

The Ursa Minor Report



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Special Edition for the Solar Eclipse!

We have been urging everyone to travel to see the total **solar eclipse on April 8, 2024**. However, if you cannot get out of town, this *Solar Eclipse Edition* is your guide for observing the partial eclipse from Kutztown, PA.

Timing at KU

We've done the calculations! As viewed from Kutztown, the eclipse will start at 2:08 pm and it will end at 4:34 pm. **The maximum obscuration will occur at 3:23 pm when 91.61% of the Sun will be blocked by the Moon.** This is *not* a total eclipse in Kutztown, so it is important to remember that *it will not be safe to look directly at the Sun without proper eye protection during any stage of the eclipse.* The image below is a simulation of the KU eclipse at maximum (3:23 pm).



At the time of KU's maximum eclipse, the coordinates of the center of the Moon's shadow will be

(43°38'41.0"N, 76°44'45.0"W), which is just south of the Canadian border in the middle of Lake Ontario. Coincidentally, Syracuse, NY will experience their 84-second-long total eclipse at exactly the same time (3:23 pm).

Venus & Jupiter

Check out the "morning star" in the afternoon! While a partial eclipse won't reveal many day-time stars, we think you'll easily be able to see the planet Venus. It'll be located 15° west of the Sun & Moon. Try to spot Jupiter, too, at 29½° to the east.



