

Meeting Date	Oct 10, 2021	
Night Begins	8:30 PM EDT	<i>Note: Astronomical Twilight Ends</i>
Solar Noon / Midnight	1:19 EDT	<i>Note: on Meeting Date</i>
Moon Quarters	New 10/06, First 10/13, Full 10/20, Last 10/28	
Darkest Evenings	09/27 - 10/11	<i>Note: 2 days before Last Quarter thru 2 days before First Quarter</i>

Viewing Resources	Evening Sky Maps	http://skymaps.com/
	Astronomy Forecast	https://www.cleardarksky.com/
	Satellite Tracking	https://www.heavens-above.com/
	Melotte Catalogue	https://en.wikipedia.org/wiki/Melotte_catalogue

Deep Sky *Note: West to East*

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

	<u>M / NGC / IC</u>	<u>Constellation</u>	<u>Type</u>	<u>vMag</u>	<u>Quality</u>	<u>Common Name</u>
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Asterism	Circlet	Psc	Ast	4.5	1A	Circlet
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Ring of seven 4th and 5th magnitude stars. Just below the Square of Pegasus.

Double Star	Eta Cas	Cas	DS	3.4	1A	Achird
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Mag 3.4, 7.5 Sep 12" Yellow-Orange and Orange-Red, A is similar to the Sun.

Open Cluster	NGC 7789	Cas	OC	6.7	2B	White Rose
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Nice target for all scopes. Near Beta (Caph), loops of stars and dark lanes

Globular Cluster None
No Bright Globular Clusters North of -35 Declination in these RA

Galaxy	NGC 185	Cas	GAL	9.2	3A	C 18
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Located not far from C 17, NGC 147. Dwarf galaxy and a satellite of the Andromeda galaxy

Planetary Nebula	NGC 7662	And	PN	8.6	2B	Blue Snowball C 22
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Bright Planetary, North of the Square of Pegasus

Emission Nebula	NGC 7635	Cas	C/N	10	4c	Bubble C 11
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Faint nebula near M 52, dark site required OIII filter may help. Crescent shape.

Constellations *Note: Sorted by Average RA, Rank by Size 1 - 88*

<u>Name</u>	<u>Common Name</u>	<u>Rank</u>	<u>Alpha Star</u>
Sculptor	the Sculptor	36	Alpha
Pisces	the Fishes	14	Alrescha (113)
Andromeda	Chained Maiden	19	Alpheratz (21)

Messier Objects *Note: Sorted by RA*

<u>Name</u>	<u>Constellation</u>	<u>Type</u>	<u>vMag</u>	<u>Quality</u>	<u>NGC</u>	<u>Common Name</u>
M 52	Cas	OCL	6.9	2A	7654	Salt & Pepper
M 110	And	GAL	8.1	3C	205	
M 31	And	GAL	3.4	1A	224	Andromeda
M 32	And	GAL	8.1	2C	221	