

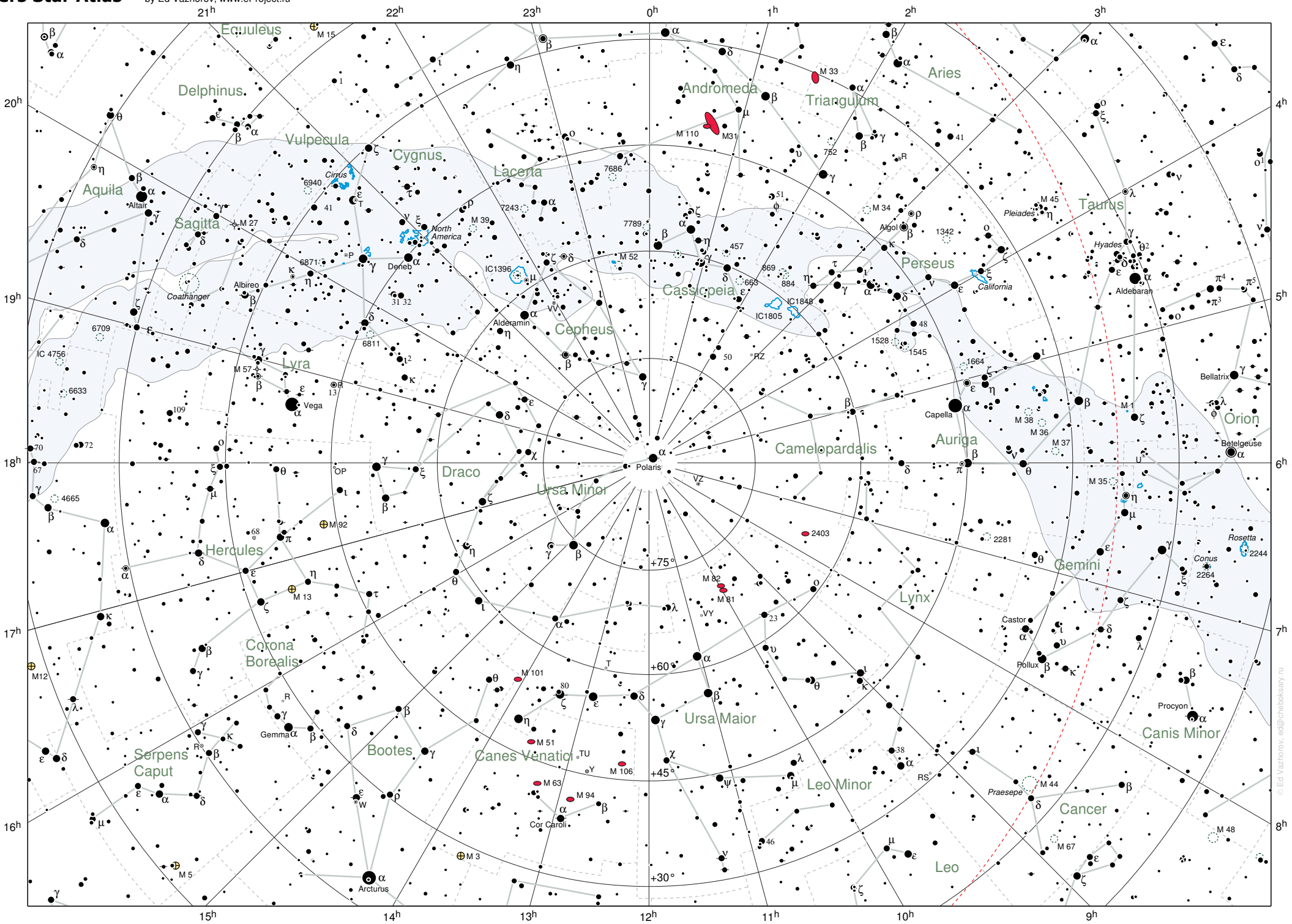
# Beginners Star Atlas

by Ed Vazhorov, [www.eProject.ru](http://www.eProject.ru)

1

- Constellation boundaries
- Constellation figures
- Ecliptic
- Planetary nebulas
- Diffuse nebulas
- Galaxies
- Open clusters
- Globular clusters
- Double or multiple stars
- Variable stars

- Stars
- 0 m
- 1 m
- 2 m
- 3 m
- 4 m
- 5 m
- 6 m

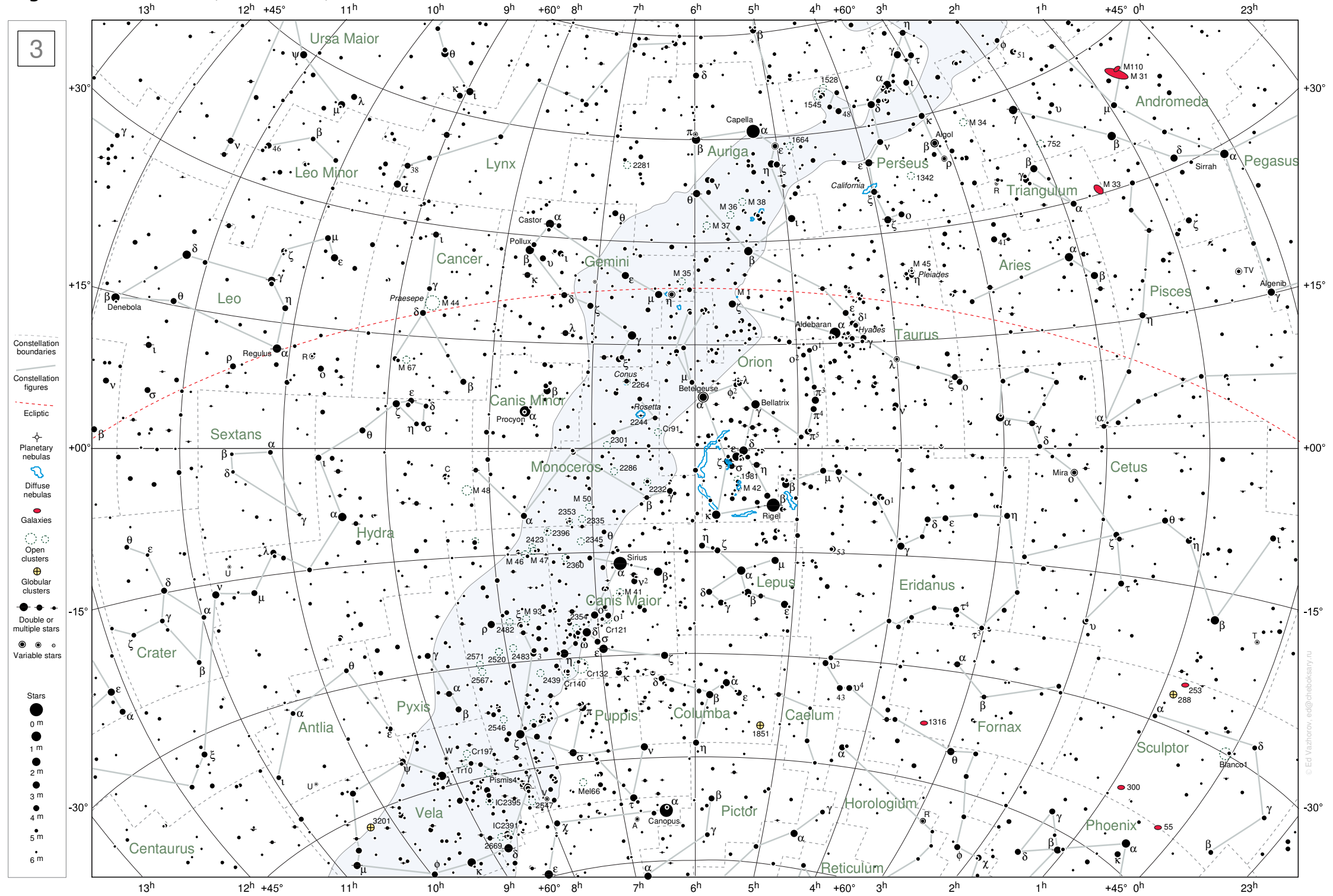




# Beginners Star Atlas

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3



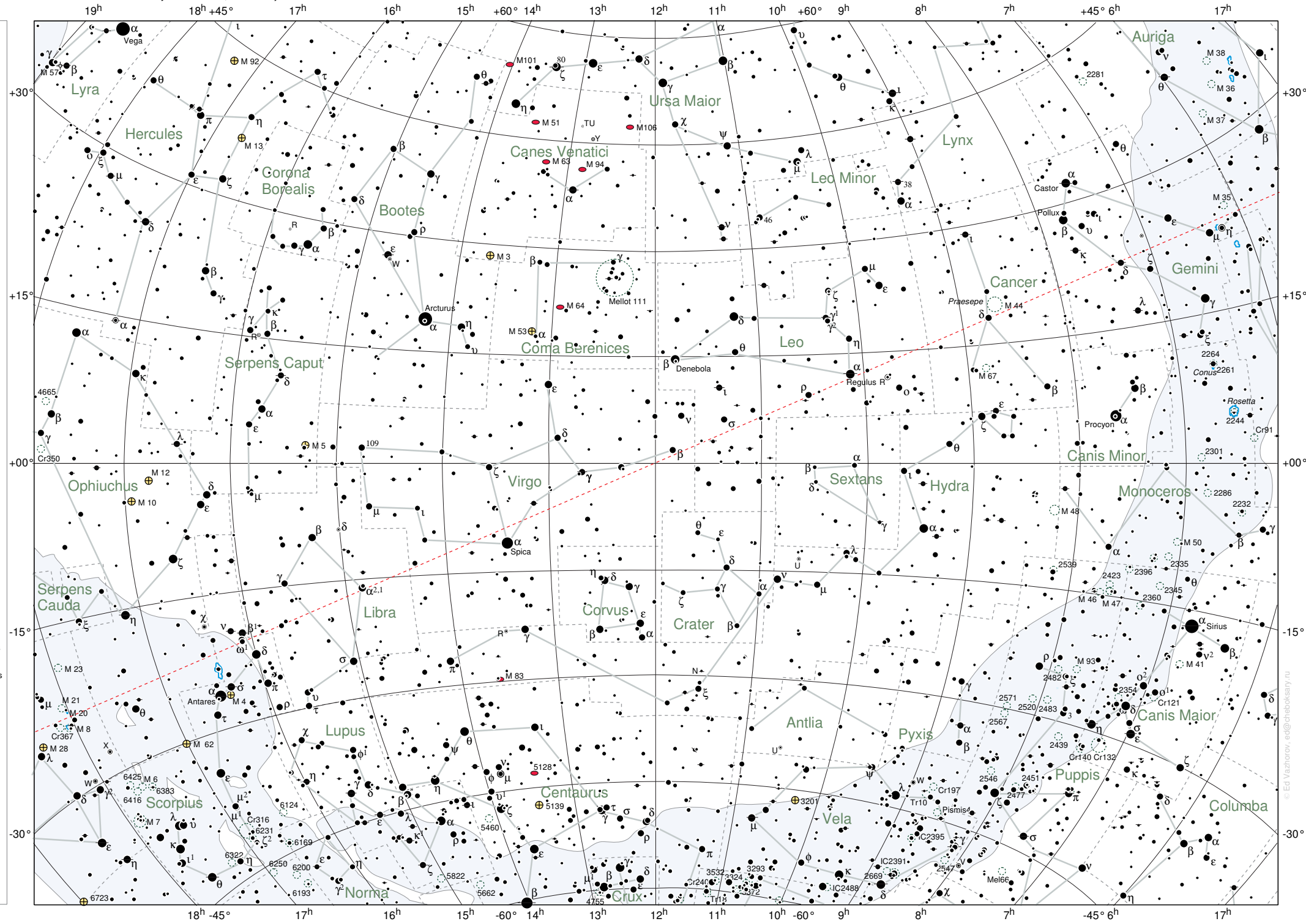


# Beginners Star Atlas

by Ed Vazhorov, www.eProject.ru

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- Constellation boundaries
- Constellation figures
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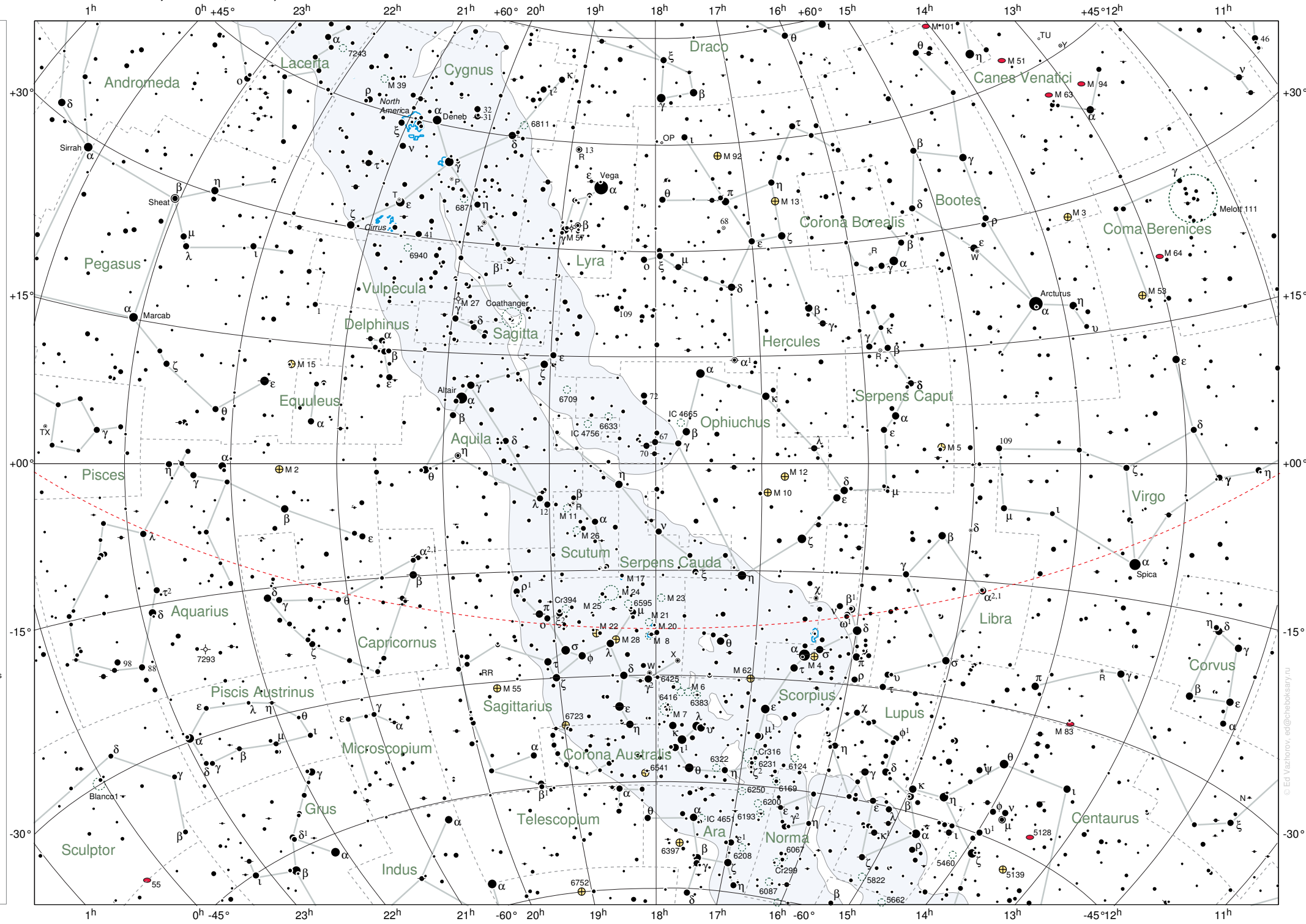


# Beginners Star Atlas

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- Constellation boundaries
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- Stars
  - 0 m
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  - 2 m
  - 3 m
  - 4 m
  - 5 m
  - 6 m

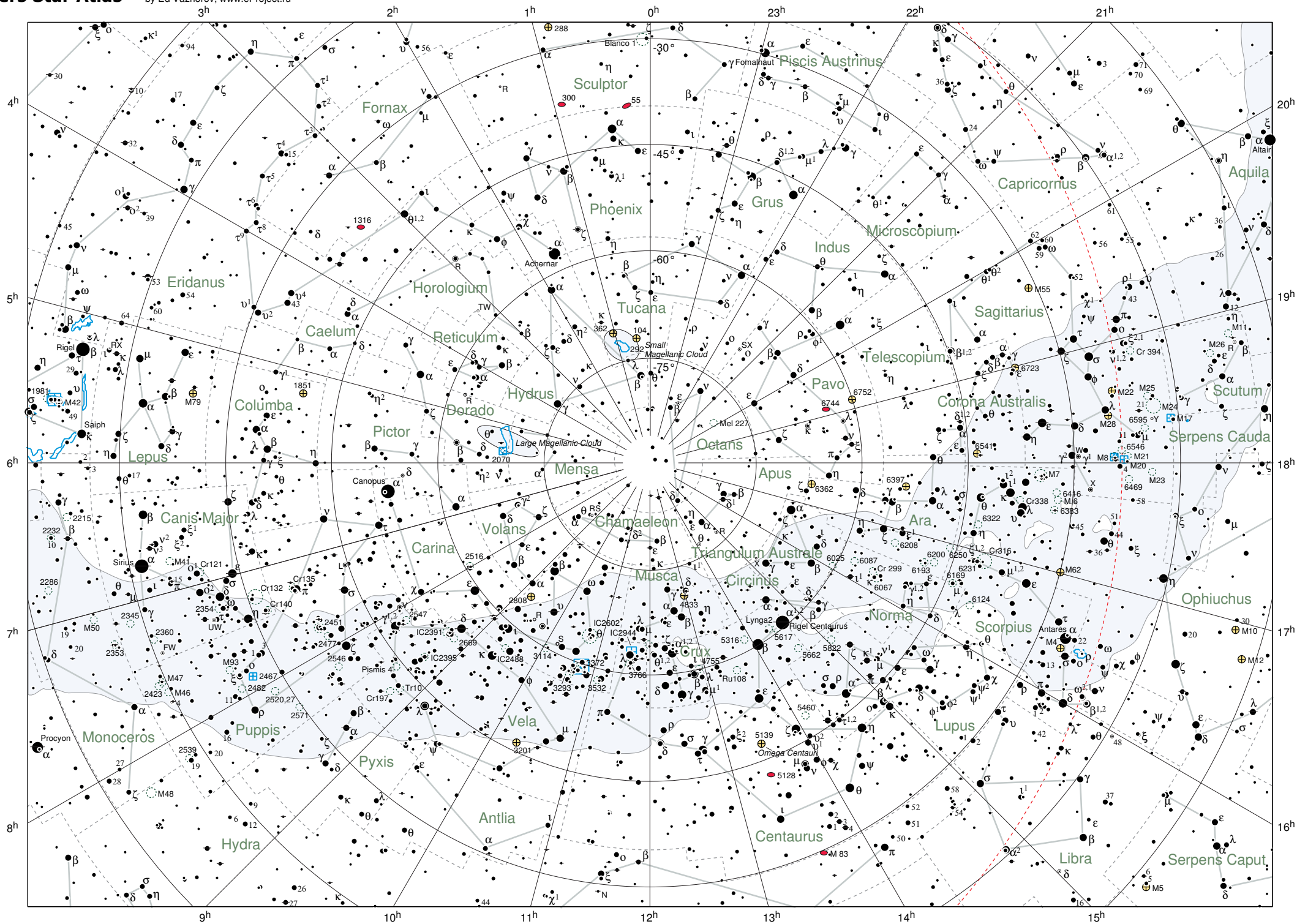




# Beginners Star Atlas

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- Constellation boundaries
- Constellation figures
- Ecliptic
- Planetary nebulas
- Diffuse nebulas
- Galaxies
- Open clusters
- Globular clusters
- Double or multiple stars
- Variable stars
- Stars
  - 0 m
  - 1 m
  - 2 m
  - 3 m
  - 4 m
  - 5 m
  - 6 m

Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.
NGC129	0h30m00s	+60°13'	OC*	CAS**	21.0'x21.0'	6.50 <sup>m</sup>	12.85 <sup>m</sup>
M110	0h40m24s	+41°41'	Gx	AND	19.5'x11.5'	8.10	14.00
M31	0h42m42s	+41°16'	Gx	AND	189.1'x61.7'	3.40	13.50
NGC225	0h43m36s	+61°46'	OC	CAS	12.0'x12.0'	7.00	12.14
NGC188	0h47m30s	+85°13'	OC	CEP	14.0'x14.0'	8.10	13.57
NGC869	2h19m06s	+57°08'	OC	PER	30.0'x30.0'	5.30	12.43
NGC884	2h22m30s	+57°09'	OC	PER	30.0'x30.0'	6.10	13.23
Mel15	2h32m36s	+61°27'	OC	CAS	21.0'x21.0'	6.60	12.95
IC1805	2h32m42s	+61°27'	C+N	CAS	60.0'x60.0'	6.50	15.13
NGC957	2h33m18s	+57°34'	OC	PER	11.0'x11.0'	7.60	12.55
M34	2h42m06s	+42°47'	OC	PER	35.0'x35.0'	5.20	12.66
IC1848	2h51m24s	+60°25'	C+N	CAS	40.0'x10.0'	6.50	12.75
NGC1245	3h14m42s	+47°14'	OC	PER	10.0'x10.0'	8.40	13.14
Mel20	3h22m00s	+49°00'	OC	PER	185.0'x185.0'	1.20	12.28
NGC1342	3h31m42s	+37°21'	OC	PER	14.0'x14.0'	6.70	12.17
IC348	3h44m36s	+32°10'	C+N	PER	10.0'x10.0'	7.30	12.04
NGC1499	4h03m12s	+36°21'	Nb	PER	160.0'x40.0'	5.00	4.26
NGC1528	4h15m18s	+51°13'	OC	PER	24.0'x24.0'	6.40	13.04
NGC1545	4h20m54s	+50°15'	OC	PER	18.0'x18.0'	6.20	12.22
NGC1582	4h31m48s	+43°47'	OC	PER	37.0'x37.0'	7.00	14.58
NGC1664	4h51m06s	+43°41'	OC	AUR	18.0'x18.0'	7.60	13.62
IC410	5h22m42s	+33°25'	Nb	AUR	11.0'x11.0'	7.50	12.45
NGC1893	5h22m42s	+33°25'	OC	AUR	11.0'x11.0'	7.50	12.45
M38	5h28m42s	+35°50'	OC	AUR	21.0'x21.0'	6.40	12.00
M36	5h36m18s	+34°08'	OC	AUR	12.0'x12.0'	6.00	12.00
M37	5h52m18s	+32°33'	OC	AUR	24.0'x24.0'	5.60	11.00
NGC2281	6h48m18s	+41°05'	OC	AUR	15.0'x15.0'	5.40	11.02
NGC2403	7h36m48s	+65°35'	Gx	CAM	23.4'x11.8'	8.50	14.40
M81	9h55m36s	+69°04'	Gx	UMA	24.9'x11.5'	6.90	13.20
M82	9h55m54s	+69°41'	Gx	UMA	10.5'x5.1'	8.40	12.50
M106	12h19m00s	+47°18'	Gx	CVN	17.4'x6.6'	8.40	13.60
M94	12h50m54s	+41°06'	Gx	CVN	12.3'x10.8'	8.20	13.10
M63	13h15m48s	+42°02'	Gx	CVN	12.6'x7.5'	8.60	13.30
M51	13h29m54s	+47°12'	Gx	CVN	10.8'x6.6'	8.40	12.90
M3	13h42m12s	+28°23'	Gb	CVN	18.6'x18.6'	6.40	11.00
M101	14h03m12s	+54°20'	Gx	UMA	28.5'x28.3'	7.90	14.90
M13	16h41m42s	+36°28'	Gb	HER	23.2'x23.2'	5.90	12.00
M92	17h17m06s	+43°08'	Gb	HER	11.2'x11.2'	6.50	11.00
NGC6811	19h38m12s	+46°34'	OC	CYG	13.0'x13.0'	6.80	12.11
NGC457	1h19m30s	+58°17'	OC	CAS	13.0'x13.0'	6.40	11.71
M33	1h33m54s	+30°39'	Gx	TRI	68.7'x41.6'	5.70	14.20
NGC663	1h46m00s	+61°15'	OC	CAS	16.0'x16.0'	7.10	12.86
Cr463	1h48m24s	+71°56'	OC	CAS	36.0'x36.0'	5.70	13.22
NGC752	1h57m42s	+37°40'	OC	AND	50.0'x50.0'	5.70	13.93
NGC6871	20h05m54s	+35°47'	OC	CYG	20.0'x20.0'	5.20	11.45

NGC6940	20h34m24s	+28°17'	OC	VUL	31.0'x31.0'	6.30	13.50
NGC6960	20h45m42s	+30°43'	Nb	CYG	210.0'x160.0'	7.00	18.06
IC5070	20h50m48s	+44°20'	Nb	CYG	60.0'x50.0'	8.00	16.43
NGC6992	20h56m24s	+31°43'	Nb	CYG	60.0'x8.0'	7.00	13.44
NGC6995	20h57m06s	+31°13'	Nb	CYG	12.0'x12.0'	7.00	12.14
NGC7000	21h01m48s	+44°12'	Nb	CYG	120.0'x30.0'	4.00	12.63
M39	21h32m12s	+48°26'	OC	CYG	32.0'x32.0'	4.60	11.00
IC1396	21h39m06s	+57°30'	C+N	CEP	89.0'x89.0'	3.50	12.99
NGC7243	22h15m06s	+49°54'	OC	LAC	21.0'x21.0'	6.40	12.75
M52	23h24m12s	+61°35'	OC	CAS	13.0'x13.0'	6.90	12.00
NGC7686	23h30m06s	+49°08'	OC	AND	15.0'x15.0'	5.60	11.22
NGC7789	23h57m24s	+56°43'	OC	CAS	16.0'x16.0'	6.70	12.46

\* "OC" – Open Cluster, "Gb" – Globular Cluster, "Gx" – Galaxy, "C+N" – Cluster with Nebula, "Nb" – Nebula, "PI" – Planetary Nebula

**\*\* Constellation abbreviations**

AND	Andromeda	CYG	Cygnus	PAV	Pavo
ANT	Antlia	DEL	Delphinus	PEG	Pegasus
APS	Apus	DOR	Dorado	PER	Perseus
AQR	Aquarius	DRA	Draco	PHE	Phoenix
AQL	Aquila	EQU	Equuleus	PIC	Pictor
ARA	Ara	ERI	Eridanus	PSC	Pisces
ARI	Aries	FOR	Fornax	PSA	Piscis Austrinus
AUR	Auriga	GEM	Gemini	PUP	Puppis
BOO	Boötes	GRU	Grus	PYX	Pyxis
CAE	Caelum	HER	Hercules	RET	Reticulum
CAM	Camelopardalis	HOR	Horologium	SGE	Sagitta
CNC	Cancer	HYA	Hydra	SGR	Sagittarius
CVN	Canes Venatici	HYI	Hydrus	SCO	Scorpius
CMA	Canis Major	IND	Indus	SCL	Sculptor
CMI	Canis Minor	LAC	Lacerta	SCT	Scutum
CAP	Capricornus	LEO	Leo	SER	Serpens
CAR	Carina	LMI	Leo Minor	SEX	Sextans
CAS	Cassiopeia	LEP	Lepus	TAU	Taurus
CEN	Centaurus	LIB	Libra	TEL	Telescopium
CEP	Cepheus	LUP	Lupus	TRI	Triangulum
CET	Cetus	LYN	Lynx	TRA	Triangulum Australe
CHA	Chamaeleon	LYR	Lyra	TUC	Tucana
CIR	Circinus	MEN	Mensa	UMA	Ursa Major
COL	Columba	MIC	Microscopium	UMI	Ursa Minor
COM	Coma Berenices	MON	Monoceros	VEL	Vela
CRA	Corona Austrina	MUS	Musca	VIR	Virgo
CRB	Corona Borealis	NOR	Norma	VOL	Volans
CRV	Corvus	OCT	Octans	VUL	Vulpecula
CRT	Crater	OPH	Ophiuchus		
CRU	Crux	ORI	Orion		

Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.
NGC6595	18h17m06s	-19°52'	OC	SGR	11.0'x11.0'	7.00 <sup>m</sup>	11.95 <sup>m</sup>
M17	18h20m48s	-16°11'	C+N	SGR	11.0'x11.0'	6.00	13.00
M28	18h24m30s	-24°52'	Gb	SGR	15.0'x15.0'	6.90	11.00
M24	18h26m36s	-18°23'	OC	SGR	95.0'x35.0'	3.10	4.30
NGC6633	18h27m18s	+06°31'	OC	OPH	27.0'x27.0'	4.60	11.50
M25	18h31m48s	-19°07'	OC	SGR	29.0'x29.0'	4.60	12.00
M22	18h36m24s	-23°54'	Gb	SGR	24.0'x24.0'	5.10	11.00
IC4756	18h39m00s	+05°27'	OC	SER	39.0'x39.0'	4.60	12.30
M26	18h45m12s	-09°24'	OC	SCT	15.0'x15.0'	8.00	12.00
M11	18h51m06s	-06°16'	OC	SCT	14.0'x14.0'	5.80	9.00
NGC6709	18h51m30s	+10°21'	OC	AQL	13.0'x13.0'	6.70	12.01
Cr394	18h53m30s	-20°23'	OC	SGR	22.0'x22.0'	6.30	12.75
NGC6723	18h59m36s	-36°38'	Gb	SGR	11.0'x11.0'	7.30	12.25
NGC6738	19h01m24s	+11°36'	OC	AQL	15.0'x15.0'	8.30	13.92
NGC6755	19h07m48s	+04°16'	OC	AQL	15.0'x15.0'	7.50	13.12
Cr399	19h25m24s	+20°11'	OC	VUL	140.0'x50.0'	3.60	12.95
NGC6811	19h38m12s	+46°34'	OC	CYG	13.0'x13.0'	6.80	12.11
M55	19h40m00s	-30°58'	Gb	SGR	19.0'x19.0'	7.00	13.00
NGC6871	20h05m54s	+35°47'	OC	CYG	20.0'x20.0'	5.20	11.45
NGC6940	20h34m24s	+28°17'	OC	VUL	31.0'x31.0'	6.30	13.50
NGC6960	20h45m42s	+30°43'	Nb	CYG	210.0'x160.0'	7.00	18.06
IC5070	20h50m48s	+44°20'	Nb	CYG	60.0'x50.0'	8.00	16.43
NGC6992	20h56m24s	+31°43'	Nb	CYG	60.0'x8.0'	7.00	13.44
NGC6995	20h57m06s	+31°13'	Nb	CYG	12.0'x12.0'	7.00	12.14
NGC7000	21h01m48s	+44°12'	Nb	CYG	120.0'x30.0'	4.00	12.63
M15	21h30m00s	+12°10'	Gb	PEG	12.3'x12.3'	6.40	11.00
M39	21h32m12s	+48°26'	OC	CYG	32.0'x32.0'	4.60	11.00
M2	21h33m30s	-00°49'	Gb	AQR	11.7'x11.7'	6.50	11.00
IC1396	21h39m06s	+57°30'	C+N	CEP	89.0'x89.0'	3.50	12.99
NGC7243	22h15m06s	+49°54'	OC	LAC	21.0'x21.0'	6.40	12.75
NGC7293	22h29m36s	-20°50'	PI	AQR	16.0'x12.0'	6.30	13.60
M52	23h24m12s	+61°35'	OC	CAS	13.0'x13.0'	6.90	12.00
NGC7686	23h30m06s	+49°08'	OC	AND	15.0'x15.0'	5.60	11.22
NGC7789	23h57m24s	+56°43'	OC	CAS	16.0'x16.0'	6.70	12.46
Blanco1	0h04m18s	-29°56'	OC	SCL	90.0'x90.0'	4.50	14.01
NGC55	0h14m54s	-39°11'	Gx	SCL	31.2'x5.9'	7.90	13.40
NGC129	0h30m00s	+60°13'	OC	CAS	21.0'x21.0'	6.50	12.85
M110	0h40m24s	+41°41'	Gx	AND	19.5'x11.5'	8.10	14.00
M31	0h42m42s	+41°16'	Gx	AND	189.1'x61.7'	3.40	13.50
NGC253	0h47m36s	-25°18'	Gx	SCL	26.4'x6.0'	7.20	12.70
NGC288	0h52m48s	-26°35'	Gb	SCL	13.8'x13.8'	8.10	13.54
NGC300	0h54m54s	-37°41'	Gx	SCL	19.3'x13.3'	8.10	14.30
NGC457	1h19m30s	+58°17'	OC	CAS	13.0'x13.0'	6.40	11.71
M33	1h33m54s	+30°39'	Gx	TRI	68.7'x41.6'	5.70	14.20
NGC752	1h57m42s	+37°40'	OC	AND	50.0'x50.0'	5.70	13.93

NGC869	2h19m06s	+57°08'	OC	PER	30.0'x30.0'	5.30	12.43
NGC884	2h22m30s	+57°09'	OC	PER	30.0'x30.0'	6.10	13.23
M34	2h42m06s	+42°47'	OC	PER	35.0'x35.0'	5.20	12.66
NGC1342	3h31m42s	+37°21'	OC	PER	14.0'x14.0'	6.70	12.17
M45	3h47m00s	+24°07'	C+N	TAU	100.0'x100.0'	1.20	11.00
NGC1499	4h03m12s	+36°21'	Nb	PER	160.0'x40.0'	5.00	14.26
NGC1528	4h15m18s	+51°13'	OC	PER	24.0'x24.0'	6.40	13.04
NGC1545	4h20m54s	+50°15'	OC	PER	18.0'x18.0'	6.20	12.22
Mel25	4h27m00s	+16°00'	OC	TAU	330.0'x330.0'	0.50	12.83
NGC1582	4h31m48s	+43°47'	OC	PER	37.0'x37.0'	7.00	14.58
NGC1664	4h51m06s	+43°41'	OC	AUR	18.0'x18.0'	7.60	13.62
NGC1851	5h14m06s	-40°03'	Gb	COL	11.0'x11.0'	7.30	12.25
IC410	5h22m42s	+33°25'	Nb	AUR	11.0'x11.0'	7.50	12.45
M38	5h28m42s	+35°50'	OC	AUR	21.0'x21.0'	6.40	12.00
NGC1981	5h35m12s	-04°26'	OC	ORI	25.0'x25.0'	4.20	10.93
M42	5h35m18s	-05°23'	C+N	ORI	90.0'x60.0'	4.00	11.00
M43	5h35m30s	-05°16'	Nb	ORI	20.0'x15.0'	9.00	13.00
M36	5h36m18s	+34°08'	OC	AUR	12.0'x12.0'	6.00	12.00
M37	5h52m18s	+32°33'	OC	AUR	24.0'x24.0'	5.60	11.00
M35	6h08m12s	+24°22'	OC	GEM	28.0'x28.0'	5.10	12.00



Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.
NGC55	0h14m54s	-39°11'	Gx	SCL	31.2'x5.9'	7.90 <sup>m</sup>	13.40 <sup>m</sup>
M110	0h40m24s	+41°41'	Gx	AND	19.5'x11.5'	8.10	14.00
M31	0h42m42s	+41°16'	Gx	AND	189.1'x61.7'	3.40	13.50
NGC253	0h47m36s	-25°18'	Gx	SCL	26.4'x6.0'	7.20	12.70
NGC288	0h52m48s	-26°35'	Gb	SCL	13.8'x13.8'	8.10	13.54
NGC300	0h54m54s	-37°41'	Gx	SCL	19.3'x13.3'	8.10	14.30
M33	1h33m54s	+30°39'	Gx	TRI	68.7'x41.6'	5.70	14.20
NGC752	1h57m42s	+37°40'	OC	AND	50.0'x50.0'	5.70	13.93
M34	2h42m06s	+42°47'	OC	PER	35.0'x35.0'	5.20	12.66
NGC1316	3h22m42s	-37°13'	Gx	FOR	11.2'x7.7'	8.50	13.40
NGC1342	3h31m42s	+37°21'	OC	PER	14.0'x14.0'	6.70	12.17
M45	3h47m00s	+24°07'	C+N	TAU	100.0'x100.0'	1.20	11.00
NGC1499	4h03m12s	+36°21'	Nb	PER	160.0'x40.0'	5.00	14.26
NGC1528	4h15m18s	+51°13'	OC	PER	24.0'x24.0'	6.40	13.04
NGC1545	4h20m54s	+50°15'	OC	PER	18.0'x18.0'	6.20	12.22
Mel25	4h27m00s	+16°00'	OC	TAU	330.0'x330.0'	0.50	12.83
NGC1582	4h31m48s	+43°47'	OC	PER	37.0'x37.0'	7.00	14.58
NGC1664	4h51m06s	+43°41'	OC	AUR	18.0'x18.0'	7.60	13.62
IC410	5h22m42s	+33°25'	Nb	AUR	11.0'x11.0'	7.50	12.45
NGC1893	5h22m42s	+33°25'	OC	AUR	11.0'x11.0'	7.50	12.45
M38	5h28m42s	+35°50'	OC	AUR	21.0'x21.0'	6.40	12.00
NGC1981	5h35m12s	-04°26'	OC	ORI	25.0'x25.0'	4.20	10.93
M42	5h35m18s	-05°23'	C+N	ORI	90.0'x60.0'	4.00	11.00
M43	5h35m30s	-05°16'	Nb	ORI	20.0'x15.0'	9.00	13.00
M36	5h36m18s	+34°08'	OC	AUR	12.0'x12.0'	6.00	12.00
M37	5h52m18s	+32°33'	OC	AUR	24.0'x24.0'	5.60	11.00
M35	6h08m12s	+24°22'	OC	GEM	28.0'x28.0'	5.10	12.00
NGC2204	6h15m30s	-18°40'	OC	CMA	13.0'x13.0'	8.60	13.91
Cr91	6h21m42s	+02°22'	OC	MON	17.0'x17.0'	6.40	12.29
NGC2232	6h28m00s	-04°51'	OC	MON	30.0'x30.0'	3.90	11.03
NGC2237	6h30m54s	+05°03'	C+N	MON	80.0'x60.0'	5.50	14.44
NGC2244	6h31m54s	+04°57'	C+N	MON	24.0'x24.0'	4.80	11.44
NGC2264	6h41m00s	+09°54'	C+N	MON	20.0'x20.0'	3.90	10.15
M41	6h46m00s	-20°45'	OC	CMA	38.0'x38.0'	4.50	12.00
NGC2286	6h47m42s	-03°09'	OC	MON	15.0'x15.0'	7.50	13.12
NGC2281	6h48m18s	+41°05'	OC	AUR	15.0'x15.0'	5.40	11.02
NGC2301	6h51m48s	+00°28'	OC	MON	12.0'x12.0'	6.00	11.14
Cr121	6h54m12s	-24°38'	OC	CMA	50.0'x50.0'	2.60	10.83
M50	7h02m30s	-08°23'	OC	MON	16.0'x16.0'	5.90	12.00
NGC2335	7h06m48s	-10°02'	OC	MON	12.0'x12.0'	7.20	12.34
NGC2345	7h08m18s	-13°12'	OC	CMA	12.0'x12.0'	7.70	12.84
NGC2354	7h14m18s	-25°42'	OC	CMA	20.0'x20.0'	6.50	12.75
Cr132	7h14m24s	-31°10'	OC	CMA	95.0'x95.0'	3.60	13.23
NGC2353	7h14m30s	-10°16'	OC	MON	20.0'x20.0'	7.10	13.35
Cr135	7h17m00s	-36°50'	OC	PUP	50.0'x50.0'	2.10	10.33

NGC2360	7h17m42s	-15°38'	OC	CMA	13.0'x13.0'	7.20	12.51
Cr140	7h23m54s	-32°12'	OC	CMA	42.0'x42.0'	3.50	11.36
Mel66	7h26m18s	-47°44'	OC	PUP	10.0'x10.0'	7.80	12.54
M47	7h36m36s	-14°29'	OC	PUP	30.0'x30.0'	4.40	11.00
NGC2478	7h36m36s	-14°29'	OC	PUP	30.0'x30.0'	4.40	11.53
NGC2423	7h37m06s	-13°52'	OC	PUP	19.0'x19.0'	6.70	12.83
NGC2439	7h40m48s	-31°42'	OC	PUP	10.0'x10.0'	6.90	11.64
M46	7h41m48s	-14°49'	OC	PUP	27.0'x27.0'	6.10	13.00
M93	7h44m30s	-23°51'	OC	PUP	22.0'x22.0'	6.20	12.00
NGC2482	7h55m12s	-24°15'	OC	PUP	12.0'x12.0'	7.30	12.44
NGC2483	7h55m36s	-27°53'	OC	PUP	10.0'x10.0'	7.60	12.34
NGC2520	8h05m00s	-28°09'	OC	PUP	22.0'x22.0'	6.50	12.95
NGC2547	8h10m12s	-49°12'	OC	VEL	20.0'x20.0'	4.70	10.95
M48	8h13m42s	-05°45'	OC	HYA	54.0'x54.0'	5.80	13.00
NGC2567	8h18m30s	-30°39'	OC	PUP	10.0'x10.0'	7.40	12.14
NGC2571	8h18m54s	-29°45'	OC	PUP	13.0'x13.0'	7.00	12.31
Pismis4	8h34m30s	-44°16'	OC	VEL	18.0'x18.0'	5.90	11.92
IC2391	8h39m36s	-52°55'	OC	VEL	60.0'x60.0'	2.50	11.13
M44	8h40m00s	+19°40'	OC	CNC	95.0'x95.0'	3.10	13.00
IC2395	8h42m30s	-48°08'	OC	VEL	17.0'x17.0'	4.60	10.49
Cr197	8h44m42s	-41°21'	OC	VEL	17.0'x17.0'	6.70	12.59
NGC2669	8h46m24s	-52°57'	OC	VEL	20.0'x20.0'	6.10	12.35
Tr10	8h47m48s	-42°29'	OC	VEL	15.0'x15.0'	4.60	10.22
M67	8h50m48s	+11°49'	OC	CNC	30.0'x30.0'	6.90	13.00
NGC2925	9h33m12s	-53°24'	OC	VEL	12.0'x12.0'	8.30	13.44
NGC3201	10h17m36s	-46°25'	Gb	VEL	18.2'x18.2'	6.80	12.84

Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.
M35	6h08m12s	+24°22'	OC	GEM	28.0'x28.0'	5.10 <sup>m</sup>	12.00 <sup>m</sup>
NGC2204	6h15m30s	-18°40'	OC	CMA	13.0'x13.0'	8.60	13.91
Cr91	6h21m42s	+02°22'	OC	MON	17.0'x17.0'	6.40	12.29
NGC2232	6h28m00s	-04°51'	OC	MON	30.0'x30.0'	3.90	11.03
NGC2244	6h31m54s	+04°57'	C+N	MON	24.0'x24.0'	4.80	11.44
NGC2264	6h41m00s	+09°54'	C+N	MON	20.0'x20.0'	3.90	10.15
M41	6h46m00s	-20°45'	OC	CMA	38.0'x38.0'	4.50	12.00
NGC2286	6h47m42s	-03°09'	OC	MON	15.0'x15.0'	7.50	13.12
NGC2281	6h48m18s	+41°05'	OC	AUR	15.0'x15.0'	5.40	11.02
NGC2301	6h51m48s	+00°28'	OC	MON	12.0'x12.0'	6.00	11.14
Cr121	6h54m12s	-24°38'	OC	CMA	50.0'x50.0'	2.60	10.83
M50	7h02m30s	-08°23'	OC	MON	16.0'x16.0'	5.90	12.00
NGC2335	7h06m48s	-10°02'	OC	MON	12.0'x12.0'	7.20	12.34
NGC2345	7h08m18s	-13°12'	OC	CMA	12.0'x12.0'	7.70	12.84
NGC2354	7h14m18s	-25°42'	OC	CMA	20.0'x20.0'	6.50	12.75
Cr132	7h14m24s	-31°10'	OC	CMA	95.0'x95.0'	3.60	13.23
NGC2360	7h17m42s	-15°38'	OC	CMA	13.0'x13.0'	7.20	12.51
Cr140	7h23m54s	-32°12'	OC	CMA	42.0'x42.0'	3.50	11.36
Mel66	7h26m18s	-47°44'	OC	PUP	10.0'x10.0'	7.80	12.54
M47	7h36m36s	-14°29'	OC	PUP	30.0'x30.0'	4.40	11.00
NGC2478	7h36m36s	-14°29'	OC	PUP	30.0'x30.0'	4.40	11.53
NGC2423	7h37m06s	-13°52'	OC	PUP	19.0'x19.0'	6.70	12.83
NGC2439	7h40m48s	-31°42'	OC	PUP	10.0'x10.0'	6.90	11.64
M46	7h41m48s	-14°49'	OC	PUP	27.0'x27.0'	6.10	13.00
M93	7h44m30s	-23°51'	OC	PUP	22.0'x22.0'	6.20	12.00
NGC2451	7h45m18s	-37°58'	OC	PUP	50.0'x50.0'	2.80	11.03
NGC2477	7h52m12s	-38°32'	OC	PUP	27.0'x27.0'	5.80	12.70
NGC2482	7h55m12s	-24°15'	OC	PUP	12.0'x12.0'	7.30	12.44
NGC2483	7h55m36s	-27°53'	OC	PUP	10.0'x10.0'	7.60	12.34
NGC2520	8h05m00s	-28°09'	OC	PUP	22.0'x22.0'	6.50	12.95
NGC2547	8h10m12s	-49°12'	OC	VEL	20.0'x20.0'	4.70	10.95
M48	8h13m42s	-05°45'	OC	HYA	54.0'x54.0'	5.80	13.00
NGC2567	8h18m30s	-30°39'	OC	PUP	10.0'x10.0'	7.40	12.14
NGC2571	8h18m54s	-29°45'	OC	PUP	13.0'x13.0'	7.00	12.31
Pismis4	8h34m30s	-44°16'	OC	VEL	18.0'x18.0'	5.90	11.92
IC2391	8h39m36s	-52°55'	OC	VEL	60.0'x60.0'	2.50	11.13
M44	8h40m00s	+19°40'	OC	CNC	95.0'x95.0'	3.10	13.00
IC2395	8h42m30s	-48°08'	OC	VEL	17.0'x17.0'	4.60	10.49
Cr197	8h44m42s	-41°21'	OC	VEL	17.0'x17.0'	6.70	12.59
NGC2669	8h46m24s	-52°57'	OC	VEL	20.0'x20.0'	6.10	12.35
Tr10	8h47m48s	-42°29'	OC	VEL	15.0'x15.0'	4.60	10.22
M67	8h50m48s	+11°49'	OC	CNC	30.0'x30.0'	6.90	13.00
NGC2925	9h33m12s	-53°24'	OC	VEL	12.0'x12.0'	8.30	13.44
NGC3033	9h48m42s	-56°25'	OC	VEL	12.0'x12.0'	8.80	13.94
NGC3114	10h02m30s	-60°08'	OC	CAR	35.0'x35.0'	4.20	11.66

NGC3201	10h17m36s	-46°25'	Gb	VEL	18.2'x18.2'	6.80	12.84
NGC3293	10h35m48s	-58°13'	OC	CAR	40.0'x40.0'	4.70	12.45
NGC3324	10h37m18s	-58°40'	OC	CAR	16.0'x16.0'	6.70	12.46
NGC3372	10h45m06s	-59°51'	Nb	CAR	120.0'x120.0'	3.00	13.14
NGC3532	11h05m12s	-58°44'	OC	CAR	50.0'x50.0'	3.00	11.23
Cr240	11h11m12s	-60°17'	OC	CAR	25.0'x25.0'	3.90	10.63
Tr18	11h11m24s	-60°40'	OC	CAR	12.0'x12.0'	6.90	12.04
M106	12h19m00s	+47°18'	Gx	CVN	17.4'x6.6'	8.40	13.60
Mel111	12h25m00s	+26°00'	OC	COM	275.0'x275.0'	1.80	13.74
M94	12h50m54s	+41°06'	Gx	CVN	12.3'x10.8'	8.20	13.10
NGC4755	12h53m36s	-60°20'	OC	CRU	10.0'x10.0'	4.20	8.94
M64	12h56m42s	+21°41'	Gx	COM	10.3'x5.0'	8.50	12.70
M53	13h12m54s	+18°10'	Gb	COM	14.4'x14.4'	7.70	12.00
M63	13h15m48s	+42°02'	Gx	CVN	12.6'x7.5'	8.60	13.30
NGC5128	13h25m30s	-43°01'	Gx	CEN	27.6'x20.5'	6.80	13.50
NGC5139	13h26m48s	-47°29'	Gb	CEN	36.3'x36.3'	3.70	11.24
M51	13h29m54s	+47°12'	Gx	CVN	10.8'x6.6'	8.40	12.90
M83	13h37m00s	-29°52'	Gx	HYA	13.1'x12.2'	7.50	12.80
M3	13h42m12s	+28°23'	Gb	CVN	18.6'x18.6'	6.40	11.00
M101	14h03m12s	+54°20'	Gx	UMA	28.5'x28.3'	7.90	14.90
NGC5460	14h07m30s	-48°20'	OC	CEN	25.0'x25.0'	5.60	12.33
NGC5662	14h35m36s	-56°36'	OC	CEN	29.0'x29.0'	5.50	12.55
NGC5822	15h04m24s	-54°24'	OC	LUP	40.0'x40.0'	6.50	14.25
M5	15h18m36s	+02°05'	Gb	SER	19.9'x19.9'	5.80	11.00
M4	16h23m36s	-26°32'	Gb	SCO	26.3'x26.3'	5.90	12.00
NGC6124	16h25m18s	-40°39'	OC	SCO	29.0'x29.0'	5.80	12.85
NGC6169	16h34m06s	-44°03'	OC	NOR	12.0'x12.0'	6.60	11.74
NGC6193	16h41m18s	-48°46'	OC	ARA	15.0'x15.0'	5.20	10.82
M13	16h41m42s	+36°28'	Gb	HER	23.2'x23.2'	5.90	12.00
NGC6200	16h44m06s	-47°28'	OC	ARA	12.0'x12.0'	7.40	12.54
M12	16h47m12s	-01°57'	Gb	OPH	14.5'x14.5'	6.60	12.00
NGC6231	16h54m12s	-41°49'	OC	SCO	15.0'x15.0'	2.60	8.22
Cr316	16h55m30s	-40°50'	OC	SCO	105.0'x105.0'	3.40	13.25
M10	16h57m06s	-04°06'	Gb	OPH	12.2'x12.2'	6.60	12.00
M62	17h01m12s	-30°07'	Gb	OPH	14.1'x14.1'	6.60	11.00
M92	17h17m06s	+43°08'	Gb	HER	11.2'x11.2'	6.50	11.00
NGC6322	17h18m24s	-42°56'	OC	SCO	10.0'x10.0'	6.00	10.74
NGC6383	17h34m42s	-32°35'	OC	SCO	20.0'x20.0'	5.50	11.75
M6	17h40m18s	-32°15'	OC	SCO	20.0'x20.0'	4.20	10.00
NGC6416	17h44m18s	-32°21'	OC	SCO	14.0'x14.0'	5.70	11.17
IC4665	17h46m18s	+05°43'	OC	OPH	41.0'x41.0'	4.20	12.00
NGC6425	17h47m00s	-31°32'	OC	SCO	10.0'x10.0'	7.20	11.94

Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.
M94	12h50m54s	+41°06'	Gx	CVN	12.3'x10.8'	8.20 <sup>m</sup>	13.10 <sup>m</sup>
NGC4755	12h53m36s	-60°20'	OC	CRU	10.0'x10.0'	4.20	8.94
M64	12h56m42s	+21°41'	Gx	COM	10.3'x5.0'	8.50	12.70
M53	13h12m54s	+18°10'	Gb	COM	14.4'x14.4'	7.70	12.00
M63	13h15m48s	+42°02'	Gx	CVN	12.6'x7.5'	8.60	13.30
NGC5128	13h25m30s	-43°01'	Gx	CEN	27.6'x20.5'	6.80	13.50
NGC5139	13h26m48s	-47°29'	Gb	CEN	36.3'x36.3'	3.70	11.24
M51	13h29m54s	+47°12'	Gx	CVN	10.8'x6.6'	8.40	12.90
M83	13h37m00s	-29°52'	Gx	HYA	13.1'x12.2'	7.50	12.80
M3	13h42m12s	+28°23'	Gb	CVN	18.6'x18.6'	6.40	11.00
M101	14h03m12s	+54°20'	Gx	UMA	28.5'x28.3'	7.90	14.90
NGC5460	14h07m30s	-48°20'	OC	CEN	25.0'x25.0'	5.60	12.33
NGC5662	14h35m36s	-56°36'	OC	CEN	29.0'x29.0'	5.50	12.55
NGC5822	15h04m24s	-54°24'	OC	LUP	40.0'x40.0'	6.50	14.25
M5	15h18m36s	+02°05'	Gb	SER	19.9'x19.9'	5.80	11.00
M4	16h23m36s	-26°32'	Gb	SCO	26.3'x26.3'	5.90	12.00
NGC6124	16h25m18s	-40°39'	OC	SCO	29.0'x29.0'	5.80	12.85
NGC6169	16h34m06s	-44°03'	OC	NOR	12.0'x12.0'	6.60	11.74
NGC6193	16h41m18s	-48°46'	OC	ARA	15.0'x15.0'	5.20	10.82
M13	16h41m42s	+36°28'	Gb	HER	23.2'x23.2'	5.90	12.00
NGC6200	16h44m06s	-47°28'	OC	ARA	12.0'x12.0'	7.40	12.54
M12	16h47m12s	-01°57'	Gb	OPH	14.5'x14.5'	6.60	12.00
NGC6231	16h54m12s	-41°49'	OC	SCO	15.0'x15.0'	2.60	8.22
Cr316	16h55m30s	-40°50'	OC	SCO	105.0'x105.0'	3.40	13.25
M10	16h57m06s	-04°06'	Gb	OPH	12.2'x12.2'	6.60	12.00
M62	17h01m12s	-30°07'	Gb	OPH	14.1'x14.1'	6.60	11.00
M92	17h17m06s	+43°08'	Gb	HER	11.2'x11.2'	6.50	11.00
NGC6322	17h18m24s	-42°56'	OC	SCO	10.0'x10.0'	6.00	10.74
NGC6383	17h34m42s	-32°35'	OC	SCO	20.0'x20.0'	5.50	11.75
M6	17h40m18s	-32°15'	OC	SCO	20.0'x20.0'	4.20	10.00
NGC6416	17h44m18s	-32°21'	OC	SCO	14.0'x14.0'	5.70	11.17
IC4665	17h46m18s	+05°43'	OC	OPH	41.0'x41.0'	4.20	12.00
NGC6425	17h47m00s	-31°32'	OC	SCO	10.0'x10.0'	7.20	11.94
NGC6469	17h53m12s	-22°17'	OC	SGR	12.0'x12.0'	8.20	13.34
M7	17h53m54s	-34°48'	OC	SCO	80.0'x80.0'	3.30	12.00
M23	17h57m06s	-18°59'	OC	SGR	27.0'x27.0'	5.50	13.00
M20	18h02m42s	-22°58'	C+N	SGR	28.0'x28.0'	6.30	13.00
M8	18h03m42s	-24°23'	C+N	SGR	45.0'x30.0'	5.00	13.00
M21	18h04m12s	-22°29'	OC	SGR	13.0'x13.0'	5.90	11.00
NGC6530	18h04m30s	-24°21'	OC	SGR	15.0'x15.0'	4.60	10.22
NGC6541	18h08m00s	-43°42'	Gb	CRA	13.1'x13.1'	6.60	11.93
NGC6595	18h17m06s	-19°52'	OC	SGR	11.0'x11.0'	7.00	11.95
M17	18h20m48s	-16°11'	C+N	SGR	11.0'x11.0'	6.00	13.00
M28	18h24m30s	-24°52'	Gb	SGR	15.0'x15.0'	6.90	11.00
M24	18h26m36s	-18°23'	OC	SGR	95.0'x35.0'	3.10	4.30

NGC6633	18h27m18s	+06°31'	OC	OPH	27.0'x27.0'	4.60	11.50
M25	18h31m48s	-19°07'	OC	SGR	29.0'x29.0'	4.60	12.00
M22	18h36m24s	-23°54'	Gb	SGR	24.0'x24.0'	5.10	11.00
IC4756	18h39m00s	+05°27'	OC	SER	39.0'x39.0'	4.60	12.30
M26	18h45m12s	-09°24'	OC	SCT	15.0'x15.0'	8.00	12.00
M11	18h51m06s	-06°16'	OC	SCT	14.0'x14.0'	5.80	9.00
NGC6709	18h51m30s	+10°21'	OC	AQL	13.0'x13.0'	6.70	12.01
Cr394	18h53m30s	-20°23'	OC	SGR	22.0'x22.0'	6.30	12.75
NGC6723	18h59m36s	-36°38'	Gb	SGR	11.0'x11.0'	7.30	12.25
NGC6738	19h01m24s	+11°36'	OC	AQL	15.0'x15.0'	8.30	13.92
NGC6755	19h07m48s	+04°16'	OC	AQL	15.0'x15.0'	7.50	13.12
Cr399	19h25m24s	+20°11'	OC	VUL	140.0'x50.0'	3.60	12.95
NGC6811	19h38m12s	+46°34'	OC	CYG	13.0'x13.0'	6.80	12.11
M55	19h40m00s	-30°58'	Gb	SGR	19.0'x19.0'	7.00	13.00
NGC6871	20h05m54s	+35°47'	OC	CYG	20.0'x20.0'	5.20	11.45
NGC6940	20h34m24s	+28°17'	OC	VUL	31.0'x31.0'	6.30	13.50
NGC6960	20h45m42s	+30°43'	Nb	CYG	210.0'x160.0'	7.00	18.06
IC5070	20h50m48s	+44°20'	Nb	CYG	60.0'x50.0'	8.00	16.43
NGC6992	20h56m24s	+31°43'	Nb	CYG	60.0'x8.0'	7.00	13.44
NGC6995	20h57m06s	+31°13'	Nb	CYG	12.0'x12.0'	7.00	12.14
NGC7000	21h01m48s	+44°12'	Nb	CYG	120.0'x30.0'	4.00	12.63
M15	21h30m00s	+12°10'	Gb	PEG	12.3'x12.3'	6.40	11.00
M39	21h32m12s	+48°26'	OC	CYG	32.0'x32.0'	4.60	11.00
M2	21h33m30s	-00°49'	Gb	AQR	11.7'x11.7'	6.50	11.00
IC1396	21h39m06s	+57°30'	C+N	CEP	89.0'x89.0'	3.50	12.99
NGC7243	22h15m06s	+49°54'	OC	LAC	21.0'x21.0'	6.40	12.75
NGC7293	22h29m36s	-20°50'	PI	AQR	16.0'x12.0'	6.30	13.60
Blanco1	0h04m18s	-29°56'	OC	SCL	90.0'x90.0'	4.50	14.01



Name	R.A. <sup>2000</sup>	DEC. <sup>2000</sup>	Type	Const.	Dimensions	Mag.	Surf.br.								
Blanco1	0h04m18s	-29°56'	OC	SCL	90.0'x90.0'	4.50 <sup>m</sup>	14.01 <sup>m</sup>								
NGC55	0h14m54s	-39°11'	Gx	SCL	31.2'x5.9'	7.90	13.40	NGC5460	14h07m30s	-48°20'	OC	CEN	25.0'x25.0'	5.60	12.33
NGC104	0h24m06s	-72°05'	Gb	TUC	30.0'x30.0'	4.00	11.13	Lynga2	14h24m00s	-61°24'	OC	CEN	12.0'x12.0'	6.40	11.54
NGC292	0h52m36s	-72°48'	Gx	TUC	319.1'x205.1'	2.30	14.00	NGC5617	14h29m42s	-60°43'	OC	CEN	10.0'x10.0'	6.30	11.04
NGC300	0h54m54s	-37°41'	Gx	SCL	19.3'x13.3'	8.10	14.30	NGC5662	14h35m36s	-56°36'	OC	CEN	29.0'x29.0'	5.50	12.55
NGC362	1h03m12s	-70°50'	Gb	TUC	12.9'x12.9'	6.60	11.89	NGC5822	15h04m24s	-54°24'	OC	LUP	40.0'x40.0'	6.50	14.25
NGC1316	3h22m42s	-37°13'	Gx	FOR	11.2'x7.7'	8.50	13.40	NGC6025	16h03m18s	-60°26'	OC	TRA	12.0'x12.0'	5.10	10.24
NGC1851	5h14m06s	-40°03'	Gb	COL	11.0'x11.0'	7.30	12.25	NGC6067	16h13m12s	-54°13'	OC	NOR	13.0'x13.0'	5.60	10.91
LMC	5h23m36s	-69°45'	Gx	DOR	550.0'x170.0'	0.40	14.10	Cr299	16h18m24s	-55°06'	OC	NOR	20.0'x20.0'	6.90	13.15
NGC2070	5h38m36s	-69°05'	C+N	DOR	20.0'x20.0'	8.30	14.55	NGC6087	16h18m48s	-57°56'	OC	NOR	12.0'x12.0'	5.40	10.54
Cr132	7h14m24s	-31°10'	OC	CMA	95.0'x95.0'	3.60	13.23	NGC6124	16h25m18s	-40°39'	OC	SCO	29.0'x29.0'	5.80	12.85
Cr135	7h17m00s	-36°50'	OC	PUP	50.0'x50.0'	2.10	10.33	NGC6169	16h34m06s	-44°03'	OC	NOR	12.0'x12.0'	6.60	11.74
Cr140	7h23m54s	-32°12'	OC	CMA	42.0'x42.0'	3.50	11.36	NGC6193	16h41m18s	-48°46'	OC	ARA	15.0'x15.0'	5.20	10.82
NGC2451	7h45m18s	-37°58'	OC	PUP	50.0'x50.0'	2.80	11.03	NGC6200	16h44m06s	-47°28'	OC	ARA	12.0'x12.0'	7.40	12.54
NGC2477	7h52m12s	-38°32'	OC	PUP	27.0'x27.0'	5.80	12.70	NGC6208	16h49m30s	-53°44'	OC	ARA	18.0'x18.0'	7.20	13.22
NGC2516	7h58m06s	-60°45'	OC	CAR	21.0'x21.0'	3.80	10.15	NGC6231	16h54m12s	-41°49'	OC	SCO	15.0'x15.0'	2.60	8.22
NGC2520	8h05m00s	-28°09'	OC	PUP	22.0'x22.0'	6.50	12.95	Cr316	16h55m30s	-40°50'	OC	SCO	105.0'x105.0'	3.40	13.25
NGC2547	8h10m12s	-49°12'	OC	VEL	20.0'x20.0'	4.70	10.95	NGC6250	16h57m54s	-45°56'	OC	ARA	10.0'x10.0'	5.90	10.64
NGC2546	8h12m18s	-37°35'	OC	PUP	41.0'x41.0'	6.30	14.10	NGC6259	17h00m48s	-44°39'	OC	SCO	10.0'x10.0'	8.00	12.74
NGC2571	8h18m54s	-29°45'	OC	PUP	13.0'x13.0'	7.00	12.31	M62	17h01m12s	-30°07'	Gb	OPH	14.1'x14.1'	6.60	11.00
NGC2579	8h20m54s	-36°13'	C+N	PUP	10.0'x10.0'	7.50	12.24	NGC6322	17h18m24s	-42°56'	OC	SCO	10.0'x10.0'	6.00	10.74
Pismis4	8h34m30s	-44°16'	OC	VEL	18.0'x18.0'	5.90	11.92	NGC6362	17h31m54s	-67°03'	Gb	ARA	10.7'x10.7'	8.30	13.19
IC2391	8h39m36s	-52°55'	OC	VEL	60.0'x60.0'	2.50	11.13	NGC6383	17h34m42s	-32°35'	OC	SCO	20.0'x20.0'	5.50	11.75
IC2395	8h42m30s	-48°08'	OC	VEL	17.0'x17.0'	4.60	10.49	Cr338	17h38m12s	-37°34'	OC	SCO	25.0'x25.0'	8.00	14.73
Cr197	8h44m42s	-41°21'	OC	VEL	17.0'x17.0'	6.70	12.59	M6	17h40m18s	-32°15'	OC	SCO	20.0'x20.0'	4.20	10.00
NGC2669	8h46m24s	-52°57'	OC	VEL	20.0'x20.0'	6.10	12.35	NGC6397	17h40m42s	-53°40'	Gb	ARA	25.7'x25.7'	5.70	12.49
Tr10	8h47m48s	-42°29'	OC	VEL	15.0'x15.0'	4.60	10.22	NGC6416	17h44m18s	-32°21'	OC	SCO	14.0'x14.0'	5.70	11.17
NGC2808	9h12m00s	-64°52'	Gb	CAR	13.8'x13.8'	6.30	11.74	M7	17h53m54s	-34°48'	OC	SCO	80.0'x80.0'	3.30	12.00
IC2488	9h27m24s	-56°57'	OC	VEL	15.0'x15.0'	7.40	13.02	M23	17h57m06s	-18°59'	OC	SGR	27.0'x27.0'	5.50	13.00
NGC3114	10h02m30s	-60°08'	OC	CAR	35.0'x35.0'	4.20	11.66	M20	18h02m42s	-22°58'	C+N	SGR	28.0'x28.0'	6.30	13.00
NGC3201	10h17m36s	-46°25'	Gb	VEL	18.2'x18.2'	6.80	12.84	M8	18h03m42s	-24°23'	C+N	SGR	45.0'x30.0'	5.00	13.00
NGC3293	10h35m48s	-58°13'	OC	CAR	40.0'x40.0'	4.70	12.45	M21	18h04m12s	-22°29'	OC	SGR	13.0'x13.0'	5.90	11.00
NGC3324	10h37m18s	-58°40'	OC	CAR	16.0'x16.0'	6.70	12.46	NGC6530	18h04m30s	-24°21'	OC	SGR	15.0'x15.0'	4.60	10.22
IC2602	10h42m54s	-64°24'	OC	CAR	100.0'x100.0'	1.90	11.64	NGC6541	18h08m00s	-43°42'	Gb	CRA	13.1'x13.1'	6.60	11.93
NGC3372	10h45m06s	-59°51'	Nb	CAR	120.0'x120.0'	3.00	13.14	NGC6595	18h17m06s	-19°52'	OC	SGR	11.0'x11.0'	7.00	11.95
NGC3532	11h05m12s	-58°44'	OC	CAR	50.0'x50.0'	3.00	11.23	M17	18h20m48s	-16°11'	C+N	SGR	11.0'x11.0'	6.00	13.00
NGC3766	11h36m12s	-61°36'	OC	CEN	12.0'x12.0'	5.30	10.44	M28	18h24m30s	-24°52'	Gb	SGR	15.0'x15.0'	6.90	11.00
IC2944	11h37m54s	-63°20'	C+N	CEN	60.0'x35.0'	4.50	12.55	M24	18h26m36s	-18°23'	OC	SGR	95.0'x35.0'	3.10	4.30
NGC4755	12h53m36s	-60°20'	OC	CRU	10.0'x10.0'	4.20	8.94	M25	18h31m48s	-19°07'	OC	SGR	29.0'x29.0'	4.60	12.00
NGC4833	12h59m36s	-70°52'	Gb	MUS	13.5'x13.5'	7.40	12.79	M22	18h36m24s	-23°54'	Gb	SGR	24.0'x24.0'	5.10	11.00
NGC5128	13h25m30s	-43°01'	Gx	CEN	27.6'x20.5'	6.80	13.50	M26	18h45m12s	-09°24'	OC	SCT	15.0'x15.0'	8.00	12.00
NGC5139	13h26m48s	-47°29'	Gb	CEN	36.3'x36.3'	3.70	11.24	M11	18h51m06s	-06°16'	OC	SCT	14.0'x14.0'	5.80	9.00
Ru108	13h32m12s	-58°29'	OC	CEN	12.0'x12.0'	7.50	12.64	Cr394	18h53m30s	-20°23'	OC	SGR	22.0'x22.0'	6.30	12.75
M83	13h37m00s	-29°52'	Gx	HYA	13.1'x12.2'	7.50	12.80	NGC6723	18h59m36s	-36°38'	Gb	SGR	11.0'x11.0'	7.30	12.25
NGC5316	13h54m00s	-61°51'	OC	CEN	14.0'x14.0'	6.00	11.47	NGC6744	19h09m48s	-63°50'	Gx	PAV	20.2'x13.2'	8.30	14.20
								NGC6752	19h10m54s	-59°59'	Gb	PAV	20.4'x20.4'	5.40	11.69
								M55	19h40m00s	-30°58'	Gb	SGR	19.0'x19.0'	7.00	13.00
								Mel227	20h12m06s	-79°19'	OC	OCT	50.0'x50.0'	5.30	13.53