

Meeting Date	May 15, 2022	
Night Begins	10:48 PM EDT	<i>Note: Astronomical Twilight Ends</i>
Solar Noon / Midnight	1:30 EDT	<i>Note: on Meeting Date</i>
Moon Quarters	New 04/30, First 05/09, Full 05/16, Last 05/22, New 05/30	
Darkest Evenings	04/21 - 05/06 05/20 - 06/05	<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 Focus: 13 Hours RA Thru 14 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	Gas Pump	UMa	Ast	5.4-7.6	1A	Gas Pump Handle 5 stars make hose shape, 3 stars create the nozzle. Between Mizar and Alkaid.
Double Star	39 Boo	Boo	DS	5.7	3A	RA 14 50 Dec +48 37, Mag 6.2, 6.9 Sep 2.9" Both are very Sun like. North of Nakkar
Open Cluster	None					No Bright Open Clusters North of -35 Declination in these RA
Globular Cluster	NGC 5466	Boo	GC	9.2	2C	Snowglobe Near 9 Boo, relatively unconcentrated core, best in dark skies
Galaxy	M 63	CVn	GAL	8.6	3B	5055 Sunflower Large barred spiral, part of the M 51 group, north of Dbl star Cor Caroli
Planetary Nebula	None					No Bright Planetary Nebula North of -35 Declination in these RA
Emission Nebula	None					No Bright Emission Nebula North of -35 Declination in these RA

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

Name	Common Name	Rank	Alpha Star
Canes Venatici	the Hunting Dogs	38	Cor Caroli (12)
Virgo	the Maiden	2	Spica (67)
Boötes	the Herdsman	13	Arcturus (16)

Messier Objects *Note: Sorted by RA*

Name	Constellation	Type	vMag	Quality	NGC	Common Name
M 53	Com	GC	7.6	2B	5024	
M 63	CVn	GAL	8.6	3B	5055	Sunflower
M 51	CVn	GAL	8.4	3B	5194	Whirlpool
M 83	Hya	GAL	7.5	4C	5236	Southern Pinwheel
M 3	CVn	GC	6.2	2B	5272	
M 101	UMa	GAL	7.9	4B	5457	Pinwheel