'	Sb
pB,S,R,bM,* f 6sec	1.9'X1.9'	
	1.7'X0.7'	
eeF,S,R,p of 2		
eeF,pS,IE,4958 f	1.8'X0.7'	
F,S,R,f of 2	1.2'X1.0'	
F,S,R,psbM *11	1.3'X0.8'	
pB,cS,R,smbM	1.5'X1.5'	
F,pL,IE,r	3.3'X1.4'	Sc
	1.4'X1.2'	
F,S,R	1.1'X0.9'	
B,vL,vmE39	20.0'X3.8'	
eF,S,IE	1.3'X0.6'	
F,pL,R,vglbM	2.8'X1.7'	
B,pS,R,gpmbM,p of 2	1.5'X1.2'	
vF,S		
eF,S,R,pslbM,f of 2	0.9'X0.7'	
eF,S,R		
vF,S,E,* att		
vB,pS,E,bMBN	4.1'X1.4'	E6
	<10"	
F,S,R,N = *16		
F,S,iF	1.6'X1.1'	
cF,vS,R,bM	6.7'X5.9'	Sm

Sheet1

F,vS,R,stell,vS* s	0.9'X0.9'	
eF,vS		
F,cS,R,gbM	1.8'X1.3'	
vF,pS,am 3 S *	1.1'X0.9'	
vF,S		
cF,S	2.0'X2.0'	
vF,vS,vIE,vglbM,** sp	1.0'X0.45'	
	3.2'X2.2'	Ir+
	2.5'X1.4'	
F,vS,IE,** nr n	1.0'X1.0'	
eeF,S,R,v diffic		
F,pL,R,glbM	1.9'X0.9'	
vF,vL,cE,vgbM	2.6'X2.3'	
vF,pL,iF	1.8'X1.0'	
eF,pL,IE	1.1'X0.7'	
F,vS,R,sbM,stellar	1.6'X0.8'	
vF,vS,stellar	1.2'X0.7'	
vF,vS,R,psbM	1.0'X0.6'	
vF,vS,R,lbM	1.3'X1.0'	
vF		
vF	1.1'X0.7'	
vF,S,R,stellar	1.7'X1.0'	
vF,pS,lbM		
B,pL,R,gmbM	4.3'X2.6'	
Stellar	18"X11"	2
In. Reg. Vry Blk	0.5'X0.4'	
B,pL,R,*10 sf 1'	2.8'X2.2'	
vF,S		
vF,S,IE,2 S * s	1.2'X0.7'	
B,pL,R,psmbM	2.8'X2.2'	
eF,cS,R	2.2'X1.2'	
vF,vS		
vF,vS,np of 2	0.9'X0.6'	
vF,vS	1.0'X0.8'	
pB,S,R,*4 sf	1.5'X0.9'	
pB,S,R,bM	2.0'X1.6'	
cF,pL,R,lbM,er	2.3'X2.0'	
pF,S,iR,gbM	1.3'X0.4'	
pB,pL,R,vgpmbM,*8 np	2.5'X1.7'	Sb
	<10"	
vF,vS	1.3'X1.1'	
cF,pS,IE,np of 2	1.7'X1.4'	SBb+
pF,cS,R,slbM,am st		
vF,S,E,r	1.7'X0.5'	
	3.3'X0.8'	SBc
*6.5 2' p	0.55'X0.3'	
	<5"	
vF,pL,E,*13 att n	1.7'X1.1'	

Sheet1

vF,R,bet 2vS*	1.3'X0.8'	
vB,vL,vmE66,vsbMN	6.3'X3.0'	Sb- II
vF,vS,vIE	1.6'X1.3'	SBb-
pF,pL,R		
pF,cL,E17,bi-N,*9 f	2.9'X1.7'	Sb II
pF,S,E,psbM	1.7'X0.6'	Sa
F* close p	2.0'X1.7'	
pB,S	1.9'X1.4'	Sb II-III
F,L,vmE ns,gvlbM	2.6'X0.6'	Sc
pF,cS,R,*12 nf 90"	1.6'X0.7'	
vF,vS		
pF,L,mE20,vlbM	7.5'X0.8'	S
vF,vS,R	1.0'X0.8'	
	1.7'X0.8'	
F,cL,iR,lbM	1.9'X1.5'	
	2.0'X0.6'	Sm
vF,R,bM,*10 np 5'	1.3'X0.6'	
In. Reg. Comp. Blk	2.5'X0.8'	Sc pec
cF,cL,vIE,lbM	3.3'X2.8'	
	1.5'X1.2'	Sm pec
F,vS,R,gbM	1.7'X1.1'	
	0.8'	I 1p :b
eF,vS,R,er	0.9'X0.7'	
vF,S,IE,*13N	2.2'X0.6'	
pB,cS,R,am 4*	2.0'X2.0'	E1
!B,vC,iR,vvmbM,st 12...	12.6'	5
vF,R,bM	1.7'X1.4'	E2
cB,S,R,mbMpBN	2.6'	Sa
	1.2'	I 1p :b
	2.5'X2.2'	Ir+
vF,pL,E30,gbM,f5018	2.5'X0.4'	Sb+
vF,S,R,pgbM	1.5'X1.3'	
vF,pL,iR	2.2'X1.1'	
vB,pL,E167,smbM,vBN	11.5'X5.5'	Sb
F,S,iR,vgmbM		
vF,S,*11,12p	1.7'X1'	E6
	1.9'X0.6'	SBc
vF,S	1.9'X1.2'	SB0
vF,stellar	1.5'X0.3'	
pB,pL,R,gbM,*7 nf	2.3'X1.7'	SBa
	3.8'X1.5'	Ir+
F,S,R	1.7'X1.5'	
eF,vS,R,gbM,1st of 2		
F,S,R,bMN	1.6'X1.2'	S(B)0
	1.0'X0.7'	Irp+
eF,eS,E45,2nd of 2		
cF,pS,vIE,bM	2.5'X1'	Sb+

Sheet1

pB,E90,stellar	1.2'X0.2'			
	1.5'			
pB,pL,R,bM	2.6'X2.6'	E0		
	2.7'X1.0'	Ir+		
F,L,R,vgvlbM,*9p	4.2'X2.5'	SBc		
vF	1.4'X0.9'			
F,vS,R,stell nucl	1.2'X1'	E2		
vF	3'X0.8'	S0		
F,vS,stell	1.4'X0.5'			
vB,L,pME120,vsmbM,BN	15'X9'	Sb+		
cF,S	2.1'X0.7'	S0		
pF,R,sp of 2	1.5'X0.8'			
cF,cS,R,sp of 2	1.9'X0.9'			
nf of 2	1.3'X0.6'			
Cl,vF,pL,iR,vgbM,st 15	10.5'	11		
cF,cS,R,nf of 2	1.2'X1.1'			
Cl,P,E,sC st11				
vvF	1.0'X0.7'			
F,pS,iR	5'X3.1'	Sb		
eF,S,IE	1.0'X0.2'			
Cl,vL,vRi,st11				
cF,vS,R,Stellar	1.9'X1.3'	S0		
F,S,IE	1.4'X0.8'			
vF,cS,nf of 2	1.5'X0.8'			
vB,S,R,vsmbM,*1Of	2.6'X2.3'	E2		
vF,vS				
vF,vS	0.5'X0.3'			
eF,vS,R,* nr	2.3'X1.8'			
eF,vS,E,r	2.2'X0.7'			
eF,vS	0.9'X0.8'	P		
eF,eS,stell				
eF,vS,(=5066)				
	4.0'	I 2 p	30	11.6
F,L,iR,bM	6.9'X6.3'	S(B)c		
pF,pL,R	1.4'X1.2'			
B,S,R,pslbM	2.8'X1.2'	Sb		
F,S,*14 nf	0.35'X0.25'			
	3.0'	IV 2 p n	20	11.5
vF,eS,stell				
pF,S,iR,*7,8 np	2.2'X0.7'			
eeF,eS,vf * nr,5072 nr				
vF,pL,pmE135	3'X0.7'	SBc		
	2.6'X2.5'			
F,S,*7 nf				
vF,cS,R,1st of 3	1.0'X0.6'			
pB,S,vIE,sbM,2nd of 3	2.0'X1.6'	E3		
vF,S,R,lbM	1.6'X0.7'			
cF,pS,vIE,3rd of 3	1.7'X1'	SBb+p		
pF,pL,gbM	2.1'X1.0'	Scp		

Sheet1

pB,pL,iR,*17s	1.0'X1.0'			
pB,pS,cE,psbM,*7 8' f	3.2'X1.7'	Sa		
vF,cS,R,bM,sp of 2	1.4'X0.7'			
cB,cS,vIE90	4.8'X1.3'	S0		
	1.9'X0.9'			
pB,pS,r,E,bM	2.7'X0.9'	Sc		
vF,S,bet 2*,nf of 2				
cF,vS,iF	2.3'X1.5'	E4		
F,L,R,vglbM	3.4'X3'	Sb		
pB,cS,E	1.5'X1.0'			
vF,iR,*11 sp	1.2'X0.4'			
	5.0'	II 2 p	20	11.2
	2.5'X1.2'	S(B)+		
cF,vS,R,gbM	0.8'X0.6'			
cF,S,cE	1.8'X0.45'	S		
eF,eS,R,stell				
vF,S,R,1st of 4	1.7'X1.0'			
vF,vS,lbM	1.3'X0.9'			
pB,pL,R,3rd of 4	2.6'	E2		
eF,vS,R,2nd of 4				
eF,eS,R				
cF,S,vIE,4th of 4	2.2'X0.4'	Sp		
F,S,IE	1.3'X0.4'			
vF,S,cE0	1.8'X0.5'	SBc		
cF,S,E,(=5109)	0.9'X0.3'			
vF,vS				
eF,pS,IE	2.6'X2.1'			
cB,pS,IE,psbM*	5.5'X4.9'	SBa		
F,L,iR,vglbM	4.0'X2.8'	Sc		
vB,pS,R,svmbM	9.3'X3.5'	S0		
eF,pS,R,line w 2B*				
	25"			
	15.0'	IV 2 p		
cF,cS,iR,glbM	0.4'X0.4'			
eeF,S,R,* nf,D*f24"	1.6'X0.7'			
cB,S,R,g,sBM	1.3'X0.8'	Scp		
pF,pS,pmE,glbM,r	2.3'X0.7'	Sb-		
vF,L,tri 2*11 np	2.2'X1.0'	SBc		
pF,S,R,gmbM	1.4'X1.2'			
eeF,p of 2	1.2'X0.3'			
vF,S,R,gbM	0.9'X0.8'			
pB,pL,R,gmbM,**p	2.3'X1.7'	E2p		
pF,S,R,gbM	1.9'X1.4'			
pB,S,IE	1.2'X0.3'			
F,pS,IE,N=*15	2.2'X0.35'			
F,IE,psbM,f of 2	1.7'X1.0'			
pB,vS,R,gmbM,**f	1.7'X1.5'			
vF,S,r	0.8'X0.3'			
vF,vS,gbM	0.8'X0.4'			

Sheet1

vF,resolvable	1.2'X0.8'			
cB,S,R,psmbM,r	2.3'X2.0'	Sa		
eF,vS,R,psbM				
eeF,pL,v diff				
cF,cS,R,vsmbM*,sp of 2	1.5'X1.1'	S0		
vF,S,vIE	2.2'X0.7'			
vF,vS,irrR,bM				
vF,vS	1.4'X0.4'		35	9.9
F,cS,R,vsmbM*,nf of 2	1.0'X0.7'	S0		
vF	0.45'X0.30'			
pB,vS,vIE,glbM	2.3'X1.8'	S		
	1.7'X0.5'			
F,pS,IE,vgbM	2.8'X1.7'	Sb		
!!vB,vL,vmE122,bifid	18.2'X14.5'	S0p		
	150'	E		
pB,S,E	2.4'X1'	SBb-		
Cl,eRi,mC,st12...16				
cF,pS,E,bM,sp of 2	1.6'X0.9'			
	2.8'	III 3 p	30	11.3
vF,S,R,glbM	2.0'X1.7'	SB0		
pB,pL,vIE,vsmbM*12	1.8'X1.6'	Sc		
vF,pL,R,nf of 2	1.4'X1.4'			
vF,vS,stellar	0.6'X0.4'			
vF,S,R,*8 nf 4'				
eF,S	0.9'X0.8'			
	1.65	0		
!!!eL,B,eRi,vvC	36.3'	8		
cF,stellar	1.1'X0.7'			
cF,S,iR	1.0'X1.0'	SBb		
Cl,Ri,IC,st11	8.0'	II 2 p	40	10.3
F,pS,vIE,bM,p of 2	1.6'X1.1'			
vF,R	1.4'X1.3'			
cF,S,R,pslbM,*f2'	1.4'	E0		
vF,S,R,p of D neb	2.0'X0.6'			
pF,S,f pF Dneb	2.0'X1.0'			
eF,S,IE	1.5'X0.4'			
pF,(?vF D* w F* close)				
pF,pL,IE,lbM,f of 2	2.4'X0.35'			
vF,pS,R	2.1'X0.7'	SBb		
	4.0'		20	11.0
F,vS,R,stellar	1.0'X1.0'	E0		
F,vS,R,*13 sf				
vF,sev vF * close				
pB,cS,IE,glbM,r	2.1'X2.0'	SBb-		
vF,pL,IE,F* nr nf	1.0'X0.3'			
pF,L,vmE,pgbM,rr	5.3'X2.3'	S		
pF,cS,R,vglbM	1.8'X1.1'			

Sheet1

vF,pL,P w 5175	3.7'X2.0'			
vF,pL,P w 5174	3.7'X2.0'			
pB,L	1.1'X0.8'			
No descr	0.4'X0.4'			
No descr				
F,pL,R,gbM	3.3'X1.9'	Sb+		
	4.0'	II 3 p	20	10.1
vF	1.1'X0.7'			
vF,*in centre	0.9'X0.5'			
vF,S,R,am 3*,*7 nf	1.5'X1.0'			
pB,cL,iR,gmbM,r	5.3'X3.3'	Ir IV		
vF,S,R	0.9'X0.8'			
Cl,vRi				
	2.3'X0.8'	S(B)+		
cF,L,mE129,pgbM	7.0'X0.7'	Sb		
	7.0'	III 2 p	20	9.5
vF,vS,R,glbM	1.3'X0.8'			
vF,S,iR	1.9'X0.7'			
!!!,Great spiral nebula	9'X7.5'	Sc		
vF,pS,R,bet 2 vf *	3.5'X2'	S		
B,pS,IE,vgbM,inv M51	7'X5'	P		
F,cS,IE,gbM,p of 2	2.0'X1.0'			
pF,pL,iR,bM,f of 2	2.2'X1.2'			
pF,pS,R,mbM	2.0'X1.7'	E2		
cF,S,R,bM,***f	1.0'X0.8'			
vF,vS,IE	1.0'X1.0'			
	9.0'	III 1 m	40	10.5
eF,*9f 57"				
vF,pL,vIE,*7 nf 10'	1.9'X1.3'			
	1.4'X0.9'	Ir+		
vF	0.6'X0.3'			
	1.4'X0.8'	Pec		
Cl,vF,S,vRi,st15	4.0'	I 3 p	50	10.4
vF	0.8'X0.7'			
F,pL,vIE,vglbM	3.0'X1.1'	SBb+p		
vF				
*12 in F neb				
pB,S,R,g,psbM	1.8'X1.6'	E2		
vF	1.2'X0.3'			
F,S,cE,*11 att np	1.9'X1.1'			
pB,S,vIE	3'X2'	E0p		
vF,cS,R,gbM,r	1.8'X1.0'			
	12.0'	III 2 p	15	8.5
	4.0'	I 3 p	20	8.9
pB,pL,R,gbM	2'X1.6'	SBbp		
F,vS,R,psbM,p of 2	1.6'X0.6'			
eF				
F,vS,R,stellar,f of 2	1.2'X1.1'			

Sheet1

vF,S,R,lbM	1.1'X0.9'			
F,S,R,psbMN	1.8'X1.7'			
pB,S,R,psmbM	2.4'X1.7'			
cF,pS,iR,lbM	0.7'X0.7'			
F,pL,R,vgbM	3.7'X3.2'			
B,pL,cE,bM,curved axis	140"	5		14.0
eF,L,mE,v diffic	3.7'X0.6'	SBd		
vF,S,R,bM	1.1'X0.9'			
F,cS,R,*10p,p of 2	1.5'X1.3'	E1		
vF,vS,R,f of 2	1.0'X0.9'			
	7.0'	IV 2 p	20	
vF,S,IE	1.0'X0.9'			
cF,pL,R,vlbM	2.0'X1.6'	S(B)dm		
cF,S,R,bM,2nd of 3	1.6'X1.2'			
vF,S,vIE,1st of 3	3.'X0.7'			
eF,pS,5221 sp				
eF,eS				
F,S,R,vS* nr	1.2'X0.5'			
vF,S,*9 nf				
vF,S,R	1.6'X1.5'	SBb		
eF,S	1.2'X0.7'			
F,L,E,vgbM,3rd of 3	2.1'X1.8'	Sc		
F,S,bM	1.2'X1.1'			
vF,pL,R,lbM	2.1'X1.6'			
vF,S,R,*10f	2.3'X0.7'			
pB,S,R,vgbM	1.0'X0.9'			
F,vS	1.3'X1.3'			
vF,pS,vIE,*9 sp	1.2'X0.5'			
cF,pL,E65,Bin?	1.5'X0.4'	S		
	1.9'X1.5'	SB+		
eeF,S,IE	1.3'X0.8'			
vF,pL,R,er	2.1'X2.0'			
pF,eS,vf * close	1.1'X0.5'			
pF,pS,R	3.4'X3.2'			
	4.0'	II 2 p	35	10.9
eF,eL				
vB,vL,E55,esBMN,spir	11.2'X10.2'	Sc		
vF,vS				
	3.4'X1.7'	Ir+		
B,L,E150,psbMRN	6.8'X5.0'	Sc		
vF,vS				
vF,vS	1.0'X0.8'			
vF,S,vIE	0.7'X0.7'			
vF,S,R,bM	1.2'X0.8'			
F,pL,cE,vglbM	1.9'X1.6'			
cF,vL,vg,psmbM,LN	4.5'X4.0'	Sb		
eF,vS,R,gbM	1.2'X1.1'	P		

Sheet1

vF,S,R,bM	1.5'X0.9'		
	2.5'	III 2p :b	
vF,vS,R			
vF,S,R,vglbM,*13 att	1.7'X0.6'		
vF,S,iR			
pB,L,pmE,glbM	3.2'X1.8'	P	
	16"X10"		
vF,S,R,bM,p of Dneb	1.8'X0.8'	S(B)bp	
B,pL,E45,psmbM	4.0'X1.7'	E5	
F,S,iR,f of Dneb	1.7'X1.4'	SBb	
cF,S,mE0,*9 sp	1.6'X0.35'		
F,cS,vIE,er			
vF,R,am pB st			
	3.1'X2.4'	Sc	
eF,pL,3*f in a line	1.9'X1.9'	SBb+	
F,S,R,gbM,S* np	1.4'X0.5'		
	478"X281"	3b(3a)	11.5
	2.8'X1.8'	SBc	
	3.0'	I 2mn:b	
F,S,stellar	1'X1'	S0	
vF,pL,R,vlbM	1.8'X1.2'	Ir+	
vF,vS,R,gvlbM	0.9'X0.7'		
pF,R,vS neb 40"f,*N	1.0'X0.7'	SBb	
F,vS,f of 2	0.6'X0.4'	SBap	
cB,pL,R,g,psmbM	2.8'X2.3'	E1p	
neb,probably *			
!!eB,vL,vsmbM,st 11..	16.2'	6	
eF,S,bet 2*	1.2'X0.9'		
F,S,R,gmbM	0.5'X0.5'		
vF,vS,R,bM			
F,S	1.1'X0.7'	SBb	
eF,S,R,bM	0.6'X0.4'		
	<10"		
F,vS,R,bM	0.8'X0.8'		
B,pL,vIE,vglbM,3st nr	3.2'X2.1'	S0	
F,S,R,gbM*14	1.6'X1.3'		
eF,vS,R,gvlbM	0.7'X0.7'		
	1.3'X0.3'	Pec	
Cl,P,L,iF,st 12			
F,S,iRR,r?			
vF,vS,IE90,sbM	1.9'X0.5'	S(B)b-	
eF,2st att or inv			
cB,pL,E90,bMN	3.6'X0.9'	Sb	
	<5"		
vF,pS,IE0	1.5'X0.45'		
R,bM,sp 5297	0.9'X0.5'	S0	
vF,eS,stellar,eF*v nr			
cB,L,pME142,gbM	5.8'X1.0'	Sb+	
cF,L,vmE150	4.2'X0.8'	Sb	

Sheet1

vB,pL,R,rrr,st 15	9.1'	5		
Cl,L,vRi,st7...16				
Cl,B,S,pC,iR,*10..12	5.0'	I 1 p	40	6.6
eF,vL,resolvable	1.7'X1.5'	Sc		
B,pL,mE57,psbM,BN	2.8'X0.45'	S0/E8		
vF,R,vlbM,**p	1.4'X1'	Ep		
pF,S,R,2st nr	1.6'			
pF,cS,IE,F** inv	1.0'X0.45'	P		
eF,S,R	1.6'X1.1'			
F,S,R,gbM	1.4'X0.8'	SBb		
vF,vL,IE,vgbM	3.8'X2.3'	Sc		
	2.5'X1.5'	SBc		
Cl,S,C,iR,st14	4.0'	II 2 p	25	
	16.0'	III 1 p	30	
F,S,R,gbM	1.7'X1.3'	SB0		
cF,cS,R,sbM,p of 2	2.2'X1.7'			
eF,S,R				
vF,vS,R,r	0.5'X0.4'			
pF,cS,bM,E	1.5'X0.5'	E7		
vB,pL,iR,psmbM	6'X4'	E2		
	4.5'X3.6'	SB		
vF,R,stellar,1st of 4				
pB,pS,vIE,glbM,f of 2	1.6'X0.9'	Sb		
eF,pS,IE,vF *f	1'X0.8'	E4		
vF,S,R				
vF,pS,R,bet D*nf				
cF,pL,R,gbM	3.6'X1.8'	S(B)c		
Cl,vL,vRi	30'			
F,S,R,psbM,2nd of 4	1.5'X0.9'			
vF,R,n of 5318,3rd of 4				
eF,pL,R,svmbM*,4 of 4	0.7'X0.5'			
cF,S,vIE,sbM	2.2'X1.0'	Sb-		
*12 in F neb				
eeF,pS,R,v diffic,* nr				
Pln or vf,eS,Dneb	15"X10"	3		
vF,vL,R,vgbM				
eF,vS	0.9'X0.3'			
cF,L,iR,bM	2.4'X2.4'	Sc		
vF,S,R	0.9'X0.9'			
cF,pL,R,psbM	1.6'X1.3'			
F,pS,R,2st p	2.1'X1.7'			
F,vS,R,psbM	1.5'X1.5'			
vF,S,E0,rr	1.1'X0.8'			
Cl,P,S				
	25"			
vF,S,iR,*7p	1.8'X0.8'			

Sheet1

IE,bM,sp 5351	1.4'X0.6'			
pB,S,R,slBM	1.7'X1.4'	E2		
cF,vL,R,lbM,r	4.5'X3.5'	S		
F,iR	2.3'X1.8'			
eeF,S,R,v diffic	0.4'X0.3'	E		
bM,sp 5351	1.8'X0.5'			
eF,pL,irrR,glbM,r?	2.4'X0.9'			
pF,cL,R,lbM	1.7'X1.4'	SBb+		
vF,E,pF,4'f D*	2.3'X1.3'			
cF,L,IE90,vgbM	2.9'X1.6'	Sb+		
pB,S,R,2nd of 4	2.8'X1.8'	E5		
pF,S,R,3rd of 4	2.2'X2.0'	S0		
cF,pL,bM,*7p,1st of 4	3.4'X2.7'	Sb		
cF,S,R,lbM,* nf 90"	1.2'X1.0'			
vF,pS,4th of 4	1.2'X0.7'			
vF,pS,R	2.1'X2.1'			
Cl,pL,pC,st11	14.0'	III 1 p	80	7.8
vF,S,R,lbM	0.6'X0.5'			
vF,vS,R,2 vf * inv	1.3'X0.35'			
F,S	1.4'X1.4'			
vF,pL,iR,vgvlbM	2.3'X1.8'	SBd		
vF,mE ns	3.5'X0.6'	SBb+		
F,S,R,bM	2'X2'			
F,cS,R,stell,*16 nf	0.9'X0.7'	SBb-		
vF,vS,R,*8f				
eF,cS,E	0.8'X0.4'			
cF,S,E(** inv)	0.7'X0.4'			
stellar=10.5mag	5'	2		11.3
pB,pL,E	2.4'X1.0'	S(B)b+		
	4.0'X1.4'	Ir+		
F,pL,vmE17,r	3.0'X0.8'	Sa		
cB,pL,vIE,vgmbM	1.7'X1.1'	Ir-		
	2.9'X2.1'	Ir-		
pB,pS,E,mbM	2.0'X0.8'	SBb		
vF,vS,IE	1.8'X1.0'	Ir-		
pB,L,R,bMFN	4.5'X3.5'	Sb+		
pF,S,R,glbM,bet 2*10	1.5'X1.3'	E0		
pB,pL,E,mbMN	4.5'X1.1'	S(B)a		
B,pL,R,psbM,*8 nf	5.5'X3.5'	Ep		
cF,L,R,gbM	7.2'X5.5'	Sb+p		
B,L,mE42,smbMN	4.5'X2.5'	Sap		
	2.6'X0.5'			
S,R,*9dist2'	0.7'X0.6'			
pB,pL,R,lbM	3.5'X2.7'	SBb-		
vF,vS,R				
pB,IE,vglbM	2.2'X1.7'	SBa		
F,cS,R,smbM	1.8'X1.8'	Sa		
cB,cL,R,gbM	3.5'X2.4'	SBb		
F,vS,* close				

Sheet1

eF,vS,R,2F* nr			
vF,vS,stell			
F,L,vgbM,*9 nf			
pF,S,R,D*p	1.2'X1.0'		
	11.0'		
cF,pL,R,vgbM,*11 np	1.7'X1.6'	SBb+	
	20'X8'	5 lr	
vB,vL,vsmbM**	4'X3'	R	
pB,cS,R,pgbM,am st	3.2'X2.3'	SB0	
pF,pS,R,pslbM,*7p37"	1.2'X1.0'		
L,F,SN,vmE,edge on spiral	5.0'X0.8'	Sb	
F,vS,stellar	1.7'X0.8'		
vF,vS,stel,resolvable	1.5'X1.1'		
vF,vS,R	1.2'X0.3'		
	9"		
vF,vS,bi-N,stell,resolvable	1.1'X0.5'		
	1.6'X0.3'		
vF,ray 2'	1.6'X0.25'	Sc	
cF,S,np of 2	1.9'X0.8'	SBbp	
cF,cL,E15,lbM,sf of 2	3.0'X1.3'	Sb+	
F,S,R,vgbM,nf			
vF,S,iR,sbM*			
vF,cS,R,gbM	1.2'X0.8'		
eF,vS,pmE90	1.3'X0.35'		
cF,cS,E	1.6'X0.3'		
Cl,vL,IRi,IC,st11			
vF,pL,iF	3.2'X0.6'	SBb	
F,pS,R,lbM	1.9'X1.4'	Sb+	
vF,S,R,glbM	0.9'X0.7'		
vF,cS	1.5'X0.9'		
Cl,RI,vC,pL,*11...12	14.0'	ll 2 p	50
pF,pS,bM	1.6'X0.8'		
pB,S,pmE45,vsmbMN	3.3'X0.5'	S0	
pB,S,IE,mbM	2.3'X1.6'	Sb	
eF,S,IE,B*4'n	1.9'X0.45'		
vF,vS,R,bM,in Cl	1.4'X1.0'		
	3.0'	ll 2p :b	
*12 in neb			
vF,iF,bM	0.9'X0.9'		
pB,pL,R,vgbM	2.8'X1.7'	SBdmp	
vF,S,R,gbM	1.4'X1.0'		
eF,R,5416 f 26"	1.7'X1.1'		
F,irrR,2 vf * inv	1.1'X1.1'		
vvF	1.4'X0.8'		
S,F*centre,*10-11 nf	1.0'X0.7'		
vF,pL,cE,bet 2*	1.1'X0.3'		
cF,S,R,psbM,*p	1.5'X0.6'		

Sheet1

eF,vS,E,r	1.5'X0.8'		
vF,R,bM	1.1'X0.55'		
pF,L,E	3.3'X1.1'	SBb	
vF,cS,IE0,bM	1.7'X0.35'	Sm	
F,pS,iR,glbM,conn M101			
pB,S,R,gmbM,conn M101			
vF,pL,gvlbM,conn M101			
vF,R,*in centre	1.5'X0.9'		
vF,pL,iR,vlbM,conn M101			
vF,pS,R			
pB,cL,vmE90,smbMN	4.3'X2.0'	Sb+	
vF,R,*in centre	1.6'X1.3'		
vF	0.55'X0.45'		
pF,cS,IE,bM,*11 sp	3.2'X1.6'	Sa	
pB,pS,R,psbM,conn M101			
F,pL,IE,vlbM,conn M101			
vF,S			
vF,pL,R,vlbM,conn M101			
vF,L	1.8'X1.8'		
pB,vL,iR,g,vsmbM,BSN	28'X28'	Sc	
eF,E bet 2vS*			
	1.8'X0.3'		
pB,pL,IE,vsmbM	2.5'X2.0'	E1	
pF,cL,R,nf of 2	2.5'X2.3'	Sc	
2 nr 5427,line w 26,27			
2 nr 5427,line w 26,27			
pF,cL,R,gmbM,sp of 2	2.9'X1.6'	Sc	
F,*13p	1.7'X0.7'		
3 vf,line,2'-3'dist	1.1'X0.5'		
vF			
3 vf,n one brightest	0.8'X0.25'		
3 vf,nf *8.6			
B,pS,R,psbM,conn M101			
pB,pL,R,gpmbM	4.2'X3.3'	E4	
vF,*10,11 close F			
pB,pL,iR,gbM,conn M101			
F,pS,mE,com	1.1'X0.6'		
F,vS,R,r	47"	2c	17.3
F,S,R,*12,13p			
pF,S	1.6'X1.0'		
pB,S,R,gbM	2.2'X1.7'	E2	
	2.3'X1.2'	S(B)dm	
F,PS	1.2'X1.0'		
F,S,IE,pB* sp	1.1'X1.0'		
vF,vS,iR	1'X0.3'		
eF,eS			
pB,L,bM,P w M101	6.5'X5.3'	Sc	
pB,S,pmE,bM	2.1'X0.45'	Sa	
Cl,L,vRi,vmC,st 11...	11.0'	12	

Sheet1

vF,pL	20"			
eF,vS,R,bet 2*	1.9'X1.4'	Ir+		
eF,S,IE				
	1.2'X0.5'			
F,pS,vgbM,np of 2	1.7'X1.0'	sc		
eF,vS,sp 5468				
	28.0'	III 1 p	35	10.0
F,mE,vglbM	2.6'X0.4'			
eF,vS,sp 5468				
F,vS,smbM,stell,sf of 2	1.8'X1.3'	S0		
F,L,R,vgbM,*9 sf 4'	2.5'X2.5'	Sc		
vF,S,R,4'from 5485	0.22'X0.15'			
pF,vS,bet 2 vf *	1.4'X0.4'	Sb-		
pF,S,R,pslbM	1.0'X0.7'	Ir+		
cB,R,vgbM,f of 2	2.7'X2.0'	Sa		
F,pL	1.5'X0.9'	Sm IV		
Cl,vL,vIC,st8...	25.0'	II 3 m	40	08.0
F,R,*8s nr	3.4'X1.0'			
vF,vS	1.2'X1.1'			
F,pS,iR	1'X1'			
eF,S	1.2'X0.9'	E2		
eeF,vS,R,v diffic				
eeF,pS,R,v diffic				
eF				
eF,vS,E0	1.0'X0.4'			
cF,cS,R,sbMF**	2.3'X1.8'	E2		
	1.1'X0.8'	SBb+		
cF,cS,iR	1.0'X0.9'			
	3.0'X1.1'	SBdm		
eF,S,R,lbM	1.4'X0.9'			
pF,vL,R,vgbM	3.1'X2.8'	Sc		
pB,vS,E	1.8'X0.4'	Sbp		
pB,pS,R,gbM,r	1.6'X1.0'			
F,S,R,gbM	1.1'X0.8'			
F,S,R,lbM	1.0'X0.8'			
pB,vS,R,psmbM*,*18 invl	2.0'X1.4'	S0p		
pB,vL,E ns	4.5'X0.8'	S-		
vF,S,R,bM	1.5'X1.0'			
vF,vIE,vlbM	1.4'X1.1'			
vF,S,R,stellar nucl				
F,S,IE,stellar	1.8'X1.1'			
vF,S,rr	1.1'X0.8'			
eF,eS,R,lbM	2.1'X1.3'			

Sheet1

vF,S,R,bM,* sf	1.4'X1.1'			
pB,L,R,gbM,rr	2.2'X2.0'	Sb		
vF,pS,bet D*	1.0'X0.7'			
vF,S,vIE	1.5'X0.8'			
vF,vS,R,sbMN,r				
F,eS,R,bMN	1.1'X0.8'			
vF,S,*10p				
pB,pL,iR	1.9'X1.1'			
	3.2'X1.2'	Sb		
pB,L,E20,lbM	2.8'X0.9'	Sap		
cF,S,R,stellar	1.7'X0.9'	S(B)0		
F,pS,R,lbM,*16 nf	2.3'X1.0'			
vF,S,R,gbM	1.4'X1.1'			
F,vS,R,gbM				
vF,S,E,r	2.0'X0.2'			
vF,pL,*10p	2.1'X1.2'			
vF				
vF,vS,E	1.8'X0.35'			
F,pL,pmE90,*10 np	4.7'X1.4'	Sb		
eF,vS,R,stellar				
eeF				
F,S,R,bM	0.7'X0.6'			
	35"			
pF,pS,iR,bM	1.2'X0.7'			
cF,pL,vmE110,vgvmBM	6.2'X0.7'	Sc		
pF,S,R,psbM,S** nf	1.8'X1.2'			
eeF,pS,R,2 vf * nr				
pB,R,vsmB,2or3*inv	3.7'X2.0'	S		
cF,vS,R,sp of 2	1.0'X1.0'			
cF,S,R,gbM,nf of 2	0.9'X0.7'			
F,S,R,5532 f 10"	0.9'X0.9'			
vF,vS,R,gbM,r	1.6'X1.6'	S0		
F,pS,E80,Dneb w 5545	1.1'X1.0'	SBa		
E,lbM,Dneb w 5544	1.1'X0.35'	Sb+		
eF,pS,R,F* close p	0.35'X0.35'			
eeF,S,IE				
eF,S,E				
eF,S,iR				
F,pL,iF,gbM				
pF,st inv,*12 np	1.4'X0.8'	S		
vF,vS				
cF,pS,R,vsvmbM*	1.7'X1.5'	Sp		
eF,vS	0.55'X0.25'			
pB,cS,gbM	1.3'X1.1'			
	12"			
	14.0'	IV 2 p	40	11.0
cB,S,R,vsbM*	2.2'X2.0'	E1		

Sheet1

vF,cS,pmE	1.3'X0.9'		
vF,S,IE	1.3'X0.25'		
vF,vS,R	1.5'X0.7'		
vF,pmE,esvmBM*12	4.4'X2.2'	Sb+	
	11"		
3*in neby			
vF,S			
vF,S,iR,gbMN			
vF,S,vIE,bM	1.6'X0.45'		
eF,S			
pF,R			
pF,cS,iR,bM,er	0.9'X0.9'	P	
F,S,iR			
vF,S,vdif			
eF,vS,bM	1.2'X0.9'		
s Cl of * in neb			
eF,S,IE,np of 2			
	3.9'X0.8'	Ir+	
pF,L,iR,vgmbM,r	6.1'X4.0'	S	
eF,S,IE			
vF,S,vF*f	0.7'X0.7'		
pF,cL,E,gbM	4.0'X0.9'	SBbp	
eF,S,v diffic,(=5563?)			
eF,S,(=5563?)			
B,pL,R,psbM,r,*f1.5'	6.2'X2.3'	Sb+	
vF,cL,p of 2	1.9'X1.3'		
pB,S,f of 2			
eF,L,s* inv	3.1'X2.7'	SB IV	
eF,pL,R	2.0'X1.6'	S(B)c	
vF,S,IE			
pB,pS,R,bMFN,* sp	2.8'X1.7'		
eF,S,IE			
	9"X6"		
F,vS,or neb*	1.0'X1.0'		
pF,pS,IE,p of 2	1.1'X0.8'	SB0	
B,S,R,vsmbM,brightest of 3	3.0'X2.3'	E2	
vF*in vf,vS,R neby			
vF,vS,IE,mbMN			
pF,pL,vmE53	3.2'X0.9'	Sb+	
vF,R,gbM			
vF,S,R,np of 2	1.3'X1.3'		
vF,pS,R,pB* nr	0.8'X0.6'		
cF,S,R,bM*,sf of 2	1.8'X1.8'		
eF,vS,R			
F,cS,vIE,*8 sf	2.7'X0.8'	Sa	
pF,pS,IE,mbM	1.4'X0.7'		
eF,S,R,stellar	1.2'X0.9'	S0	
F,L,mE,dif,glbM	3.5'X2.8'	Sc	
E 80 deg	100"X37"	4(3)	14.7

Sheet1

F,vS,R,bM	1.5'X1.0'			
eF,vS				
eF,S,R,pB* nr sf	1.4'X0.8'			
vF,bet 5598 and 5603	0.9'X0.3'			
cF,pS,R,gbM	1.4'X1.4'			
eF,vS,stellar				
F,pL,IE,vglbM	3.0'X1.7'	Irp+		
F,S,IE	1.5'X0.6'			
pB,pS,gbM	1.4'X1.4'	Sc		
eeF				
F,S,E,gvlbM,r	1.7'X1.2'	Sb		
	12.0'	IV 2 p	30	7.7
F,S,R,bM	1.3'X0.6'			
pB,S,R,smbM	2.8'X2.2'	S		
close n of 5614,vf*?	0.20'X0.15'			
eF,pS,DIF,2'n of NGC 5614	1.0'X0.9'	S(B)0		
vF,S,cE,vgbM,er	2.4'X0.4'			
vF,S,pmE0,*9f	2.2'X0.7'			
F,pL,R,vgbM,p of 2	2.0'X1.2'	Sc		
vF,L,vIE,vglbM,f of 2	2.0'X1.8'	Sb		
	1.8'X1.7'	Ir+		
F,pS,R,vgbM*,r	1.8'X1.0'			
vF,pL,R,vgbM	1.8'X1.5'	Sc		
	5.0'X0.3'	Sc		
Cl,vIRi,vIC,st10	8'	III 1 p	15	7.8
vF,pS,vIE,vglbM	1.8'X1.0'			
eF,S,IE	1.1'X0.7'			
B,S,R,psbMN	2.0'X2.0'	Sa		
	2.3'X0.3'	Sd		
vF,S,R,gbM				
cF,S,R,vsmbM,r	1.6'X1.1'			
eF,S	1.8'X1.2'	SBC		
vF,S,R,vgbM	2.4'X1.1'	S(B)b		
cB,pS,R,pglbM	2.5'X1.1'	Sb		
F,S,E90,gbM	2.5'X0.7'	Sm		
vF,pL,R,bM	1.7'X1.2'			
eeF,L,resolvable				
Cl,S,pC,st L and S	3.0'	I 1 p	15	7.9
F,pL,R,gbM	2.8'X1.8'	S(B)dm		
pF,S,R,gbM	1.8'X1.8'			
neb *11f150"				
pF,S,R,gbMN=14m	1.1'X0.7'			
vF,vS,R,*9 sp	1.6'X0.9'			
F,S,E,sbM	2.4'X1.2'	Sp		
	2.8'X1.5'	Sc		
vF,R,*7p,*11s	1.4'X0.9'			

Sheet1

vF,S,R,vgbM	1.0'X0.5'			
cF,S,* inv,*12 nf	1.8'X1.3'			
pB,pS,IE,mbM,r?	2.6'X1.4'	S(B)b-		
eF,E sp nf	1.6'X0.45'			
vB,cL,R,gbM,rrr,st 19...,*8 sf	4.9'	4		
cB,pL,R,sf of 2	2.3'X2.1'	E1		
eF,cL,R,np of 2	1.5'X1.1'	SB0		
vF,S,R,S Cl p				
eF,S,R	1.1'X0.9'			
Cl,L,pRi,pCM,st8...	10.0'	I 3 m	80	8.8
F,S,E,** inv	1.6'X1.0'			
pB,L,iR,vgbM	3.2'X2.8'	Sc		
	2.3'X0.7'	SBdm		
pF,pS,R,bM	1.8'X1.5'	S		
pF,pL,R,mbM,r	1.8'X1.4'	Sb-		
pB,pS,R,gmbM	1.2'X1.2'			
pB,pS,E0	1.8'X0.9'	Sc		
cF,pL,iR,gbM	3.2'X1.7'	Sc		
F,S,R,vlbM	1.3'X0.25'			
vF,S,no nucl,5649 nr	1.0'X0.7'			
F,S,irR,sev vf * inv	1.9'X0.7'			
	2.2'	II 2 p	60	12.0
vF,pS,R				
eF,vS,np of 2	0.9'X0.8'			
pB,pL,vIE,bM	2.1'X1.5'			
eeF,sf of 2				
eF	1.7'X0.45'			
	7.0'	II 2 p	50	10.1
neb,R,nf				
F,S,cE,*15 np	2.6'X0.5'	SBc		
vF,vS,* in M,spiral or annular	1.5'X1.2'	Sb/Sc		
vF,pS,IE	1.6'X0.6'			
B,L,IE0,vgmbM	3.5'X1.7'	Scp		
neb,F,E,nf				
pB,pL,R,gbM,r	2.3'X1.4'	Sc		
F,pS,E,bM	2.6'X1.0'			
pB,L,R,vglbM,st inv	4.6'X4.1'	S(B)c		
F,L,R,lbM,r	4.5'X3.3'	Sc		
vF,vL,iR,lbM,**p	0.9'X0.6'	Sb		
B,L,E45,pgbM,r	4.0'X1.7'	Sc		
vF,vS,R,stellar	0.9'X0.7'			
	30"			
F,pS,vIE,*14 inv	3.5'X3.0'	Sc		
	7.0'	II 3 p	10	9.6
cF,pS,R,gbM	1.2'X1.1'			
pF,S,E,gbM				
eF,vS,R,glbM	1.4'X1.3'			
vF,E,gbM,r	2.0'X0.8'	S0		
vF,vS,R,r,3*9,10 np	1.0'X0.7'			

Sheet1

	1.9'X1.0'	Ir+		
F,pS,E	2.0'X0.4'	SBb		
F,vS,IE	0.45'X0.40'			
pF,S,iF,resolved,*10 f	2.3'X1.7'	Sa		
vF,S,R,*12 att	1.1'X0.6'			
	1.1'X0.7'			
Cl,L,pRi,IC,st9...	12.0'	II 3 m	70	07.0
cB,pL,E87,psmbM	4.0'X1.1'	SBa		
vF,S,cE,bet 2*	2.2'X1.0'			
F,S	0.9'X0.6'			
vF,vS	0.9'X0.9'			
F,cS,R,bM,p of 2	1.9'X1.6'			
vF,S,R,f of 2	0.45'X0.45'			
vF,vS,R,gbMN=15m	1.1'X1.0'			
F,pL,*13 att s	1.7'X1.7'	SBd		
	8.0'	III 1m:b		13.0
F,vS,R,bM,4B*p	1.1'X0.7'			
cF,cS,R,lbM,r	2.0'X1.5'			
eF,S,resolvable,* sp 4'	1.0'X0.4'			
cF,cS,IE,in tri of st	1.9'X1.0'			
pB,cS,R,bM,r	1.5'X1.1'			
B,pS,R	2.6'X0.4'	Sb-		
vF,mE138,F* att sf	3.6'X1.1'	Sb		
F,cS,IE0				
pB,pS,IE,gbM	1.9'X1.6'	S(B)ap		
vF,pS,E pf,D*n,1 of 6	3.0'X0.35'	Sc		
eF,vS				
F,pL,E0,gbM	1.7'X0.6'			
pB,vS,R,gbM	1.0'X0.6'	P		
eeF,pS,R,bet 2*	2.2'X1.5'			
vF,vS,iR				
vF,vS,R,vlbM	0.4'X0.3'			
vF,S,R,D* nr,2 of 6	0.9'X0.5'			
vF,vS	1.1'X0.8'			
vF,S,iF,E pf	1.6'X0.45'			
vF,S,R				
vF,S,R				
vF,S,R,psbM				
cB,pS,R,mbM,*11p15"	4.5'X4.5'	S(B)		
vF,S,R				
vF,S,vgbM,**f,p of 2	1.0'X0.9'			
eF,vS,** att,f of 2	1.1'X0.6'			
F,S,vgbM,am st	3.8'X2.5'			
cB,cS,R,psbM,r,* 9.5 sp	3.6'	7		
eF,L,IE,eF dif neb	2.9'X1.8'	SBd		
vF,eS,IE	1.7'X0.4'			
vF,cS,E90	1.9'X0.4'			
cB,pL,R,psmbM,r	3.3'X2.5'	Sc		

Sheet1

eF,pL,R,dif	2.3'X1.2' 8"	SBdm		
vF,S,R,lbM	1.5'X0.8'			
vF,S,R,vglbM,*8-9 nf	1.4'X1.1'			
pF,S,IE,bM	3.2'X1.2'	S(B)b-p		
vF,S,disc,*15s95"	1.1'X0.8'			
vF,pL,R	1.9'X1.5'	SBc		02.0
F,pL,E,r	2.3'X0.5'			
F,S,R,gbM,*10.5 np 3'	1.3'X1.0'	S0 pec		
vF,L,iR,lbM	2.8'X2.0'			
pF,pL,pmE45,mbM,*10s	2.8'X1.6'	S(B)b-		
pB,S,R,smbM,r,* nr	2.0'X2.0'	S		
vF,S,mE	1.1'X0.4'	Sb		
pB,pL,E pf,r	2.5'X0.8'	S		
vF,cS,R,vglbM	1.4'X0.9'			
Cl,L,pRi,CM,*11...13	6.0'	II 2 m	30	11.0
eeF,S,IE,v diffic				
F,S,vIE,tri2*10,11	1.5'X0.7'			
eF,vS,neb?				
F,S,bM	1.0'X0.3'			
eF,S				
pB,L,iR,gbM,r	3.2'X1.8'	Sb+		
B,L,vmE170,bM,BN	7.4'X1.1'	Sb		
eF,vS				
vF,S,E,pslbM	0.6'X0.4'			
vF,S,IE,glbM	1.5'X1.0'			
F,S,mE,smbMN	1.3'X0.5'			
F,1'p 5754	0.6'X0.25'			
F,bM,np 5754	0.5'X0.3'			
cF,cS,R,bM,2nd of 4	2.0'X1.8'			
F,2' nf 5754	1.7'X1.3'			
F,pS,pmE,gbMN	0.8'X0.3'			
vF,vS,R,sbMN	0.4'			
pF,pS,vIE,r	3.0'X1.7'	Sb+		
eF,pS,R,*9f 22"	1.0'X0.9'			
eF,S,R	1.5'X0.7'			
vF,vS,cE90,vglbM	1.6'X0.6'			
pB,pL,pmE,gpmbM	2'X1'	Scp		
vF,S,iR,lbM	2.1'X1.9'	SBb		
	12'X5'	5		
vF,S,R,p of 2	2.0'X1.5'			
Cl,pL,pRi,IC,*10..11	8.0'	IV 1 p	30	
eeF,pS,v diffic,f of 2	0.5'X0.5'			
vF,S,R,glbMN	1.3'X1.0'			
vF,pS,R	1.3'X1.1'	SB0		
	1'	R		
eF,pS,R,* nr	0.9'X0.6'			

Sheet1

	3.0'	I 3 p	15	8.8
Dneb,both eF	1.1'X0.9'			
	0.7'X0.6'			
	0.8'X0.3'	Pec		
	1.2'X1.1'	Pec		
vF,vS,IE	3.5'X0.4'	Sb		
pB,pL,IE,pslbM,*8 np	2.3'X1.4'	Sb		
F,R,bMFN,S*s	2.0'X1.7'	Ir IV		
vF,S,R,pgbM	0.8'X0.7'			
vF,pS,IE,lbM				
vF,S,R,pgbM	1.1'X1.1'			
vF				
vF,S,iR,bet 2 st				
eeF,S,R,v diffic,sf of 2				
eF,pS,R,gbM	1.0'X0.7'			
cF,S,vIE,bM,bi-N	1.4'X1.2'			
pB,pS,iR,F* inv	2.8'X1.6'	S(B)c		
Cl,vF,vS,vC	2.0'	II 2 p	12	
pF,pL,R,np of 2	3.4'X2.8'	S(B)d		
vF,pS,F* nr F,np of 2				
F,pS,vmE148,gvlbM	4.2'X0.9'	Sb		
F,pL,triangle w 2*	1.0'X1.0'			
pB,S,R,smbM,stellar	1.9'X1.8'			
vF,S,R,* nr sp	0.9'X0.4'			
eeF,pS,R,pB* nr f,diff	1.2'X0.9'			
vF,pL,vlbM,*8,9 sp				
eF,vS,E,* nr sf				
F,cS,R,pslbM	1.1'X1.0'			
vF,vS,vsmbM,*6 nr	1.3'X1.1'			
pF,S,vsbM*13,1st of 4	1.1'X1.1'			
vF,vS,resolvable				
S				
vF,pS,IE,pB* close p	1.6'X0.3'			
F,S,vsbM*13,2nd of 4	1.1'X0.6'			
eF,pS,iF	1.0'X0.9'			
F,S,R,bM,*16 sp	1.4'X0.8'			
eF,vS,iF,lbM	1.1'X0.8'			
F,S,R,vgbM,* nf	1.4'X0.9'			
pB,cL,iR,bp,r	3.7'X2.5'	SBb		
	8.0'	III 1r :b	14.0	
pB,pL,R,mbM,*8-9 np 1'	8.0'X2.0'	Sbp		
B,E90,sbM,B D*f8',brightest of 3	2.2'X2.0'	E5		
vF,pS,R,eF* inv,bet 2*	1.2'X0.9'			
pF,S,R,stellar	2.4'X1.4'	Sa		
vF,S	1.7'X0.9'			
F,mE,B* sf	2.3'X1.1'			
F,pS*in centre	1.9'X1.7'	E0		
eF,pS,E,bMN	1.8'X0.6'	Sb		

Sheet1

eF,vS,IE,2* inv	1.3'X1.2'			
vF,pS	0.2'X0.2'			
vF,pL,E				
cB,cL,E165,sbMN	3.0'X1.5'	Sb+		
Cl,vF,4' diam,3 F stars in neby?	7.6'	11		
vF,vS,sbM,1st of 3				
vF,S,iR	0.9'X0.8'	SBm		
vF,vS,sbM,3rd of 3				
vF,vS,sbM,2nd of 3				
eF,pS,E10,D* inv				
eF,pS,R,bet 2 dist*	0.60'X0.45'			
	2.0'X1.6'			
cB,S,R,svmbM	2.4'	E1		
vF,S,E,glbM	1.4'X0.7'			
		R		
B,pS,R,psmbM	3.4'X2.7'	E1		
vF,vS,R	0.9'X0.5'			
vF,S,R,B* nr f	1.1'X0.7'			
pB,pL,R,bM	1.2'X0.9'	Sb-p		
eeF,pS,IE,pB* close f				
Cl,pL,pRi,IC				
F,pS,gbMN,stellar				
vF,pS,R	1.3'X0.9'			
eF,vS,IE230,bet 2 vf *	1.2'X0.8'			
vF,vL,irrR,bM	2.0'X1.6'	Sc		
pB,S,Stell Nuc	6.2'	1		
	30"X24"			
pB,S,mbM	2.0'X1.8'	Ep		
eeF,pS,IE,v diffic				
vF,S,R,D* np	1.0'X0.6'			
eF,vS,R,lbM				
Cl,vL,Ri,IC,st9...12	40.0'	II 1 r	150	10.0
pF,pS	1.2'X1.2'	S0		
pB,pS	3.5'X1.5'	Sa		
eF,S,R,bM	1.3'X1.0'			
F,S,E				
Cl,cL,Ri,ICM,*13..14	10.0'	III 2 m	100	9.7
pF,pS,R,mbM,r?	1.5'X1.0'			
eF,pS,R,v diffic				
	<5"			
	45"			
vF,R	0.6'X0.35'	E3		
	<5"			
eF,S,iR				
eF,vS,stellar				
eeF,stellar				
	0.35'X0.35'	E2		
vB,pL,R,psbMN,F* inv S,n of 2	3.0'X3.0'	E0		

Sheet1

F,S,R,psbM	1.0'X1.0'	
vB,cL,pME146,gbM	6.5'X3.0'	E6p
eF,pS,IE,v diffic,*f	1.2'X0.9'	
eF,S,close D* sf 7'	1.0'X0.4'	
eF,vS,np of 2	1.1'X0.25'	
*13 inv F neb,3*p1"		
eF,vS,sf of 2	0.9'X0.7'	
cF,S,IE,psbM	5.0'X4.5'	SBb-
neb *6?		
cF,cS,E,p of Dneb	1.3'X0.6'	SBb
pF,pS,E,f of Dneb	2.9'X0.7'	SBb+
pB,S,vIE,lbM,am st	2.2'X0.6'	Sa
eF,S,R,2* nf		
vF,pL,R,in tri of 3B*	2.6'X1.7'	S(B)b+
vF,S,IE,vlbM,r	1.9'X1.1'	
13"-vF,L,E 1.5X1 at 60X; low surface brghtnss	27.3'X16.0'	dE6
F,S,stell Nuc,5861 sf	1.4'X0.6'	E6
pB,pL,IE	2.6'X1.3'	Sb
F,L,E,r	3'X1.8'	Scp
F,S,R,mbM	2.8'X1.3'	SBb-
pF,cS,ilE,gbM,*14f	2.4'X0.8'	E7p
cB,S,E,mbMRN,r	4.8'X1.7'	Sb
pB,S,IE	2.4'X1.7'	
pF,S,E,psbM	2.3'X1.7'	S0
eF,5869s3'	1.0'X0.8'	
eF,forms trapezium w 3 p		
pF,cS,R,vgbM		
pB,pL,R,vgvlbM		
*12in eF neb,S,R	1.4'X1.2'	
No description	0.4'X0.25'	
vF,vS	1.1'X0.6'	
vF,vS		
pF,pS,E0	3.3'X0.5'	SBm
F,cS,IE,glbM,am st	3.1'X2.3'	
	2.5'X0.2'	Sd
	30"	
	2.7'X1.9'	Sdm
F,vS,R,bM	0.9'X0.4'	
vF,S,*12 att n		
stellar=9.5mag	3"	2
cF,vS,R,bM,r	1.5'X0.9'	SBb+
only 2 F st		
eeF,glbM	1.4'X0.8'	SBb
		4
F,S,R,r,3* nr	1.4'X1.3'	SBb
eF,L,gbM	3.5'X2.8'	
vF,S,E ns,conn w 5896	0.8'X0.2'	
vF,vS,R,conn w 5895	0.20'X0.15'	

Sheet1

pB,pL,pmE0,psmbM	3.5'X1.7'	Sb	
vF,vS,stellar			
pF,pS,gbM	1.2'X1.0'		
eF,vS,R,bM,nr 5883			
cB,pL,pmE,smbMN	2.8'X1.2'	Sb+	
vF,S,vIE,gbM	1.5'X0.4'	Sb	
nr n of 5900,eF,S			
F,cL,R,vgbM	3'X3.2'	S-	
No description			
pF,pS,iR	4.7'X3.6'	S(B)b	
	4.5'	I 3 p	8.2
cB,vL,vmE155,vgBMN	12.8'X1.8'	Sb+	
ray,vmE,parallel to 5907			
13"-eF,pL,nBM at 100X; low surface brightness6.9'		12	
vF,pS,IE,gbM,*11f			
	2.1'X1.1'	E5	
	5.0'	III 1p :a	
pF,pS,R	3.0'X1.3'	Sb-	
vS,R,quite sharp	7"		12.0
	2.0'	I 3p :a	13.0
pF,L,viR,vgbM,rrr	12.6'	11	
vF,vS,E235	1.7'X1.1'		
F,S,R,gbM	1.7'	E1p	
!!,vB,L,eCM,eRi	17.4'	5	
cF,S,R,gpmbM	2.0'	E1	
F,vS,R,F st inv			
vF,S,er	0.9'X0.8'		
cF,L,pmE,glbM,**S	1.9'X0.8'		
vF,vS,2F* inv			
vF,pL,vIE,r	2.0'X0.8'		
eF,S			
vF,pL,vIE,vgbM	2.2'X2.2'	S(B)b+	
	1.3'X0.5'	SBcp	
eF,vS,psbM	1.0'X0.6'		
eeF,pS,IE,np of 2	3.3'X2.2'		
B,S,R,glbM,p of 2	1.6'X1.2'	Sb+	
F,S,IE,glbM,f of 2	2.9'X1.0'	SBap	
eeF,pS,IE,sf of 2	1.1'X0.9'	S0	
cB,cL,iR,vsbM*12,am *	5.3'X4.6'	S(B)b+	
neb *,vF,S,F* close S	0.8'X0.3'		
	30'		
	6"	2	16.7
13"-pB,vS,R,nBM at 220X	7"	2	15.4
	<25"		
F,vS,2st nr	0.9'X0.9'		
	<25"		
	<10"		
	2.0'X1.8'	S(B)c	

Sheet1

pB,pS,IE	0.9'X0.45'			
	<5"			
	<5"			
	<10"			
pB,cS,R,psbM,*7n	2.2'X1.6'			
vF,vS,sp of Dneb	1.0'X0.9'	Sb-p		
pF,pS,R,nf of Dneb	1.0'X0.8'	S(B)bp		
	4.4'X0.9'	S(B)b+		
vF,pS,R,np of 2				
eeF,vS,R,sf of 2				
Cl,vL,vRi,IC,*11..14	15.0'	III 1 m	120	
F,S,IE45,vglbM	2.3'X1.1'	Sc		
cB,L,R,vgbM,rrr,st 15	12.0'	8		
F,S,irR,IE ns,2* inv	0.7'X0.3'			
*13,14 seems sl neb				
eF,pL,R				
vF,pS,dif	1.1'X1.1'			
pF,pL,gmbM,S* att np	3.3'X2.5'			
F,pL,iR,vgbM,r	1.3'X1.2'	Sc		
vF,S,dif	1.3'X1.3'			
pB,pS,R,vgbM,3st f	1.9'X1.1'			
eF,pS,R,F*P,1st of 4	0.8'X0.8'			
eeF,S,R,2nd of 4				
vF,S,R,S* np	1.6'X0.8'			
eeF,S,R,3rd of 4				
eeF,S,R,4th of 4	0.7'X0.2'			
F*in vf neby,vf * close				
	1.1'X0.4'	Pec		
	3.0'	IV 2 p	30	12.5
pF,pS,iF	4'X3'	Sp		
F,pS,E150	3.5'X0.7'	SBc		
cF,cL,IE	6.0'X0.9'	Sb		
	3.0'	IV 2p :a		
	50"	4(6)		
pB,cS,p of Dneb	1.7'X1.3'	Sap		
pB,cS,f of Dneb	1.1'X0.5'	S(B)cp		
pF,pL,iR,bM,r	1.1'X1.0'			
eF,vS,alm stell				
eS,R,stellar				
F,S,R,*16 close f	1.7'X1.7'			
F,S,R,gbM	2.0'X1.8'	Pec		
vF,vS,N,stell	2.0'X1.8'	Pec		
eF,vS,stellar				
	1.7'X1.6'	SBdm		
pF,S,E pf	0.9'X0.35'	P		
pB,pL,com,lbM	2.8'X2.8'	S(B)b		
cB,pL,R,vglbM,rrr,st 16	7.1'	9		
eeF,vS,R,lbM	1.7'X0.6'			
vF,S,R,gbM,2st 8'f	1.8'X1.1'			

Sheet1

pB,S,R,mbM	1.5'		
vF,S,neb *			
pF,pL,iIE,gbM	2.8'X2.0'	Sc	
F,S,am st			
eeF,S,R	0.7'X0.25'		
	4.9"		10.5
vF,pS,vIE,bMN	0.5'X0.5'		
eF,vL,R,vgbM,r	4.4'X3.4'	SBd	
F,mE	2.8'X0.35'	Sc	
	<25"		
	1.3'X1.2'	lr+	
pF,pL,R,rr	2.9'X2.0'	Sc	
cB,S,R,psbM,r	3.9'X2.1'	E3p	
F,pS,irrR	1.1'X0.7'		
vF,vS,R,bM	0.65'X0.35'	P	
pB,cL,IE,r	5.8'X3.1'	Sb	
pF,cS	5.1'X1.8'	Sb	
vF,L,R,gbM,r	2.2'	S(B)b-	
	3.0'		
vF,vS,irrR,sev vf * inv	1.0'X0.25'		
F,S,iR			
eF,S,R,lbM	1.1'X0.9'		
F,pS,E0	1.9'X0.6'	S	
vF,vS	1.0'X0.9'		
	4"		
	3.9'X0.5'	Sc	
eF,vS,sbMN,am st	0.7'X0.6'		
	5.0'	III 1p :b	
eF,eS,R,vlbM	1.0'X1.0'		
pB,S,E135,bM	2.9'X0.6'	Sb	
	3.3'X1.4'	SB+	
vF,vS,R,bM,sp of 2	1.0'X0.8'	S	
cF,vS,R,bM,nf of 2	1.2'X0.9'		
eeF,pS,R,F* nr Nuc	1.3'X1.0'		
pF,S,R,mbM			
	240'	6 lr	
	2.3'X2.2'	Sd	
!,vB,L,R,vgbM,st 13...15	9.8'	7	
vF,vS,R,gbM	1.5'X0.9'		
vF,S,E90,vS*f	1.9'X0.7'		
pF,vS,R,am 150st	8"		13.0
	2.0'X1.3'		
S,sp 5996	3.8'X2.8'		
pF,cS,R,r,bet 2D*	3.8'X2.8'		
eF,eeS,stell			
vF,S,R	1.1'		
neb			
F,pL,R,vgbM	2.9'X1.8'	S(B)c	

Sheet1

eF,S,R,vS*p	0.7'			
	3.0'X1.8'	S(B)dm		
F,vS,S* inv	1.1'			
Cl,pL,pRi,st vS				
vF,S,R,sbM	1.9'			
vF,pL,IE,lbM	1.8'X1.6'			
	16.0'	III 2 m	50	
		1		
B,mE	7'X2.4'	Sc		
	76.0"	4		13.9
Cl,L,pRi,st12...14	5.0'	I 3 m	40	12.0
eeF,S,R,v diffic				
	<10"			
vF,R,pL,bM	1.5'X1.5'			
vF,R,pL,bM	1.5'			
eF,vS,iR,lbM	1.5'X0.8'			
vF,S	0.7'X0.4'			
pF,pS,R,bM,* close				
F,pL	1.7'X1.2'	S(B)b		
F,vS,stell				
	22'X12'	5 E G		
F,bet 2B st	2.1'X1.6'	SBb-		
pF,S,E90,gbM,r	2.1'X0.5'			
	0.7'X0.2'	Pec		
	0.9'X0.2'	SO		
vF,vS,IE0,r	1.2'X0.8'	SBb		
pB,pL,E	2'X1.6'			
Cl,pS,pRi,mC,st16	3.0'	I 2 p	35	11.8
vF,S,E	1.1'X0.45'			
	9"			
	40'X5'	6 lr		
vF,vS,R,disc g,smbM	0.8'X0.7'			
eF,eS,iR,lbM	1.4'X1.0'	E3		
	45.0'	III 1 m	20	09.0
eF,vS,IE,f of 2	1.6'X0.8'	E5		
vF,S,IE,p of 2	1.4'X0.7'	SO		
F,R,bM	2.5'X1.7'	E2		
eF,eS	0.8'	SBb		
F,S,R,bM	1.1'X0.8'	E3		
	<5"			
	90'X10'	E+R		
	16"X12"			13.6
eF,vF * inv,2 vf st nr	0.7'X0.5'			
dif,bM	0.9'X0.2'			
eF,vF*inv,2vF st nr	1.9'X1.0'	Sp		
sE,bM	0.4'X0.3'			
Stellar	0.2'X0.2'			
v dif,lbM	0.8'X0.4'			

Sheet1

	<5"			
	5.0'	II 2 p	40	
eF,vS	1'			
	7"X4"			
vF,pS,no Nucl	1.7'X1.1'	SBO		
F,S,R,gpmbM,tri* np	54"X36"	4		
eeF,pL,iR	2.9'X1.8'	S(B)c		
pF,vS,R,bM	1.1'X0.7'			
	160'	6 lr		
vF,vS				
	4.11	1		
		IV 2p :b		
vF,S,R,*10 sf	1'X1'			
vF,pL,IE,vlbM,np of 2	1.8'X0.8'	SBb		
eeF,vS,R,v diffic	1.1'X0.8'			
vF,pL,IE,sf of 2	1.2'X0.9'	SBc		
	67"X50"		19.0	
Cl,B,vL,pRi,IC,*7...	12.0'	II 2 p	60	7.3
eeF,vS,R,sp of 3 in line				
vF,eS,F* close	1.6'	Sap		
vF,S	0.7'			
vF,vS,R,stell	1.1'X0.4'			
pF,vS,R,stellar	25"X20"	3(2)	13.8	
vF neb *	1'			
F,S	1.2'X1.1'	SBO		
vF,vS	0.9'X0.7'			
vF,vS	1.4'X1'			
	5.0'		10.7	
eeF,pS,IE,(4th of 10)				
eF,pL,partly verified				
F,S,R,gbMN,*10 sf	1.9'X1.6'	E4		
eeF,vS,R,vF * close p	0.5'			
13"-5 gals eF,S; 4 are R; 1 is sE at 165X	40'	2		
eF,R,pS,F* close n	1.3'	EO		
eeF,vS,R,v diffic	1.3'X0.22'			
F,pL,iR,(=6064)	1'X0.55'	Sc		
	4.11	1		
eeF,S,R,v diffic	1.0'	SBc		
eeF,pS,IE,F* sp	0.7'X0.4'			
eeF,S,R,v diffic				
eeF,v diffic	0.9'X0.5'	SBa		
eeF,pS,R,v diffic	1.0'X0.5'	SBO		
eeF,eS,R	0.6'X0.5'			
*7 in photosphere				
	0.7'X0.5'	Pec		
eF,E,sbM	2.2'X1.1'	SBb		
eeF,S,R,4B*s	1.4'	SO		
eF,R,vlbM,r	1.1'X0.9'			
vF,vS,IE	1.8'X1.4'			

Sheet1

	8.0'	IV 1m:b	12.0
vF,vS,pB* sf			
vF,S,R			
F,pL,R,vlbM	1.9'X0.9'		
eeF,vS,R,sp of 2			
Cl,S,mC,st11...14	2.0'	I 2 p	20 10.9
eeF,vS,R,2 pB* nr,nf of 2			
vF* in vf,vS,R neb			
vF,vS,R,*N			
	<25"		
	60'X12'	6 lr	
	71"		
F,L,pmE,vgbM,r	3.9'X2'	Sc	
vF,S,resolvable	1.2'X0.6'		
vF,vS,IE			
vF,vS,IE			
	24"X20"		
	2.2'	II 2p :a	
	2.1'		
vF,S,E	1.2'X0.4'		
F,sbM	1.4'X1.1'		
eF,pS,R,line w/2*	1.8'X1.6'		
eF,vS,R,bM			
F,vS,R,* or st inv;rr?			
vF,S,R	2.8'		
vL,eF,E,Irr,Nu-2 Scorpii inv	170'X45'	R	
eF,vS,R,bM			
S,F,Stellar	12.5"X10"	2(2)	11.2
F,vS,stellar N	1.6'X1.2'		
F,vS,stellar N	2.0'X1.5'	E2	
	4.5	0	
vF,stellar N	1.4'X1.2'		
vF,S,R,bM			
	5.0'	III 1p :a	13.0
pB,pS,R,mbM,w *12.5 20 nf(nebs ?)	1.1'X1.0'		
vF,S,R,bM	1.7'X0.5'		
pF,R,vgvlbM,r	50"X30"	3a	17.5
Cl,vB,vL,vRi,IC,*10...	13.0'	I 2 r	100 8.3
eF,vS,diffic			
	2.5"X2.3"	2	
	4.0'	I 2p :a	13.0
eeF,pS,R,v diffic	1.0'X0.5'		
	25'X5'	6 lr	
	<5"		
neb *13mag			
	5.3'X0.8'	Sc	

Sheet1

	2.0'X1.9'	Sm		
	25"X21"	4(3)		
vF,vS,R,bM	0.9'X0.5'			
	15'	3 lr		
	13"X10"			
vF,pS,IE,D* nr *				
eF,vS,R,*8f41s,np of 2	1.6'X0.9'			
eF,vS,R,sf of 2	1.3'X1.3'			
vF,S,R	1.5'X0.9'			
eF,S,E,lbM				
vF,S,R,vglbM	0.8'X0.4'			
	<5"			
vF,S,iR	0.9'X0.7'			
eeF,vS,eeF* close p	1.6'X0.9'			
F,S,R,gvlbM	0.5'			
vB,L,vmbM,rrr,st 14...	8.9'	2		
	5'X3'	E		
F,vS	1.5'X1.1'			
pF,vS,E,* nr	0.8'X0.2'			
	35"X16"	6	14.1	
	14"X12"			
eF,vS,R,lbM	0.7'X0.5'			
F,S,R,gbM	1.3'			
eF,vS,R,gbM				
	12'X8'	E		
vF,vS,R,bM	0.5'X0.5'			
eF,S,R,glbM	0.8'X0.5'			
	20.0'	ll 2 p		
F,pL,IE,vgbM,r	2.5'X1.3'	Sb		
vF,vS,R,gbM	1'X0.6'			
pF,pS,IE				
Cl,B,L,IC,st7...10	12.0'	l 2 p	40	7.9
vF,vS,mE,2st nr				
vF,S,R				
pF,vS,R	1.4'			
vF,S,R	1.3'X1.3'			
pF,pS,R,bM				
annular	16"X13"			
pF,pL,R,B* nr P	1.1'			
vF,eS,R	0.7'			
vF,vS,R,D* nf	0.5'X0.4'	P		
	1.0'	lll 2m :a		
	30.0'	ll 2 p	30	
2 st 8 in eL,dif neb,IE np sf	20'X10'	R		
eeF,S,cE,v diffic				
vF,R,no N				
	5.0'	lll 1m:a		

Sheet1

eeF,S,R,v diffic				
cF,pL,iR	35'X20'	E		
	8'X5.8'	SBcp		
	5"		14.7	
	60'X50'	E+R		
F,vS,R,bMSN	0.9'			
eF,vS,R,lbM				
pB,iR,vgvlbM	1'	SBb		
vF,cL,cE45,r	5'X2'	Sb		
vF,pL,iR,diffic				
	200'	6 E		
	<5"			
F,S,iR,bM	1.9'X1.2'	SBa		
	154"X94"	4(2)	20.0	
eF,S,bM	1.9'X0.5'			
	<5"			
Cl,8 or 10 B* in line,rrr	26.3'	9		
	5.0'	II 2 p	09.0	
eF,vS,vlbM	1.6'X0.5'			
	14"X11"	2		
	1.7'	III 1p :a	12.0	
	1.0'	III 2m :a	15.0	
	20'X20'	E		
	16"X8"			
Cl,eL,eRi				
	3.4'	I 2 p	10.9	
	<25"			
vF,vS,R,bM				
eF,one of 3				
F,R,bM	0.9'X0.4'			
vF,pS,no nucl				
cF,vS,R,bM	1.3'X1.0'			
vF,S,R,lbM,er	2.1'X2.0'	SBa		
Rho Ophiuchi in eL,vF,Irr neby	60'X25'	R		
eF,vL,dif,st inv	20'X10'	R		
Cl,B,L,pRi,ICM,*9..11	29.0'	II 3 m	100 8.7	
eeF,pS,R,v diffic				
vF,vS,R	E			
pF,L,iR,vgbM,*14	10.7'	10		
	500'	III 3 p		
F,pS,iF,gbM	1.4'X0.9'			
		III 2pn:b		
eeF,vS,R,v diffic				
vF,S,w st				
Cl,cL,mC,gbM,rrr	9.3'	11		
vF,pS,R,pB* nr s	1.1'X0.8'			

Sheet1

vF,S,iR,lbM	27.0'	III 1 p		
	1'			
	174"	2c		15.8
eF,eS,v diffic				
cF,pL,R,gbM,r	1.8'	E2		
	60'	1		
B,pL,R,psbM,rr	5.5'	2		
Cl,cL,pRi,ICM,st13..	7.0'	II 3 m		9.3
F,S,iF				
	<5"			
vF,S,lbM	0.8'X0.3'			
F,S,lbM	1'X0.8'			
	8.0'	II 1 p		10.9
vF,S,lbM	0.8'X0.4'			
	40'	2		
pF,S,vIE,vgmbM	2.2'X1.7'	E2p		
	85'X80'	R		
	4.0'	IV 2p :a		
vF,vS,iR	1.9'X0.6'			
	22"X18"			
cF,vS,R,bM	1.9'X1.4'	E3		
vF				
vF,vS,R	1.2'			
	16"			
	54"X45"			
* 7 in eF,vL neb	30'X30'	R		
eF,vS,R,mbM				
	<5"			
vF,pL,IE,rr,* nr	1.7'X1.1'			
vF,S,bMN,4' nf 6177				
eeF,mE,F*at p end	1.4'X0.3'			
eF,vS,R,vlbM				
Planetary,stellar	25"	4		16.1
vF,vS,lbM				
vF,pS,IE	1.8'X0.8'			
vF,pS,R,F* nr	1.4'			
pF,pL,E,2*p				
vF,eS,R,bM	1.0'X1.0'	E		
pB,pL,vIE,pgmbM	2.5'X1'	Sc		
vF,vS,f of 2	0.8'X0.5'			
L,vRi,vmC,R,rrr	10.0'	10		
B,cL,IE,sIBM	3.6'X3.6'	Sc		
cF,S,bM,p of 2	1.8'X1.5'			
Cl,L,IC,st L	30.0'	II 2 m	70	11.0

Sheet1

F,S,R,gbM,*11 np	1.2'X0.8'			
eF,D*F nr	370"	3b		6.8
F,cS,IE,vglbM,D*p	370"	3b		6.8
	<10"			
Cl,Mu Normae inv	7.0'		40	
	<25"			
eF,vS,E	1.7'X1.7'	SBa		
Cl,L,IC,iF	8.0'	II 3 m		7.4
pF,pL,vIE,gbM	1.6'X1.4'			
	6.0'	III 2 p		11.1
	<5"			
vF,vS,R,2*F	1'X0.7'			
Cl,B,S,st pL	4.0'	I 3 p	12	8.4
	3.4'	II 3p :a		12.0
eeF,pS,*F				
13"-pF,L; 19* at 100X; no neby seen	24.0'	III 1 p n	15	
vF,vS,sbM*12				
vF,S,R,gbM,bet 2*	1.6'X1.1'	Sb		
vF,vS, stellar	2.0'X1.2'	S(B)Op		
eF,E,stellar				
	50'X40'	6 lr		
	600'	6 lr		
	<5"			
	1.3'X0.6'	Ring		
vF,vS*9 nr				
	4.0'	III 2p :b		
eF				
eF,vS,R	1'			
	11"X4"			
pF,eS,R,stell,3 vf * nr	0.7'			
eF,vS				
Cl,pL,pRi,iR,st11..14	8.0'	I 2 p	60	11.0
eF,vS				
Cl,vL,IRi,IC,F neb inv	15.0'	II 3 p n		5.7
vF,pS,R,sp of 2	1.7'X1.2'	P		
eF,vS,R,nf of 2	0.7'X0.35'			
vF,eS,R,gbM	1.7'X0.5'			
!!eB,vRi,vgeCM,*11...	16.6'	5		
F,vL,vIE,B* inv	20'X12'	E+R		
	<10"			
	8.0'	IV 1m:b		13.0
pB,pL,E45,vgmbM	3.3'X1.2'	Sc		
F,S,R,mbM	3.5'X2.5'	P		
eF	0.5'X0.5'			
pF,pL,IE	1.8'			
F,S,tri w 2*12..14	0.8'X0.4'			
	5.2"X4.2"	1		14.6

Sheet1

Cl,in Milky Way	55'X20'	5 lr		
vB,vS,R,disc	12.0'	III 2 m	40	9.2
F,pL	20"X13"	2(3b)		12.5
	3.0'X1.8'	S(B)c		
	<5"			
	5'	5 lr		
	4.0'	III 1p :a		
vF,pL,R	17.0'	IV 2 p	5	
F,S	17.0'	IV 2p :b		
eF,S,E				
	4.0'			
Cl,pRi,eICM,st11..12	5.0'	I 2 p	45	9.8
	5.0'	III 2m :b		
eeF,pL,R,v diffic	3.2'X1.2'	SBc		
	7'X3'	6 E		
	1.5'		8	7.3
vB,L,R,disc,r	4.5'	4		
eeF,pS,iR,3F*s	1.7'X0.8'			
eeF,eS,eF* nr,v diffic	0.5'			
vB,vL,iR,gmbM	14.5'	9		
	3.0'	IV 2p :b		
	150'	6 lr		
vF,S	1.1'X0.5'			
	3.5'			
vF,vS,r,bet 2*,nf of 2	1.6'X0.35'			
eeF,vS,IE,pB* nRN,n-2	1.1'X1.1'			
F,pS,iF	1.1'X0.3'			
eF,vS,IE,Fst inv,s-2	1.1'X0.8'			
	34"	2b		19.2
	<5"			
	2.0'	IV 1p :b		
Cl,pS,pRi,pC,*12..15	4.0'	II 2 p	40	12.0
Cl,L,Ri,ICM,st9...12	16.0'	II 1 m	60	10.0
	2.2'X2.0'	Sb		
	7.0'	III 1m:b		
pF,S,R,gbM	1.4'X1.0'			
vF,E,bi-N,np sf	2.5'X1.1'	Sb		
eF,pS				
eF,S,R	2.5'	SBb		
eeF,pS,R,v diffic	1'			
	3.5'	II 2p :b		
Cl,vL,vRi,lBM,*12..13				

Sheet1

pF,R,vglbM,*4p79s Cl,eL,eRi,in Milky Way eF,pS,R,sev * nr sf F,S,R eF,vS,R,B*&D*p vF,vS,iF,dif	2' 0.9'X0.7' 1.3'X0.5' 1.5'X0.5'	Sc		
pB,cL,R,glbM,rr vF,pL,IE,dif pB,cL,iR,rrr,*14..16	3.2'X2.3' 15'X7' 2.2'X0.9' 5.0' 18"X14"	SBc 5 lr lrp 10 2		
eeF,pS,R,v diffic Cl,B,cL,pRi,st10..13	 15.0'	 1 l 3 p n		4.7
eF,cL,E90 vF,pL,vglbM eeF,S,IE,v diffic	<10" 3.5'X1.4' 2.0'X1.6' 2.0'	SBc	15	11.2
Cl,B,L,Ri,st8...11 vF,(vsD*),F D* nf	105.0' 9.0'	l 2 m l 3 m		14.0 7.3
eF,eS,iF vF,vS,R F,eL,E pf,dif vvL,B,E,lr B,vL,R,gvmBM,rrr	3.0' 1.4'X0.5' 1.0' 4.0' 90'X60' 60.0' 15.1' 12'	 E IV 2 p n 7 6 lr G		
eF,vS eF,vS eF,vS,R,sp of 2 Cl,pRi,vIC,iF,st L&S eF,pL,mE,nf of 2 F,S,R Cl,L,IRi,IC,*8...12 vF,pL,R,lbM eeF,S,R,v diffic,np of 2 eF,pS,R eF,S,R vF,R vF vF,pS,IE,coarse D* np Cl,S,triangular,st13 eF,vS	 0.8'X0.5' 5.8"X4.8" 1'X0.7' 6.0' 2'X1.6' 8.0' 1.4'X1.1' 0.9' 1.5'X1.3' 1.0'X0.7' 1.1'X1.0' 5.0'	 2 ll 1 p IV 3 p SOp Sbp l 3 m		30 9.8 60 7.6 30 13.0

Sheet1

vF,cS,iR				
vF,vL,iR,vgbM	3"			14.5
	4.2'			
eF				
	1.5'			
Cl,B,vL,vRi,st11...	10.0'	III 2 m	120	11.6
eF				
vF,S,R				
vF,stellar	2.1'X1.2'			
eeF,eS,R	0.5'			
eF,pS,R,* close F	1.2'X1'			
	40'X15'	5 lr		
	<5"	1		
vB,L,gmbM,rrr	14.1'	4		
	<10"			
eS,B	20"X10"	2a(3)		17.0
	<10"			
pB,S,IE				
	5.1"	2		
Cl,B,pL,cRi,,st10...	6.0'	II 2 p		
vB,L,R,vCM,rrr	13.5'	8		
eF,E,v diffic,F st nr	1.8'X0.8'			
	15'	6 lr		
eF,S,mE,F* nr				
vF,eS,R,bet 2*,f of 2				
	4.0'			
eF,S				
pB,pS,R,bet 2*,p of 2	0.7'			
	<10"	1		
	6'	R		
	<10"	1		
B,L,R,CM,st16...	5.6'	9		
	5.6"	2		12.9
Cl,L,pRi,IC,st9...11	8.0'	II 2 p n		7.9
vF,vS,R				
eF,pL,mE,nr bet 2*	1.3'X0.8'			
cB,L,R,gpmCM,rrr	5.1'	7		
	8.1"X7.6"	2		
vS,F,nearly stellar	21"X17"	3		12.3
vF,S,E,S*s	1'X0.5'			
	15.0'	II 2 p	15	
	4.6"X3.8"	2		
	3.0'	IV 2p :b		
	39"X15"	?(6)		
	30'X10'	4 lr		

Sheet1

	8"X6"		14.8
	25"X15"	4	
	14"X10"	4	
	30'X10'	5 lr	
vF,vS,IE	1'X0.3'	SBcp	
vF,vS,IE,*13 nr N	1.4'X1'	SBap	
F,pL,IE	1.9'X0.4'	SB	
	3.1'X0.9'	S(B)dm	
	5'	6 E G	
F,stellar	2.5'X1.6'		
pB	1.0'X0.7'	S(B)b	
eeF,S,R,F* nr,sp of 2			
vF,vS,R,lbM,nf of 2	0.4'		
	20'X30'	5 lr	
vB,L,R,psbM,st16	7.9'	4	
F,S,vgbM			
eeF,vS,IE,bet 2F*	1.1'X0.5'		
cF,pL,R,vgmbM	3'X3'	Sap	
	8.5"	2	
	20.0'	III 1 p	6
pB,vS,R	1.1'		
	<10"		
eF,irrR,dif,vS* inv			
	15'	6 lr	
	30'X20'	3	
stellar	15"	4	13.6
vF,S,R,sbM	1.3'X1.0'	S(B)c	
	50'X10'	5 lr	
	12'	E	
F,vS,R,bM	1.8'X0.8'	Sa	
	4.7"X3.7"	2	
eF,S	1.0'X0.9'	SBc	
eF,*13p0.5s	1.3'X0.9'		
			16.7
eF,vS,diffic	1.1'X0.35'		
pB,E pf	2'X1'	6	
	15"		12.0
eF,vS,diffic	0.2'		
B,S,bet 2*v nr	20"X10"	3b(6)	14.0
	5"X3"	2	
vF,vS,R,bM	1.1'		
eF,iR,pS,vlbM	1.1'		
B,cL,R,lbM,rrr	6.8'	6	
vF,oval,IBM	1.3'X0.8'		
	10'X4'	6 lr	
	20'X5'	5 lr	
eeF,S,R,3rd of 3			
eeF,vS,R,2nd of 3			

Sheet1

F,S,R,vglbM	1.5'X1.0'			
eF,S,R	1.7'X0.5'			
	100'	3 lr G		
	25'X15'	6 lr		
	4.0'	I 2m :b		
vF,vS,R,bM	1.1'			
	5.0'	III 1m:b		
cB,pS,R,gvmBM	4.9'	3		
	16'X4'	E		
F,vL,vIE,am st,2* inv	5.4'X3.5'	SBb		
vF,L,iR,sp of 2	3.3'X1.8'	SO		
vB,vL,eCM,st 12...	11.2'	4		
F,S,R,*12 nf,nr				
13"-L,very dark,triang,only 3* invl at 100X	20'	6 Co		
vF,S,IE,nf of 2				
			35	08.0
Cl,pL,Ri,R,gbM,*12..	4.0'	III 2 p		12.0
pB,S,R,bMN=*12	1'			
pF,L,R,rr	4.3'	4		
vF,vS,R,glbM				
eF,vS,iR,lbM	0.8'			
Cl,vL,pRi,IC	10.0'	I 2 p	30	7.5
vF,pS,mE,near bet 2*	2.3'X0.7'	Sb		
	10.0'	IV 2pn:b		
	100'	E		
pF,pS,gbM	1'			
	2.5'X1.0'	SBdm		
	12'	R		
eF,S,R,D* nr np	1'			
	2.5'	II 1p :b		
vF,eS,R,lbM,p of 2				
vF,vS,fainter than p				
B,L,R,eCM,rrr	9.3'	8		
	11"X10"	2a		
	40"X26"			
eF,iR,dif	1.2'X0.6'			
13"-vF,L,pmE at 60X	33.5'X18.9'	dE3		
dif neb in patches				
	11"	1		
cF,vL,ICF,vglBf,*8inv	20.0'			
	60'X10'	5 lr		
	5.0'	III 3pn:b		
pB,vS,R	15"X10"	3b		13.5
	300'	6 lr		

Sheet1

	<25"			
pB,pS,3s* inv,*10 nf 1'	3.0'	4		
cB,pS,IE,eR	16"X11"	3(2)		
	4.4"	2		
	<10"			
13"-L,Dark, horn-shaped, 4* invol at 100X	30'	4 lr		
	10'X7'	5		
ring neb,eF,S,am st	38"X28"	4		14.8
	<10"			
	16'	6 lr G		
	4'	6 K G		
vF,S,R,gbM	1.1'			
eeF,pL,iR,eF st inv	1.3'			
	4'	6 lr		
vF,vS,R,B* nr N	1.4'			
	3"	2		20.0
S,F	9.0'	ll 3 p	50	10.0
13"-pL,pDark,thin winding Dneb at 100X	30'	6 S G		
	4'	4 C?		
vB,cL,vgvmbM,rrr	7.2'	2		
vF,vS,vIE,glbM	2.4'X1.4'			
	<5"	1		
cF,L,R,gbM,rrr	5.0'			
eeF,pL,v diffic	1.6'X1'			
pF,vS,R,bM*13	1.5'X1.2'			
	7"X6"	2		18.0
eF,S				
F,L,E,vglbM,D* inv	50'X40'	E		
Cl,pC	12.0'	ll 3 m	80	8.9
	4.3"	2		21.0
	5.6"X5.4"	2		
	5.0'	ll 1m:b		
vF*in vf,vS,R neb	15'X10'	5 lr		
	110'	5 lr		
	4.0'	IV 2 p n	15	10.4
eeF,eS,R,v diffic	1'X0.6'			
eF,eS,R,lbM				
neby in patches,Milky Way				
pF,L	2.0'			12.0
	18"X16"	3		18.0
	4.3"	2		
	14.0'	IV 2 p	6	

Sheet1

	30'	5 lr		
	<5"	1		
	8.7"X5.4"	2		
vF,pL,IE,D*n	2.4'X0.7'	dE3		
	7.8"X3.6"	2		
vS,F,vC	1.0'			
F,S,E	4'X1'	Scp		
vF,S,R,np of 2	0.7'X0.35'			
vF,pL,E	1.4'X1'	Sb		
vF,pS,iF,sf of 2	1.8'X1.2'	Sbp		
	1.5'	9		
F,L,vlbM	8.3'	11		
pF,pS,R				
	1.5'	I 2p :b		
	<10"			
eF,S,R,B*s	1.4'			
	100'	3 lr		
	6.9"X6.5"	2		
	3.6"X3.5'	SBC		
	2.0'	III 1p :b	12.0	
eF,S,R				
eeF,mE,v diffic	1.7'X0.3'			
13"-pB,L,nC,sRi at 100X; 32*	7.0'	III 2 p	40	
	13"X11"	4		
	6.2"X4.5"	2		
	3.5"X3.0"	2		
	6.6"	2		21.0
vF,pS,R,bet 2*				
eF,vS,R,nearly bet 2*				
	16"X7"	3(2)		15.9
	<10"	1		
	40'	E		
		IV 2pn:b		
F,vS,R	1.6'			
Annular,pB,S,R	30"X29"	4(2)		16.0
		1		21.0
	<5"	1		
cL,R,vgbM,rr	2.3'	Sc		
	<5"	1		
	<25"	1		
				9.7
	14.0'	II 3 p	30	11.0
	<25"	1		
eF,pS,R,n of 2				
eF,pS,R,s of 2	1.5'X0.4'			
v difficult	1.4'X1.1'			
vF,pL	1.2'X1.1'			

Sheet1

eeF,pS,R,v diffic	1.2'X0.7'			
	5.4"	3		
	4.5"X3.6"	2		
	<10"			
	10.0'	IV 1 p	12	
	2.9'			
		1		
	<25"			
	5.0'	III 2 p	30	
13"-pB,pL,E; lots of F* at 165X	15.0'	IV 2 p	70	
	60"X57"	2b		19.8
eF,vS,R	1.2'X0.6'			
B,L,vgmbM,rrr	10.7'	10		
	120'	5 lr		
	4.0'	III 1pn:b		
Cl,S,P,B* inv	2.5'	IV 1 p		10.2
	<25"			
pB,S,vIE	7'X4.6'	Sb		
F,S,iF,eR	3.2'X2'	Sb		
	2.8"	2		
	200'	6 lr		
	8.5"	2		
	10'X5'	5 E		
	5"X4"	2		
Cl,st13,*6,7 in mag	5.0'	IV 3 p n	40	5.6
	5.8"	2		
eeF,S,R,nr bet 2*,sp of 2	9.3"X8.7"	4		21.0
		1		21.0
	30'X15'	5 IR		
	12"	2		
eF,pS,IE,*9 att	3.9'			
vS,gbM	2.3'X1.8'			
	6.0'	IV 2p :b		13.0
	83"			16.0
	2.8'			
	6"			
eeF,eS,R,v diffic	1'X0.3'			
eeF,eS,R,v diffic				

Sheet1

vF,pS,R	0.8'			
	7.0'	I 2 p	35	8.4
	<5"			
eF,pS,R,nr bet 2st	8.7'	3		
vB,L,R,pg,psvmbM	6.7"X5.4"	2		
	23"X14"	4		
vF,S,R	3.4'			
eeF,vS,R,* close f	0.8'			
vF,vS,R,stellar,*8s	2.4'X1'			
	8.0'	II 2 p n	30	9.8
	8.4"X6.0"	2		
B,vL,R,eRi,vgmbM	11.7'	8		
	<5"	1		
	8.0'	IV 2 p	20	10.4
eF,pS,R	3.0'	II 3 p	30	9.8
Cl,pL,iRi,IC	7.1"X5.8"	2		
	25.0'	III 2 p	40	
vF,eS,stellar	4.7"X4.6"	2		
pB,pL,R,*12F inv	5.6'	8		
eF,pS,R,5st nr				
F,S,iR,gbM	1.6'			
	<10"			
	<5"			
	50'X30'	6 lr		
Cl,F,L,pRi,IC,*13..15	5.0'	III 3 m	50	
	16"X10"	3		
eeF,vS,R,vF D* nr f	1.1'X0.6'			
	3.5"	2		21.0
Cl,L,iR,IC,st7,10...	15.0'	III 2 p	80	6.2
	<10"			
	6.7"X4.1"	2		
	47"X33"	3		19.7
vF,vS,smbM				
B,vL,Ri,st 10..	25.7'	9		10.0
Cl,pL,pRi,iR,*9...10	8.0'	II 2 m	60	09.0
eeF,pS,IE,*** nr	1.5'X0.9'			
	<7"	1		
	9.0'	II 3 p	30	
pF,S,vlbM	1.6'X1.4'			
	<14"	1		
13"-pF,S,comet-shaped at 220X; * invol	6.6"X5.8"	3b		14.9
eeF,eS,R,v diffic	47"	4		16.4

Sheet1

eF,S,R,p of 2	2.0'X1.7'			
F,vS,R,bM	1.2'			
	8.2"X7.6"	2		
eeF,F of 2	1.1'X0.9'			
eeF,S,R,v diffic,2of6				
	4.0"X3.6"	2		
cF,S,R,glbM,*13 sp				
vF,vS,stellar	1.5'X0.6'			
vF,cL,E,vlbM	3.2'	9		
vF,pS,R	1.1'X0.8'			
13"-vvF,pL,R,nBM at 165X	7.2'	11		
vF,S,stellar				
eeF,eS,R,* nr,v diffic				
F,S,stellar	2.3'X0.8'			
vF,S,pmE,bM	2.1'X0.5'			
eeF,vS,r,3rd of 6	1.4'X0.2'			
eeF,eS,R,* nr,4th of6				
eeF,eS,R,5th of 6	1.2'X0.7'			
	<10"	1		
vF,vS,R				
vF,pS,R,lbM				
	10"X5"	2a		
Cl,vL,Ri,IC	18.0'	IV 1 p	40	8.4
neb sp portion of Milky Way				
vF,S,mE				
eF,pS,IE	1.3'X0.5'			
	6.0'			
F,eS,R,(Pln)	0.4'X0.4'			
	3.4'	IV 1m:b		13.0
eF,S,R,3* nr				
	43"	3b		19.7
vF,pS,R,lbM	1.0'X0.8'			
	5.6"X5.1"	2		
	4'	6 E? G		
	4.1"	2		
vF,S,nearly stellar	14"X12"	4		14.0
	15"X9"	2		21.0
	<10"			
stellar,gaseous spectrum-Pickering	13"	4		11.1
	<5"			
eeF,pS,R,s of 4st				
Cl,vL,pRi,st8...12				
eF,eS,R,r				
	4.5"X3.8"	2		12.1
	14"X9"	3(2)		
eF,vS,iR	0.6'X0.3'			
	<5"	1		
	20"			
vvL sparse group,about 20 * mags 7....	41.0'	III 2 p	30	6.9

Sheet1

vF,S,R	1.7'X0.9'			
	<10"			
	4.0'	III 2 p n	40	10.6
	5.7"X3.3"	3		
	30'X15'	6 lr		
	12'X12'	E		
pF,S,iR,gbM	1.3'			
eF,pS,R,n of3,3st nr				
	6.1"X5.4"	2		
Cl,pS,iRi,IC,*10..12	8.0'	I 1 p	35	10.1
eeF,S,R,s of 2				
	2.0'	I 1p :b		
F,pS,IE	2.0'X1.2'	SBp		
	<10"			
Cl,st vS				
vF,vS,B*f2'				
	6.3"X6.0"	2		
	24"X13"	3(6)		
	<10"			
	8.0'	IV 1p :b		12.0
	19"X12"	2?(6)		
eeF,S				
13"-B,L,scattered 32* at 60X	45.0'	IV 2 p	20	
		1		
	2.1'			
eF,vS,R,bet 2st				
eF,pS,R,3st n	1'			
stellar=13m	6.1"X5.1"	2a		18.0
	3.9'	II 1p :b		14.0
	6.1"X3.4"	3		
pB,S,vmE,spindle	1.8'X0.5'	Sb		
pB,pL,R,bM	5.4'	5		
	4.6"X4.3"	2		
	10.0'	III 1 p	15	11.0
Cl,F,eL,vS st+neb				
eF,vS,stellar	1.1'X0.8'			
pB,pS,R,gbM,r,*15 np	35"X30"	3b(3)		19.0
	<5"			
pF,pS,E				
	0.8'X0.3'	Pec		
pF,L,mE,*9f4'	8'X2.6'	Sb		
	9.0'	IV 2 p	30	
Cl,vL,vRi,st12...13	12.0'	III 2 m		11.0
vF,pL,iR	1.9'X1'			
	5.1"X4.0"	2		
	<10"			
F,eS,R,(Pln?),sf of 2	1.2'			

Sheet1

vF,S,3st nr	1.3'			
eeF,pL,IE,bet 2st				
pF,eS,vf * att,np of 2	1.3'X0.5'			
vB,pL,R,vgmbM	7.8'	3		
	9.3"X7.4"	4(2)		
	<10"			
	4.3"X3.3"	2		21.0
vF,vS,IE	2.3'X1.7'	S		
vF,S,R				
Cl,pL,pRi,bifid,st12	8.0'	II 1 p n	80	12.0
	1.2'			
	9.9"X7.6"	2		
	9.4"X5.3"	2		
pF,pS,R,F*v nr,sf of 2				
	<7"	1		
eF,pS,IE,* nr N,np of 2	1.5'X0.7'			
	11"X8"	3		
eeF,vS,R	1'			
	4.5"	2		
	90'X60'	5 lr		
	0.5'			
vF,S,R,vsvmbM,vSRN	2.1'X1.8'	E3p		
eF,vS,R,mbM	2.0'			
	4.9"X4.7"	2		
vF,vS,R	1.4'			
	42"X30"			18.0
Cl,rr,st eS+neb				
	7.3"X5.7"	2		
	5.3"	2		
vS* slightly neb s	0.8'			
	6.2"X4.7"	2		
F,S,R,gbM	1.9'X1.7'			
	25"	1		
vS,bM				
	6.8"X5.5"	2		
Cl,pRi,in Milky Way	12.0'	III 2 p	50	
eF,S,(suspected)				
	9.0'	III 2mn:b		
	<5"			
	5.0'	IV 2p :b		12.0
	9.6"X2.5"	2		21.0
	<5"			
	5.0'	II 1 mn:b		12.0

Sheet1

	80"X74"	2c		14.7
	4.0"X3.6"	2		
	3.4'	IV 1p :b		12.0
	<5"	1		
neb S part of Milky Way				
	7.2"X4.7"	2		
Cl,vB,pRi,IC,*7...12	80.0'	II 2 r	80	5.6
	3.0'	II 1m:b		
eF,vS,IE,bet 2eF st				
	5.2"X4.1"	2		17.6
	30"X20"	3		
	25'X15'	5 lr		
vF,vS,stellar	1.0'X0.8'			
	25"	1		17.0
eeF,pS,IE,v diffic	1'X0.6'			
neb S part of Milky Way				
13"-pB,vS,IE,central * seen at 220X	3"X2"			14.0
F,S,R	1.6'X1.2'			
vF,R,1st of 3				
F,pL,bM				
	6.6"	2		14.7
	5.3"X3.6"	3		
vF,vS,2nd of3				
S D*in neb				
F,pL,3rd of 3	1.6'X1.3'			
vF,vS,sp of 2	2.5'X2'	Sb-		
F,vmE,sbM	2.2'X0.4'	S		
eeF,pS,R	0.8'X0.5'			
		1		
vF,vS,nf of 2	1.7'X1.5'	SO		
	8.0"X7.3"	2		
	11.1"	2?		21.0
	<5"			
F,pL,Irr	10.0'	III 2 p	80	
	<5"			
Cl,B,vL,pRi,IC,*10..	27.0'	III 1 m	150	9.2
	<25"			
vF,pL,R	1.3'			
vF,vS,R,2B st nr	13"X7"	2		
	1.6'X1.0'			
	6.0"X5.7"			
	16'	5 C		

Sheet1

	3"	1		16.2
	11.0'	I 1 p	20	
	6.0"	2		21.0
	3.7"	2		
	<25"	1		
	5.4"X5.3"	2		
	6.4"X4.2"	2		21.0
	5.6"X5.0"	2		
vB,pS,sbMvSN	22"X16"	3a(2)		10.2
	5.0"X4.8"	2		
Cl,iR,pmbM,r	3.5'	4		
neb+Cl,pL,mE,gvlbM	6.9'	12		
	3.5'X1.4'	Sd		
eeF,pS,R	2.1'X0.9'			
	<10"	1		
pF,pS,IE	1.7'X1.3'			
	4"	1		
vF,pL,irrR,lbM	1.6'X1.3'	Sc		
vF,vS,stellar	1.2'X0.9'			
F,S,E,bM,bet 2*10	1.5'X0.9'			
Cl,pS,IRi,IC	7.0'	IV 2 p	35	12.0
2 vF,closest in vF neb				
eF,S,mE,2st sp	1.4'X0.4'	Sb		
Cl,Ri,eL,vIC				
	8.0'	III 1 p	25	
	7.3"	2		21.0
F,pS,iR	1.2'X0.7'			
	2.2'	IV 1m:b		13.0
	<5"			
	2"	1		
	10.8"?			
	<5"	1		
	4.0'	IV 1p :b		13.0
	3.0'	IV 2m :b		13.0
	240'	IV 3 m		
	7.2"X3.4"	3		
	13"X10"	2		
	2"	1		
	9.9"X8.0"	2		
eeF,vS,R	1.6'X1.1'			
pB,pL,R,rr	4.3'	4		
	4.6'X0.8'	Sc		
	10.0'	III 2rn:b		12.0
		n	10	10.3
	11"X4"	2		18.0
Cl,P,st L				
vB,vL,Trifid,D* inv	28.0'	n	67	06.0
	7.2"X6.1"	2c		

Sheet1

	10.5"X9.2'	4			
	<5"				13.5
very distinct Dneb	4'	5	lr G		
	12.5"	3			
pF,S,pmE90,*12 att f	2.5'X1.2'				
!!!,vB,eL,eif,w L Cl	80'X40'		E		
	8.6"X8.2"	2a			
annular,13 mag * nf 33"	18"X12.5"	4			14.6
Cl,pS,RI,IC,st9...13	6.0'	1	2 m n	60	09.0
vF,np 6522					
B,pL,R,gvmBM,rrr	5.6'	6			
	5.3"X5.0"	2			
pF,vS,vS neb *p	3.6'	11			
	2"	1			
	10"				
vF,vS,F*orD* inv	1.3'X1.1'				
	10.5"X9"	2			
	12'	4	C G		
	6.2"X3.6"	2			
	13.2"	4			
Cl,pRi,IC,st9...12	13.0'	1	3 m	70	7.3
vS,F	2.5'	10			
F,L,cE	40'		E		
Cl,B,L,pRi,f M8	15.0'	11	2 m n		6.9
pF,cS,R,gbM,rrr	3.7'	5			
F,pS,R,bM,bet 2*					
	12"X7"	2			
	12.8"X11"	2			
	7.8"X5.0"	2			
	7.8"X5.0'	2			
F,vS,E,mbM	1.5'X0.4'				
eL,eif,st F					
B,S,stellar	5"	2a(6)			19.5
eeF,pS,iR	1.2'X0.9'		Sp		
	<11"	1			
	1.9'X1.9'		S(B)c		
Cl in Milky Way					
vF,pL,iR,near 6548	1.4'X0.5'				
vF,pS,R,sev F* inv					
cF,S,IE,r	2.8'X2.5'				
	<25"	1			
	30'X20'		E		
	<3.3"				
pF,S,IE,er or Cl	0.8'	111	1 p n	10	
	1.5'		IV 1p :b		

Sheet1

eF,vS,R,*16 nr	5.8"X5.5"	2		
	2"	1		14.8
	9.7"	2		
Cl,vL,vRi	13.0'	III 2 m	150	10.6
	<5"	1		
cF,pL,iR,r	8.9'			
	36"			
	2.7'X2.5'	SBC		
	<10"	1		
F,L,R,vglbM	2.1'X1.8'	S(B)c		
	10"X10"	2		
	3.2"X3.0"	2		
B,R,eC,gbM,rrr	13.1'	3		
	5.8"X4.5"	2		15.0
	4.3"	2		21.0
		III 3pn:b		
eF,pS,R	34.0'	III 2 p	15	
vF,vS,R,rr	2'X1.4'			
eF,vS				
Cl,pRi,vIC,st L&S				
S neb or neb *	3'X2'	R		
	1'	5 S		
		1		
* 7.5 in L,dif neb	10'X8'	R		
F,L,IE,vglbM,rr	8.1'	11		
3 st 8.5 to 9m in pL neb	9'X8'	E		
	8.4"X4.5"	5		
	37.0'	IV 3 p n	30	
	12.5"	2		
vF,vS,R				
	<10"			
	5'X2'	5 K		
2 st 8 & 8.5 in pL neb	10'X6'	E		
F,vL,cE,lbM,rr				
vF,vL,IE,** inv	5'X4'			
vF,vS,R				
	10'	6 lr G		
pB,pL,R,glbM,rrr	3.7'			
	11.6"			
Cl,L,IC,st Cl				
eeF,vL,v difficult,D* close p	7.1'	XII		
pB,S,R	1.8'X1.3'			
eF,vS,stell				
pF,pL,R	1.8'X1'	SBm		
eeF,pS,R				
	9.0"X7.4"	4		

Sheet1

vF,vS,R,B* nr	7.0"X5.0"	2		
	12"			
	2.8'X2.8'	Sdm		
pB,S,R	1.3'X0.9'	S		
eF,vS	0.7'X0.5'			
	6.5"X4.3"	2		
eF,pS,R				
stellar	10"X8"	4		19.5
F,L,cE,hazy edge	54"X41"	3a		18.0
vB,vS,R,l hazy	15"X12"	2a		12.0
vF,S	1.5'X1.3'			
eF,pS,R,v diffic				
eeF,eeS,R	1.0'X0.9'			
eeF,S,eE,bet sev B st	1.9'X0.4'			
	16.7"	3b		20.0
	4.0"X3.7"	2		
	8.7"X6.8"	4		
	2.5'X1.4'	SBdm		
	1.5'X1.3'			
F,p of Dneb				
eF,dif,bet 2F st				
vF,eS,R,vF * nr				
vF,pS,IE,F* nr				
	<25"	1		
	4"	1		
F,f of Dneb				
Cl,vL,IC	13.0'	III 1 m		50
	<10"	1		
pF,pS,R,lbM,n of 2				
pF,pS,R,lbM,s of 2	2'X0.9'	Sbp		
	<5"	1		
	<25"	1		
cB,L,R,rrr,*15..	5.8'	8		
eF,S,R	1'X0.5'			
stell,11m,in a Cl	11"X7"	2a(3)		15.0
	8.4"X8.1"	2		
Cl,st vS				
F,vS,R,stell	2'X2'	S(B)O		
eeF,vS,stell				
eeF,pL,R,v diffic	1.4'			
vF,vS,R,lbM				
	46"X38"	4		19.7
	1.5'	I 1m:b		
	4.9"X4.5"	2		
	<10"			
vF,S,R,gbM,vf * inv	1'			
	5"	1		

Sheet1

	4.5"X3.7"	2		
	4.3"X3.5"			
	2.0'	I 1p :a		
	<10"			12.5
13"-L,very prominent Dark neb at 60X	12'X6'	6 E G		
pF,vS,R,gbM,S* att f	1.3'			
F,vS,stell				
Cl,pRi,pC,cE,st13...	2.8'	II 1 m	35	
	10'X7'	E		
eeF,eS,R,v diffic				
	7.7"X7.3"	4		
	<5"	1		
stellar=13mag	8.5"	2a		16.0
	4.0"X3.8"	2		12.5
	<5"	1		
	5.0'	II 2 p	10	11.2
eL,conn w cloud IC 4715	60'X40'	E		
Cl,vS,st f 30"				
	12'X2'	4 Co G		
vvB,eL,mE,many * of diff mags	120'X90'			
D*center eF,pL neby	5'X4'	R		
D*center pF,pL,R neby		R		
F,pL,cE,** inv	11.0'	n	30	
Cl,IRi,IC,st10...12				
F,S,E,mbM,R				
	12.5"X6"	2		
Cl,IC		III 2 m n	30	
	7.0"X5.5"	2		13.0
	5"	1		
	4.0'	I 2m :b	50	
	11.5"	2		
	8.8"X5.2"	2		
vF,eS,mE,2F st nr	1.5'X0.6'			
* 7.6 in neb,15' diam	17'X15'	E+R		
Cl,IRi,IC	2.0'	I 3 p n	30	7.5
	6.9"X4.9"			
	<10"			
Cl,vRi,vmC,R,Milky Way	5.0'	I 1 r n	100	14.0
	8.4"X6.9"	2		
S,F,Stellar	5"	2		
vF,vS	1.1'X0.9'	SBa		
	7.3"X7.1"	3		
cB,cL,R,gmbM,rrr	7.9'	8		
		1		
F,S,E	1.2'X1.1'			
L,B,scattered Cl,neb invl	6.0'	II 3 m n:a	60	11.0
	8.9"X7.0"	4		
pF,S,R,bM	1.4'X1.1'			

Sheet1

pB,pL,E50,2st p	4'X2'	Sc		
Cl,P,vIC	9.0'	II 3 p n	20	8.6
eeL cloud of st and neb	30'X5'	E		
	<9"	1		
!!!,B,eL,eIF,2 hooked	11.0'	III 3 m n:	40	9.3
	5.6"X4.5"	2		
eF,S,*6 sp	1.6'X1.1'			
vF,vS,R,glbM	3.5'	III 2 p	15	11.0
	130"X100"	3		14.8
eeF,pS,R,3* nr	2.1'X0.5'			
	3.3"X3.2"	2		
vF,S,IE,bM	1.7'X1.1'			
vF,pL	1.5'X1.3'	SBb		
	4.7"X3.2"	2		
	13"X12.5"	4		
Planetary,stellar	5.3"X3.8"	2b		16.0
Cl,IC,Iri,st11...12		n	30	
	<10"	1		
vB,pL,R,rrr,st16..	5.9'	6		
	6.1"X3.6"	2		
*12,13 in np B,pL neby	2.8'X2.3'	SBa		
eeF,pS,IE,v diffic	1.8'X0.9'	Sc		
vB,L,R,geCM,rrr	11.2'	4		
	7.0'	II 3 p	20	9.7
F,S,R,gbM	3'X1.3'	Sb+		
	76"X53"	3		21.0
	76"X53"	3		21.0
	8.5"X7.9"	4		
	6.3"X5.1"	2		
	15'	E		
vF,S,R,gvlbM,*9p	1.4'X1.1'			
vF,vS,R	12.0'	IV 2 p	20	
	2.5'	IV 1m:b		13.0
S,pmE,** inv	30'	5 C G		
pB,eeS,R	16"X14"	2a		12.5
pB,R,vgbM	1.6'X1.3'	Ep		
	2.7'X1.0'	Ring		
		1		
	9.6"X9.0"	3		
Cl,pL,pRi,st12...15	5.0'	II 2 m	30	
vF,S,R	1.0'	SOp		
Cl,IC,st L	27.0'	III 2 m	30	7.6
		1		

Sheet1

	104"			16.0
	11.5"X10"	4(2)		
	7"	1		
vF,S,R,vlbM	1.2'X0.8'			
vF,vS,R,bM	4.0'X2.5'	SBc		
vF,vS,R,bM	1.1'			
	50'X50'	4 lr		
	4.8"X4.6"	2		
	<5"			
	4.9"X4.7"	2		
F,S,iF	1.2'X1.0'			
neb w out stars				
	5.5"X4.6"	2		
	63"X39"	2		
	302"X281"	3b	20.1	
	10'X5'	R		
vF,pL,IE,vF D* nr	3.2'X2.3'	S(B)bp		
pB,pS,mE				
Cl,in Milky Way				
	100'	4 E		
B,S,R,rr	5.0'	6		
	12.5"X11"	3b(2)		
	67"X60"	3b(2)	15.1	
* 5.5 in L,E neb	44'X34'	4	06.0	
	7.0'	III 2 m	20	12.0
	18.0'			
	20'X8'	E		
Cl,pC	32.0'	I 2 p	30	6.7
	9.1"	2		
pB,pL,iR,gpmbM	4.5'	5?		
	<25"			
	20'X20'	E		
	4.0'	IV 1p :b	13.0	
	16.9"	2	17.4	
	6.0'	III 1r :b	14.0	
Cl,pL,vRi,pC,st11..15	10.0'	III 1 m	40	12.0
Planetary,stellar	3"	2	15.9	
pF,S,R,gbM	0.8'X0.7'			
	40'X15'	5 lr g		
	10"X6"	2(3)		
	18.0'			
vF,vS,sbM	0.8'X0.4'			
	5.0'	IV 1m:b	14.0	
eeF,pS,IE,lbM,v diffic	1.6'X0.3'			
pF,pS,R				
	120"	3		

Sheet1

Cl,L,Ri,IC,st vS	7.8"X6.6"	2		20.1
eeF,pS,R,v diffic	5.8"X5.3"	2		
eeF,S,mE,v diffic	1.1'X0.9'			
Cl,P,IC,pS,*9,10,12	1'X0.4'			
vF,vS,bet *v nr & vF D*	6.0'	II 2 m	50	11.6
eF,close double	3.9"X3.0"	3		
F,vS,IE	0.6'X0.2'			
2 close*,n one neb s	1.5'X0.3'	SO		
	5.0'	IV 1p :b		12.0
Cl,P,IC				
eF,vS,R,2 stars 12 mag nf and np	2.4'X2.2'	SBdm pec		
F* in vF,vS,IE neby	1.6'X0.5'			
	7.2"X6.1"	2		
Stellar	2"	1		16.6
B,L,R,rrr,*14..16	7.1'	5		
F,cL,E 150 degrees	7.6'X1.9'	SB(s)		
F,vS,R,gbM	1.9'X1.2'	Sa		
vF,vS				
pB,pS,R,mbM,bet 2*				
eF,S,R,v diffic				
vF,pS,*8F7'dist				
pF,L,R,bet 2*	4.2'X1.5'	Sd		
pF,vS,E,nf				
	18.0'	IV 1 p		
	7.8"X7.4"	2		
	14"X13"			18.0
	17"X15"	4		20.3
	5.0'			
	6.6"X5.6"	2		
B,S,IE,rrr,st15	3.5'	6		
vF,vS,R	19"			
	17"X10"	3		
vB,vL,R,vRi,vmC	24.0'	7		
	<25"			
Cl,L,pRi,vIC	16.0'	III 2 m	50	10.1
eF,pL,R,bet 2st	1.6'			
vF,vS,R,mbM	1.9'			
vF,E,45"	2.0'X1.4'			
	45'X15'	5 lr		
	8"X7"	4		
	35'X25'	5 lr		
	<10"	1		

Sheet1

eF,pL	0.9'X0.9'			
F,pS,iR,bM	4.5'X2.1'	SBb		
	60'X10'	6 lr		
vvL,scattered group of 80 * mags 7....	52.0'	III 2 m	80	8.7
	40'X40'	6 lr		
vF,pL,R,pB*S nr	1.6'	SBb+		
	2.6'X0.8'	SBdp		
	6.6"	2		21.0
	8.4"X8.1"	2		
Cl,L,Ri,st10...18				
eF,S,close to a S*				
eeF,vS,R,v diffic,sp of 2	1.1'X0.9'			
	8.0'	II 2 m	40	11.2
eeF,pL,v diffic				
eeF,eS,R,v diffic,nf of 2				
	12.0'	I 2 p	40	
	9.3"X7.8"	2		
F,pS,R,bM	1.6'			
	30"X24"	4		21.0
	6.0'	III 2m :b		
	16.1"	4		17.9
	4.7'	10		
vF				
vF,vS,irrE,sev vf * inv	1.1'X0.7'			
	5.0"	2		
Cl,vRi,vIC,in Milky Way	11.0'	I 2 p n	20	11.7
	4.0'	IV 1p :b		
	<10"			
vF,S,irrE ns,vlbM	1.1'X0.7'			
	40"	4		
	9.0'	II 2 p	35	11.4
	7.0"X5.8"	2		
		1		
pB,pS,mE,F* close f	1.6'X1.2'	SBa		
B,pL,R,gbM	7.8'	5		
	4.8"X4.3"	2		
		1		
	<5"	1		
	13"			
vF,S,IE,glbM				
	6.6"X5.3"	2		
pF,S,R,psbM,r	2.2'X0.9'			
F,vS,stell	1.2'X1'			
Cl,cL,pRi,pC,st12..15	15.0'	I 1 m	30	10.3
	3.3"X2.9"	2		

Sheet1

	14.9"X12"	?(3)		
	10.0'	II 1r :b		15.0
vS,F	8"X6"	2a		16.0
eeF,pS,v diffic,sev*N				
	<5"	1		
eF,IE,dif,iR	1.5'X1'			
	5.3"X4.7"	2(3b)		
	<5"	1		
pF,S,IE	1.9'X1.5'	E3		
B,S,R,mbM	2.3'	SO		
	16'X1'	5		
	7.8"X7.3"	2b		
	8.9"X5.1"	3(2)		
13"-no obvious cluster this location at 60X	110.0'			
13"-pF,pS,nC 12* and hazy backround at 100X	9.0'	I 2 m	15	12.6
	5.9"X4.2"	2		
susp Cl,cL,st vF				
	6.7"	2a		
In. Reg. Comp. Blk	0.7'X0.5'			
vF,pS,R,lbM	1.1'	SBb+p		
vB,pL,R,vg,psvmbM	3.7'X2.7'	SBO		
	3'	3		
	14.0'	II 3 r	80	
	90'X2'	2		
	5.9"X3.2"	2		
	3"			13.3
13"-F,S,IE,cent* seen occaisionally at 220X	17.5"X17"	4		
	9'	6 lr G		
	35.0'	III 1 m		10.0
	3.7"	2		
vF,S,R,bM	1.6'X0.9'	SO		
vF,S,R,bM	0.4'X0.35'			
Cl,B,60st13	6.0'	I 3 m	30	12.2
	120'	3 lr		
!!Cl,vB,L,iR,Ri,*9..	14.0'	I 2 r	500	08.0
	20'X20'	4 lr		
	11'	5 lr G		
Cl,pRi,IC,iF	13.0'	III 2 m	40	9.1
	4.4"X4.0"	2		
	3.0'X1.9'			
pF,pS,IE90,pslbM	1.9'X1.8'	SBb		
	50'X10'	5 lr		
	7.2'	9		
pB,vL,irr,rrr	50'X5'	6 lr		
	3.0'	IV 1p :b		12.0

Sheet1

13"-B,pL,nRi,nC at 100X; 15* and Delta LYR	20.0'	III 3 p	15	4.3
	35"X33"	2c		21.0
	22.0'	IV 2 m		
Ring neb,B,pL,cE	86"X62"	4(3)		15.4
	1'	6 C G		
		1		
	22"X20"	2		
pL,eF,0.4' ESE from NGC 6712	102"X87"	3b(2)		15.0
Cl,pRi,st9...13	7.0'	IV 1 p	20	8.3
	350"X265"	3b		
F,S,rr,Cl+neb	3.9'	8		
	3.9'			
vB,L,R,g,smbM	9.1'	3		
	4.0'	II 1p :b		15.0
eeF,v diffic,pB st sf	1.2'X1.0'			
F,S,vIE,gbM	2.1'X0.9'			
	4"	2		18.0
pF,S,R,gpmbM,last of group	1.1'X0.9'			
	5.4"	2		
bM	2.5'X1.1'	E5		
pB,vS,R,F*N	0.9'			
	4.2"X3.2"	2		
neb,No Descr				
S,IE,bM	0.7'X0.5'	S0		
Cl				
vF				
	10.5"X8"	4		
Cl,vL,P				
	180'	5 lr		
	10"X8"	4		
	22"			16.5
	<5"?	1		
	4"			
vF,stellar	31"X30"			19.4
vL,vIE,vgbM,rrr	11.0'	7		
	2.5'	IV 2p :b		14.0
	6.2"X2.5"	2		
vF,vS,R	1.0'X0.6'			
pF,cS,R,vmbM	1.9'	E0		
eeF,S				
Cl,vL,P,st12...			30	
	64"X58"	4		15.4
Cl,P,IC	15.0'	IV 2 p		
No Cl,pL,P,st11...12				
vF,S,R,glbM,*9 sp				
vF,IE ns	1.6'X0.7'			

Sheet1

eF,pL,R	20'X5'	5 lr		
*6,7 in F,pL neb	2.2'X0.5'			
*8 in F,pL neb	2'X2'	R		
Var*(11...) w neb	1'	E+R		
	124"X75"	3b(3)	13.8	
Cl,pL,pRi,R,st12..15				
	7.0'	II 2r :b	15.0	
Planetary,stellar	9"X7"	4	14.7	
	7.1"	2		
	55'X18'	6 lr		
vF,pL,R,vgvlbM				
	45"	4	18.6	
pF,S,E,glbM,2*8p				
	25'	E		
pB,vS,bM				
	16'X8'	6 lr		
	37"X34"	3b	17.7	
L,IC,st L&S				
	6.3'			
	5.0'	I 3 r :a	18.0	
pF,mE,3F* inv	1.6'X1.1'			
* 7 inv in eL neb		R?		
eF,vS,cE,F* nr				
eF,mE	1.6'X0.4'			
	2"	2	15.7	
pB,S	20"	3	13.0	
Seen in 11X80 finder, No * in 13", DARK SPOT10'X3'		6 Co G		
eeF,vglbM,v diffic				
	30"X27"	4	20.3	
vF,S,R,vf D* close sp				
	6'	6 C G		
vF,S,R,glbM,p of 2				
	50'X30'	6 lr		
eF,S,R,glbM,f of 2				
	6.0'	III 2m :b		
vF,S,R,pmbM,*7,8 nf				
Cl,vL,vRi,pC,*,*12.14	15.0'	IV 2 m	100	10.2
cF,vS,cE,psbM,3 st p				
pF,pL,mE,sev vF * inv	2.3'X1.4'	SBb		
Cl,S,RI,IC,*11...12				
	4.0'	I 2 m	40	13.0
	67"X47"	2b		
cB,cL,R,vg,svmbM,r stellar	15'X10'	S(B)b+		
	12'X8'	6 E		
eF,cS,R,glbM				

Sheet1

	47"X32"	3		19.9
eeF,S,R,2st nf	1.2'X1'			
B,vL,iR,st11..16	20.4'	6		
F,S,E	38"	5		16.0
pB,pL,vglbM (Auw. 44)	6.6'	9		
pF,pL,mE63,vglbM	1.9'X0.9'	SBb		
pB,pL,R,gbM	2.5'	Sb		
	4.0'	III 1p :b		14.0
	57"	3		11.1
vF,S,R,stellar,S*nrN				
	6.2"	2		
	24"X20"	4		21.0
	188"X174"	4		
	16"X6"	4(2)		
	9.7"X6.9"	2		
	4.4"X4.0"	4		
eS,stellar				
	<5"	1		
	<10"			
pB,S,R	2.1'	E1		
	13.0"	3b		19.4
	16.4"			17.2
vF,L,R,vlBM,r	75"X55"	3b(2)		18.1
Cl,P,IC				
vF,pS,iR	1.6'X1.2'			
F,cS,R,bM	3.2'X1.5'	SBc		
	180'	3 lr		
	5.0'	II 1m:b		15.0
stellar	2"	2		13.7
eeF,pS,4* sf,e diffic	1.2'			
vF,S,R,pslbM	1.2'X1.1'			
B,L,iR,gvmCM,rrr	7.1'	10		
eF,diffic				
Cl,vL,IC				
eeF,pL,R,v diffic	1.8'			
	48.0'	III 2 m	20	09.0
Cl,P,IC,st10...15				
	47.0'	IV 2p :b		09.0
	40"X34"	3b		17.6
	34"X29"			
	5.0'	III 1m:b		16.0
Stellar,gaseous spectrum	8"X6"			12.9
	10'X2'	5 E G		

Sheet1

13"-vF,pS,sBM at 100X; no* reslvd at 320X	3.5'	12		
	44"X36"			
vF,S,R,lbM,1st of 3	2.5'X1.7'	S(B)bp		
F,L,R,vsbM disc	111"X109"	3b(3)	16.3	
S,E,III-defined disc	19"X13"	3(3)	14.8	
eF,vS,2nd of 3	2.5'X1.9'	S(B)bp		
	94"X80"	3b		
			14.0	
eF,S,3rd of 3	2.6'X0.6'	SBO		
	200"	2b	17.4	
	88"X77"	2b	18.0	
	4.0'	II 1p :b	15.0	
vF,L,vRi,*F	16.0'	II 3 r	300	13.0
	55'X15'	6 lr		
	8.2"	4(3)		
F,E26,glbM,*9.5 sf	2.4'X1.3'			
vF,pS,mE ns	1.6'X0.9'	Sb+		
	50'X10'	5 lr		
		2a		
vF,L,R,vglbM	1.6'	S(B)c		
B,eS,stell=9.5m	2"	2	18.0	
Cl,P,IC		IV 2 p		
	<10"			
	5.5"	2(3)		
cF,cS,R,lbM,*9s	2.7'X1.6'	SBO		
F,vS,R,*v nr	1.6'X0.9'			
	11"X9"			
		1	13.7	
	5.0'	III 2m :b		
	1.4'X0.3'			
pB,S,R,pgbM	1.9'X1.7'	E2		
vL,B incl 4,5,7 Vulp	60.0'	III 2 p	40	5.2
pB,S,mE,pslbM				
Cl,Ri,bet 2*9				
eeeF,pS,am s st	7.0'	IV 2p :b		
	5"			
	7'X5'	R		
	6.0"X5.1"	2	14.6	
Cl,vL,pRi,vIC,st10..	15'	III 2 p	20	10.0
eF,pS,R,F*S nr	1.4'X0.7'			
		1		
eF,pS,R,vglbM	1.7'X1.5'			
	<10"			
	3.7'			

Sheet1

neb w *9 att f	5.0'	II 2p :b		16.0
	1.0'	II 1p :b		
13"-pF,pL,R,nBM, 2* invl at 100X; UHC helps Cl,L,vC,E0,st14...18	7'X7'	E+R		
	3.2'	III 1 m	50	12.9
stellar	4"	2a		14.0
cB,S,iR,rrr	63"X50"	4(2)		13.0
	<10"			
eF,vS,R,lbM,3vS* nr	13"X9"	3(6)		
	15.5"X3"	6		
13"-eF,pS,E,nBM at 165X, 2 vF* invol	161"X151"	2c		18.2
	8"X6"			
stellar	2"	2		13.9
vF,S	5"	4		10.0
	4.0"	2		
	120'X2'	E		
13"-B,vL,nC at 60X; 28*	60.0'	IV 2 p	40	07.0
13"-pB,vS,nBM,sE in PA0 at 220X	8"X16"	R		
	4.7"X3.1"			
	40'X5'	4 lr		
eF,R,vgbM	1.1'X0.9'			
	4'	6 E G		
eF,vS,*14 att	1.6'X1.0'			
eeF,pS,IE	<25"			
Cl,L,pRi,IC,st11..14	13.0'	IV 3 p	70	9.9
	1.0'	IV 2 m		
13"-pF,vS,R,BM at 165X, averted viz helps	3"	4		
	3.4"	2		
pB,L,R,vRi,vgbM	19.0'	11		
**in vf,S neb	3'	E		
	2.7"	2		
	140"	3b		18.7
! L,Irr,2 extensions W	80'X50'	6 lr		
Cl,vL,pRi,IC,*10..15		IV 2 p		
	5.4"X4.8"	2		
Cl,vL,vRi,*11...15	5.0'	I 1 r		11.5
	<10"	1		
	1.3'X1.3'	S(B)0		

Sheet1

eF,vS,v diffic,F* nr					10.9
	40"	2			14.7
	9"	1			
F,L,Irr	40'X30'	E			
pF,pL,R,bM,r	3'	Sb+			
Cl,cRi,,E,st11...12	12.0'	I 3 p n	30	8.8	
	5.0'	II 2m :b			
pB,iF,bM	2.6'X1.7'	Sb			
PS,R,vgbM	3.8'X1.1'	Sb-			
pB,E,bi-N,*8f	1.7'X0.7'	Sa			
B,vS,R	22"X15"	4			15.0
eF,pS,R,vlbM,* np	2.2'X1.0'				
	<5"				
F,pL,R	1'	SBd			
Planetary,B,pL,R,*11m	27"X24"	3a(2)			11.0
vF,L,E,Dif	20'X10'	Ir+			
BM, mag 10	2.9'X1.7'	E5			
	3.2'	11			
	<25"				
pB,pS,pmE,glbM					
	40"X34"	3			18.1
		IV 1p :b			
13"-pF,L,E 3X1 at 100X with UHC filter,11*inv	18'X6'	E			
	6.8"	IV 2p :b			
	134"X74"	2a			15.9
eF,pS,R,pB* nr s,p of 2	1.6'X0.35'				
eF,S,R,f of 2	1.6'				
Cl,vL,IC,st7...					
	8"	2			
vF,E,dif,sev st inv					
13"-pF,pL,mE,S side B at 135X with UHC filter	15'X3'	E			
	8'X3'	E			
	4.0'	I 1m:b			15.0
stellar	2"	2			15.1
	32"X16"	3b(6)			
Cl,P,IC					
	9.6"X5.8"	3			
Cl,L,pRi,pC,*11...12	12.0'	II 2 p	20	9.9	
	9.0'	III 2m :b			
	<10"	1			

Sheet1

Cl,P,IC,*11...12	5.0'	II 2 m	50	9.6
pL,IC,* 11...	7.0'	III 2 p	15	9.8
Cl,S,P		IV 1 p :b		
Cl,vL,vRi,pmC,*11...16	7.2'			
Cl,vS,vC				
F,pL,mE	2.7'X0.5'	SBa		
vF,pL,R,dif	1.2'	S(B)m		
F,pL,vIE	52.8"X48"	3b		14.5
Cl,P,IC				
Cl,S,P				
eF,vS,3* inv	0.5'	IV 1 p		15.0
neb,resolvable				
				10.5
	295"X241"	3b		17.4
vF,S,R,psbM	1.5'X1.4'			
	69"X61"	2b		19.1
	360'	1 lr		
13"-could not find, 7/10 night at 165X	22"	3b		
Cl,pS,pmC,iR,*12..16				
		IV 1p :b		
!!vB,vL,bi-N,IE,Dumbbell Neb	480"X340"	3(2)		13.5
13"-pF,S,irR,8th mag* invol at 100X	16'X9'	E		
	40"X37"	3		13.3
F neb,am st	28"	4		
	4.0'	I 1p :b		16.0
pB,pS,R	1.3'	SO		
vF,S,vIE,glbM				
F,am Milky Way st	40"	3(3)		14.3
	4.0'	II 1p :b		17.0
	14.0'	IV 1 p		
cF,cL,R,vglbM,2st f				
	15'X5'	E		
	35'X6'	4 G		
eF,vS,R,psbM,*11 np				
Cl,cL,E,pRi,st13...				
	<5"			
	1'	6		
pF,S,vIE,psbM	1.8'X1.3'	E4		
vF,S,R,bM	2.1'X1.1'			
Cl,L,vRi,cC	7.0'	II 2 m	80	10.7
vS Cl,*10p1s,s1'29"				
	17"X15"			
	30"X27"	3b		

Sheet1

13"-pB,pL,sBM,irR,2* invol at 165X Dneb *,iF,* 11 close	240"X192" 8' 25' 16"X11" 4.0'	2 R R 3b(6) II 1pn:b IV 2 p n	30	21.0 16.0 11.6
Cl,S,vmC,st19 F,S,vIE,glbM	2.0'X1.3' 20.0'	E2 IV 1 p n	12	
Cl,st L&S,D* inv	20.0' 1.3'X0.2' 1.3'X0.5'	IV 3 p n	15	6.8
F,S,E B,pL,R,vmbMBN,rr pB,S,R,vS* np	6.0' 1.9'X1.1' 1.2'X0.3' 1.2'X0.5'	1		
13"-pB,pL,arrowhead shape, 22* at 100X pF,S,R	14.0' 1.5'X1.2' 3.9"	n 2	40	10.2
B,S,cE,gpmbM	2.7'X1.4' 15.0'	III 2 p n	15	
Cl,P,IC	5.0'	IV 2pn:b		
Cl,IC,st10..13,D* inv	2.3'X0.8'			
F,pS,gbM F,S,IE,glbM	23"X21" 13.0' 2.7' 45.0' 10.0'	4(2) III 2 p E2 IV 3 p n IV 1pn:b	10	7.9
13"-pF,pL,sC,nvRi, 22* mags 11..13 at 100X vB,S,R,pgvmbM	9.0' 4.0' 5.6"X5.0" 2.0'X0.7' 4.7"X4.1" 4" 4.0' 3.3"X2.9" 1.3'X0.3' 1.6'X0.3'	Sb- II 3 r n II 1 p n 2b 2a 2(3) II 1pn:b 2a(3)	60 12	17.0 14.0 15.7
cF,cS,E90,gbM 30 pF * in eF neby,small cluster F Neby stellar eeF,L,pmE stellar=10m stellar=10m	2.5'X1.0' 9.0' 4.0' 5.6"X5.0" 2.0'X0.7' 4.7"X4.1" 4" 4.0' 3.3"X2.9" 1.3'X0.3' 1.6'X0.3'			
Cl,pRi,** inv Cl,P,IC	15.0' 18.0'	I 3 p n II 2 p	30	9.9

Sheet1

	4.0'	III 2pn:b		12.0
	28.8"	3(2)		11.5
	2.7'X0.5'			
Cl,vB,vL,Ri,IC,*6..11	7.0'	III 2 p	30	06.0
	4.0'	I 1pn:b		15.0
	50.0'	II 2 p	40	
F,vL,vmE,** att	20'X10'	E		
F,vS,R,vgmbM,*7 nf	2.5'X1.3'	E6		
	1.9'X0.8'			
	10'X5'	5 Ir G		
vF,pL,R,glbM	1.7'	Sb		
	<10"			
	4.0'	I 1m:b		18.0
stellar=9.5m	15.5"X7"	2a(2b)		11.1
	15.0'	III 2 p n	40	
ring neb,F,S,vvIE	44"X39"	4(2)		17.6
	13.0'	III 1 m n	40	
Cl,pRi,IC				
Cl,st 8...13	6.0'	I 3 p n	15	8.5
eF neb *(eS Cl)				
F,pS,IE,glbM,1st of 4	4.7'X1.4'	SBbp		
pF,cL,pmE,glbM	4.1'X1.7'	Sb		
	18"X13"	3(2)		
	6'	n	15	10.3
13"-F,pL,R at 100X; 10th mag star invol	7'X7'	E		
Cl(+ neb)S,st vS				
	6.0'	IV 1pn:b		
13"-pB,pL,nRi,sC, 16* mags 11..13 at 100X	4.5'	IV 2 p		
	12.0'	III 2 p n	12	
pF,S,R,vglbM	1.5'	Sb		
pB,S,R,eS* sf,2nd of 4	2.4'X1.8'	E3		
vF,vS,R,3rd of 4	1.4'X0.7'	E6		
vF,L,IE				
	7.0'	III 1m:b		15.0
	11.0'	IV 1 p		
F,S,R,r,vS* att,4 of 4	2.1'X0.7'	SBO		
	5"			
eF,L,lbM,pB* nr	2.2'X1.2'			
	11.0'	IV 2 p n	20	
	23"X20"	4		21.0
Stellar	2.0"X1.4"	1		13.7
13"-pF,pS,nRi,nC 19* mags 10..13 at 135X	8.0'	I 3 p n	30	9.5
	6.0'	III 3mn:b		
pF,S,R,svbM*12	2.8'X1.9'	S(B)O		
	20.0'	IV 2 p		
	10.0'	IV 2pn:b		

Sheet1

vF,S	0.8'			
	1.5"	1		15.1
F,S,iR	1'X0.4'			
vF,S,R				
	12.0'	IV 2 p	30	13.0
Cl,S,vIC,st10...11				
	3.0'	IV 1p :b		15.0
	9.5"X6.5"	?(3)		
Gamma Cygni Neb,L patches of F nebulosity	60'X30'	E		
eF	1.4'X0.6'			
B,pS,R,4S* nr	44"X38"	3(3)		14.0
Cl,pB,pS,P,pC,*20.12	8.0'	I 2 p n	50	9.6
	1.3'X1.0'			
	1.5'X1.3'			
plan=*12,diam 10 to 15"	0.9'X0.8'	E2		
13"-pF,pS,nRi,IC, 22* at 135X	6.0'	III 1 p n	22	
eeF,pS,F* nr p,v diffic	2.0'X1.4'			
pF,pL,R	1.6'X0.8'	SBb		
Cl,E,bM*17,*10 att N	2.7'X2.5'			
*14m in F,vS,R neb	1.6'			
Cl,P,IC,st L&S	7.0'	III 3 p n	50	8.6
eF,S,R	2.5'X1.0'			
	3.4'X3.2'	S(B)dm		
F,S,mE	1.4'X0.5'	S0		
F,S,R,glbM,am st				
F,cS,R,bM	5.6'X3.9'	SBa		
	90'X20'	4		
	5.0'	I 2pn:b		
vF,vL,iR,dif,2* att p	13'X12'	R		
	5.0'	III 1p :b		15.0
cF,cL,vIE,vglbM,3st p	3.4'X3.0'	SBb		
eF,vS,IE,6907 p				
	7.0'	IV 2pn:b		
	16.0'	IV 2 p n	8	
	10'X4'	6 K		
	7.0'	IV 3pn:b		
vF,2*14,15 np,*8F	1.6'	SBc		
vF,S,att to a S*	1.6'X1.1'			
pB,S,R	1.4'X1.0'			
pB,pL,gbM,2*10 nr	2.3'X1.2'	E6		
	10'X1'	5		
F,S,E	1.1'X0.2'	Sa		
		IV 3mn:b		
	12.0'	IV 2 p n	15	
vF,pL,R	1.2'			
	10'X10'	R		
Cl,pL,eRi,pCM,*11..16	8.0'	I 1 m	80	11.9
	44"X40"	4		18.6

Sheet1

pF,cS,R,gbM,bet 2st	2.5'	Sb			
eF,pS,R,vgvlbM	1.7'X1.2'				
vF,*12 att sp	0.9'X0.7'				
	168"X147"	3b		18.9	
	0.3'X0.1'	E6			
eF,IE	0.4'X0.2'	SO			
pB,pL,mE	2.2'X0.6'	SBb			
F,mE	1.2'X0.5'	SBb			
vF,pL,E176,p of 2	2.1'X1.4'	SBcp			
vF,pS,R,sbMN	2.0'X1.7'				
vF,vS,sf of 2	0.7'	SOp			
pB,vS,6934 f					
eF,pS,E120,gbM	1'X0.25'				
	9'X7'	E			
B,L,R,rrr,*16...	2'	8			
cB,L,mE6,pslbM	4.1'X1.6'	Sb			
	30'X20'	E			
Cl,vB,vL,vRi,cC	31.0'	III 2 m	60	9.3	
Cl,vL,P,vIC					
vF,vL,vg,vsbM,rr	14'	Sc			
eF,pS,iR	1.7'				
	5.0'	II 1pn:b		14.0	
vF,vS,R,sIBM	1.9'X1.0'				
	<10"				
eF,IE,lbM					
pB,pL,IE	4'X3.6'	Sbp			
pB,oval,dif,*15 nr f					
eeF,pL,R,v diffic					
	1.0'X0.7'	SBbp			
pF,S,R	1.5'X0.6'	SO			
pB,cL,R,glbM,r,p of 2	2'	S(B)a			
vF,cS,R,sIBM,f of 2	3'	SBb			
pF,vS,R,mbM	0.9'				
		3			
pB,pL,R,pslbM	2.6'X1.9'	SBO			
vF,L,R,gbM	1.7'X1.0'				
Cl,P,vIC					
	50.0'	III 3 p	20	08.0	
F,S,R,gbM,5st p					
		III 2p :b			
vF,pS,cE,lbM					
vF,S,stell,** att	1.7'	SBb			
pB,cS,R,psmbM					
F,S,vIE	0.9'X0.5'	Sb			
	5.0'	IV 1p :b		14.0	
	1.5'				
eF,pL,R					
pF,L,mE,vglbM vS*	4.1'X2.1'	S(B)c			
vF,S,R	0.7'X0.7'				
	9.0'	III 2 p	30	11.0	

Sheet1

pB,cL,eIF,Kappa Cyg invl eF,vS,iR	70'X6'	E		
	2.2'X1.1'	IBm		
vF	0.5'X0.25'			
eF,vS	0.4'			
F,vS,R,bM,*14 sf 0.5'	1.6'	E4p		
cF,S,R,bM	3'X2.3'	S(B)b		
eF,vS				
neb *13m	0.5'	E1		
vF,vS	1'X0.7'			
eF,vS,*10f50"	1.0'X0.7'			
F,pL,E	1.1'X0.3'			
F,S,R,gbM,F* inv	1.4'X1.1'			
B,cS,R,pgmbM,4*p	2.4'	E1		
	3'	6 C		
	3'	5 C		
vF,S,R	1.2'X1'			
F,S,R	1.1'X0.5'	Sa		
13"-eF,pL,irR,3* invol at 135X, UHC helps	134"X121"	3b	16.1	
	60'X3'	5 lr		
neb *,neby cE pf				
vF	80'X30'	E		
F,dif	80'X70'	E		
vF,S,IE,sev F* f nr				
	13.0'	IV 1 p	12	
pB,S,IE,gbM	1.2'	SBa		
bM	2.1'X1.4'	SA0		
F,L,eE 140 deg	4.0'X0.5'	Sc?		
vF,S,resolvable				
vF,S,(=6976)				
eF,iR	1.3'X1.1'	SABbc		
vF,S,iR	1.2'X0.9'			
vF	2'X1'			
vF,S,resolvable				
		IV 2p :a		
pB,pL,R,gmCM,rrr	5.9'	9		
	20.0'	III 2 m	12	
Cl,cL,st sp				
eF,pL,R				
vF,vL,IE ns,st inv	9'X6'	R		
Possibly conn w NGC 6995	25'X20'	E		
vF,vS,R,glbMN	1.0'X0.6'			
eF,eL,eE,eIF,Bifid	60'X8'	E		
Cl,P,IC	7.0'	III 2 p n	40	
Cl,P,IC,st L				
	80"X67"	4	20.5	
Cl,L,P,vIC				
	12.0'	II 3 p	40	16.0

Sheet1

eF,cS,R	150'	4		
F,eL,neb&st in groups	0.8'X0.6'			
	12'	E		
	20'X10'	5 Ir		
	3.4'X1.0'	Sdm		
vF,S,E,p of 2	1.1'X0.6'			
F,pL,vIE,vgbM,f of 2	1.7'X1.2'	SBC		
pF,S,vIE,gpmbM,B*p1'	1.4'X1.2'			
F,eeL,dif nebulosity	120'X100'	E		
Cl,eP,vIC,No neb	2.8'	IV 1 p	:b 4	10.0
vF,vS,R,sbMN				
eeF,vS,vmE0,*13 att n				
	4.0'	IV 1pn:b		
*7 in eF,eL,neby	5.0'	n		
cB,L,E45,r,** att	86"X69"	3		13.2
vF,vS,IE,*15 close f	1.1'X0.7'			
eF,S,E0	1.3'X1.0'			
B,pL,R,gbM	2.8'	1		
eeF,vS	0.8'X0.7'			
Cl,no description				
Cl,S,P,(neb)				
eeF,vS	0.9'X0.7'			
	27"X18"			12.3
	5.0'	I 2m	:b	17.0
	14.0'	III 2 p n		20
pB,cS,R,psbM,pB* np	5.2'X1.6'			
cF,cS,R,bM	1.5'X1.2'			
eF,R,lbM,*11f	1.3'X0.6'			
!!! vB,S,elliptic	28"X23"	4(6)		12.0
eF,pL,R,r	1.9'X1.0'			
pB,S,R,psbM,am st	1.9'X1.2'			
vF,pS,glbM	1.8'X1.7'			
Cl,P,IC,st10...				
pB,biN	25"X9"	3a		14.0
vF,vS,R,sbMN				
F,pL,E,vgvlbM,*p				
eB,S	18"X11"	3a		11.3
Cl of triple st,IC	5.0'	IV 1 p		50 11.3
vF,eS,R,bMN,1st of 3				
eF,vS,R,bMN,2nd of 3				
vF,vS,vIE,glbM,3rd of 3				
vF,vS,R,stell	2.3'X1.5'			
pF,S,R,bM,2*12n	1.9'X1.9'			
vF,S,vIE				
	18.0'	II 2 p n		35
eeF,S,R,B*** sf	1.5'X1.1'			
vF,S,R	0.7'X0.5'			
vF,vS,R	1.0'X0.6'			

Sheet1

Cl,IC	7.0'	III 2p :b		
Cl,pRi,iF,st11...15				
eF,S,iR				
Cl,vL,pRi,E,st 10...	25.0'	III 2 p	50	11.3
vF,vS,iR,bMN	0.9'X0.7'			
pF,cS,R,psbM,*7.8p	4.3'X2.3'			
pB,cS,IE,pgbM	5.0'	II 1p :b		16.0
	100'	E		
B,cS,R,pgmbM	1.4'X0.8'			
S,F,small cluster invl,st 13 mag	4.0'	I 1 m	40	12.1
	10.0'			
Cl,vF,pL,vRi,vC,st 15...18	3.5'	II 2 R		15.0
	17'	4 C G		
eF,vL,mE ns	1.1'X0.8'			
vF,S,R	2.1'X1.8'			
	44"X29"	3a		19.1
vF,S,R	1.1'X0.8'			
	15'X3'	5 lr		
eF				
eF,pL,R,lbM	1.8'X1.5'			
pF,pL,dif,iR,vlbM	60"X50"	3b		18.0
Cl,no description				
pB,pL,IE,gbM	3.0'X1.9'			
vF,cS,R,glbM	6.0'			
eF,vS,biN,pf	1.2'X0.6'			
B,cS,cE,psmbM,*10f	3.9'X1.5'			
13"-vF,L,irR,nBM at 100X; UHC filter helps	871"X791"	2		17.1
	5.0'	III 1m:b		14.0
	16'X13'	R		
	7.0'	II 1m:b		16.0
F,S,vIE,r	2.5'X1.4'			
vB,pS,E,mbM	2.8'X2.2'			
	7"	2a		12.2
Cl,F,pS,P				
vF,R,gbM,** nr	1.1'X1.0'			
vF,vS,R,F* inv				
Cl,P,IC				
pB,S,vIE	1.6'X1.5'			
	12.0'	II 3pn:b		
pF,S,R	1.0'X1.0'			
	11"			
Cl,pS,pRi,pC,st13...	7.0'	III 1 p	30	10.1
	15'X8'	5 E G		

Sheet1

Cl,P,(neb)	3.0'	II 2 p	20	11.2
Cl,P,st10...	8.0'	III 2 p	12	8.9
vF,vS,R,st n & s	2.5'X1.5'			
eF,vS,R,p of 2	1.4'X1.0'			
	4.0'	III 1p :b		15.0
vF,er	2'	E		
vF,pS,R,f of 2	1.7'X0.9'			
eeF,close sf of M of 3 F st	1.1'X1.1'			
	67"X47"	3b		17.2
Cl,S,C,cE				
vF,close to a S*				
vF,sbM	1.4'X1.3'			
	1.7'X1.6'			
eeF,vS,R				
B,pL,IC,gpmbM	3.2'X1.8'			
	10"			
vF,S,R,stell	1.3'X0.9'			
eF,pL,vmE91,*s	4.1'X0.7'			
Cl,L,cRi,,IC,st10..13	25.0'	IV 2 p		9.9
vF,S,E				
vF,vS,iR	0.8'X0.7'			
F	0.6'X0.6'			
!,vB,vL,iR,vsmbM,rrr,st vS	12.3'	4		
vF,S,vIE	1.8'X1.8'			
	6.1"	2		
	13"			
Cl,cL,vRi,pC,*11..16	9.0'	II 2 m	50	10.2
F,cL,IE,gvlbM,p of 2	2.1'X1.9'			
F,S,R,gvlbM,f of 2	0.8'X0.7'			
	0.9'X0.6'			
	19"			19.5
F,S,R,mbM,*14s	1.1'X1.1'			
cF,cS,R,pgbM	1.2'X0.9'			
Cl,IC				
	1.7'X1.0'			
	2.5"			
Cl,vL,P,vIC,*7...10	32.0'	III 2 p	30	6.8
	67"X50"	3a(3)		16.3
eF,S,E				
vS,F,Stellar	2"	2		16.7
B,R,cS,psbM	2.8'X1.7'			
	10"X7"	2		13.3
eF,eL,dif,E pf,n of M2				
!!B,vL,gpmbM,rrr,st eS	12.9'	2		
	40'	5 lr		
	4'	4 C G		
eF,pL,vgbM,*6f40"	2.1'X1.7'			
cF,S,R,gbM	1.1'X0.6'			
Cl,P,IC				

Sheet1

	22'X3'	4 S		
	113"X88"	4		13.3
pF,cL,vIE,vgpmbM,r	4.5'X2.9'			
pB,pL,vmE127,g,pslbM	7.1'X1.4'			
* in eeF neby,v diffic	99"X91"	4		13.6
	38"X27"	4		14.4
	1'	R		
	8'X8'	R		
	30'X15'	4 lr		
F,pL,R,vglbM,*13 inv	2.8'X2.7'	SB		
	10"X8"			
	50.0'	II 3 m	30	7.8
F,eL neby,incl Struve 2816	50.0'	II 3 m n	50	3.8
	8.4"X5.7"	2		
vF,r				
F,vS,R,stell				
F,pL,R	1.7'X0.9'			
vF,vS,R,gbM,1st of 2	1.3'X1.2'			
vF,vS,iR,gbMN,2nd of 2				
	13'X3'	6 Co G		
B,S,vIE,mbM	1.9'X1.3'			
!,B,L,IE,gpmbM,st 12...16	11.0'	5		
F,vS,E130,smbMN,* np				
	0.8'X0.4'			
	13'X2'	4 lr		
!,cF,pL,gbM***	2.7'	IV 2 p n:b	10	11.5
vF,S,R,vS** nf	2.7'X2.3'			
nebulosity var*				
eF,eS,R,bM	0.5'X0.3'			
eF,vS,am st	0.8'X0.8'			
	4'	4 lr G		
F,S,R,bM	1.3'X0.6'			
eeF,S,R,pB* close p	1.2'X0.4'			
vF,S,stell	0.9'X0.9'			
vF,S,R,stell				
vF,cL,R,vglbM	1.9'X1.8'			
vF,pL,mE	1.1'X0.4'			
vF,pL	3'	R		
eF,cS,IE,vglbM				
		1		
vF,pS,mE90,com,2*inv	1.7'X0.4'			
	9'	R		
Cl,S,P,IC	2.8'	IV 2 p	12	
Cl,S,pRi,has a ruby *9.5	3.1'	II 3 m	35	11.5
	3'	5 lr G		
vF,S,vIE	0.7'X0.3'			
vF,vS,R,vlbM	1.1'X0.5'			

Sheet1

nebulous * 10-11 or vS Cl		III 1p :b		
F,S,R,glbM,p of 2	1.4'X0.9'			
vF,cS,R,r	86"X70"	3b		18.1
Cl,cL,cRi,,pC,*11..14	4.3'	II 2 r	100	12.1
F,S,R,glbM,f of 2	1.5'X1.2'			
F,S,R,gbM	1.1'X0.6'			
	0.6'X0.3'			
	12'X6'	5 K G		
	2.9'	12		
pF,R,g,psmbM,am st	4.1'X2.6'			
vF,pL,IE,bet 2*				
vF,vS,R	1.6'X1.4'			
vF,S,vIE,vgbM	0.35'X0.25'			
pB,L,pmE,vgbM	2.7'X1.2'			
F,pS,R,vglbM,r	1.6'X1.3'			
pB,S,R,glbM	1.5'X1.4'			
vF,D*?(inv in neb?)				
pF,vS,*11n				
vF,vS,stell	1.1'X0.5'			
pB,pS,IE,gbM,nf of 2	2.3'X1.1'			
eF,pL,R,sp of 2	3.2'X2.1'			
eF,vS,R,neb?,*9.5 f 2'				
pB,pL,R,vgbM,*14 att p	2.8'X2.0'			
neb,no description				
pB,S,R,vgbM,*9f				
F,R	0.9'X0.6'			
F,S,IE	1.0'X0.9'			
vF,vS,R				
vF,vS,R	1.2'X0.9'			
F,L,R,gpsmbM,(=7140)	4.2'X3.0'			
pF,cS,R,bM				
vB,pS,R,mbMN	3.5'X3.5'			
	100'	5 lr		
B,S,R,in triangle of st 13	2.5'X2.3'			
F,L,iR,*9.5 m invl,br + drk masses invl	9.0'	IV 2 p n	20	9.6
Cl,P,vIC	7.0'	II 3 p	12	07.0
eeF,vS	1.2'X0.6'			
eF,S,E or has eF st nr	1.9'X0.3'			
F,pL,R,bM,r	1.6'X1.4'			
vF,pL,IE,vgbM,r	3.0'X1.2'			
B,pL,iR,glbM,r	2.1'X1.6'			
pB,S,IE,mbM	1.9'X1.2'			
eeF,eS,R,vF* sf inv				
eF,R,4 vF st n	0.9'X0.6'			
vF,vS,R,sbMN,B D* p8"	1.1'X0.5'			
Cl,vS,st19,bet 2*16				
	4.0'	IV 1p :b		16.0
vF neb *,*9.5 nf 3'				

Sheet1

	4.5"X3.4"	2		
Cl,vL,pRi,IC				
	80'	5 lr		
F,pL,vIE,vglbM	1.8'X1.2'			
eF,bM *13	0.8'X0.8'			
pB,L,IE,* att,annular	120"	4		16.5
cF,cL,cE,glbM	2.8'X1.1'			
F,pS,R,vglbM,*10 f	1.7'X1.3'			
pB,pS,R,bMN,r,* sp	3.3'X2.0'			
	2.4'X2.1'			
cB,S,vIE,smbMN	2.4'X0.9'			
vF,am 5 or 6 st				
vF,cL,E124,vgbM	2.8'X1.7'			
vF,pS,iR,bMN,D* p 36s	1.2'X0.8'			
eF,vS,stellar	0.9'X0.8'			
eF,vS,stellar	0.9'X0.4'			
pB,pL,IE,gbM,1st of 4	2.2'X1.3'	Sa		
cF,S,R,p of Dneb,3rd of 4	1.3'X0.7'			
B,pL,R,f of Dneb,4th of 4	1.3'X1.3'			
pB,S,R,psbM	2.0'X1.6'			
vF,S,R,lbM,p of 2	1.8'X0.9'			
cB,cS,R,sbM*,2nd of 4	1.3'X1.1'			
vF,pL,E90,lbM	3.8'X1.1'			
eF,S,R,*8 s 2'	1.1'X0.5'			
eeF,pS,R,bet 2 F *	1.6'X1.6'	SB pec		
pB,pL,mE64,bet 3*,er	5.8'X1.8'			
eF,S,R,*8 np				
F,cL,cE 150 degrees, cbM	5.2'X3.2'	IRR		
F,cS,cE,vglbM,er	2.1'X1.0'			
pF,pS,R,lbM	1.4'X1.3'			
eF,vS,iR,lbM	1.1'X0.8'			
vF,pL,iR,vglbM,f of 2	2.3'X1.5'			
F,S,IE	0.9'X0.6'			
eeF,R,v diffic	0.45'X0.40'			
vF,vS,R,lbM	1.3'X0.9'			
eF,pS,E,lbM	1.6'X0.7'			
Cl,IRi,IC,st9...10				
cF,pS,vgbM	2.0'X0.8'			
Cl,L,cRi,,pC,st9...12	25.0'	III 1 p	25	09.0
eF,vS,stellar	1.5'X1.0'			
F,S,IE,bM	1.2'X1.2'			
vF,S				
cB,S,R,am st	1.9'X1.4'			
eF,S,stellar				
eF,R,bM,vf D* np				
	3.0'X0.7'	S pec		
F,R,gbM,1st of 4	1.7'X0.7'			
cF,R,stell,3rd of 4	1.9'X1.5'			
eF,S,stell,2nd of 4				

Sheet1

pB,S,R,pmbM	2.5'X2.5'			
pB,L,IE,gbM,4th of 4	1.2'X0.5'			
vF,S,IE,vgbM	1.6'X0.6'			
eF,vS,IE	1.6'X0.7'			
	130.0'	III 2 p		
pF,S,R,smbM	1.6'X1.2'			
	40'	6 lr		
	1.1'X0.9'			
B,pL,gbM,er	3.8'X3.3'			
vF,vS,R,alm planetary	0.9'X0.5'			
pB,L,cE,gpslbM	4.3'X2.2'			
vF,S,R,pslbM,*11 p 3'	1.1'X0.9'			
vF,S,E	1.0'X0.4'			
pL,iR,rr	1.9'X1.5'			
vB,pS,R,gbM	1.9'X1.8'	Sa		
eF,pS,IE,r,am 3st	2.0'X1.3'			
pB,IE,r	2.5'X1.3'			
fine cl,6 branches,st 12-15 mag	8.0'	II 1 p?	40	12.0
pB,L,in cluster	1.8'	I 1 p	25	10.8
vF,S	1.1'X1.1'			
F,S,R,gbM,r,2 vS st nr	2.2'X1.9'			
vF,vS,R,lbM,np of 2	1.3'X0.6			
eF,vS,vIE,gbM,*10 n 3'	0.9'X0.7'			
F,S,R	1.6'X1.0'			
	13'X5'	E		
F,vS,R,lbM,sf of 2	1.6'X1.2'	SBb?		
Cl,S,P,IC				
eF,S,er	2.1'X1.7'			
Cl,pC,has a ruby *10	4.0'	III 2 p	30	8.8
pF,S,R,gbM				
		III 3pn:b		
pB,S,R,2st nr	2.4'X1.6'			
pF,S,IE,bM	2.0'X1.0'			
		III 3pn:b		
	12'X6'	R		
	2.3'X0.5'			
F,pL,R,vglbM	1.8'X1.7'			
vF,S,R,bM				
	2.8'X1.0'	SA0		
vF,S,stellar	2.3'X1.3'			
vF,S,stellar	0.7'X0.7'			
eF,vS	1.0'X0.7'			
pF,S,R,mbM,4st p				
Cl,L,P,IC,st vL	21.0'	IV 2 p	40	8.5
Cl,C,st eS	5.0'	II 1 p		12.8
eF,eS,* att n,p of 2	0.5'X0.5'			
vF,S,lbM,f of 2	2.3'X1.7'			
	2.5'	I 1m:b		18.0
pB,S,pmE,psbM,p of 2	3.0'X0.9'			

Sheet1

pF,IE,*10 att s	3.5'X0.8'			
F,vS,R,*8 f,f of 2	2.2'X1.3'			
	1.9'X1.5'			
	47"X38"	2(3)		
eeF,S,R,F * nr preceeding	2.1'X1.0'	SA(rs)		
eF,eS,R,bM	0.7'X0.3'			
Cl of neb stars		II 2 m	20	11.4
vF,vS,mbM	1.8'X0.9'			
vF,S,vIE,vgbM,*13 n	0.8'X0.4'			
pF,vS,R,lbM,B D* p 13s	1.4'X0.9'			
vF,S,mE165	1.3'X0.6'			
	30'X20'	E		
	1.7'X0.7'			
vF,pE	1.8'X0.8'			
Cl,L,pRi,IC	6.0'	III 1 p	30	9.6
F,pS,R,gpmbM	2.0'X2.0'			
	13"X12"	3		
eeF,R,doubtful obj	1.1'X0.8'			
F,S,R,er	2.2'X1.8'			
	11'X6'	Sc		
F,S,R	0.8'X0.7'			
eF,L,mE30,sbMN	1.3'X0.4'			
vF,vS,R,*11 p 4.5'				
vF,pS,mE	2.2'X0.30'			
F,vS,IE				
F,vS,R,mbM	2.4'X1.9'			
	4.0'	I 1 p n	10	9.6
eF,pS,iR	1.9'X1.4'			
3F st in F neb	1.4'X0.6'			
vF,S,E,glbM,biN?	1.4'X0.6'			
eF,pL,R,vlbM	1.1'X0.9'			
eF,S,R,lbM	0.7'X0.7'			
vF,S,E	1.1'X0.6'			
vF,S,vIE				
stellar	7.5"X6"	2		14.6
eF,S,mE	1.0'X0.2'			
vS,R,mbM	0.8'X0.5'			
F,vS,R,alm stellar				
vF,vS,mbM	0.9'X0.9'			
pF,vS,mbM	1.5'X1.5'			
cB,pS,vIE,glbM,B*** sp	1.6'X1.3'			
vF,S,iR	1.0'X0.9'			
Cl,L,pRi,IC,*10...16		IV 2 p	20	
F,cS,vIE,p of 2				
eF,pS,R,glbM	0.8'X0.5'			
eF,pL,dif,bet 3*	2.6'X1.0'			
	59"X49"	4(3)		18.4
F,cS,R,gbM S*,3st n,nf	1.9'X1.3'			

Sheet1

F,cS,vIE,f of 2	1.5'X0.6'			
vF,pS,R,vglbM	1.2'X0.8'			
vF,S,R,am st	1.9'X0.7'			
Cl,iR,IC,st vS	4.0'	III 2 p	20	10.0
vF,eS,stellar	2.3'X1.5'			
pB,S,pmE	1.7'X1.0'			
eF,S,oval,F* inv	2.3'X1.8'			
Cl,P,IC,st12...13				
eeF,IE,vglbM,3 st sf				
eF,eS,R,smbM	1.3'X1.2'			
vF,vS,R	0.8'X0.4'			
cF,cS,IE,r,D* inv	2.1'X1.5'			
	5.0'	II 2p :b		15.0
neb * 1' dist from NGC 7284	2.3'X1.4'			
eF,slightly nebs D*				
vF,S,R,gbM	1.4'X1.1'			
!,pF,vL,E or biN	960"X720"	4(3)		13.5
	2.0'	I 2p :b		13.0
vF,pS,IE,lbM	1.0'X0.5'			
vF,pL,iR	1.5'X1.3'			
eF,S,R,p of 2	0.9'X0.6'			
vF,cS,E,vglbM	2.2'X1.2'			
	1.4'X1.4'	S0		
eF,S,R,f of 2	0.7'X0.6'			
vF,pS,vlbM,nf 7303?				
vF,S,R,vglbM	1.5'X1.2'			
		1		
eF,S,R,4F st around				
vF,vS,R	1.9'X1.2'			
	14.3"	3b		
F,pS,R,vsbMSN	1.9'X1.3'			
	0.6'X0.4'	Pec		
vF,S,IE,*11 p	1.7'X0.7'			
F,pL,pmE	4.2'X1.0'			
pF,S,R,psbM,r	1.8'X0.9'			
vF,pL,R,glbM,r	2.1'X2.0'			
pB,vS,R	1.0'X0.8'			
F,S	1.7'X1.0'			
	161"X114"	4		19.7
vF,pS,R,bMN	0.9'X0.7'			
vF,eS,R,bM	1.6'X1.6'			
eF,E	0.7'X0.5'			
cF,L,mE0,vlbM	4.6'X2.3'			
F,S,R,*8 sp	1.1'X0.9'			
vF,vS	0.7'X0.5'			
	1.9'X1.2'			
eF,eS	1.7'X1.2'			
F,vS	1.9'X1.0'			
eF,eS	1.6'X1.2'			

Sheet1

F,S,iR,vgvlbM	0.4' 1.7'X1.0'			
pF,pL,iR	1.3'X1.1'			
F,vS,7331f				
eF,eS,7331f				
eF,eS,np 7331				
pB,S,IE,bM	1.8'X1.7'			
vF,vS,neb*	0.8'X0.4'			
B,pL,pmE163,smbM	11.4'X4.0'			
vF,vS,p 7335				
eF,vS				
vF,vS	1.4'X0.6'			
cB,S,mE156,smbMN,p of 2	3.6'X0.9'	E7		
eF,S,stellar	1.2'X1.0'			
eF,pS,IE90,vglbM	2.1'X0.7'			
eF,eS,sf 7335				
vF,vS	0.9'X0.6'			
vF,S,vIE,gbM	0.9'X0.6'			
F,pS,mE89,vglbM,f of 2	2.8'X0.8'			
eF,vS	1.5'X1.4'			
eF,vS,R,lbM,S* inv	1.0'X0.8'			
eF,vS	1.2'X0.2'			
eeF,(=7322)				
pF,pS,E,lbM	2.4'X1.0'			
eF,vS,stellar	0.4'X0.3'			
eF				
	6.0'	III 1 p	12	11.0
Cl,vL,pRi,vIC				
pF,vS,R	1.5'X0.8'			
eF,pL,E	1.7'X0.35'			
	3.0'	III 1p :b		
B,S,R,pgvlbM	22"X18"	4(3b)		16.5
pB,pS,mE90	4.2'X2.8'			
vF,pL,iR	1.3'X0.7'			
vF				
pF,pS,R,bM,r	1.8'X1.3'			
pF,pL,R, F * sf	3.2'X2.5'	SB(r)		
eF,pS,R,glbM,* att	1.1'X0.5'			
F,pL,vmE0,vgvlbM	3.5'X1.0'			
vF,vS,vF * inv	1.8'X0.7'			
vF,S,* 7 mag 4' foll	34"	4		16.4
pF,pL,E,D*f	1.1'X1.0'			
eeF,S,R,D* f 40s				
eF,vS	0.7'X0.3'			
	6.0'	III 2m :b		15.0
vF,S,R,lbM	1.2'X0.8'			
eF,S,stellar				

Sheet1

pF,bet 2F*	0.9'X0.9'			
F,S,R,psbM	1.7'X1.2'			
vF,pS,IE	1.6'X0.4'			
pF,vS,pmE,bMN	2.3'X0.6'			
vF,eS,R,gbMN,*11 nf 4'	1.5'X1.0'			
	3.4'X1.8'	S(B)dm		
eF,vS,E175,bi-N,BN	1.0'X0.5'			
eF,vS				
F,cS,IE,glbM	3.0'X0.5'			
F,S,iR	1.0'X0.9'			
F,S,R,bM	1.9'X0.5'			
vF,pL,R				
vF,pL,R,lbM	2.1'X2.0'			
F,vS,bM,stellar	1.2'X0.4'			
eF,vS,R				
Cl,pL,pRi,IC,*9...13	12.0'	III 3 p n	40	8.6
eF,vS,R	0.7'X0.4'			
eF,S,R,lbM	1.2'X0.9'			
pB,S,vIE,vgmbM,*12p	2.2'X1.8'			
vF,pL	1.3'X0.7'			
vF,vS,R,7385 nf	0.8'X0.7'			
eF,5' nf 7383				
cF,S,R,glbM,*11 np	1.3'X1.1'			
cF,S,R,pgbM,f of 2	1.8'X1.5'			
	2.3'X0.7'	Sd		
eF,vS,R,gbM	0.7'X0.4'			
vF,*11 f 2.5'				
eF,s of 7389	0.8'X0.5'			
vF,R	0.9'X0.5'			
eF,vS,R,2 st 11 s	0.5'X0.4'			
eF,vS,R,*12 att np	1.2'X0.3'			
Cl,vP				
cF,cS,R,sbM *13,*np	1.8'X1.7'			
eF,vS,R,bM	1.2'X1.1'			
vF,pL,IE,vgbM,r	2.0'X1.0'			
pB,pS,IE120,mbM	2.0'X1.3'			
pF,pS,R,gbM	1.8'X1.0'			
eF,pL	0.8'X0.25'			
eF,S,R				
eF,vS	0.8'X0.4'			
vF,pL	1.2'X0.8'			
	4.0'	II 2p :b		12.0
eF,vS	0.7'X0.5'			
eF,vS				
* slightly nebulous				
eF,vS	2.1'X1.0'			
eF	0.5'X0.4'			
F,S,IE				

Sheet1

Cl,pRi,cC	2.0'	II 3 r	40	10.0
vF,S,R	1.5'X0.9'			
pF,IE,glbM,vS * inv				
vF,vS	1.0'X0.9'			
eF	1.1'X0.15'			
	3.0'	II 3 m	40	11.0
cB,L,vmE43,mbM	5.5'X2.0'			
eeF,pS,R,v diffic,s of 2				
eeF,S,R,v diffic,n of 2				
vF,pL,iF,er				
vF,S	0.8'X0.6'			
F,pL,pmE,vgbM	3.4'X1.2'			
eF,vL,*7 nf	4.0'X3.1'			
Cl,P,pC,*9...11		III 2 p	15	11.0
pB,pS,R,vglbM	1.5'X1.2'			
vF,cS,R,stellar,D* p	1.7'X1.4'			
	5.0'	II 2m :b		15.0
vF,pS,vIE	0.9'X0.7'			
	8"	2		
cB,vL,vIE,vglbM	3.3'X2.8'			
	3.7'X1.8'			
	50'X30'	E		
	3.5'X0.5'			
	2.2'X1.1'			
cB,L,vIE,gpmbM,rr				
F,S,*9 sf 4'				
F,pS,com,N=12 m	3.4'X2.5'	E3		
pB,S,R,mbM	5'X4'	SA(s)		
F,vS,R,bM	2.5'X1.3'			
eF,vIE,*10 p 4'	0.7'X0.4'			
F,cL,vIE,vgmbM	7.6'X6.8'			
eF,vS				
Cl,vL,E				
vF,pS,mE,spindle shaped	1.3'X0.5'	SO		
eF,vS				
pB,cS,R,gpmbM	1.9'X1.3'			
eF,s of 7436	1.5'X0.7'			
eF,S,R	1.5'X1.0'			
eF,vS,p 7436				
F,pS,F* att p,gbM				
pF,pS,mE 145 deg,cbM	2.0'X0.8'	SO?		
eeF,L,R,F* nr nf,v diffic	1.8'X1.8'			
vF,vS,R,stellar				
eF,S,iR	1.7'X1.7'			
long patch of F neby	1.3'X0.7'			
	3.5'X0.3'	Sdm		
vF,cL,IE,4 stars preceeding	2.9'X2.1'	SB(rs)		
pF,R,bet 2 st 16,*13 nf	1.0'X1.0'			
eF,vS	0.7'X0.2'			

Sheet1

vF,pS,iR,*10 p	1.2'X1.2'	
eF,vS,R,r	0.9'X0.9'	
vF,S,R,vS* in centre	1.0'X0.8'	
pB,L,E173,vgbM,*11 f 2.5'	2.7'X1.1'	
F,vS,vIE,smbM,er,n of 2	1.8'X0.8'	
F,vS,vIE,smbM,er,s of 2	2.0'X0.9'	
pF,pL,*10-11 sp 2'	1.1'X0.5'	
*11.12 in neb		
eF,pS,cE,F* close p		
vF,S	1.6'X1.6'	
cB,cL,IE,gmbM,r,2 S st n	4.0'X2.4'	
eeF,pL,R,v diffic		
F,cS,IE,lbM,*11 p 1'	1.8'X1.5'	
B,vS,*11 close np		
cF,cS,psbM	1.1'X0.9'	
eeF,pL,R,* nr		
vF,vS,alm stellar	0.8'X0.8'	
eF,pL,R	1.1'X1.0'	
vF,vS,E,sf 7463	0.5'X0.5'	
vF,S,IE,p of 2	3.2'X0.6'	
vF,vS,f of 2	1.2'X0.7'	
eF,eS,bM	1.6'X0.5'	
vF,L,mE34,vglbM	5.9'X1.8'	
eF,vS	0.4'X0.3'	
cF,pS,vmE5,*11 np	3.7'X0.6'	
eF,vS	0.9'X0.6'	
F neb *,(=7477)		
vF,S,R	1.1'X0.5'	
eF,vS,IE85,sbM,3 st 10 p 20s		
eF,vS	0.3'X0.3'	
vF,S	1.5'X0.9'	
vF,vS,vsmbM *12	1.6'X1.1'	
eF,pL,R,glbM,*11 np		
F,S,bM*15,*17 att,n = 7482		
eF,E		
pB,cL,mE12,bet 2 st	4.4'X3.4'	SBb
vF,vS,*N on n edge	15'X1'	E
F,S,R,triangle w 2 st 7m	1.4'X1.0'	
vF,vS,vIE,vgbM	1.5'X0.3'	
	3.0'X1.1'	Sm
F,vS,stellar	0.6'X0.4'	
vF,vS,R,gbM		
vF,S,E,psbM	1.6'X0.9'	
vF,S,R,bM,*10 p	1.2'X0.6'	
vF,vS,2' f 7485		
	1.8'	12
vF,S,R	2.0'X1.8'	
pB,S,R,lbM,*8-9 att s	1.8'X1.7'	

Sheet1

F,S,R	2.2'X1.1'			
vF,vS,iR,lbM	3.0'X2.8'			
vF,vS,stellar	0.6'X0.5'			
vF,S,R,vlbM	0.8'X0.5'			
13"-pF,pS,nC; 12* at 165X	7.0'	ll 2 m	25	10.4
eF,L,bet 2D st	6.2'	12		
vF,stellar				
eF,vS,stellar				
eF,S,IE,*9 nf nr	2.0'X1.8'			
vF,L,pmE,lbM	4.4'X1.5'			
	2.1'X0.8'			
vF,S,iR				
pB,cL,IE,vgbM *13	3.5'X2.8'			
vF,vS,stellar	1.1'X0.6'			
eF	0.8'X0.6'			
eF,vS,R	2.1'X1.1'			
vF,S,stellar				
vF,S,stellar	0.8'X0.7'			
eF,vS,E290,(F D*)				
eeF,eS,IE,bet a B & 2F st				
Cl,pRi,pC,fan-sh,*pB	4.0'	ll 2 m n	60	9.7
cF,vS,R,sbM*15	1.7'X1.1'			
eF,bM*,*11 np 2'	1.1'X0.3'			
pB,cS,R,psvmbM,*10 np	2.6'X2.6'			
F,S,R,vS* in centre	1.8'X1.5'			
vF,S,R,bet 2 st				
eF,pL,iR	1.6'X1.0'			
	1.5'X1.2'			
eeF,S,R,sev st nf	1.1'X0.5'			
vF,pL	1.4'X1.0'			
F,vS,stellar	1.1'X0.9'			
F,cS,R,vglbM,r	1.7'X1.4'			
vF,S,R	1.5'X1.4'			
	3.6'X0.5'	Sc		
vF,pL,E,gbM	3.2'X2.6'			
vF,vS,stellar	0.6'X0.3'			
vF,vS,stellar	1.3'X0.9'			
eeF,E				
eF,vS,vIE,gbM				
vF,pS,psbM	0.6'X0.5'			
F,pS,bet 2 st				
eF,vS				
eF,vS,iR,*10 nff 3'				
eF,vS				
vF	1.1'X1.0'			
	1.7'X0.6'			
vF,L,2pB* inv	10'X5'	E		
F,S				

Sheet1

eeF,pS,R,am 6 st,s of 2	2.2'X0.8'			
eeF,pS,R,v diffic,n of 2	1.7'X1.7'			
eF,vS,alm stellar				
F,S,R,psbM	1.5'X1.2'			
F,S,R				
vF,vS,IE	1.8'X0.7'			
F,vS,stellar				
eF,vS,IE	1.0'X0.6'			
vF,cS,R,bM,sp of 2	2.1'X0.5'			
neb *13m				
vF,S,R,lbM	1.2'X1.0'			
B,L,mE97,mbM,nf of 2	3.4'X1.1'			
eF,eS,stellar				
pB,S,IE,pgbM	3.5'X1.5'			
vF,S,iR	1.1'X0.5'			
eF,vS				
vF,vS,*16 p 11s	1.0'X0.8'			
eF,S,IE	1.1'X0.8'			
cF,S,R	1.4'X1.4'			
vF,vS,R				
pF,pS,R,*10-11 p	2.8'X0.7'			
	5.0'	l 2 p n	5	9.8
F,S,vIE,vgvlbM,*10 att	1.1'X0.7'			
vF,eS,stellar N				
F,R,bM,place very rough				
eeF,neb *13m	0.4'X0.4'			
vF,vS,p of 2	0.8'X0.6'			
eF,eS,alm stell,7556 f				
F,cS,R,bM *16,np of 2	1.3'X1.2'			
cF,pL,R,B** f	2.5'X1.6'			
F,vS,iR,sp of 2				
F,vS,iR,nf of 2				
cB,pS,iR,psbM	2.1'X1.6'			
pF,cS,R,sbM *16,sf of 2	2.1'X0.9'			
	1.7'X0.4'			
	60'X50'	E		
eeF,vS,E	1.0'X0.25'			
eF,pL,iR,sev st inv	1.0'X0.6'			
vF				
eF,S,iR,b np,*10 p 4'	1.3'X1.1'			
B,S,mE90,vsbM *13	3.5'X2.5'			
vF,pS,E,er,3 F st inv	1.3'X0.7'			
vF,S,R,3 F st sf				
eF,eS	1.6'X0.8'			
eeF,alm stellar				
pF,S,E,rr				
vF,am vS st	1.8'X1.2'			
	1.0'X1.0'			

Sheet1

vF,cE,sev knots or gr of neb	
vF,pS,IE0,lbMN	
F,S,vIE	
*13.5 in vF neb	
F,S,smbM	1.5'X1.2'
vF,pS,R,F* sp	0.8'X0.6'
eF,vS,alm stellar	
eF,vS,stellar	
vF,mE,*12-13 close f	
eF,eS	
vF,vS	0.7'X0.7'
eF,vS,bM	0.3'X0.2'
eF,vS,stellar	0.4'X0.4'
vF,vS,IE,gbM	1.2'X0.25'
F,S,R	1.0'X0.5'
pB,pS,iR,gbM	2.3'X1.9'
pF,R,3 st p	0.7'X0.3'
eF,vS	1.1'X0.7'
pF,S,R,vgbM	1.9'X0.8'
eF,vS	1.4'X1.1'
pB,L,pmE,gbM	4.6'X2.2'
F,stellar	
eF,vS,gbM	0.9'X0.9'
eF,eS,stellar	
pB,dif	1.3'X1.0'
eF,eS,stellar	0.5'X0.5'
vF,S,R,glbM	
cF,S,R,psmbM	2.4'X1.1'
pB,pL,pmE,gbM,p of 2	2.7'X1.1'
F,vS,stellar	1.4'X0.9'
vF,S,R,*16 nf 1/2'	
pF,cL,pmE0	5.8'X2.6'
vF,pS,IE,lbM	1.5'X0.4'
F,pL,pmE,gbM,f of 2	4.4'X1.5'
vF,vS,gbM	1.3'X1.1'
pF,dif	
F,S,R,triangle w 2 st 19 n	1.2'X0.6'
F,S,dif	2.7'X2.2'
pB,vS,R,bM	1.5'X0.7'
F,S,R,gbM	1.2'X1.0'
vF	
eF,cS	1.0'X0.5'
vF,nf of 2	
F,S,vIE	1.3'X1.2'
eF,vS	0.7'X0.5'
cB,pS,R,psbM	2.8'X2.5'
eF,vS,stellar	0.6'X0.15'
vF,IE or iR,dif,vlbM	1.0'X0.7'
F,vS,R,psbM	1.6'X1.0'

Sheet1

pB,cS,R,smbM	1.5'X1.5'			
cB,pS,R,psbM	2.4'X1.8'	E2		
vF,*8 inv l excentric	15'X8'	E		
vF,S,R,bM	1.1'X0.9'			
vF,S,mE,2st n				
vF,vS,stellar	1.0'X0.8'			
F,S	1.1'X0.4'			
vF,vS	1.8'X0.8'			
F,S,F** att	1.2'X0.9'			
cF,eS,am 5 st (doubtful)	1.2'X0.4'	SB0		
	12.0'	IV 1 p		
	6.0'	III 2r :b		14.0
cF,L,mE164,vlbM,r	11'X2.3'			
F,S,R,lbM	2.2'X1.1'			
eF,S,R,sbM	0.9'X0.6'			
2 neb,F,S				
vF,S,iR,dif,lbM	1.7'X0.5'			
2 neb,F,S				
vF,vS,bM	0.45'X0.45'			
F,pS,iR,dif,lbM	1.4'X0.8'			
	4.6"X4.5"	2		
F,vS,E90,psbM				
vF,S,R,glbM	1.4'X1.2'			
vF,pS,IE,bM	1.6'X1.0'			
vF,vS,E260,*9 n 3.6'				
eF,cL(?),p a row of st	1.1'X0.8'			
L,Ri,mCM,*9..13	13.0'	I 2 r	200	8.2
vF,pL,R	1.2'X0.8'			
vF	1.6'X1.1'			
vF,pS,IE				
eF,S,R				
vF,vS,R,bMN	1.2'X1.1'			
	1.9'X1.9'	Sdm		
vF,pS,R,gbM	1.7'X1.5'			
pF,pS,R,glbM,np of 2	1.4'X1.1'			
eF,S,R,sf of 2	1.2'X0.7'			
F,vS,psmbM,*10 p	1.1'X0.8'			
	14.0'	III 1 r	15	
!!! Planetary or annular neb,vB,pS,R,blue	17"X14"	4(3)		13.2
vF,vS,R,psbM	1.0'X0.4'			
D,both eF,S,R,4 st p				
vF,pL,R,vlbM,* nr	2.1'X1.9'			
vF,* s,2 st 11-12 p	3.3'X1.8'			
vF				
eF,R	1.4'X0.4'			
eF,vS,R,pslbM,*10 p 22s	0.7'X0.6'			
	3"			
	4.0'	IV 2p :b		16.0
vF,surround 7667				

Sheet1

vF,surround 7667				
vF,surround 7667				
eF,S,stellar	0.6'X0.6'			
eF,cL,R,vgvlbM				
pB,S,R,vsmbM,*9 p	1.4'X0.8'			
vF				
vF,S,5' s of 7671	0.8'X0.7'			
F,S,R	1.7'X1.6'			
F,cS,gbM,p of 2	1.0'X0.9'			
vF,S,R,gbM,f of 2	0.5'X0.3'			
eF,vS,stell	1.7'X1.1'			
vF,pL,vIE,lbM,am 4 st	2.5'X1.8'			
vF,S,R,lbM,r	1.6'X1.6'			
	4.6'X3.0'	Ir+		
vF,S,iR,r,** f	0.9'X0.5'			
F,S,R,gbM, * sp 1'	2.5'X2.5'	SA(s)		
pB,S,R,mbMN,stell	1.7'X1.1'			
B,S,IE,vsmbM *11	1.7'X0.9'			
eF,*14 p 13.7 sec,ln	1.1'X0.9'	SBb		
F,*13 n	2.0'X0.9'			
	4.9'X3.9'	S+		
Cl,P,IC,st 7...11	15.0'	IV 1 p	20	6.2
F,vS,stell	1.5'X0.4'			
eF,cL,R,gbM,** nr	1.9'X1.6'			
vF,vS,*11 f 1s,n 85"	1.3'X1.0'			
F,vS,dif,*11 201s,80"				
	42"X36"	3		21.0
eF,pL,triangle w 2 st 10	2.4'X1.7'			
pF,L,R,vgbM	2.8'X2.0'			
neb,*9 f 18s,73"s				
	10.0'	IV 2 p		08.0
cB,S,IE,psbM,*8 f	2.8'X1.3'			
vF,S,R, bet 2 stars	2.5'X1.6'	E5		
S neb or neb* 14	1.3'X0.9'			
eF,stell,nr 7694				
eF,pL,stellar	1.6'X0.9'			
	4.0'	II 2p :b		13.0
F,S,IE				
vF,eS,R,bMSN	1.0'X0.8'			
	5.0'	II 2p :b		
	4.0'	III 2p :b		16.0
Cl,L,P,IC,st 8,10...15				
eF,vS				
eF,vL,bM,bet 2 *,D* p 45 deg	4.0'X4.0'	Sc		
vF,S,R,mbM,*11 sp				
vF,eS,stellar	2.0'X0.4'			
eF,S,R,*9-10 p,vnr	1.2'X0.9'			
vF,vS,gbM,*14 nf 1'	2.3'X0.4'			
	1.4'X1.1'	Irp+		

Sheet1

eeF,pL	1.6'X0.3'		
eF	0.60'X0.45'		
eF,*12 p,sp of 2	1.1'X0.9'		
vF,pS,*18 close s,nf of 2	1.1'X0.9'		
pF,S,R,lbM	1.4'X0.3'		
		3	
B,cS,E,g,sbM,*8-9 p	1.9'X1.1'	SO	
F,S,R,psbM,stellar	4.0'X1.6'		
pF,vS,stellar	1.2'X0.4'		
vF	0.9'X0.8'		
13"-vF,vL,irr; only seen with UHC filter 100X	314"	3b	15.7
pB,S,R,psbM,*12 sp,*6 sf	1.8'X1.3'		
eF,pL,R	3.2'X0.4'		
F,pL,IE,gbM,*10 s	2.3'X1.8'		
F,S,IE ns,gbMN	1.1'X0.8'	E5	
pB,L,E,vgbM	4.3'X2.0'		
	1.8'X1.4'		
	20.0'	IV 2 p	08.0
	1.3'X0.8'	Irp+	
vF,S	1.0'X0.8'		
		IV 2pn:b	
eF,vS,R			
vF,S,R	1.2'X0.8'		
	1.3'X0.7'	Sa	
	4.11	1	
F,S,IE,bM,am st	1.6'X1.3'		
eeF,pS,R,v diffic	1.5'X0.5'		
pB,pL,R,mbM	2.2'X1.9'		
pF,cL,E12,vgbM	3.4'X1.5'		
cB,cL,E,gmbM,r	3.6'X2.6'		
13"-could not find, even with UHC filter	37"X31"	4	20.0
eF,pL,iR	1.4'X1.0'		
	5.0'	II 1p :a	18.0
eeF			
pB,pL,iR,mbM	4.2'X3.4'		
vF,vS,IE,*10 sp	1.0'X0.8'		
	3.0'X3.0'	Sm	
vF,S,IE,F* inv s	1.9'X0.6'		
pB,pL,E			
F,S	1.5'X1.0'		
vF,pL	1.9'X0.9'		
vF,S,vIE,*13 nf,vnr	1.3'X0.9'		
eF,eS,gbM,bet 2 st 12	1.7'X1.5'		
eF,S,R,p of 2			
eF,cS,R,f of 2			
vF,S,mbMN	1.1'X0.5'		
vF,S,lbM,stellar			
	2'X1'	E	
cF,cL,iR,D* 10-12 np 2'	4.4'X2.9'		

Sheet1

vF,n of 2	2.1'X1.5'			
cB,cS,gmbM,*12 f 72"	2.0'X1.8'			
pF,S,R,*14 sf	2.5'X2.1'			
s of 2,vnr				
eF				
vL neby,surrounds *7				
cB,S,vIE,svmbM *14	2.3'X1.8'			
eF,pS,R,* nr S	1.4'X1.1'			
vF,vS,iR	1.7'X0.6'			
13"-F,pS,R,nBM at 135X, visual size=10 arcsec	94"	3b		13.0
	4.0'	II 1p :b		15.0
vF,S,R,gmbM,* 12 f	1.6'X1.1'			
cF,pL,vIE0,lbM,*11 sf	1.7'X0.8'			
	1.0'	I 3p :a		
	54"	2c		21.0
F,S,R,gbM,er	1.6'X1.5'			
F,S,IE,p 7753	0.45'X0.2'	SBn		
cF,cL,vIE,vglbM,r	3.5'X1.8'			
	147"X114"	3b		18.5
B,cL,R,psmbM	3.7'X3.0'			
neb,5' sp 7757				
	3.5'	I 2m :b		17.0
vF,cL,vIE,vglbM,2 st 13 n	2.5'X1.8'			
vF,S,R,lbM,B* n	0.8'X0.6'			
eF,vS,iR,sbM,D* 10 nf 50s	0.7'X0.5'			
eF,vS	0.4'X0.2'			
cB,vS,R,psbM,*12 att	1.1'X1.1'			
Cl,pRI,pC,*11...15	11.0'	II 2 p	40	11.0
13"-pF,pS; 17* at 135X	2.5'	III 3 m	20	10.0
eF,vS,R,F* f				
vF,100" np 7768	0.7'X0.7'			
vF,S,IE *p 19"	1.1'X0.2'			
vF,S,85"s of 7768				
	4.11	0		
vF,S,E,* inv,*p,vnr	1.6'X1.3'			
B,pL,R,gbM	1.5'X1.0'			
pF,pS,R,mbM	1.8'X1.8'			
vF,vS,iR,s of 2	1.0'X0.9'			
pB,pL,E84,bM,n of 2	2.5'X1.2'			
F,vS,R,gbM,* 10 p 8'	1.2'X1.2'			
Cl of sc st 10m	2'	III 1 p		
eF,S,R,in centre of 3 st	1.3'X1.2'			
pF,cS,R,*13 nf nr	1.2'X1.2'			
vF,pS,IE,glbM	1.1'X0.9'			
eF,vS,IE,gbM				
13"-pB,S,sE; 15* at 135X; D* invol	2.0'	I 2 p	15	10.0
cF,S,R,psbM,stellar,1st of 4	1.1'X1.0'			
vF,vS,R,bM	1.1'X0.8'			
pF,S,R,psbM,stellar,2nd of 4	1.4'X1.0'			

Sheet1

Triple	1.4'	3		
vF,vS,R,lbM,F* inv	1.1'X0.6'			
F,S,R,3rd of 4	0.8'X0.2'			
pF,pL,IE,glbM,4th of 4	2.1'X1.3'			
pRi,C	4.0'	IV 2 p	6	
F,S,IE	1.6'X0.5'			
	11'	R		
vF,eS,lbM,r?,p of 2				
pB,pS,iR,psbM,r,* 8 p 4'.5	1.8'X1.2'			
pF,pS,IE,vF st inv,f of 2	0.6'X0.4'			
	3.0'X1.3'	S(B)dm		
vF,S,R	2.0'X0.5'			
		1		21.0
Cl,S,pRi,vC,st 10,13..	9.0'	I 2 p	20	
	2.2'X0.8'	Ir+		
Cl,vL,vRi,vmC,st 11...18	16.0'	II 1 r	300	10.7
	3.0'	II 2p :b		
				10.6
Like a comet (1850)	9.1'X6.6'			
vF,vS,?F* (d'A not found)				
eF,eS,bM				
Cl,pRi,pC	5'	III 2 p	40	10.9
vF,pS,iR	1.4'X1.3'			
Cl,vL,P,IC,st 7,10...				
eF,pS,iR,lbM	1.2'X1.0'			
pB,cS,R,gmbM	2.3'X2.0'			
In. Reg. Comp. Blk	1.0'X0.8'			
pF,S,R,sbM,*10 sp	1.4'X1.3'			
vF,vS,*16 close p	1.1'X0.2'			
F,pS,E39	2.3'X1.6'			
eF,pS,iF				
In. Reg. Vry Blk	0.4'X0.3'			

NOTES,C,70

PA 52

PA 85,Brightest in chain of 6
H III 855,contact w NGC 7806
PA 20,H III 856,disturbed PA20,contact w NGC 7805

PA 4,Appr. 50/50 Face & Edge On
PA 95
PA 80,UGC 12919
PA 15

PA 125

Portion of 2 deg arc,whole area nebulous
H III 436
PA 45,H II 227

Zeta Sculptor cluster

PA 165,Brightest in group

PA 27,interaction?
PA 145

PA 135,Equatorial dust lane,Nearly edge-on
PA 111
interaction?

PA 20,IC 5386

PA 113,comp @ 4.8',PA 24,0.6'x0.2'
PA 115

Sheet1

PA 120
PA 38,UGC and CGCG list IC 1530 1'N of this RNGC position
Typical spectrum of HII region
PA 115,compact

PA 133,UGC lists UGC 65 at this RNGC precessed pos

PA 29
PA 25,UGC 75,Arp 235
PA 111
PA 25
PA 125,UGC 74

PA 53,UGC 77
PA 155,Peculiar,disturbed,B main body 0.45x0.25
PA 30
PA 16,comp@ 3.3',PA 347,0.4x0.3,vF interacting pair

PA 140,comp@ 3.8' PA122 0.5x0.2,B * 0.3' n

PA 160,comp@ 3.3' PA 347 0.4X0.25
PA 8,UGC 89
PA 88
PA 46,A2,Nearly edge-on

PA 5
PA 100
PA 117

PA 42

PA 154,UGC 100

PA 21,p of 2,interaction,bridge? to comp 1.0' PA 83
PA 35

PA 115,p of 2,P w comp at 1.0',PA 77,0.9x0.8,dwarf

PK120+9.1, Lord Rosse saw spiral structure

PA 109

PA 15

PA 142,Loose struct,Spiral pattern dim

PA 165,NGC 51 group,in group of 6,NGC 51 the brightest
brightest in group of 6 including NGC 49 and NGC 48

PA 127,nf of 2,disturbed,UGC 122 superimp 0.9' sf ctr

PA 170

PA 108,Sculptor Galaxy Group

PA 40

PA 127

PA 155,Singular,distorted,dif chaotic spir struct

PA 5

PA 108

In compact group

In compact group

PA 0,In compact group w NGC 68 and 71

PA 15,In compact group

1' south of NGC 72,compact

PA 145

PA 32

PA 80,compact,complex nucl region

PA 150

PA 80,compact

PA 43,Compact

Mem. of Local Group,very obscured,several H II regions

Compact

Brightest in group

PA 145
PA 148
NGC 80 group, Identified as NGC 82-83 in MGC

PA 148
PA 132, Distorted, NGC 80 group

PA 48, Part of NGC 80 group
PA 75, asym uneven arms, UGC 214, Arp 65
Northern of 2

Compact

Disturbed

PA 56
X-ray source, * mags 11..., splendid cluster

PA 167, s of 2, compact
In Cas OB4

PA 77, f or 2
PA 108

PA 127
In SMC

PA 165

PA 100

PA 40, Compact

PA 73

PA 168

PA 85, NGC 128 Group, UGC 268

Sheet1

PA 110
PA 70,Connected w NGC 128 and NGC 130
PA 1,Br group w NGC 127,130,UGC 292,rectangular central mass
PA 40,Connected w NGC 127 and NGC 130
PA 63
Contains DL Cas
PA 40,UGC 301
PA 50,Nearly edge-on

PA 175,brightest in sub-group

Asterism?

PA 101
PA 45
PA 20
Brightest in sub-group

30 F*
PA 135
Rich cl in rich field,29 * in 10' X 6'

PA 25,Dwarf EI,P w NGC 185 at 58',low surface br

PA 155,Compact

PA 75
PA 118
PA 90,Spindle shape

PA 95

PA 30
PA 171
Andromeda Dwarf,Member Local Group

PA 150

PA 45,UGC 356

PA 85

PA 26
PA 88,Contact P w IC 1559

PA 152
PA 90,UGC 369
PA 12
Theta structure
PA 9
PA 113
PA 160,2 thin inner arms,mult arms in outer disk
PA 75,Brightest in group,UGC 382

PA 130
PA 23,In NGC 182 group

Not a PLNNB,reflection nebula

Compact,In group of 4
PA 35,Dwarf elliptical,NGC 396

PA 175

PA 167,Brightest of 4,UGC 401
PA 15,NGC 192 group,contact P w NGC 197
PA 30,Compact,In NGC 182 group,UGC 407
PA 5,NGC 192 group
PA 80,NGC 182 group,Several tightly wound arms,UGC 414
PA 55,Compact,In NGC 182 group,UGC 408
PA 161,In NGC 182 group,UGC 420
PA 160,In NGC 182 group
PA 148
PA 155,NGC 192 group,UGC 419
PA 85
PA 153,In NGC 182 group
Superb at high power in 10" scope

PA 30,Compact,In NGC 182 group

PA 131

PA 170,M31 Companion,UGC 426,H V 18
PA 165,F outer arms form encircling ring

A star cloud in the south end of Andromeda Galaxy

Asterism?
PA 120

UGC 436
PA 35,UGC 438
PA 170
PA 27
PA 115

PA 60
PA 44
PA 62,Peculiar
PA 155,UGC 456

2nd of 3

PA 170,M31 Triplicate,Comp to M31
PA 35,Local group,Andromeda Galaxy,nearest spiral
PA 117

W shaped

PA 160,Singular,brightest of 3
PA 175

Asterism?,compact and small

eF outer disk

Asterism?

Andromeda Dwarf,Member Local Group
A10

PA 145,Peculiar,UGC 476,Mrk 555
PA 167

PA 174
PK118-74.1,Galaxy NGC 255 15' NNE
PA 153
PA 52,Sandage-arms are more defined by dust than *
PA 137,vF outer arms

Sheet1

PA 105,amorph disc,UGC 490

PA 80,Brightest in group,UGC 491

PA 105,UGC 493

PA 140

NGC 252 group

PA 113

UGC 508

PA 105

PA 15

PA 130,UGC 519

PA 105

VV 81,Arp 140

PA 90

Lg B nucl,sev knotty massive arms,B part sharp edge,UGC 528

PA 90

PA 5,UGC 532,Mrk 558

PA 95,distorted,asym ecc nucl region,UGC 534

Nebula 35'x30' Type E

loose structured globular

PA 130

PA 45,Memb Local Group,LMC 22 deg distant

PA 75

PA 10

PA 90

PA 111,Large S-shaped,loose structured spiral

PA 164

Sheet1

PA 148
Blue plate defect
PA 175,eruptive ?,sff of 2
In SMC
Corwin=six stars,no cluster

Defect on blue POSS plate,nothing on red.
Fine spiral
PA 85
Neb patch 30' N of Gamma Cas
PA 168

PA 153,Galaxy w interacting comp@ 0.2'
PA 120

PA 70
PA 105
In SMC

PA 40,UGC 597

PA 175

PA 20

PA 95
Compact

PA 22,Mostly Face On
PA 159
PA 169
PA 137
In SMC
Fan-shaped neby 20' north foll Gamma CAS
PA 130,Coarse spiral pattern
PA 110,ESO 351-G030,Member of Local Group,large and dim
PA 105

Sheet1

PA 155

PA 35

PA 140

PA 142

PA 165

In SMC, Bright foreground star

PA 26

PA 29, Peculiar

PA 105

PA 70

In SMC, neb Henize N76

PA 5

PA 135

PA 30

PA 50, Member of Local Group

PA 52

25 F*

PA 90

PA 175

NGC 383 group, UGC 682, Arp 331

PA 0, UGC 683, Arp 331

PA 135, In NGC 383 group

PA 30, Brightest in group, 8 galaxies in chain, UGC 689, Arp 331

PA 160
PA 45
In NGC 383 group

F GALXY w star superimposed

In SMC
In Cas OB1?

Brightest glob in SMC
PA 50, Brightest of 3, UGC 700

Very Compact
PA 54
PA 20
PA 118

PA 40

PA 86
UGC 718, Beta AND sf 6'

PA 55

PA 0, UGC 730

PA 30, UGC 735
PA 55
PA 35, Double system
PA 60
PA 114
PA 100

PA 6

PA 0
PA 51

PA 140, NGC 430 group

PA 45
PA 120,patchy central region,UGC 763

PA 19,NGC 430 group
PA 155,Brightest of 3

PA 156
PA 20
PA 135

PA 20

PA 130
PA 157

PA 75
PA 6
UGC 796

PA 116
PA 72,UGC 807 Superimposed

PA 157
PA 165,Peculiar

PA 43

PA 23
Andromeda Dwarf,Member Local Group

PA 4,Double system

Phi Cas is not a member,Not incl in mag
NGC 470 group,1st of 3,UGC 848

PA 155,Brightest of 3,UGC 858
PA 153

PA 85,Brightest in multiple system
PA 102

PA 75,NGC 470 group,disturbed,UGC 864,Arp 227

Compact

PA 84,Edge-on w 3 companions
very compact

PA 47

PA 135,2 main arms split into several secondary arms,UGC 886

PA 3

PA 93

PA 15,delicate spiral pattern

PA 120

PA 58,SN 1971,v patchy chaotic spir pattern

PA 132,split arms

PA 170,in triple sub-group,UGC 920

PA 100

PA 82,IC 1686, UGC 926

PA 28

PA 82

Compact

PA 47,in very dense part of the cluster

UGC 938

PA 75,UGC 953

PA 112

PA 110

PA 116

PA 14

PA 44

PA 98

PA 140

PA 20,UGC 962,delicate multiple arms

PA 130,Strongly Peculiar,M82 type galaxy,UGC 966

Sheet1

PA 142
PA 33
PA 20,UGC 960
PA 143

PA 5
PA 68
PA 35

PA 28,Singular,UGC 982
PA 108,Peculiar,UGC 979
PA 145
PA 55
Includes NGC 541 and Minkowski's object,Arp 133
PA 40,in dense part of cluster
PA 50,many S galaxies near,10 w in 5.0',UGC 992
PA 58,In dense part of cluster
PA 160

PA 90
PA 55,double system in common halo,3C40,UGC 1007

PA 135
PA 85,double system (NGC 545) in common halo,UGC 1009

PA 34
Mostly Edge On
PA 62,UGC 1013

PA 45
PA 120,UGC 1021

PA 20

PA 110
PA 178,UGC 1036
PA 140

PA 145
PA 137

PA 36
PA 20

PA 178

Sheet1

PA 175
PA 2
PA 163,disrupted

Two parts divided by dark rift
PA 40
PA 68,vF companion on west side
Singular
PA 110

PA 140

Peculiar

PA 55
PA 0
disturbed
PA 86,nucl bulge 0.50'X0.35'
PA 58

PA 67
Dbl sys w UGC 1105 in south part of disk,Symbiotic pr

Part of NGC 598 = M33
PA 30

Part of NGC 598 = M33
in Cas OB8,incl Struve 131 6-9m 14"

E0 Galaxy,3.3' south following NGC 599
Part of NGC 598 = M33
PA 5
PA 150,sff of 2
PA 23,Local Group,Pinwheel Galaxy,H V 17

PA 172

PA 120

Emission neb in NE arm of M 33,largest H II region known
PA 130
angular
PA 94
PA 145

Sheet1

PA 155
PA 92

PA 32
Wide triple
2 10 mag * and haze of unresolved stars
PA 100
UGC 1140

PA 45,UGC 1143

PA 177
PA 25,Fine face on spiral

peculiar

PA 170

PA 167

PA 114

PA 31
PA 155
PA 31

PA 113

PA 20

PA 125,2 massive smooth arms,rare

PA 55
PA 150
PA 20

PA 70,Polarissima Australis,closest NGC to South Celestial Pole
Little Dumbbell or Cork Nebula,faintest M obj,H I 193
PA 50,distorted
PA 35
PA 39
Little Dumbbell or Cork Nebula,PK130-10.1

Sheet1

PA 56,very asymmetrical,brightest east side
PA 170,UGC 1201

PA 65,Brightest of 3
In Cas OB8?,50* mags 11..14
PA 60
30* mags 12...
PA 20,Peculiar
PA 125,Brightest in group,UGC 1223

PA 80
In Cas OB8,incl Struve 151 152 & 153
PA 30
PA 55
PA 36
PA 172
PA 150,P w NGC 672,Low surf br,distorted by NGC 672

PA 65,Brightest in group,coarse spiral
PA 0,2 B Main arms,UGC 1259

PA 172,Brightest in chain including NGC 693,NGC 706
PA 99

comp@ 2.9' PA324 0.7'x0.5'
PA 60,Thin equat dust lane,resembles M 104

PA 95
PA 78,In NGC 697 group,UGC 1280
PA 25
spp of 2
PA 38

UGC 1286

PA 68
Asterism?,group of 15 *
PA 90,NGC 672 group
PA 106,NGC 676 group

PA 95,NGC 697 group,rare,smoother than usual Sc
PA 145

Sheet1

PA 160,peculiar,NGC 697 group
PA 40

PA 105,brightest in group
PA 40,Peculiar,NGC 697 group,UGC 1315
PA 155,probable interacting system
Singular,NGC 676 group

PA 10

PA 15

Double system,Symbiotic
Includes NGC 708 and 753,rather loose and irregular
PA 117,NGC 708 group
PA 50,NGC 708 group

PA 57
PA 35,Brightest in group which incl NGC 703-4-5

PA 140

PA 45,2 smooth arms,UGC 1356
PA 85
PA 112
PA 150

PA 76

PA 117

PA 138
PA 135

PA 170,brightest of 3

PA 111

PA 45

Brightest in group,UGC 1413

PA 140
Compact
PA 10
PA 138

P w NGC 740

very Compact
PA 137,P w NGC 736

PA 25

Contact P w NGC 751,compact cores,bridge

PA 15

PA 125,P w NGC 759
Best in RFT or binocs,Ir scattered cl 70* mags 8...
PA 143
P w NGC 753
PA 90

PA 167
PA 30,sp of 2,disturbed
Brightest of 4

low surface br outside of 2.3'
Central star variable V471 Per

PA 170

PA 15
PA 165
PA 130,Several tightly coiled arms br on NW side,UGC 1466
PA 73,n of 2
PA 160,nearly edge-on spiral

PA 13
PA 150,P w NGC 777
PA 155,P w NGC 778
PA 170

Sheet1

PA 0
PA 35

Brightest of 3
PA 80

PA 130
PA 100
PA 10
PA 45, UGC 1528
PA 3, Peculiar

PA 137
PA 65, double nebula

PA 135, faint comp 3.1' PA 155

PA 150, P w NGC 797
PA 8, UGC 1554
PA 7
PA 7
PA 100, very mottled
PA 115

PA 145
PA 25, Companion superimposed
PA 77

PA 160, Peculiar

PA 27, very high surface br

PA 25, UGC 1631
PA 72
PA 53
PA 10, Peculiar
PA 70

Sheet1

PA 113
PA 85
PA 83
PA 60

PA 75

Contact P w NGC 833

PA 75
PA 145

Peculiar

PA 73
PA 117

PA 12
PA 110
PA 20

PA 135
PA 85
PA 135
PA 0
PA 60
PA 140
Same as NGC 846

PA 149

PA 20

PA 67, UGC 1718

2 deg north of Double Cluster, easy in binocs

PA 20,* 12m sf nucl 35"
PA 174
PA 38

PA 95
PA 158
PA 173
PA 92,P w IC 1785

Sheet1

PA 105,P w IC 218

PA 4,NGC 877 group,P w NGC 870 @ 1.5' PA 192 0.3'X0.3' 16m

PA 112

PA 20,NGC 877 group

PA 140,Brightest in group of NGC 870,871,876,877

PA 140

h Per,in Per OB1,Double Cluster w NGC 884

PA 82

PA 115

PA 17

NGC 894 is part of NGC 895

PA 55,UGC 1823

PA 116

chi Per,in Per OB1,Double Cluster w NGC 869

PA 22,NGC 1023 group,Lord Rosse drawing shows dark lane

PA 81

PA 75

PA 170

PA 30

PA 130,sf of 2

0.5 degrees south preceding NGC 891

very compact

PA 115

PA 157

PA 117

PA 36

PA 138

Appr. 50/50 Face & Edge On

PA 110

Brightest portion of IC 1805,vast neby incl cluster Mel 15

f of 2,3 B arms

PA 53,sp of 2,NGC 932 group

PA 115,NGC 1023 group,coarse spiral

PA 95,2nd of 3

PA 130

PA 135,Thick central bar,P w NGC 941 12' foll

PA 10,IC 1799 group

Brightest of 5

H II 489

PA 155,P w IC 1801,contact

PA 73

PA 100,NGC 932 group

PA 170,P w NGC 936

PA 10

PA 50

PA 48

PA 19

P w NGC 943

PA 35,IC 1799 group

Northern most of a P w NGC 942,RC2 indents switched

PA 20

PA 117

About 12 *

PA 19,Poss edge-on SO lens shape

PA 10,Nearly edge-on spiral

PA 145,UGC 1983

PA 65,Compact

PA 31

PA 112

PA 65,v patchy

PA 10

19* in scattered oval w compress center,invl in IC 1805 neby

In Cas OB6,cluster is Mel 15,neby eF,Irr loop 90' diam

PA 72

PA 170

PA 65

PA 0,Brightest of group

Incl D* B1314 and J. Herschel 2143,Barns-diamond dust

PA 150

PA 170

PA 5,P w NGC 974

PA 60,npp of 2,possible SN 1856

double nebula

PA 152,coarse spiral pattern w irregular dust lanes

PA 48,strongly asym spindle

P w NGC 969

PA 43

PA 120

PA 80,np of 2,contact

PA 110

PA 132

PA 133

Very obscured infrared source

In NGC 1023 group,vsBN in smooth bar,low surface br

PA 110

Sheet1

PA 30
Brightest in group

Moderately rich about 30 * to 11 mag some faint * to south
PA 10

PA 115,Dense part of clstr;comp 3.9',PA83,.5X0.12,4.9',PA67,.4X0.3

Supernova 1938A here

PA 85,In dense part of cluster
PA 2
Positn may be off,near IC 241

PA 10

in dense part of cluster
PA 124,IC 241 at 02h35m+02007
PA 40,in dense part of cluster
PA 35
PA 115
PA 20

PA 160

PA 140 comps@ 2.2',PA247,.3X0.3,2.5',PA279,.8X0.5
compact

PA 155,brtst in grp,thin circ arms,* se superimp on wisp

comp in the env at .45',PA160,.15X0.15
PA 24,high surf brtns,fragmts of spiral arms,lge nucleus
PA 97,main body 4'x1.4' patchy,ill-def'd arms SBc UGC 2137
PA 68;late Sa;comp 4.3',PA313,.6X0.3
PA 150,Nearly edge-on spiral
PA 70,In NGC 1024 group

Invl in Fornax System
PA 8,wedge-shaped,possible edge-on spiral
Invl GLOCL NGC 1049,Memb Local Grp,Brightest * = 19mag
PA 61

Sheet1

PA 5, asymmetric, B prob complex center region
Spiral arms well defined, Misidentified N1048 on Skal-Pleso
PA 40
PA 87, brtst in grp, more neb 10' E, lens shp F tuft on E tip

dbl system
PA 120

PA 105, Nearly edge-on spiral w equatorial dust lane
At least 80 true members, sev D* incl h1123 & O Struve 44

PA 110
Scattered group 12*
PA 70, Seyfert, brtst in NGC 1068 grp

PA 160, v lge nucl bulge, strong abs along edge
PA 115, in dense part of clust; NGC 1060 at 4.8

PA 75, Lies in position given as NGC 1062, very diffuse
Peculiar?
PA 40, brtst in grp, comp .8', PA354, UGC2194 @ 6.2', PA155
PA 175 UGC 2200
PA 11
NGC1023 grp; patchy main body, mult arm pattern; SN1961v
PA 15, NGC 1068 group
PA 101

Compact; UGC 2201 @ 2.2', NGC 1067 @ 1.8'
S-shaped, well def arms; UGC2201 at 1.6'; comp 2.3', PA64
PA 87

Asterism?
PA 102

PA 10

Sheet1

PA 77

PA 170

PA 58

PA 35

PA 165,spp of 2,attached at 0.5',PA68,.7X0.5

PA 165

PA 15

PA 0,In NGC1068 grp;P w NGC1090 @15' and NGC1094 @ 20'

PA 130

PA 105

PA 102,NGC 1068 grp

PA 105,comp superimposed,appears disturbed

PA 85,NGC 1068 grp,s of 2

PA 45

PA 155,south of 2

PA 35,B prob cplx nucl .35X0.35,dif asym ext;2 knotty arms

PA 100

PA 70

PA 3,CGCG lists IC1852 Mg 14.9 nearby

PA 60

PA 15

PA 140;dbl syst;comp at 3.7',PA137;early spiral

PA 27,Early spiral

comps@ 1.7',PA349,3.7',PA29

PA 10

PA 80

Neby descr: eL,vF,90' X 45'

ZWG 440.022 triple sys listed nearby

Mostly Edge On

PA 60

PA 135

PA 40,Wm Herschel's original observation (II 601)

PA 140,dbl system

PA 148,material eject from nucl,splash appearance on w side

PA 20

compact

PA 90,v ext env,large # of objects in vicinity

very compact

PA 10

PA 60

PA 110

PA 130

PA 130

17 Gal/Deg, Size = Square Degrees

PA 45,prob v early spiral,* super at 0.25 sp ctr,UGC 2446 at 8.8'

PA 115

PA 25,rrr dwarf w traces of spiral struct,bar-like core

P w NGC 1168

PA 95

PA 18,P w NGC 1166

Sheet1

PA 23,P w NGC1160 at 3.5',PA357
PA 50,several short patchy arms;P w NGC 1161

PA 70
22 Gal/Deg, Size = Square Degrees
PA 145,comp 3.8',PA332,.4X0.3,peculiar

PA 35
PA 130,Multi arm spiral

PA 28
P w NGC 1192
Brightest in small group

PA 140,strong abs p side,dif streamer (vis in red) to comp
PA 130
PA 147;comp 3.8',PA21,3.8',PA344

PA 7

PA 153,sp of 2,BN in center,Saturn-like

PA 122

Old RNGC psn blue POSS plate defect,nothing on Red plate
PA 120
PA 13

PA 65
PA 85
PA 50

PA 30,v smooth transp disc,no spiral pattern

PA 123,Singular,2 comp

PA 77

PA 155

near Algol

PA 60,comp 2.5',PA59

PA 108,Excellent face-on spiral

PA 86

PA 30

PA 5

PA 73

RA 30 greater?

PA 95,brtst in subgroup

comp 1.5',PA0

PA 140

PA 130

PA 70

*F

PA 27,B center region,e dif outside

PA 90,Br lanes w traces of dark matter

PA 117

PA 17

PA 108

PA 75

PA 159;comp 4.5',PA296,v diff;several eF companions

PA 68,May be NGC 1257

May be NGC 1259

comp 2,2',PA138,UGC 2666

PA 86,Perseus Cl;5 comp inside 5.0';may be interacting

PA 10

Perseus Cl;comp 1.4',PA196;sev other comp inside 5.0'

PA 55,asym,thin vB arms,almost circular

PA 7

Nuclear bar

PA 165,Perseus Cl;comps 2.7',PA246,4.2',PA308

Perseus Cl;* superimp close to center;NGC1268 at 1.3',PA2

PA 120,Perseus Cl in a cond around NGC 1275 (see N1267)

PA 100

PA 15,Perseus Cl

PA 3

Centered on NGC 1275,Milky Way makes ID difficult

PA 106

PA 110,Seyfert,brtst in Persus Cl,ctr obj in dense clustr

Persus Cl,sf of 2,disturbed. Comp are NGC 1275,NGC 1277

PA 40

PA 40

Sheet1

PA 25,P w N1283,Perseus Cl,2 smlr gal are comp to this Pr
PA 70,UGC 2687 at 2.7',UGC 2460 at .9',PA10, sev sF obj in vic
PA 70,compact
PA 160
PA 140

PA 95

PA 130

ssf of 2
Alpha PER moving cluster (Mag does not include Alpha PER)

PA 50,Fornax Galaxy Cluster member
PA 78,Fornax Galaxy Cluster member

PA 27
PA 77,Fornax Galaxy Cluster member
PA 56
PA 176

PA 85

PA 130

PA 55
PA 35
PA 148
IC 324
PA 22
PA 155,Several small faint obj in area
Fornax Galaxy Cluster member
Nearly edge-on

Sheet1

PA 172

PA 165,= NGC 1340

PA 132

Bright neb with many dark neb in area incl B205

Could actually be NGC 1330

PA 33

PA 115,disrupted spiral,red main body,spir arc f side

PA 165

PA 140,Fornax Galaxy Cluster member

PA 0,Fornax Galaxy Cluster member

PA 134

PA 66

PA 138

Patchy region south preceding NGC 1333

poss edgewise S,P w NGC 1358 at 6'8

PA 121

PA 139

PA 32,Best example of barred spiral,Fornax Galaxy Cluster member

PA 2

PA 12

PA 135,= NGC 1367

PA 131

PA 50

PA 91

Fornax Galaxy Cluster member

Fornax Galaxy Cluster member
PA 7,Fornax Galaxy Cluster member
PA 139,Fornax Galaxy Cluster member
PA 92
PA 179

PA 25,Fornax Galaxy Cluster member

Fornax Galaxy Cluster member

PA 30,Fornax Galaxy Cluster member
PA 165
PA 91
PA 80,heavy ringshaped nucleus,B blue neutral ring core
PA 19

Fornax Galaxy Cluster member

PA 170
PA 6
PA 65
PA 100
Fornax Galaxy Cluster member
PA 5

PA 88
PA 40,P w NGC 1407 nf
PA 130

PA 15

PA 76
PA 35

PA 131

PA 172
PA 148,IC 1983

PA 130,DbI sys,distorted;post-eruptive pair: red,patchy,halo
PA 120,blue ellipse,mp=15.4
PA 65

Sheet1

PA 10,Bar,comp w NGC 1418,B arms w knots

PA 129

PA 30,P w NGC 1417 main arms,v poor resolved

PA 76,Fornax Galaxy Cluster member

PA 118

PA 0,Nearly edge-on

PA 111

PA 20,3 main arms,some knots

PA 150,Fornax Galaxy Cluster member

Lies south preceding O PER

With faint neby,surrounds Omicron Persei,near B4

PA 41,Nearly edge-on

=NGC 1448

In LMC

PA 160,comp 3.2' PA338

Electra nebulosity

PA 28

PA 113,= NGC 1455

PA 69

PA 70,poorly resolved,in NGC 1441-53 grp,P w NGC 1449

Tempel's nebula

PA 45

Very small neb south foll Merope

May be in Local Group
Pleiades,nebys NGC 1432 and 1435 involved

PA 167
PA 36
Alcyone nebulosity

1 deg north following O PER

Lens-shaped
PA 112,P w UGC 2866 at 10' south foll

In Cam OB1?

Not a PLNNB,reflection nebula

PA 86

Could be misidentified
PA 125

PA 142
PA 165,brightest of 3

PA 80

PA 133

PA 103

PA 55,Double galaxy or collision system

PA 2

PA 140

12 stars of 9-10 mag a poor cluster

PA 12

PA 179

PA 105

PA 10

PA 125

PA 110

PA 80

PA 153

PA 98

PA 60, brightest of 4

California Nebula, 0.6 deg from Xi PER

PA 90

PA 124

PA 90, lenticular

PA 18

PA 11

PA 22

PA 36

PA 42

PA 35

PK144+6.1

PA 164

Incl Struve 484 5" sep PA 130 & Struve 485 18" 6" 11" mul*

PA 90

PA 78

PA 10

PA 76

PA 86

PK165-15.1

Sheet1

PA 151

PA 155
PA 122,P w NGC 1532
PA 33,NGC 1531 np 2',Nearly edge-on
PA 93

PA 98
PK206-40.1
PA 147

80 * mag 8...,1 deg NNW from b1 PER

PA 135,P w NGC 1553
PA 150
PA 8
PA 77
PA 128
PA 133
PA 64
PA 167,Apparently misplotted
compact

3 deg north of CI NGC 1528

PA 72

PA 30,nnp of 2,one of which is IC 366 at 3.2',PA162

Not a PLNNB,H II region Sh 2-207
PA 60
PA 110;comp 5.4',PA129;spiral

PA 35
Associated w nebula NGC 1554-5

PA 172
PA 0

Sheet1

variable vF 3
Hind's Variable Neb, associated w T Tauri

PA 17, compact core, surroundg spiral patt, broad bar, filam
PA 177
Bridge, plume; P w NGC 1568b 1.3', PA111; in grp of 3
PA 80

Stellar

Taurus moving cluster, Aldebaran not a member

Near bright nebula Sh2-239
PA 175
PA 20
PA 83

PA 30
PA 96
Lies south following B9 complex
Type R; dark lane
PA 144
PA 155; ssp of 2; comp 1.2', PA20; spiral
PA 175, compact, disturbed; P w N1587 at 1.0', PA257
PA 160, P w NGC 1587-8 @ 12.2', P w UGC 3072 @ 6.0', PA103

PA 120, dk markings, well rrr, l trace of spiral structure
twisted blue post-eruptive gal w several knots & jets

PA 15, RC1; brtst in grp; P w NGC 1601 at 1'6, NGC 1603 at 2'5

PA 107

PA 130

PA 36
PA 23,BM,no def N,F part resolved arms,low surf brtness
Narrow lanes E-W,Area contains B22-24 and B208-220
PA 120

PA 130

PA 35,brtst of 4,spiral

PA 115

PA 35,In NGC 1618-1625 grp,P w NGC 1622 at 7'8

PA 45,Near NGC 1618,NGC 1625
PA 25
PA 140,Two other dim edge-on galaxys in field of Nu ERI

PA 140

PA 44

PA 109
P w N1634
In dark neb B22
PA 5

only 3 st 12.5 mag forming eqilateral triangle
Strong asymm vF but rrr outer arms
PA 70;comp 2.6',PA50
PA 45

PA 175,UGC 3141 at 8.4',PA24,superimposed comp,bridge

Sheet1

PA 97
PA 15

PA 70
PA 124
PA 32

PA 170,UGC 3130

PA 170

PA 107
PA 150
PA 75
PA 50,Knotty filamentary arms,strong asym vF

hazy *
PA 35

PA 117,plume and streamer

PA 50

PA 177

PA 150

40* mags 11...

PA 40

On edge of LMC

P w UGC 3199;brtst in group
PA 50

PA 85

PA 5

In LMC
Several small clouds adjacent to AB AUR

PA 137

P w NGC 1700 at 6'6
PA 90,P w NGC 1699 at 6'6,smooth

Bright main body w regular arms

PA 85

PA 20
PA 150

PA 10

PA 45
PA 136

In LMC,bright foreground star
Face On

PA 90

PA 102
PA 170
PA 168

v peculiar

Sheet1

PA 38
PA 105

PA 143
PA 70

PA 130

PA 102

PA 175

Part of NGC 1746

In LMC

Asterism?

PA 137
PA 150
In LMC
PA 135

1.2 deg south and 2 deg following Z AUR

PA 84
PA 113

Near bright nebula NGC 1788

See NGC and 2nd IC Catalog notes. NGC 1794

Witchhead nebula, Rigel may be illuminator
PA 160

PA 133, F outer arms
PA 45

May be emission nebula

In LMC, neb Henize N103
PA 60
PA 8

PA 120

15 * mag 8-9

PA 120

50 * mags 10 to 14

In LMC

X-ray source, vRi w F*

Flaming Star nebula, variable AE AUR in center of neby
27 Gal/Deg, Size = Square Degrees

PA 74

PA 45

Appr. 50/50 Face & Edge On

IN LMC, w S Dor

PA 60

PA 68

Brightst part of Lambda ORI neb

PA 60

Giant stellar association in LMC,* 11 mag w B neby

Asterism?

Incl cluster NGC 1893

In Aur OB2,20* mags 9...12,neby IC 410 incl

PA 170,Local Group Memb,Many CI+NB incl,SN 1987A

Stars vF

Face On
Asterism?

PA 32

PA 119

11 mag star in nebulous disk

In nebula IC 417
PA 140

Asterism?
In LMC, elongated.
in Aur OB1, Burnham-shaped like Greek letter Pi

3 deg north preceding Lamba ORI

In LMC

SNREM in the LMC

Contains triple ADS 4112

Double star on UK Schmidt plate

Orion nebula region

PA 32

IC 2137

Crab Nebula, Rosse saw filaments, cent pulsar 16 mag, 3C144

PA 106

PA 45

Seems to apply to entire Lambda ORI neb

PA 83

Lambda ORI cluster

PA 93

In Ori OB1, incl D* Struve 750

Trapezium* 6.7-7.7m,>50 var* invl,M 43 to NE

H III 1 ?,detached part of Orion Nebula
PA 80

Orion's belt stars
in Aur OB1,incl Struve 737 10.7"sep

Not a PLNNB,reflection nebula

PK176+0.1

30 Dor cluster in LMC

Huge oval cloud w filaments,probably supernova remnant

L scattered group incl multiple * h3780

Horsehead nebula, part of large dark following cloud

Contains Horsehead neb (B33)

Tank Track Neb, bright but masked by glow of Zeta Ori

Face On

In LMC

small, faint and distinct w annular form, PK196-10.1

PA 85, hexagonal, 2 branch arms w some knots

PA 168

2 deg preceding cluster M 37

Sheet1

In dark neb B35
Near FU ORI and bright nebula Ced 59

Narrow south preceding-north following lane

Comet shaped, 2 10mag * invl 53" sep, preplanetary disk?

PA 13
14 Gal/Deg, Size = Square Degrees

PA 39
Part of Barnard's Loop, faint
In LMC, elongated.

PA 100

Total population 500*, dark area near center

Near reflection nebula vdB 62
group of bright stars

PA 143

PA 145

PA 2

PA 118

PA 150

PA 140,IC 2154

On NW edge OF Mu ORI,star makes ID difficult

scattered 20 * mags 11..14

PA 60
PA 37

150 F* on edge of M 35

PA 170
In nebula Ced 78

Lower's nebula
Lord Rosse counted 300*, Orange * incl, NGC 2158 30' SW
Two symmetrical fans extending N-S

w IC 2159 sf, contains cluster
In Gem OB1?
PA 175
PA 80

Small group of NGC 2175

In LMC

PA 35

With E-W extensions

PA 171
PA 113
faint, rich, look for 2169 nearby

small and faint, IC 2162 is 30' np
Not a PLNNB, IRAS confirms HII region
25* mags 12...
About 20 F *

Sheet1

Not a PLNNB,IRAS confirms HII region
PA 138
PA 141,Double galaxy or interacting pair

vF,vL,arc 25'x5',filamentary structure

PA 30
PA 22
PA 136
PA 56,extreme broad spiral arms,2 main smooth arms,1 w dark lane
Not a PLNNB,H II region w Balmer line emission

7th mag star (12 GEM) w faint neby,diam 4'

PA 133

PA 20
Asterism?

PA 45
Nearly stellar
group of pB stars

PA 68
PA 110

Asterism?
Asterism?

PA 175

nearly stellar
PA 19

small scattered cluster,compressed core,40 stars
compressed core of NGC 2225
PA 115

Rosette nebula

In LMC
Rosette nebula

PA 85

In Rosette nebula
Rosette nebula

Near bright nebulae NGC 2245,47

PA 152

One member is variable V 493 MON--a red carbon star

PA 140,9 mag * 40" NW

Asterism?

PA 143

Asterism?
Hubble's variable nebula (fan-shaped), R MON invl
PA 135

PA 36

Sheet1

Near Cone nebula (60'X30'),20 * mags 6...10 w neby

Mis-identified as galaxy in CGCG

PA 123

PA 71

PA 163

PA 2

PA 55,asym. v broad knotty arms,diff. broad vF arm north

150 members to 13 mag,orange * near center

PA 169,brightest of 4,disturbed

PA 20,distorted

PA 46

Asterism?

PA 1

PA 125

PA 150

Stars eF

PA 50,psuedo round w high surface brightness

PA 125,compact,birghtest in NGC 2289-2290 group

PA 50,NGC 2289-2290 group

compact IC 2173

60* 8...,blue&gold D* near center

Asterism?

P w UGC 3569 6' preced

PA 107

PA 47,lenticular

PA 3

PA 132,compact core

PA 25

diffuse nebula

PA 170

asterism

PA 110

PA 116,double system

PA 115

PA 6

Sheet1

About 100 stars mags 9...14

Not a PLNNB, typical H II spectrum

PA 40

Streamer incl bright patches NGC 2337 & Gum 1, Eagle nebula

PA 140

PA 136

PA 135

In CMa OB1

Asterism?

Difficult to locate, nebulous haze w $7 < \text{mag} < 11$

PA 65, several blue patches along edge

PA 175, B nucleus in weak compl bar w dk. lanes, F knotty arms

PA 35

PA 15, peculiar galaxy

9 Gal/Deg, Size = Square Degrees, brightest is NGC 2329

PA 175

PA 136, peculiar

PA 126, distorted

PK215+3.1

PA 60

PA 120

PA 25

PA 80

PA 76, Integral sign galaxy, disturbed

PA 110

double star w scattered cluster around it.

PA 63, weak bar, many filamentary arms, poor res

PA 165, Chaotic, UGC 3705 at 9' 14.4mag 1.5'X1.4'

In CMa OB1

P w NGC 2347 at 13' south foll

PA 175, traces faint roundness

Not a PLNNB, Seyfert GALXY

PA 177

Probably = double star

PA 122, smaller companion

Duck Neb, curved filam, cent* Wolf Rayet, UHC filter helps

40 * to 13 mag surround Tau CMA, sev pairs

PA 33

Contains small reflection nebula

PA 50

PA 123
27 Gal/Deg, Size = Square Degrees

PA 170, nrf of 2

Discovered w/ 7"
Asterism?

The Tuft in the tail of the dog, visible naked eye

PA 85

Near cluster NGC 2384

PA 43

Near cluster NGC 2383
faint double-lobed planetary, use filter, PK189+19.1
faint double-lobed planetary, use filter, PK189+19.1

PA 0

Asterism?
Asterism?
PA 170, NGC 2389 group
very compact, NGC 2389 group
PA 178, weak bar, many weak filam arms w knots, P w IC 467

PA 20, weak bar, many knotty filam arms, P w NGC 2300 @ 6' SE

Sheet1

Asterism?

PA 65,NGC 2389 group

PA 25, P w NGC 2363

Medusa nebula,large and low surface brightness

PA 83,brightest in group,many knotty filam arms

double system

Clown Face or Eskimo Nebula,PK197+17.1,sev shells

triple star

PA 103,NGC 2389 group

PA 80,P w NGC 2336 at 20',low surface br

triple star

Asterism?

PA 81

double nebula

double system,contact

Stellar

PA 75,brightest in group

Pair with NGC 2276 at 6' and IC 1455 at 10', vsBN

PA 120

PA 50

PA 31

PA 110,brightest in group,asymmetrical spiral

slightly asym envelope, sev. vfaint companions

PA 122

H VIII 38, Messier gave poor position, Struve 1121 & 1120 incl

PA 127, in M81 group, many well res irreg arms, broad bar
peculiar, high surface brightness, irreg fringes

Very compressed w central condensation

PA 15, vF companion north preced

Most distant globular, Brightest * 17 mag

Rich w many faint *

PA 125

Scattered group of stars 10 - 12 mag

PA 8, bright nucleus in narrow bar, dark lane on one side
Asterism due to uneven absorption?

Mostly Edge On

PK231+4.2

PLNNB NGC 2438 on N edge, 150 * 10-13 mag

almost starlike, irregular at high power, PK234+2.1

Seyfert

PA 145, distorted early spiral interacting w comp at 0.8
PA 36
63 members to 13 mag, wedge shaped center

PA 35

Asterism?

double system, see NGC 2444
double system, elong. w distorted envelope, knotty plume

PA 137

PA 130, Seyfert, vF companion on east side
PA 14

PA 130

PA 100

300 * to 12 mag, Shapley--richest of OPNCL
scattered stars 8..12 w vF haze of nebulosity, in PUP OB1

PA 30
PA 128

Equals 2422 (M 47)

40 * in clumpy groups

Asterism?

PA 145,P w NGC 2460 @ 5' nf
diffuse arms,chain of bright patches in one

double
PA 135

PA 40,vBN,spir struct in lens,vF smooth arms surrounding
PA 145

PA 160,distorted
PA 18,distorted

Often confused with NGC 2474, see Sky+Tel Apr 81 pg. 368
PA 100,P w NGC 2487
double system w 2475,contact
double system w 2474,contact
double system,contact
PA 160
PA 115,P w NGC 2486

PA 145

PA 2

About 100 O or B * of 12 mag and less
compact
PA 95
PA 95,compact
PA 113,very bright bar,singular loop westw
Asterism?
peculiar

Most of cluster 15 mag and less
peculiar, brightest in group, faint outer whirls

PA 100
bright nucleus in bar, many well resolved clumpy arms
PA 130

PA 120, NGC 2513

compact

PA 170, brightest in group

NGC 2507 group

PA 113

PA 0

PA 95, disturbed?

PA 32, brightest in group, 1st in chain of 5 galaxies
PA 136, chaotic

PA 140

PA 35, spiral

PA 170, sev S conds in np part, 3rd in chain of 5, NGC 2522 gp
PA 170

PA 125

Sheet1

PA 45, disturbed

PA 10, sev br knotty arms, high surf br
rich cluster, near M46 and M47, D* 19 PUP in field

2 long v open arms, NGC 2536 is comp at tip of one arm, bridge

PA 112, at tip of one of NGC 2535 arms

PA 25

PA 83

Asterism?

Asterism?

PA 125

PA 45, broad bar w dark matter, UGC 4273
peculiar, vB complex center region, multiple?

PA 92, exact minor replica of NGC 5746
spiral, bright partly resolved bar w strong asym arm

Messier wrong position by 4 deg in dec, 50* 9-13mag, H VI 22

PA 172

PA 170, one-arm spiral from inr loop, F smooth bar, F out arms

PA 165

PA 57, bright diff Nuc on bar, several filam arms w knots

PA 6

PA 95

PA 0, very faint slightly asym disc w spiral arcs

PA 115

PA 60

PA 177, B elongated w traces of bright tips, F outer envel

PA 15, dwarf irregular

PA 110

Asterism?

Sheet1

PA 55, IC 2293 at 5.5, 117 (m=15.2)
PA 45, highly res, irreg spiral struct, v low surf brightnes
PA 160
PA 138, brightest in group, short massive arms, thick bar
PA 167, sff of 2
PA 93, dense part of cl
PA 3, dense part of cl
PA 80, dense part of cl

Asterism?
PA 133

PA 75, P w NGC 2569

PA 70

PA 105
PA 145
PA 41

PA 10

PA 103, peculiar?
PA 55, B diff N in lens, trace F whirls or dk lanes

PA 77
s-shaped, almost circular arms IC 2359

PA 120
PA 45
PA 172
PA 45, brightest of 3, in triple group w NGC 2594 and NGC 2481
NGC 2592 group
PA 65
PA 45, slightly asym spiral pattern, barred w prominent nucl

PA 0, slightly asym patchy arms
small cluster of 10 to 15 stars

Gum Nebula, pulsar PSR 0833 -45 invol
PA 3

Asterism?

irregular, sev vF objects near
PA 113, 1.2 deg W from D* Burnham 208, Nearly edge-on
PK239+13.1

bright core in R diff disc, extreme diff outer disc
PA 120, dwarf

PA 40
PA 78

PA 60, 2 asym arms vhigh surf brightn, 2* superimposed on bar

PA 145, compact, brightest of 3

PA 140, very diffuse outside

Diffuse neb?

PA 32, patchy, probably late Sc

PA 93, very diffuse dwarf, NGC 2621 at 3.8 nf (m=15.5)

Asterism?

PA 35, many very thin arms

PA 140, Mrk 94 superimposed 0.7' south foll

PA 140

* superimposed?

triple system, contact, 2 long curved streamers (or arms)

Asterism?

Asterism?

Sheet1

Beehive,200 memb to 14 mag

Scattered group of 10 * incl Omicron Velorum

B nucleus in weak bar,4 or 5 knotty filam arms,anon obj nr

Cluster NGC 2670 in field 30' south
PA 14,strongly asym.,spiral arcs north,filaments south

Asterism?

PA 72
compact
In Vel OB1?

PA 148,spiral,abs lanes in comp,diff arms extend beyond comp
PA 150
PA 160

PA 140,v faint thin spiral arm,partly obscure on one side

PA 50
Brighter knot in Gum nebula

Asterism?
PA 110

Asterism?

singular,patchy,asym broken arms,no disturbing obj visible
PA 144

Sheet1

PA 105

double system in halo

PA 160, In group w NGC 2636

PA 5, compact

PA 175, bright bar w dk lanes, 2 main arms, Br in grp w N 2634

PA 165

compact, disc w v high surf br

disturbed, Pw NGC 2634A at 1.9' sf

PA 73, disturbed, poor resolution, dimmer for bright part only

PA 63

in halo of NGC 2673, contact, has curved plume

contact galaxy very condensed, has curved plume, companion

PA 155

PA 82

500 memb to 16 mag, Mallas-dark spot near center

bright nucleus on faint bar, object also identified as IC 520

Brighter knot in Gum nebula w dark lane

vB core, e diff disc or corona, compact

comp superimp

comp superimp

PA 80

PA 44, peanut-shaped bulge, many filam, arm w dk lanes 1 side

PA 19

Appr. 50/50 Face & Edge On

Compact center and distinct spiral arms

In emission nebula Gum 17

Confusion if same as NGC 2646, P w UGC 4634

Bipolar

PA 0

PA 165, compact

peculiar, group of small galaxies, bright center area, asym disc

PA 38, appears cigar-shaped, w equatorial rings, dk lanes
large nucleus w asym dk matter in lens, faint outer whirls

PA 90

PA 20

PA 25

PA 167

IC 2424

very compact EO

PA 160, very compact

PA 165

PA 107, B N in strng bar w dk lanes, 2 main fil arms w knots

PA 170

PA 30, close to cluster of faint galaxy

PA 45, vF companion south

PA 115

PA 23, bright center, weak bar w dk lanes, knotty spiral arms

PA 131

PA 178, bright nucl, smooth narrow bar, sev knotty branch arms

Part of Gum neb

PA 23

PA 133, high surf brightn, core+loop, diffuse bridge to comp

PA 2

Sheet1

peculiar

PA 0
PA 60
PA 70

PA 80, disturbed, chaotic patchy spiral pattern, S blue cond p part

PA 94, bright core, bridge, disturbed by companion (N2375A)
Asterism?

PA 165
PA 61, in a small group incl NGC 2738, NGC 2378 group
PA 55, brightest in group, spiral
PA 175

double system, bright complex center, 2 main smooth arms
PA 105
PA 87
PA 130

brightest in group
PA 19

PA 58, triple grp w NGC 2749 @ 5.4', PA252, and NGC 2744 @ 17'
slightly asym, distorted arm at p side bright outw w patches
medium compact, several faint objects in vicinity, very distnt

PA 140

Ring shape

PA 6
PA 107
Appr. 50/50 Face & Edge On
PA 87, bright nucleus, several filamentary knotty arms
PA 71
PA 130, compact

PA 22, several filamentary knotty arms, sharp outline
PA 15
PA 50, brightest in group

Sheet1

PA 132

PA 0

PA 114

PA 83

PA 148,2 nuclei in common envelope

PA 87

NGC 2769 group

PA 155,N in B smooth lens,many knotty arms form dk lane

PA 146,brightest in NGC 2769 group

P w NGC 2769,2769 group

Mostly Edge On

PA 95,vsvB center, smooth neb in lens and external envelope

PA 85

PA 160,dwarf spiral

PA 40,brightest in group,acicular?

bright nucleus,2 main knotty arms,similar to M101

PA 73

PA 150,massive very tightly wound arms,NGC 2778 group

PA 67,peculiar,disturbed?

PA 77,several companions to pair (NGC 2783A-2738B)

PA 168,NGC 2778 group

PA 38,vB center w sN,sev knotty arms w dk lanes

PA 118

PA 90

smooth broad bar w strong dk. lane,asym smooth arms dk lane

PA 150, Ho III

brightest in group

PA 120,irregular or peculiar

amorphous v diff outside,bridge to comp?,brightest of 10

double neb shaped like barbell on W side of cluster

30 F* mags 12...

PA 170,a large nr of small galaxies in vicinity,N 2749 group

PA 25

PA 10

Not a PLNNB,plate flaw

compact,peculiar,NGC 2794 group

double system,broad bridge,curved filament opposite bridge

double system,broad bridge,companion NGC 2802

PA 35,several companions,NGC 2809 group

PA 80,brightest of three

PA 60,NGC 2809 group

bright knotty bar,blue patchy spiral arc on n edge

PA 100

double system

brightest in group,6 galaxies inside 3.7',double system

PA 160,bright bar,2 smooth faint outer arms,knots,Nearly edge-on

PA 125,bright center and bar,2 main smooth arms nearly edgewise

PA 145,sf of 2,NGC 2809 group

PA 8,Fine multi arm spiral

3C218

PA 145

PA 55

PA 15

PA 67

PA 160

PA 30

PA 117,B nucl in B inner lens,strong narrow bar w blobs

PA 143

PA 112

double system in halo of NGC 2832

PA 160,comp east is compact,NGC 2831 superimposed,lens shape

9 Gal/Deg, Size = Square Degrees, NGC 2832 group

Asterism?

Sheet1

compact

PA 40,NGC 2851 is 5' ENE

PA 125,slightly asym,many irreg res vF knotty arms,multi sys

compact

Lens shaped

PA 179,NGC 2805 group

PA 5,brightest in NGC2852 group,bright nucl

PA 59,v flat cent bulge w dk lanes,knotty out arms,intract w N2820

PA 147,fine spiral w symmetrical whorls

Ring shape

PA 117

compact,NGC 2844 group

PA 25,NGC 2844 group

nnp of 2,interaction?

PA 50,Arp class=double galaxy,brightest of 3

PA 134,narrow tail leads away from nucleus,NGC 2854 group

PA 85,bright nucleus in diff. bar w diff. blobs

Arps'spiral w low surf brightness,2 very long thin arms

Highly obscured

PA 114

PA 108

PA 176

PA 174

PA 22

PA 43, disturbed, possibly not interacting, largest of triplet

PA 129

PA 158

PA 80

PA 123

PA 145, P w UGC 5029 sep 70" E-W

PA 27, diffuse

PA 140, very compact, bright nucleus in bar near minor axis

PA 125

PA 90

filaments from the bar, appears too red to be normal SBc

brightest in group

IC 543

Equatorial dust band, Nearly edge-on

PA 75

PA 17, short B nucleus bar, fine multi arm spiral

= NGC 2903

brightest in group, compact? (*?) superimposed at 0.30

PA 89

Sheet1

PA 140,brightest in group,diffuse nebula w dk lane on one side
see NGC 2911

PA 140
PA 15,NGC 2911 group,2 main reg arms,poor resolution
PA 129
PA 169
PA 159,NGC 2911 group,bright nucleus in weak bar
PA 83
PA 20,asym,radial filaments n,term on patchy arc,spir centr

PA 65

Not a PLNNB,dwarf GALXY w emission lines
PA 0
PA 103,irregular or peculiar
PA 155,small blue cond in spiral arm sp center

PA 144,brightest in group w N2930 (m=14.5) N2931(m=15)
in group w NGC 2929 and NGC 2931 (NGC 2929 brightest)
PA 120,peculiar
PA 168
in group w NGC 2929 and NGC 2930 (NGC 2929 brightest)
Very faint,uncertain
multiple system,strongly distorted

PA 30,south of 2,contact,blue spindle
see NGC 2933

PA 154,brightest of 3

PA 105

PA 130,brightest in group,several comps

PA 7
Mostly Edge On
PA 13
PA 165,bright nucl.,2 main branch arms,faint,poor resolution

double system,blue w 2 compact knots,contact,disrupted
PA 55
double nebula
double system

Sheet1

PA 160
Dwarf in M81 group
PA 40
PA 10
PA 3,B diff nucleus in bright lens,slightly brighter at rim

PA 162,many filam. knotty arms in bright part

Brightest of 3
PA 65,B center part,2 main part. res.,massive arms w some branches
PA 72,2 v broad ill defined arms,3 or 4 stellar obj superimp

PA 145
PA 40,bright nucleus,10m * @ 0.7'
PA 97,vfaint bar,2 mn. knotty arms,Mark404 in disc
PA 30

PA 45,diffuse,Mark405 at east 5.1 (m=14.7)
PA 85,brightest in group
PA 170

IC 556
PA 135,NGC 2965 group
PA 95
PA 145,low surface br

PA 105

PA 95
P w NGC 2961

PA 44,Same as NGC 2959A

PA 38
PA 160

Long streamer extends 2' N
PA 110

Sheet1

PA 85,bright nucleus,2 main arms,poor resolution
PA 6
PA 115
contact,several almost stellar objects in vicinity
Contact P w NGC 2988,sev alm stel objects in vicinity
PA 55
PA 125,P w NGC 2988,2891
PA 163,B main body,chaotic inner w many dk lane,F outer disc

PA 15
PA 165,P w NGC 2957
double system

Very compact
PA 79,BM,no def N,dk mark & knots,filam arms

PA 53,br in NGC 2998-3010 group,many filam knotty arms

cluster of 20 to 25 stars
PA 95,brightest of 3
PA 38
PA 110

PA 27,distorted,bridge?
PA 70,NGC 3020 group

compact

PA 70,distorted,bridge?
PA 48

PA 105,brightest in group

NGC 2998 at 20 sp

PA 115

Sheet1

PA 0,diff BN,many poor res knotty arms, P w NGC 3027 at 25'
PA 125,NGC 3020 group
tri systm:0.7'x0.4' m15.3,0.4'x0.2' m15.4,1.0'x1.0' m15.8
PA 82
PA 110,vsvBN,many filam B knotty arms,NGC 3003 at 30 spp

PA 130

PA 95,svBN in sh stubby bar

PA 12,comp 2.0',PA323,0.3'X 0.15'
double system contact,in chain of 4
PA 95,sBN,sev F knotty arms,poor res
PA 110

PA 111,comp 1.4',PA2,0.3'X0.2'
PA 210
PA 13,Nearly edge-on

PA 102
PA 118
PA 16
double system w NGC 3047A
double system

PA 25
double system CGCG
PA 0
PA 63,vsvBN in sh narrow bar,2 main knotty arms w m branch
PA 140,UGC 5332 at 3.8',PA108,mag17,1.2'X0.3'
PA 157,brightest in group,fine spiral

PA 130,P w NGC 2985 @ 2.7' PA296,UGC 5316
PA 65,M81 group,eruptive,H IV 79
PA 84

PA 78,P w UGC 5343 at 6.4',PA101,mag 15.5,1.2'X0.5'

PA 65
PA 0,Dwarf peculiar,bar-shape body w spiral arm NW
PA 71

comp 4.2',PA88,0.6'X0.3',IC 580 at 5.1',PA330
PA 38
PA 105,B complx bar or lens w B knots & dk lanes
PA 177
nf of 2,bridge,very long plume?,UGC 5353

PA 26

PA 135,comp 3.5',PA242,0.3'x0.1',v dif
PA 2

Local Group dwarf irregular

PA 158

PA 119

PA 139

PA 145,SN 1965n;comp 4.7',PA122,0.5'X0.2'

P w IC 585 mag 14.8,1.0'X1.0'

PA 75

PA 110,dwarf irregular

PA 126

PA 149,Brightest memb of small group

PA 170

PA 154

equals NGC 3100

NGC 3079 group

double system contact,P w UGC 5381 mag 15.4 1.1'X0.6'

A 0.9'X0.8',B 0.7'X0.2',spiral

PA 75

P w NGC 3066 2.9' SSE,svBN w inner B center;huge halo

PA 165,brightest of 3,comp 6.5 nf,0.9'X0.4',mag 14.6

P w NGC 3065,disturbed;asym main body 0.8'X0.6'

PA 90,sBN,B lens

PA 110

H III 478

PA 93

PA 140,UGC 5425

PA 45,M81 group,dust streamers tending to radial direction

PA 83

Sheet1

comp at 5.6' f,0.2'X0.2',compact,mag 15.7
PA 35,irr

PA 26
Ring shape

PA 140
PA 87

PA 40,Spindle Galaxy

PA 1

PA 140
PA 5
PA 30

comp 2.1',PA20,0.4'X0.2',dif

Asterism due to uneven absorption?
H II 305

compact
compact
PA 114
PA 165,Fine face-on spiral,D* South-607 4' to south
PA 20,P w UGC 5436 II companion superimposed

Eight-Burst Nebula

PA 41

PA 170

vF companion 6' east
PA 132
PA 30,nearby GC 13911 at 4.6',mag 4.58
PA 123
PA 80,dwarf elliptical in Local Group,0.3' N of Regulus

Sheet1

PA 54,comp 1.5',PA152,0.25'X0.05'

PA 1

Br PLNNB in fine field--Hartung

Dwarf irregular,P w UGC 5481

PA 90

MCG -01-26-030

PA 100

PA 30

PA 38

PA 47,NGC 3166 group

PA 170,comp at 5.3',PA96,0.9'X0.5',mag 15.5

PA 124,brightest in group of 3

PA 177,Irr,NGC 3166 group;NGC 3166 at 4.6' PA50

svBN: 0.5'X0.3',2 main knotty arms

PA 87,brightest in group

brightest in group,sev galaxies in vic,UGC 5511

PA 145

may be disturbed by NGC 3158 at 4.8

NGC 3158 group,UGC 5517

PA 45,eF corona vis to approx 8X6,P w NGC 3166

PA 155

PA 7

PA 56

PA 0,comp at 4.3',PA176,0.6'X0.3'

PA 0,H III 964

PA 176

Ring shape

Sheet1

compact,brightest in triple group
PA 135,NGC 3189-90 group
PA 155,vBN,many filam. narrow arms in lens
partial ring

PA 130,NGC 3189-90 group
PA 35,H III 965
* mags 13...,loose structured globular
NGC 3189-90 group,distorted

PA 48
PA 125,bright in grp,disturbed edge-on spiral,P w NGC 3187

part of NGC 3190

PA 135,svBN,smooth lens w spiral pattern of dark markings
NGC 3189-90 group,vB center in smooth nebula
PA 169,Nearly edge-on

PA 5,massive,v tightly wound arms;comp at 1.3',PA268

PA 155
PA 58,Lens shaped
nff of 2,comp 0.7',PA246,0.45'X0.3'
PA 20

PA 35,svBN in bar partly obscured on one side
PA 110;comps @ 2.8',PA122,0.3'X0.2';4.2',PA161,0.35'X0.15'
PA 20,tri grp w NGC3205@ 4.4',PA132,NGC3207 @ 5.7',PA112
PA 80,brightest in group
peculiar;NGC 3202 group

PA 40,In NGC 3209 group,high surface brightness
PA 73,peculiar;NGC 3202 group
PA 133

PA 135
PA 133
PA 0,brightest in group,UGC 5593
PA 0,disturbed,UGC 5589
PA 170
25* mags 9...
PA 140
PA 167,SN 1961 I
quadruple group,indiv mag approx 16.5

Sheet1

double system,faint bridge

PA 15,P w NGC 3227 at 2.3' sf,UGC 5617
PA 155,P w NGC 3226,vF env surr system,50' E of Gamma Leo
PA 115
PA 97

PA 165,vF comp west

PA 123
PA 85
PA 175
Ghost of Jupiter,PK261+32.1

PA 85,IC 2572 at 4.7',PA 23
strongly peculiar,UGC 5637
PA 155
PA 170
comp 2.2',PA316,0.35'X 0.25',UGC 5640
PA 85

PA 139
PA 125

PA 148
Asterism?
PA 100
UGC 5649

very compact
PA 150

PA 177
In Car OB1?,beaut fld,central* CPD 3256 many pairs--Hartung
PA 56
PA 6
PA 135
PA 100
PA 29
PA 89
PA 107,P w NGC 3215,distorted
PA 169
PA 50,Coddington's Neb,M 81 grp,Weak bar-like core,faint arms
comp 2.1',PA 229,0.6'X0.1'

Sheet1

PA 0
PA 75
PA 130,P w NGC 3212,distorted
PA 142
PA 85

PA 2
PA 159
PA 135
PA 108
PA 55,comp @ 2.1',PA140,0.55'X0.15'
PA 46
PA 97

PA 148
PA 8
PA 71

PA 145,Part of chain of faint gals w knots
PA 106
PA 97

PA 73,UGC 5705
PA 74
PA 168,Not NGC 5740
PA 155
PA 48
PA 10,comp 2.6',PA121,0.25'X0.12'

PA 62

PA 5
PA 140

PA 100,comp 1.5',PA305,0.3'X0.2'
PA 82
PA 177
PA 27

PA 20,comp 1.2',PA198,0.3'X0.15',UGC 5717

same as IC 617

PA 160

PA 171

PA 105

PA 108

PA 160

PA 153

PA 154,comps 4',PA266,0.2'X0.15',5.0',PA285,0.6'x0.4'

PA 152

PA 43

PA 20,P w NGC 3301

PA 140

PA 37

PA 3

PA 118

In Car OB1

Asterism?

PA 122

PA 28

PA 3,NGC 3306 group,UGC 5761

PA 175,P w NGC 3286,UGC 5752

PA 32

PA 173

PA 60,Dwarf irr,almost stellar nucl w faint ring outside

5 Gal/Deg, Size = Square Degrees

PA 52,P w NGC 3287 at 33' PA245,Nearly edge-on

PA 175

peculiar double system,stellar comp superimp

PA 141,brightest in group

PA 78

Sheet1

PA 55
PA 158

PA 110

UGC 5786

PA 37,flattened central region elong NE-SW coarse spiral
PA 55,brightest of 3

PA 20,UGC 5794
PA 130

peculiar
PA 160
PA 85
PA 123
PA 5

PA 20
Edge On

PA 95
PA 100,Leo group
40 F*
* 2.1 WNW of NGC 3340

PA 145

PA 24

PA 173

Theta Car,At edge of Sco-Cen association,30* mag 5...

PA 141

Sheet1

triple system

Keyhole Nebula & nova-like var Eta CAR incl, many drk lanes

PA 13, Leo group

PA 102, P w NGC 3362

PA 0

PA 90

PA 115, north preced of 2

Several obj in faint cluster

PA 140, brightest in a subgroup of 12 or more galaxies

PA 90, P w NGC 3356

Nu CAR Cl, Mag includes Nu CAR

PA 0, comp @ 2.4', PA230, 0.8'x0.7', v dif

Haro 3, UGC 5860

PA 55

PA 159

PA 170

PA 114

PA 5, comp @ 3.8', PA 205

PA 148

comp 2.6', PA115, 0.6'x0.4', UGC 5875

dwarf spiral

PA 24

PA 167

PA 35, Leo group

H I 17; P w NGC 3384 @ 7.2'; NGC 3389 @ 10.0', PA108; Leo Group

PA 160, nnf of 2, comp at 2.3', PA197, 0.35'x 0.18', mag 15.6

PA 140

Face On

PA 177, Nearly edge-on

PA 97, P w NGC 3386 at 4.3', PA0, 0.8'x0.7'

double neb

Sheet1

double neb
massive spiral arms, UGC 5906

PA 53, Leo group; in triple group w NGC 3379 and NGC 3389

PA 112, Leo group, SN 1967c

PA 35

double system, contact, brightest in cluster
PA 50, P w NGC 3396, contact disrupted, brightest of 7
PA 100, P w NGC 3395

H III 522

PA 25
PA 35, sp of 2
PA 100

PA 155, Leo group

Peculiar

PA 10, fine face on spiral

PA 115, NGC 3419A at 4.7', PA6
PA 137; comp at 3.3', PA103, 0.5'x0.05'
P w NGC 3418 at 8'2, UGC 5959
PA 75
PA 178, NGC 3395 group
PA 85
PA 77
nnf of 2
PA 170
PA 30, uncertain identification

PA 10
peculiar
PA 112, NGC 3395 group
double system

Sheet1

PA 5
PA 50,UGC 5981
small cluster of 10 to 15 stars
PA 30,NGC 3395 group,H I 118
PA 175
PA 15

n of 2
PA 5
PA 38,P w UGC 5983,mag 17,1.2'X1.0'
PA 122
PA 148
PA 19,comp 1.5',PA298,0.4'X0.2'
PA 145
PA 30,peculiar
PA 110,Disrupted pair?
PA 0,P w UGC 6007 at 1.7',PA65,comp 1.7',PA150,0.3'X0.3'
PA 110,Contact P w NGC 3447

PA 4
PA 48,NGC 3445 group
PA 73

H I 284
PA 50
PA 80,P w NGC 3454,Nearly edge-on
PA 116,P w NGC 3455 at 3.7',PA175
Brightest in group,NGC 3458 14' NE
Ring shape

PA 65,P w UGC 6016,bridge,UGC 6024,Arp 205, near 44 UMA

PA 112,Red * V HYA is 43' WSW

PA 35,singular,B main body,F disc,alm dissolved arms

PA 35,UGC 6013 group
PA 77
PA 60,singular,plume;comp 2.8',PA255,0.25'X0.2'
PA 5,NGC 3445 group

Not a PLNNB,AG CAR variable W, Ring shaped faint neby
PA 55,NGC 3467 group
brightest in group;NGC 3466 at 7.0',PA267

PA 8,nff of 2,comp 1.9',PA243,0.4'X0.2'

PA 40,P w NGC 3474

PA 65,brightest in group
Asterism?

PA 170,n of 2,UGC 6060

PA 105
PA 14,sp of 2,comp 2.4',PA55,0.8'X0.2'
NGC 3523 group
PA 132,comp 2.0',PA195,UGC 6069

UGC 6077

PA 70,Leo group
Stellar
PA 80

PA 100,double system,brightest in group

PA 20,Nearly edge-on

PA 175,Lord Rosse says cB in 72 inch
H III 824
PA 84,comp 1.7',PA170,0.4'X0.1'
H III 967 & H III 968
PA 50

PA 123,P w UGC 6104

brightest of 3
PA 27,P w NGC 3507 at 12.7',PA45
H II 507

P w UGC 6122 at 5.3',PA 62

Sheet1

P w NGC 3512 at 12.0',PA72,comp 4.0',PA55,0.4'X0.1'

PA 76

PA 110,P w NGC 3501

PA 163

PA 75,S shaped spiral

Mayall's object,contact pair-both spirals

PA 115

P w NGC 3504

non-existent?

PA 40,large luminous system,strongly peculiar

PA 55

PA 120,s of 2,contact

PA 163

Ring shaped

Fine object

PA 14,sf of 2

PA 117,comp 2.1',PA255,0.4'X0.1'

PA 40,vF companion 3' east

PA 80,Mislabeled on U2000 as UGC 6163

PA 55,Seyfert

PA 55

PA 68

PA 65

P w UGC 6166

PA 59,NGC 3528 = NGC 3525 = NGC 3497 = IC 2624

PA 55

PA 178

PA 168,P w NGC 3534,in group of 3

PA 92,P w NGC 3534B,in group of 3

PA 99

PA 155

Near reflection nebula IC 2631

Sheet1

PA 30
PA 110

PA 7
PA 129

PA 30
double system in halo
double system in halo

In Car OB2

triple system
Incl NGC 3550 and Ambartsumian' Knot a dwarf at end of plume
peculiar, double nucleus
PA 15

PA 55, spiral-type obj w complex str
compact

PA 8, vB main body
PA 7
compact
PA 38, nearly edge on flattened oval
PA 0, double system, bridge, very long plume

PA 67, np of 2, contact
PA 4
PA 15, f of 2, contact
PA 15
In CAR OB2
PA 80, H V 46, M 97 is 48' SE, nearly edge-on

PA 94
In CAR OB2

comp 1.9', PA248, 0.25' x 0.15', B lens
Mant F neb patches in field incl 3582-4-6

Asterism?

PA 165,comp at 4.9',PA67,0.7'X0.15'
In Car OB4

In CAR OB3

PA 107
PA 60
Memb Local Group,Dwarf elliptical
P w NGC 3583 at 5.1',PA57;comp 2.8',PA322,0.6'X0.5'
double system,contact,crossing plumes
PA 70
PA 125,P w NGC 3577

PA 120,P w NGC 3598 at 10.4',PA 90
PA 92,in NGC 3607 group;BN w L bulge and dk lane

Owl Nebula,PK148+57.1
Leo group,UGC 6277

PA 35,P w NGC 3592
PA 48
NGC 3607 group
PA 176
comps 3.8',PA107,0.5'X0.4';4.4',PA85,0.45'X0.1'

PA 3,comp 1.8,305,0.3'X0.15',F;comp 2.7,288,0.4'X0.2'
PA 10,comp 2.2',PA219,0.45'X0.4'

H II 626
30 Gal/Deg, Size = Square Degrees

PA 17,NGC 3607 nf
PA 120,brightest in group,P w NGC 3608 at 6.2',PA10
PA 75,NGC 3607 group;comp 5.9',PA251,0.8'X0.3'
comp 3.1' 348,UGC 6305
PA 50,P w NGC 3612 at 5.4',PA274
PA 147

150 F*
PA 40,P w NGC 3618

PA 160,irr,P w NGC 3609
P w NGC 3614 at 2'5
PA 80,comp at 2.6',PA220,0.9'X0.7' dwarf,dif,patchy
PA 159
comp 3.7',PA232,0.25'X0.25'

Sheet1

PA 175,P w NGC 3615
PA 102,P w NGC 3619 at 15.7' PA158

PA 174,M66 subgroup
P w NGC 3613 @ 15'

PA 157,Indense part of clust,nearest comp 2' PA73 .5'X0.4'
PA 75,NGC 3640 group
PA 173,brightest in Leo group,M 66 & NGC 3628 in field
PA 7
PA 37,NGC 3640 group;comp 2.6',PA135,0.3'X0.15'
PA 104,Leo group,disturbed

PA 72,NGC 3640 group

PA 30
PA 148,UGC 6348
NGC 3635 at 0.4',PA 85

SN 1964a,UGC 6360,Arp 27
PA 100,P w NGC 3641 at 2.5',PA170

PA 63

15 Gal/Deg, Size = Square Degrees, drawing in Webb Hnbk 5

PA 50,P w NGC 3649
PA 140,P w NGC 3646
PA 105
brightest in group,comp 0.4'X0.2' superimp s center

PA 54;comps 1.9',PA137,0.4'X0.2';3.8',PA52,0.9'X0.1'
PA 150
PA 75
PA 30

PA 142
PA 7,B main body 0.6'X0.5'
PA 110
PA 141,H III 530
PA 60
PA 25,triple system

P w NGC 3665

PA 27

P w NGC 3664 at 6'2,NGC 3640 group
strongly asym
PA 100,UGC 6420,Nearly edge-on

PA 35

PA 30,P w NGC 3658

PA 12,Multi arm spiral

PA 70

PA 153

PA 137

PA 178,in field of 56 UMA

PA 130,sp of 2

PA 33

NGC 3684 at 14,44

PA 10

PA 150,compact w jet

PA 160

PA 130,NGC 3686 at 14',PA 33

PA 128

PA 15

PA 95

comp superimp on the disc at 0.8',PA93,0.1'X0.1'

Eruptive

S neby w few F*

PA 15,NGC 3681 at 19.2',PA352

PA 97,comp at 4.7',PA347,0.4'X0.1'

PA 84

PA 95

PA 50,double system;collision w IC 694

In contact with NGC 3690 and MCG +10-17-002B

PA 120,comp 4.8',PA56,0.3'X0.1'

Part of RCW 60

Part of RCW 60

PA 10,P w NGC 3700 at 5.7,132,comp 3.0,288,0.3'X0.2'

PA 75,P w NGC 3683 at 20'

PA 145

PA 167

PA 130,comp 1.5',PA70,0.35'X0.12'

PA 78

PA 122

PA 158

PA 105

PA 160

PA 33,Nearly edge-on

PA 125

PA 150

PA 68

PA 15,P w NGC 3720 at 2.2',PA115

PA 85,P w NGC 3719

PA 165,north preced of 2

PA 15,P w NGC 3729 at 11.5'ENE,cent dust lane sprl arms

PA 25

PA 60

PA 10,well defined spiral pattern

PA 133

PA 145

PA 15,In field w NGC 3718

PA 50,comp 0.55',PA173,0.18'X0.15'

PA 82

PA 55

10 Gal/Deg, Size = Square Degrees

PA 170,tri chain w NGC 3738 at 20.9' and NGC 3756 at 16.4'

PA 116

PA 17

PA 155,UGC 6565,Arp 234,NGC 3756 15' SE

PA 107

PA 5

PA 131,nearly edge-on

PA 33

Incl D* I 421

PA 110

PA 133

Lambda Cen Cl. in Cen OB2,neby descr: vL,F

PA 177,NGC 3738 in field

double nebula

P w IC 2943

n of 2

PA 155

comp 1.3',PA178,0.5'X0.1'

PA 167

PA 155

PA 127

PA 152,np of 2,P w NGC 3769A,nearly edge on

PA 71

PA 16

PA 5

PA 120

PA 107

Sheet1

PA 12
PA 165

PA 30

PA 70

Burnham's gives OPNCL 15',25 *,incl multiple I422
PA 92

PA 0,asymmetric spiral

PA 90,P w NGC 3804 at 13.2',PA108
PA 80
PA 80
PA 25
H III 773

PA 77,P w NGC 3788 at 1.5'
PA 178,P w NGC 3786

PA 154,NGC 3801 group
PA 164

PA 53
P w NGC 3800 at 1.4' nf
PA 52,P w NGC 3799
PA 60,tri grp w NGC 3812 at 14.2',PA58,NGC 3815 at 20.3',PA72
PA 52
PA 120
PA 85

PA 72
PA 127
PA 123,double system,distorted,twisted bridge

NGC 3801 at 8.1',PA240
PA 60
PA 120,P w NGC 3780 at 13.5',H II 830
PA 15
NGC 3815 at 6.7',PA100
PA 87
PA 160,SN 1969c

Sheet1

PA 72

PA 70

PA 140,comp superimp at 0.35',PA252,0.1'X0.1'

PA 100

PA 178,NGC 3825 at 3.2,105

comp 3.1',PA275,0.8'X0.7'

PA 160

PA 153,compact core

PA 65

PA 89

PA 65

PA 118,P w NGC 3829

PA 110

PA 165

double system

PA 23

PA 27

the ring is open on f side

PA 95,P w NGC 3824 at 7.6',PA304

PA 137

PA 42

PA 87

NGC 3842 at 3.6,21

PA 67

PA 5,brightest in cluster Abell 1367

PA 28

PA 60

PA 40

PA 141

Sheet1

H III 36
PA 140,nff of 2,comp 1.3',PA252,0.4'X0.3'

More GALXYS >14 mag than any GALCL

PA 135
PA 132

PA 38

PA 77,npp of 2,contact
PA 58
PA 49

PA 75

PA 40
diffuse
PA 56
PA 105,comp at 3.5',PA138
PA 173

At limit of 16",no NGC or IC members,* 6 mag superimp
PA 130
PA 95,comp 1.2',PA259,0.2'X0.2'

PA 135
P w UGC 6758 at 19.0',PA101,comp PA 259,0.2'X0.2'
PA 87,P w NGC 3873
PA 25
PA 35,edge on spiral,16' south from Chi UMA
PA 126
PA 10,comp 3.4',PA348,0.5'X0.2'
PA 105

PA 123
PA 130
PA 132
PA 20

PA 120,comp 3.7',PA30,0.5'X0.4'
possible nova
PA 70

Sheet1

PA 95
PA 165,P w NGC 3896 at 3.9',PA125

PA 20,P w N3895 at 2.0',PA60,comp 3.5',PA284,0.8'X0.3'
PA 125
PA 20
comp 1.8',PA34,0.2'X0.15',UGC 6784
PA 125,P w NGC 3894 at 2.0'

PA 2
PA 107,comp 5.0',PA60,0.7'X0.12',NGC 3888 15' south
PA 8
PA 85
PA 110,P w NGC 3920 at 9.9',PA97

PA 76,P w NGC 3907A at 1.7',PA95
PA 40,P w NGC 3907B
Coarse cluster of 10-14 *

PA 150;comps 1.8',PA181,0.35'X0.2';5.1',PA96,0.5'X0.5'
P w NGC 3911
PA 5,H II 342
Polarissima Borealis,nearest NGC to North Celestial Pole
Blue Planetary

PA 40

H II 786

PA 65
PA 77,comp 4.9',PA204,0.3'X0.3',nearly edge on streak
PA 45,P w NGC 3921 at 4.5',PA151

PA 50
PA 20,vB core 0.45'X0.35',UGC 6823
PA 38,comp 4.7',PA60,0.4'X0.2'
PA 160,comp 3.8',PA140,0.45'X0.35'

PA 127
double system,common envelope
double system,common envelope

PA 80

Sheet1

PA 30,comp 3.3',PA75,0.6'X0.4'
NGC 3932 sf 5'5 is a star

PA 83,brightest in group

NGC 3933 at 3.5',PA224,comp 1.7',PA356,0.4'X0.4'
PA 63,Nearly edge-on
PA 114

H II 825
PA 15,H III 389,IC 2958 at 2.8',PA262,0.9'X0.45'

Fine face on spiral

PA 10
PA 25
PA 15

comp 1.6',PA232,0.35'X0.15';comp 3.0',PA250,0.7'X0.4'

red,compact
PA 172,brightest in group
PA 120,comp 4.4',PA273,0.3'X0.1'

PA 78,H III 612
PA 13,comps 3.9',PA190,0.3'X0.1';4.6',PA156,0.4'X0.4'
PA 173,H II 294,edge-on lenticular
PA 58,Nearly edge-on spiral
PA 165

PA 128,P w NGC 3963 @ 8.3',PA3,comp 0.4',PA95,0.1'X0.1'
PA 35
PA 10

beautiful obj w 2 sym arms,in field w Z UMA

PA 64
PA 118
PA 102
PA 10,NGC 3973 at 2.6',PA48,0.4'X0.2'

P w UGC 6905
PA 150

PA 120,NGC 3977 at 5.3',PA37

Sheet1

PA 53,P w F anon at 4.8',nearly edge on spiral

H II 790

PA 58,2 companions superimposed

PA 15,Nearly edge-on spiral

comp 2.0',PA292,0.6'x0.25';comp 3.8',PA22,0.5'X0.12'

Distorted spiral w blue knots in spiral arm

PA 114,comp 4.7',PA122,0.8'X0.15'

PA 126,P w NGC 3986

PA 130

PA 110,P w IC 2978 at 4.8';NGC 3995 group

PA 73

PA 58,NGC 3993 at 4.6',PA55,NGC 3989 at 2.6',PA30

PA 33,NGC 3994 at 3.8'

PA 141,NGC 3997 at 2.9',PA53,mult sys w NGC 3987,3989,3997

PA 10,P w NGC 3995 at 2.0',PA242

PA 68,H IV 61,theta struc barred sp,Gamma UMA 40' SE

PA 40,P w NGC 3998 at 2.9',PA96

PA 33,multiple sys w NGC 3991,3994

PA 50

multiple sys w NGC 3987,3989,3993

Face On

PA 140,comp 4.7',PA145,0.3'X0.3'

PA 10,UGC 6948,H III 345

PA 75

PA 3,NGC 4005 at 3.2',PA116

PA 8,UGC 6950

PA 92

PA 20

PA 167

PA 70

PA 153

PA 175

PA 120

PA 150,P w IC 750,3.3' distant

PA 66,edge on

Sheet1

PA 66
PA 70
UGC 6965,Arp 138
PA 163

UGC 6967,Arp 305b
PA 43,P w IC 749,very red obj

NGC 4005 group
PA 15
PA 2,NGC 4005 group
PA 40
PA 85

PA 178,edge on lens shape
Edge On
PA 167

PA 150,comp @ 0.9'
PA 27,fine nearly face on spiral

PA 35
Possibly NGC 4042?
PA 47

PA 85,NGC 4041 @ 15',spindle shape
PA 5
PA 80,Ringtail Galaxy,two filaments
PA 130

PA 145

PA 135

PA 95,Ho 320b @ 1.6',UGC 7021,faint outer arms

PA 151
PA 92,Brightest in quadruple system
PA 52
UMA moving cluster
PA 85

PA 109

PA 165

Sheet1

PA 105

Compact, p w NGC 4065 @ 1.0'

PA 100

PA 30

PA 35

PA 150

Brightest in cluster, Very compact

NGC 4060 @ 2.0', NGC 4065 @ 6.9', NGC 4070 @ 3.8'

PA 135, thick spiral arms

PA 105, comp superimposed, field of 6 small galaxies 5' south
NGC 4065 @ 6.5'

PA 135

PA 15

PA 124

PA 18, NGC 4082 @ 6.6', NGC 4082 @ 7.4', IC 2991 @ 6.7'

PA 125

PA 125

PA 7, P w NGC 4088, UGC 7075, Ho 326b

PA 85, NGC 4090 @ 3.8'

PA 38

PA 43, P w NGC 4085 11' to south, distorted spiral arms, UGC 7081

PA 43, NGC 4089 @ 0.6'

PA 117

NGC 4093 @ 2.6'

PA 36

PA 7, w NGC 4108, 4108B

PA 62

Companion superimposed, NGC 4095 @ 3.1', NGC 4093 @ 5.9'

PA 98

PA 20, nearly edge on

Sheet1

PA 60
PA 167,nearly edge on spiral
PA 38
PA 35
PA 151,Interacting P w NGC 4106

PA 105,w NGC 4108A,B
PA 77

PA 128
PA 150,NGC 4109 @ 4.8',UGC 7103,Ho 333a
PA 125,w NGC 4108,4108A
PA 5

PA 136
PA 155,NGC 4123 @ 14.0',flattened bar shape
PA 18

PA 95

PA 135,NGC 4116 @ 14.0'
PA 114,H I 33
PA 140

PA 58,Ho 337b @ 2',UGC 7120
PA 166
PA 125
PA 0
PA 85
PA 73,NGC 4134 group
=NGC 4129
PA 94,Nearly edge on barred spiral

Not a PLNNB,compact H II region

PA 150,Brightest in group

PA 100,UGC 7135
PA 30
PA 150
PA 175

Sheet1

=NGC 4077

PA 144

PA 75

Stars F

PA 100,NGC 4151 @ 29',Ho 342b @ 13',UGC 7154

PA 104

PA 165

PA 177

SN 1963d

PA 87

PA 12,group w NGC 4155

PA 147

PA 50,P w NGC 4145,NGC 4156 @ 5.2',Ho 345c @ 8.8'

PA 115

PA 35

Brightest in group

P w NGC 4151 @ 5.2',Ho 345c @ 7'

PA 75,north foll of 2 w bridge

PA 66,SN 1937a,1955a,edge on narrow streak

PA 50

PA 174

PA 160

PA 20

PA 153,Brightest in group

PA 134, UGC 7204

PA 153,NGC 4169 group

PA 43,Member of Virgo group of galaxies

PA 50,NGC 4169 group

PA 130,NGC 4169 group

PA 30,SN 1963i,nearly edge on

PA 69

PA 143,edge on spindle shape

PA 170,chaotic

PA 22

Sheet1

PA 165
PA 166,SN 1968u
PA 145

PA 85,H II 106

PA 5
PA 93,H II 163
PA 155,6 Comae * 30' west

PA 60

PA 130
PA 60
PA 36
PA 60,Member Virgo Group

PA 98

PA 28
PA 160,south following of 2 w 0.6' sep
PA 122,Mem Virgo group,P w NCC 4212
PA 10
PA 0,H II 165,Member Virgo Group

PA 105,NGC 4221 @ 15.6'
PA 53

PA 160
PA 124
PA 160,Member of Virgo group of galaxies
PA 75
Brightest in cluster

H I 95
PA 142
PA 50
PA 19,UGC 7284,edge on streak,two other in field
PA 174,edge on lens shape
PA 25

PA 141,p w NGC 4218 @ 15'
PA 127,Disturbed?,NGC 4226 @ 7.3'

Sheet1

PA 56,H II 109
PA 36

PA 57,edge on w equitorial dust lane,NGC 4233 & 4235 nearby
PA 70,P w NGC 4229

PA 3,P w NGC 4227
PA 155,P w NGC 4231 @ 1.1',disturbed
P w NGC 4232
PA 162,P w Ho 357b @ 9',L,F spiral structure

PA 36
Ho 358b @ 1.9' is a *
PA 48,H II 17,nearly edge on
PA 174,faint extensions N-S
PA 108
PA 120

PA 25

PA 128,H III 480
PA 82
PA 48
PA 168
=NGC 4240

PA 108
PA 31
PA 130

P w NGC 4241
PA 83,H III 91

PA 100,lens shape
PA 127
Flaw on plate?

PA 48
PA 42,edge-on spindle
PA 10
SN 1967h,Norton-diff for small scope
PA 150,H V 43
PA 115
PA 98,Virgo grp memb,P w IC 3134 vF,vS,E

PA 143
PA 160,NGC 4264 @ 3.4',NGC 4257 @ 7.1,UGC 7360,3C270
PA 58
NGC 4261 @ 3.4'

Sheet1

PA 55
H III 535
= NGC 4263
PA 48
PA 76

PA 110, In group w NGC 4273 & 4281
PA 137
PA 104, Saturn-like inner ring w F outer halo

PA 10, SN 1936a, NGC 4277 @ 2.0'

Triple chain w NGC 4283 @ 3.6', NGC 4286 @ 8.8'
PA 10, P w NGC 4290
PA 110, P w NGC 4319
PA 88

Triple chain w NGC 4278 @ 3.6', NGC 4286 @ 5.2'
PA 34
possibly = 3 * between 4279 and 4285?

PA 130, P w Ho 371b @ 2.2'

PA 150, 3 Chain w NGC 4278 @ 8.8', NGC 4283 @ 5.2', H III 300
PA 90, in field of 70 UMA
PA 1
PA 7, comp (Ho 375b, ?NGC 4292A?) @ 2.2'

PA 72, Spiral pattern dim, heavy dust lanes

PA 100
PA 155, NGC 4299 6' east
PA 15

PA 132, NGC 4303 @ 10.0'
PA 140

PA 42
PA 26
PA 160, NGC 4291 @ 7.4'
PA 178, Nearly edge-on spiral w equatorial dust lane
D* 9.0 & 9.3 mag 50" sep, No neby
SN 1926, 1961, 1964, NGC 4301 @ 10.0', H I 139, L face-on spiral

PA 24, spindle shaped edge on

PA 32
PA 140

PA 85

PA 128,=NGC 4311

PA 2
PA 170

PA 143,spindle shaped edge on

PA 65
PA 113
PA 130

PA 30,SN 1901-14-59,NGC 4322 @ 5.2',NGC 4328 @ 6.1'
PA 145,SN 1955e

PA 170,NGC 4325 @ 4.9'
NGC 4321 @ 5.2'
PA 175
PA 53,Ho 388b @ 1.1' is a *
PA 145,NGC 4339 group,NGC 4339 @ 5.7'

PA 59

PA 99
PA 50
PA 135

Brightest of 3,NGC 4333 @ 4.0',NGC 4326 @ 5.7'
PA 162,H II 406
PA 133,based on UGC and Zwicky
PA 168,H III 96,edge on lenticular,4 F galaxies north
Member of Virgo group of galaxies
PA 102,Theta struct,NGC 4350 @ 5.7',comp @ 2.3'
Ho 390b @ 1.7' is a *
PA 23
PA 15,Low surface brightness

PA 38,Spindle shaped edge on

Sheet1

Asterism?

PA 96, based on UGC and Zwicky, H III 95

PA 28, NGC 4340 @ 5.6', lenticular

PA 77

P w NGC 4358

Possible member of Virgo group of galaxies

PA 102

PA 80

PA 108

=NGC 4418

PA 40, H III 481

PA 145

PA 40, NGC 4370 @ 10.0'

PK294+43.1

PA 135

PA 5

PA 83, NGC 4365 @ 10.0'

PA 95

Coma Berenices star cluster

PA 135, Markarian's chain, NGC 4387 @ 10.5', center of Virgo cluster

PA 90

PA 157, possibly 49' north of NGC 4378

PA 167, possibly 49' south of NGC 4376

PA 177

PA 105

PA 43

PA 153, spiral pattern amorphous

PA 149

PA 28, comp @ 2.6'

SN 1960r, P w NGC 4394 @ 7.8' foll

PA 105, Peculiar

PA 82, SS VIR in field

PA 157, Member of Virgo group of galaxies

Sheet1

PA 0,=IC3323=3329

PA 147

PA 92,edge on lens shape,16' SE from M 84

PA 140,NGC 4374 @ 10.5'

PA 95,H III 39

P w NGC 4382 @ 7.8'

PA 125,H α 400b @ 6.2' is a dble *

PA 90,NGC 4406 @ 10.0',edge on w dust lane,10 N from M 86

PA 20,H II 88

PA 130,Markarian's chain,comp superimposed @ 1.4',NGC 4402 @ 10.0'

PA 27

PA 155

H III 17

NGC 4411B @ 4.3

PA 110,Double system w NGC 4410B @ 0.3',contact

PA 110,Double system w NGC 4410A @ 0.3',contact

PA 60,12' ESE from NGC 4388

PA 0

NGC 4411A @ 4.3'

PA 49,comp @ 2.8',H II 155,edge on lens shape

PA 59

PA 8,H II 23

PA 133

PA 20

PA 72,Member of Virgo group of galaxies

PA 18

Member of Virgo group of galaxies

PA 95,SN 1895a,comp @ 0.6',NGC 4417 11' NW

PA 27,lens shaped,19' SE from M86

PA 80,NGC 4432 @ 2.4'

PA 99,oval w large outer ring

Sheet1

PA 177,NGC 4440 group,NGC 4436 @ 3.8',NGC 4440 @ 6.4'
PA 79,Compact spiral,P w NGC 4433 @ 7'

P w NGC 4430

PA 130,P w UGC 7608

PA 5

PA 45

PA 13,Markarian's chain,NGC 4438 @ 4.3' SSE

PA 118,NGC 4440 @ 3.3',NGC 4431 @ 3.5'

PA 27,Markarian's chain,NGC 4435 @ 4.4',long filaments

PA 150

Brightest of 3,NGC 4436 @ 3.6',NGC 4431 @ 6.8'

PA 87

PA 82,NGC 4447 @ 1.6',one arm bridges to NGC 4447

PA 94

PA 45

PA 106

NGC 4446 @ 1.6',one arm bridges to NGC 4446

PA 130

PA 175

Asterism?

PA 162

PA 30

PA 40

Asterism?

double nebula

PA 32,cigar shaped edge on

PA 16,Nearly edge-on spiral

PA 100,comp @ 2.0'

Markarian's chain,NGC 4461 @ 3.7'

Incl D* R 200

Brightest quasar,Finder Astronomy Mag Dec 79 pg 56

PA 9,Markarian's chain,NGC 4458 @ 3.7'

PA 110,comp @ 2.2',NGC 4468 @ 8.5',NGC 4474 @ 13.5'

PA 124

PA 0

PA 89,edge on w box shaped central section

PA 101,Ho 412b @ 2.1' is a *

Sheet1

NGC 4472 @ 4.2'
PA 73,NGC 4474 @ 5.6'
PA 0,H II 18

PA 5
PA 155,NGC 4467 @ 4.2',NGC 4470 @ 10.5',NGC 4465 @ 5.8'

PA 100,Markarian's chain
PA 153
PA 80,spindle shaped

PA 25,NGC 4478 @ 4.5'
PA 15,Markarian's chain,NGC 4479 @5.3'
PA 145,H III 40

PA 140,NGC 4476 @ 4.5',NGC 4486 @ 8.6'

PA 175
PA 15,disrupted,P w NGC 4490 @ 3.5'
NGC 4486 @ 7.3'
PA 125,disrupted,P w NGC 4485 @ 3.5'
PA 65
PA 5
Face On
B in Virgo cluster,NGC 4486A @ 7.5' ssf,NGC 4486B @ 7.3'
P w NGC 4498 @ 12.6'
PA 75,Coarse structured spiral
PA 148,IC 3446 @ 6.4'
NGC 4486 @ 7.5'
H II 499
PA 148,double system

PA 130
PA 130
PA 166,Member of Virgo group of galaxies
PA 65,H III 42
H II 36
PA 70
PA 133,P w NGC 4489 @ 12.6',comp @ 4.5'
PA 153

PA 15
PA 140,comp @ 6.9',mult arm spiral
PA 40
PA 93
PA 12
PA 110

Sheet1

PA 145

PA 20

PA 30,NGC 4517 @ 17.0', given as R 80 in Burnham's

PA 80,P w NGC 4521 @ 4.1' nf

Member of Virgo group of galaxies

PA 30

Copying error

PA 83,NGC 4517A @ 17.0',long narrow streak w dust patches

PA 32

PA 167,P w NGC 4512

Low Surface Brightness

PA 155,sf of 2

PA 0

PA 145,Ho 418b (NGC 4519A?) @ 3.0'

PA 33,edge on spiral

PA 125,Member of Virgo group of galaxies

PA 53

PA 104,=IC 799,H II 757

PA 80

PA 125

PA 113,lenticular,between two 7th mag stars

PA 67,SN 1915a,NGC 4536 @ 29.0

PA 5

PA 155

PA 161,NGC 4536 @ 8.2'

PA 160,tadpole shaped br portion to north

PA 0,Ho 420b @ 5.0',S-shaped spiral

PA 130,NGC 4533 @ 8.2',high tilt spiral w long curvd arms

PA 8

PA 95

PA 28

PA 40,IC 3528 (Ho 421b) @ 1.5' nf,comp @ 4.3'

Sheet1

PA 91

PA 150,NGC 4571 @ 27.0',H II 120,F outer arms in S patrn

PA 48

PA 48

PA 78

PA 161

PA 178,NGC 4551 @ 3.0'

PA 125

PA 70,NGC 4550 @ 3.0'

PA 80

PA 150,SN 1941a,multi arm spiral

PA 155,P w NGC 4589 @ 7.5' nf

PA 80

PA 176

PA 30,H II 407

PA 136,NGC 4562 @ 13.4',classic edge-on galaxy

PA 102,UGC 7774 is plotted twice on U2000,del obj at +44

PA 47,11' N from NGC 4567-8

Member of Virgo group of galaxies

PA 23,NGC 4567 @ 1.2',overlaps 4567,Siamese Twins

PA 85,NGC 4568 @ 1.2',Siamese Twins

PA 0,P w NGC 4569

PA 159,lens shaped,in field of R VIR

PA 23,IC 3583 @ 6.0',vseBN in B diff bar w much dark matter

PA 55,comp @ 4.6',NGC 4548 @ 27.0',H III 602

PA 90,P w NGC 4572 @ 7.5',NGC 4648 @ 22'

PA 159

PA 35,Ho 429b @ 3.5'

PA 113

PA 150

PA 95,fine compact spiral

PA 106

PA 165

Sheet1

PA 173
PA 5
PA 115
PA 48
PA 57
PA 37
PA 97

PA 65, Member of Virgo group of galaxies

Extended central mass w extensive outer arms, NGC 4602 nr

PA 90

About 200* mostly faint

PA 110

PA 90, H I 43, dark equatorial lane, Sombrero Galaxy

PA 135, NGC 4608 @ 19.0', disc w projecting ansae

PA 125

PA 49, Reversed Z structure

PA 60

PA 144

PA 37

PA 105, IC 804 @ 10.0'

PA 160

PA 16

PA 33, NGC 4607 @ 4.0'

PA 27, S shaped spiral

PA 179

NGC 4596 @ 19.0'

PA 2, NGC 4606 @ 4.0'

PA 175, NGC 4615 group, NGC 4615 @ 2.4', NGC 4613 @ 2.8'

NGC 4615 group, NGC 4614 @ 2.8', NGC 4615 @ 2.1'

PA 126, UGC 7857 @ 7.5'

PA 125, Brightest in group, NGC 4613 @ 2.1', NGC 4614 @ 2.4'

PA 25, P w NGC 4625 @ 8.3'

PA 145

PA 70, P w NGC 4589 @ 22'

P w NGC 4618 @ 8.3', H II 660

PA 10, P w NGC 4631 @ 2.5'

PA 165, B diff N, smooth arms

PA 86, P w NGC 4627 @ 2.5'

Dwarf irr, bright cond. on south side of nuc 0.6'

PA 176

Sheet1

PA 74

Near Coalsack

PA 46

PA 40

PA 63

PA 10

PA 170

PA 5,NGC 4686 group

PA 30,NGC 4634 @ 3.5'

PA 156,NGC 4633 @ 3.5'

PA 1,NGC 4686 group

PA 150,H II 38

PA 125,NGC 4637 @ 1.5' sf,stubby lens shape

PA 97,NGC 4638 @ 1.5' np

PA 45

PA 123,comp 2.9',NGC 4654 @ 17.5'

PA 33

PA 37,NGC 4653 @ 9.6'

PA 48,saturn-like central mass w projecting ansae

PA 125,NGC 4649 @ 2.5'

PA 154

PA 105,NGC 4647 @ 2.5'

PA 80

PA 33,NGC 4657 superimposed

PA 30,NGC 4642 @ 9.6',NGC 4666 @ 20.0'

PA 117

PA 128,H II 126

superimposed on NGC 4656

PA 52

PA 83

PA 20

PA 55

PA 100,comp 5.5',25' SSE from M60

PA 173

PA 17,NGC 4686 group

PA 3

PA 158

=NGC 4665

PA 116

Sheet1

H I 142
PA 90,P w NGC 4673 @ 5.6'
PA 42,NGC 4668 @ 7.3',NGC 4653 @ 20.0',edge on

PA 170,P w NGC 4670 @ 5.6'
PA 9,NGC 4686 group
PA 5,NGC 4666 @ 7.3'

PA 119
PA 8
Double system,H II 326,One of the Mice Galaxies
PA 146,Bridge,long plumes,One of Mice Galaxies
PA 134
PA 3,Brightest in group
PA 30
= IC 824,NGC RA 3' too small,RNGC wrong about NONEX
PA 55
PA 174
PA 167
PA 155
PA 34
PA 23,vB elongated foreshortened nucleus
PA 83

PA 8,NGC 4686 group
PA 4
PA 40

PA 130
Ho 462a @ 6.8'

H II 381
PA 150
PA 139
PA 85
PA 140
PA 25
PA 132
PA 170
PA 0
PA 70

PA 40,H II 412
PA 95

PA 45
PA 45,edge on spiral
PA 45
PA 150

Marked, but not labeled on Uranometria 2000

PA 27, equatorial dust lane

PA 160, NGC 4725 @ 12.0'

PA 125

PA 50

PA 20

PA 100

PA 24

PA 8

Dark ring surrounds nucl

PA 35, P w NGC 4712 @ 12.0'

PA 95

PA 105

PA 165

PA 95, Open structured spiral

PA 34

Ho 473b @ 0.9' is a *

PA 158

PA 145

= IC 3833

= IC 3834 = NGC 4740

PA 30, P w NGC 4725 @ 24.0', filam to NE

PA 75, Group w NGC 4760 & 4781

Herschel's position was approximate only

PA 120

PA 176

Sheet1

PA 23,P w NGC 4762 11' to NW
PA 80,SN 1965i
PA 122
PA 160
=IC 3834 = NGC 4726

PA 175
PA 32,NGC 4754 @ 10.5',thick streak w tufts at ends
Adjacent to Southern Cross

PA 114

PA 80

PA 133,edge on
PA 147
PA 90
PA 81

H II region?
Jewel Box Cluster,50 * mags 6..10,many tinted *
Compact face on spiral
PA 70

PA 15
PA 0
PA 2
PA 35,P w NGC 4789 @ 5.0'

P w NGC 4789A @ 5.0',NGC 4787 @ 3.0'
PA 120,Coarse spiral
PA 25
PA 50

PA 170,NGC 4775 18' to SE
PA 110
P w NGC 4782 @ 0.7'
Contact P w NGC 4783

Sheet1

PA 30
PA 90
PA 99
PA 11,north comp NGC 4810 @ 0.8'
PA 67,south comp. NGC 4809 @ 0.8'

PA 30

PA 115,NGC 4796 superimposed,NGC 4791 @ 4.8'
NGC 4791 @ 4.8'
PA 165

PA 91

PA 135
comp @ 1.4'

PA 15

PA 127
= NGC 4802,H IV 40

PA 10,Compact core fine streamers

PA 160,P w NGC 4821 @ 1.8'

P w NGC 4819 @ 1.8'

PA 35
PA 115,Blackeye Galaxy,dark marking nr center

PA 70
PA 0
PA 35
PA 36

PA 0

PA 110

PA 65,NGC 4842 @ 2.6',comp. superimposed @ 0.4'
NGC 4839 @ 2.6'
RNGC indent wrong
PA 157

Sheet1

separation from NGC 4841B is 0.7'

separation from NGC 4841A is 0.7'

PA 25

PA 62

PA 90

Asterism?

PA 89,edge on w dust lane

PA 158

Star superimp 30" SE of center of NGC 4838

PA 150

PA 175,P w IC 838 (=Ho 495b) @ 1.9'

Possible member of Virgo group of galaxies,sev br knots

PA 95

PA 15,N 4861 is B emission path SW of IC 3961,Comb mag=12.8

Sa 153-4,158-60 nearby

P w NGC 4914 @ 18.6'

PA 35

PA 87,UGC 8091 @ 11.8',lens shaped

SN 1968b,NGC 4889 @ 7.2',2nd Brightest in Coma cluster

Dense GALCL for amateurs,72 brighter than 15 mag in 2 deg

Sheet1

PA 13

PA 165, Ho 497b @ 1.7' is a *

PA 80, B in Coma cluster, NGC 4872 @ 0.8' sp, NGC 4886 @ 1.1' np
Double system, Contact

PA 153

PA 10

PA 5

Star 2' np NGC 4897
Member of Coma group of galaxies

PA 155, P w NGC 4868

PA 160

PA 20
Theta shaped center, triskelion arm pattern
PA 25

= NGC 4879, H II 778
PA 140
Not found
PA 165, SN 1959b
Double system w halo, Symbiotic streamer
NGC 4918 @ 6.3'
PA 73

NGC 4926A is 3.4' nf

Sheet1

PA 28
NGC 4926 is 3.4' sf
PA 30

PA 62, Brightest in quadruple group

PA 0

PA 50
PA 78

Similar to NGC 210
PA 104

PA 89, comp. @ 1.1'

PA 40

H III 937
PA 15
PA 145, = IC 4136, H III 761
PA 10, Well defined spiral

PA 11

= IC 4156

PA 23

PA 90, Nearly edge on

PA 100, P w NGC 4961 @ 12.5'
PA 43, Nearly edge-on
PA 134
PA 10
PA 131

PA 15, Lenticular

PA 100, P w NGC 4957 @ 12.5'
Dwarf spiral

Sheet1

PA 46
H III 782

PA 143

PA 55

PA 56

PA 137,H III 765
PA 100,P w 4202 @ 13.0',H III 346
PA 142
PA 35

PA 135

PA 70
double system
PA 161
Ring shape
Mostly Face On
PA 155

PA 10
PA 90
PA 168
double system
PA 135,In group w UGC 8214,8234 and 8237

PA 0
PA 40
PA 35
PA 160,asym spir w 2 open massive arms
PA 95,Dense spiral

M 51 case?,vF cond at tip of spir arm at 0.9,165,or *?
= NGC 4993
PA 26
PA 83

PA 173,compact

Sheet1

PA 75

PA 65,P w NGC 5033,eBN in B lens;sev knotty arms
PA 172,late spiral,brightest of 3,UGC 8260

PA 10,P w UGC 8290

PA 102

PA 170

PA 50,sBN,weak bar,sev knotty filam arms w many branches

PA 174

PA 78

PA 28

PA 15

PA 90

PA 60

PA 55

PA 120

Appr. 50/50 Face & Edge On

PA 85

P w NGC 5012

PA 150

PA 105,Many blue patches along the arms

PA 57

PA 154

1 deg NE of Alpha Comae

PA 112

MCG +06-29-061

PA 21

PA 170,P w NGC 5005,svBN in B bulge w spir patt of dk lanes

PA 35

PA 52

PA 150

PA 150

PA 40,Nearly edge on,13' SSW of NGC 5044

Sheet1

NGC 5037 and two other F galaxies in field

PA 140

PA 22

PA 160

PA 75

PA 35

PA 105,vsvB stell. N in B inner lens,many filam

PA 120

PA 48

PA 0,Brightest in cluster,NGC 5057 @ 6.0',PA35

PA 50

Low surf brightness,1 deg sf M 53

Comp superimp

PA 160,Three branch spiral

PA 8

PA 150

PA 55

PA 90

PA 130

PA 110,Coarse spiral,NGC 5087 in field

PA 85

PA 38

PA 103,Comp superimp at 0.9'

PA 150

PA 148

NGC 5088 and two other F galaxies in field

PA 143

PA 40

PA 120,Peculiar,dif irr outer disc,prob twisted plane

Sheet1

PA 148,Dust lane,Nearly edge-on
Triple connected system

PA 80

PA 131

PA 0,13' ENE from NGC 5077

Double system in halo

PA 10

PA 38

PA 143,acicular? main body w arc-shaped filaments,poss rings

PA 126

PA 102

PA 153,NGC 5113 at 5' nf

PA 23

Double system,distorted

PA 130

PA 170

PA 128,P w NGC 5112 at 13'

PA 130,P w NGC 5107 at 13'

PA 48,17' nf Iota CEN

Asterism?

PA 97

PA 150,blue post-eruptive distorted spir w numerous conds and jets

PA 40,vsBN v narrow bar 2 main filam branch arms

PA 154

PA 2

PA 100

PA 75,S cond in halo,spiral,2nd brightest in cluster

PA 170,np of 2

PA 81

PA 80

PA 10,double syst,total m=15.6,brightest in cluster

Sheet1

PA 75
PA 36

PA 80,P w NGC 5142 at 2.3'
PA 9

PA 57

PA 5,NGC 5143 at 2.3' n,pec?

PA 90,extensive F outer disc
PA 116
PA 155,Oval w hazy arm pattern
PA 35,Dark central band,radio source

PA 155,P w NGC 5154 at 6.1'
Asterism?
PA 52
PA 120,Diff bar,no N,b * super
PA 137

24 Gal/Deg, Size = Square Degrees
Stars mags 11...,finest globular,magnificent object
PA 10
comp at 4' PA 281

hints of eF outer disc
NGC 5188 in CGCG is incorrect
PA 115
PA 117
PA 175
PA 162

PA 67,Two 15 mag small companions w in 5'
PA 103,P w NGC 5173 at 5'

P w NGC 5173 at 5'5

PA 45
PA 77
PA 145,complex spir pattern in centr reg,2 asym outer arms

Sheet1

PA 160,CGCG 'dbl nebula' is incorrect;* superimp

PA 10,in a dense part of the cl

PA 103,spir,sBN,main knotty arms,poor res

PA 95

PA 25,vB core in F ext halo,double system

PA 5,M 101 group,no def N,BM,highly res irreg arms

PA 106

PA 127,Edge on spiral w some dark lanes

PA 58,P w NGC 5181 at 8.4'PA 216

PA 163,Whirlpool Gal,interacting pair P(b) at 4',classic spiral

PA 10,NGC 5218 group

PA 79,Interacting P w M 51,peculiar

PA 120,P w NGC 5184 at 3.7'

PA 135,P w NGC 5183

red E w compact core,vB vS diff N,in lens

PA 120

PA 170

PA 12,cigar-shaped w faint envl

PA 85

PA 104

PA 0

PA 140

Crvd plume to SW,thin bridge to N 5218,known as Keenans sys

PA 85

PA 100,Long bridge,plume Seyfert,P w NGC 5216

PA 162,early spir,NGC 5209 at 3.7'

compact,NGC 5210 at 9.7'

Sheet1

PA 140,nf of 2
sharp edge
PA 30,similar to NGC 210

PA 16

PA 167
brightest in group w at least 6 galaxies
Brightest in subgroup in CGCG,NGC 5228 at 5.7' PA 22
NGC 5223 Group

streamer or disturbed arm southeastw from n part
PA 160,Pair of blue post-eruptive Sc's w compact nuclei

Disrupted spiral,streamer in both directions
broad streamers from s side,prob distort by NGC 5222 at 5.4'

PA 80,NGC 5223 Group

PA 145
PA 170,P w UGC 8595
Brst in group,disturbed by NGC 5222 @ 9.5',well def spiral
alm stell
PA 60
PA 97

PA 120
PA 126
PA 40
PA 48
dif irr annex n,disrupted spir arm?

Asterism?

Fast SupNova producer-4 in 50 yrs
2m30s,3' Error in NGC position

PA 0
PA 110,eBN in vB lens w many dk lanes

PA 170
PA 128
PA 20,Fine S-shaped double arm spiral
post-eruptive pair of patchy compacts,w ext plumes,jets,halo

Sheet1

PA 10,15mag comp at 7' PA 126

compact

PA 17

Double system

PA 125

PA 61,P w NGC 5258,disrupted bridge

PA 45,SN in 1895 & 1975

PA 154,galaxies w appearance of fission,adj loops,B complex lens

PA 26,Small faint comp 3' in PA 120

PA 56

PA 110

Seyfert

PA 117,pair of blue dbl intercon Sc's w cross-jets,Arp 239

vsvBN,sh bar,2 main smooth arms,distorted

PA 10,P w NGC 5276,diff Nuc w 2 weak dark patches

Lord Rosse-sev dark marks within 5' of center

PA 20,pec,double system?

PA 153,P w NGC 5273 at 3',vB bar or lens

PA 19

B core,dif asym env ext eastw

Seyfert w long streamer

PA 100,B centr reg surrounded by a B ring

PA 95,B bulge part hidden by dk lane & asym abs Poss edgewise SBb

PA 163,compact, sev F galaxies nearby

PA 177,P w NGC 5297 at 1',sBN

PA 148,P w NGC 5296 at 1'6,vsBN,B lens w knotty arms

PA 151,B bulge part obs by dk lane,vSN or no def N, 2 main arms

Sheet1

PA 120,vsBN,2 main filam arms w some knots and branch.
PA 60,slightly asym,vBN,diamond-shaped
PA 168
PA 55

hints of 2 short jets or streamers on sf side
PA 30,P w UGC 8724
PA 69
PA 150,face on spiral
PA 12,disturbed?

PA 153
PA 110

PA 63,Brightest of group of 9 pF and 25 F members in 3 X 2 deg
PA 95,B diff. N,smooth neb

PA 40
PA 146
double system

PA 18
Bright Milky Way field not true cluster
NGC 5321 4.7' sf,Brightest in group

PA 137

PA 152
PA 0

PA 115
PA 90,Brightest in group,both comps are 15 mag
vB core,several vF comps within 10'
spirals;long v dif streamer on p side

PA 20

Sheet1

PA 164
PA 87
PA 15, Low surf bright, H III 665
PA 90

PA 82, P w NGC 5351 at 3.5' PA 57, sev objs near
PA 158
PA 130
PA 97, v lg grp of S F galaxies nr mbrs of CGCG cl
PA 100, P w NGC 5349, sBN w knotty arms
PA 145, P w NGC 5354 at 1.3' n, vsBN, lens: diamond shaped
similar to N 1316, P w NGC 5353 contact
PA 40, NGC 5353 at 5', vsvBN in B bar, 2 knotty arms

PA 35

PA 50
PA 138

PA 120
PA 177
PA 50
PA 10

PA 140, Peculiar

PA 88, short streamer s or superimp comp?
PA 18, In M101 group, MCG +09-23-017
PA 15
PA 70, sBN, weak bar

PA 60, P w NGC 5389 at 4.1' f vsBN
PA 70, P w NGC 5364 at 8'
PA 0, vsB dif N, weak bar, sev knotty filam reg arms
PA 23
PA 3, P w NGC 5379, vBN w strong dk lane on one side
PA 135, P w NGC 5364 at 14.5' 2 B dif N in contact
PA 30, sBN in smooth cent w dk matter
PA 20
PA 92

PA 0

PA 90, P w NGC 5380 at 11'
P w NGC 5378 at 11'
PA 85, eBN w complex str, weak bar & lens w dk lanes, 2 arms

Sheet1

PA 20,sev faint comp in field

Adjacent to bright nebula NGC 5367

Double neb incl IC 4347

PA 4

PA 45

PA 17

PA 56

PA 25,P w NGC 5386 at 5.2',sev comps nr

PA 167

PA 51,P w NGC 5382

PA 51

PA 22

P w NGC 5395 contact pair,distorted,eBN or *

PA 167,spir galax w lg high surf brightn comps on arms

PA 88

PA 81

PA 145,strong slightly asym abs feature,sp of 2

PA 120

Asterism?

PA 75,asym,ecc bar,blue patches along edge,P w UGC 8932

PA 152,svBN w B lens,listed as N 5423 prob misprint

PA 0,svBN in B lens w B rim,*superp 22" from N

PA 127

PA 100

PA 172

PA 60

PA 50

Double system in contact,distorted

PA 140,sf of 2

PA 172,Br of 3,vB main body w asym env streamer southeast

PA 9

PA 120

Sheet1

PA 110,chaotic spir pattern
PA 44,only bar vis on PA prints
PA 34
PA 3,3rd of 3
knot on the arm of NGC 5457 = M 101
knot on the arm of NGC 5457 = M 101
knot on the arm of NGC 5457 = M 101
PA 75,NGC 5431 at 4.8' PA 75,sev comps <15mag near
knot on the arm of NGC 5457 = M 101

PA 115,vBN w F bar
PA 110

PA 50,NGC 5444 Group,Comp 5' PA 154
knot on the arm of NGC 5457 = M 101
knot on the arm of NGC 5457 = M 101

knot on the arm of NGC 5457 = M 101
P w NGC 5434B at 1.5
P w NGC 5474,SN 1909,spir galax w one heavy arm,B knot E

PA 90,P w NGC 5445 at 6.6',Brightest in group
Face on spiral,P w NGC 5426 @ 2.8' south

PA 10,P w NGC 5427
PA 27,NGC 5444 Group
PA 126,NGC 5437 at 3.4' PA 154

knot on the arm of NGC 5457 = M 101

knot on the arm of NGC 5457 = M 101

knot on the arm of NGC 5457 = M 101
PA 110,P w UGC 8996 15.5mag 1.7'x0.2'
PA 160,svBN,sh. bar,F lens,in field of M 101
PA 3
PA 175
PA 10
PA 160

low surf. bright,smooth part res cent w vsFN,strongly asym
PA 166

Sheet1

PA 95
compact

PA 49,sp of 2,UGC 9017
PA 0,P w NGC 5481 at 3.2,svBN,sev filam branch,arms poor

PA 63

PA 115,P w NGC 5480
svB elong N or bar,* nr = NGC 5467
P w NGC 5485 at 3'9,Dim
PA 35,sB elong N not in cent of B lens,P w NGC 5468 at 5'
PA 85
PA 170,P w NGC 5484 at 3'9,NGC 5486 at 6',sBN in B lens
PA 80,P w NGC 5485 at 6'

PA 22
PA 40

PA 88

+ IC 4404 Double system,Bridge,spir?,compact,sep 0.7

PA 5,Brightest in group,sev 15m comps w in 10'

At 5' nf NGC 5490,7' s of IC 983

PA 173
PA 75,f of 2
PA 25
PA 150,asym spindle,spir
PA 78,s of 2,contact pr,UGC 9072

PA 150
PA 120
PA 120,vB diff N in B diamond-shaped lens;F nearly circular envel
PA 172,edge on w streaky dust lanes
PA 129

Brightest in group

PA 66
PA 130

Sheet1

PA 130
PA 108

PA 125

PA 115
PA 40
PA 95,P w NGC 5507 at 4'
PA 55,P w NGC 5506 at 4'
Double contact system is distorted w plumes
PA 40

PA 136,f of 2
PA 75,P w NGC 5514

PA 50
PA 99,BM,no def N,many filam knotty arms

PA 23,strong absorption along edge
PA 115,dwarf irreg,v poor res.,almost exactly edgewise
PA 169

PA 30,vBN weak irreg out arms
one-armed spiral w massive bar,P w NGC 5541 at 5.5'
sev galaxies near
Double system
P w NGC 5531 at 5.2',SO w S comp superimp ssf center

P w NGC 5545,disturbed,Arp 199
PA 58,svBN,B cent lens (or bar),2 main B arms,in front of N 5544
PA 133

Multiple system

PA 110,Seyfert,slightly asym,eBN,F spir patt in lens

NGC 5543 at 3.5'

PA 105,BN,no struct

Sheet1

PA 100
PA 88
PA 120
PA 127

PA 67

Peculiar

PA 53
PA 30,M 101 group

PA 115,vBN in strong forsh. bar:weak extens of arms,distort by 5566

PA 35,double galax
PA 165,asym 3-armed spir,one arm broken,no disturbing obj vis

PA 148
vsN in B sh bar,F poor,res. arms.

PA 25

PA 63,svBN,diff lens w less flattened envel
PA 95,triple group w NGC 5574 at 2.9' and NGC 5577 at 10.3'

PA 56,sBN,v fine arms,NGC 5576 group

P w NGC 5590 at 4.8'
PA 80,vB main body
P w NGC 5589

PA 162
PA 166
PA 100
PA 140,sh. B bar in lens,sev. part. res. branch filam arms
Annular,N2-- Stellar ?,pB diffused disk 20"--Hartung

Sheet1

PA 50,5603 group

Double system,arc-shaped disrupted obj w compact comp

Brightest in group,P w UGC 9216,MCG ID as NGC 5601 wrong
H III 135

PA 95,hints of spir pattern?,ecc nucl

PA 160

vB core or N,asym outer arms

PA 88

PA 63,comp at 3' pa 10

NGC 5614 superimposed,P w NGC 5613 at 2' PA 351,disturbed

svBN,broad eF bar

PA 157,2 or 3 conds in n part,asym

PA 108

PA 50

PA 95

PA 15

PA 85

PA 71,many knots

PA 90

PA 3,Peculiar?

vB diff N w F dk crescent on one side,in lens 0'5x0'5,F env

PA 86

PA 17

PA 10

PA 10,neutral Sb

PA 98

PA 45,2 unequal arms,bent in opposite directions?

PA 90

Brightest in group that incl IC 1018 and IC 1019 both 15 mag

PA 175

PA 120,brightest in subgroup

PA 65

PA 115

PA 98

Sheet1

PA 10,slightly asym,high surf brightn
PA 130,f of 2
PA 158
PA 81
11 mag star on E edge
PA 150,UGC 9308,P w NGC 5636 at 2',Brightest in cluster
PA 40,NGC 5638 group,vsBN,F bar
very compact
PA 127
80' W of Alpha CEN
PA 145,Peculiar double nucleus
PA 90,Irrl,P w NGC 5676 at 30.5'
PA 163
PA 120,vBN,B knotty arms
PA 50
P w NGC 5647 at 4.1',Brightest in cluster
PA 168
PA 80,B bar: sev. knotty arms w some branch.,asym.
PA 0,p of 2,P w NGC 5644
PA 172,P w NGC 5649 at 5.5'
PA 163

PA 117

PA 43
Asterism?

PA 136,P w IC 1029 at 9.7' PA 290 2.8'X0.5' 14mag

PA 23,nf of 2,UGC 9345 at 6.5' 15.4 mag
PA 5,complex patt of dark lanes smooth outer arms,slightly asym

PA 145,peculiar br cond in arms
PA 137

PA 50,short bright bar
PA 50,appears acircular,dif in blue,v red
PA 47,N 5660 at 30' IC 1029 at 26',Many B knotty filam
PA 155

vs not vB N,BM,many part.res.irreg.branch.arms.

IC position 0.7m and 3' off,but description fits

PA 63
PA 135,slightly asym,high surf brightn.

Sheet1

PA 127,P w NGC 5683,disturbed

PA 105,B diff N,eF envel
2nd of 3,contact group
PA 127

PA 85,diff Nucl in B bulge w strong dk lane on one side
PA 74
PA 5,confused w NGC 5683 m=15.5,NGC 5689 at 15.8'

PA 105,sev faint comp in field,all 15 mag and fainter
incorrectly listed as NGC 5684 in UGC Notes for UGC 9402

one main knotty arm,strong asym, NGC 5689 at 11'

PA 25,B wedge-shaped main body in asym disc
PA 45
PA 38
PA 70
PA 150
PA 35,comp 1.5' PA 26
PA 143,BM no def N,sev arms w dk lanes,vB*at3'

PA 110,vB bar or core;one smooth,massive outer whorls,strong asym
PA 82,NGC 5717 at 4.8' nf 0.9'X0.5' m=15.4

PA 177,B patches,prob. v late spir
PA 35
PA 140

PA 150,comp 5.4' PA 254 0.6'X0.3'
PA 105,NGC 5706 at 2.1' PA 311 0.4'X0.3' m=15.7,* superimp
P w NGC 5723
P w NGC 5721

Several vF,vS comps in field

P w NGC 5711 at 3.5' PA 155
PA 73,P w NGC 5710
PA 85
Rich w eF stars,distant globular
PA 75,NGC 5713 at 26.5' PA 12
PA 115,ident uncertain,NGC 5730 appears most probable
PA 88,chaotic
PA 75,NGC 5713 group,NGC 5719 at 11.5' interact?

Sheet1

PA 135

PA 40

PA 85,P w IC 1042 contact pair

PA 107,vBN in bar strong dk lanes on lens and on near side

PA 40

PA 85

PA 160

PA 40, RNGC ID wrong

PA 40

PA 30

slightly asym,main body 1.5'X1.4'

PA 148

PA 163

PA 170

PA 55

RNGC ID wrong;perhaps 14 45.2 -18 24 or 14 42.5 -18 22

PA 117

PA 160,P w NGC 5746 at 18.4' PA 26,vBN,weak bar

PA 170,vsBN in B cent.bulge,NGC 5740 at 18',edge on

PA 65

PA 38

PA 95

Arp 297,v long arms w low surf br, comp w long arm ex W

Comp to N 5754,broad asym arms w low surf brightn. bar?

PA 65,seBN in diff inner lens;broad diff bar w dk lane

comp 15mag,npp of 2

Double system w distorted bridge

PA 96,IC 4507 at 2.8' PA 183 0.8'X0.4' m=15.7

PA 40

PA 160

Near reflection nebula vdBH 63

PA 140,B main body,comp 3.2',*RA in UGC disagrees w CGCG

PA 75,GALXY @ 14 48.4 -20 10 fits descr but 14 47.7 -20 16 brighttr

PA 150,comp 3.4',PA318,0.3'x 0.1'

Double system

Peculiar P w UGC 9562,jets SW and NE
Strongly peculiar,eruptive jets,P w UGC 9560
PA 144,P w UGC 9570 at 2.8' PA 125
PA 35,vBN 0.5'X0.35',poor res
PA 120,sBN,sev knotty branch arms,poor res

Main body 0.4'X0.4',P w NGC 5771

PA 149
comp 2.0',PA178,0.9'X0.5',v dif,dwarf
PA 0

PA 145,P w NGC 5775 at 4.5' PA 123

PA 146,IC1070 @ 4',PA204,0.7X0.25,m=15.4,strong dk lane,edge on
comp 3.2',PA130,0.6X0.3,UGC 9609
UGC 9585 at 4.4',PA274 -- UGC 9585 m=16.0: 1.1'X0.5'

PA 10

sharply delineated neutral ellip. disc compact,ellip.halo.
PA 0,NGC 5797 at 7.1',sev small faint comps w in 10'
B core in vF halo,no SO;comp 4.8',PA185;NGC 5797 at 5.3'

PA 64
PA 110
v patchy spir,B cond on sf edge,NGC 5798 at 21' PA139
PA 25
PA 77
PA 42,P w NGC 5789
PA 45,unusul obj,bar and spir pattern very blue

PA 84,vsBN in broad diff bar w strong dk lane
Asym env,F streamer off SE end,D* Sh 191 8' E
PA 170
PA 163
PA 148,P w NGC 5820 at 3.7',PA233
PA 63

Sheet1

VII Zw 576

PA 170,In NGC 5846 group,eBN in B lens,NGC 5813 21' SE
Faint,iR haze 3' across--Hartung

PA 80,In NGC 5846 group. B bar: 0.3'X0.08',F asym loop,poor res

PA 50,P w comp 0.7',PA190,0.35'X0.22'
P w comp 0.7',PA190,0.35'X0.22'

PA 155

Cometary

PA 145,In NGC 5846 group,P w NGC 5814 at 5',NGC 8506 at 21'

PA 125

PA 170

PA 135,disturbed,sml F cond at np edge,disturbing comp?

PA 160

PA 31

sf of 2,interacting w comp at 1.4' PA 320 .5X0.4

Bipolar shape

PA 55

PA 25,Brightest in grp,comp 1.5' PA39 0.3'X0.2'

PA 35,NGC 5846 group

PA 43,In NGC 5846 grp,P w NGC 5848 at 18'

PA 130

PA 150,NGC 5846 group

Double system

PA 120

Brightest in group,P w NGC 5846A at 1',NGC 5850 10'ESE

Sheet1

I Zw 102, contiguous compacts, double system
PA 128, vBN w dk lane and ansae, NGC 5867 small E neb, H I 215
PA 25
PA 40, RNGC ID wrong
PA 43, In triple group w NGC 5852 (brightest)

PA 140, In NGC 5846 group, vBN w bar

PA 137, P w NGC 5859, many S galaxies near, vsvBN in B lens
PA 136, P w NGC 5857 at 2.0'
PA 55, In NGC 5846 group

PA 53
PA 70

PA 70, Member Local Group

PA 145, comp 3.1', PA190, 0.3'x0.2', F, dif
PA 155
PA 50
PA 68, in NGC 5846 group sB diff N in B lens; w blobs; poss SB
PA 0, vsBN, many filam knotty arms, poor res
PA 125, P w NGC 5868 at 3.6' PA 0
PA 125, RNGC & CGCG ID'S Wrong, UGC 9742
PA 66

PA 52, Error in CGCG 5909=5912, * superimp
Error in CGCG, MCG +13-11-011
PA 13
PA 128
PA 57

PA 20

PA 158, NGC 5886 at 4.6' sp m=15.1

not in CGCG

NGC 5895-6 at 4'3". vF bridge, total m=15.5
Same position as GALXY F 703 in Burnham's F, S, R, bM 12.8m 2'

Fneb 1' n of 5895

Sheet1

PA 0
star superimp
PA 160,UGC 9782 at 3.8' PA 50,comp 5.0' PA 239 0.5X0.1
RNGC got wrong galaxy
PA 18,svBN,sev knotty branch arms,strong asym
PA 131,NGC 5899 at 9' NGC 5901(=Ho 702b) at 1' may be a *

PA 135,P w NGC 5908 at 13'

PA 155,vs bulge nearly hidden by strong dk lane, SN 1940a
Part of NGC 5907

PA 30,Brightest in cluster

PA 154,vsBN in B bulge,strong dk lane,P w NGC 5905

st mags 11...,superb cluster
PA 168

Triple system
PA 85,not marked on CGCG map,3 patches in disc may be superimp **

PA 168,broad complex bar,smooth disc outside,no spir arms

PA 75
Triple system
PA 130
PA 25

PA 130,eBN in B bar

Brightst 6 GALXYS 15.5 mag,40 in 1/2 deg field to 17 mag

PA 155

Sheet1

PA 35,comp at 8.2' PA 225 0.5X0.3 m=15.5

PA 105,P w UGC 9841
conn. P w NGC 5930 @ 0'5. Faint I syst. at 5'5 nf
PA 163,conn w NGC 5929
PA 83

PA 147,vsBN,many B knotty arms

PA 2,interact;comp @ 4.7',PA 354,m=15.7

PA 105
Bright bar w star superimp
prob member of clust
PA 20

PA 37

Double system?,several knots w bright core
Asterism?
PA 55,vB main body 0.7X0.45,NGC 5965 at 9.1'
PA 5,=Ho 713a. (Ho 713b at 1'5 ia a *)
PA 53,P w NGC 5963

PA 169,P w NGC 5954 at 8',distorted contact pair
PA 5,P w NGC 5953,F extenson from comp
Peculiar?

compact

P w IC 4554 sep 0.25',curved plume
Double nucleus,symbiotic P w IC 4553,Arp 220

PA 100,P w UGC 9920 at 3.7' PA176 Mg 15.1
Weak

PA 136,NGC 5969 at 6.4' p 0.5'X0.3'
PA 90,IC 4563 at 4' nf spir m=15.1

PA 110,svBN w B arcs, knotty B, many filam

In group w NGC 5981-2, NGC 5985
Doubtful PLNNB

PA 145, narrow bar w low surf brightness arms
PA 140, In triple group w N 5982, N 5985, 5976, $m=15.7$

PA 88, vsBN in vB bar
PA 140, vBN; NGC 5985 at 6.2', PA290
PA 5
PA 110, s of 2
PA 13, Brightest of 3
PA 165

PA 171, sp of 2

PA 155, comp 4.0' PA 82 0.6X0.35 early spir
PA 13, P w IC 1133
misabeled, should be NGC 5983
PK finder chart incorrect, PN slightly NE of star indicated
PA 77

comp 3.4', PA 217, 0.45'X0.10', NOT 5989
PA 144, P w UGC 9991, bright narrow bar
PA 150, south foll of 2, may be disturbed by vF companion
PA 130, P w NGC 5993
PA 140, P w NGC 5992
PA 115

Contains small bright reflection nebula
Faint * near nucleus

PA 115, v late spir, $m = 15.7$
PA 110

PA 43
PA 87, Spiral distorted, P w NGC 5996

Same as NGC 6002
Same as NGC 6001
PA 90

PA 165

PA 154

PA 105,sev F gals near

PA 28,Was descr= vF,pL,R,vgbM until update 2,5,89
Fine annular shape

Disturbed ?,np of 2
np of 2
PA 174

PA 65,P w NGC 6006 at 6'

PA 168

PA 115

North foll of 2,may be interacting

PA 15,P @ 2'

PA 155,nf of 2,distorted,UGC 10126

Asterism?

PA 26

Not a PLNNB,IRAS galaxy

PA 140

PA 140

PA 160,P w NGC 6018

PA 75,P w NGC 6021,UGC 10101

PA 140,np of 2,UGC 10124

PA 70,Brightest in group

Neb brightest south of Pi SCO

Compact group of 5 or 6,VV 15

Sheet1

PA 30
Ring shape,Erroneously ID as Galxy on Skalnate Pleso
PA 137
PA 43,sev comps w in 10'
Several small clouds

15 Gal/Deg, Size = Square Degree

PA 0,P w NGC 6035 6' PA 127

PA 146,P w NGC 6037 at 3' PA 183
PK64+48.1
PA 90
IC 1170 superimposed

PA 150,P w IC 1201 at 7' PA 126

PA 165,sev comps

20 galaxies 14 to 15 mag

PA 82,P w NGC 6047 at 2' PA 173
Double system
15 Gal/Deg, Size = Square Degree

PA 40,P w NGC 6057 at 2' PA 82

North of 2,disturbed?,very diffuse
PA 105

PA 10,nf of 2
PA 120

Same as NGC 6052

PA 159

In Nor OB1?

Contains faint reflection nebula

PA 62,vF background of 6 galaxys

PA 130

Double system

Double system

PA 63,Double system,P w NGC 6077

In chain of galaxys

PA 165,P w NGC 6086

PA 0,P w NGC 6085

8 Gal/Deg, Size = Square Degrees

PA 10

Double system

PA 90

PA 131

Fine field

PA 30

Curved

PA 91

Easy grey round lies in dense field--Hartung

In bright nebula 50' north following Nu SCO

P w NGC 6099,* superimposed near center

PA 70

PA 80

Peculiar ring shape,p of 2,UGC 10309

PA 120

Extremely rich and compressed

PA 40,P w NGC 6105 at 3' PA 238,sev other galaxys near

PA 4

PA 140,UGC 10328

PA 12

Var* S NOR invl

np of 2

Same as NGC 6127

PA 25

Peculiar,P w NGC 6119,UGC 10343

PA 95
Stellar

PA 58, Low surface brightness

Two clouds 2.5 deg and 4 degrees following Nu SCO

PA 175, sf of 2, sev 15..16 mag galxs in 20', UGC 10364

PA 165

Look for central bar structure

PA 127

PA 75, Sev comps incl NGC 6145 @ 4' PA 335

Photographically 140' X 70'

Antares moving cluster
PA 145

PA 22

np of 2

PA 65
Centered on E-W chain of NGC 6146 6160 and 6173

PA 60, Brightest of 3
Asterism?

Centered on NGC 6166

PA 35, Center of cluster, many vF galaxies near

Antares involved, not IC 4606?

PA 146

PA 140

Surrounds 22 SCO, irregular shape

PA 10, P w NGC 6179 at 3' PA 31
Extremely compact
PA 111

PA 20
PA 60

PA 175, UGC 10439

H VI 40
Narrow filaments, Arp 185, UGC 10470
P w NGC 6252 at 2.4' PA 10

PA 0

Mu Nor cluster. Asterism? In Ara OB1

PA 0
Asterism?

PA 90

PA 45
PA 140, In a group

Contains B51 and B238, Narrow dk lanes extending foll Rho OPH

Double system

In Ara OB1, 30* mags 6...
PA 105, Brightest in chain of 4 incl NGC 6213 at 2' nf

PA 36

Hercules cluster, Messier said round nebula contains no star
NGC 6193 and triple* h 4876 invl

At edge of NGC 6212
PA 15, No def nucleus, B * nr center, 30' NE from M 13

PA 68

1 deg following B231
In Ara OB2

PA 15

2.4 degrees preceding bright nebula IC 4628

In Ara OB2

PA 150

Wm. Herschel placed in Planetary category by mistake
PA 135

Somewhat loose structure

Narrow north-south lane
PA 130, Peculiar disturbed by comp nf

PA 140, NGC 6238 at 6'
P w NGC 6225 at 5' PA 173
PA 58
P w NGC 6224, several vF galaxy in field

PA 33
PA 118, bright bar, UGC 10577

PA 43

f of 2

PA 78

PA 70

PA 154

PA 11

PA 5

Near emission nebula Gum 55

PA 20, Strongly peculiar w loop and plume

Table of Scorpius, If at dist of Pleiades 8 Bri *s =Sirius

PA 85, UGC 10606

PA 10

PA 88

vF comp at 0.7' PA 343 0.2'X0.15'

200 * in rich Milky field, nebula IC 4628 incl

Lord Rosse reported dark lane in cluster

30' north of 24 OPH

PA 35, NGC 6264 at 3' PA 276

PA 80, a large number of vF, vS galaxy in vicinity

PA 35

P w NGC 6285

Very compact

PA 10

PA 130,P w NGC 6276 & 6277,UGC 10656

PA 30,Brightest of 3
1 deg south following bright nebula IC 4628

Nonsymmetrical

Pale blue disk 10" across--Hartung

One of the most oblate globulars
PA 105
30' south preceding star CoD -33 degrees 11706

Triple system in vF halo
PA 90
Stellar

PA 60

PA 78,Bright main body w one arm on p side,UGC 10725
About 15 F*

Curved

PA 166,P w NGC 6307 at 2' nf
PA 145
PA 69
PA 155
In patchy region following B44
PA 115
PA 130,P w IC 1242

Not a PLNNB,compact H II region RCW 117
P w UGC 10703 at 3' np 15.5m
Lies south of tip of Pipe nebula

PA 156
PA 120,Brightest of 3,IC 1254 at 7' PA 320,UGC 10762

Triple interacting system

2.7 deg following bright nebula IC 4628
In patchy region following B44

PA 150,disturbed,In NGC 6314 group
1.5 deg south of stem of Pipe nebula,Curved

PA 175,Brightest of 3

PA 85
Stellar
PA 172
Bug or Bipolar Nebula,much flattened figure 8 shape

Box Nebula

Sev galaxys near

PA 42
1 deg south preceding B63

Sheet1

PA 150, Brightest in group, UGC 10784

PA 160

3 deg north-north foll Theta OPH, w a globule at prec end

30' south preceding B63

PA 170

PA 118

PA 10

Lord Rosse saw spiral structure

30' preceding globular cluster M9

PA 145

Not a PLNNB, compact H II region RCW 121

PA 54, nf of 2

P w NGC 6348 at 5' sp

PA 77

Dark neb B64 prominent to west

PA 130

Member of Local Group, dwarf elliptical

1 degree following B252

2 deg south of Theta OPH, Stem of Pipe nebula

Sheet1

50' south following globular cluster M9
Faint reflection nebula at edge

3 deg north of Theta OPH
20' south preceding B72
PA 140

15' south following B68

About 40 * mags 15...
The Snake, 1.5 deg nnf Theta OPH
20' south following B68

PA 157

PA 90

PA 5

Not much condensation--Hartung, 70 * mags 10..14

15' preceding 44 Oph
Two arcs 1 deg north following B72

Multiple system diff to determine sep
In group of 3

Listed in SkyCat 2000 as both globular and open cluster (??)

Sheet1

PA 15

Possibly distant globular cluster

PA 42

PA 25,sev comps

PA 90,sf of 2,UGC 10861

P w NGC 6387 3' nf

Faint extension of bowl of Pipe nebula

PA 8,Sev faint galaxys w in 10'

Brightest of 3

Little Ghost Nebula

Arp 38,UGC 10897

Asterism?

PA 42

PA 5

In NGC 6375 Group

Sheet1

Brightest in group
Not a PLNNB, brightest knot in SNR 1604 Kepler's SN, V 843

20 * mags 10..., In field of Lambda Sco

PA 5

Infrared source, highly obscured

Asterism?

PA 30, sBN in faint bar
PA 130, UGC 10893

2.5 deg south following Theta OPH, Bowl of Pipe nebula
Infrared source, highly obscured

Has fainter extensions

Brightest * 16m, 8.5m * on South edge, much absorption
PA 70

PA 134, P w NGC 6423 at 4.5' PA 80

Extinction varies from 3 to 8 mags across face of cluster

PA 100

Many vF stars 14...

B79 is narrow, straight north preceding extension

PA 5, Sev comps all faint

Butterfly cluster, 51 members to 10.5 mag incl var* BM Sco

Poss nearest glob

PA 177

Distorted arm in sf part

Visual binary

PA 6
PA 140

PA 36,P w NGC 6429 at 10' PA 325

PA 135

PA 23
PA 163,15 mag comp at 4' following
PA 173
P w NGC 6470,In dense part of cluster
PA 150

PA 128
Asterism?

On star cloud 1.7 deg north,30' following 58 OPH

Not a PLNNB,P&K finder chart incorrect
Also Thackery 1

Incl Struve 2212 8.5+9.0,3.1"sep,340 deg PA

Sheet1

PA 145,P w NGC 6446 at 2' p,BM w slender arms

In nebula Sh2-16

1.5 deg north,40' following 58 Oph,B83a nearby

P w UGC 10979 at 7' PA 33 15mag 1'X1'
same as NGC 6473

PA 105

Not a PLNNB,dwarf GALXY w emission lines,=IC 4662

PA 37

* eF

PA 155,P w NGC 6460 at 5' PA 118

Little Gem

PA 156

PA 123

PA 157,P w NGC 6458

PA 39,P w NGC 6493 at 3'

PA 77,Same as NGC 6468

Dark lane down center, Tom Thumb cluster

Not a PLNNB, part of envelope of carbon star
PA 113

1 deg north-north preceding cluster M7

PA 70
Brightest of 3
P&K finder chart incorrect

P w NGC 6486 at 2' PA 229, sev UGC galaxys in field

80 members to 10th mag, Fine naked eye cluster

30' south-south following cluster M7
PA 115, P w NGC 6495 at 6' PA 121
Highly obscured

PA 30

On north side of M7 star cluster
P w NGC 6490 and UGC 11037 at 6'

same as NGC 6510

PA 160, Brightest in dense part of cluster, 4 gals in 8'
PA 50, P w NGC 6501 at 3' PA 26
PA 94

Doubtful

In field of M 7

100 members to 13th mag

PA 10

1.5 deg north of cluster M23, w faint ext to south

Cat's Eye Nebula,PK96+29.1

PA 142
PA 123

PA 155

PA 105
PA 40
PA 122

PA 98

PA 105

Stellar point in rich field found w prism--Hartung

PA 150

PA 4

Trifid nebula,sev dark lanes,H IV 41 & V 10,D* HN 40 invl

Dark regions in Trifid nebula
On SGR star cloud preceding cluster NGC 6520, Ink Spot Neb

PA 75
Lagoon Nebula, CI NGC 6530 incl, dark lane crosses neb

Dark neb B86 on W edge

Dark regions in Lagoon nebula

PA 42

Parrot's Head, 4.5 deg south of cluster NGC 6520

In Sgr OB1, 36 members to 12th mag
In heavily obscured area

In Lagoon nebula M8, 25* mags 7...
* mags 16..., Gamma SGR in field

PA 136

PA 55

S-shaped

PA 53, P w NGC 6548 at 4' PA 38
Same as NGC 6548
P w NGC 6549

12 F *

PA 110

Stars mags 13...

PA 40

In bright nebula IC 4685

* mags 20...

Adjacent to bright nebulae IC 1274-5

connected w IC 4681

1.5 deg following, 20' south of cluster NGC 6520

PA 65, P w IC 1277

PA 30

PA 160

Several galaxys w in 15'

PA 50

PA 140,south preced of 2
Triple system

P w NGC 6621
PA 145,Double system w loop and bridge

D* Burnham 1353 in field

PA 80

On NW edge of Small Sagittarius Star Cloud

Low excitation PLNNB

30' following B92
Small Sagittarius Star Cloud, sev drk neb and NGC 6603 incl

Same as NGC 6595
Asterism?
No cluster

Doubtful PLNNB

PA 59

In Ser OB2?

In star cloud M 24

PA 160

In Ser OB1, Star Queen or Eagle Nebula, stars mags 8...

PA 155, Brightest in triple system

Sheet1

PA 38,multi arm spiral
12 * mag 9-10,1 deg S of M17
Milky Way starcloud

Omega nebula,Swan Nebula,many F outer loops,use filter

PA 80

PA 177,Disrupted contact pair

PA 90

PA 70

No cluster

PA 0

PA 30

45' NW from Lambda SGR,* mags 14...

PA 155

2.6 deg north following bright nebula M16

Ring shape

PA 153

PA 5

1 deg north preceding cluster NGC 6649

PA 105

2.5 deg following Omega nebula w sharp n boundary

Dbl * Struve 2325 illum neby--Hartung

Asterism?

Contains U Sgr, Stars mags 6...10

* mags 15....

1.4 deg north of cluster NGC 6649 and curved

Asterism?

PA 138

PA 142

Not a PLNNB, H II region, part of Sh2-61

Sheet1

No Cluster, Milky Way starcloud

PA 140

Triple system distorted

With Cepheid V367 Sct & D* Struve 2325

Double system w NGC 6679

PA 5, P w NGC 6661 at 9'

PA 30, Br of 3, S-shaped, very patchy

PA 20

PA 146, Interacting with IC 4720?

PA 145, P w NGC 6658 at 9'

Same as NGC 6661

Same as NGC 6690

PA 171

Asterism?

Stars mags 11...., one of finest globs

Contains Cepheid EV Sct

PA 130

1 degree north following cluster NGC 6649

PA 143

Naked eye from dark site
On north preceding side of SCT star cloud

PA 63

Asterism?

Brightest in group

PA 110

Rich Milky Way field prob not true cluster

PA 12

PA 25
Curved arc of stars to NE, * mags 14...
Virtually Stellar

PA 26

Finderscope will show why Messier included it, 70 * to 14 m

PA 115

PA 65, P w NGC 6703 at 10' PA 159

20' north of Beta SCT, L-shaped

Mostly Edge On

PA 35

0.5 deg preceding cluster M11

Narrow preceding-following lane just south of cluster M11

Stellar

Part of B111

PA 40

Two crescent-shaped areas north of M11

500 stars to 14th mag, Wild duck cluster

Lies south of M11

Part of B111

PA 140

Chain of dark neb south following M11

Delta Lyra cluster

Ring Nebula,central* var 14 to 16 mag,PK63+13.1

Member of group

Often mislabeled IC 1298

Palomar 9

* mags 15...

PA 143

PA 167

PA 146,Paired with IC 4796

PA 100

Not a PLNNB,compact H II region

Stellar

PA 5

PA 155

Cluster of 30* around SAO above,RNGC wrong

Corwin=No cluster at this position

Triple system disrupted w bridges

Curved, lying north of 12 AQL
PA 40
Complex neb region w var* TY & R CRA incl
P w NGC 6726-9
P w NGC 6726-7

Phantom Streak Nebula

Lies south following bright nebulae NGC 6726-7

40' north preceding Lambda AQL

Globular absorbed by 7 mags, RNGC wrong

PA 105

Same as NGC 6762
PA 119

Annular
On SCT star cloud 2 deg south of Lambda AQL

1.4 deg south of Lambda AQL

1 deg north following Lambda AQL

PA 62

PA 15

1.8 degrees following bright nebulae NGC 6726-7

Sheet1

P w UGC 11415 at 1.2' PA 42
Fine cluster

PA 80
PA 30

Doubtful PLNNB

Probably DBL* at 19 12.3 -01 08

Stellar
PA 121

PK33-6.1

PA 8

Long,curved lane on SCT star cloud

PA 36
Stars 11...

Coarse group of about 20 stars,RNGC wrong

Ring shape

At south tip of B137-8

Sheet1

PA 123
PK41-2.1, opposite dark lane from Altair

PA 20

PA 118

8 degrees north preceding Altair, filamentary

PA 25, P w UGC 11430 at 12' PA 11
PA 150
Lies north of dark neb LDN 673

PA 168
Nearly stellar

Stellar

PA 45
PA 150

PA 83
PA 15
Brocchi's cluster, The Coathanger Cl, easy naked eye

30' NW from Alpha VUL
Not found on UK Schmidt plate
PA 44

Corwin = 4 stars UK Schmidt

Bar shaped elong N-S

PK45-4.1, Herschel misclassified this as open cl

Not a PLNNB, has spectrum of galaxy

Campbell's hydrogen star

Long, thin filament
47 * in 40' field

Footprint Neb, looks like Dbl*, 30" East of * of equal mag

2 deg north preceding B142-3
PA 163
3.5 deg preceding and 1.2 deg south of Altair
PA 24

Stellar

* mags 15...

Narrow lanes 3 deg north preceding Altair

150 stars mags 11-16

Very difficult

Bright rim features and dark clouds, CI NGC 6823 incl

In Vul OB1 w nebula NGC 6820,30 * mags 11..12

PA 60

PA 176

PA 40

Little Gem Nebula, PK25-17.1

PA 105

Not a PLNNB?, diffuse neb in NGC 6820?

Blinking Planetary, PK83+12.1

Barnard's Galaxy, IC 1308 =HII region in NGC 6822

PA 0

Has two small brighter knots w in large faint neby

PA 31

Brightest in group of 4

PK finder chart incorrect, a star at position on chart

40 faint * in 12', has two centers

Classification uncertain very metal rich for a glob

Fish on the platter, preceding cluster NGC 6883

PK60-3.1, Lord Rosse drew 18* invl
Near dark neb B144, appears as bright edge to dark lane

Not a PLNNB, compact H II region in Sh 2-100
Oval, PK70+1.2

Asterism?

Triangular, north of B144

In B144 adjacent to BD +35 3930
PA 160
PA 153
50* mags 10...

3 Bright components,ROS 4 cluster invl

In nebula IC 4954-5

Small group of 8 stars hardly a cluster
PA 166

In Cyg OB3?
PA 70
PA 54

* mags 17...
PA 18
PA 100
PA 35

PA 140,=IC 4949

PA 154

PA 86

PA 85
Neb Descr=60'x20' emission neb in sev parts near Gamma CYG
Brian Skiff ID of Be 50=IC 1310

PA 156

PA 39
PA 86

Near cluster NGC 6885

Sheet1

PA 75
With 20 Vul

Crescent Neb, Wolf-Rayet * invl

PA 22
PA 68
1.7 deg preceding Gamma CYG
PA 125

PA 66
PA 102

Compact but not rich, N of Struve 2666, 14 * to 13 mag

PA 152
PA 80
PA 169

PA 115

Small, bright PLNNB--Hartung

PA 10
Asterism?

PA 155

Portions of neby surround Gamma CYG,elong generally E-W

PA 63,IC5000=IC1316

Blue Flash Nebula

In Gamma Cyg nebula and Cyg OB9

PA 48

PA 80

PA 90

PA 36

About 20 stars mags 8...

PA 68

PA 153

Wide lane in IC 1318 following Gamma CYG

PA 46,S shaped spiral

Asterism?

In patchy area 2.8 deg preced and 1.5 deg south of Deneb

PA 55

PA 40

PA 68

Narrow streak 1.2 deg foll and 20' south of Gamma CYG

PA 141,sp of 2

Asterism?

PA 150

Gal N6946 38' SE

Sheet1

PA 78
PA 148
PA 0

Spindle
PA 106, Brightest in group, P w NGC 6930 at 4'
PA 5
PA 0, Distorted, UGC 11588
PA 154
PA 95

*10m 2' west
PA 5

100 * mags 9...

One of nearest spirals

PA 4

PA 170
Same as NGC 6951

Northern Coalsack
PA 150
PA 51

Large loose cl, 34 * in 20'

Brightest of 3, UGC 11619

PA 68

PA 30
PA 130

Not rich, 27 * at 120X in 10" scope

Sheet1

Veil Nebula western part,* 52 CYG invl

PA 120

PA 110

PA 168

PA 75,P w NGC 6964 at 2' PA 135,brst in group,UGC 11628

Only a double star at this position

PA 100,P w NGC 6963 at 5.5' PA 323,=IC 5058 not N6963

PA 90

PA 15

PA 107

14' south of Cyg

Two small clouds south of B150

PA 60

PA 143

Curved filament 1.6 deg south of Eta CEP

Veil nebula

Pelican Nebula,w IC 5067,56 Cyg invl

Portion of Veil Neb between two arcs

PA 105

PA 116

PA 143

PA 125

3 deg WSW of NGC 7009

Veil nebula portion surr *6m

Veil nebula

PA 8

Veil Nebula eastern part

Scattered CI in west part of North America Neb

Sheet1

Wide lane preceding North America nebula
PA 147

Lies north of North America nebula
PA 165
PA 152
PA 101

North America nebula, CI NGC 6997 incl
4 or 5 10th mag stars, Messier saw neby but there is none

Low excitation knot in NGC 7008, not a separate object
Complex structure w Br and dark filaments
H I 192
PA 120
PA 162
Stars eF, very remote globular

3 to 5 stars

Egg Nebula, protoplanetary?, bipolar, light 48% polarized

PA 157
PA 3
PA 73
Saturn Nebula, H IV 1, bright blue-green disk
PA 30
PA 2

May be compact H II region, bizarre spectrum

PA 33
PA 130

PA 16
PA 170
PA 125

PA 70

PA 165

PA 71

Burnham's says Neby,NGC 2000 says Opncl at this position

Has faint preceding extension

PA 150,Companion superimposed

PA 140,UGC 11702

PA 135

Double cloud 1 deg south preceding Alpha CEP

PA 115

PA 127

PA 107

PA 85

PA 64

PA 57

II Zw 124

Adjacent to 9th mag star BD +49 degree 3517

PA 40
PA 132

PA 124
Companion superimposed

May be same as NGC 7067-N2

PA 98

PA 20
PA 91

PA 160
Stars mags 13...

Not a PLNNB,has spectrum of galaxy

PA 90
PA 125

UGC 11759
PA 116

PA 167

Large but loose cluster
Not a PLNNB?,could be part of H II region Sh 2-128

PA 82
Egg timer shape in 100" scope
Baxendell's Unphotographable Nebula
Lord Rosse-Dark area near core,* mags 13...
Narrow lanes of B157
8' preceding 8th-mag. star BD +54 2576

PA 39

Lies south preceding bright nebula IC 1396

Binary?

PA 5

PA 127

Lies south of BRTNB IC 1396

In IC 1396 nebula

In Cep OB2, Neby is 165'X135', cluster is Tr 37

compact CGCG

PA 153, nrf of 2, disturbed, UGC 11786

In north part of BRTNB IC 1396

PA 20

Wm. Herschel saw very elliptical shape

PA 134

Curved strip following B160

Sev F * invl

PA 130

In a part of bright nebula IC 1396

PA 76

PA 81

PA 105

Part of NGC 7129

PA 66

In preceding part of bright nebula IC 1396

PA 0

PA 27
H III 696

PA 50
PA 130,Data given for A and B
PA 22
0.8 deg following Pi 1 CYG

PA 74

PA 143
Singular

PA 177
PA 80
PA 110,NGC 7126 in field

PA 47

PA 80
PA 5

PA 25
PA 18
N2 reports DEC one degree north

Narrow E-W lane,Cocoon nebula at f end

Cocoon neb,at end of dark streamer B168
In Cep OB2
PA 17
PA 68
PA 105
PA 75
PA 102
PA 4

PA 55
PA 5

Triple star

Narrow curved lanes 3 deg north following IC 1396
PA 101

Also IC 5149 and IC 5150, called IC 5150 in Hartung
PA 10

PA 90
PA 70
PA 14

PA 125

PA 95
PA 110
PA 100, Equatorial dust band, Nearly edge-on
PA 88

PA 68
PA 65
PA 143
PA 77
PA 172
Central bar w short arm embryos at the tips, no spiral
PA 62, With Saturn-like inner ring

PA 100
PA 112

PA 22
PA 15
PA 115

PA 20, Brightest in group
PA 44

PA 48

PA 5
Compact, Brightest of 3

PA 53

PA 3
PA 128
PA 72

PA 136
Companion superimposed, distorted

PA 33
Patchy lane north following B169

PA 95, vB diff Nuc .35'X0.27' many knotty arms
PA 142
PA 73
PA 30
PA 100

16' SE from Alpha GRU
UGC 11931 asym spir w 3 main arms
PA 30, Central mass appears triple

PA 5, p of 2
PA 10
PA 8
PA 3
PA 110

PA 150

PA 88

PA 27
PA 147

PA 111

PA 74, Brightest in group with NGC 7232, A, B and NGC 7233
Triple system, plumes, w NGC 7237
Triple system, plumes, w NGC 7326

Incl Struve 2890 D*
50 vF stars

PA 30, brightest in group, companion superimposed

PA 99, P w NGC 7233 @2'

Sheet1

PA 20,II Zw 174,edge-on spiral
PA 133
PA 0

PA 112

PA 133,UGC 11972,sev smaller galaxies near
PA 0
PA 2
PA 157,Disturbed?,UGC 11980

PA 126
PA 71,Double system

PA 136
F extension on west side
PA 33

PA 57,Core .15'X0.15' mag=15.7

PA 170

PA 122
PA 141
PA 49

PA 90,1 of 2 brightest in group of 6 or more galaxies

PA 37,One of two brightest galaxies in group

brightest of 3
PA 6

Asterism?,Small scattered group w 3 *10m in short row

PA 0

PA 78,spp of 2,UGC 12035

PA 125
PA 68
PA 98

PA 161
irregular

PA 133

Helical Nebula, low surf brightness

PA 1

PA 130
PA 160

PA 125, Strongly asym barred spiral
Stellar
compact
PA 47

H IV 31
PA 145, compact w loops
PA 60
PA 9
PA 10, UGC 12080
3 arm spiral

PA 83

PA 36

PA 170
PA 3
PA 60

Stephan's Quintet, B is distorted colliding w A
Stephan's Quintet, A projects onto arm of B
PA 132, Brightest in Stephan's Quintet, member?
Stephan's Quintet, distorted

Sheet1

At 4.1'nf 7320,outlying member Stephans quin?
PA 12,UGC 12103

PA 170,p of 2,disturbed

PA 171,UGC 12113,Brightest in group of F obj,sev dark lanes

PA 151,Brightest of 4,UGC 12116,Stephan's?
PA 155,UGC 12115,vB cent. bulge .7'X0.4',lenticular

NGC 7335 group
PA 88

PA 114
PA 93,B cent. bulge w knots .7'X0.25'
UGC 12127 group
PA 160
PA 39,UGC 12127 group

PA 94

Position matches UGC 12134

PA 170
PA 133

H II 705
PA 107
PA 12

PA 100
PA 76
PA 4,Nearly edge-on
PA 120

PA 153

PA 175,Compact

Sheet1

PA 65,UGC 12174

PA 128

PA 55

PA 34

PA 10

PA 166

PA 130

PA 176

Faint outer ring

PA 160

In Cep OB1?,N2- CL+NEB size 25'

PA 40

PA 90

PA 101

Brightest in cluster,UGC 12207

PA 150

PA 95

PA 123

PA 109

PA 70

Double nucleus?

PA 100

PA 123

PA 103,Brightest in group

PA 150

PA 75

PA 140

PA 152,Inner spiral structure

May be MCG -01058-03 mag 15 size .75'X0.4'

PA 2

Compact,4th in chain of 6

PA 128,6th in chain of 6

PA 45,Nearly edge-on

PA 110

PA 65

PA 167

PA 72,UGC 12256

PA 140,Complex,disturbed

PA 139

PA 83

Cave nebula

PA 91

PA 40

PA 140,Brightest in group

PA 160

PA 51,np of 2

PA 2

PA 122,NGC 7436 group

PA 40,Companion superimposed?,UGC 12268

Double system w NGC 7436A,B

H III 243

PA 138

PA 150

PA 30

PA 56,Asymmetrical

Core .18'X0.18'
PA 130,UGC 12292,Core mag=15.7
PA 170,Brightest in group,UGC 12294,Arp 13
PA 30
PA 10
PA 67

PA 130

PA 150,NGC 7448 group,UGC 12305

PA 15,p of 2,UGC 12309

PA 175,Companion superimposed,disturbed,3-armed gal
NGC 7448 group
PA 90,Distorted,NGC 7448 group,UGC 12316
NGC 7448 group,UGC 12317
PA 26
PA 23
very compact
PA 75
Peculiar,two jets,UGC 12329

PA 45

Double system,symbiotic,in group of 3
PA 125,Seyfert,UGC 12332

PA 25,excellent barred spiral

12 mag star w 70" X 45" neby
PA 175
PA 105,Brightest of 3
PA 95,pair in contact total size 3'X2'
PA 140

PA 110
PA 146

Compact,vF ext halo

PA 170

PA 150,compact

PA 5

PA 48

PA 30

PA 10

PA 125

L region of F neby to SE

PA 103

PA 160

spp of 2
compact

PA 132

PA 85

PA 133

PA 165

PA 110

PA 15

PA 145

PA 108

PA 25

PA 165

double system

PA 15

PA 120

Filamentary struct in neby

PA 56

PA 165

PA 150

PA 20

PA 79,UGC 12442

PA 140

PA 102

PA 15

PA 106,NGC 7550 group,Arp 99

PA 15

Brightest in group,Arp 99,UGC 12456

PA 8,NGC 7550 group,distorted

With binary HD 219460,very compressed 13 * in 3'

PA 80

H III 221

PA 85

PA 83,UGC 12464

PA 155,UGC 12465

PA 76

PA 120

PA 42

PA 1

PA 115

PA 30,UGC 12473

H III 182,double system

Double system

Sheet1

PA 165
PA 45

compact
B narrow bar .55'X0.5'

PA 123,n of 2
PA 104,Peculiar
PA 105

PA 60
PA 145
PA 85,colliding pair
PA 157,Group w NGC 7590 & 7599

compact
compact
PA 90
compact

PA 70
PA 36
PA 165,Seyfert,np of 2,bridge

PA 145
PA 20
PA 57
double system,two bridges

PA 139
Disturbed?
PA 2
PA 5

PA 30,UGC 12523

PA 30,S-shaped arms w high surface brightnes
PA 175,UGC 12526

Sheet1

UGC 12529,VV 280,Arp 212,III Zw 102
P w NGC 7619,Br members of small group
Bubble Nebula,L neb ring

PA 170
PA 162
PA 79
PA 95,Brightest of 3
PA 60
Asterism?

PA 167,nearly edge on spiral
PA 92
PA 30

PA 144,NGC 7643 group

PA 175,np of 2
PA 45,brightest of 3

PA 85,H III 218,UGC 12575

PA 170,UGC 12576
Messier saw neby there is none
PA 80
PA 100
System w NGC 7651
System w NGC 7644

UGC 12586

PA 85
PA 35

Blue Snowball Nebula,H IV 18,Barnard-cent * variable?
PA 110

PA 90

PA 106

11 mag * 75" north following

PA 138,UGC 12602

compact

PA 35

PA 5,UGC 12614,Arp 28,slightly asym,1big arm

UGC 12616

PA 120,dwarf Member Local Group

PA 93,disturbed

PA 85

disturbed

PA 140

Asterism?,12* mags 8...13

PA 21

PA 170

PA 75,compact

PA 175

PA 162

Asterism?

PA 132

PA 40,Brightest in group

PA 30

PA 80

PA 170

PA 155

PA 147

PA 40

Sheet1

PA 87

PA 67

PA 120

PA 117,lenticular w outer ring

PA 95,UGC 12691

PA 135

peculiar

Large dim glow in 30 CM scope--Alister Ling

PA 4,bridge,disturbed

PA 73,bridge

PA 35

PA 30,P w IC 5337

PA 168

PA 140,very chaotic

PA 160,sf of 2

15 Gal/Deg, Size = Square Degrees

3C465,E + comp symbiotic

PA 60

PA 150

PA 20

PA 40

PA 55

Faint outer arms ext to 5'

PA 75

PA 7

PA 95

PA 96,disturbed

PA 90

PA 147

compact CGCG

Neb excited by companion to Mira variable R AQR

PA 170,UGC 12754,B narrow bar .8'X0.2',S shape w thick bar

Sheet1

PA 80,U2 NGC 7738=NGC 7739
P w NGC 7743
PA 80,P w NGC 7742
U2 NGC 7738=NGC 7739

PA 105
PA 160
PA 36

PA 28
PA 171

UGC 12778,core .45'X0.40'
PA 113,connected w NGC 7753
PA 50,connected w NGC 7752

PA 20

PA 115

PA 118

Red plate size 1.5'x1.5',very compact

PA 142,UGC 12805

9 Gal/Deg, Size = Square Degrees, NGC 7768 group
PA 60
PA 148
Size 2.5'x2.1' in red light,UGC 12808
disturbed,NGC 7769 group
PA 68,disturbed,NGC 7769 group,UGC 12815

PA 20,disturbed?,chaotic spiral

27 stars from 10...16 mag
NGC 7782 group
PA 48
PA 10,NGC 7782 group

PA 3,sf of 2

PA 175,Brightest of 3

20 F*

Double system in contact,in group

In contact w NGC 7783A

compact

PA 143

PA 5

PA 27,* superimposed 0.4' north foll center

PA 104

in Cas OB5?

PA 12,disturbed w many knots

1000 members from 11 to 18 mag

PA 98

Contains CE Cas,CF Cas

Peculiar,UGC 12872

PA 10,UGC 12877

PA 168

Face On

PA 16,UGC lists UGC 12864 at this position

PA 42,UGC 12885

Mostly Face On