

NWS Houston, Texas December 2023 Regional Climate Summary



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...Slightly Above Normal Temperatures...Another Below Normal Month for Rainfall...

2023 ended rather quietly weather-wise after our record filled year. There was only one daily record set in our area this month, a daily rainfall record at Galveston on the 1st of the month. While there were no temperature records set this month, the month on average was about one to two degrees above normal temperature wise. There were a few cold fronts that passed through the area this month, but they didn't produce much rainfall for the area except along the coast. Because of this, drought conditions worsened north of Conroe, but improved along the coast through the month.

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By the Numbers: December 2023

	Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
	City of Houston, TX (1888)	57.3°F	31 st Warmest	2.57"	53 rd Driest
	Houston Hobby, TX (1930)	59.2°F	11 th Warmest	2.71"	31 th Driest
	City of Galveston, TX (1871)	60.8°F	16 th Warmest	1.93"	74 th Driest
	City of College Station, TX (1882)	56.0°F	16 th Warmest	1.93"	40 th Driest
\	Palacios, TX (1943)	59.1°F	16 th Warmest	2.72"	39 th Wettest
	Huntsville, TX (1997)	55.3°F	6 th Warmest	1.60"	8 th Driest
	Sugar Land, TX (2000)	58.3°F	7 th Warmest	2.05"	9 th Driest
	Conroe, TX (1997)	53.5°F	10 th Warmest	2.12"	7 th Driest
	Clover Field (Pearland), TX (1997)	58.0°F	9 th Warmest	1.84"	5 th Driest
	David Wayne Hooks (Tomball), TX (1998)	56.7°F	6 th Warmest	1.74"	8 th Driest
	Angleton, TX (1998)	57.9°F	7 th Warmest	3.49"	12 th Wettest
	League City, TX (1990)	57.4°F	8 th Warmest	3.02"	13 th Driest

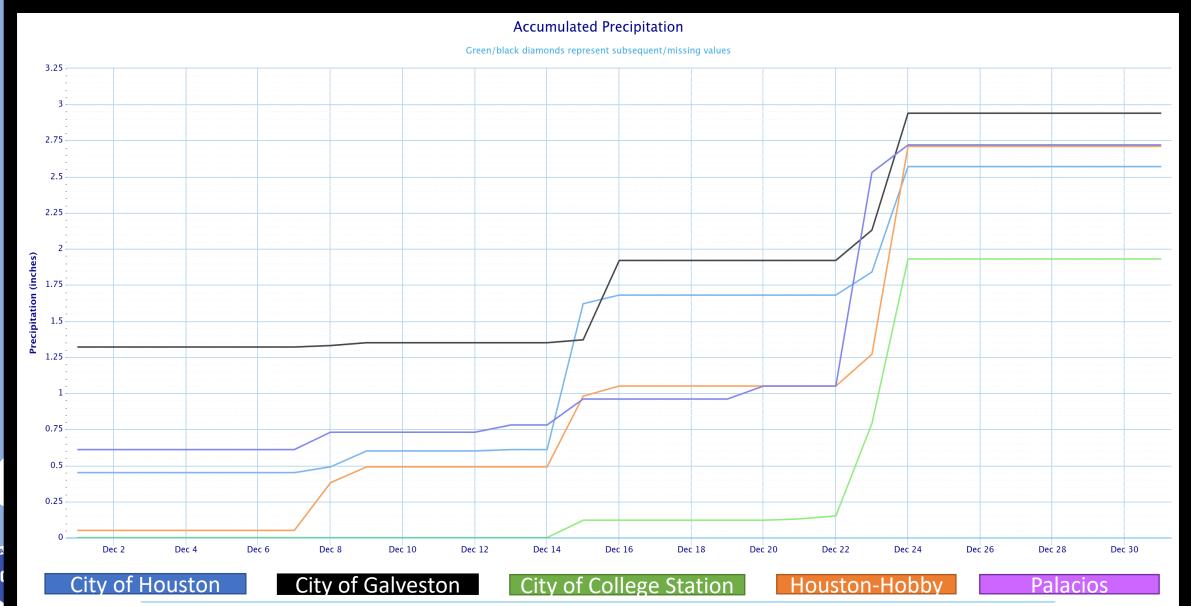




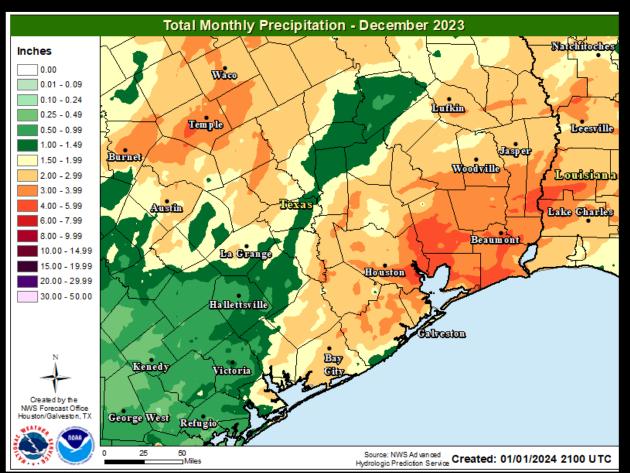
Precipitation

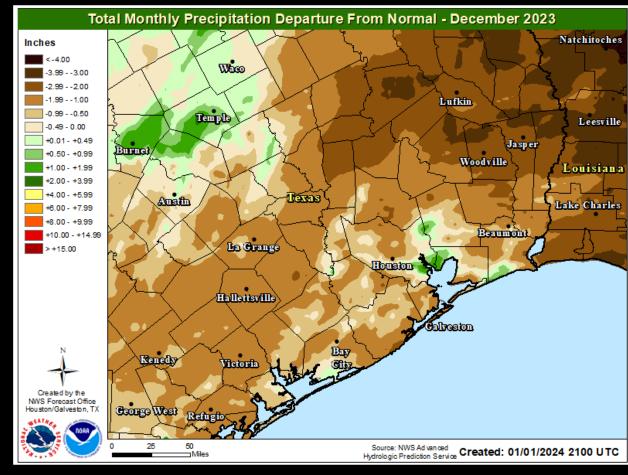
Location Total Precipitation (in.)		Departure from Normal (in.)	Number of Thunder Days		ly Precipitation date)
Galveston (GLS)	2.94	-1.29	2	1.32	1 st
Houston Hobby (HOU)	2.71	-1.63	2	1.44	24 th
City of Houston (IAH)	2.57	-1.46	2	1.01	15 th
College Station (CLL)	1.93	-1.78	1	1.14	24 th
Palacios (PSX)	2.72	-0.26	2	1.48	23 rd

Precipitation Accumulation Graph



Precipitation Maps









Temperature

Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	66.5	55.1	60.8	+2.3	79 on the 9 th	44 on the 29 th & 30 th
Houston Hobby (HOU)	68.2	50.2	59.2	+2.3	82 on the 9 th	37 on the 11 th & 30 th
City of Houston (IAH)	67.7	47.0	57.3	+1.9	81 on the 9 th	33 on the 11 th
College Station (CLL)	67.2	44.8	56.0	+2.9	80 on the 9 th	30 on the 30 th
Palacios (PSX)	68.7	49.5	59.1	+1.1	78 on the 9 th	36 on the 11 th





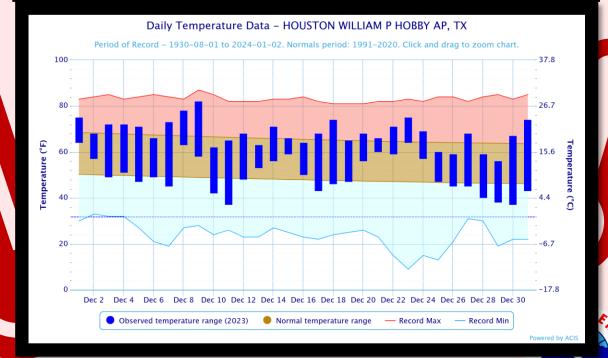


Temperature Charts

Daily Temperature Data – Houston Area, TX (ThreadEx) Period of Record – 1889-05-01 to 2024-01-02. Normals period: 1991-2020. Click and drag to zoom chart. 37.8 40 Dec 2 Dec 4 Dec 6 Dec 8 Dec 10 Dec 12 Dec 14 Dec 16 Dec 18 Dec 20 Dec 22 Dec 24 Dec 26 Dec 28 Dec 30 Observed temperature range (2023) Normal temperature range Record Max Record Min

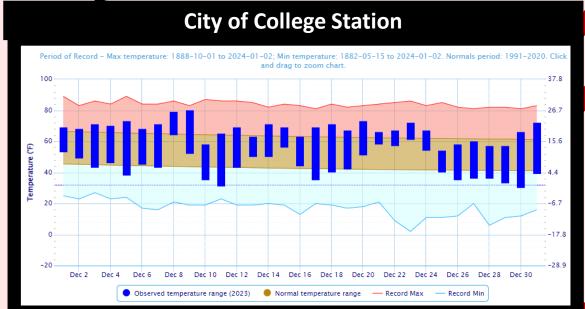




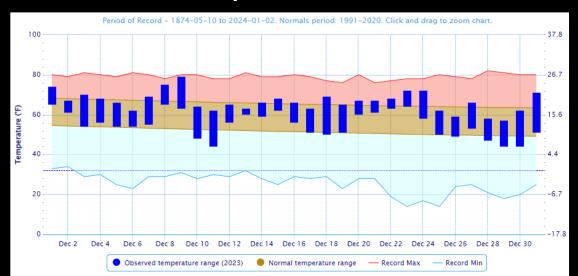




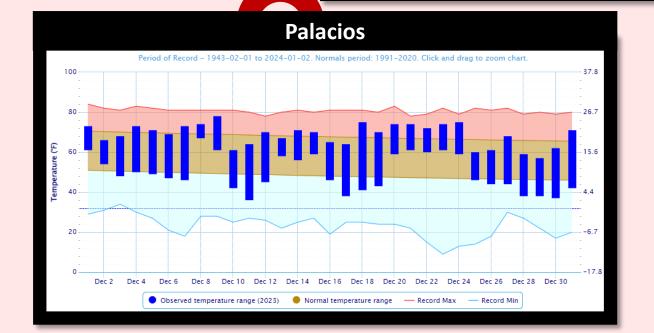
Temperature Charts



City of Galveston











Daily Record Reports – City of College Station

10

Previous Record Record Type New Record Date

There were no daily records set this month.

There were no daily records set at College **Station this** month.





High Max

Low Max

Precip

Snow

High Min



Key

Daily Record Reports - City of Houston

11

Date Record Type

New Record

Previous Record

There were no daily records set this month.

There were no daily records set at Houston this month.





Low Max

Key Precip

Snow

High Min



Daily Record Reports — Houston-Hobby

12

Record Type Date

New Record

Previous Record

There were no daily records set this month.

There were no daily records set at **Houston-Hobby this** month.





High Max

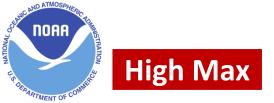
Daily Record Reports - City of Galveston



Date	Record Type	New Record	Previous Record
1 st	Daily Precip	1.32"	1.29"in 2009

There was 1
daily record
set at
Galveston this
month.





Key

Precip

Low Max

Snow

High Min

Daily Record Reports - Palacios

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Date

Record Type

New Record

Previous Record

There were no daily records set this month.

There were no daily records set at **Palacios this** month.





Precip

Key

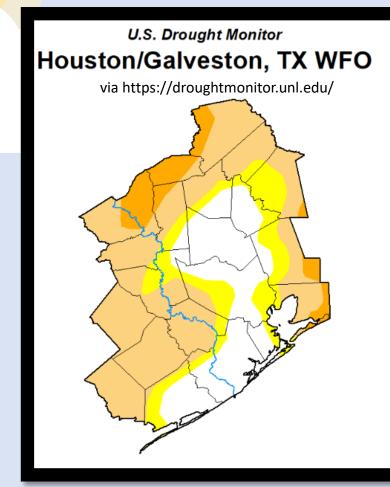
Snow

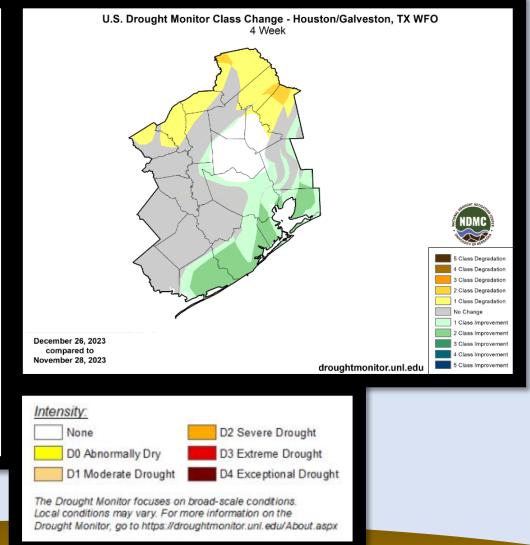
High Min



Drought Monitor As of November 28th





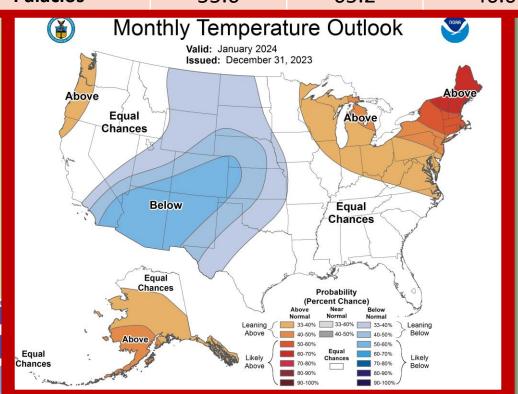




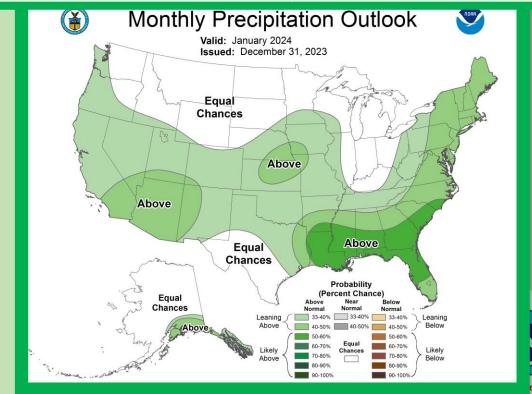


January Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	56.0	63.2	48.9
Houston Hobby	55.0	63.8	46.1
City of Houston	53.8	63.8	43.7
College Station	51.5	61.7	41.3
Palacios	55.6	65.2	46.0



Location	Normal Monthly Precipitation (in.)
Galveston	4.30
Houston Hobby	4.09
City of Houston	3.76
College Station	3.43
Palacios	3.25

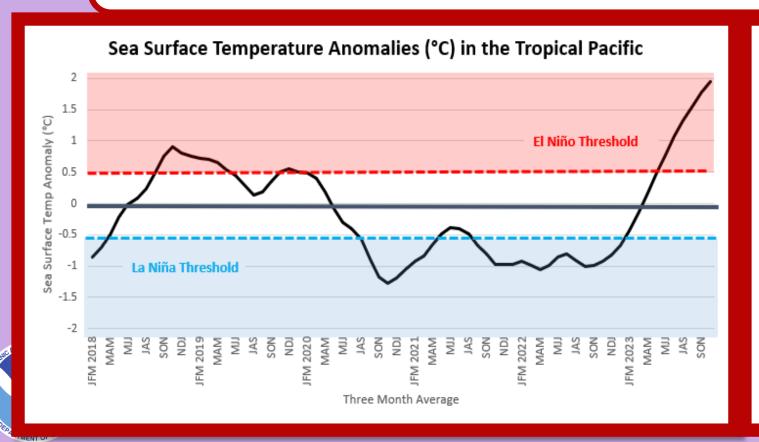


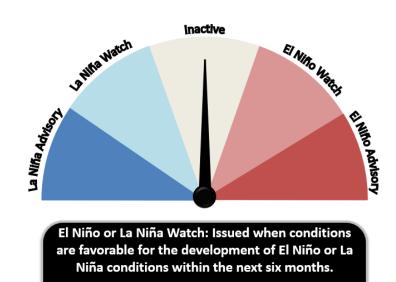


Current ENSO Phase: El Niño

The Climate Prediction Center's ENSO Forecast: El Niño Advisory

- El Niño conditions are present and are expected to continue through the winter.
- There is a 60% chance that it will transition to ENSO-neutral during the late Spring to early Summer time period.





El Niño or La Niña Advisory: Issued when El Niño or La Niña conditions are observed and expected to continue.



Climate Primary Site History

Galveston (GLS)

Records for Galveston are from observations at the following locations: 67-69 Strand (April 1, 1871 - Aug 31, 1874); 23rd and the Strand (Sep 1, 1874 - July 29, 1878), 1.75 miles WSW of the previous location; the Custom House at Bath Street and the Strand (July 30, 1878 - May 8, 1882); Colorado and Santa Fe Railroad Building at 25th and the Strand (May 9, 1882 - March 14, 1883); back to the Custom House which later became the Cotton Exchange Building (March 15, 1883 - June 24, 1898), about a 1/3 of a mile E of the previous Custom House location; The Levy Building at 2223 Market Street (June 25, 1898 - Nov 26, 1900); the Trust Building at Tremont and Post Office Streets (Nov 27, 1900 - June 24, 1946), one-quarter mile south of the Levy Building; the U.S. Post Office Building at 601 Rosenberg (June 25, 1946 - 1994); Scholes Field (January 1995 to present).

City of Houston (IAH)

Records for the City of Houston are from observations at the following locations: Cotton Station from July 1881 through September 1909, Stewart Building at Preston and Fannin from September 1909 through February 1926, Shell Building at Texas and Fannin from March 1926 through August 1938, Federal Building at Franklin and Fannin from August 1938 through May 1969, Intercontinental Airport from June 1969 to the present.

College Station (CLL)

Records from 1893 through July 1951 are based on observations taken at the Texas Agriculture Experiment COOP Station main farm located 6 miles southwest of College Station. Records from August 1951 through the present are based on observations taken at Easterwood Field.

Houston Hobby (HOU)

Records are based upon observations beginning in August 1931.

Palacios (PSX)

Records are based upon observations beginning in February 1943.



