

## Observation Check List

Name	Code	Where	Note
Beehive Cluster	M44	Cancer	
Flocculent Spiral Galaxy	C48 / NGC 2775	Cancer	
Spiral Galaxy	NGC 2903 / NGC 2905	Leo	Next to Leo's nose
Leo Triplet	M65, M66, & NGC 3628	Leo	Three galaxies toward Denebola
Antennae Galaxies	C60 & 61 / NGC 4038 & 4039	Corvus	
Ghost of Jupiter Planetary Nebula	C59 / NGC 3242	Crater	
Needle Galaxy (Berenices Hair Clip)	C38 / NGC 4565	Coma Berenices	Edge-on galaxy between Leo and Boötes
Mirror Galaxy	M100	Coma Berenices	Edge-on galaxy between Leo and Boötes
Markarian's Chain	M84, M86, M87, M60	Virgo	Chain of galaxies near Coma Berenices
Sombrero Galaxy	M104	Virgo & Corvus	Edge-on galaxy between Virgo & Corvus
Open Clusters	M6 & M7	Sagittarius	
Lagoon Nebula & Trifid Nebula	M8 & M20	Sagittarius	Bright emission nebulae
Open Cluster	M21	Sagittarius	Near Trifid Nebula (M20)
Eagle Nebula & Omega Nebula	M16 & M17	Sagittarius	Look for the Pillars of Creation in M16
Sagittarius Globular Cluster	M22	Sagittarius	Bright Globular Cluster
Wild Duck Cluster	M11	Scutum	Triangle shape near Sagittarius
Hercules Globular Clusters	M13 & M92	Hercules	M13 Brightest Globular Cluster
Ring Nebula	M57	Lyra	Distant but colorful nebula
Eastern Veil Nebula	C33 / NGC 6992	Cygnus	Supernova remnant
Western Veil Nebula	C34 / NGC 6960	Cygnus	Supernova remnant
The Crescent Nebula	NGC 6888	Cygnus	
The North American Nebula	C20 / NGC 7000	Cygnus	Look for the Cygnus Wall
Blinking Planetary Nebula	C15 / NGC 6826	Cygnus	
Cocoon Nebula	C19 / IC 5146	Cygnus	
Dumbbell Nebula	M27	Sagitta	Bright planetary nebula
Ophiuchus Globular Clusters	M9, M10, M12, M14, M19, M62, M107	Ophiuchus	Look for M10 first
Pegasus Globular Cluster	M15	Pegasus	
Deer Lick Group	C30 / NGC 7331	Pegasus	Distant tilted spiral galaxy
Little Sombrero Galaxy	C43 / NGC 7814	Pegasus	Distant tilted spiral galaxy
Propeller Galaxy	C44 / NGC 7479	Pegasus	Distant face-on spiral galaxy
Sculptor Galaxy	C65 / NGC 253	Sculptor / Cetus	Bright galaxy below Pisces & Pegasus
Globular Cluster	M2	Aquarius	Bright Globular Cluster

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Helix Nebula	C63 / NGC 7293	<a href="#">Aquarius</a>	The “Eye of God” near Fomalhaut
Saturn Planetary Nebula	C55 / NGC 7009	<a href="#">Aquarius</a>	Planetary Nebula near Capricornus
Phantom Galaxy	M74	<a href="#">Pisces</a>	Face-on spiral galaxy toward Aries
Andromeda Galaxy	M31, M32, & M110	<a href="#">Andromeda</a>	1 <sup>st</sup> largest galaxy apparent view
Triangulum Galaxy	M33	<a href="#">Triangulum</a>	Wide galaxy near <a href="#">Andromeda</a>
Blue Snowball Planetary Nebula	C22 / NGC 7662	<a href="#">Andromeda</a>	
Silver Silver (Outer Limits) Galaxy	C23 / NGC 891	<a href="#">Andromeda</a>	Edge on galaxy toward <a href="#">Perseus</a>
Perseus Double Cluster	C14 / NGC 869 & NGC 884	<a href="#">Perseus</a>	
Little Dumbbell Nebula	M76	<a href="#">Perseus</a>	Distant planetary nebula
Open Clusters	M36, M37, and M38	<a href="#">Auriga</a>	
Flaming Star Nebula	C31 / IC 405	<a href="#">Auriga</a>	
The Tadpoles	IC 410	<a href="#">Auriga</a>	
The Spider Nebula	IC 417	<a href="#">Auriga</a>	
The Pleiades	M45	<a href="#">Taurus</a>	
Crab Nebula	M1	<a href="#">Taurus</a>	Supernova remnant
Monkey Head Nebula	NGC 2175	<a href="#">Orion</a>	Up toward <a href="#">Auriga</a>
Casper Ghost Nebula	M78 & NGC 2071	<a href="#">Orion</a>	Reflection nebulae east of Alnitak
Orion Nebula	M42	<a href="#">Orion</a>	Extremely bright emission nebula
De Mairan’s Nebula	M43	<a href="#">Orion</a>	Extension of the Orion Nebula
Horse Head & Flame Nebula	IC 434 / NGC 2024	<a href="#">Orion</a>	Dark nebula
Rosette Nebula	C49 / NGC 2237 / NGC 2244	<a href="#">Monoceros</a>	Between <a href="#">Orion</a> and <a href="#">Canis Minor</a>
Christmas Tree Cluster	NGC 2264	<a href="#">Monoceros</a>	Between <a href="#">Orion</a> and <a href="#">Canis Minor</a>
Jellyfish Nebula	IC 443	<a href="#">Gemini</a>	At the left foot of Castor
Crown Face Nebula	C39 / NGC 2392	<a href="#">Gemini</a>	
Seagull Nebula	IC 2177	<a href="#">Canis Major</a>	Above dog’s head toward <a href="#">Monoceros</a>
Thor’s Helmet	NGC 2359	<a href="#">Canis Major</a>	Above the dog’s head
Tau Canis Major Cluster	C64 / NGC 2362	<a href="#">Canis Major</a>	Above the dog’s tail

Name	Code	Where	Note
Bode’s & Cigar Galaxies	M81 & M82	<a href="#">Ursa Major</a>	Face-on and edge-on galaxy
Surfboard Galaxy	M108	<a href="#">Ursa Major</a>	Next to M97 below the bowl
Owl Nebula	M97	<a href="#">Ursa Major</a>	Eyes of an owl below the bowl

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Pinwheel Galaxy	M101	<a href="#">Ursa Major</a>	Face-on spiral galaxy
Whirlpool Galaxy	M51	<a href="#">Canes Venatici</a>	“Below” the handle of the Big Dipper
The Silver Needle Galaxy	C26 / NGC 4244	<a href="#">Canes Venatici</a>	“Below” the Big Dipper ( <a href="#">Ursa Major</a> )
Spindle Galaxy	M102 / NGC 5866	<a href="#">Draco</a>	Edge-on galaxy
Splinter Galaxy	NGC 5907	<a href="#">Draco</a>	Edge-on galaxy
Cat’s Eye Planetary Nebula	C6 / NGC 6543	<a href="#">Draco</a>	
Hidden Galaxy	C5 / IC 342	<a href="#">Camelopardalis</a>	Spiral Galaxy near <a href="#">Cassiopeia</a>
Pelican Nebula	NGC 281	<a href="#">Cassiopeia</a>	Emission nebula
Fish Head (Northern Bear) Nebula	IC 1795	<a href="#">Cassiopeia</a>	Emission nebula
Bubble Nebula	C11 / NGC 7635	<a href="#">Cassiopeia</a>	Look for the bubble shape
Scorpion Cluster	M52	<a href="#">Cassiopeia</a>	Open cluster
Owl / ET Cluster	C13 / NGC 457	<a href="#">Cassiopeia</a>	Looks like ET or an owl
Heart Nebula / Running Dog Nebula	IC 1805	<a href="#">Cassiopeia</a>	Wide / Dim Nebula
Soul Nebula	IC 1848	<a href="#">Cassiopeia</a>	Wide / Dim Nebula
Ghost of Cassiopeia	IC 63	<a href="#">Cassiopeia</a>	Emission & Reflection Nebula
Fireworks Galaxy	C12 / NGC 6946	<a href="#">Cepheus &amp; Cygnus</a>	Face-on spiral galaxy
Iris Nebula	C4 / NGC 7023	<a href="#">Cepheus</a>	Blue emission nebula

Object	Color	Description
Galaxy	Red	An island of stars such as the Milky Way
Globular Cluster	Green	A cluster of thousands of older stars within the Milky Way
Open Cluster	Blue	A cluster of a few hundred newer stars within the Milky Way
(Double) Star	Black	Stellar pair – two stars that are gravitationally attached to each other
Nebula	Purple	A cloud of hydrogen gas and dust. Area where new stars are forming.
Planetary Nebula	Orange	The remains of a collapsed star
Super Nova Remnant	Brown	The remains of a large star that exploded

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