

<b><u>Meeting Date</u></b>	Aug 14, 2022		
<b><u>Night Begins</u></b>	10:27 PM EDT	<i>Note: Astronomical Twilight Ends</i>	
<b><u>Solar Noon / Midnight</u></b>	1:39 EDT	<i>Note: on Meeting Date</i>	
<b><u>Moon Quarters</u></b>	First 08/05, Full 08/12, Last 08/19, New 08/27		
<b><u>Darkest Evenings</u></b>	07/18 - 08/03	08/17 - 09/01	<i>Note: 2 days before Last Quarter thru 2 days before First Quarter</i>

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

### 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>
<b>Asterism</b>	Job's Coffin	Del	Ast	4.0	1A	Nicolaus Venator 1814
	Bino Object, Formed by the stars Alpha, Beta, Gamma, and Delta Delphinus.					
<b>Double Star</b>	Gamma	Del	DS	3.87	1A	Al Salib
	Mag 4.5, 5.5 Sep 9.6" Corner of "Job's Coffin", color Orange and Lime, Gamma 2 may have a planet.					
<b>Open Cluster</b>	NGC 6802	Vul	OC	8.8	5A	Cr 400
	Use a larger scope, Very rich, tiny and compact. Near the Coat Hanger A personal favorite					
<b>Globular Cluster</b>	NGC 7006	Del	GC	10.5	3B	C 42
	Very nice, small, comet like,, 12" or better to resolve any of the 250,000 stars					
<b>Galaxy</b>	NGC 6822	Sgr	GAL	8.1	2B	Barnard's C 57
	Dwarf sized, face-on irregular Galaxy, in our local group.					
<b>Planetary Nebula</b>	NGC 6818	Sgr	PN	9.3	3B	Little Gem
	Bright Planetary easy to see. Greenish-Blue color, best at 100x+					
<b>Emission Nebula</b>	NGC 6960	Cyg	C/N	7	2A	Filamentary C 34
	Emission Nebula near 52 Cyg, Brightest part of the West Veil, use OIII filter for best views.					

### 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>
Sagittarius	the Archer	15	Rukbat
Sagitta	the Arrow	86	Sham (5)
Aquila	the Eagle	22	Altair (53)
Vulpecula	the Fox	55	Anser (6)
Cygnus	the Swan	16	Deneb (50)
Delphinus	the Dolphin	69	Sualocin (9)

### 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 56	Lyr	GCL	8.3	3C	6779	Mel 220
M 55	Sgr	GCL	6.3	4C	6809	Specter Mel 221
M 71	Sge	GCL	8.2	3C	6838	Angelfish Mel 226
M 27	Vul	PLN	7.3	2B	6853	Dumbbell
M 75	Sgr	GCL	8.5	3C	6864	Mel 228
M 29	Cyg	OCL	7	2B	6913	Cooling Tower
M 72	Aqr	GCL	9.3	4C	6981	Mel 233
M 73	Aqr	OCL	9.6	4C	6994	Cr 426