

“Even the Sun appeared hideous, so that scarcely a third part of it gave light, I believe on account of such deeds of wickedness and the shedding of innocent blood.”

Gregorius Turonensis
Solar eclipse of 24 February AD 453,
when Attila the Hun was raiding Italy

A glowing yellow circle is centered on a black background. Inside the circle, the text "4.8.24" is written in a white, serif font.

4.8.24



**The question is not where the
camera is located but rather
where you are located**

THE GREAT TEXAS SOLAR ECLIPSE

APRIL 8, 2024



4.8.24



HISTORICAL CHANCE OF CLOUDS

APRIL 8, 2024

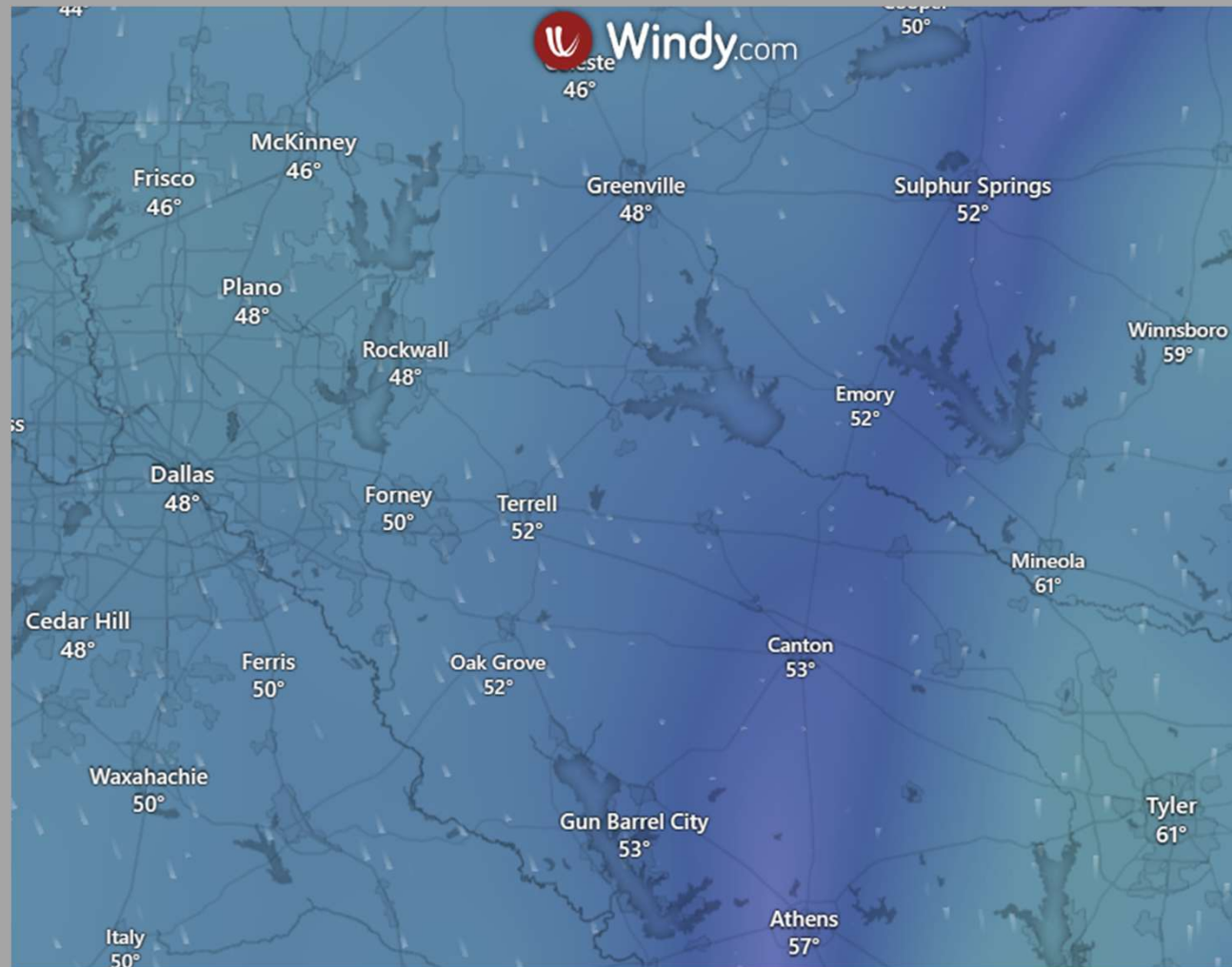
CLOUD COVER

High
Medium
Low

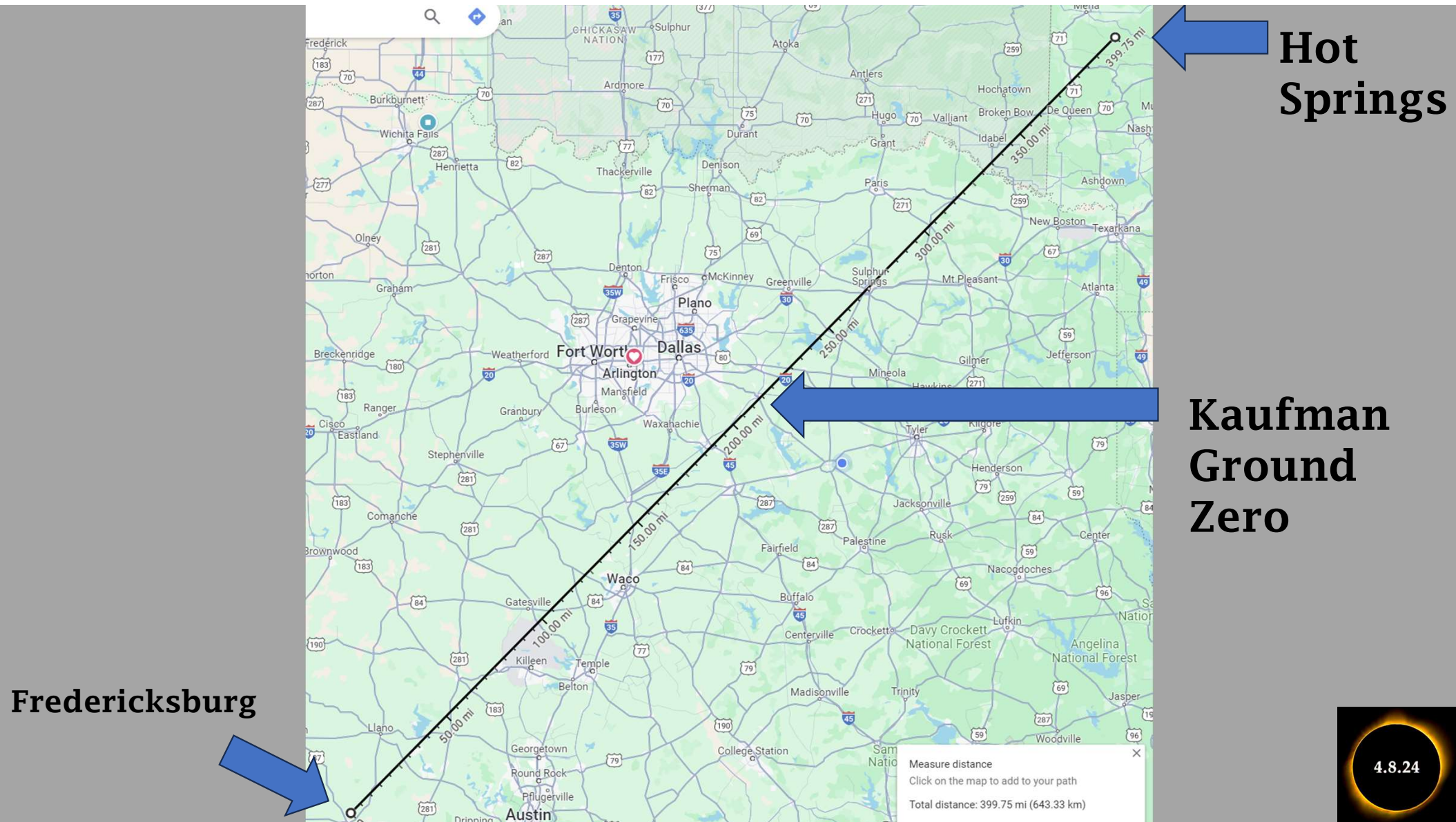
ECLIPSE PATH OF TOTALITY



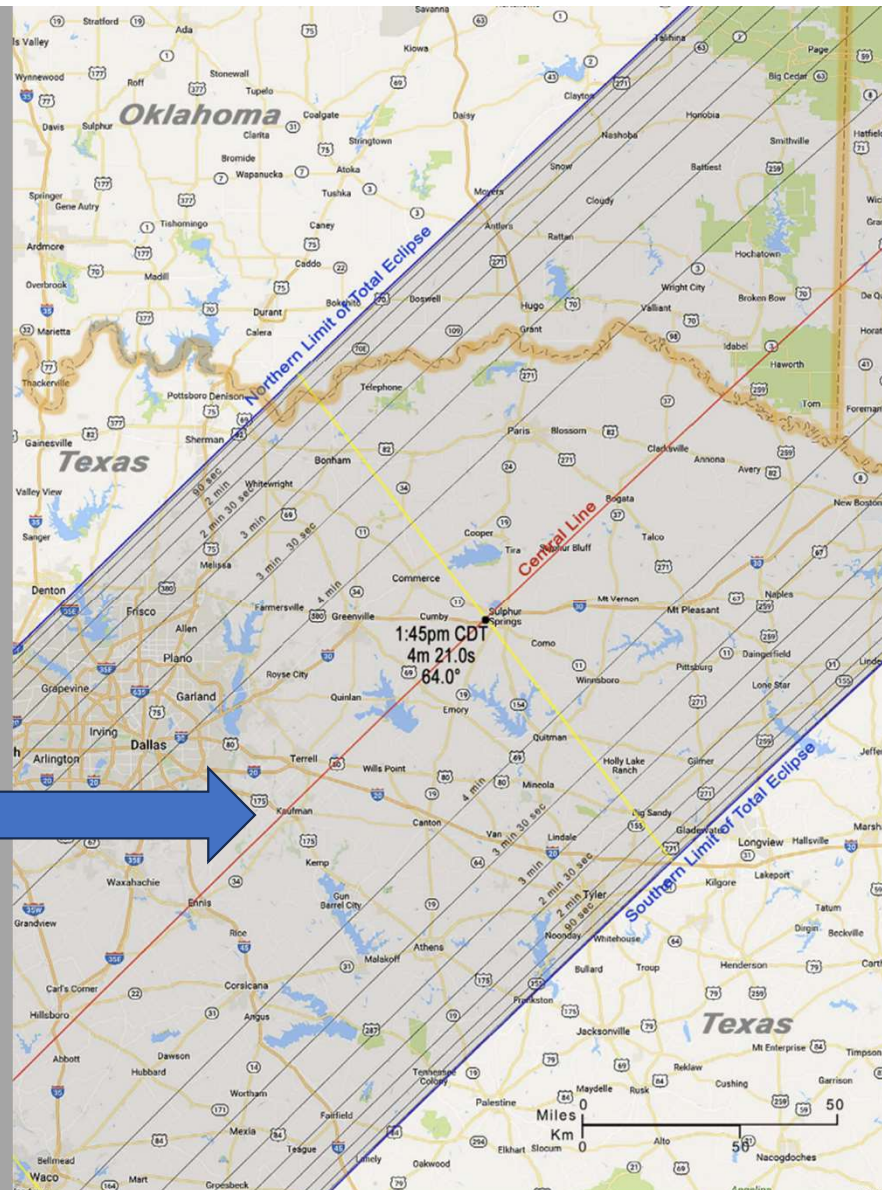
Wind Matters

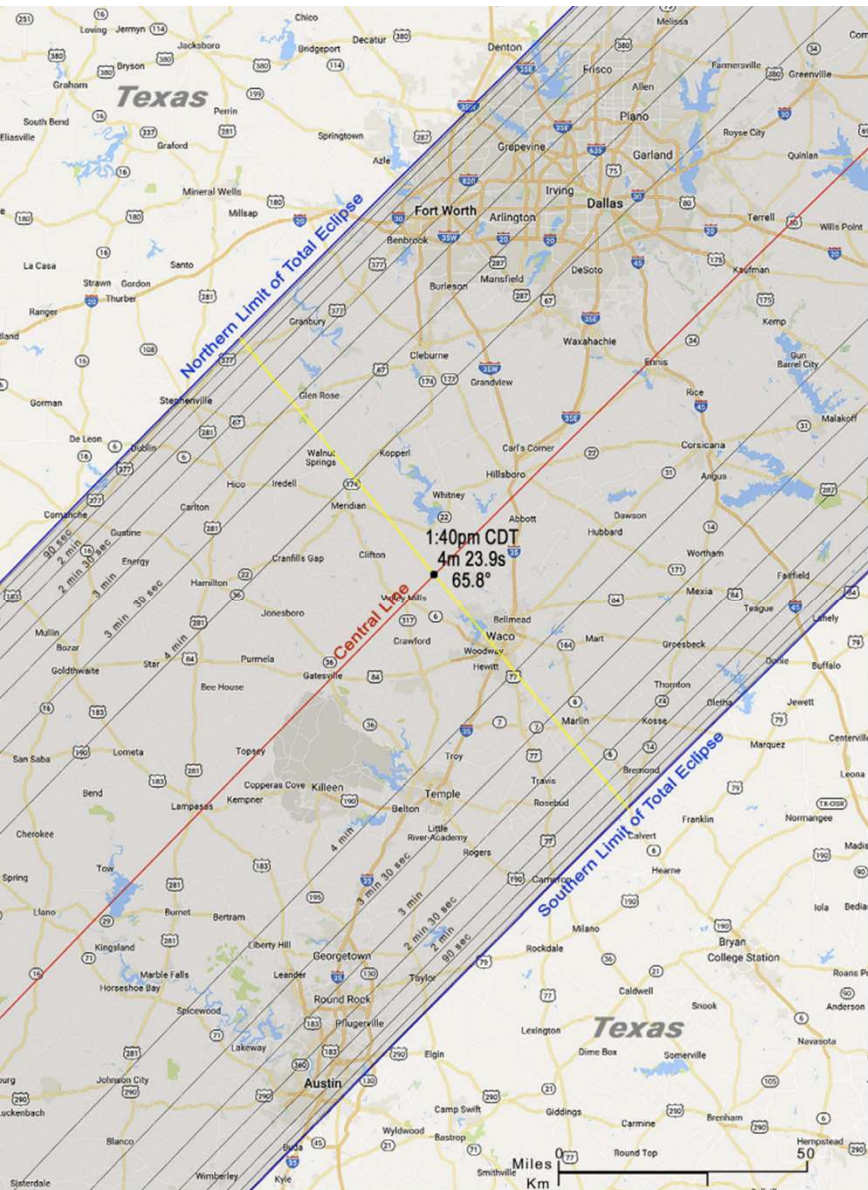


Understand the Length



Kaufman
Ground Zero

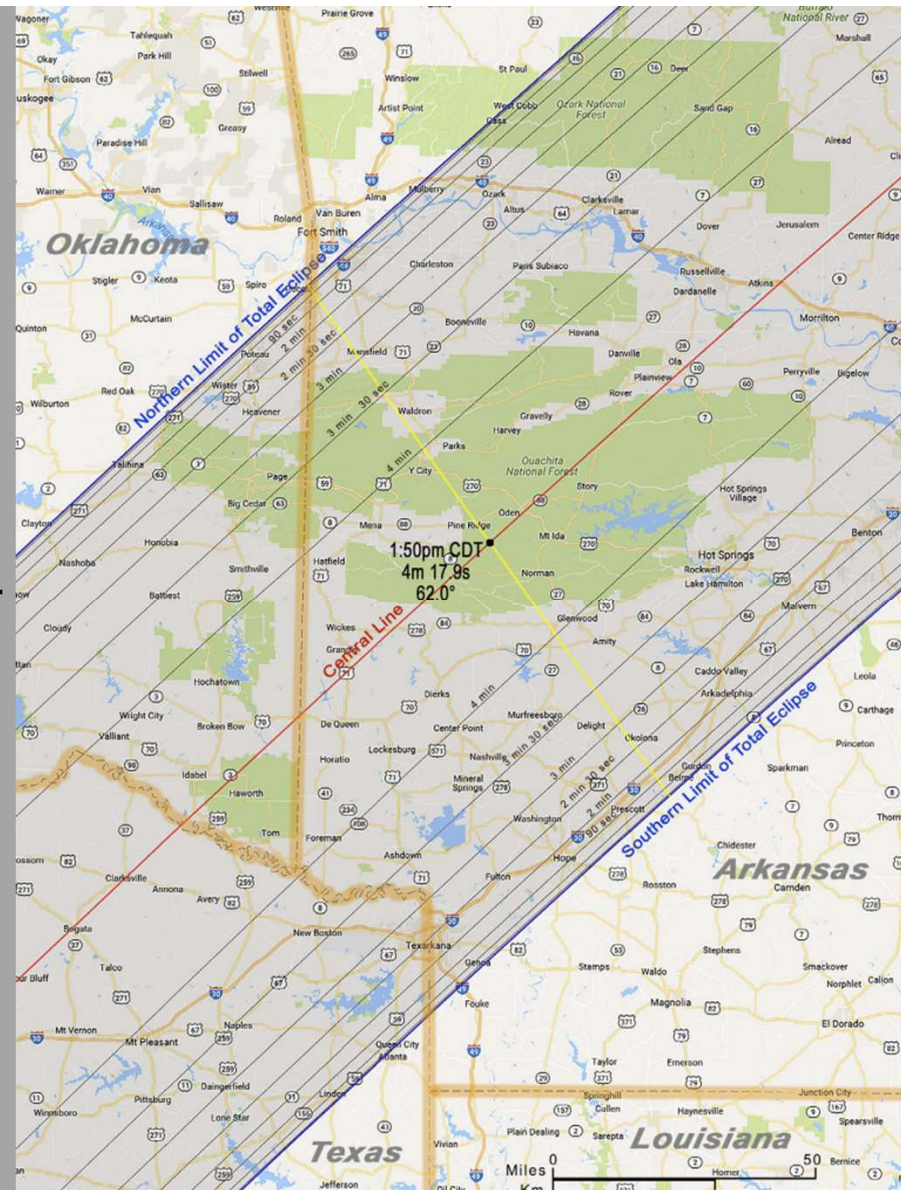




S W

Kaufman
Ground
Zero

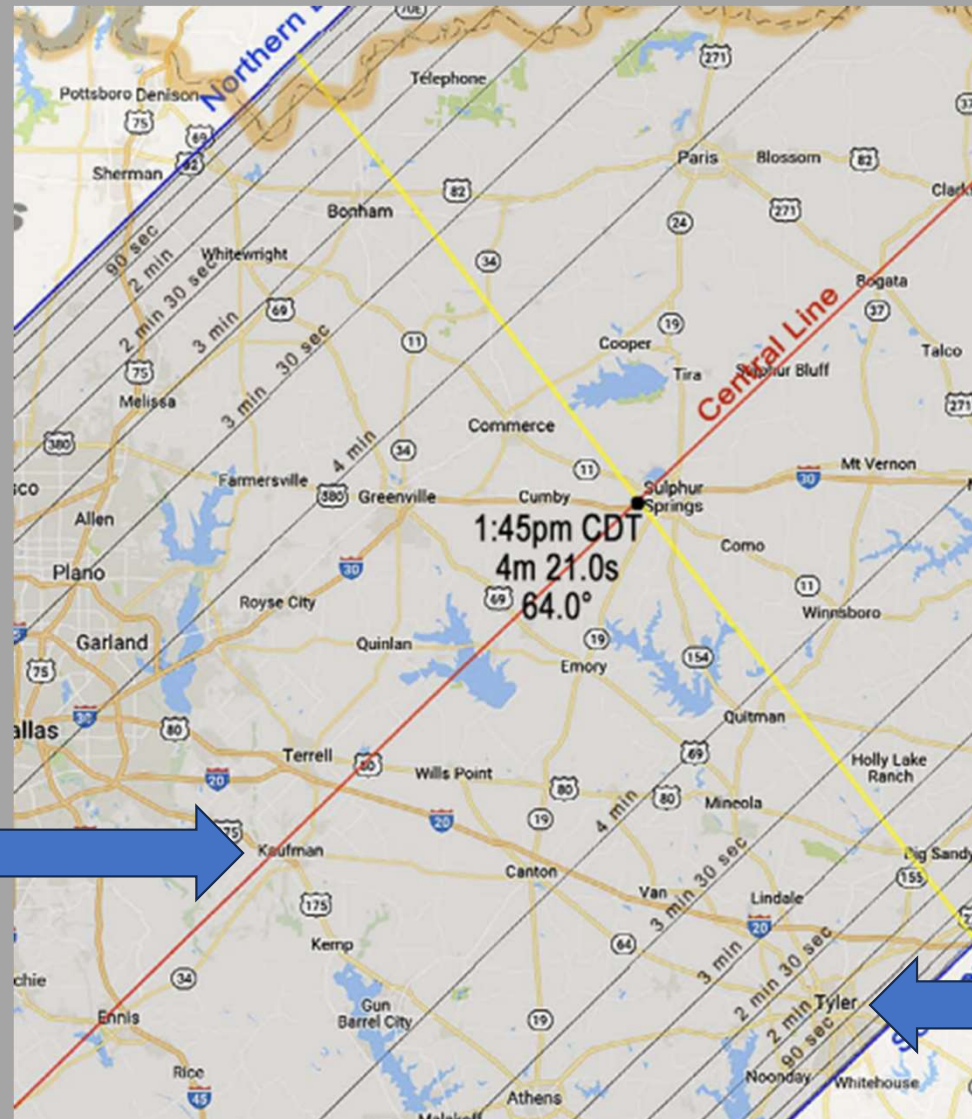
NE



**Now,
Understand the width**

**55 miles from
central line**

4m 21s



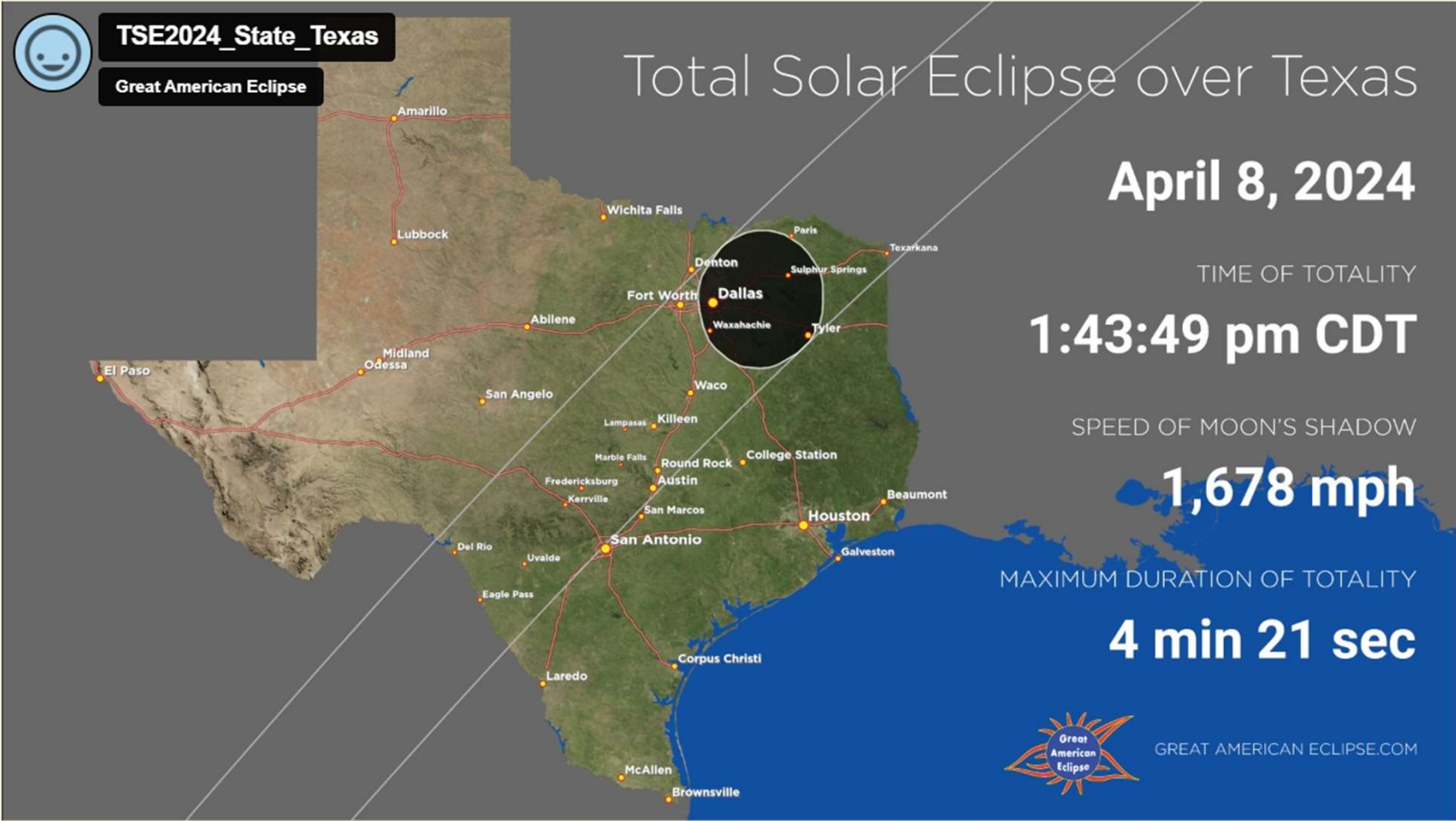
Tyler
- 90s

4.8.24

Time Matters

Location	Partial Begins	Totality Begins	Maximum	Totality Ends	Partial Ends
Dallas	12:23	1:40	1:42	1:44	3:02

Total Solar Eclipse in Texas



SOUTHCENTRAL UNITED STATES

PATH OF TOTALITY

TOTAL SOLAR ECLIPSE OF APRIL 8, 2024

4.8.24

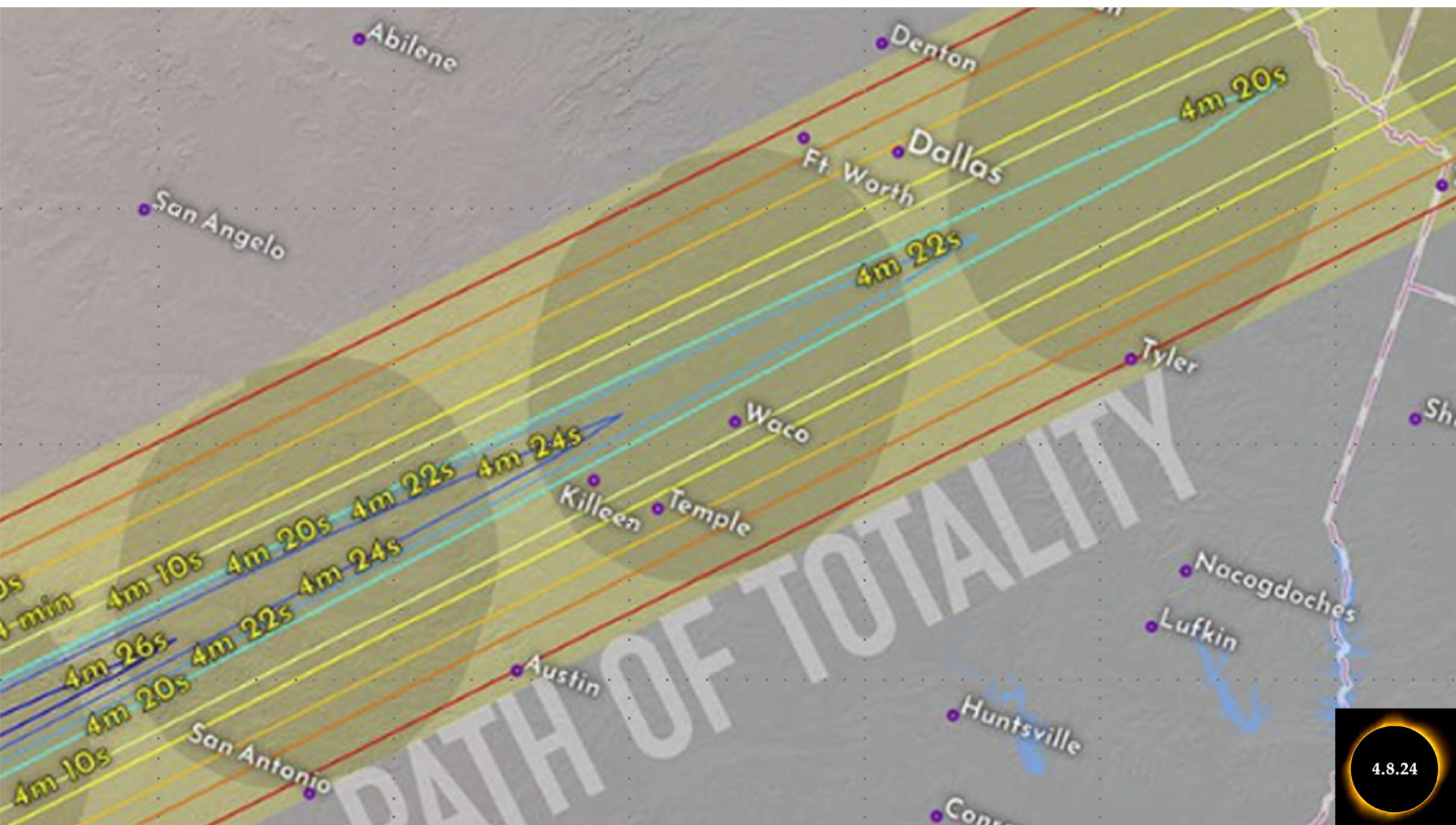
SOUTHCENTRAL UNITED STATES

PATH OF TOTALITY

TOTAL SOLAR ECLIPSE OF APRIL 8, 2024

4.8.24

4.8.24



Equipment Needed

Photography Equipment
Travel Check List

Last Revision 1/24/2024

Shoot/File Name:
Trip:
Date of Trip:

Need physical maps because of lack of cellular
Maps:

Did Not Use (DNU)

Order Tickets:
Print Tickets:
Media Badge:
Media Badge Lanyard:

	Description/Qty		Description/Qty
Tripod	Tripod (Manfrotto)	Camera Batteries (CB)	
	Tripod (Manfrotto)	CB Recharged?	Y/N
	Tripod (MeFoto)	CB Batteries Charger	Charger
	Tripod (MeFoto)	Flash Batteries (FB)	
	Monopod (Manfrotto)	FB Recharged?	Y/N
	Monopod (Benro)	FB Batteries Charger	Charger
	Car seat		
	Window - Center Console		
	Mini Tripod		
	Gimbal Head (Movo)		
Equipment	Arma-Swiss Head (Oben)	Business cards	
	Long Lens Extension	Igloo	
	Heavy Head (Newer)	Lens cleaning packets	
	Phone Head (Smaller)	Lens cleaning kit	
	Tripod Kit	Rocket Blower	
	Bean Bag	Photo Jacket (Orvis)	
	L-Bracket	Photo Jacket (Sunner)	
	Remote Shutter	Walking Stick	9/16
	TW-283 Pivel	Glass Ball	
	TW-283 Pivel	Gray card	
Reset (Initial Set)	D850	Sheet (Gray/White/Both)	
	Dual Chips Formatted	Handdryer	Main Bag
	Yes	Spray Water Bottle	Igloo
	Aperture/5.6		
	Mode		
	Auto A1		
	Exposure		
	HDR/BRKT		
	BRKT Off		
	ISO		
Reset (Initial Set)	D7100		
	Dual Chips Formatted		
	Yes		
	Aperture/5.6		
	Mode		
	Auto A1		
	Exposure		
	HDR/BRKT		
	BRKT Off		
	ISO		

Travel Check List

Page 3	Shoot:		0
	Trip:		0
	Date of Trip:	Saturday, January 0, 1900	
Red Wolf	Emergency Key	Verification Required	X
	Tool Kit		9/16
	Step Stool		9/16
	Ladder 8.5ft		9/16
	Kneel Stand		9/16
	Sleeping Bag (RW)		9/16
	Blanket (RW)		9/16
	Towels (RW)		9/16
	Clothing Pole (RW)		9/16
	Travel Pillow		9/16
General	Airline Travel Pillow		9/16
	Glass Break Hatchet	Glove Compartment	9/16
	Emergency Lighting	Portable	
	External Lighting		
	Flashlight-Tower	Small Tower	9/16
	Flashlight-Triangle		
	Night Vision Flashlight	Red (Igloo)	
	Night Vision Flashlight	Battery Backup (PV (Igloo)	
	Sure-Fire Flashlight		
	Headlamp LED	Igloo	
Red Wolf	Loupe	Igloo	
	Deer/Bug Spray	Passenger Door	9/16
	First Aid Kit		9/16
	Antibacterial Wipes	Round	9/16
	Antifog Cloth		9/16
	Toilet Paper	Main Bag	9/16
	Paper Towels	Main Bag	9/16
	Special Shovel	Main Bag	9/16
	Battery Cables	Main Bag	9/16
	Tire Inflation Gauge	Glove Compartment	9/16
General	Farm Tire Jack	Blue Bag	
	Lug Nut Wrench - 4 Way	Blue Bag	
	RW Lug Nut Release	Blue Bag	
	Tire Inflator	Blue Bag	
	Tire Sealant	Blue Bag	
	RW Cooler		
	Lifetime Cooler	(24 HR Pre-cool)	
	Lifetime Cooler	Cooler Shock Bags	
	Storage Cooler		
	Waterman Tool	Glove Compartment	9/16
General	Federal Land Pass	Special Glove Compartment	9/16









Page 2	Shoot:		0
	Trip:		0
	Date of Trip:	Saturday, January 0, 1900	
Lens	Lens (LC 95mm)	200-500 (Landscape)	
	Lens (LC 95mm)	Large Hood	
	Lens (LC 95mm)	Metal Hood	
	Lens (LC 95mm)	Araca Swiss Foot	
	Lens (LC 95mm)	Standard Foot	
	Lens (LC 77mm)	18-300 (DX)	
	Lens (LC 77mm)	70-200 (Landscape)	
	Lens (LC 82mm)	24-70	
	Lens (LC 77mm)	24-120	
	Lens	14-24	
Filters	Lens (LC 67mm)	85mm	
	Lens (LC 58mm)	50mm	
	Lens (LC 77mm)	20mm	
	Lens	2.0 Teleconverter	
	Lens	1.4 Teleconverter	
		12-36 Extension Tubes	
	[No Title]	Strap-on	
	Lens Caps Backup		
	Araca Swiss Saftey	Strap	

Flash	SB-910 Kit		
	SB-600 Kit		
	Godox Kit		
	Light Shield		
	Camera Bracket		
	Bracket Extension Cord		
	Flash Kit		
	Flash Diffuser	Altura	
	Jell-O-Cup		
	X-Backdrop		
Computer	Painter's Tape		
	Gaffer Tape		
	Profoto C1	Portable Light	
	Portable Computer		
	Computer Charger		
	32GB Backup Chip (s)		
	1TB Flash Drive		
	Portable Ext Drive		
	iPhone		
Flash	Phone Charger		
	Phone Backup Battery	Charged?	
	Black Computer Wire Pack		
	Extension Cord		
	Bose Headphones	Charged?	
	Apple Watch		
	Apple Watch Charger		
	Suunto Watch		



**Base
Equipment
Needed**

Which Lens?

			
200mm	400mm	600mm	800mm
			
1000mm	1200mm	1500mm	2000mm

Teleconverter



Things That Go Bump in the Night

Death Penalty: Nitrogen vs Electrocution

Political Choices: Biden or Trump

Photography: Full Frame Camera Set to Crop Sensor

Solar Filters



> 16 Stop

5 **Solid**
Neutral Density Filter





Solar Glasses

Do **Not**!



Camera Settings



PORTRAIT OR LANDSCAPE?



MANUAL OR APERTURE?



Best Practices in Forensic Photography for Organ Coordinators

Best Practice Totality

No Filter

ISO – Native

Aperture – Wide Open

Speed - Bracket

Solar Eclipse Exposure Guide

ISO	f/Number									
25	1.4	2	2.8	4	5.6	8	11	16	22	
50	2	2.8	4	5.6	8	11	16	22	32	
100	2.8	4	5.6	8	11	16	22	32	44	
200	4	5.6	8	11	16	22	32	44	64	
400	5.6	8	11	16	22	32	44	64	88	
800	8	11	16	22	32	44	64	88	128	
1600	11	16	22	32	44	64	88	128	176	

Eclipse Feature	Q	Shutter Speed								
Partial ¹ - 4.0 ND	11	—	—	—	1/4000	1/2000	1/1000	1/500	1/250	1/125
Partial ¹ - 5.0 ND	8	1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30	1/15
Baily's Beads ²	11	—	—	—	1/4000	1/2000	1/1000	1/500	1/250	1/125
Chromosphere	10	—	—	1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60
Prominences	9	—	1/4000	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30
Corona - 0.1 Rs	7	1/2000	1/1000	1/500	1/250	1/125	1/60	1/30	1/15	1/8
Corona - 0.2 Rs ³	5	1/500	1/250	1/125	1/60	1/30	1/15	1/8	1/4	1/2
Corona - 0.5 Rs	3	1/125	1/60	1/30	1/15	1/8	1/4	1/2	1 sec	2 sec
Corona - 1.0 Rs	1	1/30	1/15	1/8	1/4	1/2	1 sec	2 sec	4 sec	8 sec
Corona - 2.0 Rs	0	1/15	1/8	1/4	1/2	1 sec	2 sec	4 sec	8 sec	15 sec
Corona - 4.0 Rs	-1	1/8	1/4	1/2	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec
Corona - 8.0 Rs	-3	1/2	1 sec	2 sec	4 sec	8 sec	15 sec	30 sec	1 min	2 min



LEARN
PRACTICE
IMPROVE

The Total Solar Eclipse of April 8, 2024

■ Glare ⓘ ■ Stars and Planets ⓘ ■ Outlines ⓘ ■ Study Baily's Beads ⓘ ■ Study Shadow

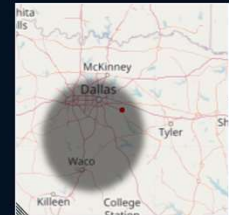
Select Location ⓘ

Select Another Eclipse

[Return to Eclipse2024.org](#)

32.58902N 96.30887W ⓘ
Kaufman, TX

ⓘ Scene ▾ Corona: ⓘ round1 ▾ Instructions ⓘ



Zoom: 49.6

Zoom ⓘ

64°



Speed: 1.0x ⓘ

Reset 1x

Speed

Time ⓘ

ⓘ Fine Time

ⓘ Mag: 100.8% ⓘ Obs: 100%

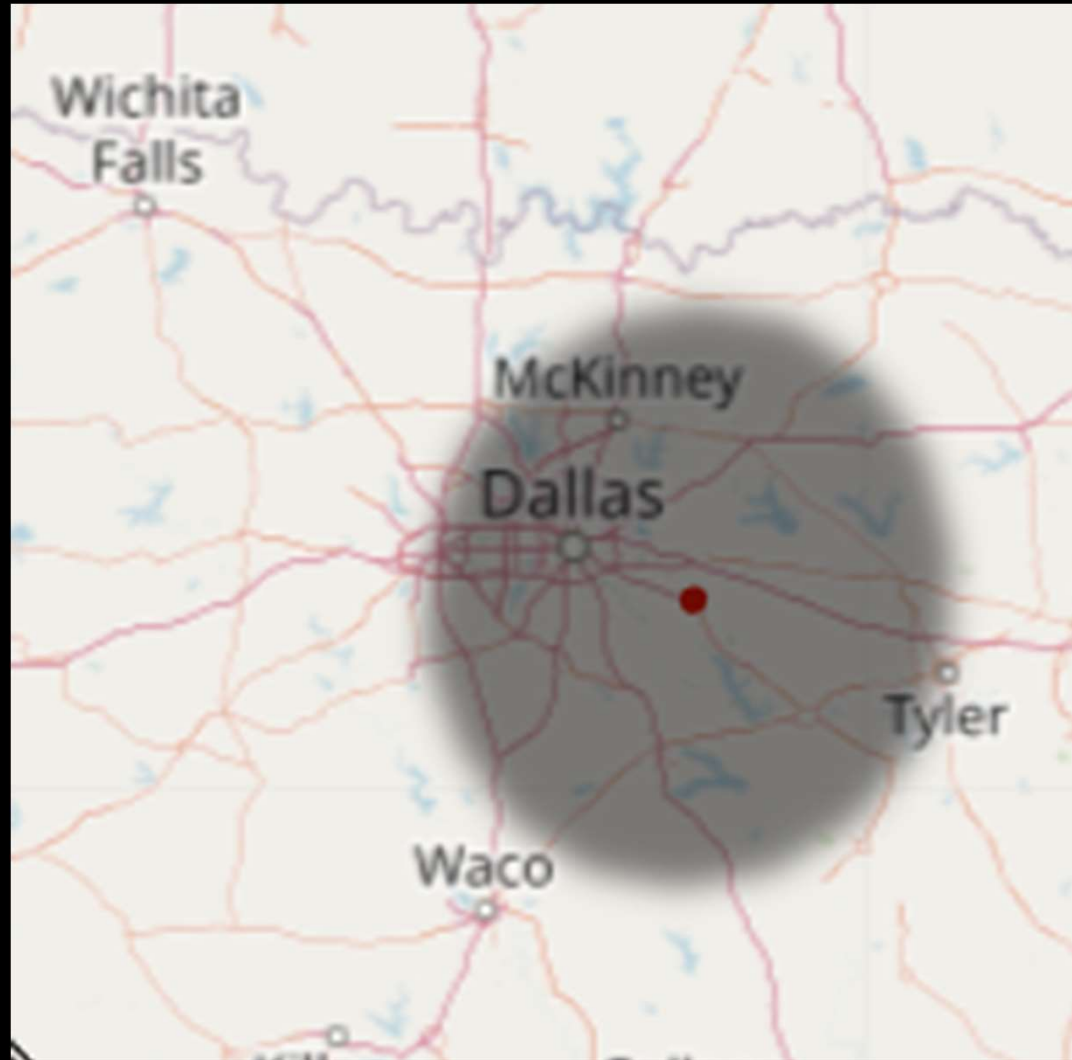
ⓘ 1:41:33pm ⓘ

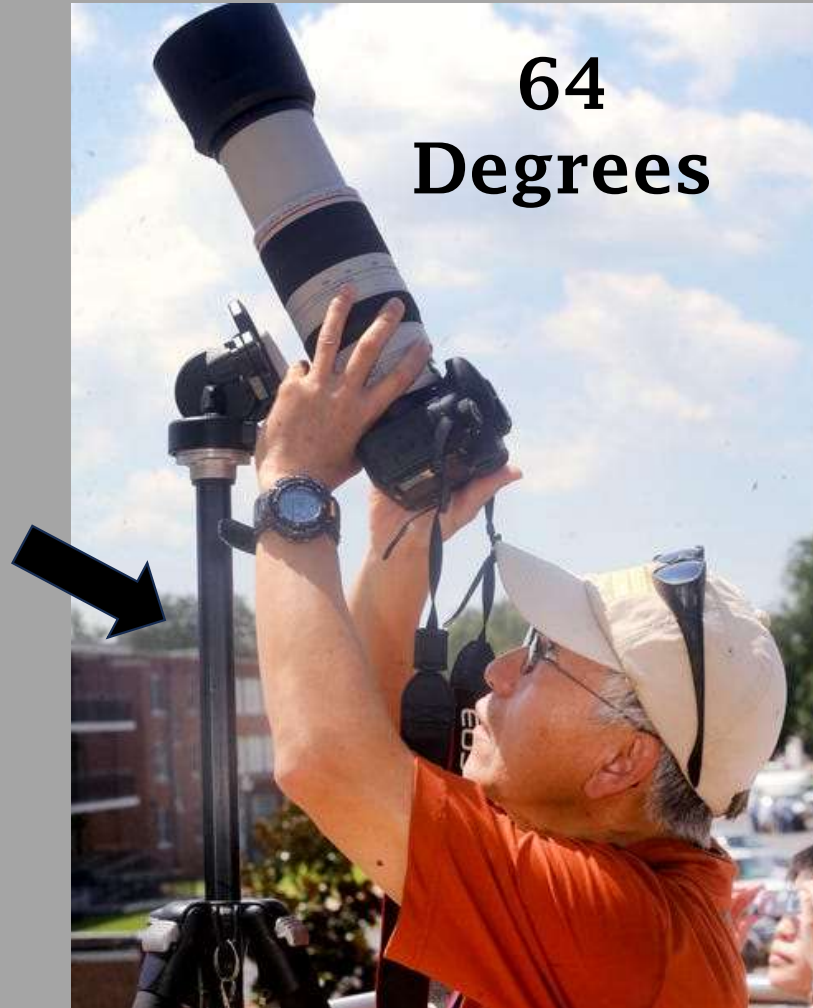
■ Standard ⓘ

ⓘ ▾ CDT

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Eclipse Simulator





**JUST
DO
IT**



4.8.24

Best Practice

Partial Eclipse

Filter

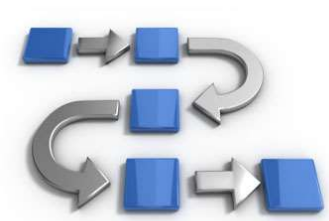
ISO – Native

Aperture – Wide Open + 2

Speed - Bracket

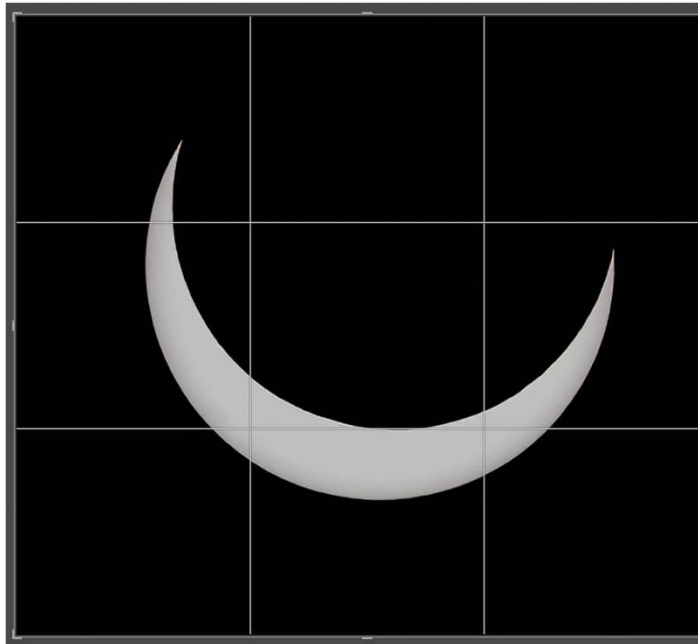
Post Processing





1.Upload, Import, Presets


2.“R” Crop







Auto | B&W | HDR


Profile : Color ▾ ⌵⌵

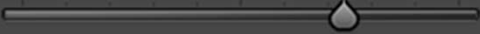
 WB : Custom ▾


Temp  0


Tint  0


Tone

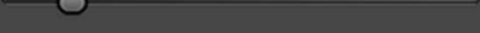
Exposure  0.00

Contrast  + 47


Highlights  + 72


Shadows  0


Whites  + 66

Blacks  - 77

Presence

Texture  0

Clarity  0

Dehaze  - 100



Why You Need 2 Cameras







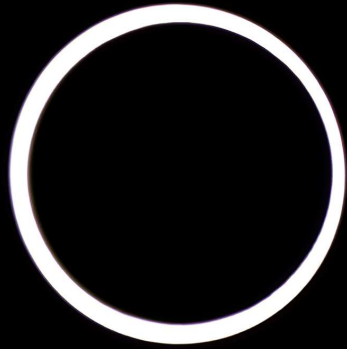


A Parting Thought



Why ?





Questions



Resources

Eclipse Simulator -
eclipse2024.org

Exposure Guide
[SE-Exposure1w.GIF](#)
[\(759×949\) \(mreclipse.com\)](#)

