

Meeting Date January 9, 2022

Night Begins 6:59 P.M. EST *Note: Astronomical Twilight Ends*

Solar Noon / Midnight 12:41 EST *Note: on Meeting Date*

Moon Quarters New 01/02, First 01/09, Full 01/17, Last 01/25

Darkest Evenings 12/25 – 01/07 01/23 – 02/06 *Note: 2 days before Last Quarter thru 2 days before First Quarter*

Viewing Resources

- <http://skymaps.com/> Evening Sky Maps
- <https://www.cleardarksky.com/> Astronomy Forecast
- <https://www.heavens-above.com/> Satellite Tracking
- <https://spaceweather.com/> Sun / Earth Environment

Deep Sky Focus: 5 Hours RA Thru 6 Hours RA *Note: West to East*

Featured Targets *Note: Quality 1 = very easy, 5 = very hard, A = spectacular, D = detectable but featureless*

	M / NGC / IC	Constellation	Type	vMag	Quality	Common Name
Asterism	NGC 2169	Ori	Ast	7.8.9	1A	"37" Cluster, Cr83 Open cluster shows a number '37', in Orion's Club
Double Star	Lambda (39)	Ori	DS	3.5	1A	Collinder 69 Beautiful Double Star, Mag 3.5, 5.5 - Sep 4.3, Orion's helmet Star
Open Cluster	NGC 2129	Gem	OC	6.7	2C	Bright, little, looks well detached, 25 stars, near 1 Gem and M35
Globular Cluster	M79	Lep	GC	7.7	2B	NGC 1904 Bright and comet like. Extra-galactic globular migrated from Canis Major Dwarf Galaxy
Galaxy	None					No Bright Galaxies North of -35 Declination in these RA
Planetary Nebula	IC 418	Lep	PN	9.6	3C	Spirograph nebula Intricate spiral pattern with a central star. Between the Hunter and the Hare.
Emission Nebula	NGC 1931	Aur	NB	10	4A	Flame Nebula Miniature version of the Orion Nebula and Trapezium near M36, M38 & NGC 1907

Constellations *Note: Sorted by Average RA, Rank by Size*

Name	Common Name	Rank	Alpha Star
Lepus	The Hare	51	Arneb (11)
Orion	The Great Hunter	26	Betelgeuse (58)
Auriga	The Charioteer	21	Hamal (13)
Canis Major	The Larger Dog	43	Sirius (9)

Messier Objects *Note: Sorted by RA*

Name	Constellation	Type	vMag	Quality	NGC	Common Name
M 79	Lep	GC	7.7	2B	1904	
M 38	Aur	OC	6.4	2B	1912	Starfish Cluster
M 1	Tau	SN	8.4	3C	1952	Crab Nebula
M 42	Ori	OC/NB	4	1A	1976	Orion Nebula, Trapezium
M 43	Ori	OC/NB	9	1A	1988	De Mairan's Nebula
M 36	Aur	OC	6	2B	1960	Pinwheel Cluster
M 78	Ori	NB	8	3B	2068	Casper the Ghost Nebula
M 37	Aur	OC	5.6	1A	2099	January Salt & Pepper Cluster
M 35	Gem	OC	5.1	1A	2168	Shoe-Buckle Cluster
M 41	CMa	OC	4.5	2B	2287	Little Beehive Cluster