

Night of July 13/14, 2024 — Thompson’s Beach, NJ

Event	EDT	Notes
Sunset	8:26 pm	299° azimuth
Venus Sets	9:08 pm	Mag -3.9, 10.9”diam, 98.2% illum
Mercury Sets	9:48 pm	Mag +0.13, 6.8”diam, 57% illum
Low Tide (East Point)	10:05 pm	Neap tide, 1Q Moon @ 6:49 pm
Astronomical Twilight Ends	10:21 pm	
Moon Occults Spica, <i>ingress</i>	11:27 pm	9.5° altitude, 11:27:25 pm per SS
13P/Olbers Sets	12:22 am	@ 10 pm, 17.8° alt, 309° azimuth
Moon Sets	12:23 am	51.2% illum @ 10 pm
Moon Occults Spica, <i>egress</i>	12:34 am	-2° altitude

In addition...

Check **T Coronae Borealis** brightness with a scope (i.e., actual magnitude estimate).

Observe **Lunar X**. 358° colongitude prediction is 9:11 am on July 13, while Cloudy Nights has it at 10:48 am. Half-a-day later at 9 pm, the NASA lunar simulator has the left rim of the crater Purbach fully illuminated (left in a direct view = celestial east = lunar west), but still some duskiness on the floor. By 11 pm, the floor should be fully illuminated. The right rim of Purbach is the left side of the X.