

Meeting Date

October 12, 2025

Night Begins

8:29 PM EDT

Note: Astronomical Twilight Ends

Solar Noon / Midnight

1:18 EDT

Note: on Meeting Date

Moon Quarters

Full 10/06, Last 10/13, New 10/21, First 10/29

Darkest Evenings

10/11 – 10/27

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: Andromeda & Pisces**A selection from Peter Birren's excellent deep-sky fieldbook, *"Objects in the Heavens"*, pages 50-51, 106-107

CONSTELLATION	COMMON NAME	SEASON, ON MERIDIAN	ABBREVIATION
ITEM IDENTIFIER	TYPE DETAILS	☆☆ SEPARATION / SIZE RA DEC	MAG

Andromeda *Cassiopeia's Daughter* Autumn Nov 10 **AND**

"Rich in interesting objects of every class. Sweep in the upper part."

All quotes excerpted from the Rev T.W.Webb, *Celestial Objects for the Common Telescope*, 1859.

☆☆ Almaak	γ	3☆☆; orange/blue; 245LY	10"/.5"	02:05.1	42°26'	2/5/10
☆ VX®		Very red carbon ☆ in small "dipper"		00:21.0	44°49'	8-9.5
☆ AQ®		Deep red carbon ☆; var. 332 days		00:28.6	35°42'	7-8.2
○○ M31 ²²⁴	SG	!!! Andromeda Galaxy	160x40"	00:43.8	41°23'	4.2
Bar connects close visual neighbors in the list.						
○○ M32 ²²¹	EG	E2; round, bright core; L	7'x5'	00:43.8	40°59'	8.1
○○ M110 ²⁰⁵	EG	E6; elongated; near M31; L	16'x9'	00:41.6	41°48'	8.3
○○ NGC 7662	PN	! Blue Snowball, nebula ring	28"	23:26.9	42°39'	8.6
○○ NGC 7686	OC	12☆☆ mag8-13; scattered	15'	23:31.1	49°15'	5.6
○ NGC 206	C/N	Star cloud on SW tip of M31	4.2'	00:41.7	40°51'	8.6
○ NGC 272	OC	10☆☆; L-shaped asterism	5'	00:52.6	35°56'	8.5
○ NGC 404	SG	S03; Mirach's Ghost; 7' NE of β	3.4'	01:10.6	35°50'	10.4
○○ NGC 752	OC	70☆☆; open; loose; bright	60'	01:58.9	37°53'	5.7
Orange ☆☆☆ nearby; best in binocs or refractor						
○ NGC 891	SG	Sb; Outer Limits Glxy; edge-on	13'x3'	02:23.9	42°26'	10.2
○ NGC 956	OC	50-100☆☆; irregular; round; loose	8'	02:32.3	44°43'	8.9
○○ Gloria Frederika		Asterism near NGC 7662	3.2°x1.3°	23:41.0	46°10'	8.0
○○ Star 14	Ast	Golf Putter asterism	20'x95'	01:54.0	37°25'	7.5

CONSTELLATION	COMMON NAME		SEASON,	ON MERIDIAN	ABBREVIATION	
ITEM IDENTIFIER	TYPE	DETAILS	☆☆ SEPARATION / SIZE	RA	DEC	MAG
Pisces		<i>the Fishes; Venus and Cupid</i>	Autumn	Nov 10		PSC

"A dull region, containing some good telescopic objects."

Attractive low-power field around Kappa.

☆☆ <i>Al Rischa</i>	α	Binary; pale green/blue-ish; 1.9"	02:03.1	02°51'	4.2/5
Remarkable contrast; ☆s overlap in 2060AD; 139LY					
☆☆ 86/Zeta	ζ	☆☆☆; pale yellow/rose 1.8"/24"	01:14.8	07°41'	5/7/12
☆☆ 74/Psi	ψ	Both blue-white 30"	01:06.7	21°35'	5.3/6
☆ 19/TX®		Carbon ☆; naked-eye bright	23:47.4	03°36'	6.3-7
☆☆ 55		Orange/blue; striking 6.6"	00:40.9	21°33'	5.6/8.5
☆☆ 65		Both yellow 4.6"	00:50.9	27°49'	5.5/6
○ M74 ₆₂₈	SG	Sc; face-on mini-M33; 32MLY 10'x9.5'	01:37.8	15°53'	9.14
○ NGC488	SG	Sb; delicate spiral pattern 5'x4'	01:22.8	05°22'	10.2
○ NGC524	SG	SA; exceedingly bright nucleus 3.4'	01:25.8	09°38'	10.3