

Report on Total Solar Eclipse of April 8, 2024

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Observed from Ellsinore, Missouri (about 25 miles Northwest of Poplar Bluff, MO.)

Location and Timing from "Solar Eclipse Times" application on my iPhone.
(times were spot on with my watch and observed contacts)

Location: 29-99 Ball Park Rd, Ellsinore MO.

Longitude: -90.75075 (-90° 45' 2.6994")

Latitude: 36.93249 (36° 55' 56.994")

Elevation ≈ 222 meters

Contacts - UT

1st: 17:39:28

2nd: 18:56:00

3rd: 19:00:06

4th: 20:15:32

Mid/Max: 18:58:03

Sky Conditions: High generally thin clouds, with interspaced denser long bands of clouds.

Cloud movement was generally West to East. Attached Photo.

Observations: Clouds prevented detailed photos of Corona. Venus and Jupiter were easily seen, but no stars - again high thin clouds. Basically, just watched and enjoyed. Very dark with streetlights coming on a few minutes before 1st contact. A large, single, "pinkish" prominence was visible. I had set up a video camera to record shadow bands. No bands were apparent either before 1st or after 4th contact either visually or on camera. Again, I believe clouds affected shadow band visibility. During 2017 eclipse in Marion, IL, shadow bands were readily visible, but sky was cloudless. (Except for that little cloud puff that moved between me and the Sun at the last minute.) Ellsinore was off center-line. Eclipse was about 4 seconds shorter than totality at Poplar Bluff. Given traffic after 2017, I decided to avoid congestion and chose Ellsinore for observation location. Driving Springfield MO to Ellsinore was about 2 and half hours on the morning of eclipse. Driving Ellsinore to Springfield **after** eclipse was 4 and half hours. Great time, even with thin clouds. Hundreds of folks, mostly locals, were gathered at baseball park - as usual, a great cheer went up with totality.

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