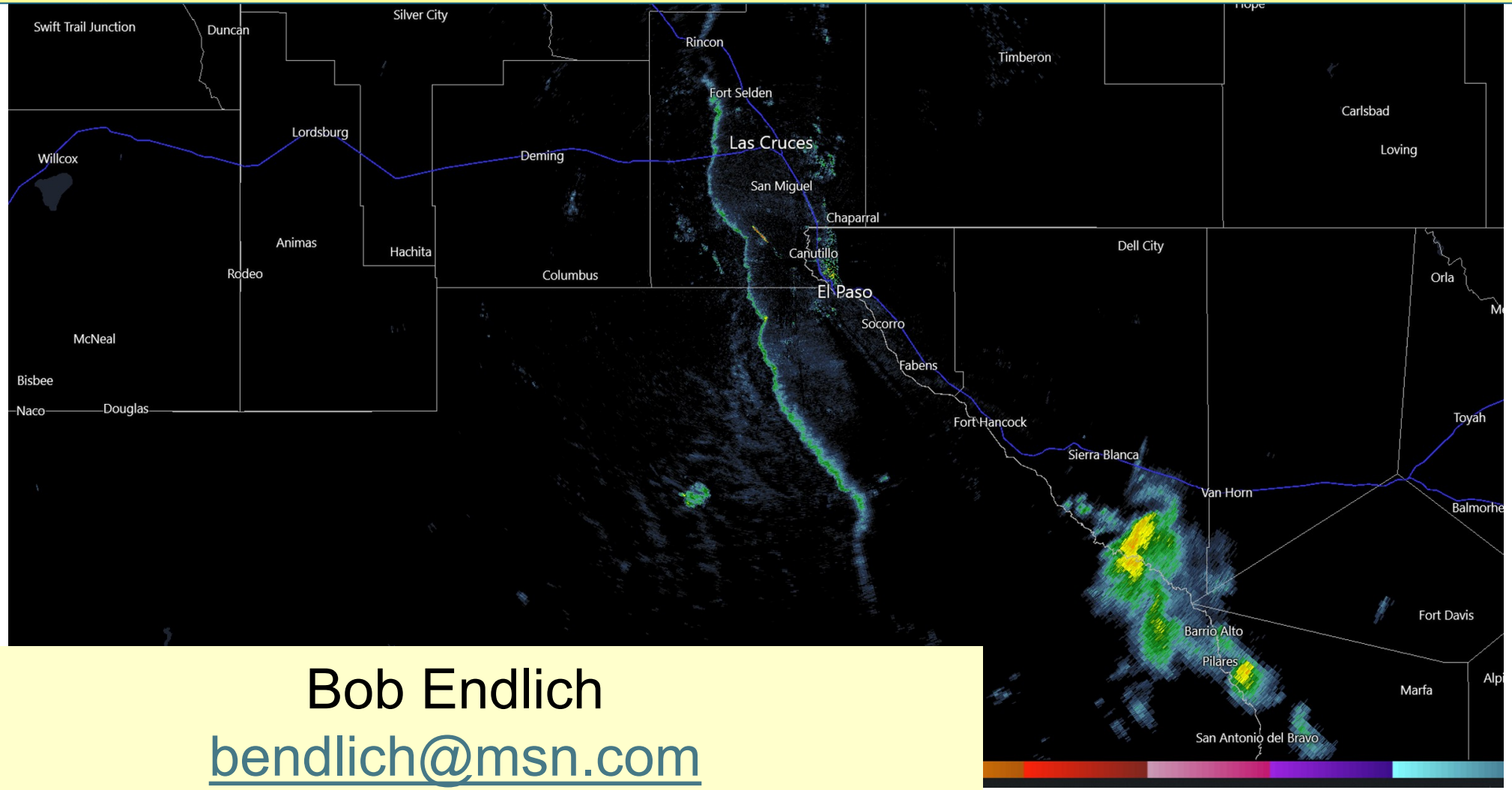
An Unusual Weather Occurrence: The late afternoon 19 Jun 2026 Thunderstorm outflow boundary crossing, observed from Las Cruces, NM



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Cruces Atmospheric Sciences Forum

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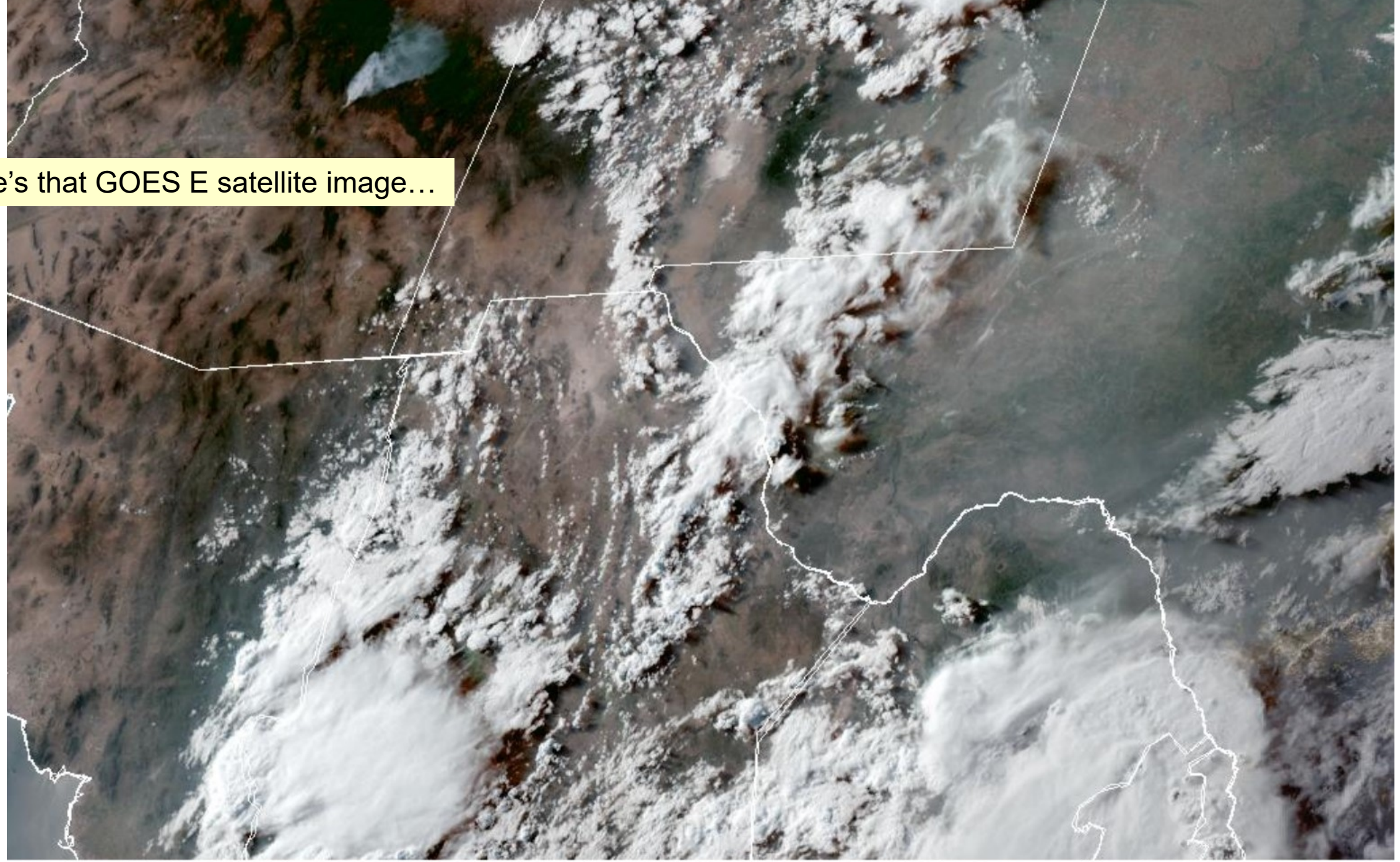
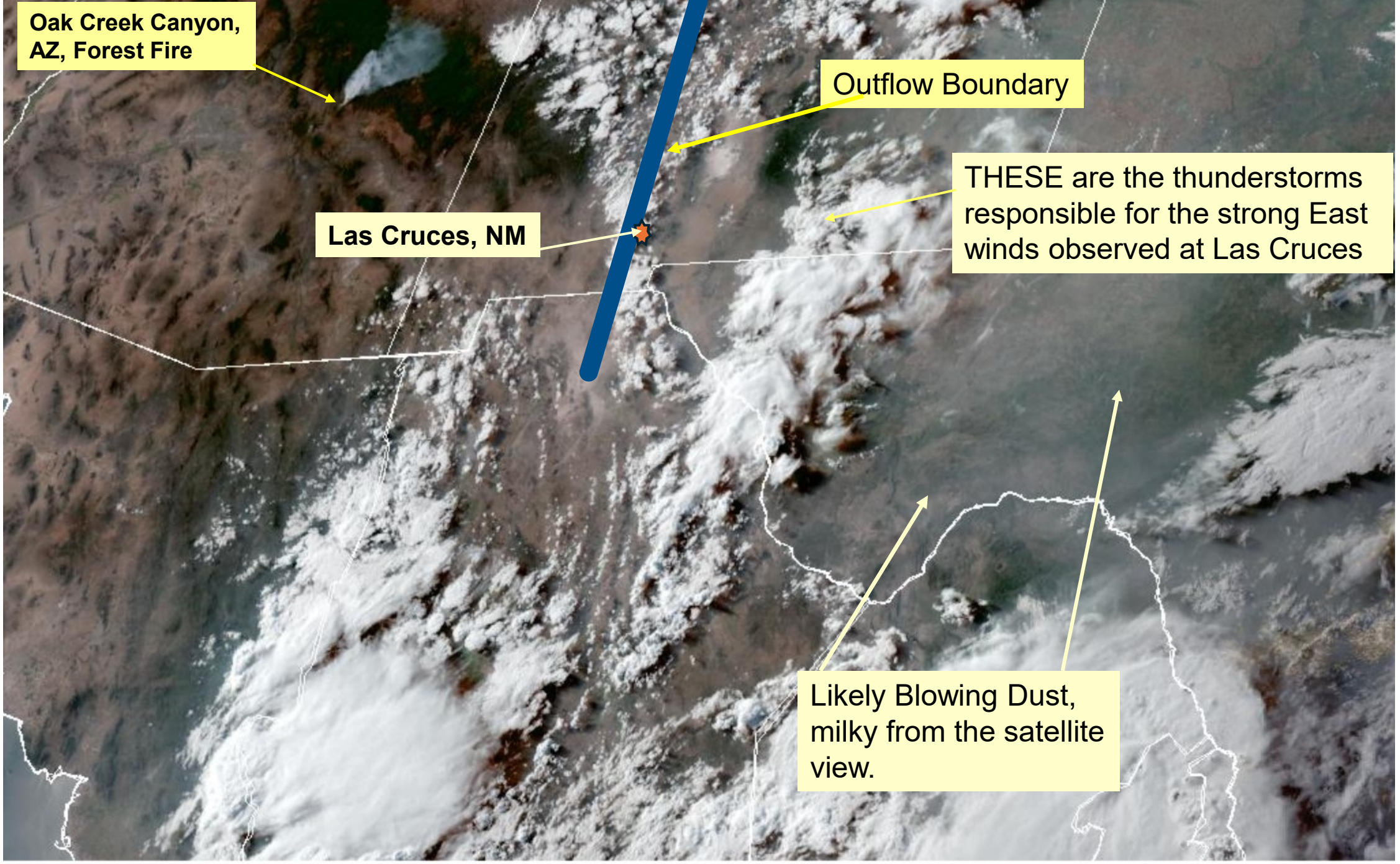
Narrative: On the late afternoon of 19 Jun 2026, I had dinner at a Las Cruces restaurant. Being so very close to the summer solstice of 21 June, at this time of year, the sub-tropical ridge axis of high pressure is close to the latitude of Las Cruces, NM, 32 Deg North. When I entered, weather was typical for this time of year, hot, bright sun, only scattered cumulus clouds visible to the west, surface winds light and variable.

When I exited, surface winds were very strong, gusty, and it was cooler. At first, I thought thunderstorms were in the immediate local area, but there were still only scattered cumulus clouds, to the west, having no vertical development, no hint of rain coming from cloud base.

When I got away from the restaurant and nearby buildings, the winds were very strong from the east… But there were no clouds visible to the east, only clear blue sky. After a short while I arrived home, only 4-5 miles from the restaurant, and clearly the very strong winds surface were still blowing from the east…

Seeing the satellite and radar graphic display on my PC, it was obvious that the strong winds were thunderstorm outflow winds, only the thunderstorms were **three mountain , ranges east** of Las Cruces, over the Guadalupe Mts of Texas and NM, 365 miles away.


Here’s that GOES E satellite image…
20 Jun 2026 00:31Z - NOAA/NESDIS/STAR - GOES-19 - GEOCOLOR Composite - SR


Oak Creek Canyon, AZ, Forest Fire
Outflow Boundary
Las Cruces, NM
THESE are the thunderstorms responsible for the strong East winds observed at Las Cruces
Likely Blowing Dust, milky from the satellite view.
20 Jun 2026 00:31Z - NOAA/NESDIS/STAR - GOES-19 - GEOCOLOR Composite - SR

Straight-Line Distance: Las Cruces, NM to Guadalupe Mountains National Park HQ

The straight-line (“as the crow flies”) distance between Las Cruces, NM and the Guadalupe Mountains National Park headquarters in Texas is approximately 365 miles (about 587 km).

A previous graphic shows the annotated blue line as the outflow boundary, and the source of the outflow winds which affected Las Cruces.

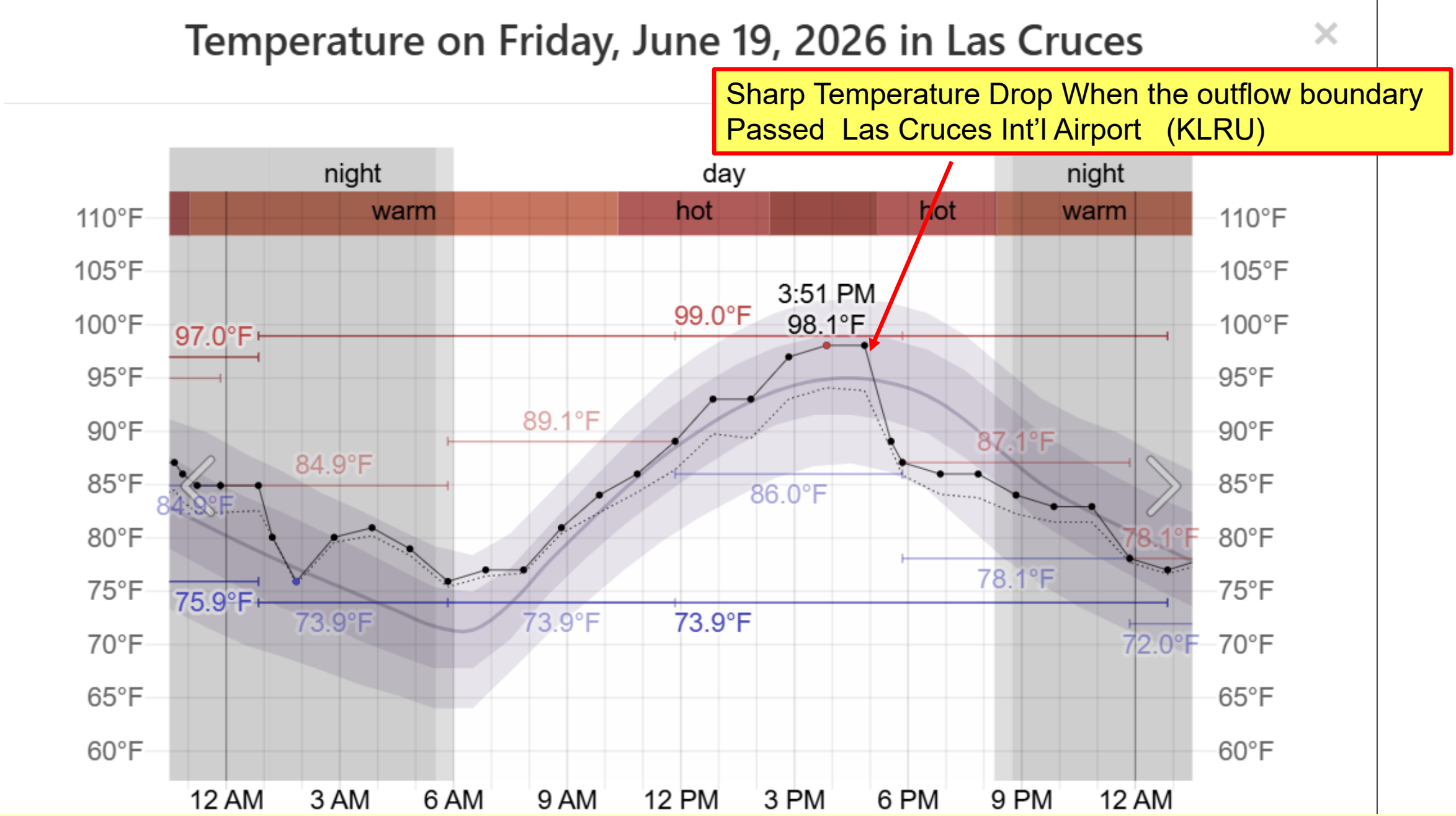
A reader might ask why that blue line is the front edge of that outflow boundary, a good question.

My answer is, that when this image and the others in the sequence from the GOES-E satellite was viewable, it was possible to see the progression of the boundary because of the optical changes in the cloud structure as the outflow boundary moved westward. Each single image in the loop showed that the boundary was moving strongly from East to West.

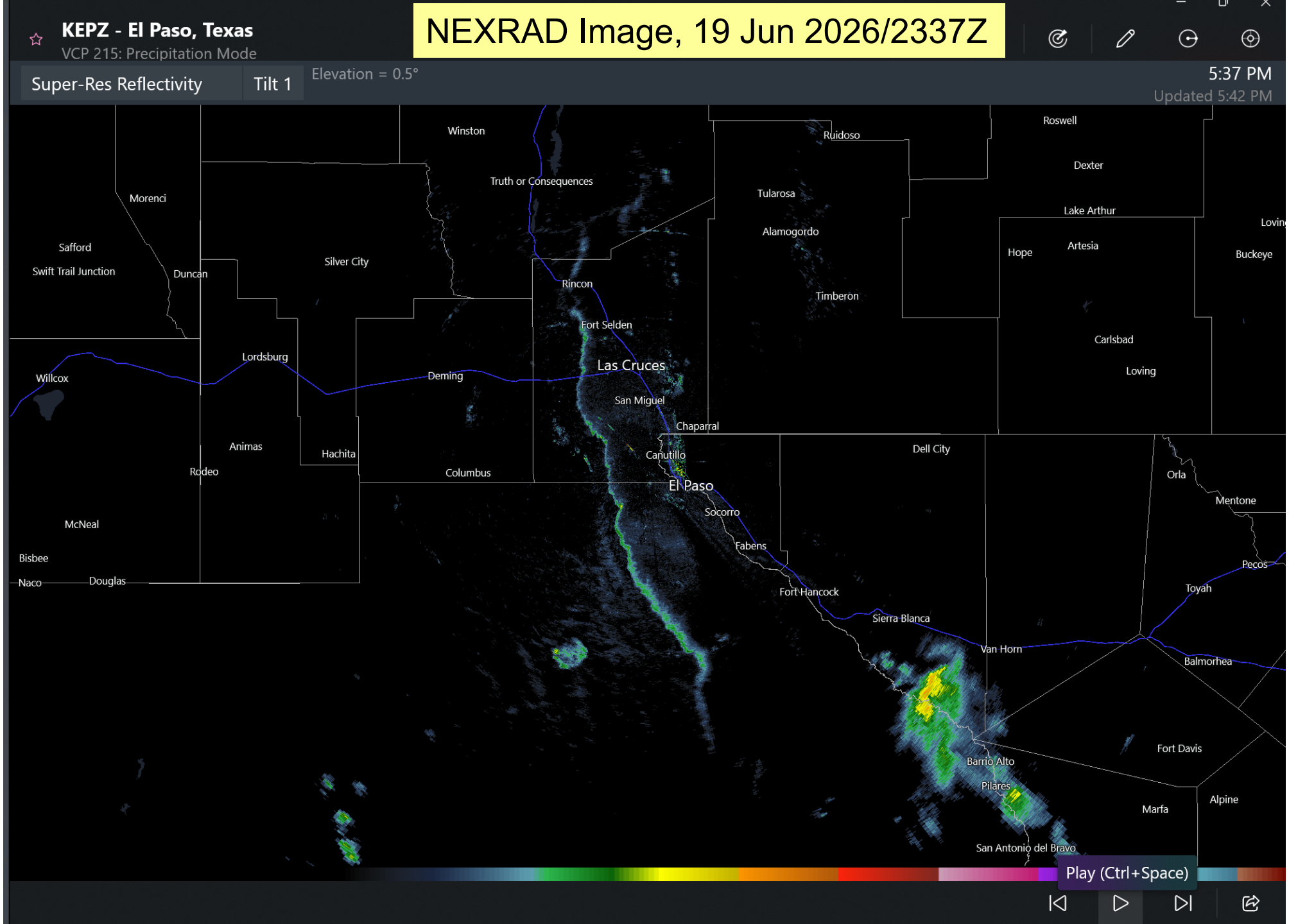
I was able to view the loop, but unable to capture the loop at the time of this outflow event, when the images were live on the Internet.

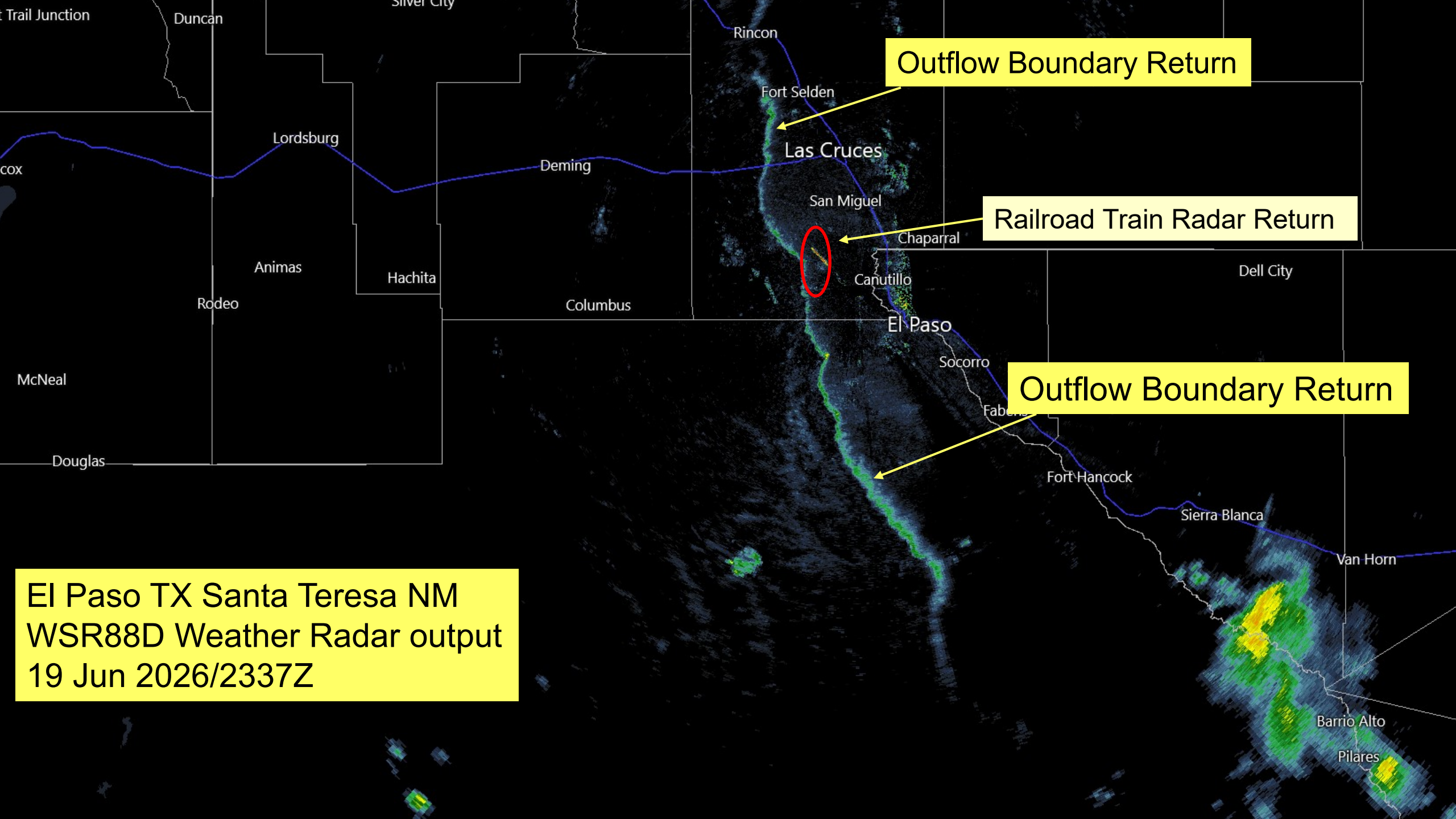
Annotated Google Map showing Orientation of the Organ Mountains Sacramento Mts, and Guadalupe Mts

https://www.google.com/maps/place/Guadalupe+Mountains+National+Park/@31.7675269,-106.6531137,332357m/data



https://weatherspark.com/h/d/3287/2026/6/19/Historical-Weather-on-Friday-June-19-2026-in-Las-Cruces-New-Mexico-United-States#Figures-ColorTemperature


KEPZ - El Paso, Texas
VCP 215: Precipitation Mode
NEXRAD Image, 19 Jun 2026/2337Z
Super-Res Reflectivity
Tilt 1
Elevation = 0.5°
5:37 PM
Updated 5:42 PM
Winston
Truth or Consequences
Ruidoso
Roswell
Dexter
Lake Arthur
Morenci
Tularosa
Alamogordo
Hope
Artesia
Buckeye
Safford
Swift Trail Junction
Duncan
Silver City
Rincon
Timberon
Fort Selden
Carlsbad
Loving
Lordsburg
Las Cruces
Willcox
Deming
San Miguel
Chaparral
Animas
Hachita
Canutillo
Dell City
Rodeo
Columbus
El Paso
Orla
Mentone
Socorro
McNeal
Fabens
Bisbee
Pecos
Naco
Douglas
Fort Hancock
Toyah
Sierra Blanca
Van Horn
Balmorhea
Fort Davis
Barrio Alto
Pilares
Alpine
Marfa
San Antonio del Bravo
Play (Ctrl+Space)


Outflow Boundary Return
Railroad Train Radar Return
Outflow Boundary Return
El Paso TX Santa Teresa NM
WSR88D Weather Radar output
19 Jun 2026/2337Z
Trail Junction
Duncan
Silver City
Rincon
Fort Selden
Las Cruces
Lordsburg
Deming
cox
San Miguel
Chaparral
Animas
Hachita
Rodeo
Columbus
Canutillo
Dell City
El Paso
Socorro
McNeal
Douglas
Fort Hancock
Sierra Blanca
Van Horn
Barrio Alto
Pilares