Telescope Quick Reference Cards Deep-Sky Summary

Compilation by Derek Wallentinsen

RA is hours, minutes, decimal minutes. Declination is degrees and minutes.

Culmination time is 9pm standard zone time.

Magnitude for doubles is given for the primary.

Open cluster is synonymous with galactic cluster.

Name	Type	RA	Dec	Mag	Culmination	Constellation
Andromeda Galaxy	Galaxy	00h42m.7	+41d16m	3.4	November	Andromeda
NGC 188	Open	00h48m.2	+85d15m	10	November	Cepheus
Van Maanen's Star	Star	00h49m.2	+05d23m	12.4	November	Pisces
Owl Cluster	Open	01h19m.5	+58d17m	6.4	November	Cassiopeia
Messier 103	Open	01h33m.2	+60d42m	7.4	November	Cassiopeia
Triangulum Galaxy	Galaxy	01h33m.8	+30d40m	5.7	November	Triangulum
Little Dumbbell Nebula	Planetary	01h42m.4	+51d35m	10.1	December	Perseus
NGC 752	Open	01h57m.7	+37d47m	5.7	December	Andromeda
Almach	Double	02h03m.9	+42d20m	2.3	December	Andromeda
Mira	Star	02h19m.3	-02d59m	2.0 max	December	Cetus
Double Cluster	Open	02h20m	+57d08m	3.7-3.8	December	Perseus
Polaris	Double	02h31m.8	+89d16m	1.9	December	Ursa Minor
Messier 34	Open	02h42m.1	+42d46m	5.5	December	Perseus
Alpha Persei Cluster	Open	03h26m.7	+48d48m	1.2	December	Perseus
Chipmunk Cluster	Open	03h31m.6	+37d23m	6.7	December	Perseus
Pleiades	Open	03h47m.4	+24d07'	1.6	January	Taurus
Keid	Double	04h15m.3	-07d39m	4.4	January	Eridanus
Kite Cluster	Open	04h51m.1	+43d40m	7.6	January	Auriga
Starfish Cluster	Open	05h28m.7	+35d51m	7.4	January	Auriga
Crab Nebula	Emission	05h34m.5	+22d01m	8.4	January	Taurus
Orion Nebula	Emission	05h35m.3	-05d23m	4	January	Orion
Trapezium Cluster	Open	05h35m.4	-05d27m	4	January	Orion
Pinwheel Cluster	Open	05h36m.3	+34d08m	6.3	January	Auriga
Messier 78	Dust Cloud	05h46m.8	+00d01m	8.3	February	Orion
Messier 37	Open	05h52m.3	+32d33m	6.2	February	Auriga
Messier 35	Open	06h09m.1	+24d21m	5.1	February	Gemini
Propus	Double	06h14m.9	+22d30m	3.2	February	Gemini
Rosette Nebula	Emission	06h33m.8	+05d00m	9	February	Monoceros
Hubble's Variable Nebula	Dust Cloud	06h39m.2	+08d45m	9	February	Monoceros
Cone Nebula	Emission	06h41m.3	+09d21m	3.9	February	Monoceros
Christmas Tree Cluster	Open	06h41m.3	+09d53m	3.9	February	Monoceros
Messier 41	Open	06h46m.0	-20d46m	4.5	February	Canis Major
Collinder 121	Open	06h56m.3	-24d44m	5.8	February	Canis Major
Thor's Helmet	Emission	07h18m.5	-13d14m	11.5	February	Canis Major
Tau Canis Maj Cluster	Open	07h18m.8	-24d57m	3.8	February	Canis Major
Castor	Double	07h34m.6	+31d53m	1.9	March	Gemini
Messier 47	Open	07h36m.6	-14d30m	4.2	March	Puppis
Messier 46	Open	07h41m.8	-14d49m	6.1	March	Puppis
Messier 48	Open	08h13m.7	-05d45m	5.8	March	Hydra
Beehive Cluster	Open	08h40m.4	+19d59m	3.7	March	Cancer

Messier 67	Open	08h51m.3	+11d49m	6.1	March	Cancer
Bode's Galaxy	Galaxy	09h55m.6	+69d04m	6.9	April	Ursa Major
Cigar Galaxy	Galaxy	09h55m.9	+69d41m	8.4	April	Ursa Major
Leo I	Galaxy	10h08m.5	+12d18m	11.2	April	Leo
Ghost of Jupiter	Planetary	10h24m.8	-18d39m	8.6	April	Hydra
Messier 108	Galaxy	11h11m.5	+55d40m	10.7	April	Ursa Major
Owl Nebula	Planetary	11h14m.8	+55d01m	9.9	April	Ursa Major
Leo Triplet	Galaxy	11h19m.9	+13d20m	8.9	April	Leo
Antenna Galaxies	Galaxy	12h01m.9	-18d52m	11.1	May	Corvus
Markarian's Chain	Galaxy	12h27m.0	+13d00m	9.8 M86	May	Virgo-Coma Berenices
3C273	Quasar	12h29m.1	+02d03m	12.9	May	Virgo
Messier 87	Galaxy	12h30m.8	+12d23m	8.8	May	Virgo
Sombrero Galaxy	Galaxy	12h40m.0	-11d37m	8	May	Virgo
Porrima	Double	12h41m.7	-01d27m	2.7	May	Virgo
Cor Caroli	Double	12h56m.0	+38d19m	2.8	May	Canes Venatici
Sunflower Galaxy	Galaxy	13h15m.8	+42d02m	9.3	May	Canes Venatici
Mizar	Double	13h23m.9	+54d56m	2	May	Ursa Major
Whirlpool Galaxy	Galaxy	13h29m.9	+47d12m	8.4	May	Canes Venatici
Messier 3	Globular	13h42m.2	+28d23m	6.2	June	Canes Venatici
Pinwheel Galaxy	Galaxy	14h03m.2	+54d21m	7.9	June	ursa Major
Zubenelgenubi	Double	14h50m.9	-16d03m	2.7	June	Libra
Messier 5	Globular	15h18m.6	+02d05m	6	June	Serpens Caput
Omega Scorpii	Double	16h06m.8	-20d40m	4	July	Scorpius
Messier 80	Globular	16h17m.0	-22d59m	7.9	July	Scorpius
Messier 4	Globular	16h23m.6	-26d32m	5.9	July	Scorpius
Hercules Cluster	Globular	16h41m.7	+36d28m	5.8	July	Hercules
Northern Jewel Box	Open	16h54m	-41d48m	2.6	July	Scorpius
Messier 10	Globular	16h57m.1	-04d06m	6.4	July	Ophiuchus
Messier 92	Globular	17h17m.1	+43d08m	6.3	July	Hercules
Nu Draconis	Double	17h32m.2	+55d11m	4.9	July	Draco
Butterfly Cluster	Open	17h40m.1	-32d13m	4.2	August	Scorpius
Ptolemy's Cluster	Open	17h53m.9	-34d49m	3.3	August	Scorpius
Barnard's Star	Star	17h57m.8	+04d42m	9.5	August	Ophiuchus
Trifid Nebula	Emission	18h02m.4	-23d02m	6.3	August	Sagittarius
Lagoon Nebula	Emission	18h03m.6	-24d23m	6	August	Sagittarius
Double Globular	Globular	18h03m.6	-30d02m	8.3	August	Sagittarius
Eagle Nebula	Emission	18h18m.8	-13d49m	6	August	Serpens Cauda
UY Scuti	Star	18h27m.6	-12d28m	8.3max	August	Scutum
Messier 25	Open	18h31m.8	-19d07m	4.9	August	Sagittarius
Messier 22	Globular	18h36m.4	-23d54m	5.1	August	Sagittarius
Double Double	Double	18h44m.4	+39d37m	4.6	August	Lyra
Wild Duck Cluster	Open	18h51m.1	-06d16m	5.8	August	Scutum
Ring Nebula	Planetary	18h53m.6	+33d02m	8.8	August	Lyra
Messier 56	Globular	19h16m.6	+30d11m	8.3	August	Lyra
Coathanger Cluster	Open	19h25m.4	+20d11m	3.6	August	Vulpecula
Albireo	Double	19h30m.7	+27d58m	3.1	August	Cygnus
Barnard's Galaxy	Galaxy	19h44m.9	-14d47m	9.3	September	Sagittarius
Dumbbell Nebula	Planetary	19h59m.6	+22d43m	7.5	September	Vulpecula

Crescent Nebula	Emission	20h12m.1	+38d21m	7.4	September	Cygnus
Alpha Capricorni	Double	20h18m	-12d30m	3.6	September	Capricornus
Beta Capricorni	Double	20h21m.0	-14d47m	3.1	September	Capricornus
Veil Nebula	Emission	20h45m.6	+30d43m	7	September	Cygnus
Messier 72	Globular	20h53m.5	-12d32m	9.4	September	Aquarius
North America Nebula	Emission	20h59m.3	+44d32m	4	September	Cygnus
Saturn Nebula	Planetary	21h04m.2	-11d22m	8	September	Aquarius
61 Cygni	Double	21h06m.9	+38d45m	5.2	September	Cygnus
Gummy Bear Nebula	Planetary	21h07m.0	+42d14m	10	September	Cygnus
Le Gentil 3	Dust Cloud	21h10m	+53d00m	NA	September	Cygnus
Messier 15	Globular	21h30m.0	+12d10m	6.2	September	Pegasus
Messier 39	Open	21h31m.1	+48d27m	5.5	September	Cygnus
Messier 2	Globular	21h33m.5	-00d49m	6.3	September	Aquarius
Messier 30	Globular	21h40m.4	-23d11m	7.7	October	Capricornus
Herschel's Garnet Star	Star	21h43m.5	+58d47m	4.1	October	Cepheus
Helix Nebula	Planetary	22h29m.6	-20d50m	7.6	October	Aquarius
Stephan's Quintet	Galaxy	22h36m.0	+33d58m	14	October	Pegasus
Bubble Nebula	Emission	23h20m.8	+61d12m	10	November	Cassiopeia
Messier 52	Open	23h24m.8	+61d36m	6.9	November	Cassiopeia
Blue Snowball	Planetary	23h25m.9	+42d33m	8.6	November	Andromeda