

<b>Meeting Date</b>	January 14, 2024	
<b>Night Begins</b>	7:02 PM. EST	<i>Note: Astronomical Twilight Ends</i>
<b>Solar Noon / Midnight</b>	12:41 EST	<i>Note: on Meeting Date</i>
<b>Moon Quarters</b>	Full 01/03, Last 01/11, New 01/17, First 01/25	
<b>Darkest Evenings</b>	01/09 – 01/23	<i>Note: 2 days before Last thru 2 days before First</i>
<b>Viewing Resources</b>	Evening Sky Maps	<a href="http://skymaps.com/">http://skymaps.com/</a>
	Astronomy Forecasts	<a href="https://clearoutside.com/forecast/42.82/-83.14">https://clearoutside.com/forecast/42.82/-83.14</a>
		<a href="http://oaklandastronomy.net/ambient_RH.html">http://oaklandastronomy.net/ambient_RH.html</a>
	Peter Birren's Deep-Sky Fieldbooks	<a href="http://www.birrendesign.com/astro.html">http://www.birrendesign.com/astro.html</a>

**Featured Constellation** **Focus: 07 Hours RA Thru 08 Hours R** *Note: West to East*  
 A selection from Peter Birren's excellent deep-sky fieldbook, *"Objects in the Heavens"*, page 86

CONSTELLATION	COMMON NAME		SEASON,	ON MERIDIAN	ABBREVIATION	
ITEM IDENTIFIER	TYPE	DETAILS	☆☆ SEPARATION / SIZE	RA	DEC	MAG
<b>Gemini</b>	<i>Leda and Zeus's Twin Sons</i>		Winter	Feb 20	<b>GEM</b>	
<i>"Requires a little attention to the map to make out the whole constellation."</i>						
☆☆ Castor	α	The Horseman; 51LY	4.4"	07:35.9	31°51'	1.9/3
Both greenish-white; 6☆☆ system (3 ☆ seen in scope)						
☆ Pollux	β	Golden tinted; 35LY; 1 large planet	07:46.5	27°59'	1.2	
☆☆ Wasat	δ	Yellow/magenta; 28LY	6"	07:21.3	21°57'	3.5/8
☆☆ 38		Yellow/blue; good contrast	7"	06:55.8	13°09'	4.6/8
☆ TU®		Orange-red carbon ☆; var. 230 days	06:12.1	26°01'	7.2-8	
○○M35 2168	OC	!! 120☆☆; compressed; like M37	35'	06:10.1	24°20'	5.1
<i>"Beautiful and extensive region of small stars, a nebula to the naked eye."</i>						
○ NGC2129	OC	40☆☆ mag8-15; rich	6'	06:02.3	23°19'	6.7
○ NGC2158	OC	150+☆☆; compact; 2° SW of M35	5'	06:08.5	24°05'	8.6
On outer rim of Milky Way; 16kLY; 10x older than M35						
○ NGC2266	OC	35☆☆; tight triangle; many red ☆	6'	06:44.5	26°57'	9.5
○ NGC2304	OC	60☆☆; small; 13☆☆ in oval	3'	06:56.2	17°57'	10.0
○ NGC2331	OC	Sparse; with small ringlet	18'	07:08.2	27°13'	8.5
○ NGC2355/56	OC	S-shaped, loose; 40☆☆	9'x7'	07:18.1	13°43'	9.7
○ NGC2392	PN	! Eskimo (Clown Face) Nebula	43"	07:30.2	20°52'	9.0
<i>First observed as a mag9 ☆, "With a pretty bright nebulosity, equally dispersed all around; a very remarkable phenomenon."</i>						
○ NGC2395	OC	45☆☆; faint; elusive; 2 groups	14'	07:27.8	13°35'	8.0
○ Abell 21	PN	Medusa Neb; irreg. half-moon	12'x8.5'	07:30.2	13°12'	10.2
○ NGC2420	OC	100☆☆; rich; compressed	5'	07:39.5	21°31'	8.3
○ IC 2157	OC	Small; angular; near M35; 20☆☆	6'	06:06.0	24°03'	8.4
○ IC 2156	OC	In same field with IC2157; small	5'	06:06.0	24°09'	9.0
○○Cr 89	OC	15☆☆; 4,240LY	48'	06:19.2	23°37'	5.7
○ Bochum 1	OC	Loose; scattered; difficult	26'	06:26.6	19°45'	7.9