

NWS Houston, Texas February 2024 Regional Climate Summary

Produced by Josh Lichter & Jimmy Fowler

...Wet Start of the Month Eliminates All Drought...

The wet weather from January continued into the start of February, though not much additional rain fell the rest of the month. Rainfall totals for the month were around one to three inches with locally higher amounts north of Lake Livingston. While many locations ended up with around one inch below normal for the month, drought conditions were eliminated across the area. Not even D0-Abnormally Dry conditions were seen by the end of the month. Temperatures were on the warmer side for the month with average temperatures being around two to four degrees above normal.

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By the Numbers: February 2024

Location (records started)	Average Temp	Ranking	Total Rainfall	Ranking
City of Houston, TX (1888)	61.9°F	9 th Warmest	1.91"	45 th Driest
Houston Hobby, TX (1930)	62.9°F	6 th Warmest	1.84"	29 th Driest
City of Galveston, TX (1871)	61.8°F	17 th Warmest	2.85"	54 th Wettest
City of College Station, TX (1882)	60.0°F	11 th Warmest	3.09"	54 th Wettest
Palacios, TX (1943)	61.0°F	15 th Warmest	2.58"	33 rd Wettest
Huntsville, TX (1997)	60.0°F	4 th Warmest	4.86"	4 th Wettest
Sugar Land, TX (2000)	61.8°F	4 th Warmest	1.53"	9 th Driest
Conroe, TX (1997)	58.6°F	5 th Warmest	1.11"	5 th Driest
Clover Field (Pearland), TX (1997)	61.6°F	7 th Warmest	1.38"	11 th Driest
David Wayne Hooks (Tomball), TX (1998)	61.7°F	2 nd Warmest	1.26"	9 th Driest
Angleton, TX (1998)	61.1°F	7 th Warmest	2.30"	8 th Wettest
League City, TX (1990)	61.1°F	7 th Warmest	2.44"	14 th Wettest

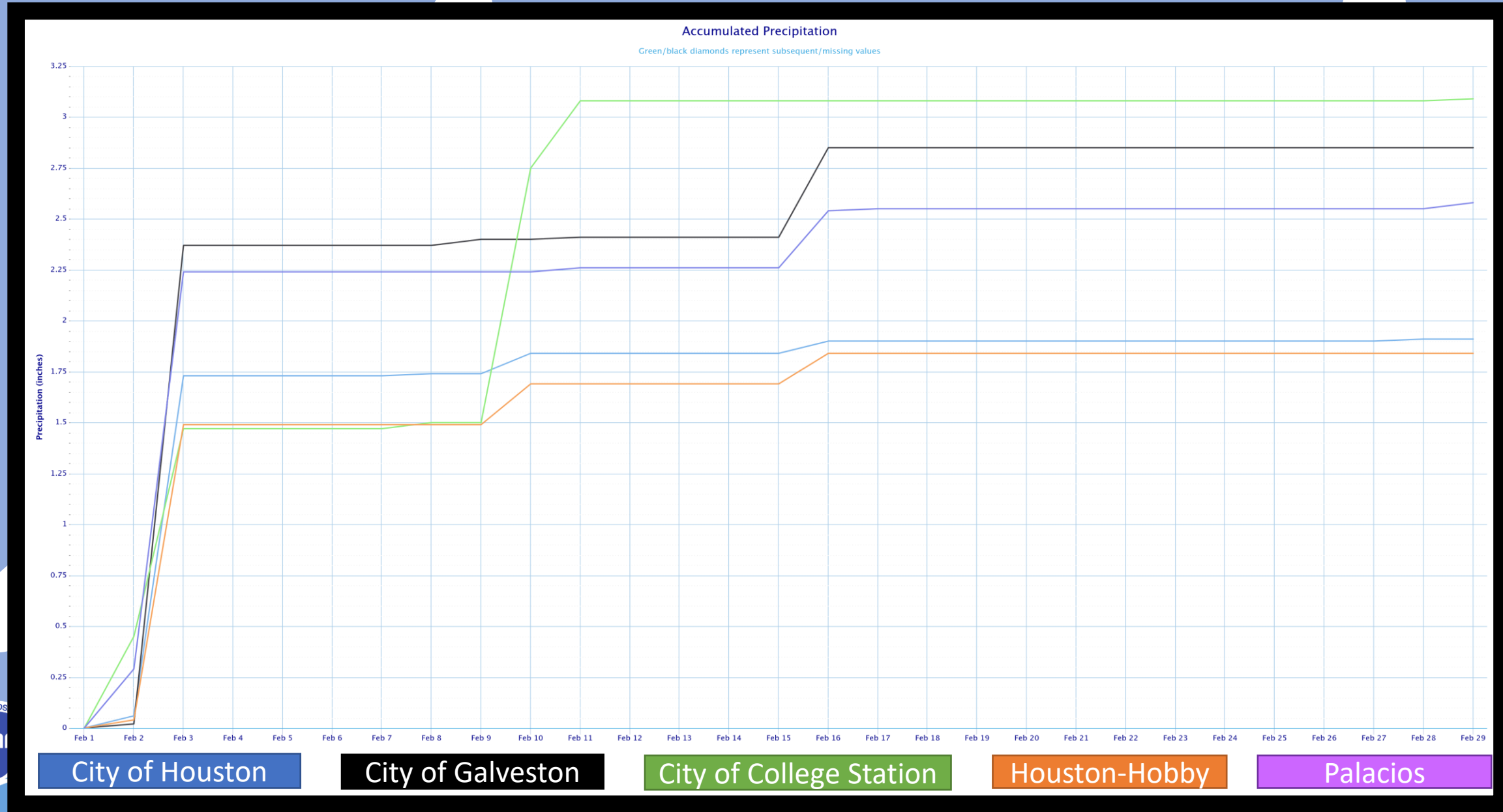


Precipitation

Location	Total Precipitation (in.)	Departure from Normal (in.)	Number of Thunder Days	Maximum Daily Precipitation (in./date)	
Galveston (GLS)	2.85	+0.71	2	2.35	3 rd
Houston Hobby (HOU)	1.84	-1.01	1	1.45	3 rd
City of Houston (IAH)	1.91	-1.06	2	1.67	3 rd
College Station (CLL)	3.09	+0.19	4	1.25	10 th
Palacios (PSX)	2.58	+0.69	2	1.95	3 rd



Precipitation Accumulation Graph



City of Houston

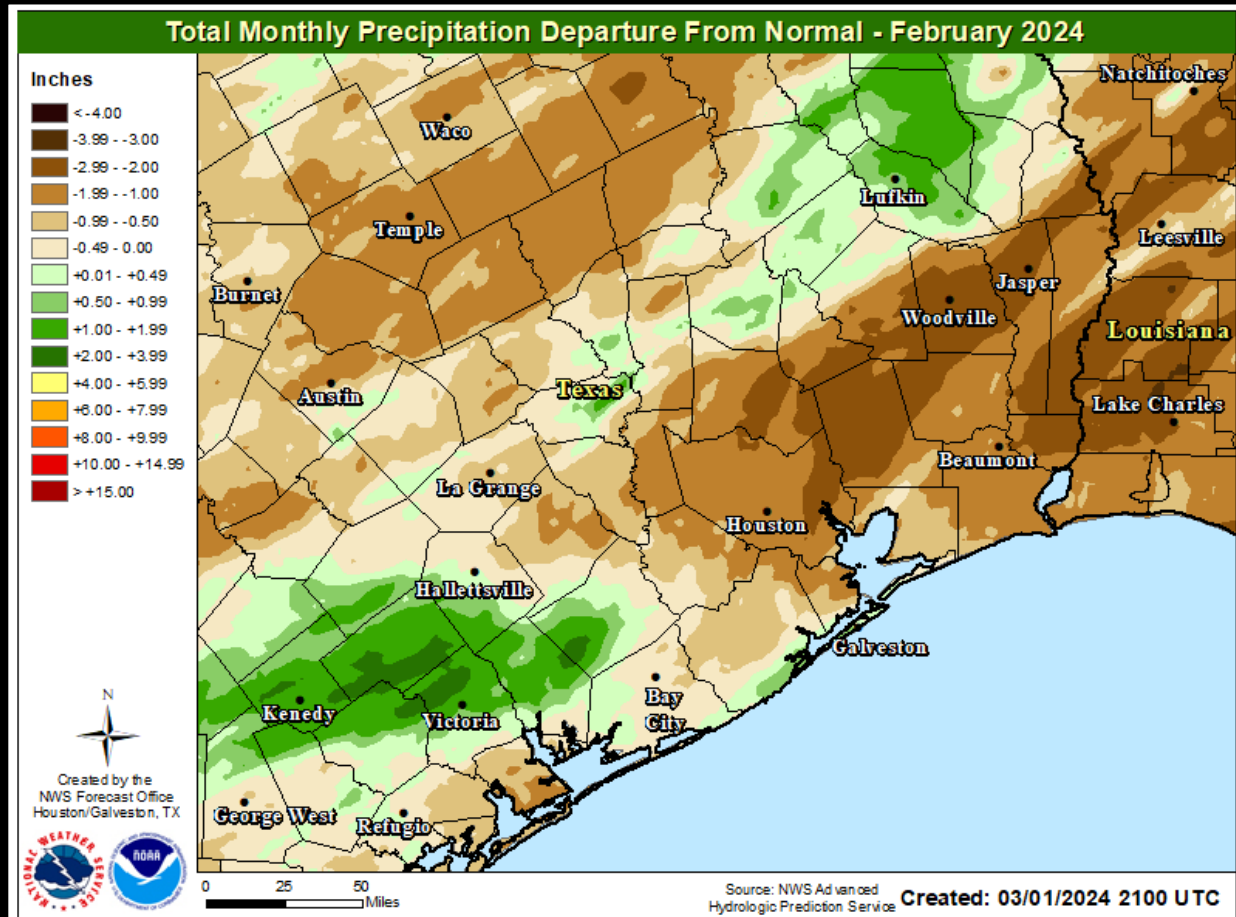
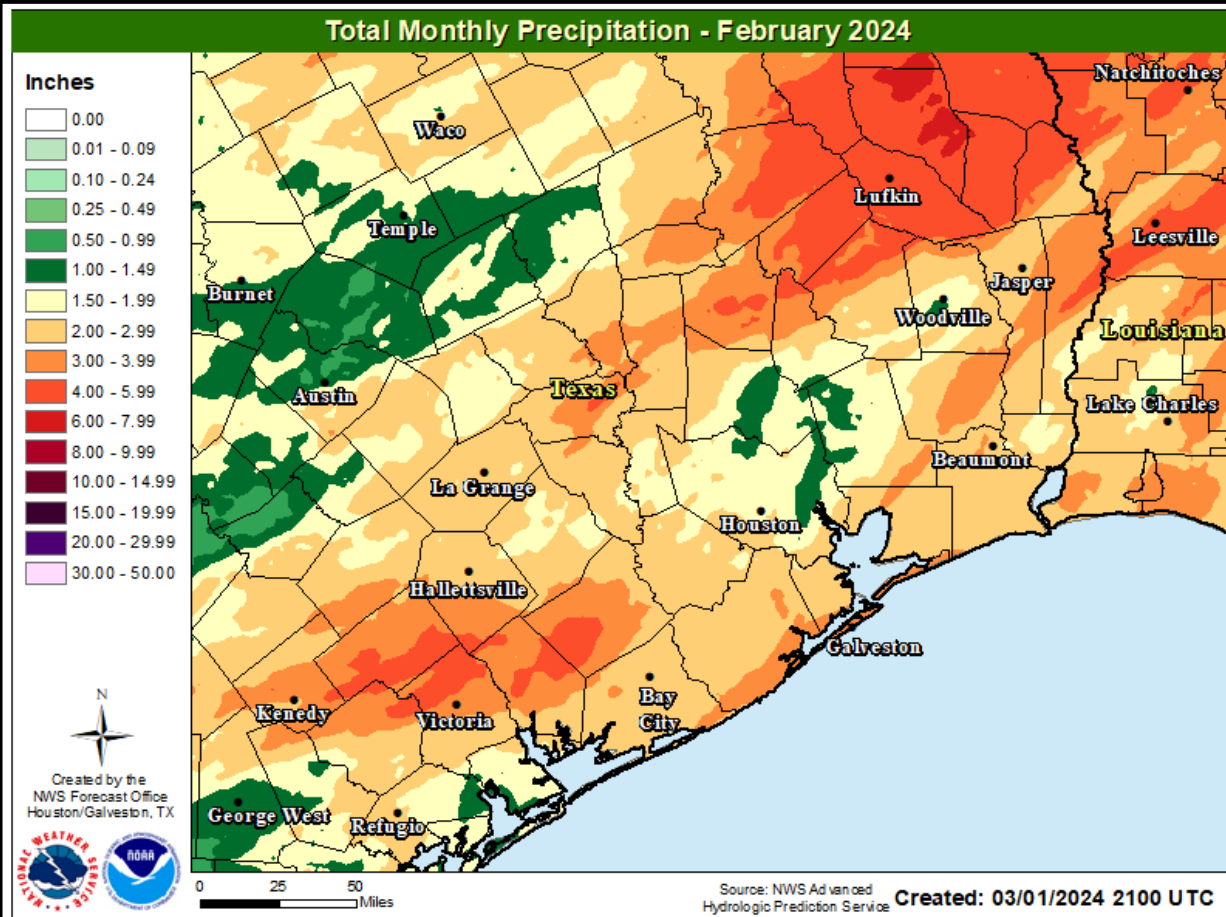
City of Galveston

City of College Station

Houston-Hobby

Palacios

Precipitation Maps

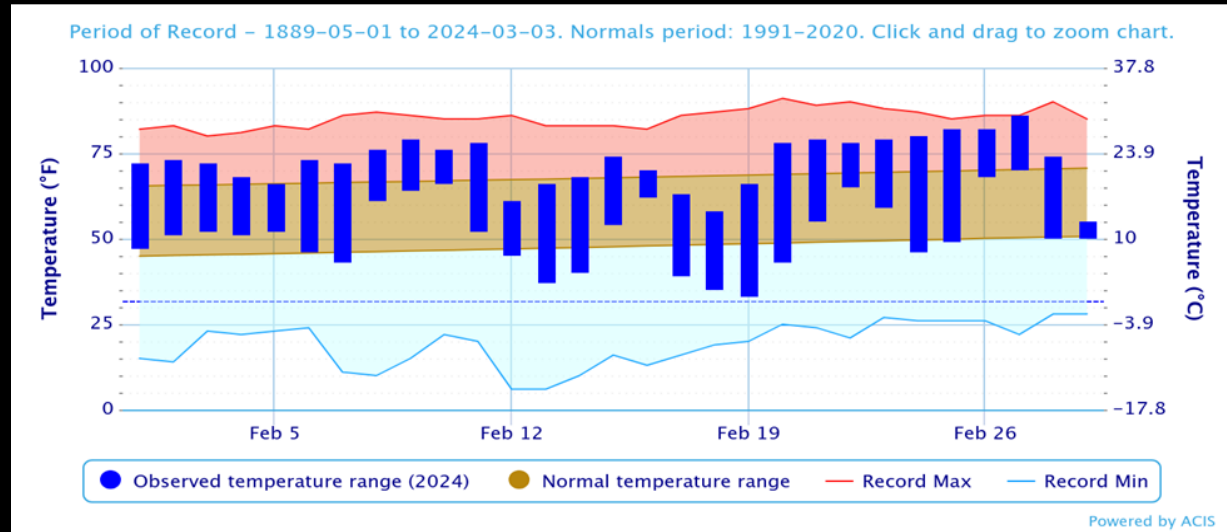


Temperature

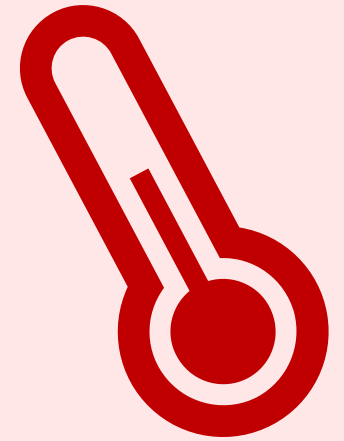
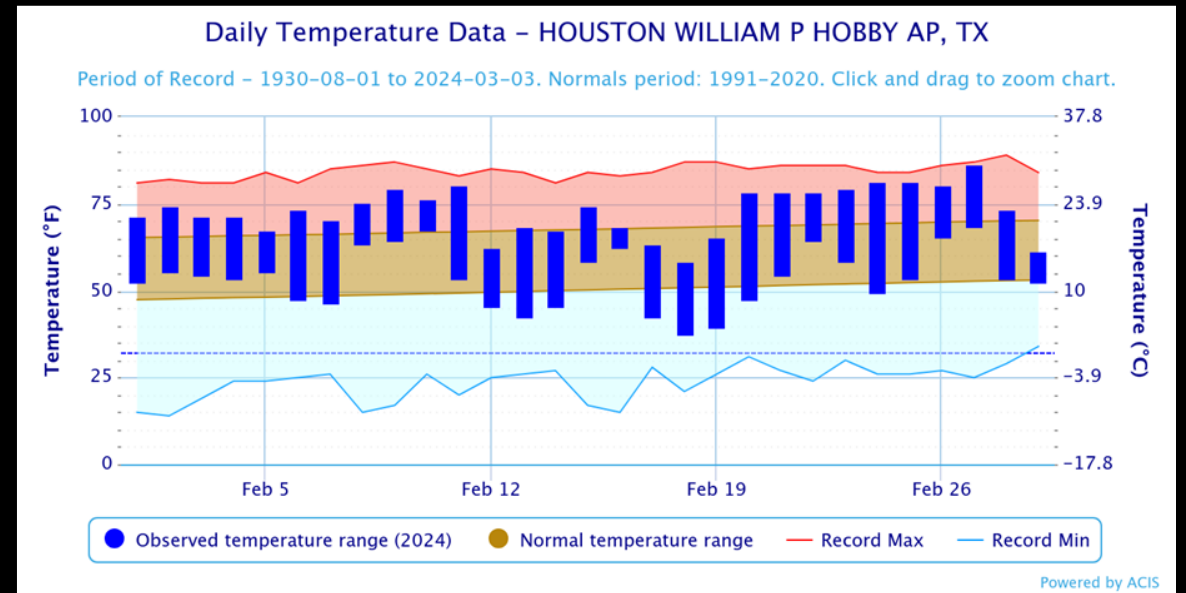
Location	Average High Temp (F)	Average Low Temp (F)	Average Temp (F)	Departure From Normal Average (F)	Maximum Temperature (F)	Minimum Temperature (F)
Galveston (GLS)	68.3	55.2	61.8	+2.5	77 on the 23 rd	41 on the 19 th
Houston Hobby (HOU)	72.7	53.2	62.9	+4.1	86 on the 27 th	37 on the 18 th
City of Houston (IAH)	72.6	51.2	61.9	+4.2	86 on the 27 th	33 on the 19 th
College Station (CLL)	70.5	49.4	60.0	+4.7	82 on the 25 th & 27 th	32 on the 18 th
Palacios (PSX)	69.4	52.7	61.0	+1.7	78 on the 11 th & 23 rd	36 on the 18 th & 19 th

Temperature Charts

City of Houston

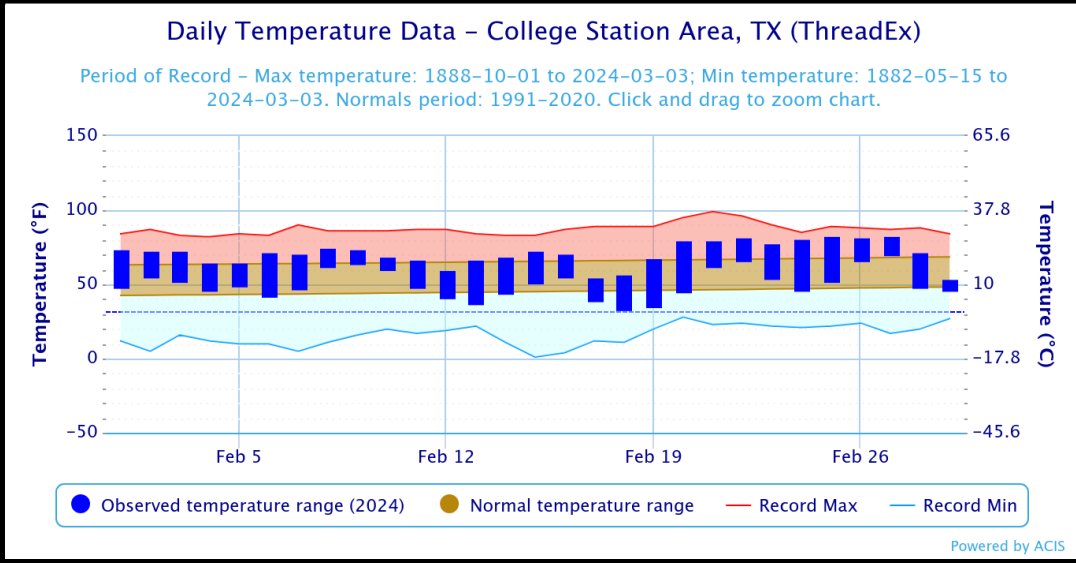


Houston-Hobby

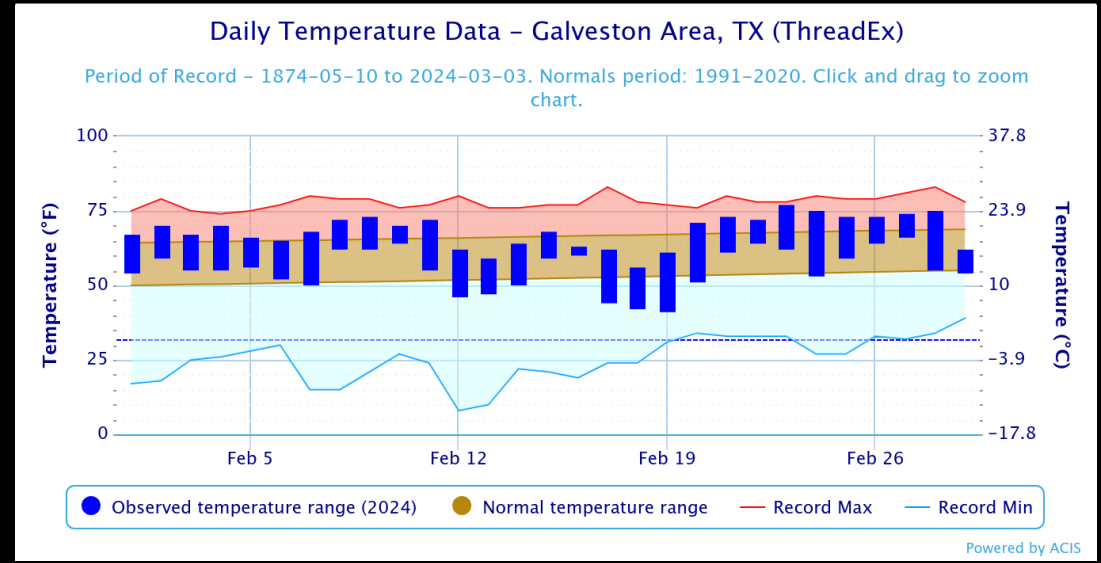


Temperature Charts

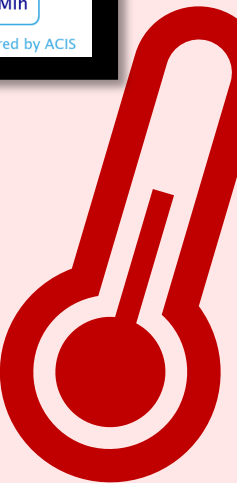
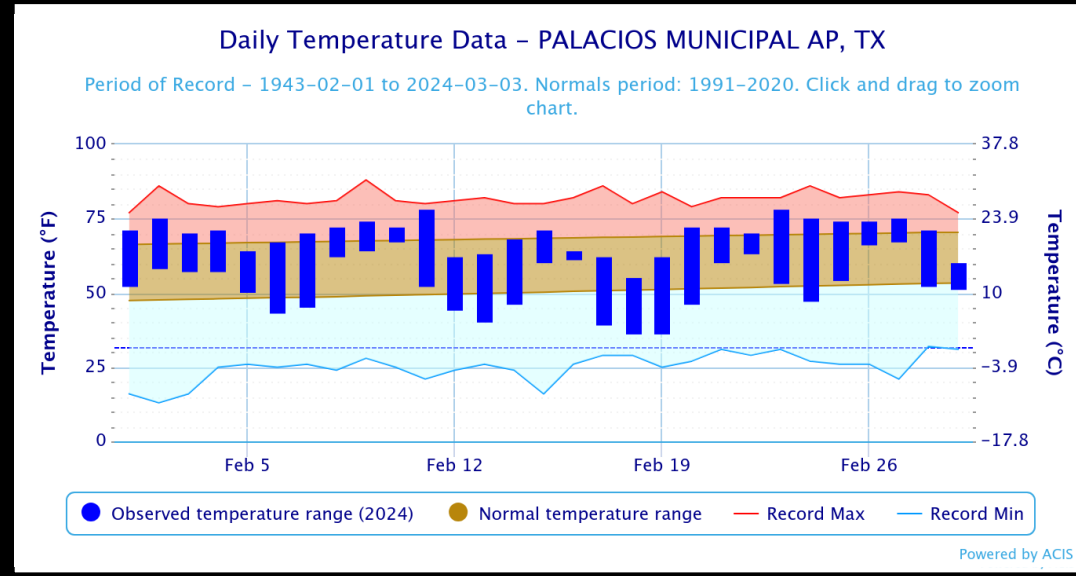
City of College Station



City of Galveston



Palacios



Daily Record Reports – City of College Station

Date	Record Type	New Record	Previous Record
17 th	High Minimum	69°F	67°F in 2017

There was 1 daily record set at College Station this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports – City of Houston

Date	Record Type	New Record	Previous Record
27 th	High Minimum	70°F	69°F in 2009
27 th	High Maximum	86°F	86°F in 1954

There were 2 daily records set at Houston this month.



Key

High Max

Low Max

Precip

Snow

High Min

Low Min

Daily Record Reports – Houston-Hobby

Date	Record Type	New Record	Previous Record
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There were no daily records set this month.

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



High Max

Low Max

Precip

Key

Snow

High Min

Low Min



Daily Record Reports – City of Galveston

Date	Record Type	New Record	Previous Record
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There were no daily records set this month.

There were no daily records set at Galveston this month.



Key

High Max

Low Max

Precip

Snow

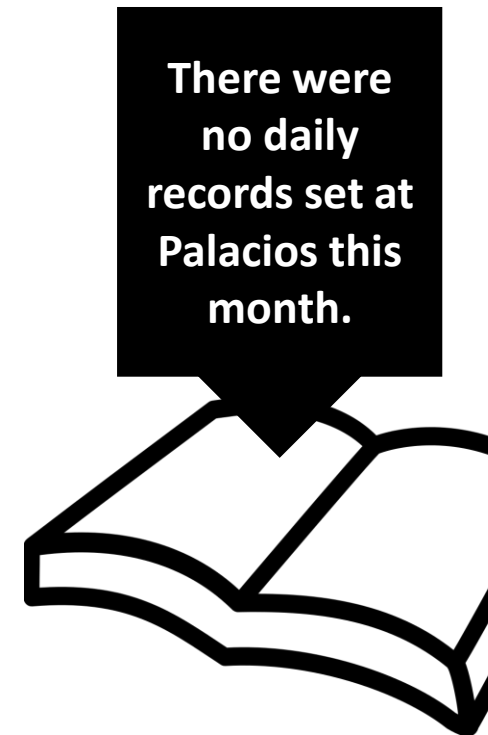
High Min

Low Min

Daily Record Reports – Palacios

Date	Record Type	New Record	Previous Record
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There were no daily records set this month.



High Max

Low Max

Precip

Key

Snow

High Min

Low Min

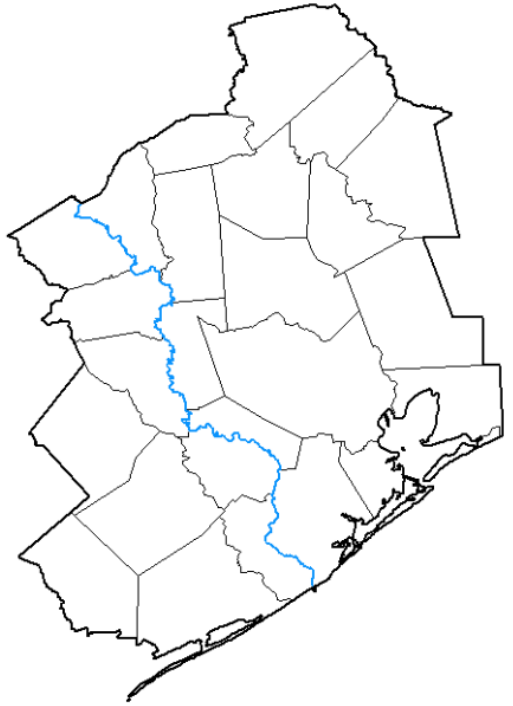


Drought Monitor

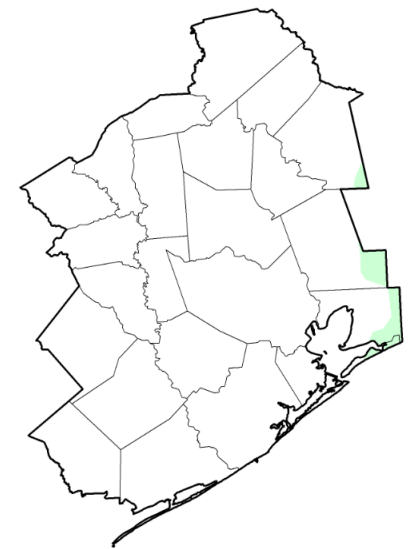
As of January 30th

U.S. Drought Monitor Houston/Galveston, TX WFO

via <https://droughtmonitor.unl.edu/>




U.S. Drought Monitor Class Change - Houston/Galveston, TX WFO 4 Week



February 27, 2024
compared to
January 30, 2024

droughtmonitor.unl.edu



NATIONAL DROUGHT MITIGATION CENTER
UNIVERSITY OF NEBRASKA

- 5 Class Degradation
- 4 Class Degradation
- 3 Class Degradation
- 2 Class Degradation
- 1 Class Degradation
- No Change
- 1 Class Improvement
- 2 Class Improvement
- 3 Class Improvement
- 4 Class Improvement
- 5 Class Improvement

Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

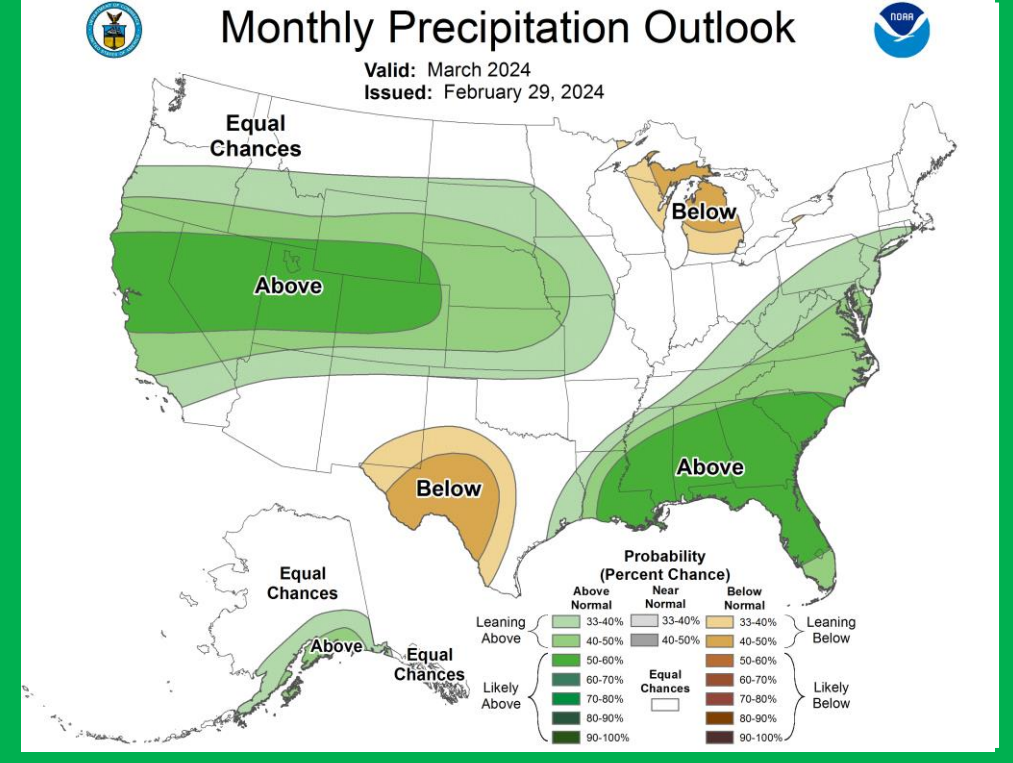
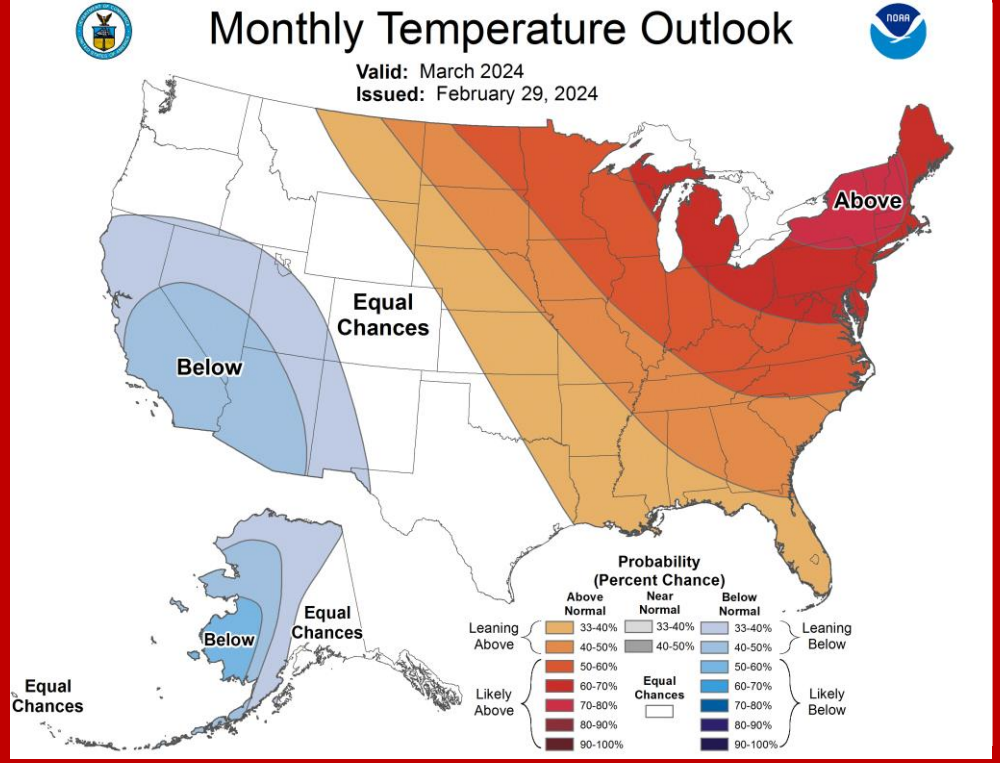
The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. For more information on the Drought Monitor, go to <https://droughtmonitor.unl.edu/About.aspx>



March Outlook

Location	Average Temp(°F)	Normal High (°F)	Normal Low (°F)
Galveston	65.2	72.0	58.4
Houston Hobby	64.7	73.4	55.9
City of Houston	63.8	74.0	53.6
College Station	62.1	72.5	51.7
Palacios	65.0	73.4	56.7

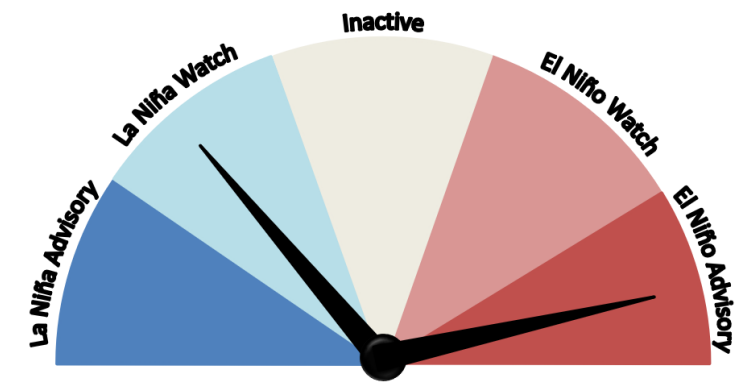
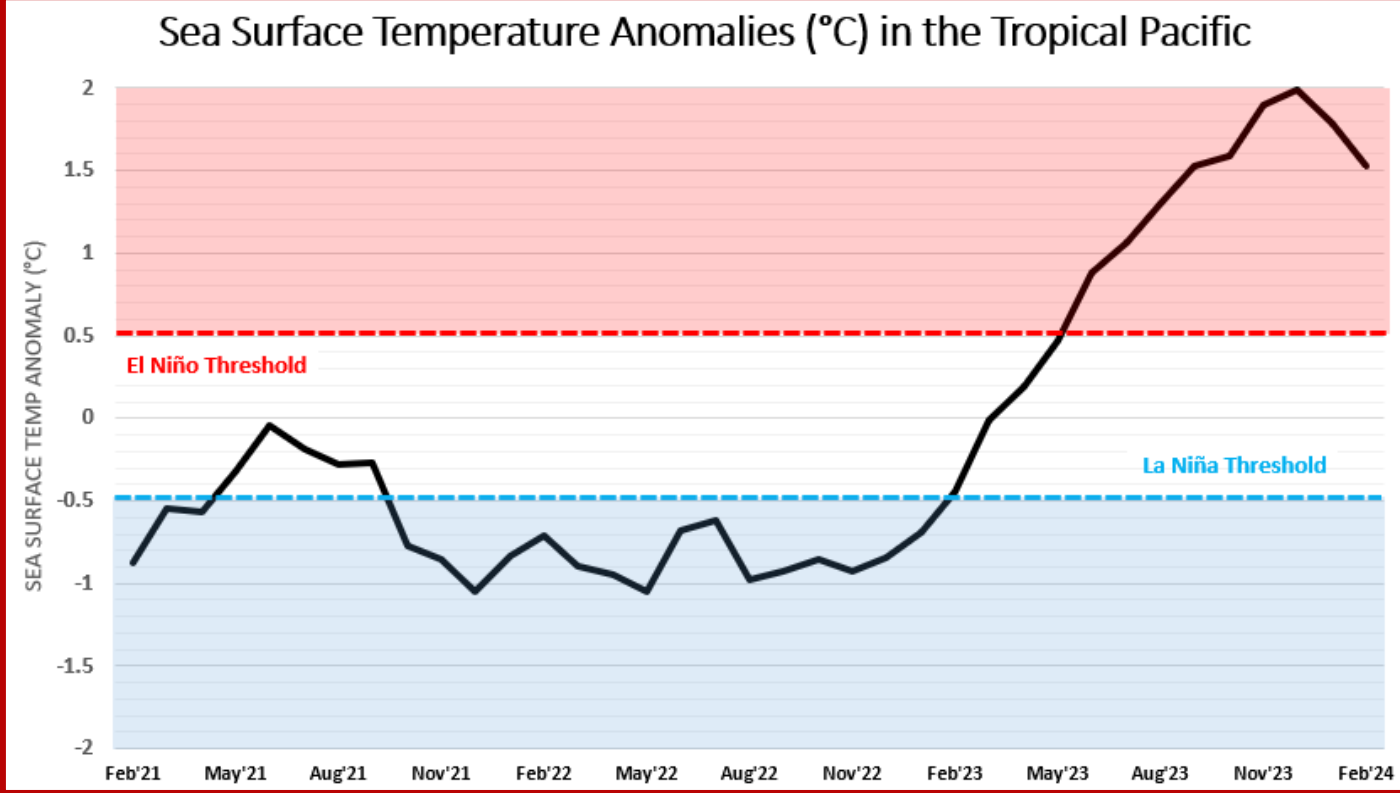
Location	Normal Monthly Precipitation (in.)
Galveston	3.02
Houston Hobby	3.28
City of Houston	3.47
College Station	3.41
Palacios	2.71



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 Watch: Issued when conditions are favorable for the development of El Niño or La Niña conditions within the next six months.

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.

