

Supplemental Table of Site Locations Page 1

The following table provides information from the Site Locations map on the previous page. The table lists the 120 Mesonet sites, the land ownership type - privately owned (67 sites), OSU/OU Research (19 sites), Federal/City/State (13 sites), Academic Foundation (11 sites), or Airport (10 sites), and the county where the site is located. This page was not included in the printed version of the 30th Anniversary calendar. It is provided here to meet PDF document accessibility standards.

Site Name	Land Ownership	County
Acme	Privately Owned	Grady
Ada	Airport	Pontotoc
Altus	OSU/OU Research	Jackson
Alva	OSU/OU Research	Woods
Antlers	Privately Owned	Pushmataha
Apache	Privately Owned	Caddo
Ardmore	Academic/Foundation	Carter
Arnett	Federal/City/State	Ellis
Beaver	Airport	Beaver
Bessie	OSU/OU Research	Washita
Bixby	OSU/OU Research	Tulsa
Blackwell	Privately Owned	Kay
Boise City	Privately Owned	Cimarron
Breckinridge	Federal/City/State	Garfield
Bristow	Privately Owned	Creek
Broken Bow	Privately Owned	McCurtain
Buffalo	Federal/City/State	Harper
Burbank	Privately Owned	Osage
Burneyville	Academic/Foundation	Love
Butler	Federal/City/State	Custer
Byars	Privately Owned	Garvin
Camargo	Privately Owned	Dewey
Centrahoma	Privately Owned	Coal
Chandler	Privately Owned	Lincoln
Cheyenne	Privately Owned	Roger Mills
Chickasha	OSU/OU Research	Grady
Clayton	Federal/City/State	Pushmataha
Cloudy	Privately Owned	Pushmataha
Cookson	Federal/City/State	Cherokee
Copan	Privately Owned	Washington
Durant	Privately Owned	Bryan
El Reno	Federal/City/State	Canadian
Elk City	Privately Owned	Beckham
Erick	Privately Owned	Beckham
Eufaula	Privately Owned	McIntosh
Eva	OSU/OU Research	Texas
Fairview	Privately Owned	Major
Fittstown	Privately Owned	Pontotoc
Foraker	Academic/Foundation	Osage
Fort Cobb	OSU/OU Research	Caddo
Freedom	Privately Owned	Woodward
Goodwell	Academic/Foundation	Texas
Grandfield	Airport	Tillman
Guthrie	Privately Owned	Logan
Haskell	OSU/OU Research	Muskogee
Hectorville	Privately Owned	Okmulgee
Hinton	Privately Owned	Caddo
Hobart	Airport	Kiowa
Holdenville	Privately Owned	Hughes
Hollis	Privately Owned	Harmon
Hooker	Airport	Texas
Hugo	Privately Owned	Choctaw
Idabel	Privately Owned	McCurtain
Inola	Privately Owned	Rogers
Jay	Privately Owned	Delaware
Kenton	Privately Owned	Cimarron
Kingfisher	Privately Owned	Kingfisher
Lahoma	OSU/OU Research	Major
Lake Carl Blackwell	OSU/OU Research	Payne

Site Name	Land Ownership	County
Lane	OSU/OU Research	Atoka
Madill	Privately Owned	Marshall
Mangum	OSU/OU Research	Greer
Marena	OSU/OU Research	Payne
Marshall	Privately Owned	Logan
May Ranch	Privately Owned	Woods
McAlester	Airport	Pittsburg
Medford	Airport	Grant
Medicine Park	Federal/City/State	Comanche
Miami	Academic/Foundation	Ottawa
Minco	Privately Owned	Grady
Mt. Herman	Privately Owned	McCurtain
Newkirk	Privately Owned	Kay
Newport	Academic/Foundation	Carter
Norman	OSU/OU Research	Cleveland
Nowata	Privately Owned	Nowata
Oilton	Privately Owned	Creek
Okemah	Privately Owned	Okfuskee
Oklahoma City East	Federal/City/State	Oklahoma
Okmulgee	Privately Owned	Okmulgee
Pauls Valley	Airport	Garvin
Pawnee	Privately Owned	Pawnee
Perkins	OSU/OU Research	Payne
Porter	Privately Owned	Wagoner
Pryor	Privately Owned	Mayer
Putnam	Privately Owned	Dewey
Red Rock	Privately Owned	Noble
Ringling	Privately Owned	Jefferson
Sallisaw	Airport	Sequoyah
Seiling	Privately Owned	Woodward
Seminole	Privately Owned	Seminole
Shawnee	Academic/Foundation	Pottawatomie
Skiatook	Privately Owned	Osage
Slapout	Privately Owned	Beaver
Spencer	Federal/City/State	Oklahoma
Stigler	Privately Owned	Haskell
Stillwater	OSU/OU Research	Payne
Stuart	Privately Owned	Pittsburg
Sulphur	Privately Owned	Murray
Tahlequah	Privately Owned	Cherokee
Talala	Privately Owned	Rogers
Talihina	Privately Owned	LeFlore
Tipton	OSU/OU Research	Tillman
Tishomingo	Privately Owned	Johnston
Tulsa	Academic/Foundation	Tulsa
Valliant	OSU/OU Research	McCurtain
Vinita	Privately Owned	Craig
Walters	Privately Owned	Cotton
Washington	OSU/OU Research	McClain
Watonga	Privately Owned	Blaine
Waurika	Federal/City/State	Jefferson
Weatherford	Privately Owned	Custer
Webbers Falls	Privately Owned	Muskogee
Westville	Privately Owned	Adair
Wilburton	Academic/Foundation	Latimer
Wister	Academic/Foundation	LeFlore
Woodward	Federal/City/State	Woodward
Wynona	Privately Owned	Osage
Yukon	Privately Owned	Canadian



**MONTHLY
EXTREMES**

Maximum
Air Temperature

87.4°F

Altus, 1/3/2006

Minimum
Air Temperature

-19.5°F

Kenton, 1/7/2017

Minimum
Wind Chill

-28.4°F

Hooker, 1/7/2017

Maximum
Daily Rainfall

5.42"

Cookson, 1/4/1998

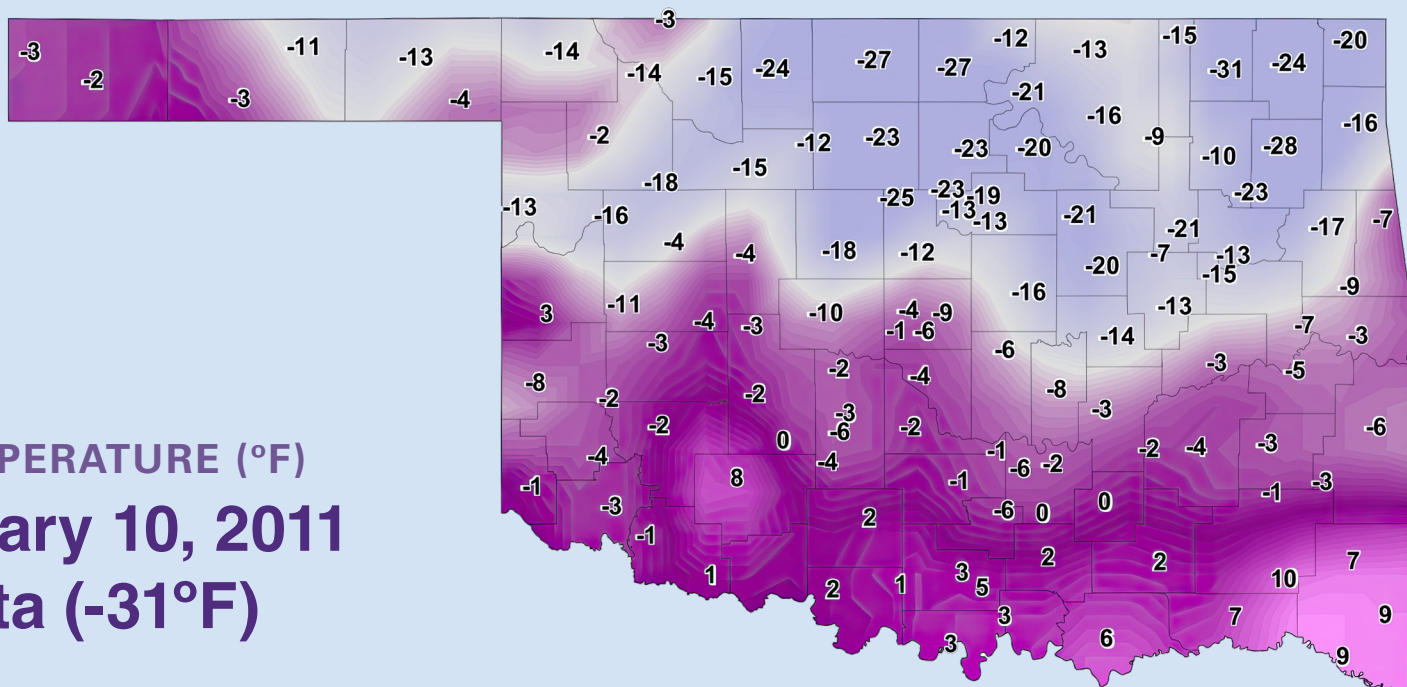
Maximum
Wind Gust

81.4 MPH

Pryor, 1/2/2023

During **January 28–30, 2002**, a catastrophic ice storm impacted the northwestern half of Oklahoma. This photo shows the extent of historic icing at the Oklahoma Mesonet site in **Kingfisher, OK**. *(Photo by Chris Fiebrich)*

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			



LOWEST
AIR TEMPERATURE (°F)
February 10, 2011
Nowata (-31°F)

MONTHLY EXTREMES

Maximum
Air Temperature

99.4°F

Mangum, 2/11/2017

Minimum
Air Temperature

-30.5°F

Nowata, 2/10/2011

Minimum
Wind Chill

-47.4°F

Medford, 2/10/2011

Maximum
Daily Rainfall

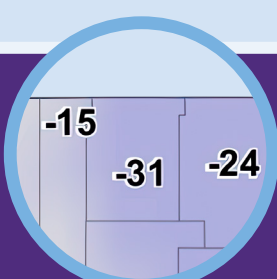
4.35"

Broken Bow, 2/8/2023

Maximum
Wind Gust

88.2 MPH

Hobart, 2/28/1994




On the morning of **February 10, 2011**, the Oklahoma Mesonet site in **Nowata, OK** measured a brutally cold temperature of **-31°F**. This state record temperature occurred following a major winter storm that covered parts of northern Oklahoma with more than a foot of snowfall.


SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
				1	2	3
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18	19	20	21	22	23	24
25	26	27	28	29		




In a month that can produce any form of hazardous weather ranging from blizzards to dust storms, this photo of the Oklahoma Mesonet site in **Eva, OK** on **March 6, 2023** captured the calmer side of Oklahoma weather. *(Photo by Steve Thompson)*

MONTHLY EXTREMES

Maximum Air Temperature 
100.0°F
Hollis, 3/26/2020

Minimum Air Temperature 
-6.5°F
Buffalo, 3/3/2014

Minimum Wind Chill 
-20.4°F
Buffalo, 3/3/2014

Maximum Daily Rainfall 
6.47"
Haskell, 3/18/2008

Maximum Wind Gust 
95.1 MPH
El Reno, 3/28/2017

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

MARCH


2024




Springtime in the Southern Plains brings with it dangerous thunderstorms and beneficial rains as seen in this **April 9, 2023** photo of the Oklahoma Mesonet site in **Mangum, OK**. *(Photo by Steve Thompson)*


MONTHLY EXTREMES

Maximum Air Temperature 
104.8°F
Erick, 4/25/2012

Minimum Air Temperature 
13.6°F
Boise City, 4/12/1997

Minimum Wind Chill 
-5.5°F
Boise City, 4/10/2013

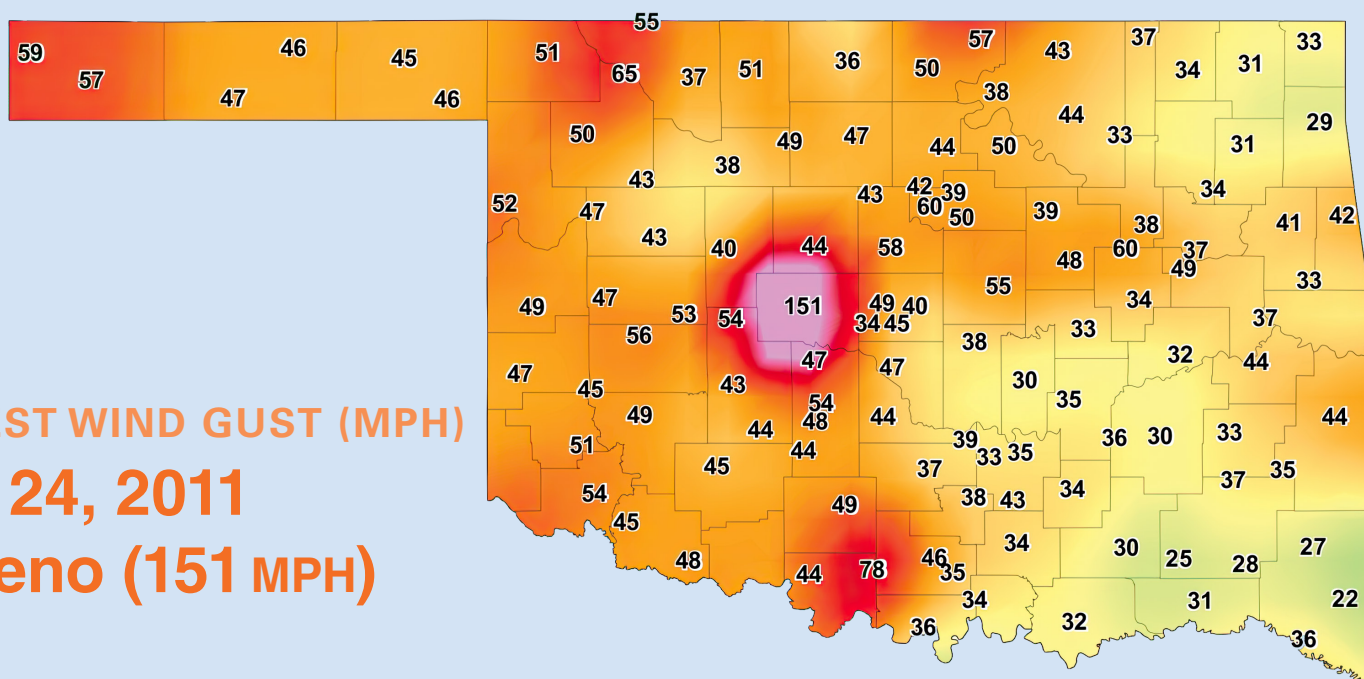
Maximum Daily Rainfall 
12.42"
Burneyville, 4/29/2009

Maximum Wind Gust 
91.3 MPH
Stigler, 4/11/2001

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

APRIL

2024



HIGHEST WIND GUST (MPH) May 24, 2011 El Reno (151 MPH)

MONTHLY EXTREMES

Maximum Air Temperature

112.2°F

Altus, 5/23/2000

Minimum Air Temperature

21.8°F

Boise City, 5/3/2013

Maximum Heat Index

115.9°F

Lane, 5/31/1998

Maximum Daily Rainfall

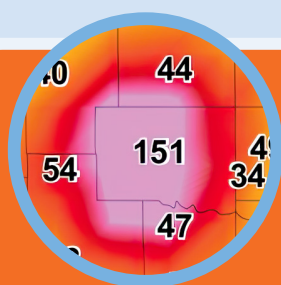
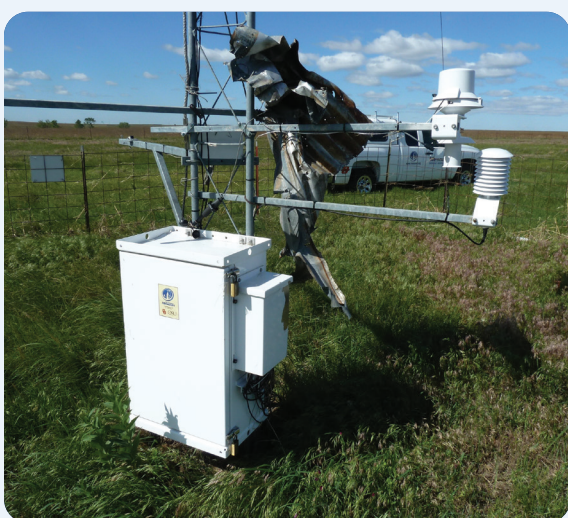
9.67"

Vinita, 5/23/2011

Maximum Wind Gust

150.8 MPH

El Reno, 5/24/2011




On the evening of May 24, 2011, the Oklahoma Mesonet site in El Reno, OK measured a state record wind speed of 151 miles per hour as an EF-5 tornado came within a quarter mile of the site.


Calendar grid for May 2024 with days of the week and dates from 1 to 31.




Oklahoma Mesonet sites are visited multiple times each year by highly trained technicians to maintain the highest possible data quality. In this aerial photo from **June 2017**, a Mesonet technician performs routine summer vegetation maintenance at the Oklahoma Mesonet site in **Apache, OK**. *(Photo by Chris Fiebrich)*


MONTHLY EXTREMES

Maximum Air Temperature 
114.9°F
Hollis, 6/26/2011

Minimum Air Temperature 
37.6°F
Boise City, 6/6/1998

Maximum Heat Index 
120.2°F
Webbers Falls, 6/12/2022

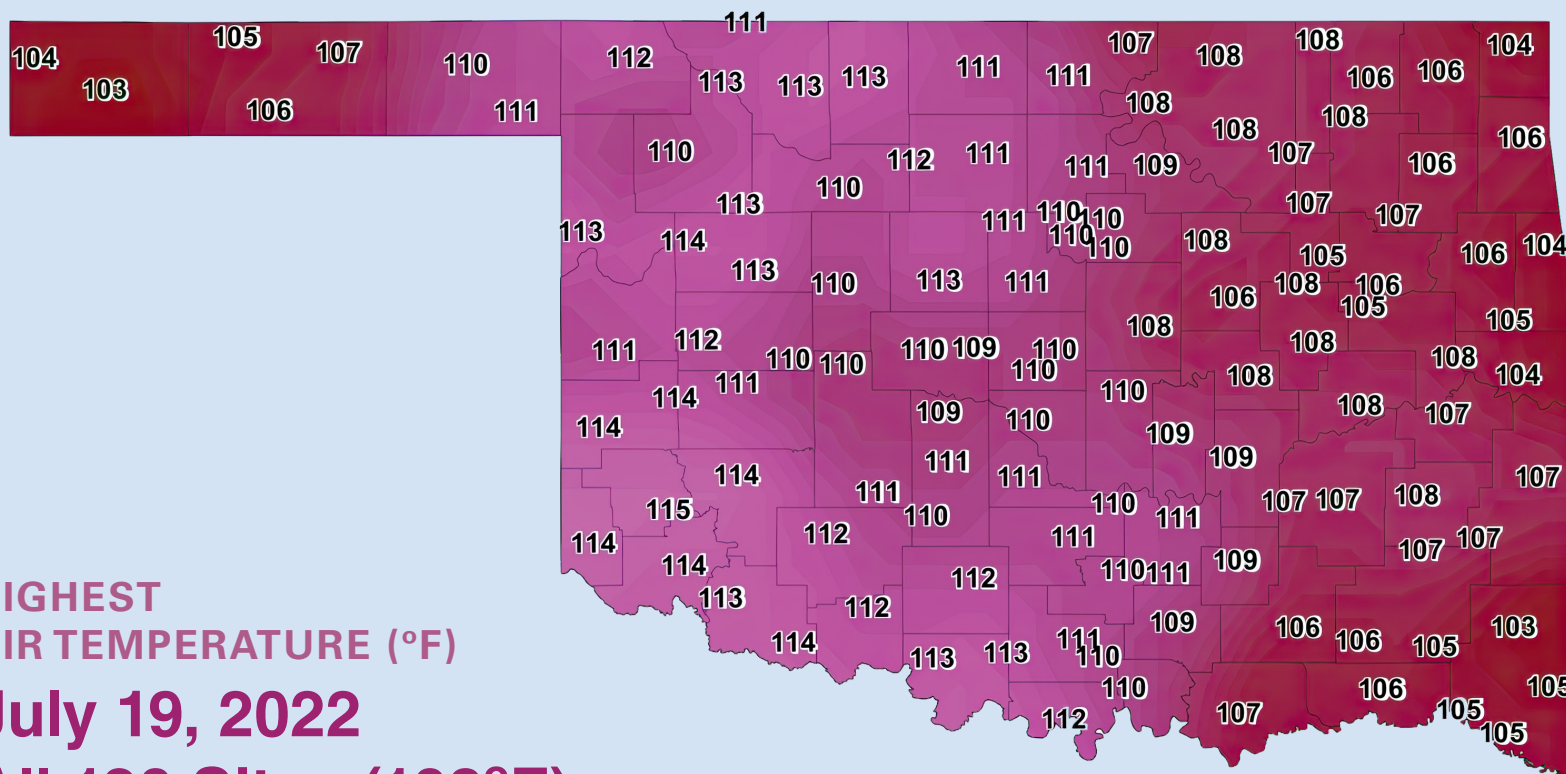
Maximum Daily Rainfall 
11.26"
OKC North, 6/14/2010

Maximum Wind Gust 
99.9 MPH
Marshall, 6/16/2005

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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16	17	18	19	20	21	22
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30						

JUNE

2024



HIGHEST AIR TEMPERATURE (°F)

July 19, 2022

All 120 Sites (103°F)

MONTHLY EXTREMES

Maximum Air Temperature

115.1°F

Buffalo, 7/9/2009

Minimum Air Temperature

47.4°F

Mangum, 7/28/2005

Maximum Heat Index

126.0°F

Pauls Valley, 7/13/2023

Maximum Daily Rainfall

6.98"

Fittstown, 7/2/2017

Maximum Wind Gust

105.9 MPH

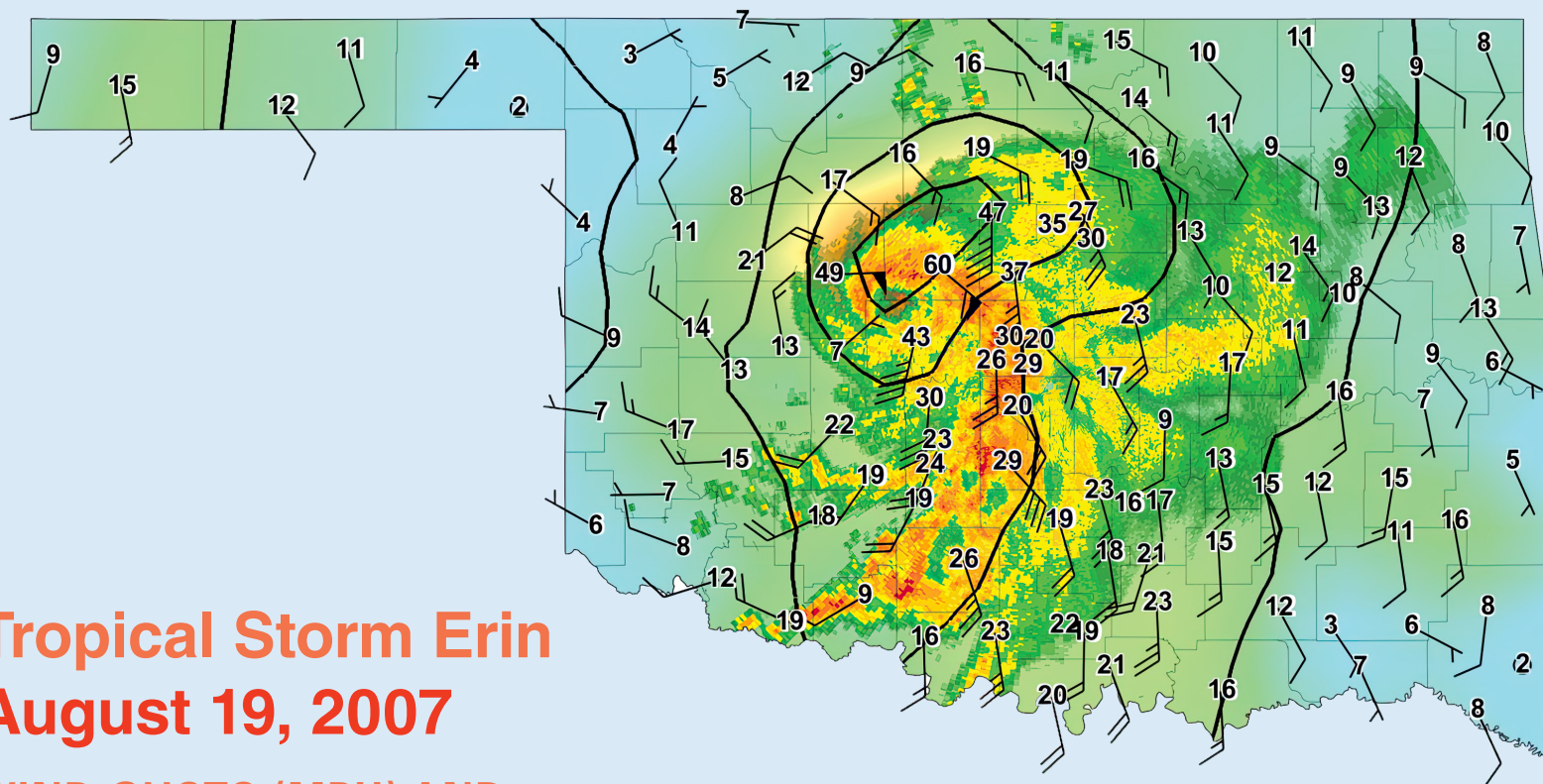
Burneyville, 7/30/2014

Oklahoma's reputation for unbearable summer heat was put on full display on the afternoon of **July 19, 2022**. It was the first time in Oklahoma Mesonet history for all 120 sites to reach at least **103°F** on the same day.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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JULY

2024



Tropical Storm Erin August 19, 2007

WIND GUSTS (MPH) AND
SEA-LEVEL PRESSURE (CONTOURS)

In the early morning hours of **August 19, 2007**, the Oklahoma Mesonet measured a truly unique event – the inland re-intensification of Tropical Storm Erin. Peak wind gusts of **75 miles per hour** in addition to isolated rainfall totals exceeding **8 inches** were measured.

MONTHLY EXTREMES

Maximum
Air Temperature
115.0°F
Wilburton, 8/3/2011

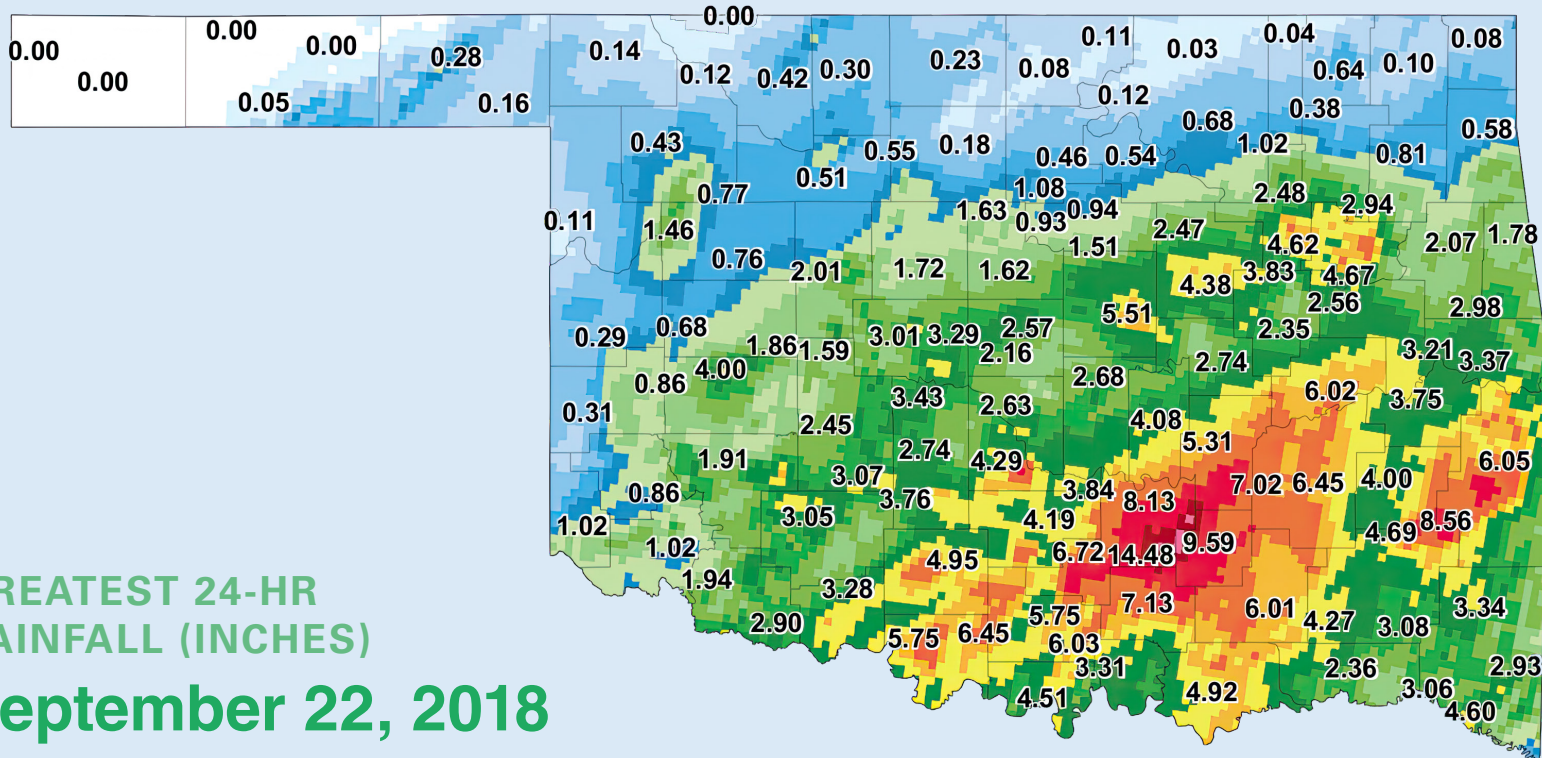
Minimum
Air Temperature
45.0°F
Nowata, 8/31/2009

Maximum
Heat Index
125.4°F
Calvin, 8/9/1999

Maximum
Daily Rainfall
9.00"
Fort Cobb, 8/18/2007

Maximum
Wind Gust
113.4 MPH
Lahoma, 8/17/1994

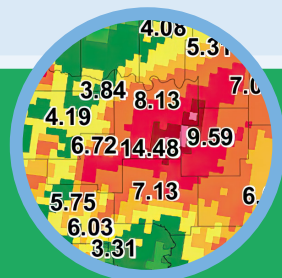
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
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GREATEST 24-HR RAINFALL (INCHES)

September 22, 2018

Fittstown (14.48 inches)



At 6:20 am on September 22, 2018, the Oklahoma Mesonet site at Fittstown, OK shattered the all-time Mesonet record for rainfall over a 24-hour period measuring an astonishing 14.48 inches of rain.

MONTHLY EXTREMES

Maximum Air Temperature

111.6°F

Walters, 9/4/2000

Minimum Air Temperature

28.6°F

Boise City, 9/25/2000

Maximum Heat Index

122.8°F

Oklmulgee, 9/3/2000

Maximum Daily Rainfall

14.20"

Fittstown, 9/21/2018

Maximum Wind Gust

87.7 MPH

Fairview, 9/13/1997

SUNDAY

MONDAY

TUESDAY

WEDNESDAY

THURSDAY

FRIDAY

SATURDAY

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SEPTEMBER


2024




MONTHLY EXTREMES

Maximum Air Temperature 
105.6°F
Hollis, 10/3/2000

Minimum Air Temperature 
-0.1°F
Kenton, 10/31/2019

Minimum Wind Chill 
-8.5°F
Boise City, 10/31/2019

Maximum Daily Rainfall 
7.75"
Jay, 10/6/2019

Maximum Wind Gust 
90.5 MPH
Eufaula, 10/17/2007

The Oklahoma Mesonet would not be possible without the generosity of the many private landowners and site hosts who have provided land for Mesonet sites as well as frequent access to their properties. **Thank you for your tremendous support over the last 30 years!** Shown here is a photo taken by the landowner of the Oklahoma Mesonet site in **Cheyenne, OK.**

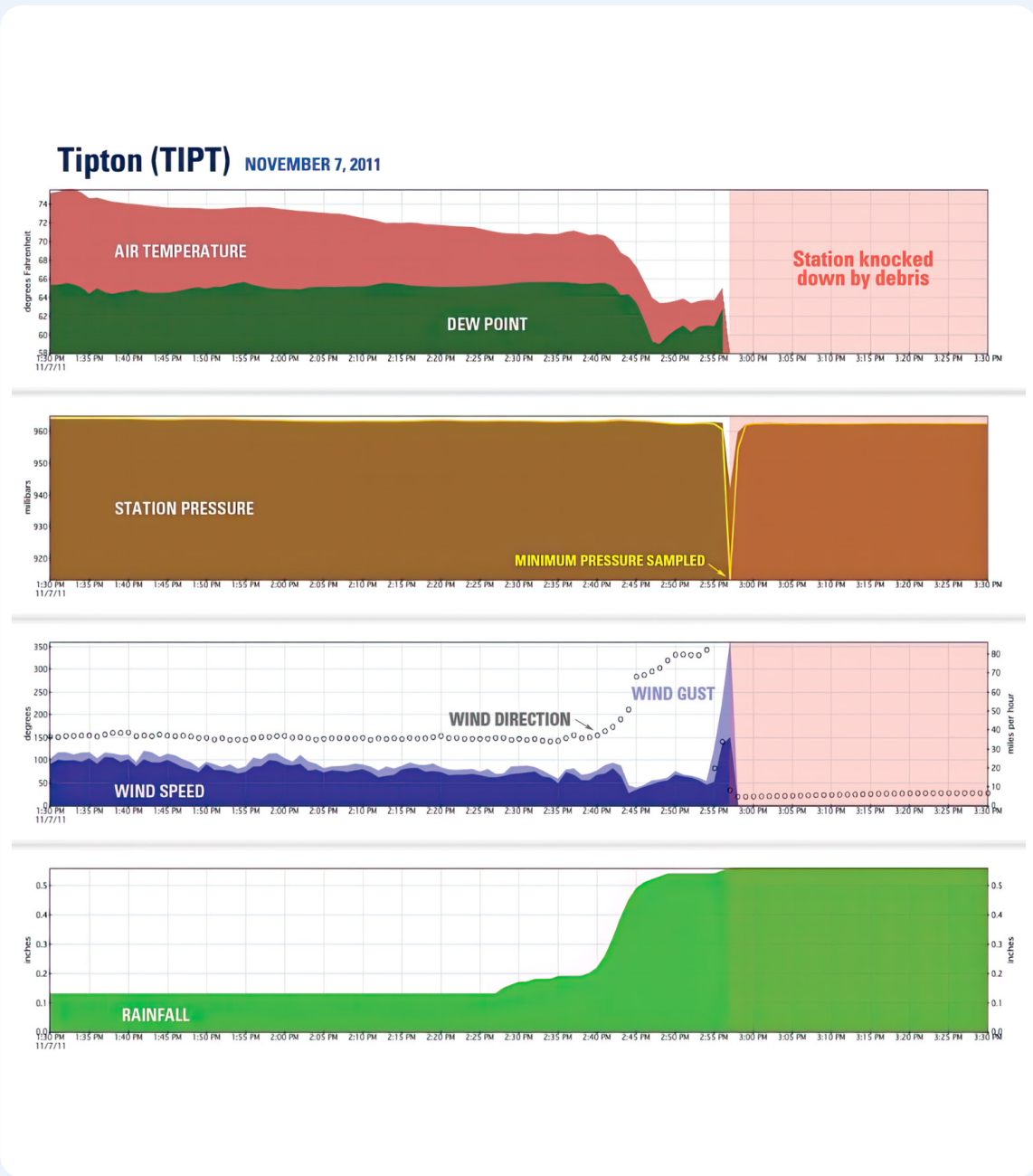
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
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OCTOBER

2024



After many close calls with tornadoes over the years, good luck ended when not one but two Oklahoma Mesonet sites were destroyed by tornadoes on **November 7, 2011**. The tornadoes were spawned from the same parent thunderstorm and took out the Oklahoma Mesonet sites in **Tipton, OK** and **Fort Cobb, OK**.



MONTHLY EXTREMES

Maximum Air Temperature **94.0°F**
Mangum, 11/17/2017

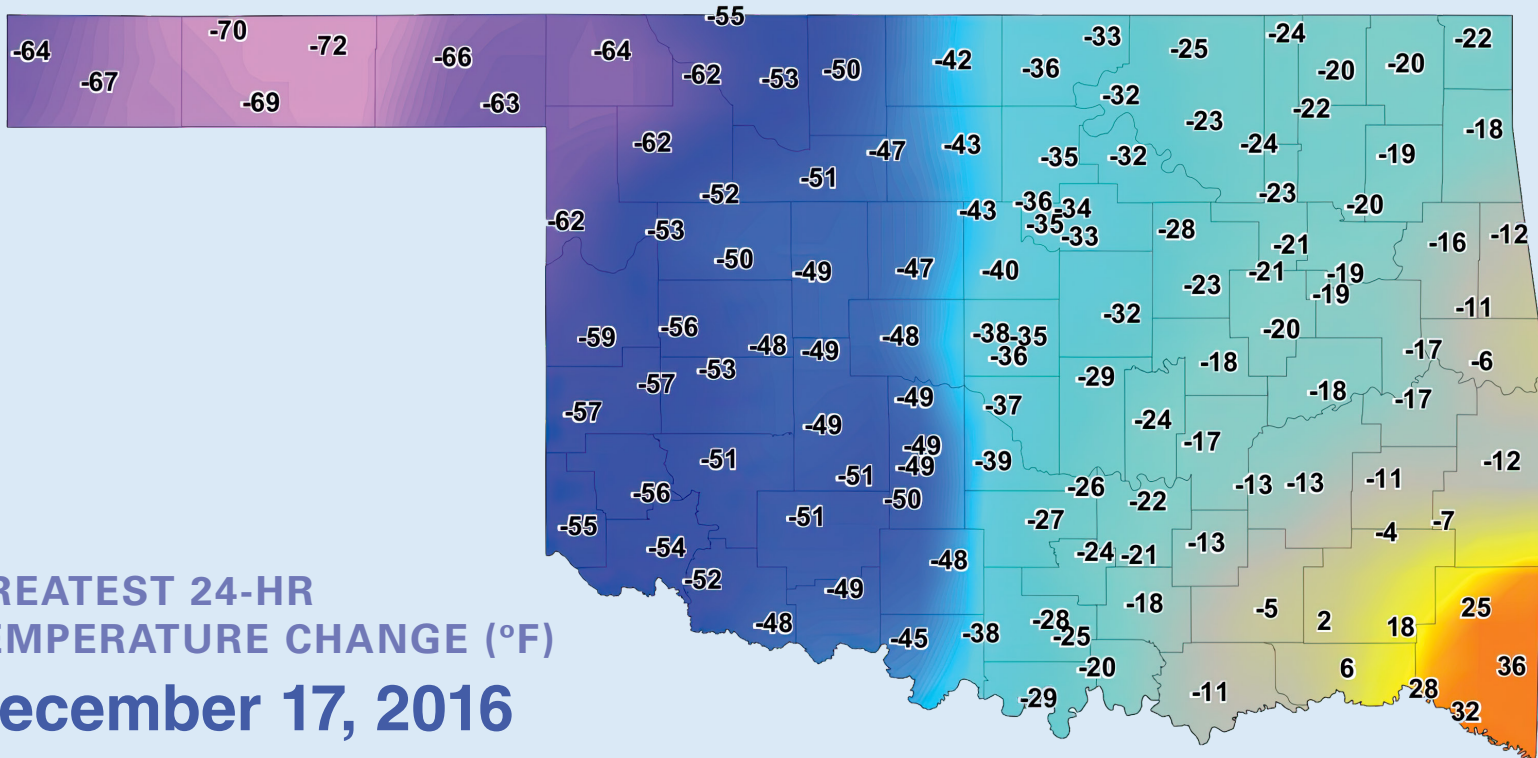
Minimum Air Temperature **-3.6°F**
Eva, 11/12/2019

Minimum Wind Chill **-16.9°F**
Eva, 11/12/2019

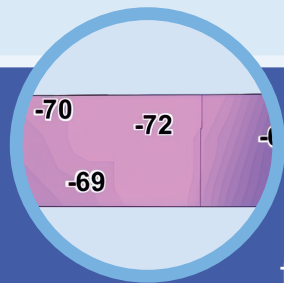
Maximum Daily Rainfall **6.25"**
Ringling, 11/6/2011

Maximum Wind Gust **108.4 MPH**
Idabel, 11/4/2022

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
					1	2
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GREATEST 24-HR
TEMPERATURE CHANGE (°F)
December 17, 2016
Hooker (-72°F)



On December 16–17, 2016, a major arctic cold front slammed Oklahoma and brought with it the largest 24-hour temperature swings observed by the Oklahoma Mesonet in its 30-year history. Leading the way was the **Hooker, OK** site, which dropped a stunning **72°F**.

MONTHLY EXTREMES

Maximum Air Temperature
88.8°F
Grandfield, 12/24/2021

Minimum Air Temperature
-18.3°F
Eva, 12/18/2016

Minimum Wind Chill
-35.5°F
Eva, 12/18/2016

Maximum Daily Rainfall
9.70"
Talihina, 12/27/2015

Maximum Wind Gust
89.2 MPH
Tishomingo, 12/30/2002

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

DECEMBER

2024