



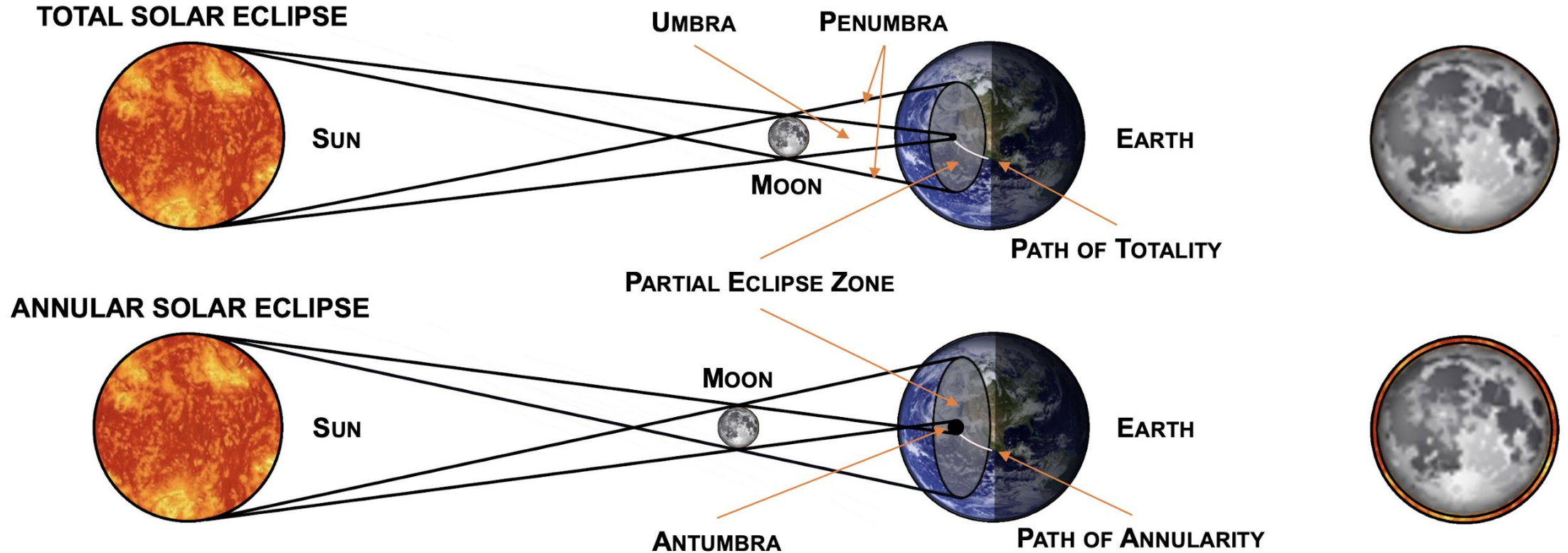
Hill Country in the Path of Totality

Meeting/Event Name
Meeting/Event Date

Presenter's Name, Presenter Title
Presenter's Business/Organization
Business/Organization Location

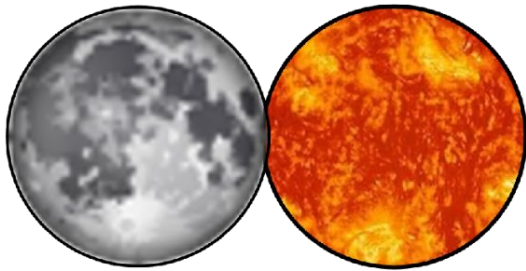
Anatomy of Solar Eclipses

Total vs Annular



Contact Total Solar Eclipse

FIRST CONTACT



Start of Eclipse
Beginning of 1st Partial Phase
Moon Starts Covering Sun

SECOND CONTACT



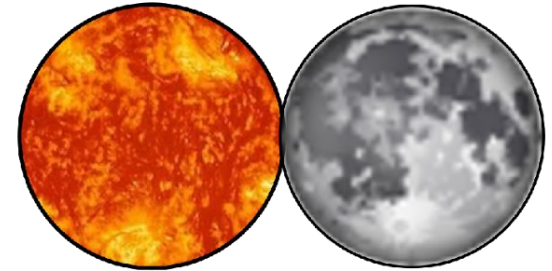
Beginning of Totality
1st Partial Phase Ends
Moon Fully Covers Sun

THIRD CONTACT



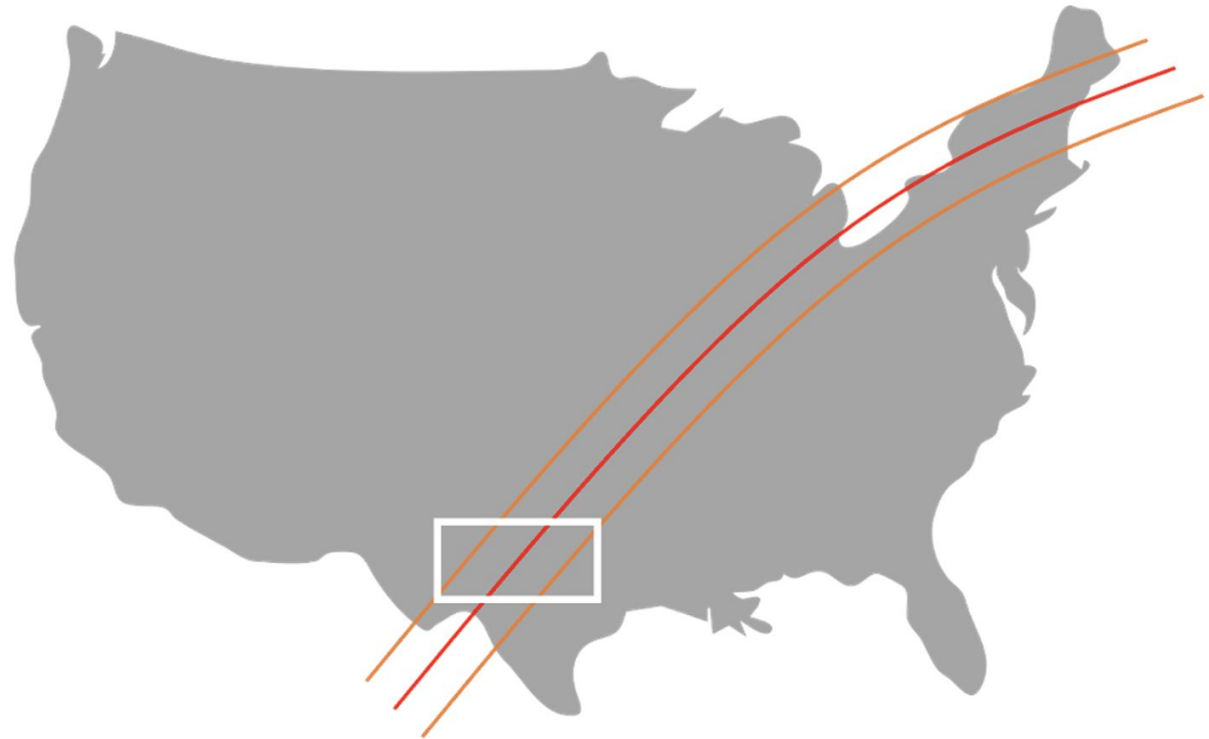
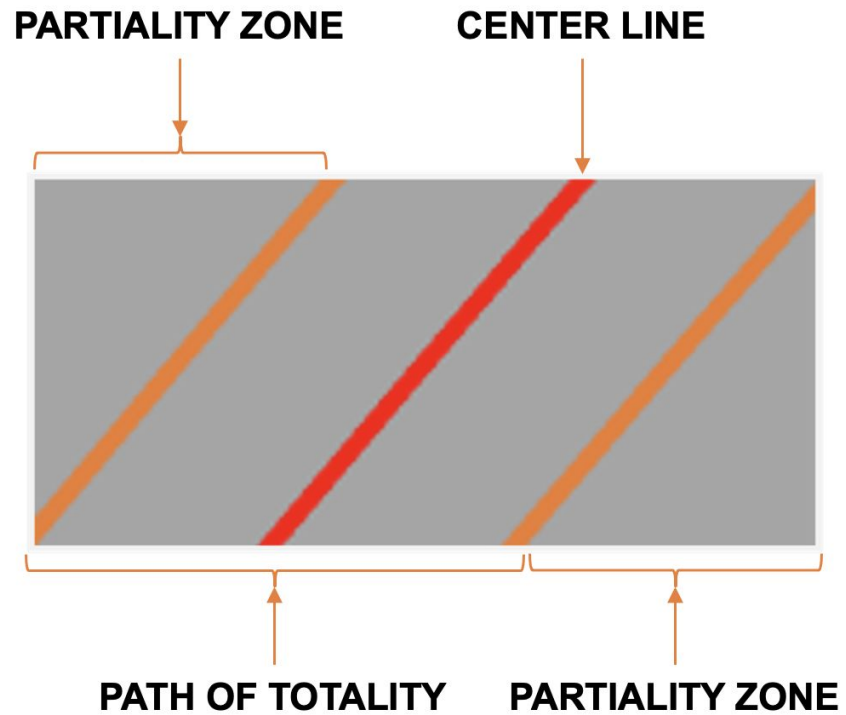
End of Totality
2nd Partial Phase Begins
Moon Starts Uncovering Sun

FOURTH CONTACT



End of Eclipse
End of 2nd Partial Phase
Moon Fully Uncovers Sun

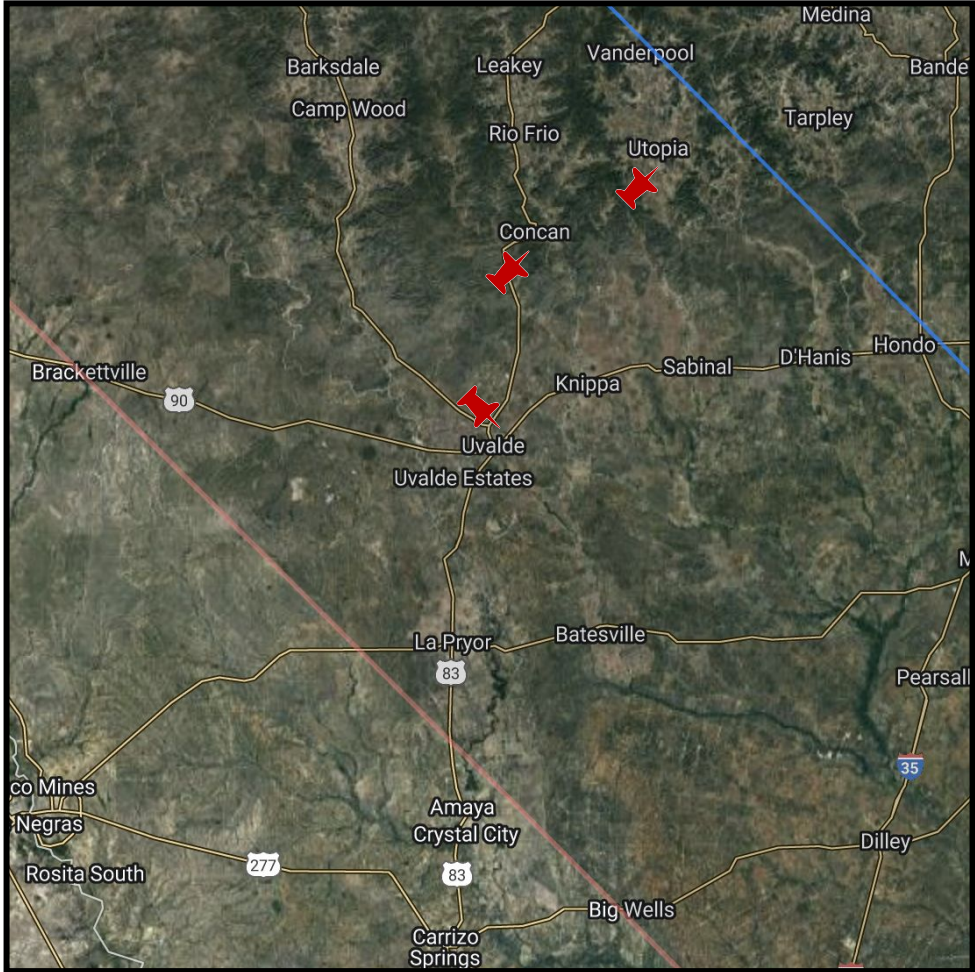
Path of an Eclipse



Annular Solar Eclipse October 14, 2023



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html

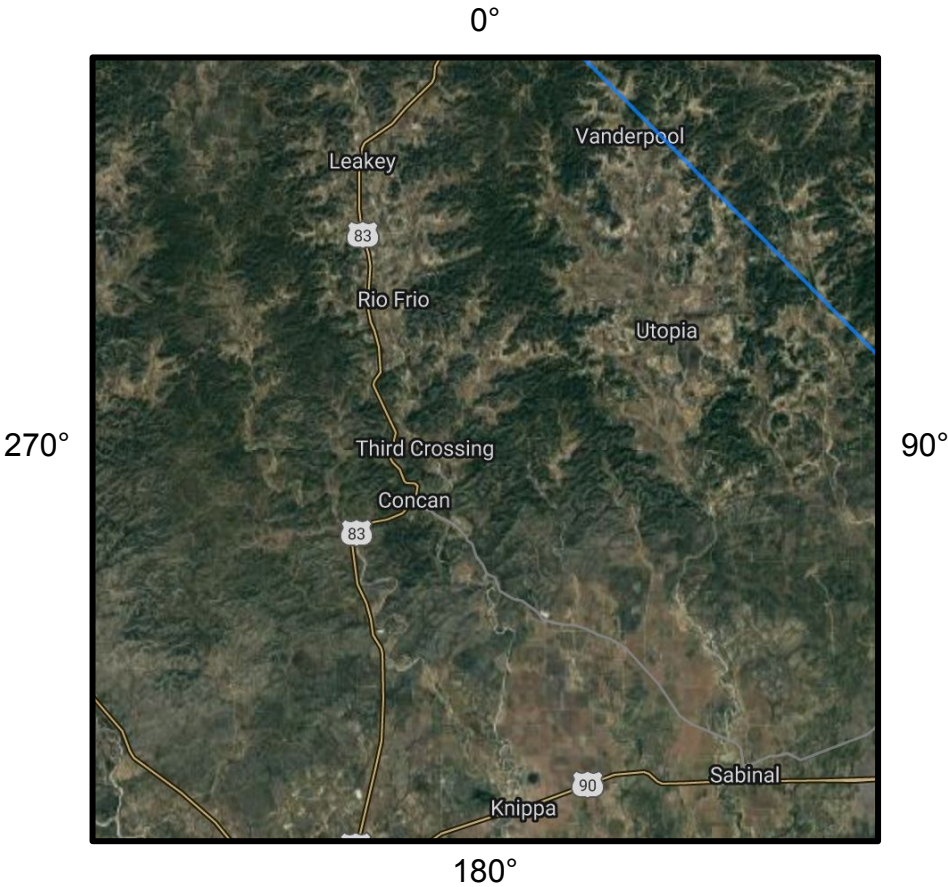
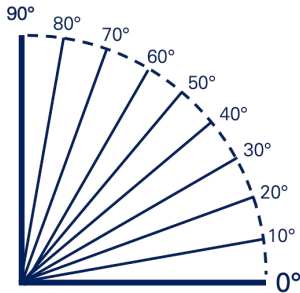
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Annular Solar Eclipse – Concan

October 14, 2023

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 10:22:31 AM | 123.3° | 32.2° |
| 2 nd Contact | 11:49:56 AM | 145.1° | 45.9° |
| Maximum | 11:52:18 AM | 145.8° | 46.2° |
| 3 rd Contact | 11:54:39 AM | 146.5° | 46.5° |
| 4 th Contact | 1:30:34 PM | 182.3° | 52.2° |

| | |
|------------------|--------|
| Eclipse Duration | 3h 8m |
| Annularity | 4m 43s |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html

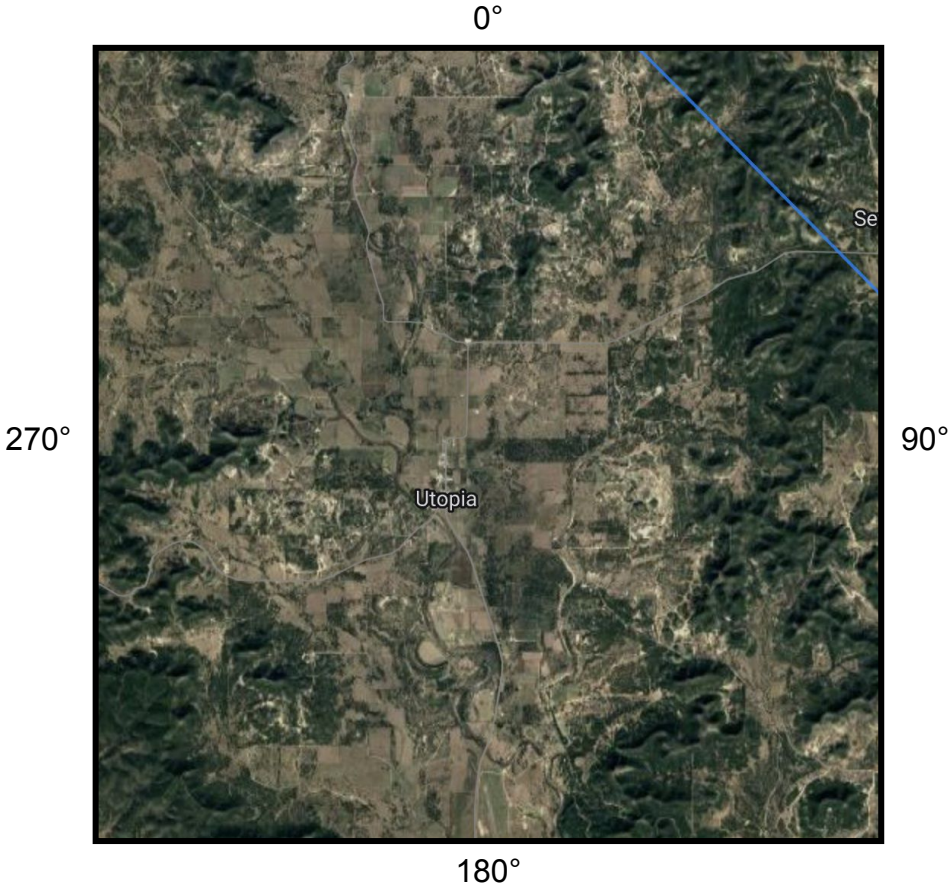
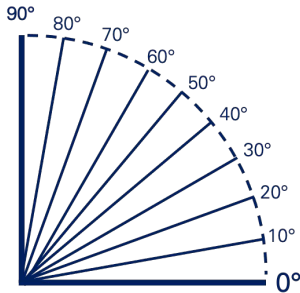
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Annular Solar Eclipse – Utopia

October 14, 2023

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 10:22:37 AM | 123.6° | 32.3° |
| 2 nd Contact | 11:49:58 AM | 145.4° | 45.9° |
| Maximum | 11:52:27 AM | 146.2° | 46.2° |
| 3 rd Contact | 11:54:56 AM | 146.9° | 46.5° |
| 4 th Contact | 1:30:44 PM | 182.7° | 52.1° |

| | |
|------------------|--------|
| Eclipse Duration | 3h 8m |
| Annularity | 4m 58s |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html

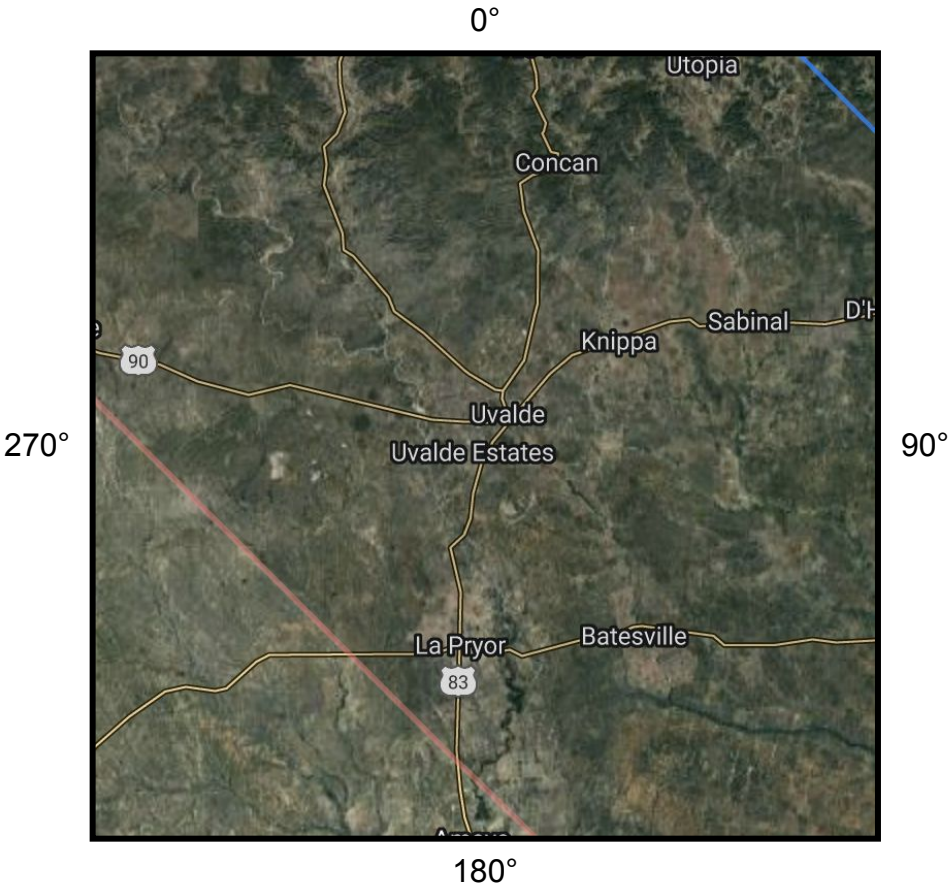
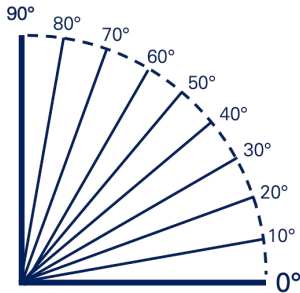
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Annular Solar Eclipse – Uvalde

October 14, 2023

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 10:22:42 AM | 123.2° | 32.3° |
| 2 nd Contact | 11:50:36 AM | 145.0° | 46.2° |
| Maximum | 11:52:34 AM | 145.6° | 46.4° |
| 3 rd Contact | 11:54:32 AM | 146.3° | 46.7° |
| 4 th Contact | 1:30:58 PM | 182.4° | 52.5° |

| | |
|------------------|--------|
| Eclipse Duration | 3h 8m |
| Annularity | 3m 55s |

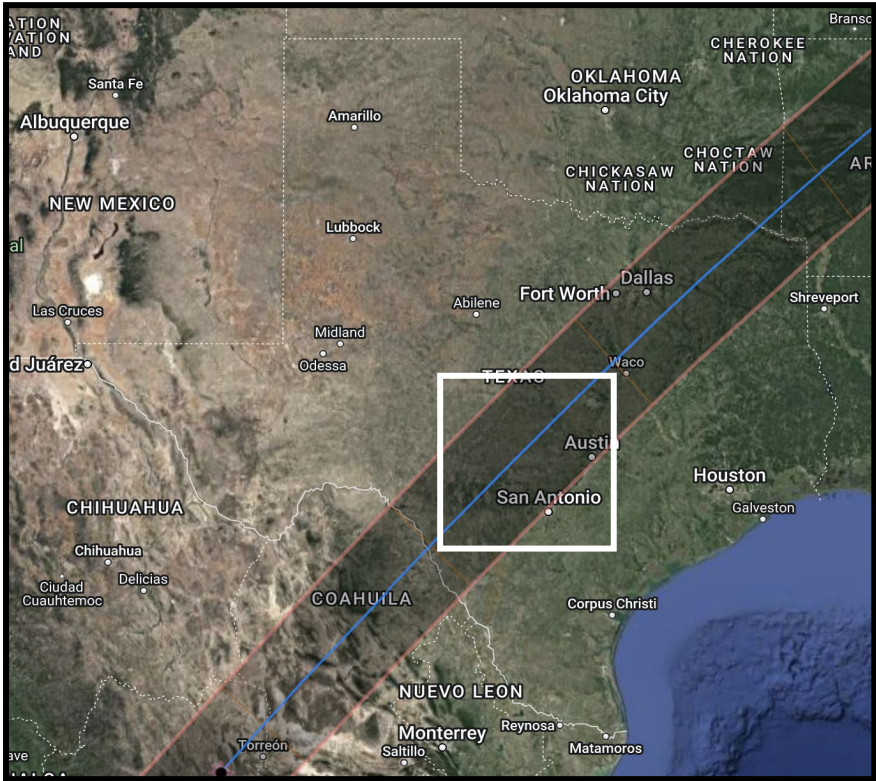


Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/ASE_2023_GoogleMapFull.html

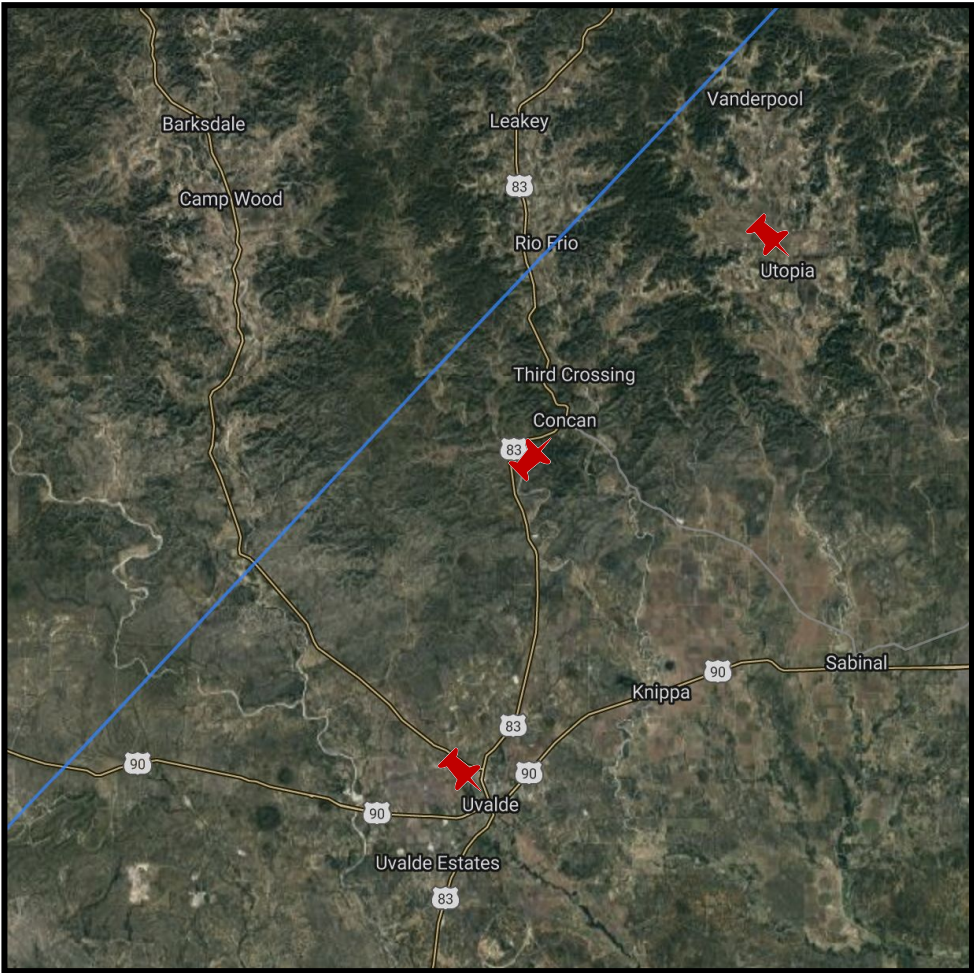
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Total Solar Eclipse

April 8, 2024



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html

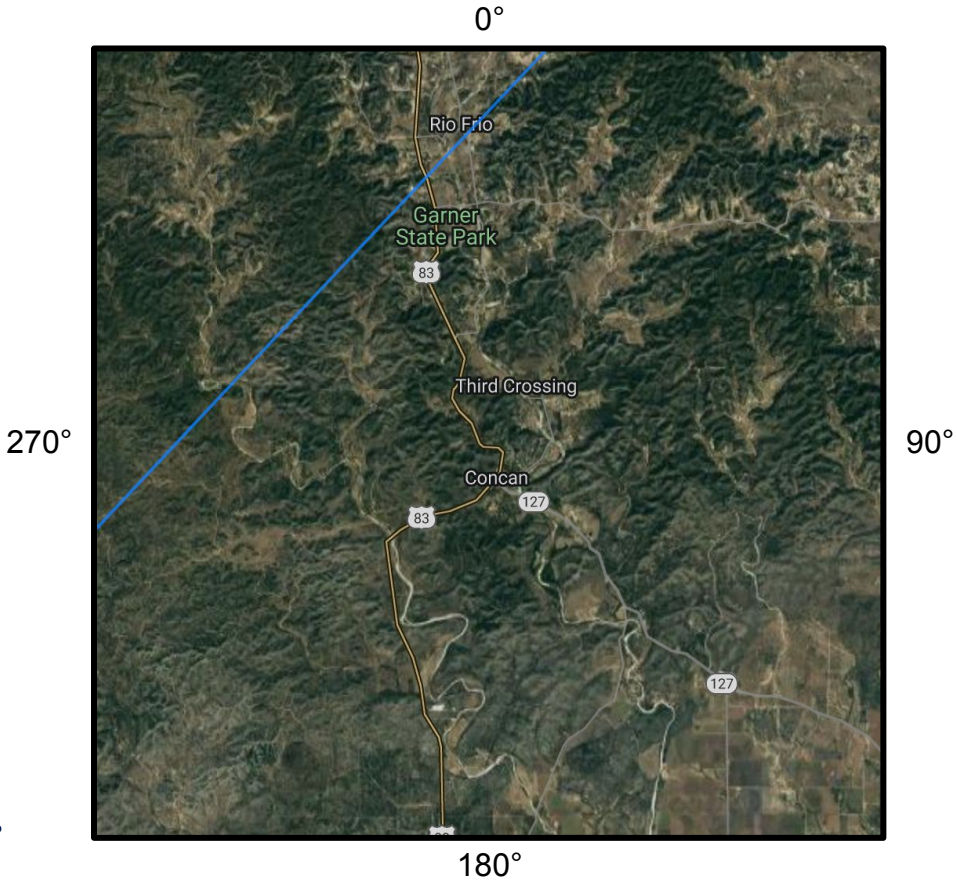
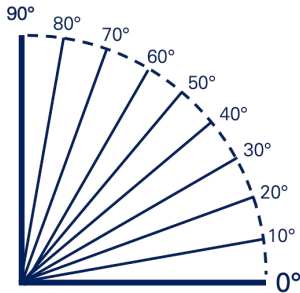
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Total Solar Eclipse – Concan

April 8, 2024

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 12:12:53 PM | 132.4° | 59.9° |
| 2 nd Contact | 1:30:13 PM | 173.2° | 68.0° |
| Maximum | 1:32:25 PM | 174.6° | 68.0° |
| 3 rd Contact | 1:34:38 PM | 176.1° | 68.0° |
| 4 th Contact | 2:53:50 PM | 221.9° | 62.1° |

| | |
|------------------|--------|
| Eclipse Duration | 2h 40m |
| Totality | 4m 24s |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html

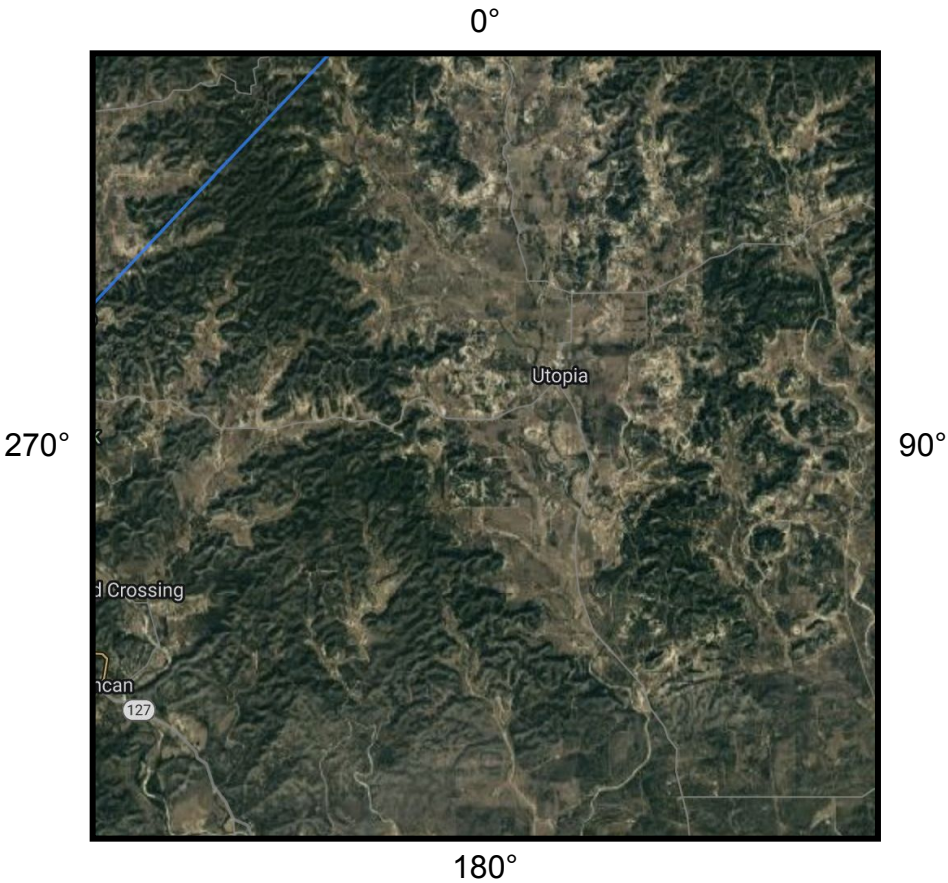
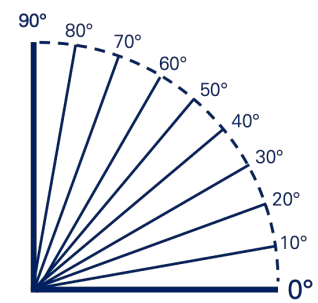
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Total Solar Eclipse – Utopia

April 8, 2024

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 12:13:22 PM | 131.1° | 60.0° |
| 2 nd Contact | 1:30:45 PM | 174.1° | 67.9° |
| Maximum | 1:32:56 PM | 175.5° | 67.9° |
| 3 rd Contact | 1:35:08 PM | 177.0° | 68.0° |
| 4 th Contact | 2:54:19 PM | 222.3° | 61.9° |

| | |
|------------------|--------|
| Eclipse Duration | 2h 40m |
| Totality | 4m 22s |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html

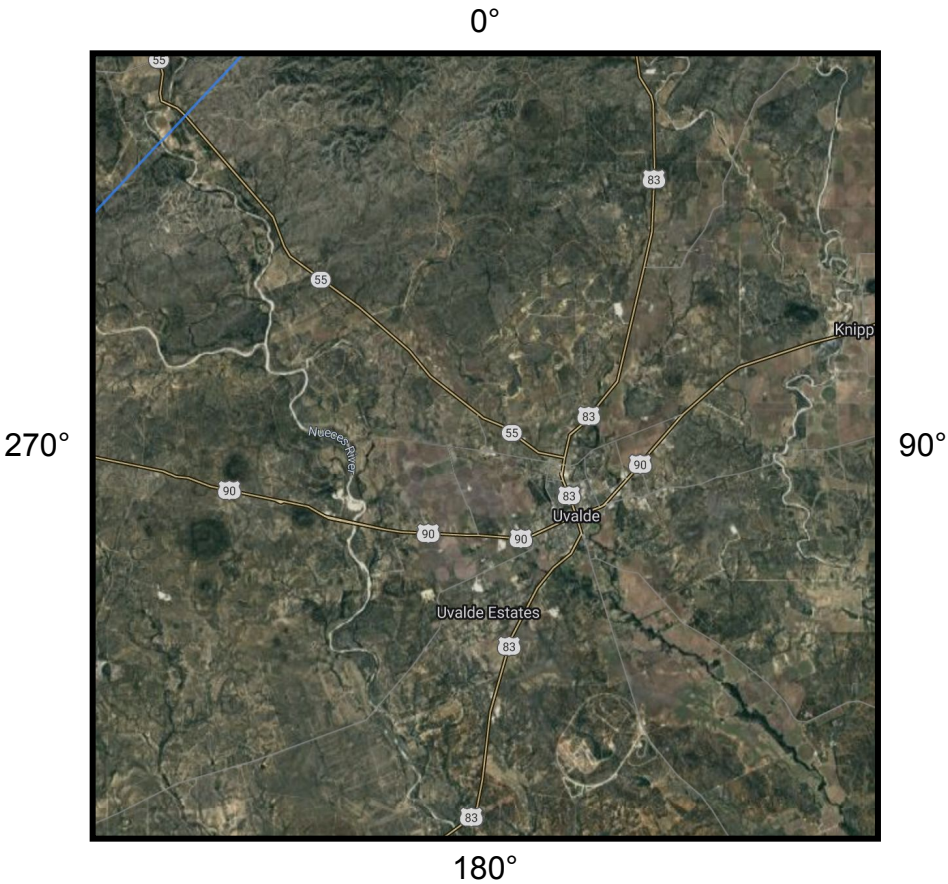
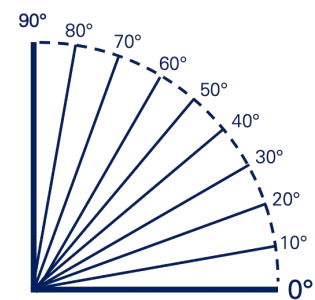
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Total Solar Eclipse – Uvalde

April 8, 2024

| EVENT | TIME | AZIMUTH | ALTITUDE |
|-------------------------|-------------|---------|----------|
| 1 st Contact | 12:12:13 PM | 131.7° | 60.0° |
| 2 nd Contact | 1:29:41 PM | 172.6° | 68.2° |
| Maximum | 1:31:48 PM | 174.0° | 68.3° |
| 3 rd Contact | 1:33:56 PM | 175.4° | 68.3° |
| 4 th Contact | 2:53:19 PM | 221.9° | 62.5° |

| | |
|------------------|--------|
| Eclipse Duration | 2h 41m |
| Totality | 4m 15s |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2024_GoogleMapFull.html

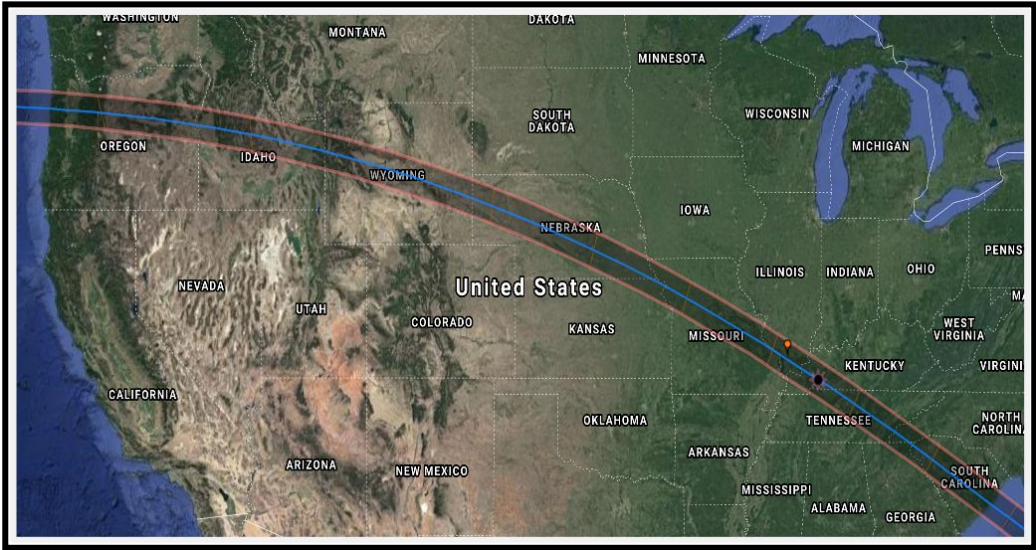
Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Total Solar Eclipse

August 21, 2017

| CITY/COUNTY | STATE | POPULATION | VISITOR EST. |
|-------------------|-------|------------|--------------|
| City of Madras | OR | 7,456 | 100,000 |
| Cook County | OR | 21,580 | 30,000 |
| City of Fruitland | ID | 6,027 | 70,000 |
| Jefferson County | ID | 26,139 | 130,000 |
| City of Beatrice | NE | 12,270 | 12,000+ |
| City of Athens | TN | 14,084 | 25,500 |

| | |
|-----------------------------|--------|
| County of Uvalde Population | 24,729 |
| City of Concan Population | 200 |
| City of Utopia Population | 227 |
| City of Uvalde Population | 15,312 |



Map data ©2022 Google, INEGI Imagery ©2022 NASA, TerraMetrics,
http://xjubier.free.fr/en/site_pages/solar_eclipses/TSE_2017_GoogleMapFull.html

Opportunities and Achievements

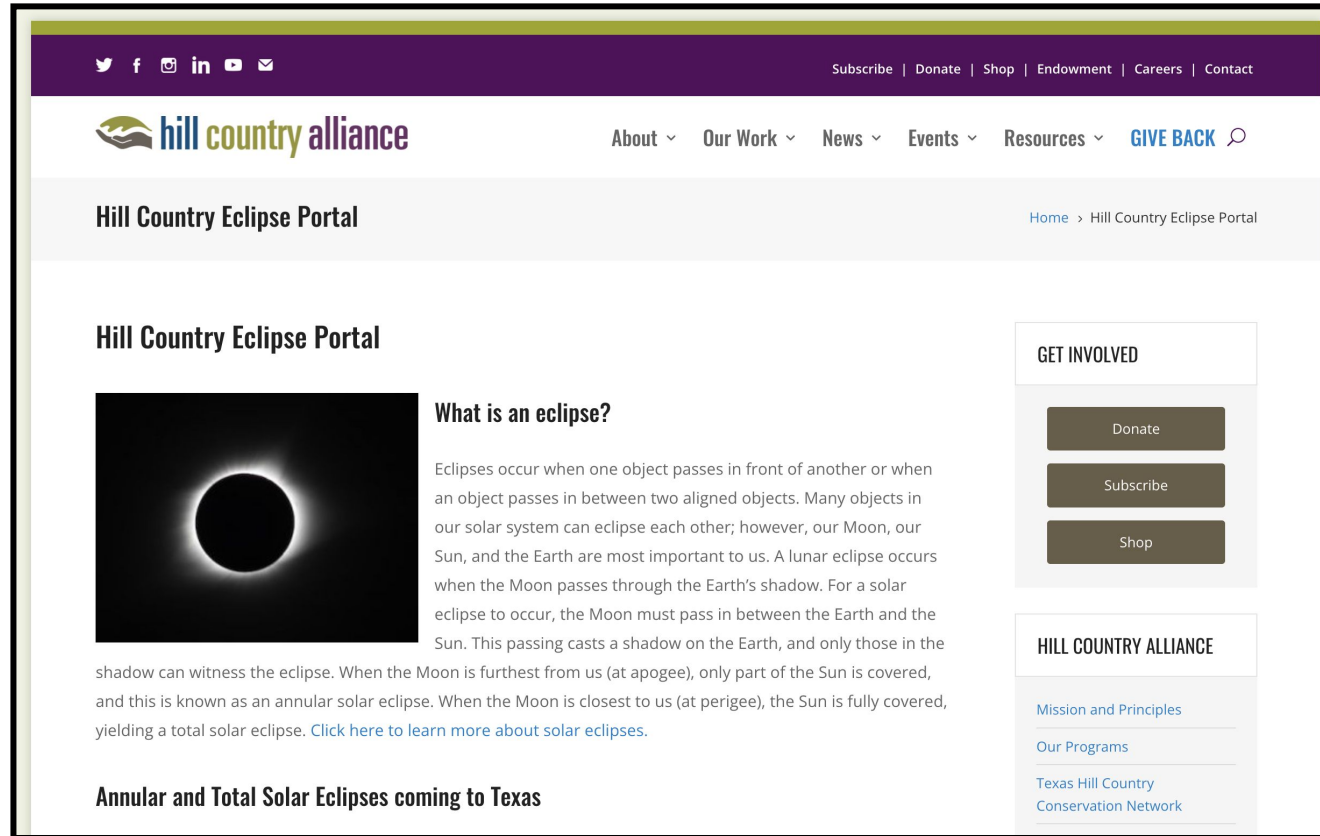


Uncertainties and Challenges



Hill Country Eclipse Portal

Eclipses Across Texas



Hill Country Eclipse Portal Resources



Eclipse Resources

County Eclipse Websites

[Blanco County and Blanco County Facebook Page](#)
[City of Kempner](#)
[Fredericksburg Convention and Visitors Bureau](#)
[Hondo Chamber of Commerce](#)
[Kerrville Convention & Visitors Bureau](#)
[Uvalde County](#)

Documents and Guides

[Anatomy of a Total and Annular Solar Eclipse](#)
[City of Fredericksburg – Eclipse Meeting Agenda and Notes](#)
[Eclipse Central – Public Management Article \(Dec 2017\)](#)
[Eclipse Information – Carbondale, IL](#)
[Eclipse Partner Guide](#)
[Russo-White-Paper-Community-Eclipse-Planning-Second-Edition](#)
[Russo-White-Paper-Community-Eclipse-Planning](#)
[Solar and Solar Eclipse Glossary](#)
[State of Idaho – 2017 Eclipse Community Planning White Paper](#)

Helpful Links

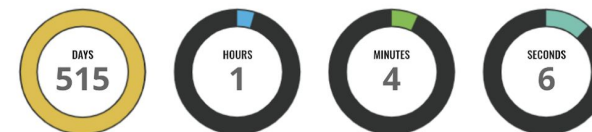
[American Astronomical Society](#)
[American Solar Eclipse Company](#)
[Interactive Google Map – Eclipse 2023](#)
[Interactive Google Map – Eclipse 2024](#)
[Great American Eclipse](#)

Round Table Meetings

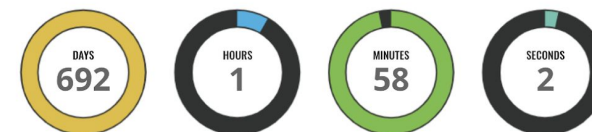
January 2022 Round Table Meeting – Recording: [Taskforce Check-In](#), Documents: [Agenda](#) and [Minutes](#)
September 2021 Round Table Meeting [A Personal Perspective on Eclipse Viewing](#)
June 2021 Round Table Meeting [Lessons Learned from Carbondale, Illinois 2017](#)
March 2021 Roundtable Meeting [Taskforce Check In](#)
October 2020 Roundtable Meeting [Solar Eclipses Over South Texas – Dr. Angela Speck, UT San Antonio](#)

Countdown with us!

2023 Annular Solar Eclipse Countdown



2024 Total Solar Eclipse Countdown



Hill Country Eclipse Portal

Eclipse Partners



ECLIPSE PARTNERS

City and County Services: city services will play critical roles in both publicizing the eclipse events and preparing for the influx of visitors

- Animal Control
- Chamber of Commerce
- City Council
- City Hall/Office of the Mayor
- Commissioners Court
- Parks and Recreation

Commerce: the anticipated increase in visitors to the hill country can mean a higher than average volume of local business patronage. Expect a shortage of fuel and groceries and increased usage of ATMs. Eclipses are unique events and can confuse wild and domesticated animals when nearing the period of totality (during first and second contact), at totality, and following totality (during third to fourth contact).

- Animal Kennels/Animal Shelters
- Banks/Credit Unions
- Business Associations
- Gas Stations/Automobile Repair
- Grocery Stores/Convenience Stores
- Local Retailers/Chain Businesses
- Parking Facilities

Education: education facilities are encouraged to educate their students and patrons on eclipses and safe solar viewing. Due to the 2024 eclipse occurring on a Monday and in the early afternoon, school districts may want to consider an alternative schedule to alleviate strain on bus schedules and regional traffic.

- Independent School Districts
- Institution of Higher Learning
- Libraries

Emergency Management: the anticipated increase in visitors to the hill country can mean a higher than average volume of incidents. Some entities may just need a heads up to the upcoming events; the involvement of others will be heavier during the days before, during, and after the eclipses.

- Fire Department
- Health Department
- Hospitals/Clinics
- Office of Emergency Management/Emergency Management Services
- Police Department

Hill Country Alliance | 1322 HWY 290 W Suite D, Dripping Springs TX 78620 | 512.894.2214 | info@hillcountryalliance.org



Hospitality/Recreation: expect booking of most lodging accommodations to begin soon if not already in progress. Activities and entertainment following the eclipses will help to ease traffic flow and stagger departures from the area. Food and beverage businesses may consider limited menus during the eclipse events to accommodate increased patronage.

- Community Centers
- Hotels/Motels
- Restaurants/Bars/Cafes/Caterers
- RV Parks/Camp Facilities
- State Parks
- Entertainment
- Vacation Rentals/Air B&Bs

Media: due to the nature of these two events, getting the word out means relying heavily on local and regional media. Leading up to the eclipses, keep in communication with your news outlets, informing them of scheduled festivals, activities, road route changes/detours, and general education about these two events.

- Magazines
- News Stations
- Newspapers
- Radio Stations

Residents: residents may not be aware of these two eclipse events and how drastically they will impact where they live. Use your city and county services, local media, and educational facilities to inform them accordingly. Private landowners may open their space to visitors as camping and lodging grounds or as eclipse viewing areas. This may be a challenge for traffic flow and waste management.

- Private Land Owners/Residents
- Retirement Facilities/Senior Centers

Transportation: not all visitors to the hill country will be driving to their eclipse viewing destinations. Some will come to the region via plane, train, and bus, putting a possible strain on vehicle rental facilities, transportation services, and rideshares. Traffic during these event times may lead to delays of busses, trains, and other vehicles that adhere to specific routes and timetables.

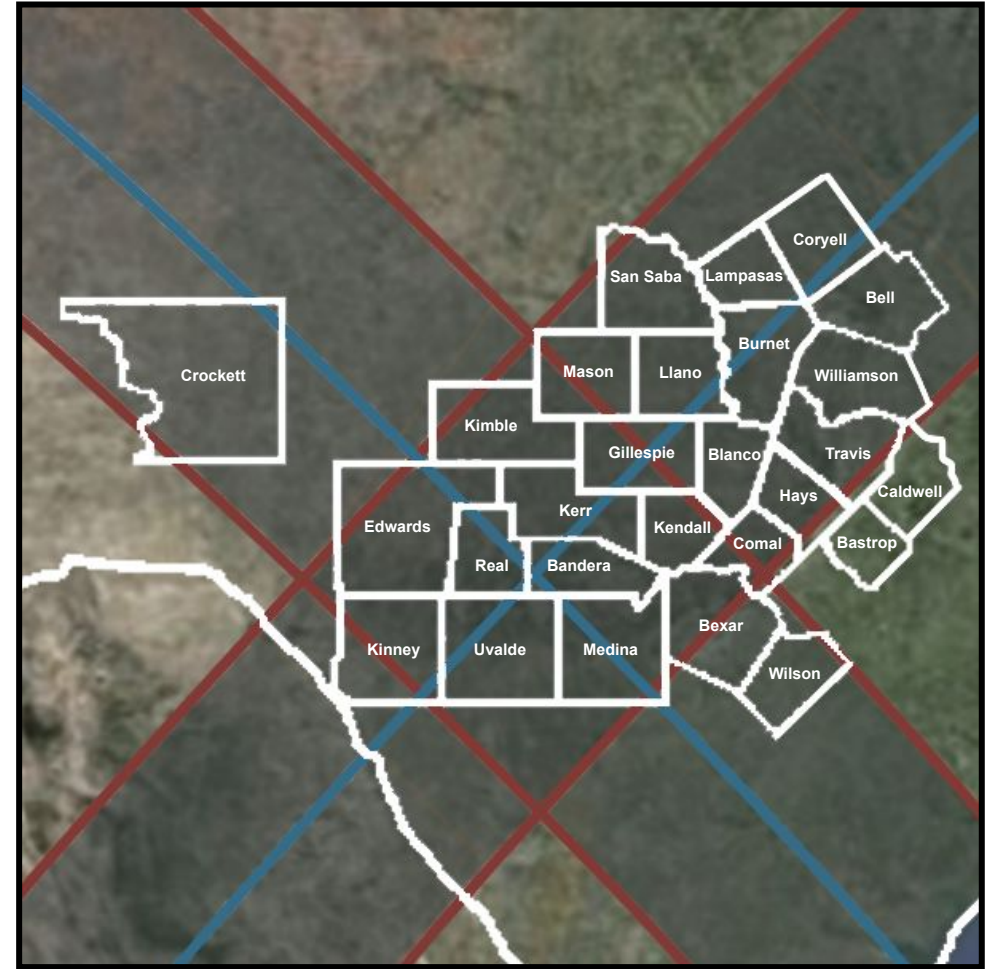
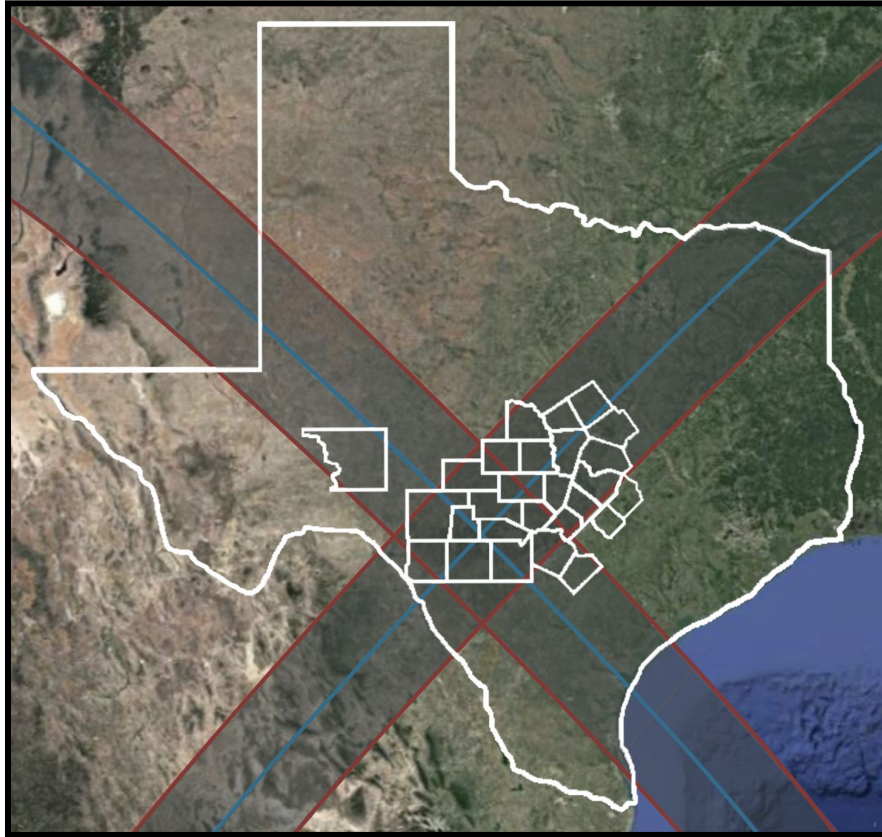
- Airports
- Buses
- Train Stations
- Texas Department of Transportation
- Vehicle Rentals/Transportation Services

Utilities: expect the anticipated volume of visitors to strain the electrical grid, water use, and waste services. Consider adding extra water stations and portable restrooms at event sites.

- Electrical Cooperatives
- Waste Management
- Water Districts

Hill Country Alliance | 1322 HWY 290 W Suite D, Dripping Springs TX 78620 | 512.894.2214 | info@hillcountryalliance.org

Hill Country Eclipse Team Regional Representation



American Astronomical Society

Solar Eclipse Across America

Eclipse America

- What, where, why, and how

Eye Safety

- Safe practices, methods, and vetted vendors

Imaging & Video

- How to, and royalty-free images & videos

Resources

- Apps, software, books, calculators, websites...

Solar Eclipse Task Force

- Charter, members, liaisons, and working groups

Planning Workshops

- Upcoming events and past workshop recordings



Hill Country in the Path of Totality
Meeting/Event Name – Meeting/Event Date

Meeting and Workshop Calendar 2022 - 2024

| DATE | HOST | TOPIC | LOCATION |
|-----------------------|------|--|-------------------|
| October 18, 2022 | HCA | Round Table Meeting – Committees & 1 Year to Annular Solar Eclipse | Virtual/Zoom |
| October 21 –22, 2022 | AAS | AAS Solar Eclipse Planning Workshop | Rochester, NY |
| January 17, 2023 | HCA | Round Table Meeting - Event Planning & Programming | Virtual/Zoom |
| Spring 2023 | AAS | AAS Solar Eclipse Planning Workshop | Cleveland, OH |
| April 18, 2023 | HCA | Round Table Meeting - 1 Year Countdown to 2024 Total Solar Eclipse | Virtual/Zoom |
| July 18, 2023 | HCA | Round Table Meeting - TBD | Virtual/Zoom |
| October 17, 2023 | HCA | Round Table Meeting - Annular Solar Eclipse Review | Virtual/Zoom |
| October 27 – 28, 2023 | AAS | AAS Solar Eclipse Planning Workshop | Bretton Woods, NH |
| January 6 –7, 2024 | AAS | AAS Annual Meeting & Solar Eclipse Planning Workshop | New Orleans, LA |
| January 16, 2024 | HCA | Round Table Meeting – Final Preparations | Virtual/Zoom |
| April 16, 2024 | HCA | Round Table Meeting - Total Solar Eclipse Review | Virtual/Zoom |

Thank you.

Eclipse Website

Presenter Name

Presenter Email

Presenter Phone Number