

## 497 Open clusters for observers on the northern hemisphere

Catalogue	Constellation	RA	DEC	vMag	CLASS
Berk 58	CAS	00 00.2	+60 58	09.7	IV 2 p
Stock 18	CAS	00 02.5	+64 39	?	IV 2p :a
Berk 59	CEP	00 02.6	+67 23	11.0	III 2 p n
Berk 104	CAS	00 03.4	+63 36	?	II 1p :b
Stock 19	CAS	00 04.4	+56 02	?	II 2 p
Czernik 1	CAS	00 07.8	+61 25	?	I 2p :b
Berk 1	CAS	00 09.7	+60 26	?	III 1p :b
King 13	CAS	00 10.2	+61 13	?	II 2m :b
Berk 60	CAS	00 17.9	+60 58	?	III 1p :b
King 1	CAS	00 22.2	+64 24	?	II 2r :b
Mayer 1	CAS	00 22.2	+61 45	?	IV 2pn:b
Stock 20	CAS	00 25.2	+62 39	?	II 2p :a
NGC 103	CAS	00 25.3	+61 19	09.8	II 2 p
Berk 2	CAS	00 25.6	+60 24	?	I 1m:b
NGC 110	CAS	00 27.4	+71 24	?	IV 1 p
NGC 129	CAS	00 30.0	+60 13	06.5	IV 2 p
Stock 21	CAS	00 30.5	+57 58	?	IV 2p :b
NGC 133	CAS	00 31.3	+63 21	09.4	IV 1 p
NGC 136	CAS	00 31.5	+61 31	11.5p	II 2 p
King 14	CAS	00 31.9	+63 10	08.5	III 2 p
NGC 146	CAS	00 32.9	+63 19	09.1	IV 3 p
King 15	CAS	00 33.4	+61 52	?	IV 2p :b
NGC 189	CAS	00 39.6	+61 05	08.8	III 2 p
Stock 24	CAS	00 39.7	+61 57	08.8	IV 2 P
Do 12	CAS	00 40.8	+60 51	?	
NGC 225	CAS	00 43.6	+61 46	07.0	III 1 p n
King 16	CAS	00 43.7	+64 11	10.3	II 3 p
Czernik 2	CAS	00 44.4	+60 09	?	IV 2m :b
Berk 4	CAS	00 45.5	+64 24	10.6	I 2 p
NGC 188	CEP	00 47.5	+85 14	08.1	II 2 r
Berk 61	CAS	00 49.2	+67 14	?	II 1p :b
Do 13	CAS	00 50.0	+64 08	?	III 1 p
NGC 272	AND	00 51.4	+35 49	?	IV 1 p
King 2	CAS	00 51.8	+58 11	?	II 2m :b
NGC 281	CAS	00 53.0	+56 37	07.4	E+*
Berk 62	CAS	01 01.0	+63 57	09.3	III 2 p
Czernik 3	CAS	01 04.1	+62 48	09.9	III 2p :b
NGC 366	CAS	01 06.4	+62 14	12.0	II 3 p
NGC 381	CAS	01 08.4	+61 35	09.3	III 2 p
Stock 3	CAS	01 12.3	+62 20	?	IV 1 p
NGC 433	CAS	01 15.2	+60 08	09.0	III 2 p
NGC 436	CAS	01 16.0	+58 49	08.8	I 3 m
NGC 457	CAS	01 19.5	+58 17	06.4	I 3 r
NGC 559	CAS	01 29.5	+63 19	09.5	II 2 m
M 103	CAS	01 33.4	+60 39	07.4	III 2 p
Tr 1	CAS	01 35.7	+61 17	08.1	I 3 p
Czernik 4	CAS	01 35.9	+61 26	?	IV 2p :b
NGC 609	CAS	01 36.4	+64 32	11.0	II 3 r
NGC 637	CAS	01 43.1	+64 02	08.2	I 3 p
NGC 657	CAS	01 43.8	+55 53	?	
NGC 654	CAS	01 44.0	+61 53	06.5	II 3 m
NGC 659	CAS	01 44.4	+60 40	07.9	III 1 p
NGC 663	CAS	01 46.0	+61 15	07.1	III 2 m

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Cr 463	CAS	01 48.4	+71 57	05.7	III 2 p
Berk 5	CAS	01 48.5	+62 56	?	IV 1p :b
Cr 21	TRI	01 50.1	+27 15	08.2	IV 2 p
Berk 6	CAS	01 51.9	+61 05	?	II 2p :b
IC 166	CAS	01 52.5	+61 51	11.7	III 1 r
Stock 4	PER	01 52.8	+57 04	?	III 1 p
Berk 7	CAS	01 55.0	+62 22	?	II 2p :b
Czernik 5	CAS	01 55.9	+61 20	?	III 1p :b
NGC 752	AND	01 57.7	+37 40	05.7	III 1 m
NGC 743	CAS	01 58.5	+60 10	09.5	II 1 p
NGC 744	PER	01 58.5	+55 28	07.9	IV 2 p
Berk 8	CAS	02 02.0	+75 34	?	II 2m :b
Czernik 6	CAS	02 03.0	+62 53	?	II 2p :b
Czernik 7	CAS	02 03.4	+62 15	?	II 1p :b
Stock 5	CAS	02 04.5	+64 26	07.0	IV 2 p
Stock 2	CAS	02 15.0	+59 16	04.4	III 1 m
Basel 10	PER	02 18.8	+58 19	09.9	
NGC 869	PER	02 19.1	+57 08	05.3	I 3 r
Berk 63	CAS	02 19.8	+63 45	?	III 1p :b
Berk 64	CAS	02 21.3	+65 54	?	II 1m :b
NGC 884	PER	02 22.5	+57 09	06.1	I 3 r
NGC 886	CAS	02 23.2	+63 47	?	
Stock 6	CAS	02 23.7	+63 52	10.0	IV 2 p
Tombaugh 4	CAS	02 29.3	+61 47	?	II 1 mn :b
Mrk 6	CAS	02 29.6	+60 39	07.1	IV 2 p
NGC 956	AND	02 32.5	+44 36	08.9	IV 1 p
Mel 15	CAS	02 32.6	+61 27	06.6	III 3 p n
IC 1805	CAS	02 32.7	+61 27	06.5	III 3 p n
Czernik 8	PER	02 33.0	+58 44	09.7	II 3 m
NGC 957	PER	02 33.3	+57 34	07.6	III 2 p
Czernik 9	CAS	02 34.1	+59 53	?	III 2p :b
Czernik 10	CAS	02 34.3	+60 11	?	IV 1p :b
King 4	CAS	02 35.7	+59 00	10.5	III 1 p
Czernik 11	CAS	02 36.3	+59 38	?	I 2pn :b
Tr 2	PER	02 37.3	+55 59	05.9	III 2 p
Berk 65	CAS	02 39.0	+60 25	10.2	I 2 p
Czernik 12	PER	02 39.7	+56 56	?	III 1p :b
M 34	PER	02 42.1	+42 47	05.2	II 3 m
NGC 1027	CAS	02 42.6	+61 36	06.7	III 2 p n
Czernik 13	CAS	02 44.7	+62 21	10.4	II 2 p
DoDz 1	ARI	02 47.4	+17 12	?	III 2 p
IC 1848	CAS	02 51.4	+60 25	06.5	IV 3 p n
Latysev 1	ARI	02 53.2	+27 28	?	
Cr 33	CAS	02 59.3	+60 24	05.9	
Cr 34	CAS	03 00.9	+60 25	06.8	I 3 p
Berk 66	CAS	03 04.2	+58 46	?	I 3m :b
NGC 1193	PER	03 05.9	+44 23	12.6	II 3 m
NGC 1220	PER	03 11.7	+53 21	11.8	II 2 p
Tr 3	CAS	03 11.8	+63 15	07.0	III 3 p
NGC 1245	PER	03 14.7	+47 14	08.4	III 1 r
King 5	PER	03 14.8	+52 43	?	I 2m :b
Stock 23	CAM	03 16.3	+60 02	?	III 3 p n
Czernik 14	CAM	03 17.1	+58 36	?	III 1p :b
Mel 20	PER	03 22.0	+49 00	01.2	III 3 m

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Czernik 15	PER	03 23.4	+52 15	?	IV 2p :b
King 6	CAM	03 28.1	+56 27	?	IV 2 p
Czernik 16	PER	03 31.2	+52 39	?	IV 2p :b
NGC 1342	PER	03 31.7	+37 22	06.7	III 3 p
Berk 9	PER	03 33.2	+52 42	?	II 1p :b
NGC 1348	PER	03 34.1	+51 25	?	II 2 p
Berk 10	CAM	03 39.4	+66 32	12.0	II 3 p
IC 348	PER	03 44.6	+32 10	07.3	IV 2 p n
M 45	TAU	03 47.0	+24 07	01.2	I 3 r n
Tombaugh 5	CAM	03 47.8	+59 03	08.4	III 2 m
NGC 1444	PER	03 49.4	+52 40	06.6	IV 1 p
Czernik 17	CAM	03 53.2	+62 07	?	IV 1p :b
King 7	PER	03 59.8	+51 48	?	I 2r :b
NGC 1496	PER	04 04.5	+52 40	09.6	II 1 p
Do 14	TAU	04 06.6	+27 26	?	IV 2 p
NGC 1502	CAM	04 07.8	+62 20	06.9	II 3 p
NGC 1513	PER	04 09.9	+49 31	08.4	II 1 m
NGC 1528	PER	04 15.3	+51 13	06.4	II 2 m
IC 361	CAM	04 18.8	+58 15	11.7	II 1 r
Mayer 2	CAM	04 19.7	+53 16	?	III 1pn:b
Berk 11	PER	04 20.6	+44 55	10.4	II 3 m
NGC 1545	PER	04 20.9	+50 15	06.2	II 2 p
Mel 25	TAU	04 27.0	+16 00	00.5	II 3 m
Czernik 18	TAU	04 28.3	+30 56	?	IV 1p :b
NGC 1582	PER	04 31.8	+43 47	07.0	IV 2 p
NGC 1605	PER	04 34.9	+45 16	10.7	III 1 m
Berk 67	PER	04 38.7	+50 45	?	III 1m:b
NGC 1624	PER	04 40.6	+50 28	11.8	II 1 p n:b
Berk 68	PER	04 44.5	+42 04	09.8	IV 2 p
Berk 12	PER	04 45.3	+42 41	?	II 1m:b
NGC 1647	TAU	04 45.9	+19 06	06.4	II 2 m
Ru 148	PER	04 46.5	+44 44	09.5	IV 2 p
NGC 1662	ORI	04 48.4	+10 57	06.4	I 2 p
NGC 1663	ORI	04 48.6	+13 09	?	IV 2 p
NGC 1664	AUR	04 51.1	+43 41	07.6	III 1 p
Berk 13	CAM	04 56.4	+52 45	?	III 1p :b
Czernik 19	AUR	04 57.0	+28 47	?	III 2 m
Berk 14	AUR	05 01.1	+43 48	?	III 1m:b
Berk 15	AUR	05 03.2	+44 27	?	I 2m :b
NGC 1708	CAM	05 03.4	+52 50	?	
NGC 1724	AUR	05 03.5	+49 30	10.0p	
NGC 1746	TAU	05 03.8	+23 46	06.1	III 1 p
NGC 1750	TAU	05 03.9	+23 41	?	
Do 15	AUR	05 04.6	+34 50	?	IV 1 p
NGC 1758	TAU	05 04.7	+23 47	?	IV 1 p
NGC 1778	AUR	05 08.1	+37 01	07.7	III 2 p
King 17	AUR	05 08.5	+39 05	?	II 2m :b
NGC 1802	TAU	05 10.2	+24 08	?	
NGC 1807	TAU	05 10.7	+16 32	07.0	II 2 p
NGC 1798	AUR	05 11.7	+47 42	?	I 1 m :b
NGC 1817	TAU	05 12.4	+16 41	07.7	III 1 m
Do 16	AUR	05 14.6	+32 43	?	III 2 p n
Czernik 20	AUR	05 20.1	+39 28	?	II 2 r
NGC 1857	AUR	05 20.1	+39 21	07.0	II 2 m

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Berk 17	AUR	05 20.6	+30 36	14.0	III 1 r
Cr 464	CAM	05 22.0	+73 00	04.2	IV 3 p
Berk 18	AUR	05 22.2	+45 24	14.0	II 1 r
Do 17	ORI	05 22.4	+07 07	?	IV 2 p
Cr 62	AUR	05 22.5	+41 00	04.2	IV 3 p
NGC 1893	AUR	05 22.7	+33 25	07.5	II 2 m n
King 22	AUR	05 22.9	+45 28	?	III 3 r
Do 19	ORI	05 23.7	+08 11	?	IV 1 p
DoDz 2	ORI	05 23.9	+11 28	?	
Berk 19	AUR	05 24.1	+29 36	11.4	IV 2 p
Do 18	AUR	05 24.1	+33 18	?	IV 2 p n
Berk 69	AUR	05 24.9	+32 39	?	II 2m :b
Berk 70	AUR	05 25.7	+41 54	?	IV 3 m
NGC 1883	AUR	05 25.9	+46 29	12.0	II 1 p
Cr 65	ORI	05 26.0	+16 00	03.0	II 3 p
Czernik 21	AUR	05 26.8	+36 00	?	IV 1 mn:b
Do 21	ORI	05 27.4	+07 04	?	IV 2 p
Stock 8	AUR	05 27.6	+34 25	?	I 2 p n
NGC 1907	AUR	05 28.1	+35 20	08.2	II 1 m n
Do 20	AUR	05 28.6	+33 47	?	IV 1 p
M 38	AUR	05 28.7	+35 51	06.4	III 2 m
NGC 1931	AUR	05 31.4	+34 15	10.1	I 3 p n:b
Berk 20	ORI	05 33.4	+00 13	?	II 2p :b
DoDz 3	TAU	05 33.7	+26 29	?	IV 2 p
Cr 69	ORI	05 35.1	+09 56	02.8	II 3 p n
DoDz 4	TAU	05 35.9	+25 57	?	IV 1 p
M 36	AUR	05 36.3	+34 08	06.0	II 3 m
Stock 10	AUR	05 39.0	+37 56	?	IV 3 p
Berk 71	AUR	05 41.8	+32 23	?	II 1m:b
NGC 2026	TAU	05 43.0	+20 08	?	
NGC 2013	AUR	05 44.0	+55 48	?	
Basel 4	AUR	05 48.5	+30 13	09.1	II 1 p
Cr 74	ORI	05 49.2	+07 24	14.4	III 1m:b
King 8	AUR	05 49.4	+33 38	11.2	I 3 m
Czernik 23	AUR	05 50.4	+28 56	?	III 1p :a
Berk 72	ORI	05 51.1	+22 12	?	II 1p :b
Berk 21	ORI	05 51.7	+21 47	11.1	II 3 m
M 37	AUR	05 52.3	+32 33	05.6	II 1 r
NGC 2112	ORI	05 53.8	+00 25	09.1	II 3 m n
Czernik 24	ORI	05 56.0	+20 52	?	III 1m:b
Basel 11B	ORI	05 58.2	+21 58	08.9	II 2 m
Berk 22	ORI	05 59.3	+07 50	?	I 2p :b
NGC 2129	GEM	06 00.7	+23 19	06.7	III 3 p
NGC 2126	AUR	06 02.5	+49 52	10.2	II 1 p
NGC 2141	ORI	06 02.9	+10 27	09.4	II 3 r
NGC 2143	ORI	06 03.0	+05 50	?	
IC 2157	GEM	06 04.8	+24 04	08.4	III 2 p
NGC 2158	GEM	06 07.4	+24 06	08.6	II 3 r
NGC 2168	GEM	06 08.2	+24 22	05.1	III 2 m
NGC 2169	ORI	06 08.4	+13 58	05.9	I 3 p n
NGC 2175	ORI	06 09.6	+20 29	06.8	IV 3 p n
NGC 2180	ORI	06 09.6	+04 43	?	
NGC 2175S	ORI	06 10.9	+20 36	?	
NGC 2165	AUR	06 11.1	+51 41	?	

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NGC 2186	ORI	06 12.1	+05 28	08.7	II 2 p
Czemik 25	ORI	06 13.2	+06 59	?	III 1p :b
NGC 2194	ORI	06 13.8	+12 48	08.5	III 1 r
NGC 2192	AUR	06 15.3	+39 51	10.9	III 1 p
NGC 2202	ORI	06 16.8	+06 00	?	
Cr 89	GEM	06 18.0	+23 38	05.7	IV 2 p n
Cr 91	MON	06 21.7	+02 22	06.4	IV 2 p
Cr 92	MON	06 22.9	+05 07	08.5	
Do 22	MON	06 23.3	+04 39	?	IV 1 p
Bochum 1	GEM	06 25.5	+19 46	07.9	
NGC 2236	MON	06 29.7	+06 50	08.5	III 2 p
Cr 96	MON	06 30.3	+02 52	07.3	IV 2 p
Cr 95	MON	06 30.5	+09 56	?	IV 2 p n
NGC 2237	MON	06 30.9	+05 03	05.5	E
Cr 97	MON	06 31.3	+05 55	05.4	IV 3 p
NGC 2239	MON	06 31.9	+04 57	04.8	II 3 p n
NGC 2244	MON	06 31.9	+04 57	04.8	II 3 r n:b
NGC 2240	AUR	06 33.2	+35 15	?	
Berk 23	GEM	06 33.9	+20 33	?	III 1m:b
NGC 2251	MON	06 34.6	+08 22	07.3	IV 2 p
Basel 8	MON	06 34.7	+08 05	?	IV 3mn:b
NGC 2252	MON	06 34.7	+05 22	07.7	IV 2 p n
NGC 2254	MON	06 35.8	+07 40	09.1	I 2 p
Cr 104	MON	06 36.5	+04 49	09.6	IV 1 p n
Basel 7	MON	06 36.6	+08 21	08.5	
Tr 5	MON	06 36.7	+09 26	10.9	II 3 r n
Cr 106	MON	06 37.1	+05 57	04.6	III 3 p
vdB 1	MON	06 37.5	+03 04	09.5	III 1p :b
Cr 107	MON	06 37.7	+04 44	05.1	IV 3 p
Berk 24	MON	06 38.3	+00 55	?	III 1p :b
Cr 110	MON	06 38.4	+02 01	10.5	III 1 m
NGC 2259	MON	06 38.4	+10 53	10.8	II 2 p n
Cr 111	MON	06 38.7	+06 54	07.0	
NGC 2262	MON	06 39.6	+01 09	11.3	I 2 p
NGC 2264	MON	06 41.0	+09 54	03.9	III 3 m n:
Do 23	MON	06 43.2	+00 00	?	IV 2 p
NGC 2266	GEM	06 43.3	+26 58	09.5	II 2 m
NGC 2269	MON	06 43.3	+04 37	10.0	II 2 p
NGC 2253	CAM	06 43.7	+65 12	13.1p	1
NGC 2270	MON	06 44.0	+03 29	?	
Do 24	MON	06 44.2	+01 36	?	III 1 p
Do 25	MON	06 45.1	+00 18	07.6	IV 2 p n
Cr 115	MON	06 46.5	+01 46	09.1	III 2 p
vdB 85	MON	06 47.6	+01 20	?	I 2pn:b
NGC 2281	AUR	06 48.3	+41 05	05.4	I 3 p
Bochum 2	MON	06 48.9	+00 23	09.7	
Biur 12	MON	06 51.0	+05 46	?	III 1m:b
NGC 2301	MON	06 51.8	+00 28	06.0	I 3 m
Biur 11	MON	06 52.0	+05 46	?	III 1p :b
Biur 10	MON	06 52.2	+02 56	10.4	I 3 p
Berk 29	GEM	06 54.1	+16 55	?	I 1p :b
NGC 2304	GEM	06 55.2	+17 59	10.0	II 1 p
Biur 8	MON	06 58.1	+06 26	?	II 2 m
Biur 7	MON	06 58.5	+08 16	?	II 1m:b

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Biur 9	MON	06 58.6	+03 13	?	II 2m :b
Biur 13	MON	07 01.3	+00 07	?	IV 1p :b
Czernik 27	MON	07 03.1	+06 25	?	III 1p :b
NGC 2324	MON	07 04.1	+01 03	08.4	II 2 r
NGC 2331	GEM	07 07.0	+27 16	08.5	IV 1 p
Berk 35	CMI	07 10.9	+02 44	?	IV 1p :b
NGC 2355	GEM	07 17.0	+13 45	09.7	II 2 p
NGC 2356	GEM	07 17.0	+13 45	09.7	
King 23	CMI	07 22.2	+00 47	?	III 2p :b
Berk 78	CMI	07 24.8	+05 20	?	II 1p :b
NGC 2395	GEM	07 27.2	+13 37	08.0	III 1 p
NGC 2394	CMI	07 28.6	+07 05	?	
Do 26	CMI	07 30.1	+11 54	?	IV 1 p
NGC 2420	GEM	07 38.4	+21 34	08.3	I 2 r
NGC 2459	CMI	07 52.0	+09 33	?	
M 44	CNC	08 40.0	+19 40	03.1	II 2 m
NGC 2664	CNC	08 47.1	+12 36	?	
NGC 2678	CNC	08 50.0	+11 20	?	
M 67	CNC	08 50.8	+11 49	06.9	II 2 m
NGC 3231	UMA	10 27.0	+66 49	?	
Cr 285	UMA	12 03.0	+58 00	00.4	
Mel 111	COM	12 25.0	+26 00	01.8	II 3 p
Uppgren 1	CVN	12 35.0	+36 18	?	IV 2 p
DoDz 5	HER	16 27.4	+38 04	?	III 1 p
DoDz 6	HER	16 45.3	+38 17	?	IV 2 p
DoDz 7	HER	17 10.6	+15 32	?	III 1 p
DoDz 8	HER	17 26.2	+24 11	?	IV 2 p
IC 4665	OPH	17 46.3	+05 43	04.2	III 2 p
Cr 350	OPH	17 48.1	+01 18	06.1	IV 2 p
Mel 186	OPH	18 01.0	+03 00	03.0	IV 3 m
NGC 6525	OPH	18 02.1	+11 02	?	
DoDz 9	HER	18 08.8	+31 32	?	III 2 p
NGC 6633	OPH	18 27.3	+06 31	04.6	III 2 m
Graff 1	SER	18 35.4	+05 10	?	
IC 4756	SER	18 39.0	+05 27	04.6	III 2 m
Berk 79	AQL	18 45.8	+00 41	?	II 1r :b
Isk 1	LYR	18 48.0	+37 00	?	
Czernik 38	SER	18 49.7	+04 56	?	II 3 r
NGC 6709	AQL	18 51.5	+10 21	06.7	III 2 m
Steph 1	LYR	18 53.5	+36 55	03.8	III 3 p
Berk 80	AQL	18 55.3	+00 37	?	II 1p :b
NGC 6738	AQL	19 01.4	+11 36	08.3	IV 2 p
Berk 81	AQL	19 02.5	+00 30	?	II 2r :b
Berk 42	AQL	19 05.1	+01 53	?	I 3 r :a
Czernik 39	AQL	19 07.6	+04 18	?	III 2m :b
NGC 6755	AQL	19 07.8	+04 16	07.5	IV 2 m
NGC 6756	AQL	19 08.7	+04 42	10.6	I 2 m
Berk 82	AQL	19 11.5	+13 04	?	III 1p :b
Berk 43	AQL	19 15.7	+11 13	?	II 1m:b
Berk 44	SGE	19 17.4	+19 33	?	III 1m:b
Berk 45	AQL	19 19.4	+15 43	?	II 1p :b
NGC 6791	LYR	19 20.7	+37 51	09.5	II 3 r
NGC 6793	VUL	19 23.2	+22 11	?	IV 2 p
King 25	AQL	19 24.8	+13 42	?	III 2m :b

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Cr 399	VUL	19 25.4	+20 11	03.6	III 2 p
Do 35	AQL	19 26.7	+11 36	?	IV 2p :b
NGC 6800	VUL	19 27.1	+25 08	?	III 2 p
Berk 47	SGE	19 29.0	+17 24	?	II 2p :b
King 26	AQL	19 29.4	+14 52	?	II 1p :b
NGC 6802	VUL	19 30.6	+20 16	08.8	III 1 m
Stock 1	VUL	19 35.8	+25 13	05.3	IV 2 p
NGC 6811	CYG	19 38.2	+46 34	06.8	IV 3 p
Cr 401	AQL	19 38.4	+00 20	07.0	IV 2 m
NGC 6819	CYG	19 41.3	+40 11	07.3	I 1 r
NGC 6820	VUL	19 43.1	+23 17	15.0	E
Czemik 40	VUL	19 43.2	+21 11	?	II 2m :b
NGC 6823	VUL	19 43.2	+23 18	07.1	I 3 p n
Roslund 1	SGE	19 45.7	+17 31	?	IV 1p :b
Roslund 2	VUL	19 46.1	+23 56	?	IV 2p :b
NGC 6827	VUL	19 48.9	+21 13	?	
NGC 6830	VUL	19 51.0	+23 06	07.9	II 2 p
Czemik 41	VUL	19 51.4	+25 10	?	III 2m :b
NGC 6834	CYG	19 52.2	+29 24	07.8	II 2 m
Harvard 20	SGE	19 53.1	+18 20	07.7	III 2 p
NGC 6837	AQL	19 53.5	+11 41	?	IV 1p :b
NGC 6846	CYG	19 56.5	+30 21	14.2	IV 1 p
Roslund 3	SGE	19 59.6	+20 29	?	IV 1p :b
Berk 49	CYG	20 00.7	+34 36	?	I 1p :b
Berk 83	VUL	20 02.3	+28 38	?	II 1p :b
Do 36	CYG	20 02.5	+42 06	?	IV 1 p
NGC 6866	CYG	20 03.9	+44 10	07.6	II 2 m
Berk 84	CYG	20 04.8	+33 52	?	II 1pn:b
Roslund 4	VUL	20 04.9	+29 13	10.0	IV 2 p n
DoDz 10	CYG	20 05.7	+40 32	?	IV 1 p n
NGC 6871	CYG	20 05.9	+35 47	05.2	IV 3 p n
Basel 6	CYG	20 06.8	+38 21	07.7	
Biur 1	CYG	20 07.5	+35 41	?	III 2 p n
Do 1	CYG	20 08.2	+36 33	?	IV 2pn:b
Biur 2	CYG	20 09.2	+35 29	06.3	III 2 p
Do 2	CYG	20 10.0	+41 22	?	IV 1pn:b
Roslund 5	CYG	20 10.0	+33 46	?	IV 3 p n
IC 1311	CYG	20 10.3	+41 13	13.1	II 3 r n
Berk 50	CYG	20 10.4	+34 46	?	II 1 p
NGC 6883	CYG	20 11.3	+35 51	08.0	I 3 p n
Ru 172	CYG	20 11.8	+35 38	?	III 2pn:b
NGC 6882	VUL	20 11.7	+26 33	06.0	III 2 p
NGC 6885	VUL	20 11.9	+26 29	08.1	III 2 p
Berk 51	CYG	20 12.1	+34 21	?	I 1pn:b
IC 1310	CYG	20 13.9	+34 59	?	II 1 p n
Berk 52	VUL	20 14.5	+28 58	?	I 1m:b
Do 3	CYG	20 15.7	+36 47	?	III 2 p n
Do 39	CYG	20 16.4	+37 52	?	III 1 m n
IC 4996	CYG	20 16.5	+37 38	07.3	I 3 p n
vdB 130	CYG	20 17.7	+39 19	09.3	
Do 4	CYG	20 18.0	+36 40	?	IV 1pn:b
Cr 419	CYG	20 18.1	+40 43	05.4	IV 2 p
Do 40	CYG	20 18.2	+37 50	?	III 2 p n
Berk 85	CYG	20 19.1	+37 43	?	III 1m:b

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Do 41	CYG	20 19.3	+37 44	?	IV 1 p
Do 42	CYG	20 19.7	+38 08	?	IV 2 p n
Berk 86	CYG	20 20.4	+38 42	07.9	I 3 p n
Do 5	CYG	20 20.8	+39 17	?	III 3mn:b
Do 6	CYG	20 21.0	+41 23	?	IV 2pn:b
Do 43	CYG	20 21.0	+39 57	?	IV 2 p
Berk 87	CYG	20 21.7	+37 22	?	IV 2 p
Berk 88	CYG	20 21.8	+48 05	?	IV 1p :b
NGC 6910	CYG	20 23.2	+40 47	07.4	I 2 p n
Cr 421	CYG	20 23.3	+41 42	10.1	III 1 p n
M 29	CYG	20 23.9	+38 32	06.6	III 3 p n
Do 8	CYG	20 24.8	+42 16	?	I 2pn:b
Berk 89	CYG	20 25.0	+45 59	?	III 1p :b
Do 9	CYG	20 26.0	+41 56	?	IV 2pn:b
Do 10	CYG	20 26.3	+40 07	?	IV 2 p n
Do 11	CYG	20 26.8	+41 27	?	IV 3pn:b
Roslund 6	CYG	20 29.2	+39 23	?	IV 3mn:b
Do 44	CYG	20 29.7	+41 43	?	IV 2 p n
NGC 6939	CEP	20 31.5	+60 40	07.8	I 1 m
NGC 6940	VUL	20 34.4	+28 17	06.3	III 2 m
Berk 90	CYG	20 35.9	+46 48	?	II 1pn:b
Ru 173	CYG	20 41.8	+35 33	?	III 3 p
Do 47	CYG	20 42.2	+36 39	?	III 2p :b
Ru 174	CYG	20 44.2	+37 03	?	IV 1p :b
Ru 175	CYG	20 45.2	+35 30	?	III 2 p
DoDz 11	CYG	20 51.0	+35 57	?	IV 1 p
Roslund 7	CYG	20 53.2	+37 55	?	IV 2p :a
Bark 1	CYG	20 53.7	+46 02	?	III 2 m
NGC 6996	CYG	20 56.5	+45 29	10.0	III 2 p n
Berk 53	CYG	20 56.6	+51 02	?	II 3 p
NGC 6991	CYG	20 56.6	+47 25	?	
NGC 6997	CYG	20 56.8	+44 39	10.0p	
Cr 427	CEP	21 00.4	+68 10	13.8	IV 1pn:b
NGC 7023	CEP	21 00.5	+68 10	07.1	E+*
Berk 54	CYG	21 03.2	+40 28	?	I 2m :b
Cr 428	CYG	21 03.2	+44 35	08.7	III 2 p n
NGC 7031	CYG	21 07.3	+50 50	09.1	IV 1 p
Do 45	CYG	21 09.0	+37 36	?	II 2 p n
Basel 12	CYG	21 10.6	+46 14	?	III 2p :b
NGC 7039	CYG	21 11.2	+45 39	07.6	III 2 p
Berk 91	CYG	21 11.8	+48 28	?	II 1p :b
IC 1369	CYG	21 12.1	+47 44	08.8	I 1 m
Basel 13	CYG	21 12.4	+46 34	?	
NGC 7044	CYG	21 12.9	+42 29	12.0	II 2 R
Basel 15	CYG	21 16.1	+48 51	?	
Berk 55	CYG	21 16.9	+51 47	?	III 1m:b
Berk 56	CYG	21 17.9	+41 54	?	II 1m:b
Basel 14	CYG	21 21.5	+44 49	?	II 3pn:b
NGC 7062	CYG	21 23.5	+46 23	08.3	III 1 p
NGC 7067	CYG	21 24.2	+48 01	09.7	II 2 p
NGC 7063	CYG	21 24.4	+36 30	07.0	III 2 p
Berk 92	CEP	21 25.5	+57 30	?	III 1p :b
NGC 7082	CYG	21 29.4	+47 05	07.2	IV 2 p
NGC 7086	CYG	21 30.5	+51 36	08.4	II 2 m

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M 39	CYG	21 32.2	+48 26	04.6	III 2 p
Tr 37	CEP	21 39.0	+57 30	05.1	II 3 m
IC 1396	CEP	21 39.1	+57 30	03.5	II 3 m n
NGC 7129	CEP	21 43.0	+66 07	11.5	IV 2 p n:b
NGC 7127	CYG	21 43.9	+54 37	?	IV 2 p
NGC 7128	CYG	21 44.0	+53 43	09.7	II 3 m
Bark 2	CYG	21 45.0	+51 13	?	III 1p :b
NGC 7142	CEP	21 45.2	+65 46	09.3	II 2 r
IC 5146	CYG	21 53.4	+47 16	10.0	IV 2 p n
NGC 7160	CEP	21 53.7	+62 36	06.1	II 3 p
Berk 93	CEP	21 57.1	+63 56	?	IV 1p :b
NGC 7209	LAC	22 05.1	+46 29	07.7	III 1 p
Cr 471	CEP	22 07.0	+72 00	?	III 2 p
IC 1434	LAC	22 10.5	+52 50	09.0	II 1 p?
NGC 7226	CEP	22 10.5	+55 25	09.6	I 1 p
NGC 7235	CEP	22 12.6	+57 17	07.7	III 2 p
vdB 150	CEP	22 12.9	+73 20	?	III 3pn:b
vdB 152	CEP	22 13.6	+70 18	?	R
NGC 7243	LAC	22 15.1	+49 54	06.4	IV 2 p
NGC 7245	LAC	22 15.3	+54 20	09.2	II 1 p
King 9	LAC	22 15.7	+54 24	?	I 1m:b
IC 1442	LAC	22 16.5	+54 03	09.1	II 2 m
NGC 7261	CEP	22 20.4	+58 05	08.4	III 1 p
Berk 94	CEP	22 22.7	+55 51	08.7	I 1 p n
NGC 7281	CEP	22 24.7	+57 50	?	IV 2 p
NGC 7296	LAC	22 28.2	+52 17	09.7	III 2 p
Berk 95	CEP	22 28.7	+59 07	?	II 2p :b
Berk 96	LAC	22 29.8	+55 25	?	I 2p :b
Berk 97	CEP	22 39.5	+59 01	?	III 1 p
Czernik 42	CEP	22 40.4	+59 53	?	III 1p :b
Berk 98	LAC	22 43.8	+52 25	?	III 2m :b
NGC 7380	CEP	22 47.3	+58 08	07.2	III 3 p n
King 18	CEP	22 52.9	+58 17	?	II 2p :b
NGC 7419	CEP	22 54.3	+60 50	13.0	II 3 r
King 10	CEP	22 54.9	+59 10	?	II 3 m
NGC 7423	CEP	22 55.3	+57 08	15.0p	
NGC 7429	CEP	22 55.9	+59 59	?	III 2 p
King 19	CEP	23 08.3	+60 31	09.2	II 2 m
NGC 7510	CEP	23 11.5	+60 34	07.9	II 2 m n
Mrk 50	CEP	23 15.3	+60 28	08.5	I 2 p n
Berk 99	CEP	23 21.9	+71 46	?	III 2r :b
Do 46	CAS	23 21.9	+55 46	?	IV 1 p
M 52	CAS	23 24.2	+61 35	06.9	I 2 r
Czernik 43	CAS	23 25.8	+61 19	?	III 1 r
Berk 100	CEP	23 27.0	+63 45	?	IV 2p :b
NGC 7686	AND	23 30.1	+49 08	05.6	IV 1 p
Stock 11	CAS	23 32.9	+55 29	?	IV 2 p
King 20	CAS	23 33.8	+58 31	?	II 2p :b
Berk 101	CEP	23 34.0	+64 13	?	III 2p :b
Czernik 44	CAS	23 34.0	+61 55	?	II 2p :b
Stock 12	CAS	23 37.2	+52 26	?	IV 2 p
Av-Hunter 1	AND	23 37.8	+48 25	?	IV 2pn:b
Berk 102	CAS	23 39.3	+56 39	?	II 1p :a
Berk 103	CAS	23 45.9	+59 19	?	II 1p :b

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Stock 17	CAS	23 46.7	+62 11	?	I 3p :a
King 11	CEP	23 48.5	+68 38	?	I 2m :b
NGC 7762	CEP	23 49.8	+68 02	10.0	II 2 p
King 21	CAS	23 49.9	+62 43	09.8	III 3 m
NGC 7772	PEG	23 51.8	+16 15	?	III 1 p
King 12	CAS	23 53.0	+61 58	10.0	I 2 p
Harvard 21	CAS	23 54.1	+61 46	09.0	IV 2 p
NGC 7788	CAS	23 56.7	+61 24	09.4	I 2 p
Czernik 45	CAS	23 57.2	+64 33	?	II 2p :b
Frolov 1	CAS	23 57.4	+61 38	09.2	
NGC 7789	CAS	23 57.4	+56 43	06.7	II 1 r
NGC 7790	CAS	23 58.4	+61 13	08.5	III 2 p

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