

NWS Houston, Texas January 2024 Regional Climate Summary



Produced by Josh Lichter & Jimmy Fowler

...Drought Busting Rain...First Freeze of the Year...

The first month of 2024 was cold and wet. On average, this January was around two to three degrees below normal with the coldest period being around 15th to the 17th where much of the area experienced hard freezes and wind chill advisories. Freezing rain and sleet fell across much of the region at the start of this cold weather outbreak. The other big weather story of the month was the widespread heavy rainfall that occurred between the 21st and 26th. While this rainfall was beneficial to the removal of drought conditions across the area, it also produced minor to major river flooding.



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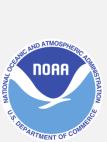
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By the Numbers: January 2024

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	50.8°F	37 th Coolest	8.77"	6 th Wettest
Houston Hobby, TX (1930)	52.5°F	41st Coolest	7.76"	5 th Wettest
City of Galveston, TX (1871)	54.1°F	79 th Coolest	8.59"	6 th Wettest
City of College Station, TX (1882)	48.3°F	31 st Coolest	7.78"	5 th Wettest
Palacios, TX (1943)	52.4°F	23 rd Coolest	6.34"	7 th Wettest
Huntsville, TX (1997)	48.1°F	9 th Coolest	13.69"	Wettest on Record
Sugar Land, TX (2000)	51.2°F	9 th Coolest	8.45"	2 nd Wettest
Conroe, TX (1997)	47.4°F	5 th Coolest	7.57"	4 th Wettest
Clover Field (Pearland), TX (1997)	51.8°F	7 th Coolest	8.02"	Wettest on Record
David Wayne Hooks (Tomball), TX (1998)	50.2°F	9 th Coolest	8.32"	2 nd Wettest
Angleton, TX (1998)	52.5°F	9 th Coolest	7.85"	2 nd Wettest
League City, TX (1990)	51.5°F	13 th Coolest	10.86"	Wettest on Record

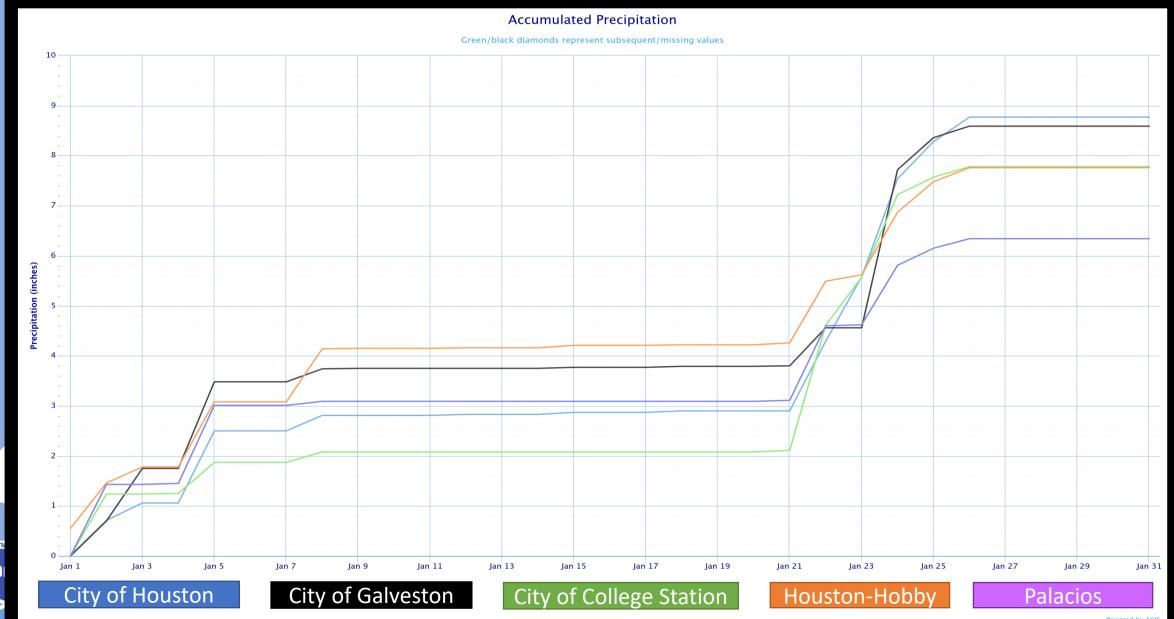




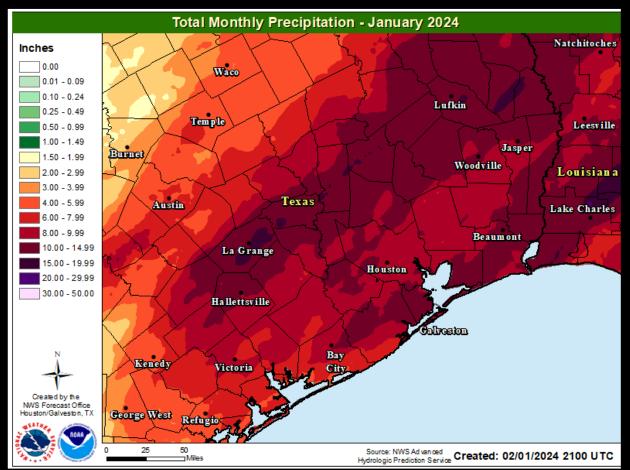
Precipitation

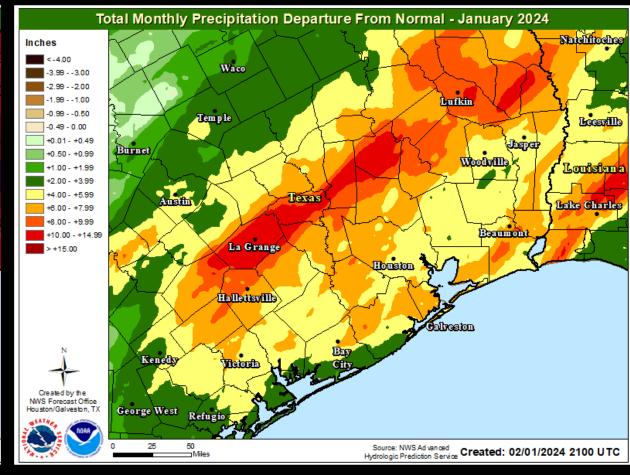
Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days		y Precipitation date)
Galveston (GLS)	8.59	+4.29	6	3.16	24 th
Houston Hobby (HOU)	7.76	+3.67	8	1.30	5 th
City of Houston (IAH)	8.77	+5.01	5	1.96	24 th
College Station (CLL)	7.78	+4.35	5	2.50	22 nd
Palacios (PSX)	6.34	+3.09	5	1.56	5 th

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)	61.2	47.1	54.1	-1.9	72 on the 11 th	24 on the 16 th
Houston Hobby (HOU)	61.8	43.1	52.5	-2.5	78 on the 11 th	20 on the 16 th
City of Houston (IAH)	61.2	40.4	50.8	-3.0	78 on the 11 th	18 on the 16 th
College Station (CLL)	58.8	37.8	48.3	-3.2	77 on the 31 st	16 on the 17 th
Palacios (PSX)	61.7	43.2	52.4	-3.2	73 on the 11 th	20 on the 16 th & 17 th

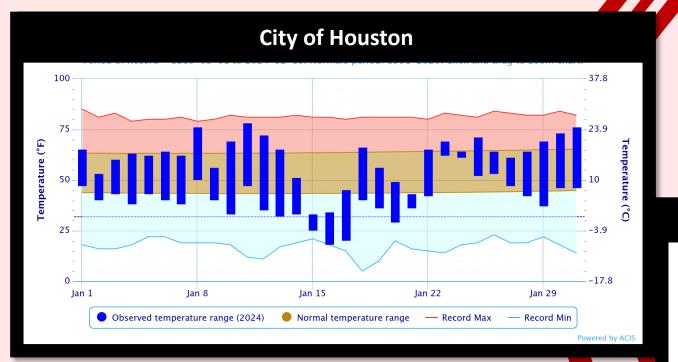




-17.8

Jan 29

Temperature Charts



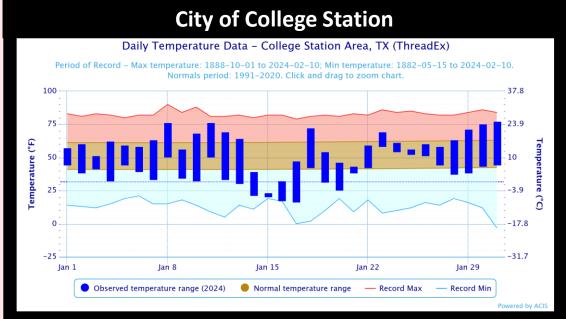


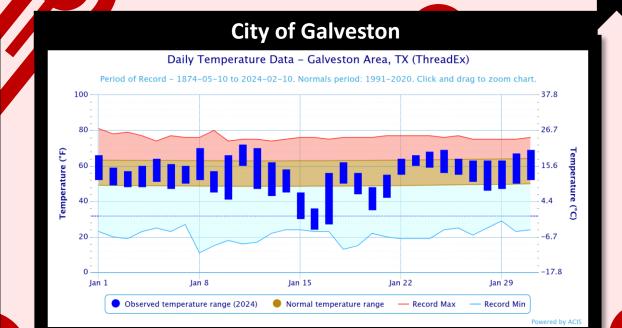
Daily Temperature Data – HOUSTON WILLIAM P HOBBY AP, TX Period of Record – 1930–08–01 to 2024–02–10. Normals period: 1991–2020. Click and drag to zoom chart. Temperature (°C) Temperature (°C)

Jan 15

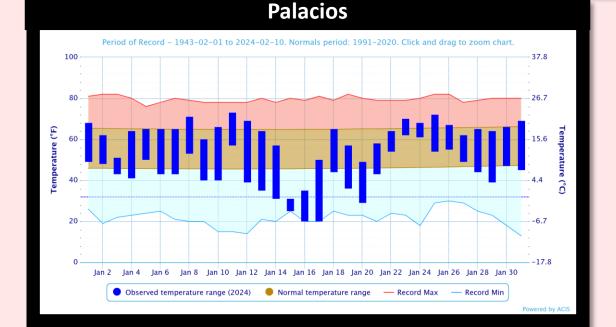


Temperature Charts













Daily Record Reports - City of College Station



Date	Record Type	New Record	Previous Record
15 th	Low Maximum	23°F	34°F in 1917
16 th	Low Minimum	17°F	19°F in 2018

There were 2 daily records set at College Station this month.





Low Max

Precip

Key

Snow



Daily Record Reports - City of Houston



Date	Record Type	New Record	Previous Record
5 th	Daily Precip	1.44"	1.39" in 1979
15 th	Low Maximum	33°F	37°F in 1917
16 th	Low Minimum	18°F	22°F in 1972
16 th	Low Maximum	34°F	37°F in 2007

There were 4 daily records set at Houston this month.





Low Max

Precip

Key

Snow



Daily Record Reports - Houston-Hobby



Date	Record Type	New Record	Previous Record
15 th	Low Maximum	37°F	43°F in 1984
16 th	Low Minimum	20°F	25°F in 2018
16 th	Low Maximum	34°F	38°F in 2007

There were 3
daily records
set at
HoustonHobby this
month.





Key

Precip

Snow



Daily Record Reports - City of Galveston



Date	Record Type	New Record	Previous Record
24 th	Daily Precip	3.16"	2.60" in 1882

There was 1
daily record
set at
Galveston this
month.









Key





Daily Record Reports - Palacios

1	4	

Date	Record Type	New Record	Previous Record
5 th	High Precip	1.56"	1.26" in 2002
15 th	Low Minimum	25°F	27°F in 1979
15 th	Low Maximum	31°F	44°F in 1984
16 th	Low Minimum	20°F	27°F in 2018
16 th	Low Maximum	35°F	38°F in 2007
17 th	Low Minimum	20°F	21°F in 2018

Low Max

There were 6 daily records set at Palacios this month.





Key

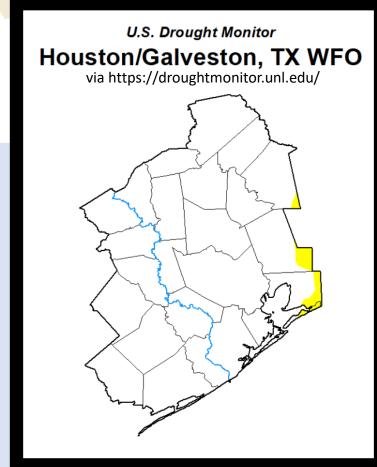
Precip

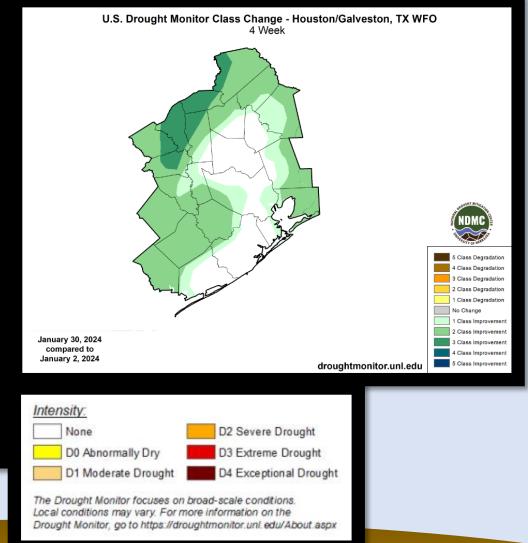
Snow



15

Drought Monitor As of January 30th



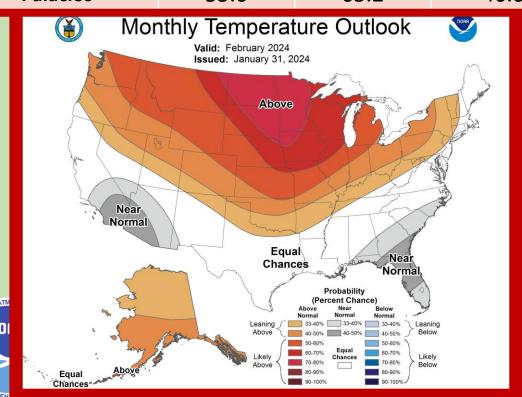




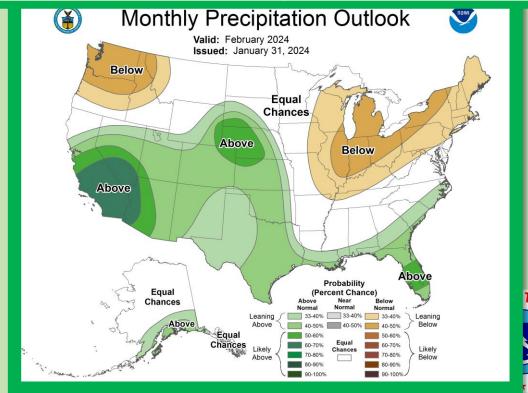


February Outlook

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

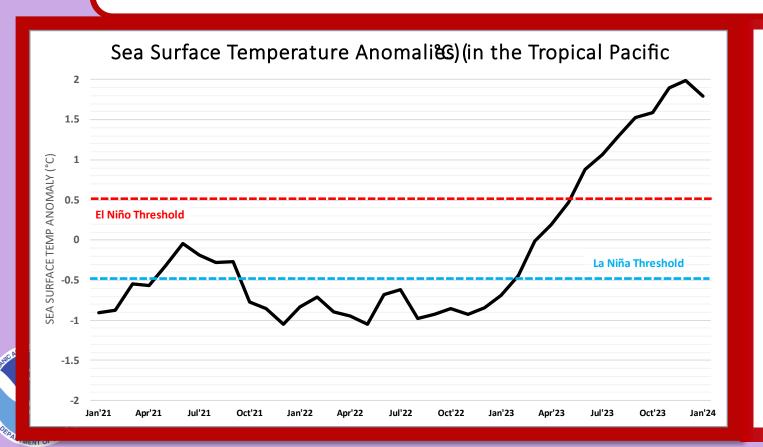


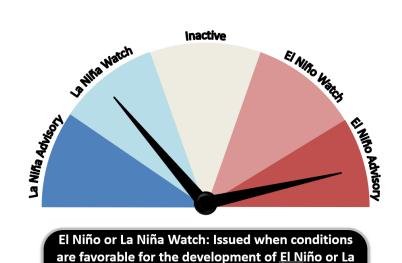


Current ENSO Phase: El Niño

The Climate Prediction Center's ENSO Forecast: El Niño Advisory - La Niña Watch

- El Niño conditions are present, but are expected to transition to ENSO-neutral by April-June
- Odds are increasing of La Niña developing during the Summer (55%), so a La Niña Watch has been issued





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

Niña conditions within the next six months.



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.



