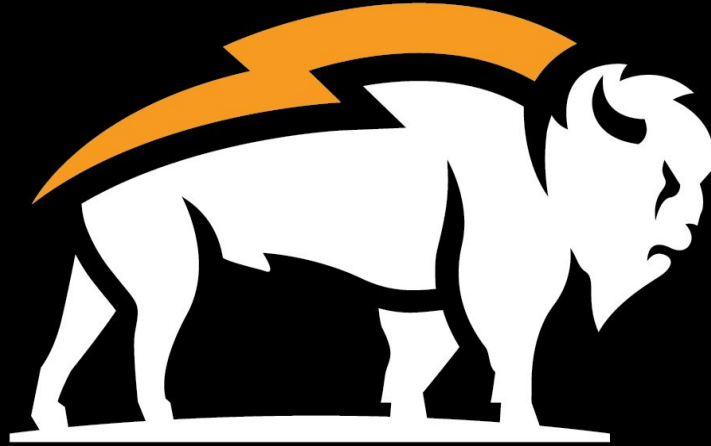


Mangum Fire - Weather station/camera install proposal



Texoma Weather Lab



Who I am



-Texoma Weather Lab covers the 18 counties along and south of I-40 & along and west of I-35.

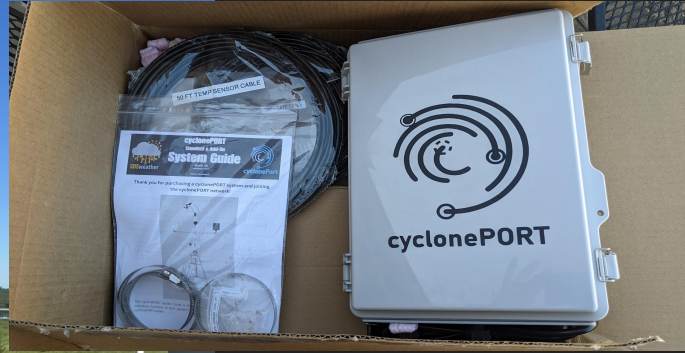
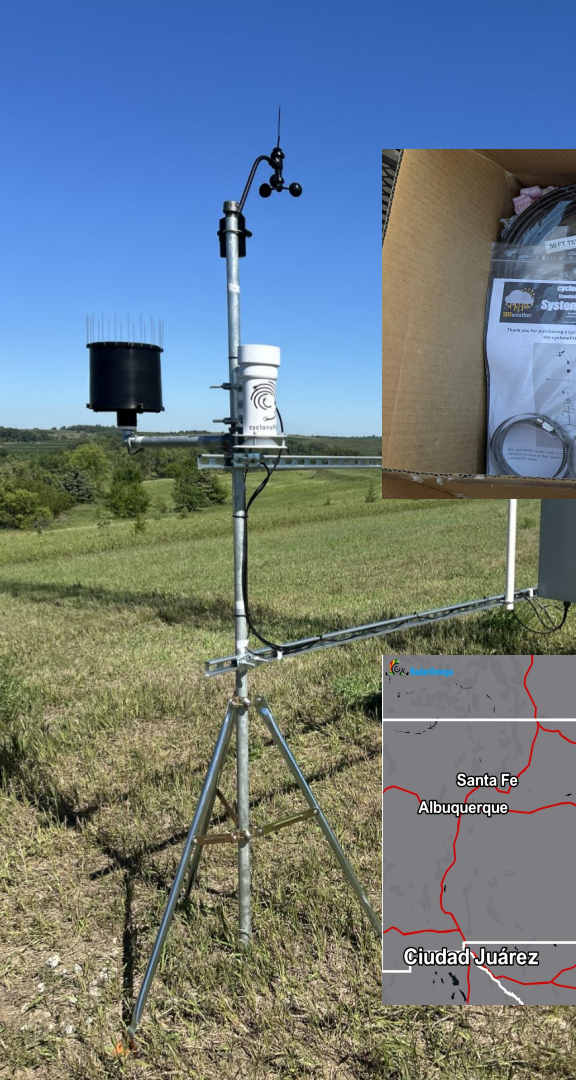
-Founded in 2024 by long-time KSWO chief meteorologist Austin Bowling

-I provide daily forecasts & live severe weather coverage via KLAW/294/PopCrush, social media (11K followers) and my website.

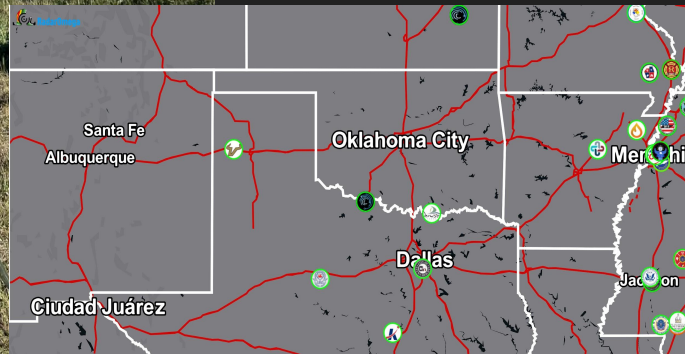
-A weather app and 24/7 channel are in development.

-An 18 camera network has started, the first having been deployed in Walters

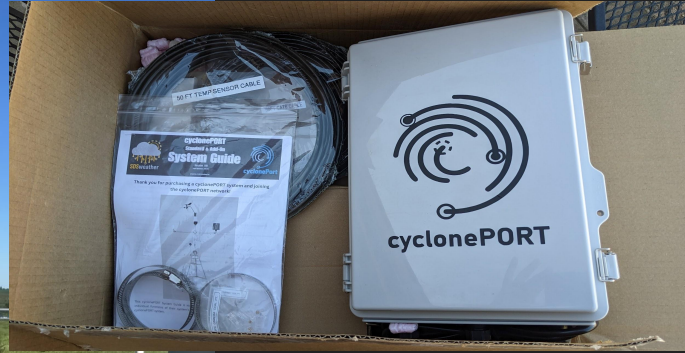
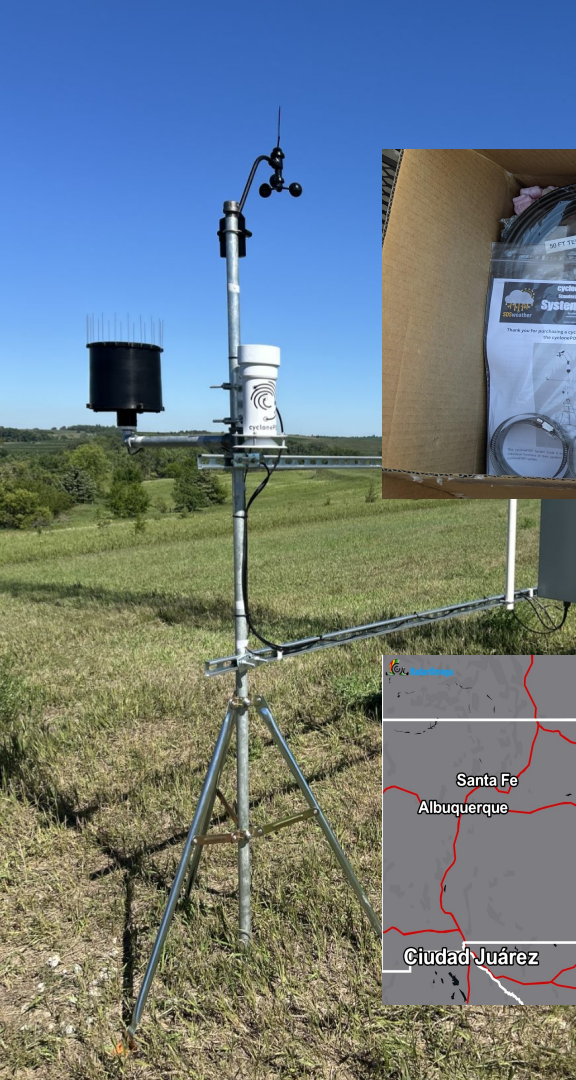
What is CyclonePort?



- Based in Atlanta metro
- Operates like a smaller Mesonet station, recording real-time weather data
- Comes equipped with a 360-degree camera
- No presence in Oklahoma...yet
- Customizable to fit certain structures, poor internet connections or lack of power
- Cameras display nationwide on the RadarOmega weather radar app



System requirements



- High roof with great views to the west, hopefully Mangum Fire downtown

- Prefers direct access to power and internet within 150 feet of the system

- Operates over PoE or "Power over Ethernet"

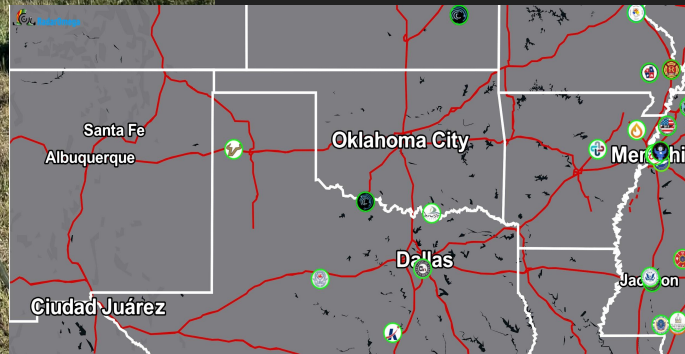
- Can be mounted to a sled mount for flat roofs

- System uses between 1.5 & 3 Mbps

- Data updates every 5 seconds at 350 Kb

- Cameras operate from 650 Kb - 2 Mb

- Site survey must be completed to ensure proper equipment is shipped to location



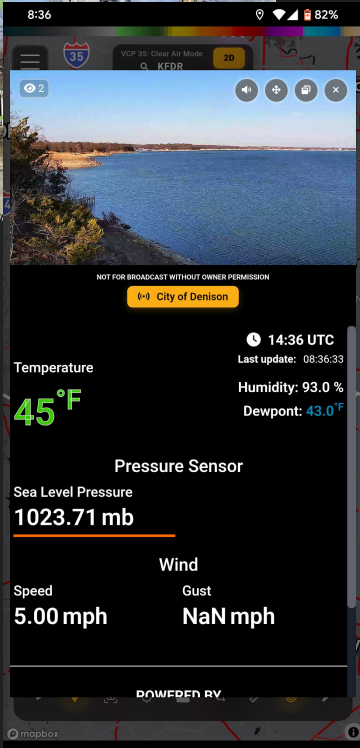
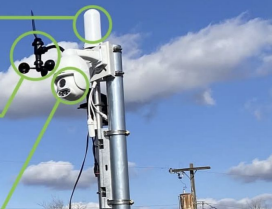
WHAT MAKES UP A cyclonePORT UNIT?

LIGHTNING DETECTOR
OPTIONAL ADD-ON

ANEMOMETER
WIND SPEED + DIRECTION

PTZ IP CAMERA
LIVE HIGH QUALITY VIDEO STREAM

MAIN SENSOR HOUSING
TEMPERATURE, HUMIDITY,
DEWPOINT, AND PRESSURE READINGS



Benefits?

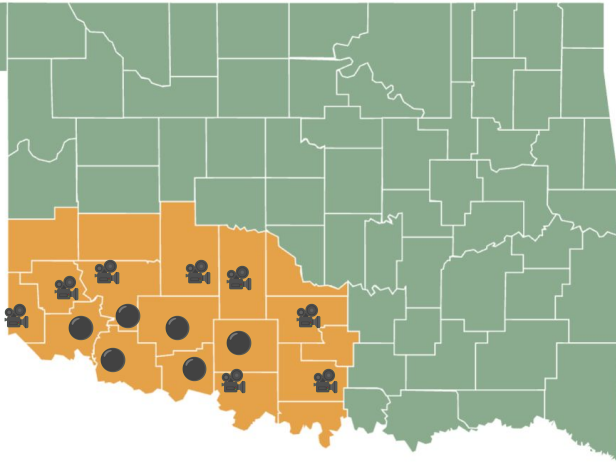
- Comes at no cost to the City of Mangum or to Greer County, donated by SDS Weather
- Maintained locally by Austin Bowling
- Browser-based controls allow access to EMs and the NWS in Norman, providing advanced lead time with warnings
- Exposes town to local/national audience through Texoma Weather Lab and RadarOmega app
- Offers sponsorship opportunity to a local business for additional exposure
- Joins network of cameras covering SWOK

Next steps, if yes

- A site survey form must be completed for the fire station to ensure the proper sensors/sled mount are included in the shipment (Austin can send the link)
- SDS Weather then schedules installs with the locations once three total sites are secured (other SW OK cities)
- For questions regarding tech or the survey, reach out to project manager Devon (dbressette@sdsweather.com) or support person Miriam (miriam@sdsweather.com)
- Reach out to Austin Bowling at (580) 284-6807 or austinrbowling@gmail.com

 = Planned CyclonePort locations

 = Site installed by Texoma Wx Lab



TEMPERATURES

WED 5:00 PM

