

Visual Observer Guide – October 2022

V0.1

<u>Meeting Date</u>	Oct 9, 2022					
<u>Night Begins</u>	8:36 PM EDT	<i>Note: Astronomical Twilight Ends</i>				
<u>Solar Noon / Midnight</u>	1:21 EDT	<i>Note: on Meeting Date</i>				
<u>Moon Quarters</u>	First 10/03, Full 10/09, Last 10/17, New 10/25					
<u>Darkest Evenings</u>	09/15 - 9/30	10/15 – 10/30	<i>Note: 2 days before Last Quarter thru 2 days before First Quarter</i>			
<u>Viewing Resources</u>	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: 23 Hours RA Thru 00 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>
Asterism	Home Plate	And	Ast	6.0	1A
		STF (Struve) 3064 5 stars shaped like a pentagon, 00h 07m, 4d 35', 44'x31'			
Double Star	Sigma Cas	Cas	DS	4.8	1A
		Mag 4.9, 7.2 Sep 3" Both stars stunning blue, type B1 & B3, near NGC 7789			
Open Cluster	NGC 225	Cas	OC	7	2B
		Sailboat Cluster Nice target for all scopes, use low power. One of youngest clusters. 21' diameter			
Globular Cluster	None				
		No Bright Globular Clusters North of -35 Declination in these RA			
Galaxy	M 110, NGC 205	And	GAL	8.1	3C
		Located North of M31. Andromeda local group, use bigger scopes to see details			
Planetary Nebula	NGC 40	Cep	PN	10.5	3C
		Bow-Tie C 2 Bright central star, small and round. Try UHC filter.			
Emission Nebula	NCG 281	Cas	C/N	7.4	2C
		PacMan Faint nebula near Achid. Dark site required, OIII filter will help. Look for dark lanes & IC 1590			

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	