Solar Eclipse – April 8, 2024

Nacogdoches, Texas
Maximum Eclipse: **1:44 pm** (97.3% Coverage)
Partial Eclipse: 12:24 pm to 3:04 pm

There will be a Solar Eclipse Watch Party at **Festival Park, 507 S. Pecan St.** in Nacogdoches, TX from 11:30 AM to 2:30PM. The SFA Planetarium will be closed on April 8th as most of the students and faculty will be traveling to the path of totality.

Map to Festival Park

Path of Totality

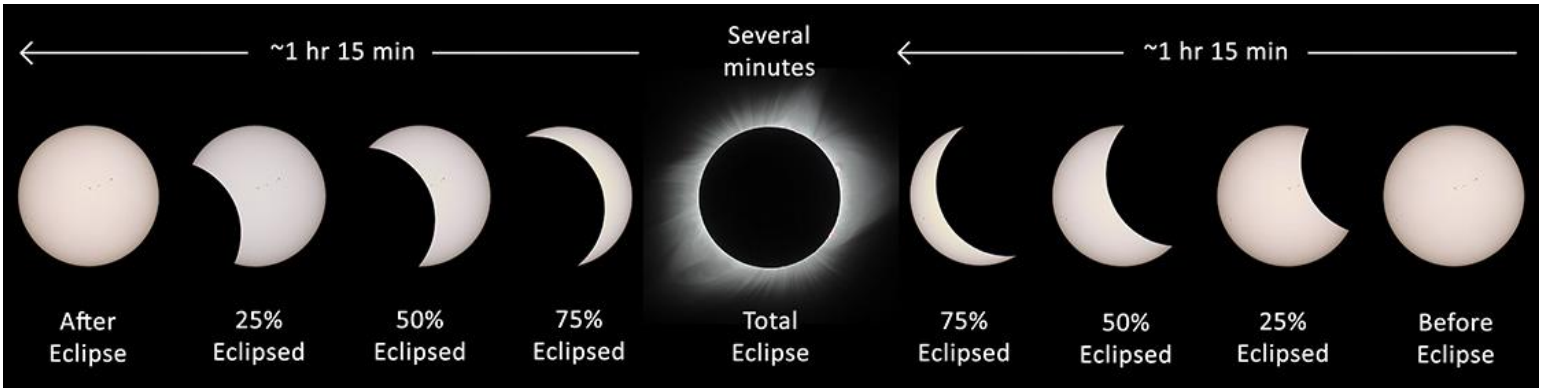
Travel Map

City	Totality Start	Duration*
Eagle Pass	1:27:32 PM CDT	4:24
Kerrville	1:32:07 PM CDT	4:25
Fredericksburg	1:32:58 PM CDT	4:24
Killeen	1:36:20 PM CDT	4:16
Gatesville	1:36:46 PM CDT	4:24
Temple	1:37:13 PM CDT	3:44
Waco	1:38:02 PM CDT	4:11
Hillsboro	1:38:43 PM CDT	4:23

City	Totality Start	Duration*
Corsicana	1:40:03 PM CDT	4:09
Fort Worth	1:40:28 PM CDT	2:33
Dallas	1:40:43 PM CDT	3:51
Garland	1:41:11 PM CDT	3:51
Athens	1:41:39 PM CDT	3:19
Wills Point	1:41:40 PM CDT	4:20
Canton	1:41:48 PM CDT	4:05
McKinney	1:42:01 PM CDT	3:04

City	Totality Start	Duration*
East Tawakoni	1:42:03 PM CDT	4:21
Greenville	1:42:15 PM CDT	4:09
Emory	1:42:20 PM CDT	4:18
Sulphur Springs	1:42:59 PM CDT	4:21
Tyler	1:43:33 PM CDT	1:49
Paris	1:44:00 PM CDT	4:02
Mount Pleasant	1:44:17 PM CDT	3:53
Texarkana	1:46:56 PM CDT	2:23

* "Duration" refers to the duration of totality and is expressed in minutes and seconds



Best Places to View the Eclipse

The Sun will be 97% covered by the Moon at 1:44PM in Nacogdoches – provided that the skies are clear. For residents of East Texas interested in experiencing the total solar eclipse on April 8, 2024, here's a concise list of facts tailored for those considering traveling to the path of totality:

1. **Path of Totality Proximity**: Nacogdoches is close to the path of totality. For 100% coverage, consider traveling north or northeast. Cities such as Tyler, Texas, could provide a vantage point for totality for about 30 seconds. The map on the back of this page, shows that cities such as Sulfur Springs are closer to the central path of totality and will have a total solar eclipse for about 4 minutes.

2. **Timing for the Journey**: Given the eclipse begins at 12:24 pm, with maximum coverage at 1:44 pm in Nacogdoches, plan to leave early. This accounts for potential traffic and ensures a good spot for viewing. Aim to be at your chosen location well before the start of the eclipse.

3. **Duration of Totality**: Depending on your exact location within the path of totality, the total eclipse could last up to 4 minutes and 28 seconds at its maximum. This contrasts with the partial coverage seen in Nacogdoches and offers a unique experience of daytime darkness.

4. **Eye Safety**: Regardless of your location, whether in Nacogdoches or within the path of totality, always use ISO-certified eclipse glasses to view the eclipse phases. Totality is the only safe phase to view the eclipse directly without protection, but be cautious of timing. Glasses are available in the SFA planetarium ticket office.

5. **Weather Considerations**: April weather can be unpredictable. Check the forecast for your chosen viewing location closer to the date. Clear skies are crucial for an optimal eclipse viewing experience.

6. **Community Events**: Many cities within the path of totality are hosting eclipse viewing parties and events. These can offer educational talks, guided viewing, and a community atmosphere.

7. **Traffic and Accommodations**: Expect increased traffic and potentially booked accommodations in and around the path of totality. Plan your route well in advance to avoid last-minute hassles.

8. **Photography and Equipment**: If you're interested in photographing the eclipse, ensure you have the right equipment (e.g., solar filters for cameras). Practice using it before the eclipse day.

Remember, a total solar eclipse offers a unique and awe-inspiring view of celestial mechanics that differs significantly from a partial eclipse. Traveling to experience totality can be a memorable adventure, especially when planned with these facts in mind.

Clear skies!
SFA Planetarium