



# Lockport Eclipse Schedule



Time	Event
14:05:28	<b>Partial eclipse begins.</b> The moment the edge of the Moon touches the edge of the Sun is called first contact.
14:06*	<b>Moon bites Sun.</b> Using eclipse glasses, the eclipse starts to become visible to the eye.
14:27*	<b>Obscuration around 20%.</b> One-fifth of the area of the Sun's disk is covered by the Moon.
14:34*	<b>Temperature changes.</b> As the Moon covers the Sun, the amount of solar energy decreases.
14:42*	<b>Sharp &amp; blurry shadows.</b> Shadow edges that are aligned with the Sun's narrowing crescent become sharper.
14:49*	<b>Darkness sets.</b> As the eclipse progresses, the sky starts to become noticeably darker.
14:56*	<b>Temperature, humidity &amp; wind.</b> Conditions continue to change as the amount of solar energy decreases.
15:04	<b>Light levels &amp; colors.</b> Surroundings start to darken, while colors start to turn grayish.
15:11*	<b>Reaction of nature.</b> The behavior of animals and plants starts to be affected by falling levels of light.
15:13*	<b>Dark shadow on horizon.</b> The Moon's umbral shadow may become visible as it approaches from the west.
15:16*	<b>Shadow bands.</b> Faint waves of light may be seen moving across the ground and walls.
15:18:27*	<b>Corona appears.</b> The corona—the outer part of the Sun's atmosphere—starts to become visible.
15:18:32*	<b>Dark shadow sweeps in.</b> The Moon's umbral shadow arrives from the west and envelops the surroundings.
15:18:37*	<b>Diamond ring.</b> The corona forms a ring around the dark Moon, while the Sun dazzles like a jewel. A jewel in the sky
15:18:42*	<b>Baily's beads.</b> Just before totality, beads of sunlight stream through valleys along the edge of the Moon.
<b>15:18:47</b>	<b>Totality begins. The moment the edge of the Moon covers all of the Sun is called second contact.</b>
15:18:48*	<b>Chromosphere.</b> The chromosphere—a thin, red layer of the Sun's atmosphere—is briefly visible.
15:18:49*	<b>Prominences.</b> Reddish, tongue-like prominences may poke out from the Sun during totality.
15:18:50*	<b>Corona.</b> During totality, the ghostly corona shines as brightly as a Full Moon.
15:20:36	<b>Maximum eclipse.</b> The deepest point of the eclipse, with the Sun at its most hidden.
15:22:19*	<b>Chromosphere.</b> Just before the end of totality, the chromosphere briefly reappears.
<b>15:22:24</b>	<b>Totality ends. The moment the edge of the Moon exposes the Sun is called third contact.</b>
15:22:25*	<b>Baily's beads.</b> A new set of Baily's beads appears, signalling the end of totality.
15:22:26*	<b>Shadow bands.</b> Faint waves of light may reappear along the ground and walls.
15:22:29*	<b>Diamond ring.</b> Baily's beads come together to form another dazzling jewel of sunlight.
15:22:39*	<b>Dark shadow sweeps out.</b> The Moon's umbral shadow departs toward the east.
15:22:44*	<b>Corona fades.</b> The ring of the corona around the Moon disappears from view.
15:27*	<b>Dark shadow on horizon.</b> The Moon's umbral shadow may be visible in the distance as it retreats to the east.
15:29*	<b>Nature returns to normal.</b> Animals and plants are going back to their usual behavior.
15:43*	<b>Light levels &amp; temperature.</b> The conditions of the sky and surroundings are returning to normal.
16:11*	<b>Obscuration around 20%.</b> One-fifth of the area of the Sun's disk is covered by the Moon.
16:32:22	<b>Partial eclipse ends.</b> The moment the edge of the Moon leaves the edge of the Sun is called fourth contact.

