

Meeting Date

May 16, 2021

Night Begins

10:47 PM EDT *Note: Astronomical Twilight Ends*

Solar Noon / Midnight

1:29 EDT *Note: on Meeting Date*

Moon Quarters

Last 05/03, New 05/11, First 05/19, Full 05/26

Darkest Evenings

05/01 - 05/17 *Note: 2 days before Last Quarter thru 2 days before First Quarter*

Viewing Resources

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

<u>M / NGC / IC</u>	<u>Constellation</u>	<u>Type</u>	<u>vMag</u>	<u>Quality</u>	<u>Common Name</u>
<u>Asterism</u>					
Kite	Boo	Ast	0.1-3.5	1A	Spring Triangle
The six main stars are Arcturus, Izar, Princeps, Nekkar, Seginus, and Rho Boötis.					
<u>Double Star</u>					
Epsilon (36)	Boo	DS	2.6	1A	Izar
Mag 2.6, 4.8 Sep 2.9" Secondary often lost in the glare of the primary. Gold & blue colors.					
<u>Open Cluster</u>					
None					
No Bright Open Clusters North of -35 Declination in these RA					
<u>Globular Cluster</u>					
M 3 (2572)	Cvn	GC	6.2	2B	Mel 119
One of the finest northern globular clusters, Halfway between Cor Caroli and Arcturus					
<u>Galaxy</u>					
NGC 5248	Boo	GAL	10.3	3D	Caldwell 45
Large barred spiral, oval shaped with bright nucleus.					
<u>Planetary Nebula</u>					
None					
No Bright Planetary Nebula North of -35 Declination in these RA					
<u>Emission Nebula</u>					
None					
No Bright Emission Nebula North of -35 Declination in these RA					

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>
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

<u>Name</u>	<u>Constellation</u>	<u>Type</u>	<u>vMag</u>	<u>Quality</u>	<u>NGC</u>	<u>Common Name</u>
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