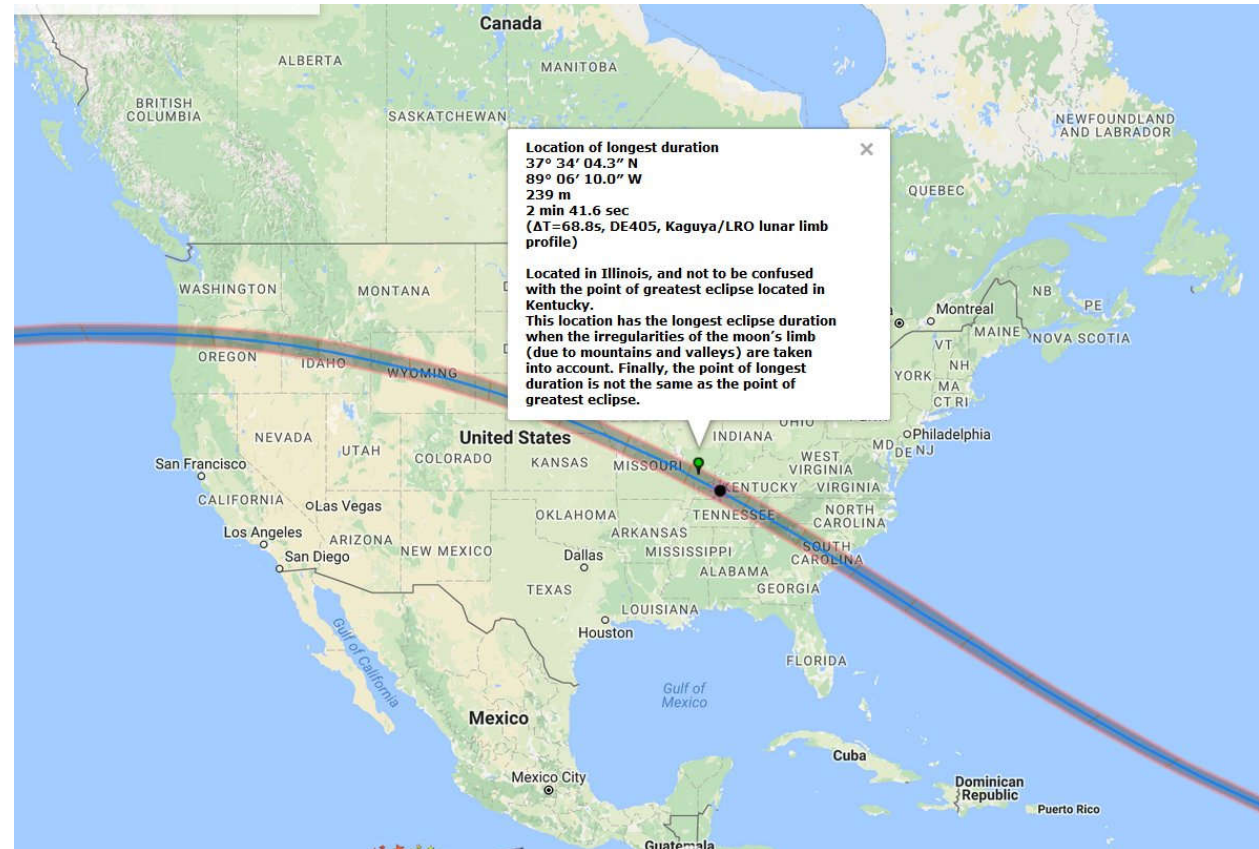


Solar Eclipse August 21, 2017

Ray Kawakami

- Trip to Missouri to view the total eclipse
- Path of totality went from Oregon to South Carolina

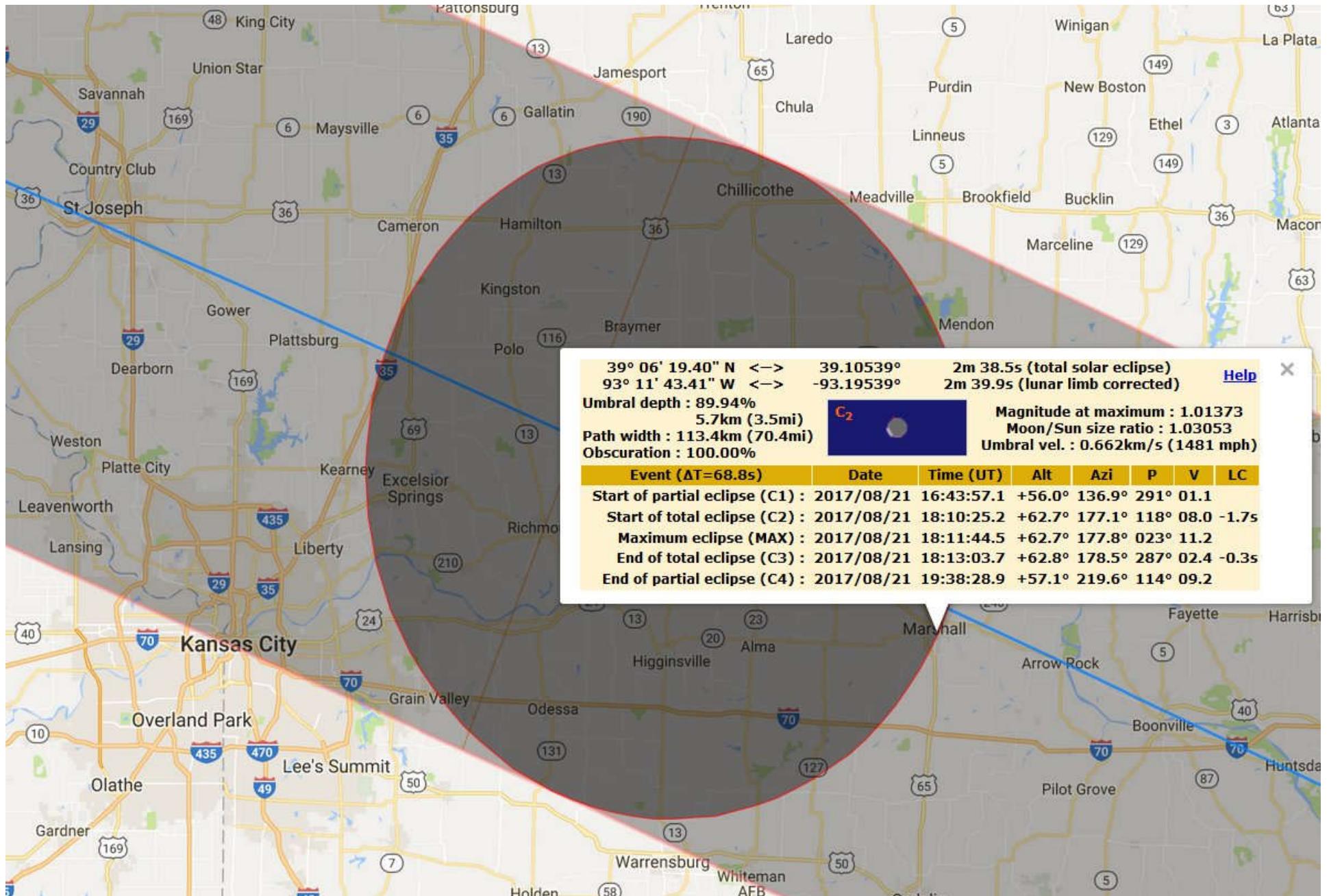


Equipment

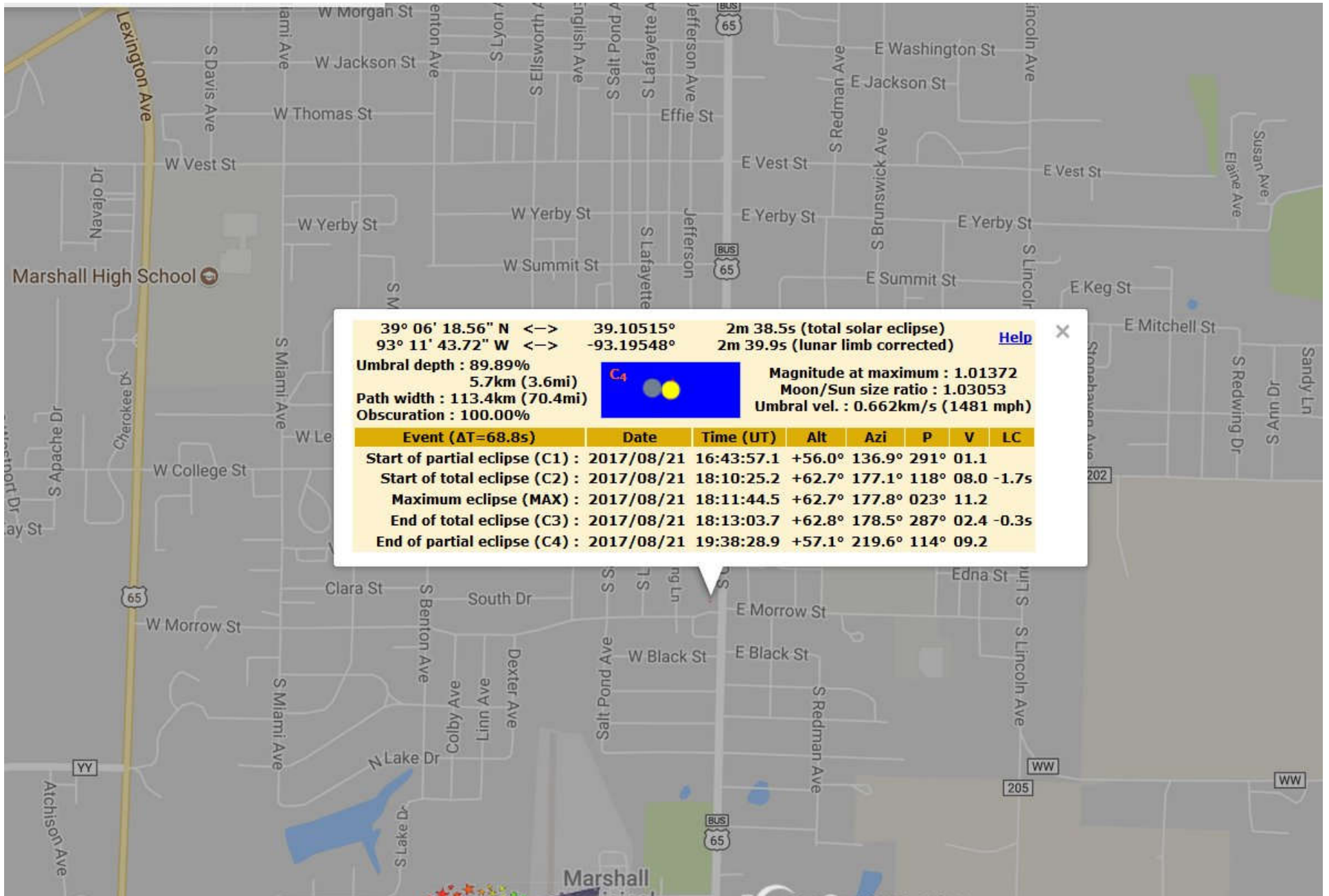
- Nikon D5300 DSLR with Nikkor 55-300mm 4.5-5.6 lens and Murami DHG ND-100000 solar filter
- Bushnell 8x42 WA binoculars with Astromania 80mm filters
- Pair of solar glasses from Eclipse2017.org
- Tripod for camera



Kansas City, MO 9am: Lightning, thunder and torrential downpour. Forecast was for increasing thunderstorms and local flash flood warning. I had to move our rental car as the lot was flooding.



St. Joseph was 1st choice but storm was coming in from the southwest so we headed east on I70. Selected Marshall since it gave us enough time to get back to Kansas City in time for flight home.



Our viewing location was at a closed-up strip mall parking lot on S. Odell Ave at W. Morrow St, just 3 blocks west of Missouri Valley College. There were about 40-45 people in the lot with us.




Marshall, MO 12:50pm About 75% coverage of the sun but clouds obscured the view. This is looking almost due south, the direction of the sun but it's about 63° up and not yet visible.



DSC_0235 F5.6 1/60 ISO4000

1:01pm: Clouds thinning out enough to now see the sun. 9 minutes until totality.

A dark, hazy photograph of a crescent moon in a black sky. The moon is a thin, bright arc of light, centered in the upper half of the frame. The background is almost entirely black, with a slight gradient and some faint, indistinct shapes that suggest a hazy or cloudy atmosphere. The overall tone is very dark and moody.

DSC_0238 F5.6 1/30 ISO4000

1:03pm: 7 minutes until totality. Clouds beginning to cooperate but still enough to make the view hazy.




DSC_0247 F5.6 1/15 ISO2000

1:07pm: 3 minutes until totality. Streetlights started to turn on. Got noticeably cooler. Was about 80° before the start of the eclipse. Might have dropped about 8-10 degrees during the event.




DSC_0250 F5.6 1/15 ISO2000

1:08pm: 2 minutes until totality.



DSC_0252 F5.6 1/40 ISO6400

1:09pm: 1 minute until totality. There's barely a sliver of sun now visible. Probably should have adjusted my camera's exposure settings but I was too excited to do it.



DSC_0254 F5.3 1/100 ISO6400

1:10pm: Totality! This is the best photo I managed to get. Could have been clouds in the way but was probably due to the fact that I didn't adjust the camera better. Oh well, there's always 2024!



DSC_0268 F5.6 1/250 ISO4000

1:15pm: 2 minutes past the end of totality. Of course *now* the clouds start to disappear!



DSC_0270 F5.6 1/50 ISO4000

1:15pm: Snapped this one a few seconds later with a slower shutter speed.



1:22pm: 7 minutes post eclipse. Clouds still thinning out. Getting better photos of partial.



DSC_0289 F5.6 1/500 ISO250

1:23pm: 8 minutes post eclipse.