



# February 2025 Monthly Hydrologic and Flood Stage Report (E5/E3)

NWS Austin/San Antonio, TX

Prepared by: Chris Morris

March 10, 2024

An X inside this box indicates that no flooding occurred within this hydrologic service area.



National Oceanic and  
Atmospheric Administration

U.S. Department of Commerce



# Monthly Summary

## Key Messages

- Nearly the entire service area saw below normal rainfall for the monthly of February
  - The exception was a portion of the I-35 Corridor which saw a month's worth of rainfall over a couple of days
- Seasonal rainfall was below normal for a majority of the service area with some locations seeing 4 to 5 inches less than normal
  - Portions of the Coastal Plains and I-35 Corridor saw above normal rainfall for the winter season
- Area streamflows and reservoir levels remain low
- The continued lack of appreciable area wide rainfall, drought conditions persisted or worsened for the service area
- Precipitation outlooks for March and the Spring season continue lean towards below normal amounts





# Monthly Summary

Recap: Mid-February Rainfall

A stagnating cold front brought multiple rounds of rain to the service area between the morning of the 11th and midday on the 12th. The heaviest rainfall occurred on the afternoon of the 11th over portions of the I-35 corridor. Storm total amounts ranged from a few tenths up to 3.5 inches.

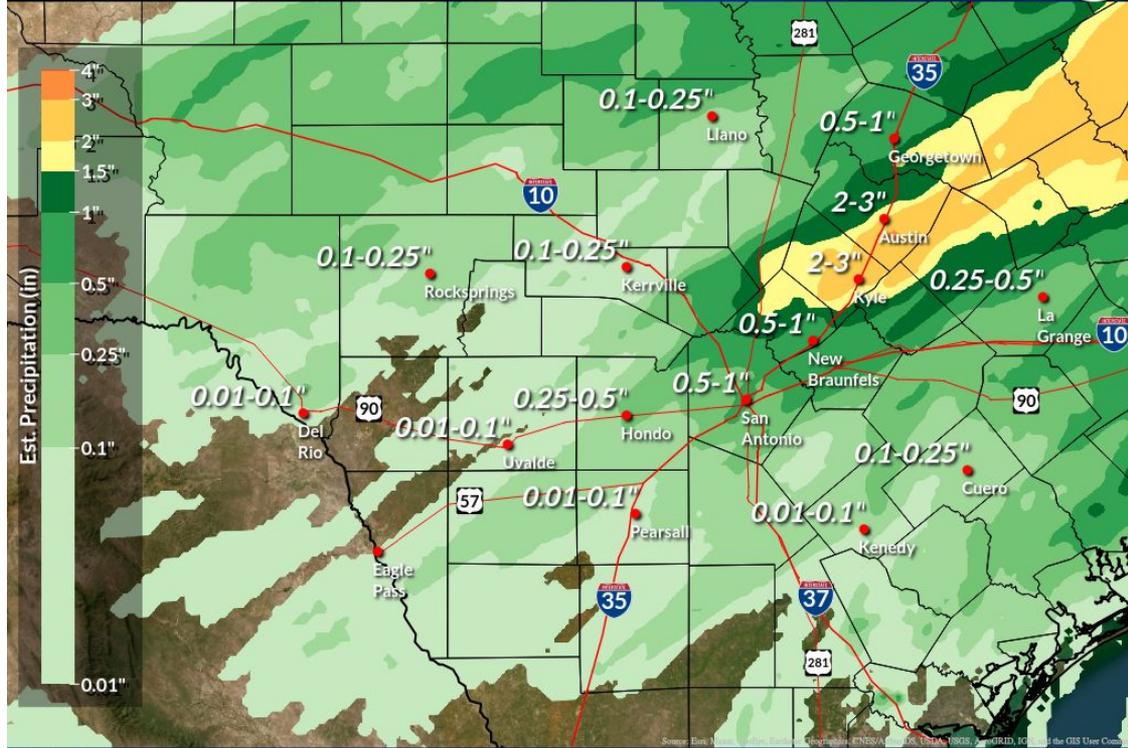
- The runoff from these storms did not result in flooding for any river forecast points however, localized flooding in urbanized areas was observed.

## 3-Day Estimated Rainfall

Valid: 02/10/2025 06:00 AM - 02/13/2025 06:00 AM CST

Weather Forecast Office  
Austin/San Antonio, TX

Issued Feb 13, 2025 8:16 AM CST



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weather.gov/ewx



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Austin/San Antonio, TX



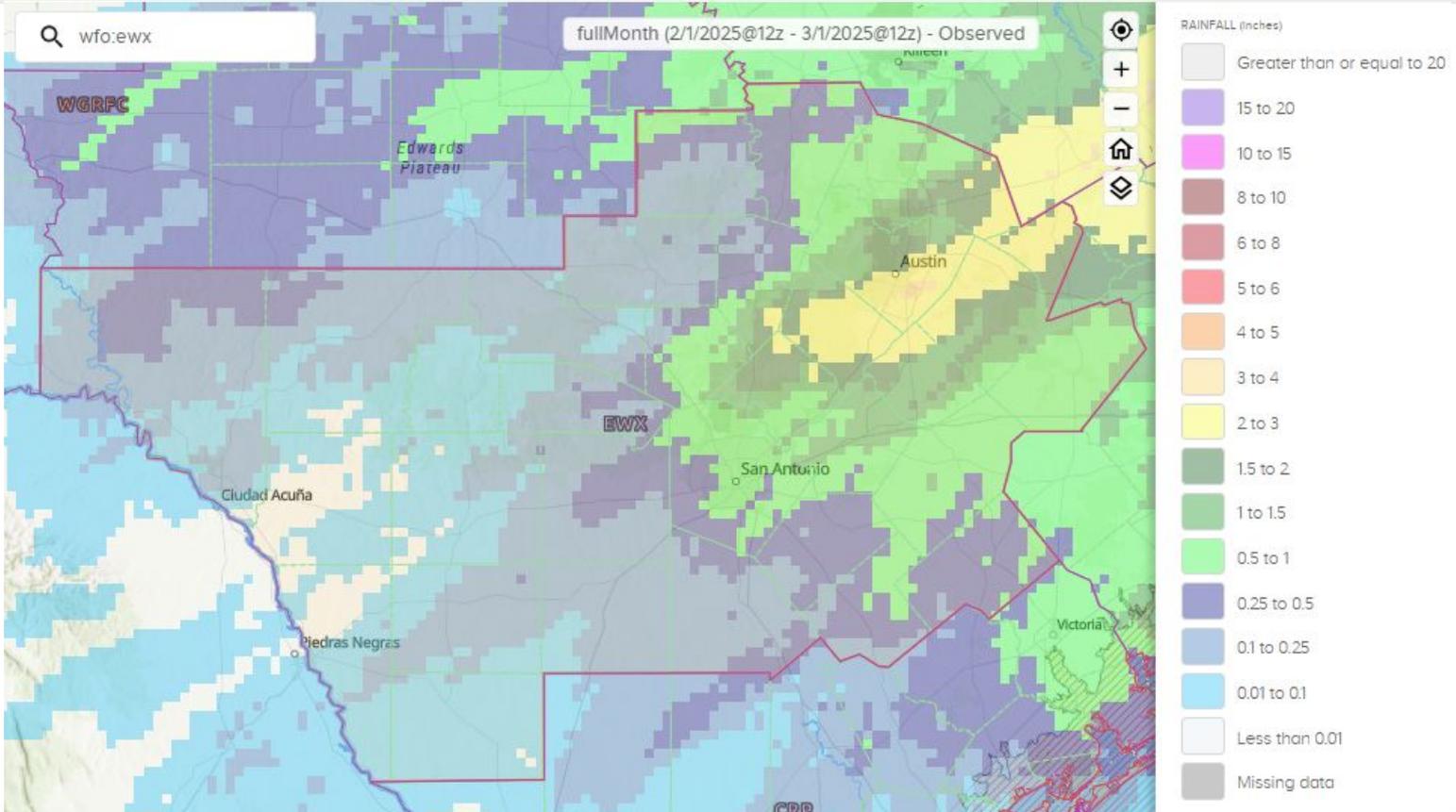
# Hydrologic Products Issued for the Month

Product Issued	Number Issued	Additional Comments
Flood Warning (FLW)	0	
Flood Advisory (FLS)	1	Issued for urbanized areas
Flood Watch (FFA)	0	
Flash Flood Warning (FFW)	0	
Flash Flood Statement (FFS)	0	
Hydrologic Outlook (ESF)	0	NWPS probabilistic forecasts automatically posted for the Brazos, Colorado, Guadalupe, San Antonio, Pecos, and Nueces Rivers.



# Monthly Rainfall

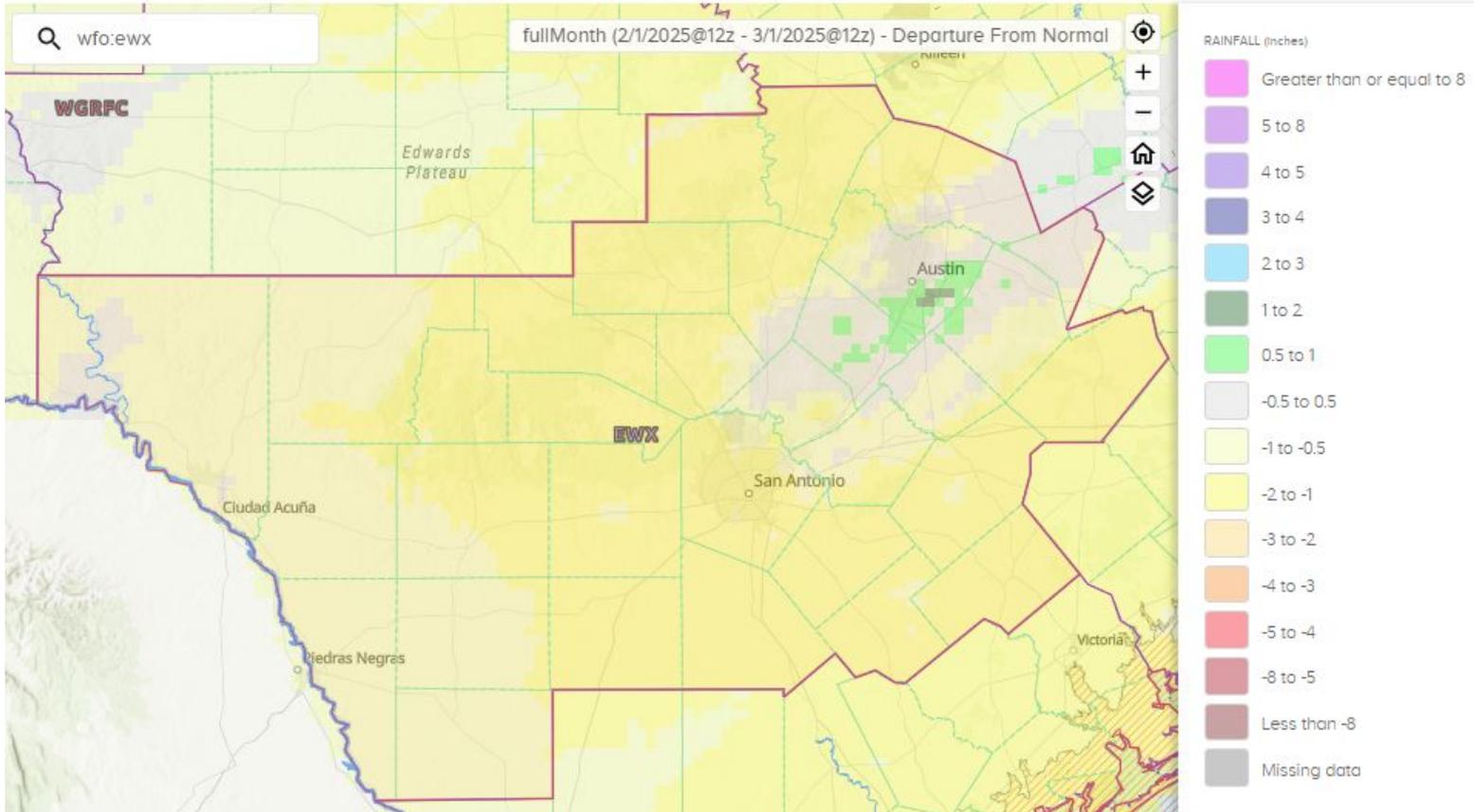
Observed Rainfall (Inches)





# Monthly Rainfall

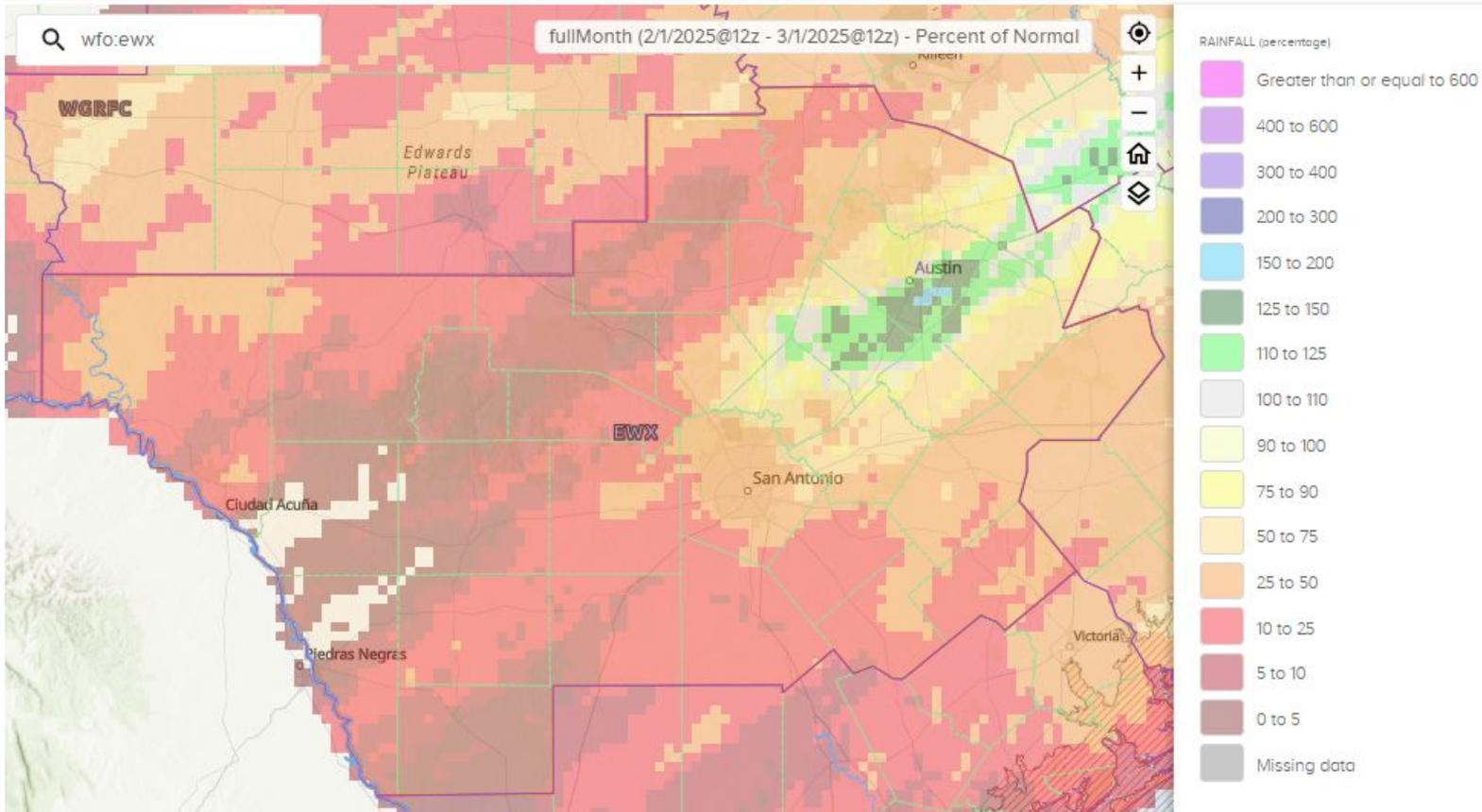
Departure from Normal Rainfall (Inches)





# Monthly Rainfall

Percent of Normal Rainfall (%)





# Climate Station Rainfall Data For the Month

Austin/San Antonio Area

	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
Austin – Bergstrom	3.72”	1.89”	5.64”	4.71”	120%
Austin – Mabry	1.62”	1.89”	3.63”	4.53”	80%
Del Rio	0.01”	0.63”	0.27”	1.24”	22%
San Antonio	0.57”	1.74”	1.71”	3.70”	46%

\*The monthly averages and normal values are for the period 1991-2020





# Climate Station Rainfall Data For the Season

Austin/San Antonio Area

	Winter Rainfall (Dec-Feb)	Winter Season Average	Seasonal Departure of Normal	Seasonal Percent of Normal
Austin – Bergstrom	7.65”	7.32”	+0.33”	105%
Austin – Mabry	4.83”	7.25”	-2.42”	67%
Del Rio	0.45”	1.94”	-1.94”	23%
San Antonio	2.28”	5.70”	-3.42”	40%

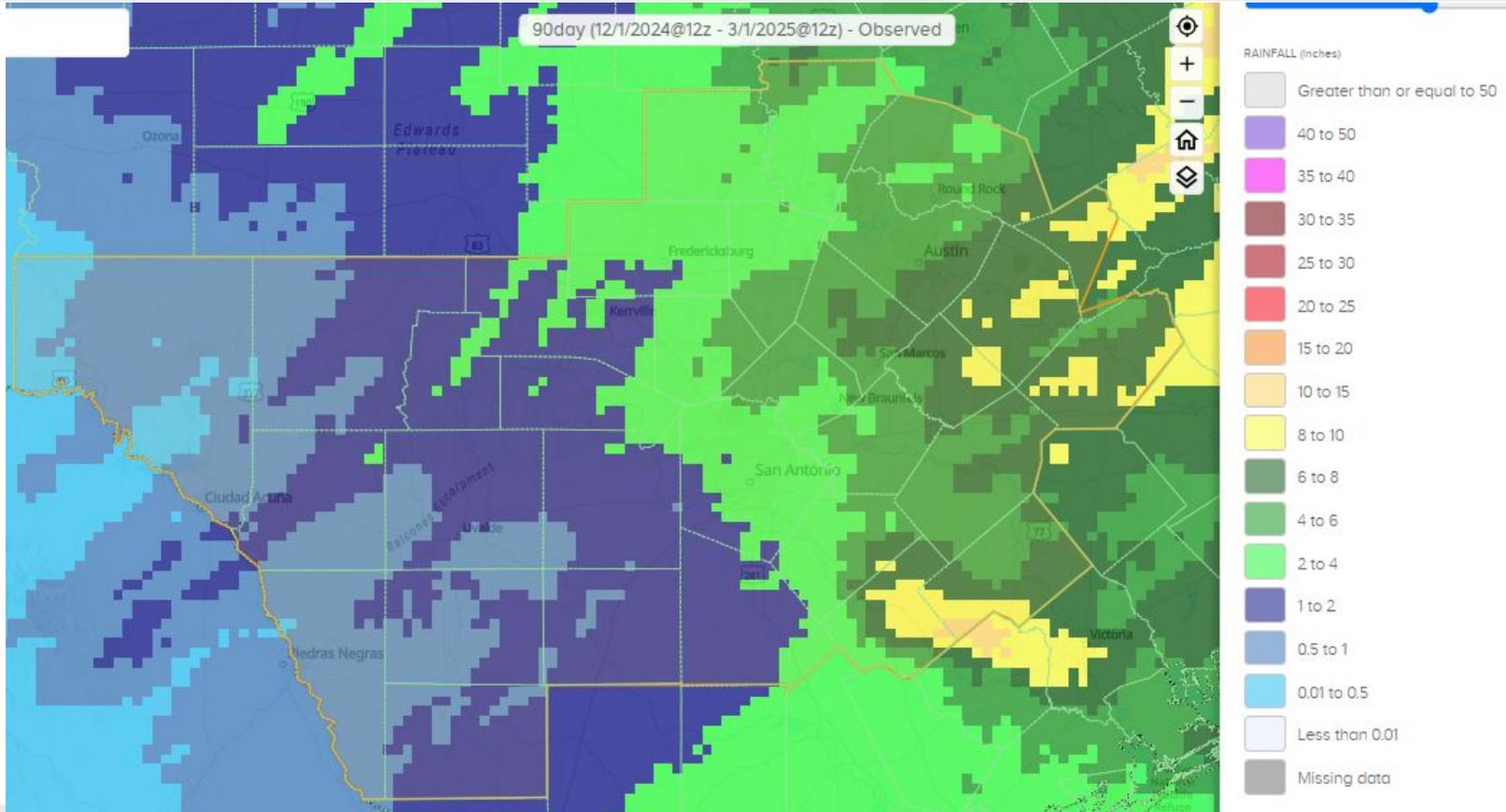
\*The seasonal normals values are for the period 1991-2020





# Seasonal Rainfall

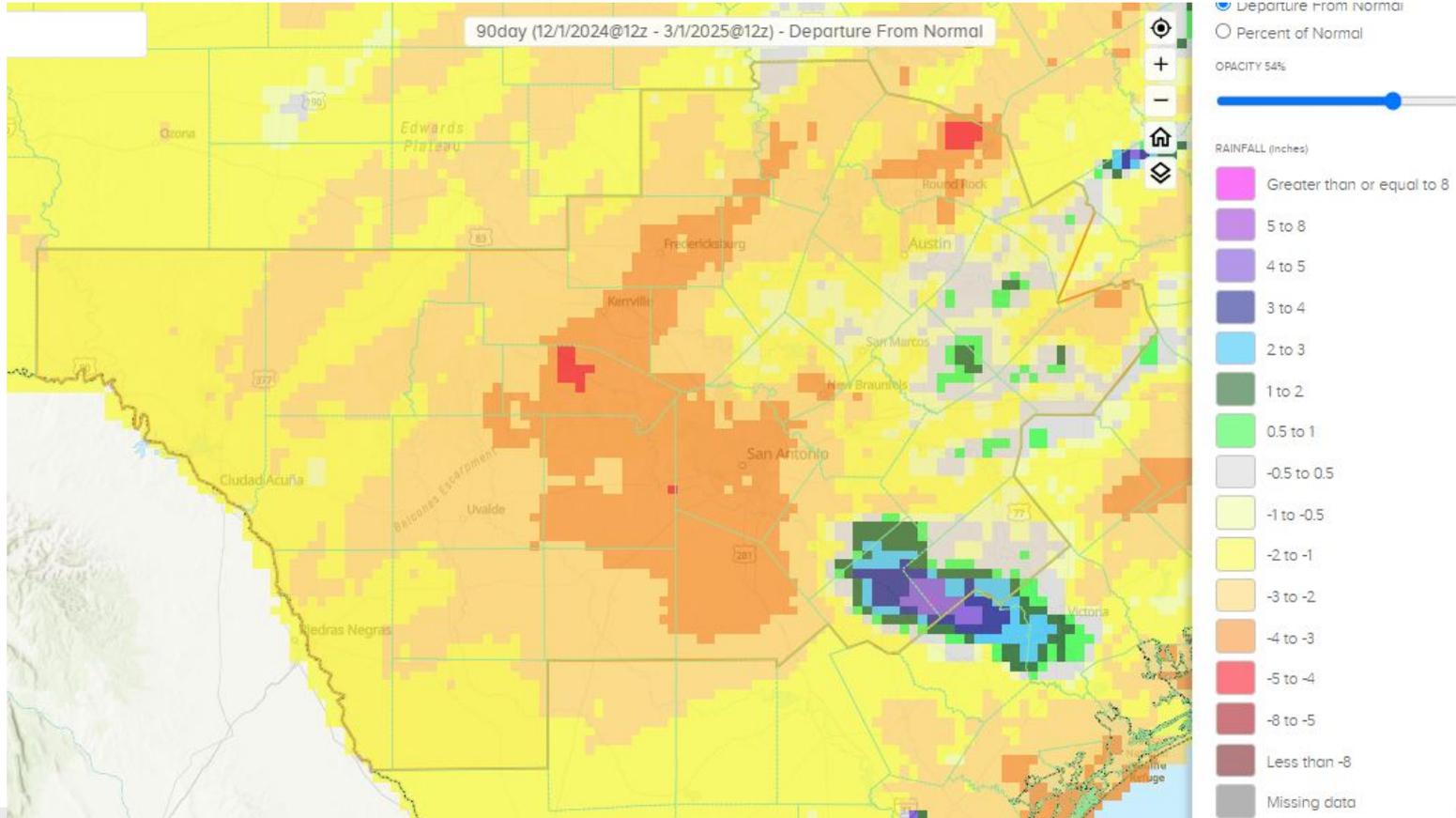
## Winter Observed Rainfall (Inches)





# Seasonal Rainfall

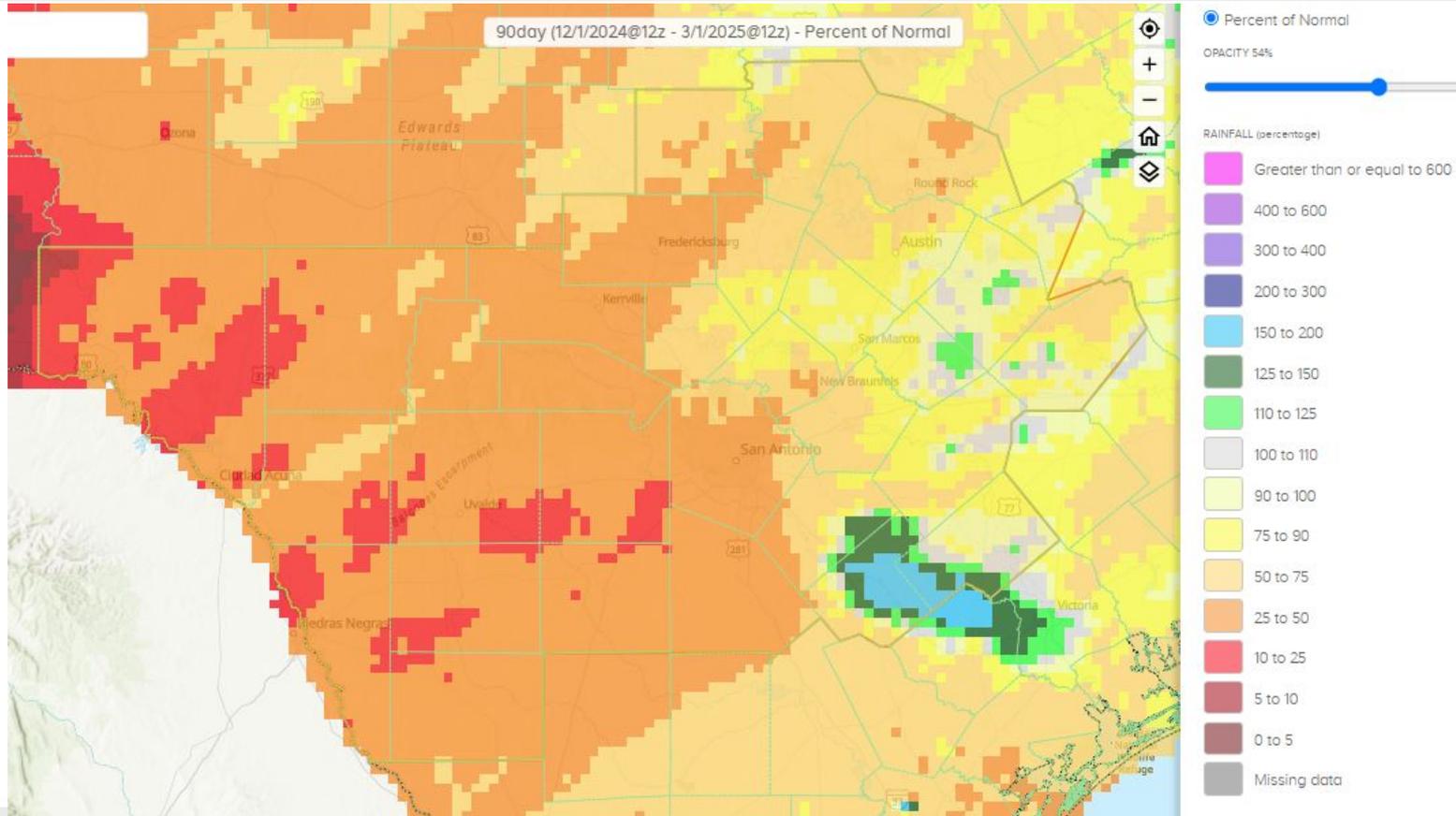
## Winter Departure from Normal Rainfall (Inches)





# Seasonal Rainfall

## Winter Percent of Normal Rainfall (%)





# Climate Station Rainfall Data For the Month

Nearby Offices:

	Monthly Rainfall	Monthly Average	2025 Rainfall Through Month	1991-2020 Normal Through Month	2025 Percent of Normal
College Station	2.38"	2.90"	4.60"	6.33"	73%
Corpus Christi	0.03"	1.29"	1.76"	2.68"	66%
Laredo	0.02"	0.83"	0.58"	1.73"	34%
San Angelo	0.27"	1.20"	0.99"	2.12"	47%
Victoria	0.79"	1.96"	3.56"	4.63"	77%
Waco	1.01"	2.68"	3.69"	5.27"	70%

\*The monthly averages and normal values are for the period 1991-2020



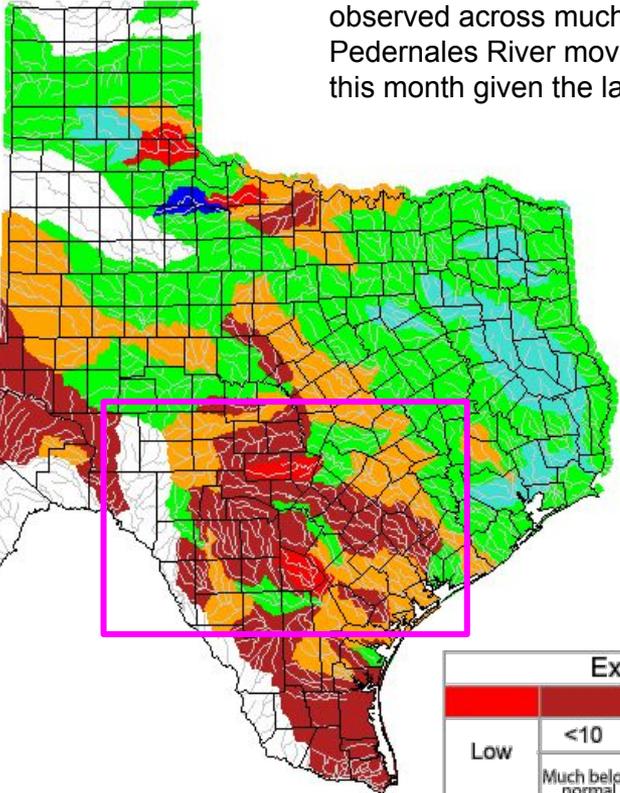


# Monthly Historical Streamflow Comparison

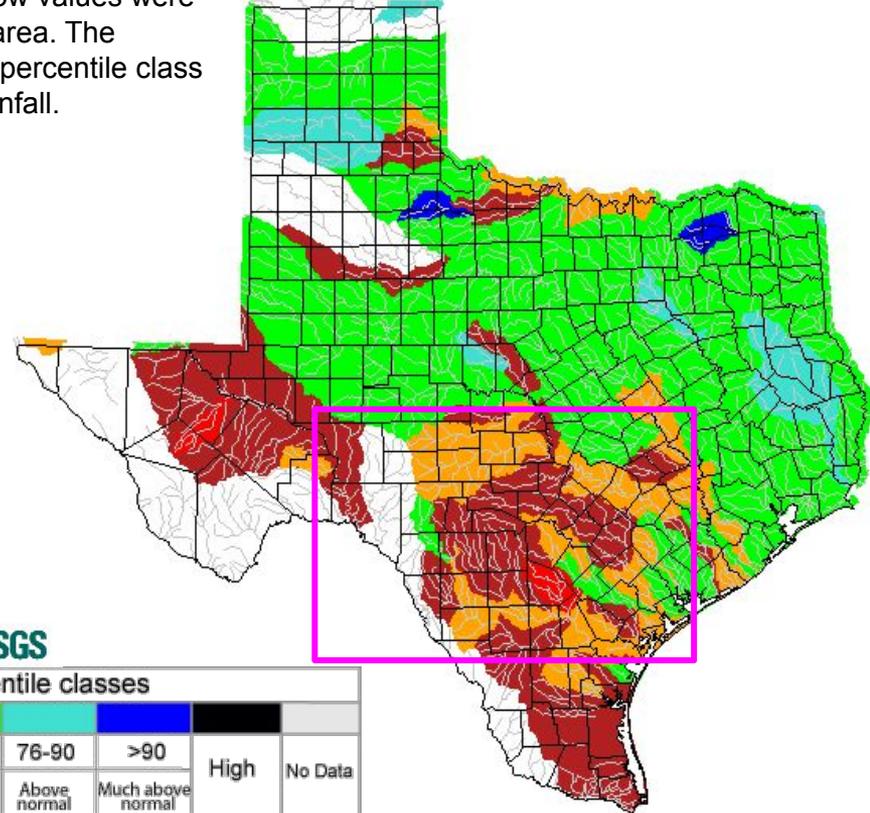
## Streamflow Comparison

February 2025

Below to much below normal streamflow values were observed across much of the service area. The Pedernales River moved into the Low percentile class this month given the lack of normal rainfall.



January 2025



Explanation - Percentile classes

Low	<10	10-24	25-75	76-90	>90	High	No Data
	Much below normal	Below normal	Normal	Above normal	Much above normal		





# Reservoir Data For the Month

Data from the TWDB [Water Data For Texas Dashboard](#)

Reservoir	Conservation Elevation (feet)	End of Month Elevation (feet)	Monthly Change (Feet)
Lake Buchanan	1020	1001.76	-0.82
Lake Travis	681	637.02	-0.33
Canyon Lake	909	879.44 New record low	-0.50
Medina Lake	1064.2	970.92	-0.60
Lake Amistad	1117	1051.17	-0.02





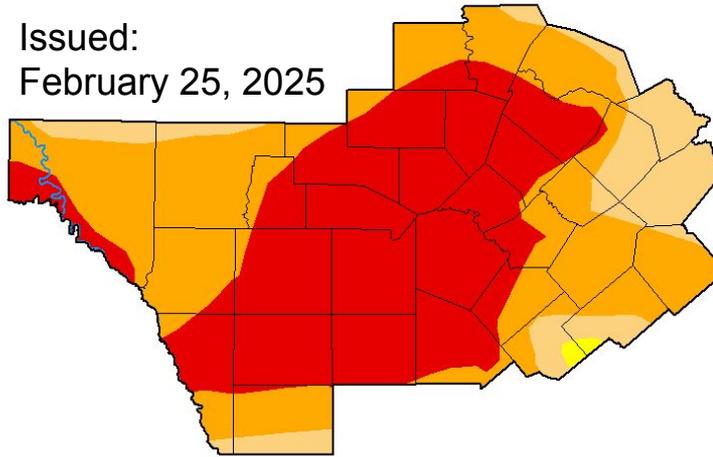
# Drought Conditions

## Monthly Drought Monitor Comparison

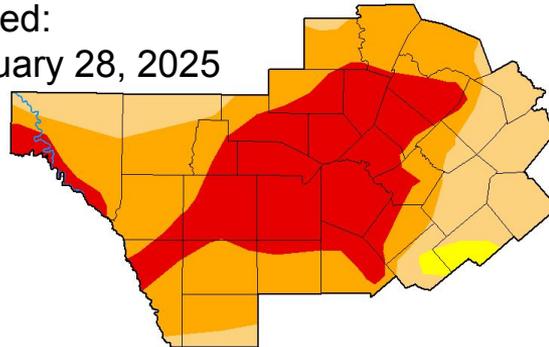
Another month with below normal rainfall across south-central Texas compounded with the long-term deficit for drought conditions to persist or expand. Only 0.38% of the area is considered abnormally dry (D0).

- D3 drought encompasses 46.71% of the CWA
- D2 drought encompasses 39.80% of the CWA
- D1 drought encompasses 13.11% of the CWA

Issued:  
February 25, 2025



Issued:  
January 28, 2025



**February 25, 2025**

(Released Thursday, Feb. 27, 2025)

Valid 7 a.m. EST

*Drought Conditions (Percent Area)*

	None	D0	D1	D2	D3	D4
<b>Current</b>	0.00	0.38	13.11	39.80	46.71	0.00
<b>Last Week</b> <i>02-18-2025</i>	0.00	1.56	21.25	34.20	42.99	0.00
<b>3 Months Ago</b> <i>11-26-2024</i>	0.00	1.83	45.30	34.81	18.06	0.00
<b>Start of Calendar Year</b> <i>01-07-2025</i>	0.00	1.57	42.72	37.65	18.06	0.00
<b>Start of Water Year</b> <i>10-01-2024</i>	9.75	56.59	28.92	4.42	0.33	0.00
<b>One Year Ago</b> <i>02-27-2024</i>	22.20	17.98	40.02	12.62	7.18	0.00

Intensity:





# One Month Outlook

## The Monthly Outlook for February

- The Precipitation Outlook shows a strong signal for below normal rainfall for the month of March across the service area
- The Temperature Outlook also shows a strong signal for above normal temperatures for the entire service area

[Click for latest graphics](#)

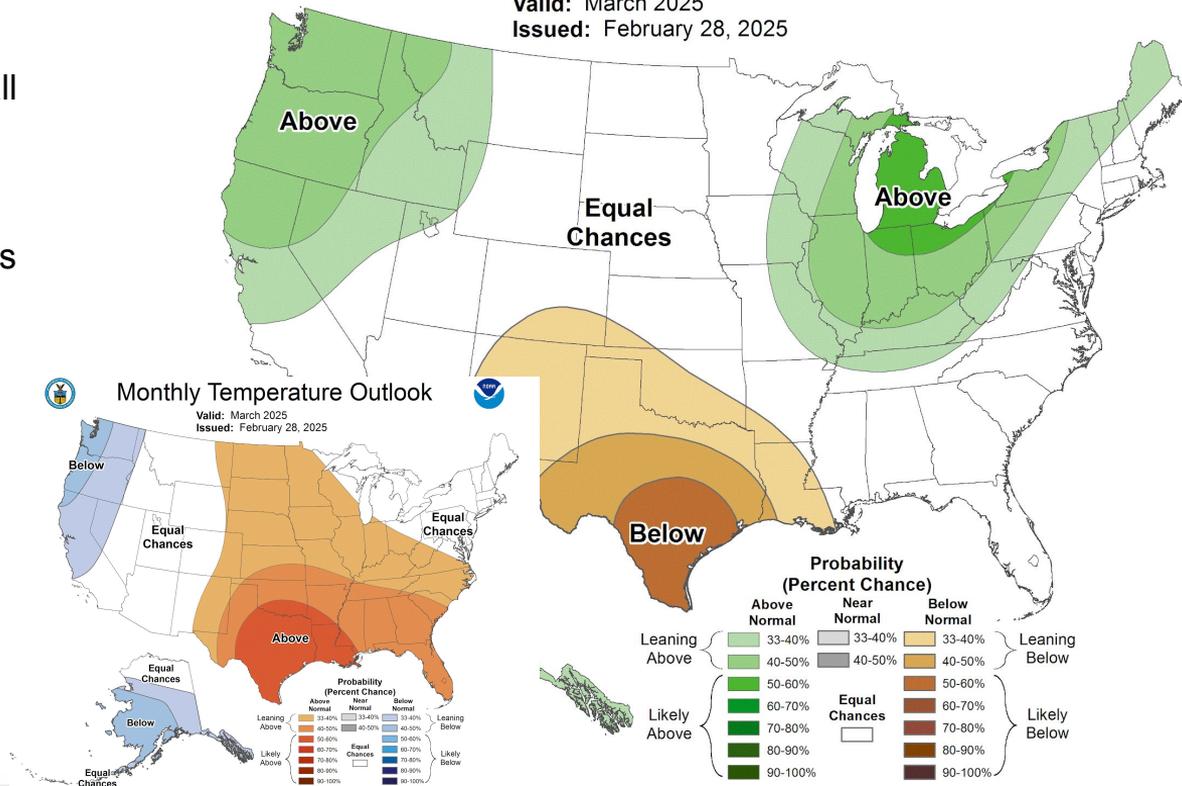


## Monthly Precipitation Outlook



Valid: March 2025

Issued: February 28, 2025





# Three Month Outlook

Looking at the Seasonal Outlook

- The Precipitation Outlook for the Spring season leans towards below normal precipitation for the entire service area
- Much like the monthly outlook, the Temperature Outlook for the Spring season shows a strong signal for above normal temperatures across the service area

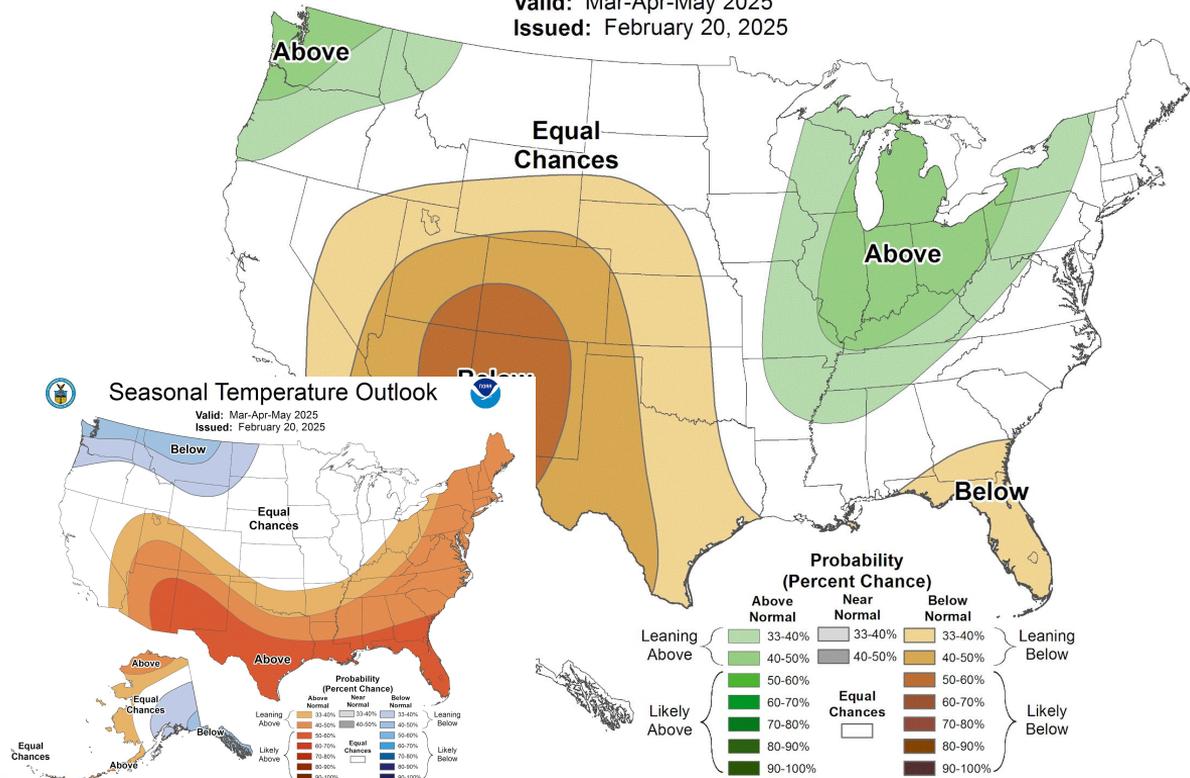
[Click for latest graphics](#)



## Seasonal Precipitation Outlook



Valid: Mar-Apr-May 2025  
Issued: February 20, 2025





**For additional rainfall, stream, soil moisture, or drought information please refer to the links provided below.**

Daily, Monthly and Yearly summaries of precipitation and departure from normal are available from the West Gulf River Forecast Center at: <http://www.weather.gov/wgrfc/>

Or from the Precipitation Analysis page at: <https://water.noaa.gov/precip>

Streamflow conditions are available from the United States Geological survey at:  
<http://waterdata.usgs.gov/tx/nwis/rt>

Soil moisture conditions are available from the Climate Prediction Center at:  
[http://www.cpc.ncep.noaa.gov/products/Soilmst\\_Monitoring/US/Soilmst/Soilmst.shtml](http://www.cpc.ncep.noaa.gov/products/Soilmst_Monitoring/US/Soilmst/Soilmst.shtml)

National Integrated Drought Information System: <http://www.drought.gov/>



# Seasonal Rainfall Data

