

<u>Meeting Date</u>	June 9, 2024		
<u>Night Begins</u>	1:20 PM. EDT	<i>Note: Astronomical Twilight Ends</i>	
<u>Solar Noon / Midnight</u>	1:31 EDT	<i>Note: on Meeting Date</i>	
<u>Moon Quarters</u>	New 06/06, First 06/14, Full 06/21, Last 06/28		
<u>Darkest Evenings</u>	05/28-06/12	06/26-07/11	<i>Note: 2 days before Last thru 2 days before First</i>
<u>Viewing Resources</u>	Evening Sky Maps	http://skymaps.com/	
	Astronomy Forecasts	https://clearoutside.com/forecast/42.82/-83.14	
		http://oaklandastronomy.net/ambient_RH.html	
	Peter Birren's Deep-Sky Fieldbooks	http://www.birrendesign.com/astro.html	

Featured Constellation: Ophiuchus

A selection from Peter Birren's excellent deep-sky fieldbook, *"Objects in the Heavens"*, pages 100-101

CONSTELLATION	COMMON NAME	SEASON, ON MERIDIAN	ABBREVIATION
ITEM IDENTIFIER	TYPE DETAILS	☆☆ SEPARATION / SIZE RA DEC	MAG
Ophiuchus	<i>Serpent Handler; Asclepius</i>	Summer Jul 25	OPH
<i>"An extensive region, somewhat barren to the eye, but attractive to the telescope."</i>			
☆☆ <i>Ras Alhague</i> α	Very close ☆☆; 8.7 year orbit	.5" avg 17:35.8 12°36'	2.1/5
☆ V2500®	<i>Barnard's Star</i> ; red dwarf; 6LY	17:58.8 04°42'	9.53
☆☆ 39/Omicron ο	Yellow/blue	10.3" 17:19.2 -24°18'	5.4/6.6
☆☆ 5/Rho ρ	Yellow/blue ☆☆☆; nebulous	156"/151" 16:26.8 -23°29'	5/6/7
☆☆ 36®	Yellow/red; 5☆ group	4.6" 17:16.6 -26°37'	4.3/5
☆☆ 70®	In <i>Bull of Poniatowski</i> ; yellow/red	5.4" 18:06.4 02°30'	4.2/6
Eye of the Bull; named for King of Poland from 1764 to 1795; 16.6LY			
☆ V®	Carbon ☆; 894LY; var. 298 days	16:27.8 -12°28'	7.3-11
◯◯ M9 6333	GC Well resolved; bright middle	5.5' 17:20.4 -18°32'	7.6
Smallest GC in OPH; dark neb B64 prominent to the west.			
◯◯ M10 6254	GC Highly resolved; bright; 14kLY	20' 16:58.2 -04°08'	6.6
◯◯ M12 6218	GC Somewhat loose; resolvable	17.6' 16:48.3 -01°59'	6.7
◯◯ M14 6402	GC Many faint ☆, mag14+	30' 17:38.6 -03°15'	7.6
◯◯ M19 6273	GC Bright; oblate; well resolved	14' 17:03.8 -26°18'	6.6
◯◯ M62 6266	GC Bright; well resolved; rich	10' 17:02.5 -30°08'	6.4
Unusual, comet-like shape; near S edge of OPH			
◯ M107 6171	GC Well resolved; small; faint	17' 16:33.6 -13°06'	7.9
◯ NGC6235	GC Somewhat resolvable; faint	6' 16:54.6 -22°12'	9.5
◯ NGC6284	GC Resolvable; round; compressed	3.3' 17:05.7 -24°47'	8.5
◯ NGC6287	GC Well resolved; bright; interesting	6' 17:06.2 -22°44'	9.2

○ NGC6293	GC	Bright; resolvable; rich;	9'	17:11.4	-26°36'	8.2
○ NGC6304	GC	Well resolved; bright; round	10'	17:15.8	-29°29'	8.2
○ NGC6316	GC	Well res.; bright core, near M19	6'	17:17.9	-28°10'	8.1
○ NGC6325	GC	Faint; mottled; DN B72 to East	4'	17:19.2	-23°47'	10.3
○ NGC6342	GC	Small faint central area	14'	17:22.3	-19°36'	9.6
○ NGC6355	GC	Well resolved; round; 13 _B YO	10'	17:25.2	-26°22'	9.2
○ NGC6356	GC	Well resolved; bright; near M9	8'	17:24.7	-17°50'	8.3
○ NGC6366	GC	Unresolved; faint	15'	17:28.8	-05°05'	9.5
○ NGC6369	PN	<i>Little Ghost</i> ; similar to M57	30'	17:30.5	-23°46'	10.5
○ NGC6401	GC	12☆; unresolved; round	12'	17:39.8	-23°55'	9.4
○ NGC6572	PN	<i>Blue Racquetball Neb</i> ; round	16"	18:13.1	06°52'	8.4
○○ NGC6633	OC	65☆ in "S"; bright; naked eye	20'	18:28.2	06°31'	4.6
○ IC 4604	RN	pOPH Nebula; 400LY	1°x.4°	16:26.8	-24°29'	5.1
○ IC 4603	RN	Between pOPH and Antares	20'x10'	16:26.8	-24°31'	10.0
○ Barnard 68	DN	522LY; classical dark globule	5x3'	17:23.1	-23°51'	—
○ Tr 26	OC	Bright; large; scattered	6'	17:29.8	-29°30'	9.5
○○ IC 4665	OC	20☆; <i>Summer Beehive</i> ; 1,100LY	1.2°	17:47.3	05°43'	4.2
○ Cr 350	OC	32☆; Nice chains and ☆☆	39'	17:49.1	01°18'	6.1
○○ Cr 359	OC	40☆; ☆☆70OPH and 5 bright ☆	4°	18:02.0	02°54'	3.0
100 OPH		Bull ☆s (66, 67, 68, 70, 73OPH) form a V in Mel186				