

Meeting Date	September 14, 2025	
Night Begins	9:21 PM. EDT	Note: Astronomical Twilight Ends
Solar Noon / Midnight	1:27 EDT	Note: on Meeting Date
Moon Quarters	Full 09/07, Last 09/14, New 09/21, First 09/29	
Darkest Evenings	09/12 – 09/27	Note: 2 days before Last thru 2 days before First
Viewing Resources	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 Constellations: Aquarius & Pegasus

A selection from Peter Birren's excellent deep-sky fieldbook, *"Objects in the Heavens"*, pages 52-53, 104-105

CONSTELLATION	COMMON NAME	SEASON,	ON MERIDIAN	ABBREVIATION
ITEM IDENTIFIER	TYPE	DETAILS	☆☆ SEPARATION / SIZE	RA DEC MAG
Aquarius	<i>the Water Carrier</i>		Autumn Oct 10	AQR

"A dull looking constellation but well repaying telescopic research."

☆☆ 55/Zeta ζ	Close pair; both white	1.8"	22:29.9	-00°05'	4/4.5
☆☆ 41	Topaz/blue	5"	22:15.4	-20°00'	5.5/7
☆☆ 94	Light yellow/blue; contrasty	12.7"	23:19.6	-13°24'	5/7
☆ R®	Long period var., 390 days; 643LY	23:44.9	-15°10'	5-12	
OO M2 ₇₀₈₉	GC Well resolved; 55kLY; 13BYO	21'	21:34.6	-00°44'	6.5
Over 150,000☆; intense core; many red/yellow giants; magnifies well					
○ M72 ₆₉₈₁	GC Well resolved; rich; 60kLY	5.9'	20:54.6	-12°27'	9.2
Non-symmetrical globular with bright core					
○ M73 ₆₉₉₄	Ast 4☆; Messier's Mistake; triangle	2.8'	21:00.0	-12°33'	8.9
OO NGC 7009	PN ! Saturn Nebula, sm.green oval	35"	21:05.2	-11°17'	8.2
OO NGC 7293	PN ! Helix Nebula, see in binocs?	16'	22:30.8	-20°44'	7.0
Nearest PN at 655LY; 3LY across; OIII filtering helps					

Pegasus	<i>the Winged Horse</i>	Autumn Oct 20	PEG
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"Easily recognized by the great square, one of which is a principle in Andromeda."

☆ <i>Markab</i>	α	<i>The Saddle</i> ; SW corner of Square	23:05.7	15°19'	2.49
☆☆ <i>Enif</i>	ε	☆☆☆; yellow/violet; 672LY 82"/142"	21:45.1	09°58'	2/9/13
☆ 51		1st ☆ found with planet, Oct 1995	22:58.4	20°52'	5.44
○○ M15 ₇₀₇₈	GC	! High resolve; 13.2 Bil.y/o	18'	21:30.9	12°15' 6.2
○ _{NGC} 7217	SG	Sb; bright; brighter middle	4'x3'	22:08.8	31°27' 10.0
○ _{NGC} 7331	SG	! Sb; brightest in Deer Lick Group	10'x3'	22:37.9	34°31' 9.7