

### Sky Wizard - ST List

S/W No.	Object	Other Names	RA	Dec	U2000	SA2000	Type	Con	Mag	Size	Description
NS001	Berk 58		00:00.2	+60:58	35	1	OPNCL	CAS	9.7	8.0'	
NS002	WLM	MCG -03-01-015	00:02.0	-15:27	260	10	GALAXY	CET	10.6	11'X4'	
NS003	Berk 59		00:02.6	+67:23	15	1	OPNCL	CEP	11	10.0'	
NS004	Blanco 1		00:04.3	-29:56	350	18	OPNCL	SCL	4.5	90.0'	
NS005	Stock 19		00:04.4	+56:02	35	1	OPNCL	CAS	Ukn	3.0'	13"-F,S,nC, 12 F* at 135X
NS006	VY 1-1	PK118- 8.1	00:18.7	+53:53	35	1	PLNNB	CAS	12.5	5"	
NS007	BV 1	PK119+ 0.1	00:19.9	+62:59	15	1	PLNNB	CAS	14.7		
NS008	Hu 1-1	PK119- 6.1	00:28.2	+55:57	35	1	PLNNB	CAS	13.3	5"	
NS009	King 14		00:31.9	+63:10	15	1	OPNCL	CAS	8.5	7.0'	13"-vvF,vvL; just a field brghtning with UHC
NS010	Stock 24	Be 3	00:39.7	+61:57	16	1	OPNCL	CAS	8.8	4.0'	
NS011	Do 12		00:40.8	+60:51	36	1	OPNCL	CAS	Ukn	18.0'	
NS012	King 16		00:43.7	+64:11	16	1	OPNCL	CAS	10.3	3.0'	
NS013	Berk 4		00:45.5	+64:24	16	1	OPNCL	CAS	10.6	5.0'	
NS014	Abell 2	PK122- 4.1	00:45.6	+57:57	36	1	PLNNB	CAS	14.1	33"X29"	
NS015	Do 13		00:50.0	+64:08	16	1	OPNCL	CAS	Ukn	12.0'	
NS016	Small Magellanic Cloud		00:52.6	-72:48	460	24	GALAXY	TUC	2.3	316'	
NS017	Sculptor Dwarf	MCG -06-03-015	00:59.9	-33:42	351	18	GALAXY	SCL	10.5	40'X31'	
NS018	Berk 62		01:01.0	+63:57	16	1	OPNCL	CAS	9.3	10.0'	
NS019	MCG -01-03-085	New 1	01:05.1	-06:13	262	10	GALAXY	CET	11.8	3.5'X3.5'	
NS020	Abell 194		01:25.5	-01:22	218	10	GLXYCL	PSC	13	30'	
NS021	MCG+00-04-140		01:25.8	-01:19	218	10	GALAXY	CET			
NS022	Tr 1	Cr 15	01:35.7	+61:17	16	1	OPNCL	CAS	8.1	4.5'	
NS023	M1-1	PK130-11.1	01:37.3	+50:28	37	1	PLNNB	AND	14.3	6"	
NS024	Cr 463		01:48.4	+71:57	17	1	OPNCL	CAS	5.7	36.0'	
NS025	Cr 21		01:50.1	+27:15	128	4	OPNCL	TRI	8.2	6.0'	
NS026	Abell 262		01:52.7	+36:09	92	4	GLXYCL	AND	13	120'	
NS027	Stock 4		01:52.8	+57:04	37	1	OPNCL	PER	Ukn	20.0'	
NS028	BV 3	PK131- 5.1	01:53.7	+56:25	37	1	PLNNB	CAS	14.2	30"	
NS029	Stock 5		02:04.5	+64:26	17	1	OPNCL	CAS	7	15.0'	13"-pB,pL,E; 20* nice dark lanes invl at 100X
NS030	Stock 2		02:15.0	+59:16	37	1	OPNCL	CAS	4.4	60.0'	
NS031	Basel 10		02:18.8	+58:19	37	1	OPNCL	PER	9.9		
NS032	Stock 6		02:23.7	+63:52	17	1	OPNCL	CAS	10	20.0'	13"-could not find on 8/10 night in Arizona
NS033	Abell 347		02:25.1	+41:48	62	4	GLXYCL	AND	13	40'	
NS034	Mrk 6		02:29.6	+60:39	37	1	OPNCL	CAS	7.1	4.5'	
NS035	Czernik 8		02:33.0	+58:44	38	1	OPNCL	PER	9.7	7.0'	
NS036	King 4		02:35.7	+59:00	38	1	OPNCL	CAS	10.5	3.0'	
NS037	Maffei 1		02:36.3	+59:39	38	1	GALAXY	CAS	11.4	5'X3'	
NS038	Tr 2	Cr 29	02:37.3	+55:59	38	1	OPNCL	PER	5.9	20.0'	
NS039	Berk 65		02:39.0	+60:25	38	1	OPNCL	CAS	10.2	5.0'	
NS040	MCG 06-07-001	Fornax Dwarf	02:39.9	-34:32	354	18	GALAXY	FOR	8.1	17'X12'	
NS041	Czernik 13		02:44.7	+62:21	17	1	OPNCL	CAS	10.4	6.0'	
NS042	Abell 4	PK144-15.1	02:45.4	+42:33	62	4	PLNNB	PER	16.7	22"	
NS043	DoDz 1		02:47.4	+17:12	130	10	OPNCL	ARI	Ukn	12.0'	
NS044	MCG+01-08-027	Abell 400	02:57.6	+06:02	176	10	GLXYCL	CET	13.9	3.74	
NS045	Cr 33		02:59.3	+60:24	38	1	OPNCL	CAS	5.9	40.0'	
NS046	Cr 34		03:00.9	+60:25	38	1	OPNCL	CAS	6.8	25.0'	In. Reg. Vry Blk
NS047	Tr 3	Cr 36,Harvard 1	03:11.8	+63:15	18	1	OPNCL	CAS	7	23.0'	vvL,eeF,IE
NS048	King 5		03:14.8	+52:43	38	1	OPNCL	PER	Ukn	7.0'	
NS049	Stock 23		03:16.3	+60:02	38	1	OPNCL	CAM	Ukn	15.0'	
NS050	Abell 426	Perseus I	03:19.7	+41:30	63	4	GLXYCL	PER	13	30'	
NS051	Mel 20	Cr 39	03:22.0	+49:00	63	4	OPNCL	PER	1.2	185.0'	F,R, outer arms dim
NS052	King 6		03:28.1	+56:27	38	1	OPNCL	CAM	Ukn	7.0'	

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NS053	Palomar 1		03:33.2	+79:35	5	1	GLOCL	CEP	13.6	1.8'	
NS054	Berk 10		03:39.4	+66:32	18	1	OPNCL	CAM	12	12.0'	13"-eF,pL,nBM,irR,somewhat mottled at 100X
NS055	Tombaugh 5		03:47.8	+59:03	39	1	OPNCL	CAM	8.4	17.0'	
NS056	Baade 1	PK171-25.1	03:53.5	+19:28	132	10	PLNNB	TAU	13.9	38"	
NS057	Arp-Madore 1		03:55.0	-49:36	391	18	GLOCL	HOR	15.9	1.7'	
NS058	Do 14		04:06.6	+27:26	133	5	OPNCL	TAU	Ukn	12.0'	In. Reg. Vry Blk
NS059	M2-2	PK147+ 4.1	04:13.3	+56:57	39	1	PLNNB	CAM	13.7	12"X11"	
NS060	Berk 11		04:20.6	+44:55	64	5	OPNCL	PER	10.4	6.0'	13"-vF,pL,E 3X1,2* invol at 100X with UHC
NS061	Eridanus Cluster		04:24.8	-21:11	313	19	GLOCL	ERI	15.3	1.0'	
NS062	Hyades	Mel 25	04:27.0	+16:00	178	11	OPNCL	TAU	.5	330'	S,pC
NS063	MCG+00-12-51		04:36.0	-02:50	224	11	GALAXY	ERI	12.6	1.2'	
NS064	Berk 68		04:44.5	+42:04	65	5	OPNCL	PER	9.8	12.0'	
NS065	Palomar 2		04:46.1	+31:23	96	5	GLOCL	AUR	13	1.9'	
NS066	Ru 148		04:46.5	+44:44	65	5	OPNCL	PER	9.5	3.0'	
NS067	Czernik 19		04:57.0	+28:47	96	5	OPNCL	AUR	Ukn	18.0'	
NS068	Berk 15		05:03.2	+44:27	65	5	OPNCL	AUR	Ukn	9.0'	
NS069	Do 15		05:04.6	+34:50	97	5	OPNCL	AUR	Ukn	18.0'	13"-B,vL,nC, 44* at 60X
NS070	J 320	PK190-17.1	05:05.6	+10:42	180	11	PLNNB	ORI	12.9	11"X8"	
NS071	K2-1	SS 38,PK173-5.1	05:08.1	+30:48	97	5	PLNNB	AUR	12	132"	
NS072	MCG+00-12-051		05:12.0	-14:47	270	11	GALAXY	LEP			
NS073	Do 16		05:14.6	+32:43	97	5	OPNCL	AUR	Ukn	12.0'	
NS074	Abell 539		05:16.7	+06:28	180	11	GLXYCL	ORI	14.4	2.37	
NS075	Czernik 20		05:20.1	+39:28	66	5	OPNCL	AUR	Ukn	18.0'	
NS076	Berk 17		05:20.6	+30:36	97	5	OPNCL	AUR	14	14.0'	13"-pB,pL,nC,nRi at 100X; 25*
NS077	Cr 464		05:22.0	+73:00	6	1	OPNCL	CAM	4.2	120.0'	
NS078	Berk 18		05:22.2	+45:24	66	5	OPNCL	AUR	14	20.0'	
NS079	Do 17		05:22.4	+07:07	180	11	OPNCL	ORI	Ukn	12.0'	
NS080	Cr 62		05:22.5	+41:00	66	5	OPNCL	AUR	4.2	28.0'	
NS081	Lg Magellanic Cl	ESO 056-G115	05:23.6	-69:45	444	24	GALAXY	DOR	.4	550'X170'	eF,vS,R,* np 25"
NS082	DoDz 2		05:23.9	+11:28	180	11	OPNCL	ORI	Ukn	12.0'	
NS083	Do 18		05:24.1	+33:18	97	5	OPNCL	AUR	Ukn	12.0'	
NS084	Berk 19		05:24.1	+29:36	97	5	OPNCL	AUR	11.4	7.0'	
NS085	Berk 70		05:25.7	+41:54	66	5	OPNCL	AUR	Ukn	12.0'	
NS086	Cr 65		05:26.0	+16:00	180	11	OPNCL	ORI	3	220.0'	
NS087	Do 21		05:27.4	+07:04	180	11	OPNCL	ORI	Ukn	12.0'	
NS088	Stock 8		05:27.6	+34:25	97	5	OPNCL	AUR	Ukn	5.0'	
NS089	Do 20		05:28.6	+33:47	97	5	OPNCL	AUR	Ukn	12.0'	
NS090	K1-7	Abell 10	05:31.8	+06:56	180	11	PLNNB	ORI	12.7	34"	13"-B,pL,nRi,nC at 100X; 17*; just naked eye
NS091	DoDz 3		05:33.7	+26:29	135	5	OPNCL	TAU	Ukn	15.0'	
NS092	Cr 69		05:35.1	+09:56	180	11	OPNCL	ORI	2.8	65.0'	13"-vB,vL,nC,vRi at 60X; 88*, nice chains
NS093	Trapezium		05:35.4	-05:23	225	11	OPNCL	ORI	3.7	47	
NS094	DoDz 4		05:35.9	+25:57	135	5	OPNCL	TAU	Ukn	28.0'	
NS095	Cr 70		05:36.0	-01:00	225	11	OPNCL	ORI	.4	150'	
NS096	Stock 10		05:39.0	+37:56	97	5	OPNCL	AUR	Ukn	25.0'	
NS097	Haro 3-75	PK193- 9.1	05:40.7	+12:21	181	11	PLNNB	TAU	Ukn		13"-2 gals F,pS,R,nBM; 6 others vF,S at 165X
NS098	B 33		05:40.9	-02:28	226	11	DRKNB	ORI	Dark	6'X4'	In. Reg. Vry Blk
NS099	Basel 4		05:48.5	+30:13	98	5	OPNCL	AUR	9.1	8.0'	
NS100	King 8		05:49.4	+33:38	98	5	OPNCL	AUR	11.2	8.0'	13"-9 pB* and 6 pF* in Small grp at 100X
NS101	Berk 21		05:51.7	+21:47	136	5	OPNCL	ORI	1.1	7.0'	13"-B,pL,pRi,pC; 20* at 135X; some neby to S
NS102	Basel 11B		05:58.2	+21:58	136	5	OPNCL	ORI	8.9	10.0'	
NS103	Abell 12	PK198- 6.1	06:02.4	+09:39	181	11	PLNNB	ORI	13.9	37"	
NS104	Cr 89		06:18.0	+23:38	137	5	OPNCL	GEM	5.7	35.0'	
NS105	Cr 91		06:21.7	+02:22	227	11	OPNCL	MON	6.4	17.0'	

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NS106	Cr 92		06:22.9	+05:07	227	11	OPNCL	MON	8.5	11.0'	
NS107	Do 22		06:23.3	+04:39	227	11	OPNCL	MON	Ukn	18.0'	
NS108	N2146a		06:23.9	+78:32	6	1	GALAXY	CAM	12.9	3'	
NS109	Bochum 1		06:25.5	+19:46	137	11	OPNCL	GEM	7.9		
NS110	J 900	PK194+ 2.1	06:26.0	+17:47	137	11	PLNNB	GEM	12.4	12"X10"	vF,pS
NS111	Cr 96		06:30.3	+02:52	227	11	OPNCL	MON	7.3	8.0'	
NS112	Cr 95		06:30.5	+09:56	182	11	OPNCL	MON	Ukn	19.0'	13"-pB,pL,pRi,sC at 100X; 20*; BI-Gold D* inv
NS113	Cr 97		06:31.3	+05:55	182	11	OPNCL	MON	5.4	21.0'	
NS114	Ru 1		06:36.4	-14:11	272	11	OPNCL	CMA	Ukn	11.0'	
NS115	Cr 104		06:36.5	+04:49	227	11	OPNCL	MON	9.6	22.0'	
NS116	Basel 7		06:36.6	+08:21	182	11	OPNCL	MON	8.5		
NS117	Tr 5	Cr 105	06:36.7	+09:26	182	11	OPNCL	MON	10.9	8.0'	vF,vvL,R,Low Surface Brightness
NS118	Cr 106		06:37.1	+05:57	182	11	OPNCL	MON	4.6	45.0'	
NS119	M1-7	PK189+ 7.1	06:37.4	+24:01	137	5	PLNNB	GEM	13	38"X20"	
NS120	Cr 107		06:37.7	+04:44	227	11	OPNCL	MON	5.1	35.0'	
NS121	Cr 110		06:38.4	+02:01	227	11	OPNCL	MON	10.5	12.0'	
NS122	Cr 111		06:38.7	+06:54	182	11	OPNCL	MON	7	3.2'	
NS123	Ru 2		06:41.0	-29:33	360	19	OPNCL	CMA	Ukn	7.0'	
NS124	Ru 3		06:42.1	-29:27	360	19	OPNCL	CMA	Ukn	2.8'	In. Reg. Comp. Blk
NS125	Do 23		06:43.2	+00:00	228	11	OPNCL	MON	Ukn	12.0'	
NS126	Do 24		06:44.2	+01:36	228	11	OPNCL	MON	Ukn	18.0'	
NS127	Do 25		06:45.1	+00:18	228	11	OPNCL	MON	7.6	24.0'	
NS128	Cr 115		06:46.5	+01:46	228	11	OPNCL	MON	9.1	7.0'	
NS129	N2273B		06:46.5	+60:21	42	1	GALAXY	LYN	12.5	2.7'	13"-eF,pS,R at 135X, only seen with UHC filtr
NS130	Bochum 2		06:48.9	+00:23	228	11	OPNCL	MON	9.7		
NS131	Biur 10	Berk 28	06:52.2	+02:56	228	11	OPNCL	MON	10.4	4.0'	
NS132	M1-8	PK210+ 1.1	06:53.5	+03:12	228	11	PLNNB	MON	14.5	22"X15"	
NS133	Cr 121		06:54.2	-24:38	318	19	OPNCL	CMA	2.6	50.0'	
NS134	Biur 8	Berk 32	06:58.1	+06:26	183	11	OPNCL	MON	Ukn	6.0'	
NS135	Tombaugh 1	OCL 603	07:01.3	-19:40	318	12	OPNCL	CMA	10.5	5.0'	L,nC
NS136	PB 1	PK226- 3.1	07:02.7	-13:44	273	12	PLNNB	CMA	Ukn		13"-pF,pL,nRi,nC; 12* and grainy back at 135X
NS137	M3-1	PK242-11.1	07:02.8	-31:35	361	19	PLNNB	CMA	12.2	14"X9"	13"-pB,pL,nRi,scatt,17* at 100X
NS138	Tombaugh 2	OCL 605	07:03.4	-19:17	318	12	OPNCL	CMA	Ukn	3.0'	
NS139	Bochum 3		07:03.4	-05:04	228	12	OPNCL	MON	9.9		
NS140	Ced 90	Gum 3,RCW 1	07:05.2	-12:20	273	12	BRTNB	CMA	Ukn	10"X10'	
NS141	Cr 465		07:07.2	-10:37	273	12	OPNCL	MON	10.1	9.0'	10X50-vB,vvL,scattered; 39*
NS142	Cr 466		07:07.3	-10:49	273	12	OPNCL	MON	11.1	4.0'	
NS143	Ru 11		07:07.4	-20:48	318	19	OPNCL	CMA	Ukn	2.9'	
NS144	Haffner 23		07:09.4	-16:57	273	12	OPNCL	CMA	Ukn	11.0'	13"-pB,pL,pRi,IC; 24* mags 10..13 at 100X
NS145	Sh2-301	Gum 5,RCW 6	07:09.8	-18:29	318	12	BRTNB	CMA	Ukn	8'X7	
NS146	Cr 132		07:14.4	-31:10	361	19	OPNCL	CMA	3.6	95.0'	
NS147	Cr 135		07:17.0	-36:50	361	19	OPNCL	PUP	2.1	50.0'	
NS148	Basel 11A		07:17.1	-13:58	274	12	OPNCL	CMA	8.2	9.0'	
NS149	Haffner 6		07:20.1	-13:08	274	12	OPNCL	CMA	9.2	4.0'	
NS150	M1-13	PK232- 1.1	07:21.2	-18:08	319	12	PLNNB	CMA	12.6	10"	
NS151	Ru 16		07:23.2	-19:27	319	12	OPNCL	CMA	Ukn	11.0'	
NS152	Haffner 8		07:23.4	-12:20	274	12	OPNCL	CMA	9.1	4.2'	13"-F,pL,nRi,C,10* at 165X
NS153	Cr 140		07:23.9	-32:12	361	19	OPNCL	CMA	3.5	42.0'	
NS154	Ru 18		07:24.8	-26:13	319	19	OPNCL	CMA	9.4	4.0'	
NS155	Tr 6	Cr 145	07:26.1	-24:18	319	19	OPNCL	CMA	10	6.0'	
NS156	Mel 66	Cr 147	07:26.3	-47:44	395	19	OPNCL	PUP	7.8	10.0'	
NS157	M3-3	PK221+ 5.1	07:26.6	-05:22	229	12	PLNNB	MON	14.8	15"X10"	
NS158	Ru 20		07:26.7	-28:53	361	19	OPNCL	CMA	9.5	10.0'	

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NS159	Ru 21		07:27.1	-31:11	361	19	OPNCL	PUP	Ukn	11.0'	
NS160	Tr 7	Cr 146	07:27.3	-24:02	319	19	OPNCL	PUP	7.9	5.0'	
NS161	Czernik 29		07:28.3	-15:24	274	12	OPNCL	PUP	10.3	8.0'	
NS162	Haffner 10		07:28.6	-15:23	274	12	OPNCL	PUP	11.5	1.6'	
NS163	M4-2	PK248- 8.1	07:28.9	-35:45	361	19	PLNNB	PUP	13	8"	
NS164	Abell 21	PK205+14.1	07:29.0	+13:15	184	12	PLNNB	GEM	14.1	10'X6'	
NS165	Do 26		07:30.1	+11:54	184	12	OPNCL	CMI	Ukn	24.0'	
NS166	Bochum 5		07:30.9	-17:04	319	12	OPNCL	PUP	7		
NS167	Bochum 4		07:31.0	-16:57	274	12	OPNCL	PUP	7.3		
NS168	Ru 24		07:31.9	-12:45	274	12	OPNCL	PUP	Ukn	2.0'	
NS169	Bochum 6		07:32.0	-19:26	319	12	OPNCL	PUP	9.9		
NS170	M1-16	PK226+ 5.1	07:37.3	-09:39	274	12	PLNNB	MON	13.9	3"	
NS171	Ru 27		07:37.5	-26:36	319	19	OPNCL	PUP	Ukn	18.0'	
NS172	Mel 71	Cr 155	07:37.5	-12:04	274	12	OPNCL	PUP	7.1	9.0'	
NS173	Mel 72	Cr 156	07:38.4	-10:41	274	12	OPNCL	MON	10.1	9.0'	
NS174	Bochum 15		07:40.1	-33:33	362	19	OPNCL	PUP	6.3		
NS175	Haffner 13		07:40.5	-30:07	362	19	OPNCL	PUP	Ukn	15.0'	
NS176	Ru 151		07:41.3	-16:15	274	12	OPNCL	PUP	Ukn	15.0'	
NS177	M1-18	PK231+ 4.1	07:42.1	-14:21	274	12	PLNNB	PUP	14.4	33"X28"	
NS178	Ru 30		07:42.2	-31:28	362	19	OPNCL	PUP	Ukn	4.0'	13"-pF,pS,nRi,C 8* with fuzzy backrnd at 165X
NS179	Ru 31		07:42.7	-35:35	362	19	OPNCL	PUP	Ukn	2.0'	
NS180	Ru 32		07:45.0	-25:31	320	19	OPNCL	PUP	8.4	6.0'	
NS181	Haffner 15		07:45.3	-32:47	362	19	OPNCL	PUP	9.4	3.5'	
NS182	Ru 34		07:45.9	-20:23	320	19	OPNCL	PUP	9.5	4.0'	vvB,vvL,irr
NS183	Berk 39		07:46.7	-04:36	230	19	OPNCL	MON	Ukn	12.0'	
NS184	Ru 35		07:46.9	-30:59	362	19	OPNCL	PUP	Ukn	0.8'	
NS185	Haffner 16		07:50.3	-25:27	320	19	OPNCL	PUP	10	1.1'	
NS186	Haffner 18		07:53.3	-25:54	320	19	OPNCL	PUP	9.3	1.0'	
NS187	Haffner 19		07:52.7	-26:15	320	19	OPNCL	PUP	9.4	1.8'	
NS188	M3-4	PK241+ 2.1	07:55.2	-23:38	320	19	PLNNB	PUP	14	14"X13.5"	
NS189	Tr 9	Cr 168,Harvard 2	07:55.3	-25:56	320	19	OPNCL	PUP	8.7	6.0'	
NS190	Haffner 20		07:56.3	-30:24	362	19	OPNCL	PUP	11	1.8'	
NS191	JE 1	PK164+31.1	07:57.8	+53:25	43	1	PLNNB	LYN	14	400"	
NS192	Ru 43		07:58.7	-28:55	362	19	OPNCL	PUP	Ukn	14.0'	
NS193	Ru 44		07:59.0	-28:35	362	19	OPNCL	PUP	7.2	5.0'	
NS194	Ru 45		07:59.6	-16:18	275	12	OPNCL	PUP	Ukn	11.0'	
NS195	Haffner 21		08:01.2	-27:10	320	20	OPNCL	PUP	10.3	1.1'	
NS196	Ru 46		08:02.1	-19:28	320	12	OPNCL	PUP	9.1	2.0'	
NS197	Ru 47		08:02.3	-31:06	362	20	OPNCL	PUP	9.6	5.0'	
NS198	M3-5	PK245+ 1.1	08:02.5	-27:42	320	20	PLNNB	PUP	14.2	7.1"X6.5"	13"-pF,pS,nC,nRi at 100X; 2* 10m and 12* 12m
NS199	Ru 49		08:03.1	-26:47	320	20	OPNCL	PUP	9.6	2.5'	
NS200	Cr 173		08:04.0	-46:00	396	20	OPNCL	PUP	.6	370'	
NS201	Sa2-21		08:08.7	-19:14	320	12	PLNNB	PUP	13.5	40"	
NS202	Ru 53		08:10.8	-27:01	320	20	OPNCL	PUP	Ukn	18.0'	
NS203	He2-7	PK264- 8.1	08:11.5	-48:43	396	20	PLNNB	VEL	12.4	25"	
NS204	Ru 55		08:12.3	-32:36	362	20	OPNCL	PUP	7.8	17.0'	
NS205	Ru 56		08:12.6	-40:28	396	20	OPNCL	PUP	Ukn	42.0'	In. Reg. Vry Blk
NS206	vdB-Ha 23		08:14.4	-36:24	362	20	OPNCL	PUP	Ukn	13.0'	
NS207	Pismis 1		08:17.8	-37:05	362	20	OPNCL	PUP	10.7	4.6'	
NS208	Pismis 2		08:18.3	-40:41	396	20	OPNCL	PUP	Ukn	4.3'	
NS209	Holmberg II	UGC 4305	08:18.9	+70:43	22	1	GALAXY	UMA	11.1	7.6'X6.2'	
NS210	Cr 185		08:22.5	-36:10	363	20	OPNCL	PUP	7.8	9.0'	vF,S,R
NS211	Cr 187		08:24.2	-29:09	363	20	OPNCL	PUP	9.6	7.0'	

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NS212	Pismis 3		08:31.4	-37:40	363	20	OPNCL	VEL	Ukn	6.0'	
NS213	vdB-Ha 34		08:31.3	-44:29	397	20	OPNCL	VEL	Ukn	13.0'	
NS214	MCG-01-22-018	Abell 27	08:31.8	-04:07	231	12	GALAXY	HYA	12.7	1.7'	13"-pF,pL,R,nBM at 165X, 3* invol
NS215	Ru 62		08:32.5	-19:39	321	12	OPNCL	PYX	Ukn	7.0'	
NS216	Pismis 4		08:34.5	-44:16	397	20	OPNCL	VEL	5.9	18.0'	
NS217	He2-11	PK259+ 0.1	08:37.1	-39:26	397	20	PLNNB	VEL	14.5	65"	
NS218	Ru 64		08:37.4	-40:06	397	20	OPNCL	VEL	Ukn	67.0'	
NS219	Pismis 5		08:37.5	-39:40	397	20	OPNCL	VEL	9.9	2.0'	In. Reg. Comp. Blk
NS220	Ru 65		08:39.1	-44:02	397	20	OPNCL	VEL	Ukn	11.0'	
NS221	Pismis 6		08:39.3	-46:13	397	20	OPNCL	VEL	7	1.5'	
NS222	Waterloo 6		08:40.4	-46:09	397	20	OPNCL	VEL	8.4	2.2'	
NS223	M3-6	PK254+ 5.1	08:40.7	-32:23	363	20	PLNNB	PYX	11	11"X6"	
NS224	Pismis 8		08:41.5	-46:17	397	20	OPNCL	VEL	9.5	2.0'	
NS225	Ru 67		08:41.8	-43:23	397	20	OPNCL	VEL	9.1	6.0'	
NS226	vdB-Ha 47		08:42.6	-48:07	397	20	OPNCL	VEL	Ukn	13.0'	
NS227	Cr 197		08:44.7	-41:22	397	20	OPNCL	VEL	6.7	17.0'	
NS228	Bochum 7		08:44.8	-45:59	397	20	OPNCL	VEL	6.8		
NS229	Cr 196		08:45.0	-31:38	363	20	OPNCL	PYX	10.5	5.0'	
NS230	Cr 198		08:45.3	-31:46	363	20	OPNCL	PYX	11.2	6.0'	eB,eeL,mBM,mE,rrr
NS231	Tr 10	Cr 203	08:47.8	-42:29	397	20	OPNCL	VEL	4.6	15.0'	
NS232	Ru 71		08:49.5	-46:48	397	20	OPNCL	VEL	Ukn	7.0'	
NS233	He2-15	PK261+ 2.1	08:53.5	-40:04	397	20	PLNNB	VEL	13	20"	
NS234	Abell 31	PK219+31.1	08:54.2	+08:55	187	12	PLNNB	CNC	12.2	16.8'X15.6'	
NS235	vdB-Ha 56		08:57.3	-43:13	397	20	OPNCL	VEL	Ukn	12.0'	
NS236	Mrk 18		09:00.6	-48:59	397	20	OPNCL	VEL	7.8	2.0'	In. Reg. Vry Blk
NS237	Pismis 10		09:02.6	-43:38	397	20	OPNCL	VEL	Ukn	2.5'	
NS238	MCG -01-24-001		09:10.8	-08:54	277	12	GALAXY	HYA	11.3	4.3'X1.0'	
NS239	PB 4	PK275- 4.1	09:14.9	-54:53	425	25	PLNNB	VEL	12.9	14"X9"	
NS240	N2818A		09:16.0	-36:37	364	20	OPNCL	PYX	8.2	8'	
NS241	Hydra A	MCG -02-24-007	09:18.1	-12:06	277	12	GALAXY	HYA	12.9	0.7'X0.7'	
NS242	He2-26	PK278- 6.1	09:19.6	-59:12	425	25	PLNNB	CAR	Ukn	<10"	
NS243	Abell 779		09:19.9	+33:46	103	6	GLXYCL	LYN	13.8	4.11	
NS244	Pismis 12		09:19.9	-45:08	398	20	OPNCL	VEL	9.7	4.5'	
NS245	Ru 76		09:24.2	-51:44	425	25	OPNCL	VEL	10.8	6.0'	
NS246	UKS0923-545		09:24.6	-54:43	425	25	GLOCL	VEL	Ukn		
NS247	Ru 77		09:27.1	-55:07	425	25	OPNCL	VEL	10.4	2.0'	
NS248	MCG -01-25-009		09:38.9	-04:51	233	12	GALAXY	HYA	11	2'X1.5'	
NS249	Abell 33	PK238+34.1	09:39.1	-02:48	233	12	PLNNB	HYA	13.4	268"	
NS250	Ru 79		09:41.0	-53:50	426	25	OPNCL	VEL	9.2	11.0'	
NS251	Ru 80		09:42.3	-44:02	398	20	OPNCL	VEL	Ukn	12.0'	
NS252	He2-36	PK279- 3.1	09:43.5	-57:17	426	25	PLNNB	CAR	10.4	<25"	
NS253	Ru 82		09:45.6	-53:59	426	25	OPNCL	VEL	8.1	3.6'	
NS254	He2-37	PK274+ 3.1	09:47.5	-48:58	398	20	PLNNB	VEL	14	30"	
NS255	Ru 83		09:49.0	-54:34	426	25	OPNCL	VEL	9.8	3.4'	
NS256	Ru 84		09:49.2	-65:16	448	25	OPNCL	CAR	Ukn	3.6'	
NS257	Pismis 16		09:51.1	-53:11	426	25	OPNCL	VEL	8	1.5'	eL,eF
NS258	Cr 213		09:54.7	-50:43	426	25	OPNCL	VEL	9.2	17.0'	
NS259	Sextans B dwarf	UGC 5373	10:00.0	+05:20	234	13	GALAXY	SEX	11.3	5.1'X3.5'	
NS260	MCG+D551-03-26-006		10:00.2	-29:37	324	13	GALAXY	HYA	13.2	0.4	
NS261	Ru 86		10:01.6	-59:28	426	25	OPNCL	CAR	Ukn	12.0'	
NS262	Tr 11	Cr 216	10:05.0	-61:37	448	25	OPNCL	CAR	8.1	6.0'	
NS263	Palomar 3		10:05.5	+00:04	234	13	GLOCL	SEX	14.7	2.8'	
NS264	MCG+D693-01-26-021		10:05.7	-07:59	279	13	GALAXY	SEX	12.5	1.7'	

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NS265	Tr 12	Cr 217	10:06.4	-60:19	426	25	OPNCL	CAR	8.8	4.0'	
NS266	Ru 161		10:08.0	-61:12	448	25	OPNCL	CAR	Ukn	33.0'	
NS267	Leo I	UGC 5470	10:08.4	+12:18	189	13	GALAXY	LEO	10.2	10.7'X8.3'	In. Reg. Comp. Blk
NS268	Sextans A	UA 205	10:11.0	-04:43	234	13	GALAXY	SEX	11.5	5.9'X4.9'	
NS269	vdB-Ha 90		10:12.1	-56:25	426	25	OPNCL	VEL	10.3	4.0'	
NS270	PB 6	PK278+ 5.1	10:13.3	-50:20	426	25	PLNNB	VEL	Ukn	<25"	
NS271	Ru 87		10:15.5	-50:43	426	25	OPNCL	VEL	Ukn	2.2'	
NS272	Tr 13	Cr 219	10:23.8	-60:05	426	25	OPNCL	CAR	11.3	5.0'	
NS273	Westr 2		10:23.9	-57:45	426	25	OPNCL	CAR	10.5	1.5'	
NS274	MCG+D718+00-27-005		10:23.9	-03:11	234	13	GALAXY	SEX	12.4	1.8'	
NS275	Cr 223		10:30.5	-59:49	427	25	OPNCL	CAR	9.4	9.0'	
NS276	Ru 90		10:31.0	-58:14	427	25	OPNCL	CAR	Ukn	9.0'	
NS277	Bochum 9		10:35.8	-60:08	427	25	OPNCL	CAR	6.3		
NS278	He2-51	PK288- 5.1	10:35.8	-64:19	449	25	PLNNB	CAR	14.2	12"X7"	
NS279	Abell 1060	Hydra I	10:36.8	-27:32	325	20	GLXYCL	HYA	12.7	11.5	
NS280	vdB-Ha 99		10:37.9	-59:12	427	25	OPNCL	CAR	Ukn	15.0'	
NS281	Mel 101	Cr 101	10:42.1	-65:06	449	25	OPNCL	CAR	8	14.0'	
NS282	Bochum 10		10:42.2	-59:09	427	25	OPNCL	CAR	6.2		
NS283	Cr 228		10:43.0	-60:01	427	25	OPNCL	CAR	4.4	15.0'	
NS284	Tr 14	Cr 230	10:43.9	-59:34	427	25	OPNCL	CAR	5.5	5.0'	
NS285	Cr 232		10:44.8	-59:34	427	25	OPNCL	CAR	6.8	4.0'	
NS286	Tr 15	Cr 231	10:44.8	-59:22	427	25	OPNCL	CAR	7	3.0'	
NS287	Tr 16	Cr 233	10:45.1	-59:43	427	25	OPNCL	CAR	5	10.0'	
NS288	Bochum 11		10:47.3	-60:06	427	25	OPNCL	CAR	7.9		
NS289	Ru 91		10:47.7	-57:29	427	25	OPNCL	CAR	Ukn	1.7'	
NS290	Ru 92		10:53.9	-61:44	449	25	OPNCL	CAR	8.6	2.2'	13"-eF,L,R, 5" invol at 100X with UHC filter
NS291	Tr 17	Cr 235	10:56.2	-59:13	427	25	OPNCL	CAR	8.4	5.0'	
NS292	Cr 236		10:57.0	-61:02	449	25	OPNCL	CAR	7.7	8.0'	
NS293	Bochum 12		10:57.4	-61:44	449	25	OPNCL	CAR	9.7		
NS294	Hogg 9		10:58.4	-59:03	427	25	OPNCL	CAR	10.6	1.5'	
NS295	Sher 1		11:00.0	-60:22	427	25	OPNCL	CAR	8.8		
NS296	Pismis 17		11:01.1	-59:49	427	25	OPNCL	CAR	9.4	0.6'	
NS297	Fein 1		11:06.0	-59:49	427	25	OPNCL	CAR	4.7		
NS298	Loden 262		11:10.4	-59:02	427	25	OPNCL	CAR	7.7	10'	
NS299	Hogg 10		11:10.7	-60:22	427	25	OPNCL	CAR	6.9	3.0'	
NS300	Abell 1185	Arp 105	11:10.6	+28:46	106	6	GLXYCL	UMA	14	40'	
NS301	Cr 240		11:11.2	-60:17	427	25	OPNCL	CAR	3.9	25.0'	
NS302	Tr 18	Cr 241	11:11.4	-60:40	427	25	OPNCL	CAR	6.9	12.0'	
NS303	Hogg 11		11:11.5	-60:22	427	25	OPNCL	CAR	8.1	1.5'	
NS304	Hogg 12		11:12.3	-60:45	427	25	OPNCL	CAR	8.8	3.0'	
NS305	Stock 13		11:13.1	-58:55	427	25	OPNCL	CAR	7	3.0'	vS,B
NS306	Tr 19	Cr 243	11:14.3	-57:35	427	25	OPNCL	CAR	9.6	10.0'	
NS307	Mel 105	Cr 246	11:19.5	-63:30	449	25	OPNCL	CAR	8.5	4.0'	
NS308	Abell 1228		11:21.5	+34:20	106	6	GLXYCL	UMA	13.8	4.11	
NS309	K1-22	PK283+25.1	11:26.7	-34:22	367	20	PLNNB	HYA	12.1	188"X174"	
NS310	Fleming 1	PK290+ 7.1	11:28.6	-52:56	427	25	PLNNB	CEN	11.4	30"	
NS311	N3683A		11:29.2	+57:08	46	2	GALAXY	UMA	11.9	2.3'	
NS312	Palomar 4		11:29.3	+28:58	106	6	GLOCL	UMA	14.2	2.1'	
NS313	Ru 94		11:30.4	-63:27	450	25	OPNCL	CEN	Ukn	21.0'	
NS314	N3759A		11:37.0	+55:10	47	2	GALAXY	UMA	13.6	1.2'	
NS315	Stock 14		11:44.0	-62:30	450	25	OPNCL	CEN	6.3	4.0'	
NS316	N3846A		11:44.3	+55:02	47	2	GALAXY	UMA	13.3	1.9'	
NS317	Abell 1367		11:44.5	+19:50	147	6	GLXYCL	LEO	14	30'	

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NS318	Ru 97		11:57.3	-62:39	450	25	OPNCL	CRU	9.1	3.5'
NS319	Ru 98		11:58.0	-64:29	450	25	OPNCL	CRU	7	10.0'
NS320	Cr 285		12:03.0	+58:00	47	2	OPNCL	UMA	.4	1400'
NS321	Stock 15		12:06.9	-59:30	428	25	OPNCL	CRU	Ukn	12.0'
NS322	Mrk 205		12:21.7	+75:18	9	2	QUASAR	CVN	13.1	2.3'X1.4'
NS323	Mel 111	Cr 256	12:25.0	+26:00	148	7	OPNCL	COM	1.8	275'
NS324	Hogg 14		12:28.6	-59:49	428	25	OPNCL	CRU	9.5	3.0'
NS325	Ru 165		12:28.7	-56:28	428	25	OPNCL	CRU	Ukn	22.0'
NS326	Harvard 5	Cr 257	12:29.0	-60:46	428	25	OPNCL	CRU	7.1	6.0'
NS327	3C 273		12:29.1	+02:06	238	13	QUASAR	VIR	12	
NS328	K1-23		12:30.9	+44:14	402	21	PLNNB	CEN	13.5	68"
NS329	N4517A		12:32.5	+00:23	239	14	GALAXY	VIR	12.5	4'
NS330	Ru 105		12:34.1	-61:34	450	25	OPNCL	CRU	Ukn	13.0'
NS331	Upgren 1		12:35.0	+36:18	108	7	OPNCL	CVN	Ukn	15.0'
NS332	MCG-03-32-016		12:37.2	-20:02	329	21	GALAXY	CRV	13.4	0.7'
NS333	Harvard 6	Cr 261	12:37.9	-68:28	451	25	OPNCL	MUS	10.7	5.0'
NS334	Tr 20	Harvard 7	12:39.7	-60:36	429	25	OPNCL	CRU	10.1	18'
NS335	Hogg 15		12:43.6	-63:06	451	25	OPNCL	CRU	10.3	2.0'
NS336	MCG -02-33-015	AN 3	12:49.4	-10:07	284	13	GALAXY	VIR	11.6	2.5'X2.0'
NS337	Abell 35	PK303+40.1	12:53.6	-22:52	329	21	PLNNB	HYA	12	938"X636"
NS338	Abell 1656	Coma I	12:59.8	+27:59	149	7	GLXYCL	COM	11	120'
NS339	MCG+01-34-013		13:16.2	+07:02	195	14	GALAXY	VIR	13.2	0.8'
NS340	Harvard 8	Cr 268	13:18.8	-67:12	451	25	OPNCL	MUS	9.5	4.0'
NS341	Stock 16		13:19.1	-62:34	451	25	OPNCL	CEN	9.1	3.0'
NS342	Ru 107		13:20.6	-64:57	451	25	OPNCL	MUS	9.7	5.0'
NS343	Cr 269		13:22.6	-66:07	451	25	OPNCL	MUS	9.2	15.0'
NS344	Loden 807		13:24.9	-62:26	451	25	OPNCL	CEN	7.9	
NS345	Basel 18		13:28.3	-62:22	451	25	OPNCL	CEN	8.2	4.0'
NS346	Hogg 16		13:29.3	-61:12	451	25	OPNCL	CEN	8.4	4.0'
NS347	Cr 271		13:29.7	-64:11	451	25	OPNCL	CEN	8.7	7.0'
NS348	Cr 272		13:30.6	-61:16	451	25	OPNCL	CEN	7.7	9.0'
NS349	Ru 108		13:32.2	-58:29	430	25	OPNCL	CEN	7.5	12.0'
NS350	Tr 21	Cr 274	13:32.2	-62:47	451	25	OPNCL	CEN	7.7	4.0'
NS351	Cr 275		13:34.6	-60:07	430	25	OPNCL	CEN	10.2	7.0'
NS352	Pismis 18		13:36.6	-62:09	451	25	OPNCL	CEN	9.7	4.0'
NS353	MGC-02-35-010		13:38.1	-09:48	286	14	GALAXY	VIR	12.2	2.3'
NS354	Abell 36	PK318+41.1	13:40.6	-19:53	331	14	PLNNB	VIR	13	478"X281"
NS355	Cr 277		13:48.7	-66:05	452	25	OPNCL	MUS	9.2	16.0'
NS356	vdB-Ha 155		13:57.5	-59:35	430	25	OPNCL	CEN	Ukn	11.0'
NS357	He2-102	PK311+ 2.1	13:58.2	-58:55	430	25	PLNNB	CEN	14.2	9"
NS358	Ru 110		14:06.4	-67:34	452	25	OPNCL	CIR	Ukn	28.0'
NS359	ESO 097-G013	Circinus Dwarf	14:13.2	-65:20	452	25	GALAXY	CIR	10.6	3.2'X1.2'
NS360	Ru 167		14:18.2	-58:58	430	25	OPNCL	CEN	Ukn	14.0'
NS361	He2-108	PK316+ 8.1	14:18.2	-52:11	430	25	PLNNB	CEN	10.1	12"
NS362	Lynga 2		14:24.0	-61:24	452	25	OPNCL	CEN	6.4	12.0'
NS363	Pismis 19		14:30.7	-60:59	431	25	OPNCL	CEN	Ukn	2.2'
NS364	Tr 22	Cr 283	14:31.2	-61:10	452	25	OPNCL	CEN	7.9	7.0'
NS365	He2-111	PK315- 0.1	14:33.3	-60:50	431	25	PLNNB	CEN	13	30"
NS366	Hogg 17		14:33.7	-61:23	452	25	OPNCL	CEN	8.3	7.0'
NS367	He2-112	PK319+ 6.1	14:40.5	-52:35	431	25	PLNNB	LUP	14.7	8"
NS368	vdB-Ha 164		14:44.1	-66:24	452	25	OPNCL	CIR	Ukn	
NS369	Hogg 18		14:50.7	-52:15	431	25	OPNCL	LUP	8	3.0'
NS370	Pismis 20		15:15.4	-59:04	431	25	OPNCL	CIR	7.8	4.5'

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NS371	Palomar 5		15:16.1	-00:07	244	14	GLOCL	SER	11.8	6.9'
NS372	Merrill 2-1	PK342+27.1	15:22.3	-23:38	334	21	PLNNB	LIB	11.6	7"
NS373	Abell 2065		15:22.7	+27:43	154	7	GLXYCL	CRB	15.6	
NS374	Lynga 4		15:33.3	-55:13	432	25	OPNCL	NOR	11.4	3.0'
NS375	Menzel 1	PK322- 2.1	15:34.2	-59:09	432	25	PLNNB	NOR	12.5	50"
NS376	He2-132	PK323- 2.1	15:38.0	-58:45	432	25	PLNNB	NOR	14.6	<25"
NS377	Cr 292		15:50.7	-57:40	432	25	OPNCL	NOR	7.9	16.0'
NS378	Shapley 1	PK329+ 2.1	15:51.7	-51:31	432	25	PLNNB	NOR	13.6	76.0"
NS379	Ru 113		15:57.2	-59:28	432	25	OPNCL	NOR	Ukn	45.0'
NS380	He2-141	PK325- 4.1	15:59.1	-58:24	432	25	PLNNB	NOR	12.4	16"X12"
NS381	Tr 23	Cr 295	16:00.5	-53:31	432	25	OPNCL	NOR	11.2	5.0'
NS382	Abell 2147		16:02.2	+15:55	200	15	GLXYCL	HER	13.8	4.11
NS383	Lynga 6		16:04.8	-51:55	432	25	OPNCL	NOR	9.5	5.0'
NS384	Abell 2151	Hercules Galaxy Cl	16:05.1	+17:43	155	15	GLXYCL	HER	15	40'
NS385	Palomar 14		16:11.1	+14:57	200	15	GLOCL	HER	14.8	2.1'
NS386	Menzel 2	PK329- 2.2, VV 78	16:14.5	-54:57	432	25	PLNNB	NOR	11.9	25"X21"
NS387	He2-152	PK333+ 1.1	16:15.3	-49:14	406	22	PLNNB	NOR	13.7	13"X10"
NS388	Menzel 3	PK331- 1.1	16:17.2	-51:59	432	25	PLNNB	NOR	13.8	35"X16"
NS389	He2-153	PK330- 2.1	16:17.2	-53:32	432	25	PLNNB	NOR	14.1	14"X12"
NS390	Harvard 10		16:19.9	-54:59	432	25	OPNCL	NOR	Ukn	30.0'
NS391	Shane 1	PK 13+32.1	16:21.1	+00:17	246	15	PLNNB	SER	12.8	5"
NS392	Ru 117		16:23.9	-50:21	432	26	OPNCL	NOR	Ukn	1.7'
NS393	Ru 116		16:23.6	-52:00	432	25	OPNCL	NOR	Ukn	5.0'
NS394	He2-159	PK330- 3.1	16:24.3	-54:36	432	25	PLNNB	NOR	13.9	16"X8"
NS395	He2-161	PK331- 2.2	16:24.6	-53:23	432	25	PLNNB	NOR	13.7	<25"
NS396	Cr 302		16:26.0	-26:00	336	22	OPNCL	SCO	1	500' 13"-pB,pL,irr at 100X with UHC; 3 branches
NS397	DoDz 5		16:27.4	+38:04	114	8	OPNCL	HER	Ukn	27.0'
NS398	Abell 39	PK 47+42.1	16:27.5	+27:54	156	8	PLNNB	HER	12.9	174"
NS399	Abell 2197		16:27.7	+40:55	80	8	GLXYCL	HER	14	60'
NS400	Ru 119		16:28.3	-51:31	432	25	OPNCL	NOR	8.8	8.0'
NS401	Ter 3		16:28.7	-35:22	375	22	GLOCL	SCO	Ukn	
NS402	He2-163	PK327- 7.1	16:29.6	-59:09	432	25	PLNNB	NOR	13.9	22"X18"
NS403	He2-164	PK332- 3.1	16:29.9	-53:23	432	25	PLNNB	NOR	13.7	16"
NS404	He2-165	PK331- 3.2	16:30.0	-54:10	432	25	PLNNB	NOR	13.7	54"X45"
NS405	Cr 307		16:35.2	-50:58	433	25	OPNCL	ARA	9.2	6.0'
NS406	Do 27		16:36.5	-08:57	291	15	OPNCL	OPH	Ukn	24.0'
NS407	DoDz 6		16:45.3	+38:17	114	8	OPNCL	HER	Ukn	17.0'
NS408	Hogg 22		16:46.7	-47:06	407	22	OPNCL	ARA	6.7	1.5' 13"-vB,vvL,nC,scattered 38* at 60X
NS409	Lynga 14		16:55.2	-45:19	407	22	OPNCL	SCO	9.7	2.0'
NS410	Cr 316		16:55.5	-40:50	407	22	OPNCL	SCO	3.4	105.0'
NS411	MyCn 26		16:55.8	-29:50	375	22	PLNNB	OPH	12.8	1"
NS412	Tr 24	Harvard 12	16:57.0	-40:40	407	22	OPNCL	SCO	8.6	60.0'
NS413	Palomar 15		16:59.9	-00:32	247	15	GLOCL	OPH	14.2	4.2'
NS414	Harvard 13		17:05.4	-48:11	407	22	OPNCL	ARA	Ukn	15.0'
NS415	M2-9	PK 10+18.2	17:05.7	-10:09	292	15	PLNNB	OPH	14.6	39"X15"
NS416	Peimbert 14	PK336- 6.1	17:06.3	-52:27	433	26	PLNNB	ARA	12.6	8"X6"
NS417	He2-198	PK342- 2.1	17:06.4	-44:13	407	22	PLNNB	SCO	13	25"X15"
NS418	H1-7	PK345- 1.1	17:10.5	-41:53	407	22	PLNNB	SCO	Ukn	8.5"
NS419	DoDz 7		17:10.6	+15:32	202	15	OPNCL	HER	Ukn	20.0'
NS420	B 64	LDN 173	17:17.2	-18:32	337	15	DRKNB	OPH	Dark	20'
NS421	Bochum 13		17:17.3	-35:33	376	22	OPNCL	SCO	7.2	
NS422	He2-207	PK342- 4.1	17:19.5	-45:53	408	22	PLNNB	SCO	12	40"X26"
NS423	Draco Dwarf	UGC 10822	17:20.2	+57:55	52	3	GALAXY	DRA	9.9	33.5"X18.9"



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NS424	Ru 123	Harvard 14	17:23.4	-37:56	376	22	OPNCL	SCO	Ukn	9.0'	
NS425	Pismis 24		17:25.3	-34:21	376	22	OPNCL	SCO	9.6	4.0'	
NS426	DoDz 8		17:26.2	+24:11	158	8	OPNCL	HER	Ukn	14.0'	
NS427	Ter 2		17:27.5	-30:48	376	22	GLOCL	SCO	Ukn	1.5'	
NS428	Tr 26	Cr 331	17:28.5	-29:29	376	22	OPNCL	OPH	9.5	7.0'	10X50-vB,vL,irR, 18*
NS429	M1-20	PK 6+ 8.1	17:29.0	-19:16	338	15	PLNNB	OPH	14	<10"	
NS430	Ru 125		17:29.7	-40:30	408	22	OPNCL	SCO	Ukn	14.0'	
NS431	Antalova 2		17:29.7	-32:30	376	22	OPNCL	SCO	8.8		
NS432	Ter 4		17:30.6	-31:55	376	22	GLOCL	SCO	Ukn		
NS433	Cr 332		17:30.8	-37:05	376	22	OPNCL	SCO	8.9	10.0'	
NS434	HP 1		17:31.1	-29:59	376	22	GLOCL	OPH	Ukn	2.9'	
NS435	Cr 333		17:31.3	-34:05	376	22	OPNCL	SCO	9.8	5.0'	13"-pF,pL,sRi,sC at 100X; 16* and fuzzy back
NS436	Harvard 16		17:31.4	-36:51	376	22	OPNCL	SCO	Ukn	15.0'	13"-pB,L,pRi,irR; 27* mags 10... at 100X
NS437	Grindlay 1		17:32.0	-33:50	376	22	GLOCL	SCO	Ukn		
NS437	Longmore 16	PK349- 4.1	17:35.7	-40:12	408	22	PLNNB	SCO	13	83"	
NS438	Liller 1		17:33.4	-33:23	376	22	GLOCL	SCO	Ukn		13"-pB,pL,pRi,sC at 165X; 23 * mags 11....
NS440	Ter 1		17:35.8	-30:28	376	22	GLOCL	SCO	Ukn	2.8'	13"-pF,pS,nRi,sC at 100X; 17*
NS441	Tr 27	Cr 336	17:36.2	-33:29	376	22	OPNCL	SCO	6.7	7.0'	13"-pF,pL,nRi,nC; 18* mags 11... at 135X
NS442	Haro 1-26	PK350- 3.1	17:36.5	-39:22	408	22	PLNNB	SCO	14	23"X14"	13"-F,S; 6* 12m at 135X
NS443	Ton 2		17:36.6	-39:04	408	22	GLOCL	SCO	Ukn	3.4'	13"-F,S,R,nBM; held steady at 220X
NS444	Tr 28	Cr 337	17:36.8	-32:39	376	22	OPNCL	SCO	7.7	8.0'	13"-F,pL,E at 100X with UHC; crescent shape
NS445	M1-23	PK 7+ 6.1	17:37.4	-18:47	338	15	PLNNB	OPH	14.5	8.4"X6.0"	
NS446	Ru 127		17:37.7	-36:16	376	22	OPNCL	SCO	8.8	8.0'	
NS447	Cr 338		17:38.2	-37:34	376	22	OPNCL	SCO	8	25.0'	
NS448	Tr 29	Cr 343	17:41.6	-40:06	408	22	OPNCL	SCO	7.5	9.0'	
NS449	Hubble 4	PK 3+ 2.1	17:41.9	-24:42	338	22	PLNNB	OPH	13	6.6"X5.8"	13"-pF,pS,nRi,nC; 7* 135X; aster in horseshoe
NS450	Palomar 6		17:43.7	-26:13	338	22	GLOCL	OPH	13.6	7.2'	
NS451	Cr 345		17:44.6	-33:45	377	22	OPNCL	SCO	10.9	6.0'	13"-pB,pL,sC; 22* at 135X
NS452	Cr 347		17:46.4	-29:18	377	22	OPNCL	SGR	8.8	4.0'	
NS453	M2-15	PK 11+ 6.1	17:46.9	-16:17	293	15	PLNNB	SGR	14.6	6.1"X5.4"	13"-vF,pL,R at 100X with UHC filter
NS454	Hubble 5	PK359- 0.1	17:47.9	-30:00	377	22	PLNNB	SGR	11.8	19"X12"	
NS455	Cr 350		17:48.1	+01:18	248	15	OPNCL	OPH	6.1	45.0'	
NS456	Ter 5		17:48.1	-24:47	338	22	GLOCL	SGR	13.5	2.1'	13"-pF,S,nRi,nC at 135X; 6* mags 11...
NS457	Ru 131		17:49.0	-29:13	377	22	OPNCL	SGR	Ukn	10.0'	13"-pF,pS; 15* mags 11... at 135X
NS458	Haro 1-35	PK355- 3.3	17:49.2	-34:23	377	22	PLNNB	SCO	Ukn	<5"	
NS459	Cr 351		17:49.4	-28:44	377	22	OPNCL	SGR	9.3	9.0'	
NS460	Haro 1-36	PK353- 4.1	17:49.8	-37:02	377	22	PLNNB	SCO	Ukn	<10"	
NS461	M1-29	PK359- 1.1	17:50.3	-30:35	377	22	PLNNB	SCO	13.5	9.3"X7.4"	13"-vF,pL,E 1.5X1,nBM at 100X with UHC filter
NS462	The 4-5	PK 9+ 4.1	17:50.4	-19:03	338	15	PLNNB	SGR	13.5	<10"	
NS463	Ter 6		17:50.7	-31:17	377	22	GLOCL	SCO	Ukn	1.2'	
NS464	Hoffleit 2-1	PK355- 4.1	17:51.2	-34:55	377	22	PLNNB	SCO	14	11"X8"	13"-vF,pS,E 2X1 E-W at 135X with UHC filter
NS465	M2-17	PK 10+ 4.1	17:52.1	-17:36	339	15	PLNNB	SGR	14	7.3"X5.7"	
NS466	Abell 43	PK 36+17.1	17:53.6	+10:37	204	15	PLNNB	OPH	14.6	80"X74"	
NS467	VY 1-2	PK 53+24.1	17:54.4	+28:00	116	8	PLNNB	HER	12	5.2"X4.1"	13"-B,pL,mC,mBM; 48* mags 10..14 at 100X
NS468	UKS1751-241		17:54.5	-24:09	339	22	GLOCL	SGR	Ukn		13"-F,pL,E E-W at 100X; 14* mags 12...
NS469	Canon 2-1	PK356- 4.1	17:54.6	-34:23	377	22	PLNNB	SCO	12.2	3"X2"	
NS470	M1-32	PK 11+ 4.1	17:56.3	-16:30	294	15	PLNNB	SGR	12	8.0"X7.3"	
NS471	Tr 30	Harvard 18	17:56.5	-35:19	377	22	OPNCL	SCO	8.8	10.0'	pS,F,Ri,40* mags 12...
NS472	Ru 135		17:58.2	-11:41	294	15	OPNCL	SER	Ukn	11.0'	
NS473	Tr 31	Cr 357	17:59.9	-28:11	377	22	OPNCL	SGR	9.8	8.0'	
NS474	Mel 186	Cr 359	18:01.0	+03:00	249	15	OPNCL	OPH	3	240'	13"-F,pS,nRi,C; 6* at 165X
NS475	M1-34	PK357- 5.1	18:01.4	-33:18	377	22	PLNNB	SGR	13.5	13"X10"	
NS476	M2-23	PK 2- 2.4	18:01.7	-28:26	377	22	PLNNB	SGR	12.4	2"	

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NS477	Ter 9		18:01.8	-26:52	339	22	GLOCL	SGR	Ukn		
NS478	Bochum 14		18:02.0	-23:42	339	22	OPNCL	SGR	9.3		
NS479	M3-22	PK 0- 3.1	18:02.3	-30:14	377	22	PLNNB	SGR	15.1	7.2"X6.1"	13"-pF,pS at 135X; 10* mags 11...
NS480	B 86	LDN 93	18:02.7	-27:50	339	22	DRKNB	SGR	Dark	4'	
NS481	Ter 10		18:03.6	-26:05	339	22	GLOCL	SGR	Ukn		
NS482	B 87	LDN 1771	18:04.3	-32:30	377	22	DRKNB	SGR	Dark	12'	
NS483	M3-23	PK 0- 4.2	18:07.1	-30:34	377	22	PLNNB	SGR	15	9.7"	
NS484	Shapley 3	PK342-14.1	18:07.4	-51:03	434	26	PLNNB	ARA	11.9	36"	
NS485	DoDz 9		18:08.8	+31:32	116	8	OPNCL	HER	Ukn	34.0'	
NS486	Cr 367		18:09.6	-23:59	339	22	OPNCL	SGR	6.4	37.0'	
NS487	M1-42	PK 2- 4.2	18:11.1	-28:59	377	22	PLNNB	SGR	13.3	9.0"X7.4"	
NS488	Ter 11		18:12.6	-22:45	339	22	GLOCL	SGR	Ukn		
NS489	Haro 2-44	PK 5- 4.1	18:13.7	-26:09	339	22	PLNNB	SGR	14.1	8.4"X8.1"	13"-pB,pL,nRi,nC at 135X; 21* mags 11...
NS490	M4-9	PK 24+ 5.1	18:14.3	-04:59	249	15	PLNNB	SGR	14	46"X38"	13"-pB,pS,vC,nRi at 165X
NS491	B 92	LDN 323	18:15.5	-18:11	339	15	DRKNB	SGR	Dark	12'X6'	
NS492	SwSt 1	PK 1- 6.2	18:16.2	-30:52	377	22	PLNNB	SGR	11.8	<5"	
NS493	M3-26	PK 4- 5.1	18:16.2	-27:15	339	22	PLNNB	SGR	14	7.7"X7.3"	
NS494	Cr 469		18:16.4	-18:13	339	15	OPNCL	SGR	9.1	5.0'	
NS495	B 93	LDN 327	18:16.9	-18:04	339	15	DRKNB	SGR	Dark	12'X2'	
NS496	M2-34	PK 7- 3.1	18:17.3	-23:59	339	22	PLNNB	SGR	14	12.5"X6"	
NS497	Tr 32	Harvard 19	18:17.7	-12:37	294	15	OPNCL	SER	12.2	4.0'	
NS498	Canon 3-1	PK 38+12.1	18:17.6	+10:09	204	15	PLNNB	OPH	13.5	7.0"X5.5"	
NS499	M2-35	PK 0- 7.1	18:17.6	-31:57	377	22	PLNNB	SGR	14.9	5"	
NS500	M2-38	PK 5- 5.1	18:19.4	-26:35	339	22	PLNNB	SGR	15	8.9"X7.0"	
NS501	Ru 140		18:21.8	-33:15	378	22	OPNCL	SGR	Ukn	3.5'	
NS502	M2-41	PK 2- 7.1	18:22.6	-30:44	378	22	PLNNB	SGR	15.8	13"X12.5"	
NS503	PC 19	PK 32+ 7.2	18:24.7	+02:30	250	15	PLNNB	SER	Ukn		
NS504	Tr 33	Cr 378	18:24.8	-19:41	340	15	OPNCL	SGR	7.8	7.0'	
NS505	YM 15		18:25.0	00:52	250	16	PLNNB	SER	11.2	475"	
NS506	Haro 1-66	PK 7- 6.1	18:25.0	-25:42	340	22	PLNNB	SGR	13.5	8.5"X7.9"	
NS507	Haro 1-67	PK 9- 4.1	18:25.1	-22:35	340	22	PLNNB	SGR	15	6.3"X5.1"	
NS508	Do 28		18:25.4	-14:39	295	15	OPNCL	SCT	Ukn	12.0'	
NS509	VY 2-1	PK 7- 6.2	18:28.0	-26:07	340	22	PLNNB	SGR	13.1	7"	
NS510	Canon 1-5	PK 2- 9.1	18:29.2	-31:30	378	22	PLNNB	SGR	11.9	<5"	
NS511	K3-4	PK 32+ 5.1	18:31.0	+02:25	250	15	PLNNB	SER	14.6	12.5"X11"	
NS512	Ru 141		18:31.3	-12:19	295	15	OPNCL	SCT	Ukn	7.0'	
NS513	Abell 46	PK 55+16.1	18:31.3	+26:56	160	8	PLNNB	LYR	15.6	67"X60"	
NS514	Do 29		18:31.4	-06:38	295	15	OPNCL	SCT	Ukn	18.0'	
NS515	Do 30		18:32.9	-06:02	295	15	OPNCL	SCT	Ukn	18.0'	
NS516	Ru 144		18:33.8	-10:30	295	15	OPNCL	SCT	Ukn	5.0'	
NS517	M1-52	PK 17- 2.1	18:34.0	-14:52	295	15	PLNNB	SCT	14.8	7.2"X6.1"	
NS518	Do 31		18:34.9	-06:51	295	15	OPNCL	SCT	Ukn	18.0'	
NS519	Perek 1-13	PK 10- 6.2	18:34.9	-22:43	340	22	PLNNB	SGR	15.5	7.8"X7.4"	
NS520	M1-54	PK 16- 4.1	18:36.2	-17:00	295	15	PLNNB	SGR	13	17"X10"	
NS521	M+03-47-008		18:36.6	+19:43	160	16	GALAXY	HER	12.4	1.6'	Brightest in group
NS522	M+03-47-010		18:38.4	+17:11	160	16	GALAXY	HER	12.9	1'	
NS523	N6654A		18:39.4	+73:35	12	3	PLNNB	DRA	12.9	2.6'	
NS524	M3-29	PK 4-11.1	18:39.5	-30:41	378	22	PLNNB	SGR	13.1	8.4"X8.1"	
NS525	Tr 34	Cr 387	18:39.8	-08:29	295	15	OPNCL	SCT	8.6	8.0'	
NS526	Do 32		18:40.4	-04:06	250	15	OPNCL	SCT	Ukn	12.0'	
NS527	M1-57	PK 22- 2.1	18:40.4	-10:40	295	15	PLNNB	SCT	14	9.3"X7.8"	
NS528	M3-30	PK 17- 4.1	18:41.3	-15:34	295	15	PLNNB	SCT	16.4	16.1"	
NS529	Palomar 8		18:41.5	-19:49	340	15	GLOCL	SGR	11.2	4.7'	

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NS530	Tr 35	Cr 388	18:42.9	-04:08	250	15	OPNCL	SCT	9.2	9.0'	
NS531	M1-58	PK 22- 3.1	18:43.0	-11:07	295	15	PLNNB	SCT	12.4	7.0"X5.8"	
NS532	M1-59	PK 23- 2.1	18:43.4	-09:05	295	15	PLNNB	SCT	12.4	4.8"X4.3"	
NS533	He2-418	PK 4-11.2	18:44.3	-30:19	378	22	PLNNB	SGR	14	13"	
NS534	M3-32	PK 9- 9.1	18:44.7	-25:20	340	22	PLNNB	SGR	14	6.6"X5.3"	
NS535	Peimbert 21	PK 13- 7.1	18:45.6	-20:35	340	22	PLNNB	SGR	15.7	14.9"X12"	
NS536	Abell 79	PK102- 2.1	22:26.3	+54:49	57	3	PLNNB	LAC	15.8	59"X49"	
NS536	K4-5	PK 26- 1.1	18:45.6	-06:19	295	15	PLNNB	SCT	Ukn		
NS537	M1-61	PK 19- 5.1	18:45.9	-14:28	295	15	PLNNB	SCT	12.5	<5"	
NS538	Perek 1-16	PK 26- 2.1	18:47.6	-06:54	295	15	PLNNB	SCT	14	7.8"X7.3"	
NS539	Perek 1-17	PK 24- 3.1	18:47.8	-09:09	295	15	PLNNB	SCT	14.1	8.9"X5.1"	
NS540	Isk 1		18:48.0	+37:00	117	8	OPNCL	LYR	Ukn	110.0'	13"-no obvious cluster this location at 60X
NS541	Basel 1		18:48.2	-05:51	295	15	OPNCL	SCT	8.9	9.0'	13"-pF,pS,nC 12* and hazy background at 100X
NS542	M3-33	PK 9-10.1	18:48.2	-25:29	340	22	PLNNB	SGR	14	5.9"X4.2"	
NS543	Czernik 38		18:49.7	+04:56	250	15	OPNCL	SER	Ukn	14.0'	
NS544	B318		18:49.7	-06:24	295	15	DRKNB	SCT	Dark	90'X2'	
NS545	Hu 2-1	PK 51+ 9.1	18:49.8	+20:50	160	8	PLNNB	HER	11.6	3"	
NS546	M1-64	PK 64+15.1	18:50.0	+33:15	117	8	PLNNB	LYR	13.3	17.5"X17"	13"-F,S,IE,cent* seen occaisionally at 220X
NS547	Ru 145		18:50.5	-18:05	340	15	OPNCL	SGR	Ukn	35.0'	
NS548	B112		18:51.2	-06:40	295	15	DRKNB	SCT	Dark	20'X20'	
NS549	Steph 1		18:53.5	+36:55	117	8	OPNCL	LYR	3.8	20.0'	13"-B,pL,nRi,nC at 100X; 15* and Delta LYR
NS550	Cr 349		18:53.5	-20:23	340	22	OPNCL	SGR	6.3	22.0'	
NS551	Hubble 7	PK 3-14.1	18:55.6	-32:16	378	22	PLNNB	SGR	10.9	4"	
NS552	Abell 51	PK 17-10.1	19:01.1	-18:12	341	16	PLNNB	SGR	13.5	64"X58"	
NS553	Sh2-71	PK 36- 1.1	19:02.0	+02:09	251	16	PLNNB	AQL	13.2	124"X75"	
NS555	Hubble 8	PK 3-17.1	19:05.6	-33:12	379	22	PLNNB	SGR	12.9	2"	
NS556	B133	LDN 531	19:06.1	-06:50	296	16	DRKNB	AQL	Dark	10'X3'	Seen in 11X80 finder, No * in 13", DARK SPOT!
NS557	Abell 53	PK 40- 0.1	19:06.8	+06:24	206	16	PLNNB	AQL	16.9	30"X27"	
NS558	Abell 55	PK 33- 5.1	19:10.5	-02:21	251	16	PLNNB	AQL	15.4	47"X32"	
NS559	K3-27	PK 61+ 8.1	19:14.5	+28:41	118	8	PLNNB	LYR	14.3	16.4"	
NS560	Ru 147		19:16.8	-15:33	296	16	OPNCL	SGR	Ukn	47.0'	
NS561	DHW3	PK 19-13.1	19:17.1	-18:02	341	16	PLNNB	SGR	15.6	34"X29"	
NS562	Ter 7		19:17.7	-34:40	379	22	GLOCL	SGR	Ukn		
NS563	Palomar 10		19:18.2	+18:34	161	16	GLOCL	SGE	13.2	3.5'	13"-vF,pS,sBM at 100X; no* reslvd at 320X
NS564	Nassau 2	PK 26-11.1	19:18.7	-11:06	296	16	PLNNB	AQL	13.3		
NS565	Abell 61	PK 77+14.1	19:19.2	+46:15	83	8	PLNNB	CYG	13	200"	
NS566	VY 2-2	PK 45- 2.1	19:24.4	+09:54	206	16	PLNNB	AQL	12.7		
NS567	Cr 399		19:25.4	+20:11	161	8	OPNCL	VUL	3.6	60.0'	vL,B incl 4,5,7 Vulp
NS568	M3-34	PK 31-10.1	19:27.1	-06:35	296	16	PLNNB	AQL	12.4	6.0"X5.1"	
NS569	Peimbert 9	PK 46- 3.1	19:27.8	+10:24	206	16	PLNNB	AQL	Ukn		
NS570	Arp 2		19:28.2	-30:21	379	22	GLOCL	SGR	Ukn	3.7'	
NS571	Peimbert 10	PK 48- 2.1	19:28.2	+12:19	207	16	PLNNB	AQL	14.5	<10"	
NS572	Abell 62	PK 47- 4.1	19:33.3	+10:37	207	16	PLNNB	AQL	13	161"X151"	13"-eF,pS,E,nBM at 165X, 2 vF* invol
NS573	PK 64+ 5.1	BD+30 3639	19:34.8	+30:31	118	8	PLNNB	CYG	9.6	5"	vF,S
NS574	Stock 1		19:35.8	+25:13	162	8	OPNCL	VUL	5.3	60.0'	13"-B,vL,nC at 60X; 28*
NS575	M1-92		19:36.3	+29:33	118	8	BRTNB	CYG	11.7	8"X16"	13"-pB,vS,nBM,sE in PA0 at 220X
NS576	Cr 401		19:38.4	+00:20	252	16	OPNCL	AQL	7	1.0'	
NS577	Merrill 1-1	PK 52- 2.2	19:39.1	+15:56	207	16	PLNNB	AQL	11.8	3"	13"-pF,vS,R,BM at 165X, averted viz helps
NS578	B142-3		19:40.7	+10:57	207	16	DRKNB	AQL	Dark	80'X50'	! L,Irr,2 extensions W
NS579	B143		19:40.7	+11:07	207	16	DRKNB	AQL	Dark	80'X50'	
NS580	Ter 8		19:41.7	-34:00	380	22	GLOCL	SGR	Ukn		
NS581	PC 22	PK 51- 4.1, Ap 22	19:42.0	+13:51	207	16	PLNNB	AQL	Ukn		
NS582	M1-74	PK 52- 4.1	19:42.3	+15:09	207	16	PLNNB	AQL	12.9	9"	

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NS583	Palomar 11		19:45.3	-08:02	297	16	GLOCL	AQL	11.9	3.2'	
NS584	Abell 65	PK 17-21.1	19:46.6	-23:08	342	22	PLNNB	SGR	13.1	134"X74"	
NS585	Harvard 20		19:53.1	+18:20	162	16	OPNCL	SGE	7.7	7.0'	pL,IC,* 11...
NS586	Abell 66	PK 19-23.1	19:57.6	-21:37	342	22	PLNNB	SGR	14.1	295"X241"	
NS587	He1-4	PK 68+ 1.2	19:59.3	+31:55	119	8	PLNNB	CYG	13.3	22"	13"-could not find, 7/10 night at 165X
NS588	Do 36		20:02.5	+42:06	84	9	OPNCL	CYG	Ukn	14.0'	
NS589	K3-51	PK 56- 6.1	20:02.6	+17:36	163	16	PLNNB	SGE	Ukn		
NS590	K3-73	PK 84+ 9.1	20:03.9	+49:19	84	9	PLNNB	CYG	15.7	17"X15"	
NS591	Roslund 4		20:04.9	+29:13	119	9	OPNCL	VUL	10		
NS592	DoDz 10		20:05.7	+40:32	84	9	OPNCL	CYG	Ukn	20.0'	
NS593	Basel 6		20:06.8	+38:21	119	9	OPNCL	CYG	7.7	14.0'	13"-pB,pL,arrowhead shape, 22* at 100X
NS594	Biur 1		20:07.5	+35:41	119	9	OPNCL	CYG	Ukn	15.0'	
NS595	M4-17	PK 79+ 5.1	20:09.0	+43:44	84	9	PLNNB	CYG	12.3	23"X21"	
NS596	Biur 2		20:09.2	+35:29	119	9	OPNCL	CYG	6.3	13.0'	13"-pF,pL,sC,nvRi, 22* mags 11..13 at 100X
NS597	Roslund 5		20:10.0	+33:46	119	9	OPNCL	CYG	Ukn	45.0'	
NS598	Berk 50		20:10.5	+34:56	119	9	OPNCL	CYG	Ukn	4.0'	
NS599	Ru 172		20:11.8	+35:38	119	9	OPNCL	CYG	Ukn	4.0'	
NS600	Mel 227	Cr 411	20:12.1	-79:19	470	26	OPNCL	OCT	5.3	50.0'	
NS601	Do 3		20:15.7	+36:47	119	9	OPNCL	CYG	Ukn	15.0'	
NS602	Do 39		20:16.4	+37:52	119	9	OPNCL	CYG	Ukn	13.0'	
NS603	He1-6	PK 65- 5.1	20:17.3	+25:22	163	9	PLNNB	VUL	14	18"X13"	
NS604	vdB 130	OCL 167	20:17.7	+39:19	84	9	OPNCL	CYG	9.3	6'	
NS605	Cr 419		20:18.1	+40:43	84	9	OPNCL	CYG	5.4	4.5'	13"-pB,pL,nRi,sC, 16* mags 11..13 at 100X
NS606	Do 40		20:18.2	+37:50	119	9	OPNCL	CYG	Ukn	12.0'	
NS607	Do 41		20:19.3	+37:44	119	9	OPNCL	CYG	Ukn	11.0'	
NS608	Do 42		20:19.7	+38:08	119	9	OPNCL	CYG	Ukn	11.0'	
NS609	Berk 86		20:20.4	+38:42	120	9	OPNCL	CYG	7.9	8.0'	13"-pF,pS,nRi,nC 19* mags 10..13 at 135X
NS610	Berk 87		20:21.7	+37:22	120	9	OPNCL	CYG	Ukn	12.0'	
NS611	Do 43		20:21.0	+39:57	84	9	OPNCL	CYG	Ukn	20.0'	
NS612	Cr 421		20:23.3	+41:42	84	9	OPNCL	CYG	10.1	6.0'	13"-pF,pS,nRi,IC, 22* at 135X
NS613	Do 10		20:26.3	+40:07	85	9	OPNCL	CYG	Ukn	16.0'	
NS614	Do 44		20:29.7	+41:43	85	9	OPNCL	CYG	Ukn	12.0'	
NS615	Abell 70	PK 38-25.1	20:31.6	-07:05	298	16	PLNNB	AQL	14.3	44"X40"	
NS616	Abell 71	PK 85+ 4.1	20:32.4	+47:21	85	9	PLNNB	CYG	15.2	168"X147"	
NS617	Ru 173		20:41.8	+35:33	120	9	OPNCL	CYG	Ukn	50.0'	
NS618	Ru 175		20:45.2	+35:30	120	9	OPNCL	CYG	Ukn	9.0'	
NS619	Abell 72	PK 59-18.1	20:50.1	+13:34	209	16	PLNNB	DEL	13.8	134"X121"	13"-eF,pL,irR,3* invol at 135X, UHC helps
NS620	DoDz 11		20:51.0	+35:57	120	9	OPNCL	CYG	Ukn	13.0'	
NS621	Bark 1		20:53.7	+46:02	85	9	OPNCL	CYG	Ukn	20.0'	
NS622	Berk 53		20:56.6	+51:02	56	3	OPNCL	CYG	Ukn	12.0'	
NS623	IV Zw 67	PK 80- 6.1,CRL 2688	21:02.3	+36:42	121	9	PLNNB	CYG	13.5	27"X18"	
NS624	Cr 428		21:03.2	+44:35	85	9	OPNCL	CYG	8.7	14.0'	
NS625	Do 45		21:09.0	+37:36	121	9	OPNCL	CYG	Ukn	18.0'	
NS626	K3-81	PK 83- 8.1	21:22.3	+38:07	121	9	PLNNB	CYG	15.7	11"	
NS627	K3-82	PK 93- 0.1	21:31.1	+50:00	57	3	PLNNB	CYG	14.9	19"	
NS628	Abell 77	PK 97+ 3.1	21:32.2	+55:53	57	3	PLNNB	CEP	15.2	67"X50"	
NS629	Hu 1-2	PK 86- 8.1	21:33.1	+39:38	86	9	PLNNB	CYG	12.7	10"X7"	
NS630	Abell 78	PK 81-14.1	21:35.5	+31:42	121	9	PLNNB	CYG	14.3	113"X88"	
NS631	M1-79	PK 93+ 2.1	21:37.0	+48:56	86	9	PLNNB	CYG	13.2	38"X27"	
NS632	Palomar 12		21:46.5	-21:14	346	23	GLOCL	CAP	12.9	2.9'	
NS633	Cr 471		22:07.0	+72:00	33	3	OPNCL	CEP	Ukn	130.0'	
NS634	M2-51	PK103+ 0.1	22:16.1	+57:29	57	3	PLNNB	CEP	Ukn	47"X38"	
NS635	Berk 94		22:22.7	+55:51	57	3	OPNCL	CEP	8.7	4.0'	

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NS636	Abell 79		22:26.3	+54:50	57	3	PLNNB	LAC	15	59"	
NS637	Merrill 2-2	PK100- 8.1	22:31.7	+47:48	87	9	PLNNB	LAC	11.9		
NS638	M2-53	PK104- 1.1	22:32.3	+56:10	58	3	PLNNB	LAC	14.9	14.3"	
NS639	Berk 97		22:39.5	+59:01	58	3	OPNCL	CEP	Ukn	6.0'	
NS640	King 10		22:54.9	+59:10	58	3	OPNCL	CEP	Ukn	3.0'	
NS641	M1-80	PK107- 2.1	22:56.3	+57:09	58	3	PLNNB	CEP	14.2	8"	
NS642	Palomar 13		23:06.7	+12:46	213	17	GLOCL	PEG	13.8	1.8'	
NS643	King 19		23:08.3	+60:31	58	3	OPNCL	CEP	9.2	7.0'	13"-pF,pS,nC; 12* at 165X
NS644	Mrk 50		23:15.3	+60:28	58	3	OPNCL	CEP	8.5	5.0'	
NS645	LBN 11	Sh2-157	23:16.1	+60:02	58	3	BRTNB	CAS	Ukn	60'X50'	Low brightness
NS646	Abell 2572		23:18.4	+18:44	169	17	GLXYCL	PEG	Ukn	Ukn	
NS647	Do 46		23:21.9	+55:46	58	3	OPNCL	CAS	Ukn	12.0'	
NS648	Czernik 43		23:25.8	+61:19	15	3	OPNCL	CAS	Ukn	14.0'	
NS649	Hubble 12	PK111- 2.1	23:26.9	+58:11	58	3	PLNNB	CAS	14	3"	
NS650	M2-55	PK116+ 8.1	23:31.9	+70:23	15	3	PLNNB	CEP	12.2	42"X36"	
NS651	Stock 11		23:32.9	+55:29	35	3	OPNCL	CAS	Ukn	10.0'	
NS652	Jones 1	PK104-29.1	23:35.9	+30:28	124	9	PLNNB	PEG	12.7	314"	13"-vF,vL,irr; only seen with UHC filter 100X
NS653	Stock 12		23:37.2	+52:26	35	3	OPNCL	CAS	Ukn	20.0'	
NS654	Abell 2634		23:38.3	+27:03	169	9	GLXYCL	PEG	13.8	4.11	
NS655	Abell 82	PK114- 4.1	23:45.8	+57:04	35	3	PLNNB	CAS	12.7	94"	13"-F,pS,R,nBM at 135X, visual size=10 arcsec
NS656	Abell 84	PK112-10.1	23:47.7	+51:24	35	3	PLNNB	CAS	14.4	147"X114"	
NS657	King 21		23:49.9	+62:43	15	3	OPNCL	CAS	9.8	2.5'	13"-pF,pS; 17* at 135X
NS658	Abell 2666		23:50.9	+27:10	125	9	GLXYCL	PEG	13.8	4.11	
NS659	King 12		23:53.0	+61:58	15	3	OPNCL	CAS	10	2.0'	13"-pB,S,sE; 15* at 135X; D* invol
NS660	Harvard 21		23:54.1	+61:46	15	3	OPNCL	CAS	9	4.0'	pRi,C
NS661	Frolov 1		23:57.4	+61:38	15	3	OPNCL	CAS	9.2		